



## Explosion-proof Enclosure (Box)

防爆箱

## Explosion-proof Cable Gland

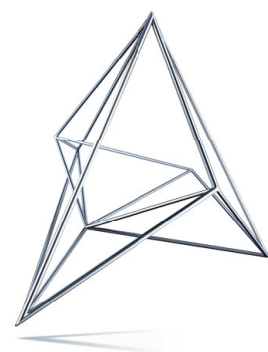
防爆电缆固定头

## Explosion-proof Exd Accessories

隔爆Ex元件

## Waterproof, Dustproof and Anti-corrosion Junction Box

防水防尘防腐箱



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倍仕得园区鸟瞰图  
Beisit factory Overview



产品合集  
Product Collection



做人，把人品做好。  
做企业，把产品做好。

董事长： 郑永乐



品牌解析

Brand Definition



"I" stands for "Integrity 诚信"

"I" stands for "International 国际"

"BEST": Best 最好

做诚信的国际企业，以更好的品质服务客户  
Functions as an international company of high integrity whose misson  
is to provide customer with finest products and services



倍：即多，广聚英才；加倍，业精于勤；倍增，高效发展  
pronounced as "bei", means "more", gathering more talents;mastery of work comes from more diligence; developing with high efficiency.  
仕：人才，德才兼备；仕途，个人和企业前景光明  
pronounced as "shi", means“talents”, a person with ability and integrity; Both enterprise and individual should have a bright future,  
indicating the idea of people-oriented.  
得：拥有，拥有更高价值  
pronounced as "de",means “possess”, to create and possess higher value.

广聚英才，共创美好未来  
Gather a large number of talents, and create a glorious future



检测中心  
Testing Center



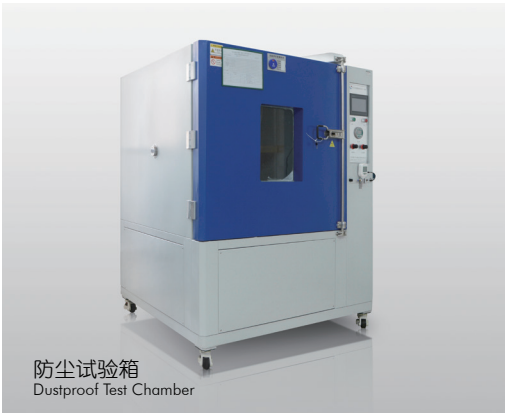
专业的检测设备  
Professional Testing Equipment



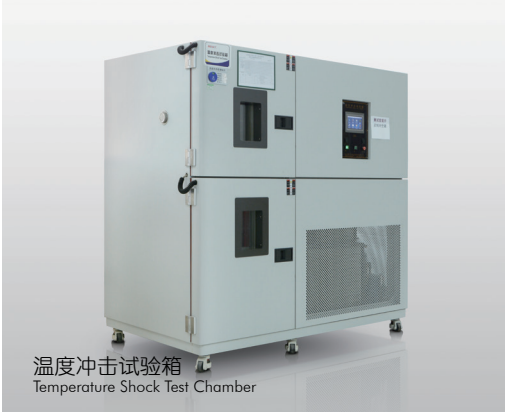
倍仕得产品检验遵循德国DIN、VDE标准和美国UL标准  
Product Tests follow German standard of DIN, VDE and American UL Standard.  
产品符合欧洲最新EN标准和ATEX标准  
Comply with Latest of EN and ATEX European standard.



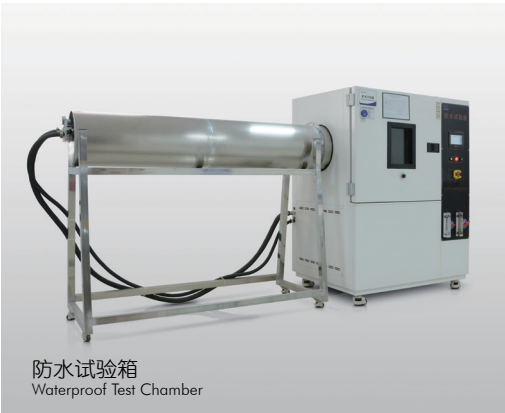
高低温交变湿热试验箱  
High and Low Temperature Alternating Humid Heat Test Chamber



防尘试验箱  
Dustproof Test Chamber



温度冲击试验箱  
Temperature Shock Test Chamber



防水试验箱  
Waterproof Test Chamber



万能材料试验机  
Universal material Test Machine



水平垂直燃烧测试仪  
Horizontal and Vertical Combustion Tester

紫外老化试验箱  
UV Aging Test Chamber

高温试验箱  
High Temperature Test Chamber

一体式马弗炉  
Integrated Muffle Furnace



企业认证  
Company Certifications

信息化系统  
Informatization System



**BEISIT**  
高效快捷的信息化系统  
Efficient and fast Informatization system.



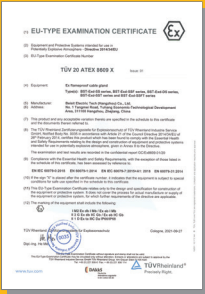


产品认证  
Product Certifications

产品测试  
Product Tests



IECEX



ATEX



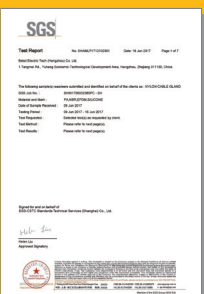
CE



CCC



CJEX



RoHS



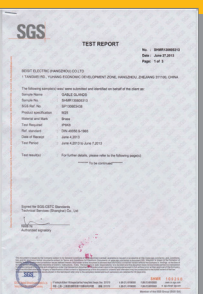
耐寒试验  
Cold resistance test



耐热试验  
Heat resistance test



拉力试验  
Tensile test



IP68





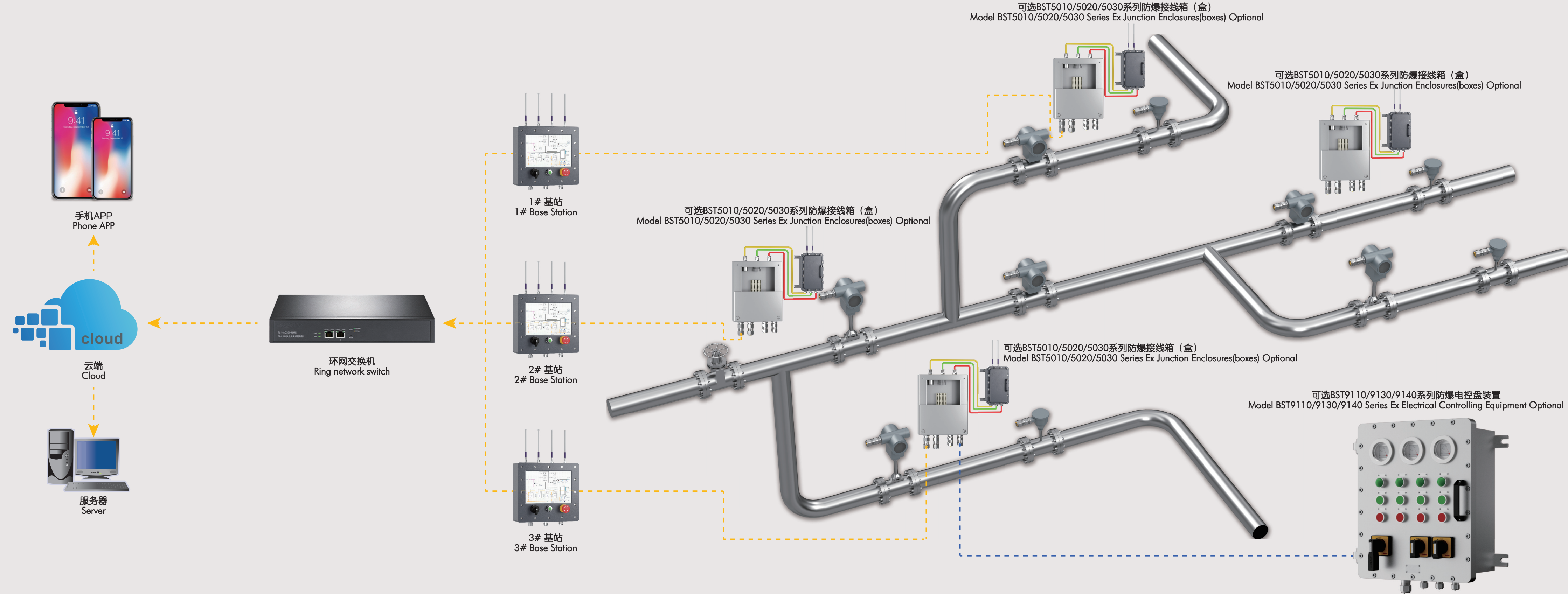


倍仕得使命：为全球工业提供最可靠的连接器产品  
Mission: To supply most reliable connectors for global industry.  
客户价值观：敬畏客户；为客户创造独特价值的决心不动摇  
Customer Value: Revere clients; Never waver in determination to create unique value for our clients.  
品质价值观：品质如命，只有一次；做出100%合格产品的决心不动摇  
Quality Value: Quality as life, only once. Never waver in determination to produce 100% qualified products.



连接世界 · 连接未来

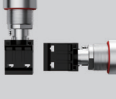
爆炸性环境——防爆接线箱智能安全监测系统架构  
Ex Environment -- Architecture of Intelligent Safety Monitoring System for Ex Junction Box







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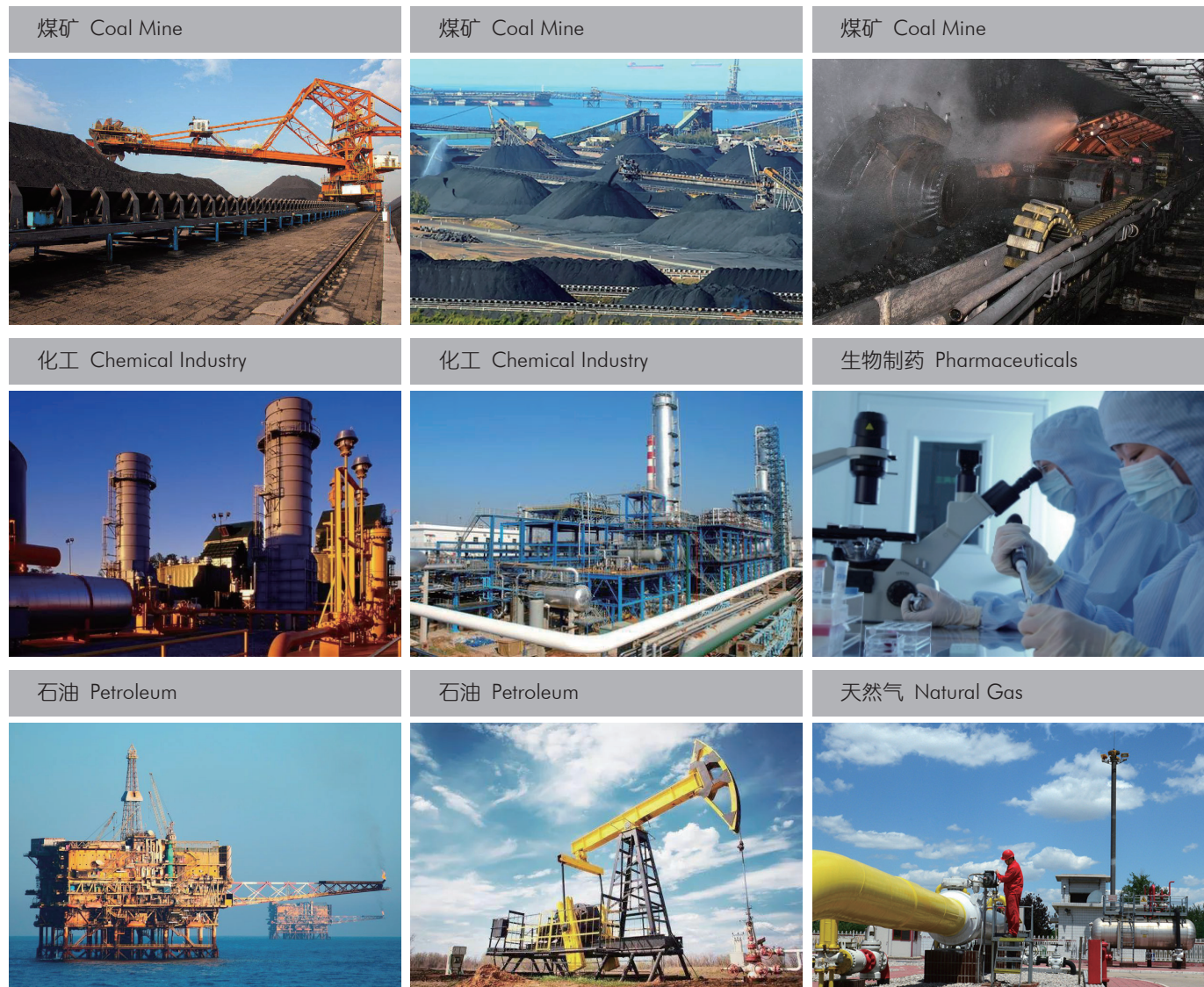


I 类

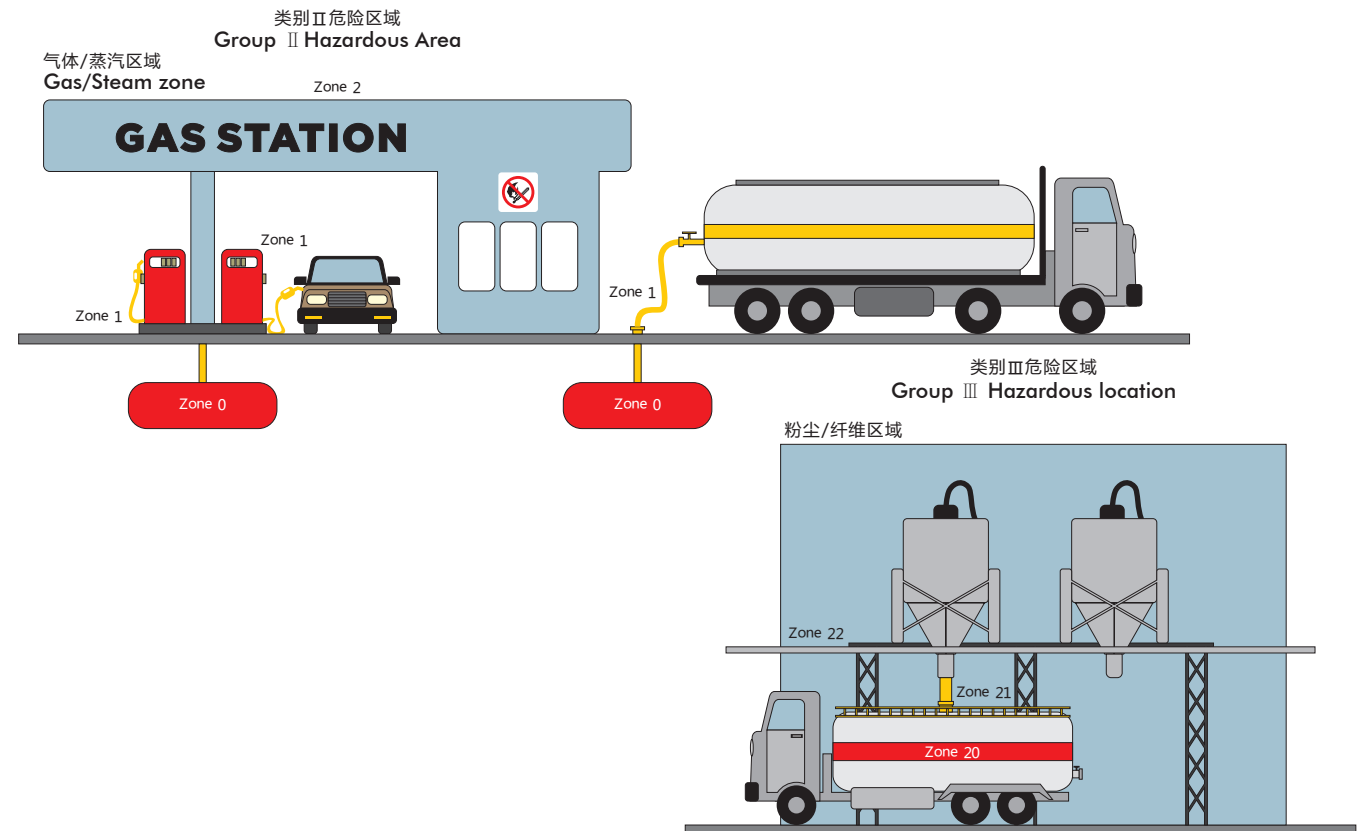
|                                            |                                                                                                |
|--------------------------------------------|------------------------------------------------------------------------------------------------|
| 矿用防爆领域<br>Explosion-proof Fields For Mines | 矿用防爆领域：煤矿、矿山具有瓦斯等爆炸性气体突出的场所。<br>Coal mines, mines where full of gas and other explosive gases. |
|--------------------------------------------|------------------------------------------------------------------------------------------------|

II 类

|                                              |                                                                                                                                                                                            |
|----------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 工厂用防爆领域<br>Explosion-proof Field For Factory | 工厂用防爆领域：除煤矿、矿山外的所有场所，如：石油、天然气、化工、轻纺、医药、军工等企业。<br>All places except coal mines and mines, such as petroleum, natural gas, chemical, textile, pharmaceutical, military and other industries. |
|----------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|



|                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                          |
|-----------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 产生爆炸的三大条件<br>Three Conditions for Explosion                                 | (1) 燃料; (2) 氧气; (3) 火源.<br>(1) Fuel (2) Oxygen (3) Fire Source                                                                                                                                                                                                                                                                                                                                           |
| 以上任意一个条件缺失，就不会产生爆炸。 Absence of above conditions,there will be no explosion. |                                                                                                                                                                                                                                                                                                                                                                                                          |
| 潜在爆炸环境<br>Potentially Explosive Atmospheres                                 | 潜在爆炸环境是指有可燃物和氧气的混合环境，氧气作为空气的一部分普遍存在于周围环境中。如果氧气含量低于可燃物所需的阈值，即氧气极限浓度，那么这样的混合物就不会被点燃。<br>Potentially explosive environment refers to a mixture of combustibles and oxygen, Oxygen is ubiquitous in the environment as a part of the air. If the oxygen content is below the threshold required for combustible combustion, known as the oxygen limit concentration, then such mixtures will not be ignited. |



|                                   |                |                                                                                                                                                                                                                                    |
|-----------------------------------|----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 危险性区域定义 Hazardous area definition |                |                                                                                                                                                                                                                                    |
| 气体<br>Gas                         | 0区<br>Zone 0   | 易燃易爆气体持续存在或长时间存在的区域（如每年超过1000小时）。<br>Areas where flammable and explosive gases persist or exist for a long time (such as more than 1,000 hours per year).                                                                          |
|                                   | 1区<br>Zone 1   | 易燃易爆气体在正常运行状态时存在的区域（如每年10-1000小时）。<br>Areas where flammable and explosive gases exist during normal operation (such as 10-1000 hours per year).                                                                                    |
|                                   | 2区<br>Zone 2   | 易燃易爆气体在正常运行状态时通常不存在，但如果有也仅存在短暂的时间（如每年少于10小时）。<br>Areas where flammable and explosive gases usually do not exist during normal operation, but if there are, they only exist for a short time (such as less than 10 hours per year). |
| 粉尘<br>Dust                        | 20区<br>Zone 20 | 爆炸性粉尘或可燃纤维与空气的混合物持续存在或长时间存在的区域。<br>Areas where explosive dust or a mixture of combustible fibers and air persists or exists for a long time.                                                                                       |
|                                   | 21区<br>Zone 21 | 爆炸性粉尘或可燃纤维与空气的混合物可能出现的区域。<br>Areas where explosive dust or a mixture of combustible fibers and air may occur.                                                                                                                      |
|                                   | 22区<br>Zone 22 | 爆炸性粉尘或可燃纤维与空气的结合物不可能出现，即使出现也是偶尔的或短时间的。<br>Areas where Explosive dust orcombustible fibers combined with airare unlikely to appear, and even if it appears, it is occasional or short-term.                                         |



电气设备再分类及其代表性物质  
Reclassification of Electrical Equipment and Its Representative Substances



| 工矿类别<br>Industrial and Mining Category | 气体类别及代表性物质<br>Gas Categories and Representative Substances |             | 粉尘类别及代表<br>Dust Category and Representative |                            |
|----------------------------------------|------------------------------------------------------------|-------------|---------------------------------------------|----------------------------|
| 矿井下<br>Underground                     | I                                                          | 甲烷 Methane  |                                             |                            |
|                                        | II A                                                       | 丙烷 Propane  | III A                                       | 可燃性飞絮 Combustible Flyings  |
|                                        | II B                                                       | 乙烯 Ethylene | III B                                       | 非导电性粉尘 Non-conductive Dust |
|                                        | II C                                                       | 氢气 Hydrogen | III C                                       | 导电性粉尘 Conductive Dust      |

设备防护  
Equipment protection

| 设备保护级别、保护特性和运行条件 Equipment protection level, protection characteristics and operating conditions |                       |                                                                                                                                      |                                                                                         |
|--------------------------------------------------------------------------------------------------|-----------------------|--------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|
| 设备类别<br>Equipment Category                                                                       | 设备保护级别<br>EPL         | 设备保护特性<br>Equipment Protection Features                                                                                              | 运行条件<br>Operating Conditions                                                            |
| I 类 煤矿<br>Group I Coal Mine                                                                      | Ma 很高<br>Ma Very high | 两个单独保护措施或即使两个故障彼此单独出现依然安全。<br>Two separate safeguards or even if two failures occur separately from each other, they are still safe. | 当出现爆炸性环境时设备依然运行。<br>The equipment is operated when an explosive environment is present. |
|                                                                                                  | Mb 高<br>Mb high       | 适合正常操作和严酷运行条件。<br>Suitable for normal operation and severe operating conditions.                                                     | 当出现爆炸性环境时设备断电。<br>When an explosive environment is present, the device is powered off.  |
| II 类 气体<br>Group II Gas                                                                          | Ga 很高<br>Ga Very high | 两个单独保护措施或即使两个故障彼此单独出现依然安全。<br>Two separate safeguards or even if two failures occur separately from each other, they are still safe. | 在0区、1区和2区设备依然运行。<br>Devices are still running in zone 0, zone 1, and zone 2.            |
|                                                                                                  | Gb 高<br>Gb High       | 适合正常运行和经常出现干扰或正常考虑故障的设备。<br>Suitable for normal operation and equipment that often interferes or normally considers faults.          | 在1区和2区设备依然运行。<br>The equipment is still running in Zone 1 and Zone 2.                   |
|                                                                                                  | Gc 一般<br>Gc General   | 适合正常运行。<br>Suitable for normal operation.                                                                                            | 在2区设备依然运行。<br>The equipment is still running in zone 2.                                 |
| III 类 粉尘<br>Group III Dust                                                                       | Da 很高<br>Da Very high | 两个单独保护措施或即使两个故障彼此单独出现依然安全。<br>Two separate safeguards or even if two failures occur separately from each other, they are still safe. | 在20区、21区和22区设备依然运行。<br>The equipment is still running in Zone 20, Zone 21 and Zone 22.  |
|                                                                                                  | Db 高<br>Db High       | 适合正常运行和经常出现干扰或正常考虑故障的设备。<br>Suitable for normal operation and equipment that often interferes or normally considers faults.          | 在21区和22区设备依然运行。<br>Equipment is still running in Zone 21 and Zone 22.                   |
|                                                                                                  | Dc 一般<br>Dc General   | 适合正常运行。<br>Suitable for normal operation.                                                                                            | 在22区设备依然运行。<br>The equipment is still running in zone 22.                               |

防护类型及标准  
Protection Type and Standard



| 设备类别<br>Equipment Category | EPL等级<br>EPL Level | 防护类型<br>Type of Protection         | 代码<br>Code | IEC标准<br>IEC Standard | GB标准<br>GB Standard | 适用区域<br>Applicable Area |
|----------------------------|--------------------|------------------------------------|------------|-----------------------|---------------------|-------------------------|
| I 类煤矿<br>Group I Coal Mine | Ma                 | 浇封型 Encapsulated (Ex m)            | ma         | IEC 60079-18          | GB 3836.9-2006      |                         |
|                            |                    | 本质安全型 Intrinsically Safe (Ex i)    | ia         | IEC 60079-11          | GB 3836.4-2010      |                         |
|                            | Mb                 | 浇封型 Encapsulated (Ex m)            | mb         | IEC 60079-18          | GB 3836.9-2006      |                         |
|                            |                    | 本质安全型 Intrinsically Safe (Ex i)    | ib         | IEC 60079-11          | GB 3836.4-2010      |                         |
|                            |                    | 隔爆型 Flameproof (Ex d)              | d          | IEC 60079-1           | GB 3836.2-2010      |                         |
|                            |                    | 增安型 Increased Safety (Ex e)        | e          | IEC 60079-7           | GB 3836.3-2010      |                         |
|                            |                    | 正压型 Pressurized (Ex p)             | px         | IEC 60079-2           | GB 3836.5-2004      |                         |
|                            |                    | 充砂型 Sand-Filled (Ex q)             | q          | IEC 60079-5           | GB 3836.7-2004      |                         |
| II 类气体<br>Group II Gas     | Ga                 | 浇封型 Encapsulated (Ex m)            | ma         | IEC 60079-18          | GB 3836.9-2006      | 0、1、2                   |
|                            |                    | 本质安全型 Intrinsically Safe (Ex i)    | ia         | IEC 60079-11          | GB 3836.4-2010      |                         |
|                            | Gb                 | 浇封型 Encapsulated (Ex m)            | mb         | IEC 60079-18          | GB 3836.9-2006      | 1、2                     |
|                            |                    | 本质安全型 Intrinsically Safe (Ex i)    | ib         | IEC 60079-11          | GB 3836.4-2010      |                         |
|                            |                    | 隔爆型 Flameproof (Ex d)              | d          | IEC 60079-1           | GB 3836.2-2010      |                         |
|                            |                    | 增安型 Increased Safety (Ex e)        | e          | IEC 60079-7           | GB 3836.3-2010      |                         |
|                            |                    | 油浸型 Oil-Immersion (Ex o)           | o          | IEC 60079-6           | GB 3836.6-2004      |                         |
|                            |                    | 正压型 Pressurized (Ex p)             | Px&py      | IEC 60079-2           | GB 3836.5-2004      |                         |
|                            | Gc                 | 充砂型 Sand-Filled (Ex q)             | q          | IEC 60079-5           | GB 3836.7-2004      |                         |
|                            |                    | 浇封型 Encapsulated (Ex m)            | mc         | IEC 60079-18          | GB 3836.9-2006      | 2                       |
|                            |                    | 本质安全型 Intrinsically Safe (Ex i)    | ic         | IEC 60079-11          | GB 3836.4-2010      |                         |
|                            |                    | 增安型 Increased Safety (Ex e)        | e          | IEC 60079-7           | GB 3836.3-2010      |                         |
|                            |                    | 无火花型 Non-Sparking (Ex nA)          | nA         | IEC 60079-15          | GB 3836.8-2003      |                         |
|                            |                    | 有火花型 Spark-Containing              | nC         | IEC 60079-15          | GB 3836.8-2003      |                         |
|                            |                    | 限制呼吸型 Restricted Breathing (Ex nR) | nR         | IEC 60079-15          | GB 3836.8-2003      |                         |
|                            |                    | 限制能量型 Energy-Limited               | nL         | IEC 60079-15          | GB 3836.8-2003      |                         |
| III 类粉尘<br>Group III Dust  | Da                 | 正压型 Pressurized (Ex p)             | pz         | IEC 60079-2           | GB 3836.5-2004      | 20、21、22                |
|                            |                    | 浇封型 Encapsulated (Ex m)            | ma         | IEC 60079-18          | GB 12476.6-2010     |                         |
|                            |                    | 本质安全型 Intrinsically Safe (Ex i)    | ia         | IEC 60079-11          | GB 12476.4-2010     |                         |
|                            | Db                 | 外壳保护型 Enclosure Protection (Ex t)  | ta         | IEC 60079-31          | IEC 61241-1         | 21、22                   |
|                            |                    | 浇封型 Encapsulated (Ex m)            | mb         | IEC 60079-18          | GB 12476.6-2010     |                         |
|                            |                    | 本质安全型 Intrinsically Safe (Ex i)    | ib         | IEC 60079-11          | GB 12476.4-2010     |                         |
|                            |                    | 外壳保护型 Enclosure Protection (Ex t)  | tb         | IEC 60079-31          | IEC 61241-1         |                         |
|                            | Dc                 | 正压型 Pressurized (Ex p)             | p          | IEC 61241-4           | GB 12476.7-2010     | 22                      |
|                            |                    | 浇封型 Encapsulated (Ex m)            | mc         | IEC 60079-18          | GB 12476.6-2010     |                         |
|                            |                    | 本质安全型 Intrinsically Safe (Ex i)    | ic         | IEC 60079-11          | GB 12476.4-2010     |                         |
|                            |                    | 外壳保护型 Enclosure Protection (Ex t)  | tc         | IEC 60079-31          | IEC 61241-1         |                         |
|                            |                    | 正压型 Pressurized (Ex p)             | p          | IEC 61241-4           | GB 12476.7-2010     |                         |

注：根据我国国情，部分增安型“e”仅适用于2区，详见GB 3836.15-2000。  
Note: According to Chinese national conditions, some increased safety types "e" are only applicable to Zone 2. For details, see GB 3836.15-2000.





| IP防护等级（第一位数字表示对应防尘等级） |                     |                                               |
|-----------------------|---------------------|-----------------------------------------------|
| 数字                    | 防护范围                | 说明                                            |
| 0                     | 无防护                 | 对外界的人或物无特殊的防护                                 |
| 1                     | 防止直径大于50mm的固体外物侵入   | 防止人体（如手掌）因意外而接触到电器内部的零件，防止较大尺寸（直径大于50mm）的外物侵入 |
| 2                     | 防止直径大于12.5mm的固体外物侵入 | 防止人的手指接触到电器内部的零件，防止中等尺寸（直径大于12.5mm）的外物侵入      |
| 3                     | 防止直径大于2.5mm的固体外物侵入  | 防止直径或厚度大于2.5mm的工具、电线及类似的小型外物侵入而接触到电器内部的零件     |
| 4                     | 防止直径大于1.0mm的固体外物侵入  | 防止直径或厚度大于1.0mm的工具、电线及类似的小型外物侵入而接触到电器内部的零件     |
| 5                     | 防止外物及灰尘             | 完全防止外物侵入，虽不能完全防止灰尘侵入，但灰尘的侵入量不会影响电器的正常运作       |
| 6                     | 防止外物及灰尘             | 防止外物及灰尘                                       |

| IP防护等级（第二位数表示对应防水等级） |                       |                                                                                                                     |
|----------------------|-----------------------|---------------------------------------------------------------------------------------------------------------------|
| 数字                   | 防护范围                  | 说明                                                                                                                  |
| 0                    | 无防护                   | 对水或湿气无特殊的防护                                                                                                         |
| 1                    | 防止水滴浸入                | 垂直落下的水滴（如凝结水）不会对电器造成损坏                                                                                              |
| 2                    | 倾斜15度时，仍可防止水滴浸入       | 当电器由垂直倾斜至15度时，滴水不会对电器造成损坏                                                                                           |
| 3                    | 防止喷洒的水浸入              | 防雨或防止与垂直的夹角小于60度的方向所喷洒的水侵入电器而造成损坏                                                                                   |
| 4                    | 防止飞溅的水浸入              | 防止各个方向飞溅而来的水侵入电器而造成损坏                                                                                               |
| 5                    | 防止各个方向飞溅而来的水侵入电器而造成损坏 | 防止来自各个方向由喷嘴射出的水侵入电器而造成损坏                                                                                            |
| 6                    | 防止大浪浸入                | 装设于甲板上的电器，可防止因大浪的侵袭而造成的损坏                                                                                           |
| 7                    | 防止浸水时水的浸入             | 电器浸在水中一定时间或水压在一定的标准以下，可确保不因浸水而造成损坏                                                                                  |
| 8                    | 防止沉没时水的浸入             | 电器无限期沉没在指定的水压下，可确保不因浸水而造成损坏                                                                                         |
| 9K                   | /                     | 能够承受EN60529和DIN 4050-9中定义的热蒸汽冲刷测试，能够提供水压在100bar，温度80℃的防护。压力直接应用咋感应器上，以30度的角度递进（0.30.60.90）在每个角度持续三十秒，共120秒，能够防止水进入。 |



IP防护指南 IP Protection Classification

International Protection, EN 60529



Product Material Abbreviations

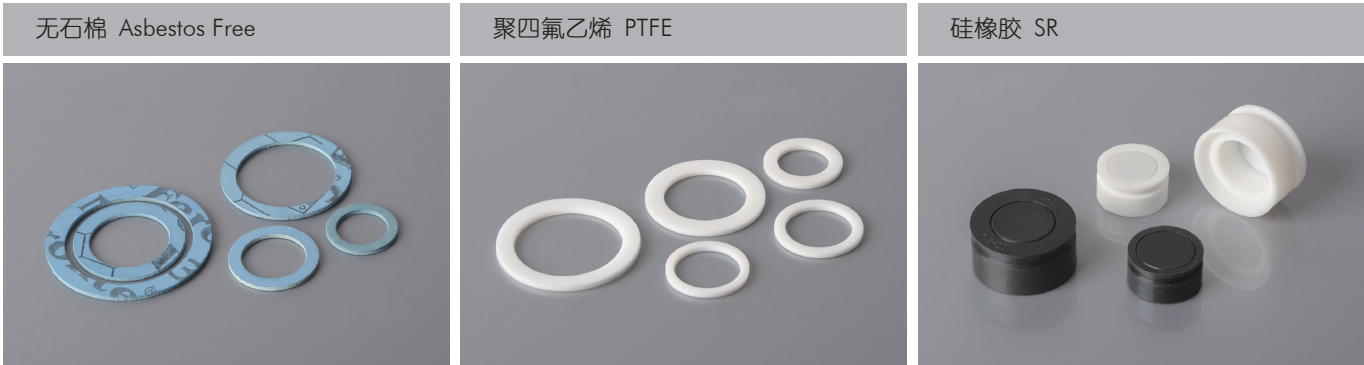
|     |                     |      |                       |
|-----|---------------------|------|-----------------------|
| CR  | Chloroprene rubber  | PP   | Polypropylene         |
| FPM | Fluorelastomer      | PVC  | Polyvinylchloride     |
| Ms  | Nickel plated brass | PVDF | Polyvinylidenfluoride |
| NBR | Buna-N              | SB   | Styrene Butadiene     |
| PA  | Polyamide           | VMQ  | Silicone              |
| PE  | Polyethylene        |      |                       |



密封材料的选用  
Selection of Sealing Materials



| 名称牌号<br>Name                                                | 材料特性<br>Properties of Materials                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 应用<br>Application                                                                                                                                                                                                                                             |
|-------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 硅橡胶<br>Silicone                                             | <div>1.高温性能：在200℃以上的高温环境下，硅橡胶仍能保持一定的柔韧性、回弹性和表面硬度，且力学性能无明显变化。</div> <div>2.低温性能：硅橡胶的玻璃化温度为-70~-50℃，特殊配方可达到-100℃。</div> <div>3.电气性能：硅橡胶具有优异的绝缘性能，耐电晕性和耐电弧性好。</div> <div>4.物理机械性能：硅橡胶常温下的物理机械性能比通用橡胶差，但在150℃的高温 and -50℃的低温下，其物理机械性能优于通用橡胶。</div> <div>5.耐油及化学试剂性;普通硅橡胶具有中等的耐油、耐溶剂性能。</div> <div>1. High temperature: above 200 ℃ high temperature environment, silicone rubber can still maintain a certain degree of flexibility, elasticity and hardness, and no significant changes in mechanical properties.</div> <div>2. Low temperature: silicone rubber glass transition temperature -70~-50 ℃, special formulations could reach -100 degrees centigrade.</div> <div>3. Electrical performance: silicone rubber has excellent insulating properties, Corona resistance and good arc resistance.</div> <div>4. Physical and mechanical properties: mechanical properties of silicone rubber is not as good as common rubber at normal temperature. But it's much better than common rubber at 150 ℃ high temperature and the low temperature of -50℃.</div> <div>5. Oil and chemical resistance: ordinary silicone is with moderate oil resistance and solvent resistance.</div> | <div>硅橡胶密封件在极限温度及压力下，有良好的适用性。</div> <div>Excellent high and low temperature properties. Fair physical properties.</div>                                                                                                                                       |
| 无石棉<br>Asbestos Free                                        | <div>具有高的拉伸强度，低的吸油性，同时具有良好的压缩性及回弹性，耐热性优良。</div> <div>It has high tensile strength, low oil absorption, good compressibility and resilience, and excellent heat resistance.</div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <div>用于蒸汽、酸、碱、油类溶剂等介质，广泛用于化工、轻工、炼油、机械、汽车、煤气、天然气等行业。</div> <div>Used for steam, acid, alkali, oil solvent and other media, widely used in chemical industry, light industry, oil refining, machinery, automobile, gas, natural gas and other industries.</div> |
| PTFE<br>聚四氟乙烯                                               | <div>优异的耐高低温性能，很好的电绝缘性能、耐候性、阻燃性良好，化学性能稳定。</div> <div>Excellent high and low temperature resistance, good electrical insulation, weather resistance, good flame retardancy, stable chemical properties.</div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <div>用于化工、石油、纺织、电子电气、医疗、机械等领域。</div> <div>Used in chemical, petroleum, textile, electronic and electrical, medical, machinery and other fields.</div>                                                                                                         |
| 倍仕得特殊定制弹性体<br>The Special Customize Rubber Parts of Beisit. | <div>1.具有优异的绝缘性能，耐电晕性和耐电弧性良好。</div> <div>2.具有良好的的耐油、耐溶剂性能。</div> <div>1. Excellent insulation properties, good corona resistance, and arc resistance.</div> <div>2. Good oil and solvent resistance.</div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <div>本产品多用于防爆等项目领域。</div> <div>Application for Explosion Proof, etc.</div>                                                                                                                                                                                    |



各种材料特性与表面处理  
Properties and Surface Treatment for Various Materials



| 名称牌号<br>Name           | 材料特性<br>Properties of Materials                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 应用<br>Application                                                                                                                                                                                                                                                                             |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 尼龙<br>Nylon            | <div>碳纤维增强尼龙6符合材料具有优良的尺寸稳定性及优异的机械强度。能满足静电消散和静电放电防护的要求。材料经特殊配制，适用于从0到10欧姆的表面电阻范围，可用于注塑及挤出等成型。导电尼龙6有很多超越金属优点：零件质轻、强度高、耐腐蚀、耐磨、耐高温等特点。</div> <div>Carbon fiber reinforced nylon 6 conforms to the material with excellent dimensional stability and excellent mechanical strength. It can meet the requirements of electrostatic dissipation and electrostatic discharge protection. The material is specially formulated, suitable for the surface resistance range from 0 to 10 ohms, and can be used for injection molding and extrusion molding. Conductive nylon 6 has many advantages over metal: light parts, high strength, corrosion resistance, wear resistance, high temperature resistance and other characteristics.</div> | <div>广泛应用于机械、仪器仪表、电子、电器、铁路、家电、通讯、等电器工程。</div> <div>Widely used in machinery, instrumentation, electronic appliances, railways, home appliances, communications, and other electrical engineering.</div>                                                                                       |
| 黄铜<br>Brass            | <div>HPb59-1是应用较广的铅黄铜，可切削性好，有良好的力学性能，能承受冷、热压力加工，易纤焊和焊接，对一般腐蚀有良好的稳定性，但有腐蚀破裂倾向。</div> <div>HPb59-1 is a widely used lead brass with good machinability and good mechanical properties. It can withstand cold and hot pressure processing, it's easy to be wired and welded, and has good stability to general corrosion, but it has corrosion cracking tendency.</div>                                                                                                                                                                                                                                                                                                                                                                | <div>适于以热冲压和切削加工制作得各种结构零件。如螺钉、垫圈、衬套、螺帽、喷嘴等。</div> <div>It is suitable for various structural parts such as screws, washers, bushings, nuts, nozzles, etc. produced by hot stamping and cutting processing.</div>                                                                              |
| 不锈钢<br>Stainless Steel | <div>在黄铜中加1%锡能显著改善铜的抗海水和海洋大气腐蚀的能力，因此称为海军黄铜；锡黄铜在海水中有着高的耐腐蚀性，有良好的力学性能，可切削性好，易焊接和纤焊。</div> <div>Adding 1% tin in brass can significantly improve the ability of copper to resist the corrosion of seawater and ocean atmosphere, so it is called navy brass; tin brass has high corrosion resistance in seawater, has good mechanical properties, and can be cut Good performance, easy to be welded and fiber welded.</div>                                                                                                                                                                                                                                                                                                           | <div>在造船工业中广泛应用于制造与海水、汽油等接触的零件（表面无需电镀处理）。</div> <div>In the shipbuilding industry, it is widely used to manufacture the parts which contact with sea water, gasoline, etc. (the surface do not need to be nickel-plated).</div>                                                               |
|                        | <div>作为一种用途广泛的钢，具有良好的耐蚀性、耐热性，低温强度和机械特性；冲压、弯曲等热加工性好，无热处理硬化现象（无磁性，使用温度-196℃-800℃）。</div> <div>As a widely used steel, it has good corrosion resistance, heat resistance, low temperature strength and mechanical properties; good hot workability such as stamping and bending, no heat treatment hardening phenomenon (non-magnetic, use temperature -196 C -800 C ).</div>                                                                                                                                                                                                                                                                                                                                                          | <div>广泛应用于食品生产设备、汽车配件、医疗器具、建材、船舶部件等。</div> <div>Widely used in food production equipment, auto parts, medical appliances, building materials, ship parts, etc.</div>                                                                                                                          |
|                        | <div>因添加钼，故其耐蚀性、耐大气腐蚀性和高温强度特别好，可在苛刻的条件下适用；加工硬化性优（无磁性）。</div> <div>Due to the addition of molybdenum, its corrosion resistance, atmospheric corrosion resistance and high temperature strength are particularly good, and it can be applied under harsh conditions; excellent work hardening (non-magnetic).</div>                                                                                                                                                                                                                                                                                                                                                                                                                   | <div>广泛应用于海水里用的设备、化工、染料、造纸、草酸、肥料等生产设备；食品工业、沿海地区设施、绳索、螺栓、螺母等。</div> <div>Widely used in the equipment which used in sea water, chemical industry, dyes, papermaking, oxalic acid, fertilizer and other production equipment; food industry, coastal facilities, ropes, bolts, nuts, etc.</div> |
|                        | <div>作为316钢种的低碳系列，除与316 钢有相同的特性外，其抗晶界腐蚀性优。</div> <div>As a low-carbon series of 316 steel, besides the same characteristics as 316 steel, it has excellent grain boundary corrosion resistance.</div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <div>对抗晶界腐蚀性有特别要求的产品。</div> <div>Products with special requirements for anti-grain boundary corrosion.</div>                                                                                                                                                                                  |

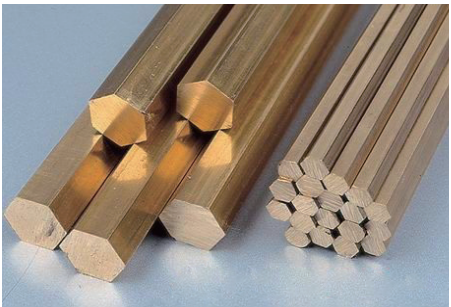
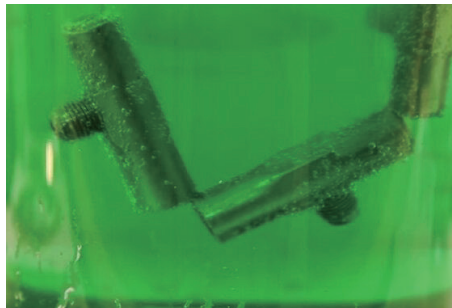


表面处理--黄铜镀镍说明 Surface Treatment - notes for Nickel Plated Brass

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>1.电镀是利用电源能将镍阳离子转换成金属镍沉积到阳极上；黄铜镀镍是利用化学还原的方法，将镍阳离子还原成金属镍并沉积在基体（黄铜）表面上，赋予制品特殊的表面性能。</p> <p>例如：赋予制品多种色彩、较强的耐腐蚀性/耐磨性，镀层结晶细致、平滑光亮、内应力小，导电性能极佳。</p> <p>1. The electroplating is a process that uses electric current to transform Nickel cation into metal nickel deposition on the anode; Nickel-plated brass is a process that uses chemical reduction to reduce Nickel cations into metal nickel deposition on the surface of the substrate (brass), giving the special surface properties to the products. For example: giving products a variety of colors, strong corrosion resistance/wear resistance, exquisite crystallization on coating , smooth and bright, small internal stress and good electroconductivity.</p> |
| <p>2.化学电镀是采用金属盐和还原剂，在材料表面上发生自催化反应获得镀层；黄铜镀镍是利用还原剂在活化零件（黄铜）表面上自催化还原沉积得到镀层。化学镀镍制品的主要特点是：镀层厚度均匀，致密性好、镀层附着力强、深度能力强、抗腐蚀能力好。</p> <p>2. The electroless plating is a process that uses metal-salt and reducing agent to produce autocatalytic reaction on the material surface in order to obtain coating; Nickel-plated brass is a process that uses reducing agent to produce autocatalytic reduction deposition on activation parts (brass) surface in order to obtain coating. The main Properties of electroless nickel plated products are: well-distributed coating thickness, good compactness, coating adhesion, and plating depth capability, good corrosion resistance.</p>                                              |

倍仕得可以为您提供两种镀镍形式 Beisit Can Provide You With Two Kinds of Nickel Plating Methods

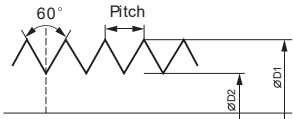
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                      |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|
| 1.电镀 1. Electroplating                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 2.化学镀镍 2. Electroless Nickel Plating |
| <p>备注：化学镀镍仿真能力强，能在复杂零件表面沉积，深度能力强，镀层厚度比电镀厚，镀层烧氢后无起皮、镍泡等缺陷，同时由于化学镀镍速度较慢，对未镀产品表面处理要求较高，成本相对电镀较高。</p> <p>Note: Electroless nickel plating is much stronger by comparison. It bonds with the surface of complex parts, with strong depth capability, thicker coating than electroplating, no defects on the coating such as peeling, or nickel bubbling after the hydrogen burning. However, due to the slow speed, electroless nickel plating requires a better surface treatment of unplated products. So its cost is relatively higher than electroplating.</p> |                                      |

|                                                                                     |                                                                                     |                                                                                      |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| 不锈钢 Stainless Steel                                                                 | 黄铜 Brass                                                                            | 电镀 Electroplating                                                                    |
|  |  |  |
| 化学镀镍 Electroless Plating                                                            |  |                                                                                      |

| 类型 Type                                              | 胶泥—（固态）Type 1(Solid)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | AB树脂 （液态）AB Resin(Liquid)                                                                                                                                                                                                                                                                                                                                                                                 |
|------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 颜色 Color                                             | A组份： 天空蓝色； Component A: sky blue;<br>B组份： 晚霞红色。 ComponentB: sunset red.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | A组份： 淡黄色； Component A: yellowish;<br>B组份： 墨绿色。 ComponentB: dark green.                                                                                                                                                                                                                                                                                                                                    |
| 化学类型 Chemical type                                   | 环氧树脂、固化剂 Epoxy resin, curing agent                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 丙烯酸、固化剂 Acrylic, curing agent                                                                                                                                                                                                                                                                                                                                                                             |
| 性能参数 Performance parameters                          | (1)氧指数≥45<br>(2)滞燃性≤60mm<br>(3) 水密性：（0.098MPa保持1h） 不渗水<br>(4) 密度：（20℃） 1.50-1.8g/cm²<br>(5) 耐人造海水性： 在人造海水中浸泡一个月无异常<br>(6) 耐酸性： 在10%HCL溶液中浸泡一个月无异常<br>(7) 耐腐蚀性： 在10%NaOH溶液中浸泡一个月无异常<br>(8) 耐油性： 在20#机油或0#柴油中浸泡一个月无异常<br>(9) 对铜、铝、钢、不锈钢的腐蚀 无<br>(10) 对塑料电缆护套的影响 无<br>(11) 对橡胶塑料电缆护套的影响 无<br>(1)Oxygen index≥45<br>(2)Flame retardancy ≤60mm<br>(3)Water tightness: (0.098MPa for 1h) impermeable<br>(4)Density: (20℃) 1.50-1.8g/cm²<br>(5)Artificial seawaterResistance: no abnormality after soaking for one month<br>(6)Acid resistance: no abnormality after soaking in 10%HCL solution for one month<br>(7)Corrosion resistance: no abnormality after soaking in 10% NaOH solution for one month<br>(8)Oil resistance: no abnormality after soaking in 20# engine oil or 0# diesel oil for one month<br>(9)Corrosion of copper, aluminum, steel and stainless steel: none<br>(10)Impact on plastic cable sheath: none<br>(11)Impact on rubber plastic cable sheath: none | (1)密度：（20℃） 1.0-1.1g/cm²<br>(2)耐湿热老化性能： 双85湿热老化30天无异常<br>(3)耐冷热交替循环性能：<br>80℃2H～20℃1H-40℃2H～20℃1H循环后无异常<br>(1)Density: (20℃) 1.0-1.1g/cm²<br>(2)Hygrothermal aging resistance:<br>Double 85 hygrothermal aging for 30 days without abnormality<br>(3)Cold and hot cycle resistance:<br>80℃2H～20℃1H-40℃2H～20℃1H, no abnormality after cycle                                                                |
| 操作方法 Operation                                       | (1)混合比例： 将AB两组份化合物以重量1:1均匀揉至成胶泥本色，即可使用。<br>(2)操作时间： 揉和好的填料必须在30分钟内使用完毕，以防硬固。<br>(3)固化时间： 室温20℃ 2-3小时。<br>(1)Mixing ratio: Compound A and B at a weight of 1:1, the putty is only properly mixed when the two parts are hand moulded into an “natural color”<br>(2)Operating time: The mixed putty must be used within 30 minutes in case hardening.<br>(3)Curing time: 2-3 hours at 20 C at room temperature                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | (1)混合比例： 将AB两组份化合物以重量1:1混合搅拌至胶泥本色，即可使用。<br>(2)操作时间： 揉和好的填料必须在7分钟内使用完毕，以防硬固。<br>(3)固化时间： 室温25℃ 2-3小时。<br>(1)Mixing ratio: Compound A and B at a weight of 1:1, the compound is only properly mixed when the two parts are stirred into an “natural color”.<br>(2)Operating time: The kneaded filler must be used within 7 minutes to prevent hardening.<br>(3)Curing time: room temperature 25 C 2-3 hours |
| 凝固后的机械性性能 Mechanical properties after solidification | 剪切应力： ≤400Mpa Shear stress: ≤400Mpa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 剪切应力： ≥23 Mpa Shear stress: ≥23 Mpa                                                                                                                                                                                                                                                                                                                                                                       |
| 连续操作温度（COT） Continuous operation temperature (COT)   | -70℃～160℃                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | -65℃～180℃                                                                                                                                                                                                                                                                                                                                                                                                 |
| 材料特性 Properties of Materials                         | AB型防爆电缆密封胶泥是一种高科技的密封材料，它具有防爆、绝缘、阻燃、水密和 耐压的多重特性。<br>AB type explosion-proof cable mastic materials is a high-tech sealing material, which has multiple characteristics of explosion-proof, insulation, flame-retardant, watertight and pressure resistance.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                           |
| 应用领域 Application                                     | 广泛应用于一切水面船舶、战斗舰艇、电力部门、高层建筑、石油化工及防爆配电箱（柜）等其他场合的密封作用，同时也可以广泛用于金属、塑料管的密封和地下建筑、电缆贯穿部分的密封、防水、阻烟。<br>It is widely used in sealing of all surface ships, combat vessels, power departments, high-rise buildings, petrochemical industry and explosion-proof distribution boxes (cabinets) and other occasions. It can also be widely used in sealing of metal and plastic pipes and sealing, waterproofing and smoke blocking of underground buildings and cable penetration parts.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                           |

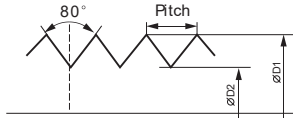


M型公制螺纹标准（适用于全球大部分地区） Metric ISO Thread Specifications



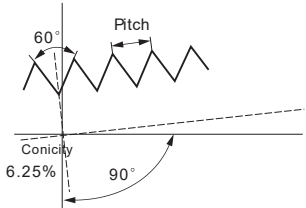
| Size<br>螺纹规格 | Pitch<br>mm<br>牙距 | Outside(ØD1)<br>mm<br>螺纹外径 | Inside(ØD2)<br>mm<br>螺纹内径 | Thru-hole<br>mm<br>开口尺寸 |
|--------------|-------------------|----------------------------|---------------------------|-------------------------|
| M 12 x 1,5   | 1,5               | 12                         | 10,13                     | 12,2                    |
| M 16 x 1,5   | 1,5               | 16                         | 14,13                     | 16,2                    |
| M 20 x 1,5   | 1,5               | 20                         | 18,13                     | 20,2                    |
| M 25 x 1,5   | 1,5               | 25                         | 23,13                     | 25,2                    |
| M 32 x 1,5   | 1,5               | 32                         | 30,13                     | 32,3                    |
| M 40 x 1,5   | 1,5               | 40                         | 38,13                     | 40,3                    |
| M 50 x 1,5   | 1,5               | 50                         | 48,13                     | 50,4                    |
| M 63 x 1,5   | 1,5               | 63                         | 61,13                     | 63,4                    |
| M 75 x 2     | 2                 | 75                         | 71,8                      | 75,5                    |

PG螺纹标准（主要适用于欧洲区域） PG Thread Specifications



| Size<br>螺纹规格 | Pitch<br>mm<br>牙距 | Outside(ØD1)<br>mm<br>螺纹外径 | Inside(ØD2)<br>mm<br>螺纹内径 | Thru-hole<br>mm<br>开口尺寸 |
|--------------|-------------------|----------------------------|---------------------------|-------------------------|
| PG 7         | 1,270             | 12,5                       | 11,28                     | 12,7                    |
| PG 9         | 1,410             | 15,2                       | 13,86                     | 15,4                    |
| PG 11        | 1,410             | 18,6                       | 17,26                     | 18,8                    |
| PG 13,5      | 1,410             | 20,4                       | 19,06                     | 20,6                    |
| PG 16        | 1,410             | 22,5                       | 21,16                     | 22,7                    |
| PG 21        | 1,588             | 28,3                       | 26,78                     | 28,5                    |
| PG 29        | 1,588             | 37,0                       | 35,48                     | 37,3                    |
| PG 36        | 1,588             | 47,0                       | 45,48                     | 47,3                    |
| PG 42        | 1,588             | 54,0                       | 52,48                     | 54,4                    |
| PG 48        | 1,588             | 59,3                       | 57,78                     | 59,7                    |

NPT标准螺纹（主要适用于北美地区） NPT Thread Specifications



| Size<br>螺纹规格 | Pitch<br>mm<br>牙距 | Outside(ØD1)<br>mm<br>螺纹外径 | Pitch Number<br>n<br>牙间距数量 | Thru-hole<br>mm<br>开口尺寸 |
|--------------|-------------------|----------------------------|----------------------------|-------------------------|
| 1/4" NPT     | 1,411             | 13,716                     | 18                         | 13.9                    |
| 3/8" NPT     | 1,411             | 17,145                     | 18                         | 17.3                    |
| 1/2" NPT     | 1,814             | 21,336                     | 14                         | 21.5                    |
| 3/4" NPT     | 1,814             | 26,67                      | 14                         | 26.9                    |
| 1" NPT       | 2,208             | 33,4                       | 11 1/2                     | 33.7                    |
| 1 1/4" NPT   | 2,208             | 42,164                     | 11 1/2                     | 42.5                    |
| 1 1/2" NPT   | 2,208             | 48,26                      | 11 1/2                     | 48.6                    |
| 2" NPT       | 2,208             | 60,325                     | 11 1/2                     | 60.7                    |
| 2 1/2" NPT   | 3,175             | 73,025                     | 8                          | 73.4                    |
| 3" NPT       | 3,175             | 88,9                       | 8                          | 89.3                    |
| 3 1/2" NPT   | 3,175             | 101,6                      | 8                          | 102.0                   |

覆盖层破坏类型的分类 Classification of the Types of Overlay Damage

| 评级 Grading | 描述 Description                                                                                                                                                                |
|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| A          | 覆盖层损坏所致的斑点的颜色变化(与明显的基体金属腐蚀产物的颜色不同)<br>The color change of spots resulting from damage to the coating layer (distinct from the color of visible base metal corrosion products) |
| B          | 很难看得见，甚至看不见的覆盖层腐蚀所致的发暗 Subtle darkening caused by barely visible or even imperceptible coating layer corrosion                                                                |
| C          | 阳极性覆盖层的腐蚀产物 Corrosion products of anodic coatings                                                                                                                             |
| D          | 阴极性覆盖层的腐蚀产物 Corrosion products of cathodic coatings                                                                                                                           |
| E          | 表面点蚀(腐蚀坑可能未扩展到基体金属) Surface pitting (corrosion pits may not extend to the base metal)                                                                                         |
| F          | 碎落，起皮，剥落 laking, peeling, delamination                                                                                                                                        |
| G          | 鼓泡 Blistering                                                                                                                                                                 |
| H          | 开裂 Cracking                                                                                                                                                                   |
| I          | 龟裂 Crazing                                                                                                                                                                    |
| J          | 鸡爪状或星状缺陷 Crow's foot or star-shaped defects                                                                                                                                   |

油漆涂层腐蚀程度对照表 Corrosion Degree Comparison Table of Paint Coatings

| 评级 Grading | 简述 Brief Description          | 判定标准 Evaluation Criteria                                                                                                                                                                                                                    |
|------------|-------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 一级 Grade 1 | 轻微变色 Slight Discoloration     | 漆膜无气泡，生锈、脱落、点蚀、裂纹等现象<br>Coating free from blistering, rusting, flaking/peeling, pitting, or cracking                                                                                                                                        |
| 二级 Grade 2 | 明显变色 Noticeable Discoloration | 漆膜表面起微泡面积小于50%局部小泡面积在4%以下;中泡面积在1%以下;<br>锈点直径在0.5mm 以下;漆膜无脱落<br>Micro-blistering covering <50% surface area.Localized small blisters <4% area.<br>Medium blisters <1% area.Rust spots with diameter <0.5mm.Coating free from flaking/peeling |
| 三级 Grade 3 | 严重变色 Severe Discoloration     | 漆膜表面起微泡面积超过50%;小泡面积在5%以上;出现大泡锈点面积在2%以上;<br>漆膜出现脱落现象<br>Micro-blistering >50% surface area.Small blisters >5% area.<br>Large blisters and/or rust spots >2% area.Presence of flaking/peeling                                                 |

连续雾化时间表 Continuous Atomization Time Schedule

| NO. | 材质 Material         | 表面处理方式 Surface Treatment Method               | 连续雾化时间 Continuous Atomization Time |
|-----|---------------------|-----------------------------------------------|------------------------------------|
| 1   | 铜 Copper            | 镀镍 Nickel Plating                             | 12h                                |
|     |                     | 镀锡 Tin Plating                                | 8h                                 |
|     |                     | 先镀镍再镀锡 Nickel Plating First, Then Tin Plating | 24h                                |
|     |                     | 镀金 Gold Plating                               | 24h                                |
| 2   | 冷轧钢板 SPCC           | 喷粉末涂料 Spray Powder Coating                    | 96h                                |
|     |                     | 喷油漆 Spray Paint                               | 48h                                |
| 3   | 不锈钢 Stainless Steel | 304                                           | 72h                                |
|     |                     | 316                                           | 120h                               |
|     |                     | 316L                                          | 168h                               |





增安型防爆箱  
Ex e Explosion-proof Box



增安型防爆箱（盒）性能表  
Performance Table of Ex e Explosion-proof Box

| → BST5010/20/30E系列 Series                        |                                                                                                              |                                                                                                              |                                                                                                                             | IEC Exd | CCC | RoHS | REACH |
|--------------------------------------------------|--------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|---------|-----|------|-------|
| 产品系列<br>Product Series                           | <br>BST5010E<br>系列 Series | <br>BST5020E<br>系列 Series | <br>BST5030E<br>系列 Series                |         |     |      |       |
| 材质<br>Material                                   | 铸铝<br>Cast Aluminium(ADC12)                                                                                  | 玻璃纤维增强聚酯<br>Glass Fiber Reinforced Polyester                                                                 | 不锈钢<br>Stainless Steel (304/316/316L)                                                                                       |         |     |      |       |
| 密封条<br>Sealing Strip                             | 硅胶<br>Silicone Rubber                                                                                        | 硅胶<br>Silicone Rubber                                                                                        | 硅胶<br>Silicone Rubber/PU                                                                                                    |         |     |      |       |
| 表面处理<br>Surface Treatment                        | 喷塑<br>Spraying Plastics                                                                                      | /                                                                                                            | 抛光/拉丝<br>Polishing/Brushing                                                                                                 |         |     |      |       |
| 环境<br>Working Environment                        | 室内、室外、石油化工<br>Indoor, Outdoor, Petrochemical Industry                                                        | 室内、室外、石油化工、海洋工程<br>Indoor, Outdoor, Petrochemical Industry, Ocean Engineering                                | 室内、室外、石油化工、海洋工程、食品、低温/高温<br>Indoor, Outdoor, Petrochemical Industry, Ocean Engineering, Food Industry, High/Low Temperature |         |     |      |       |
| 优势<br>Advantages                                 | 免维护、重量轻、强度高<br>Maintenance-Free, Light-Weight, High Strength                                                 | 免维护、重量轻、绝缘性好<br>Maintenance-Free, Light-Weight, Excellent Eletrical Insulation                               | 免维护、强度高、耐低温、耐高温<br>Maintenance-Free, High Strength Low Temperature Resistant, High Temperature Resistant                    |         |     |      |       |
| 防化学腐蚀<br>Degree of Chemical Corrosion Resistance | 好 Good                                                                                                       | 很好 Excellent                                                                                                 | 很好 Excellent                                                                                                                |         |     |      |       |
| 防海水腐蚀<br>Degree of Seawater Corrosion Resistance | 好 Good                                                                                                       | 很好 Excellent                                                                                                 | 很好 Excellent                                                                                                                |         |     |      |       |
| 防紫外线<br>Degree of UV-Proof                       | 很好 Excellent                                                                                                 | 好 Good                                                                                                       | 很好 Excellent                                                                                                                |         |     |      |       |
| 特点 Specifications                                |                                                                                                              |                                                                                                              |                                                                                                                             |         |     |      |       |
| 最低工作温度<br>Min Operating Temperature              |  -55℃                   |  -55℃                   |  -55℃                                  |         |     |      |       |
| 最高工作温度<br>Max Operating Temperature              |  130℃                   |  130℃                   |  130℃                                  |         |     |      |       |
| 抗冲击力<br>Impact Resistant                         | 7J                                                                                                           | 7J                                                                                                           | 10J                                                                                                                         |         |     |      |       |
| IP防护等级<br>IP Rating                              | IP66                                                                                                         | IP66                                                                                                         | IP66                                                                                                                        |         |     |      |       |
| 尺寸 Dimensions                                    |                                                                                                              |                                                                                                              |                                                                                                                             |         |     |      |       |
| 长x宽x高（最小）<br>H*W*D(min) mm                       | 64*58*36mm                                                                                                   | 80*75*55mm                                                                                                   | 100*100*60mm                                                                                                                |         |     |      |       |
| 长x宽x高（最大）<br>H*W*D(max) mm                       | 600*310*110mm                                                                                                | 810*400*210mm                                                                                                | 1200*1200*400mm                                                                                                             |         |     |      |       |



防爆空箱（盒）选型指南  
Selection Guide for Explosion-proof Empty Box



|                                |  |                                                                                     |  |                                                                                     |  |                                                                                     |  |                                                                                     |  |                                                                                     |  |
|--------------------------------|--|-------------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------------|--|
| → BST50系列 Series               |  |  |  |  |  |  |  |  |  |  |  |
| 产品系列<br>Product Series         |  |    |  |    |  |  |  |                                                                                     |  |                                                                                     |  |
|                                |  | BST5010E<br>系列 Series                                                               |  | BST5020E<br>系列 Series                                                               |  | BST5030E<br>系列 Series                                                               |  |                                                                                     |  |                                                                                     |  |
| 材质<br>Material                 |  | 铸铝<br>Cast Aluminium(ADC12)                                                         |  | 玻璃纤维增强聚酯<br>Glass Fiber Reinforced Polyester                                        |  |                                                                                     |  | 不锈钢<br>Stainless Steel (304/316/316L)                                               |  |                                                                                     |  |
| 密封材质<br>Sealing Material       |  | 硅胶<br>Silicone Rubber                                                               |  | 硅胶<br>Silicone Rubber                                                               |  |                                                                                     |  | PU<br>点胶硅胶<br>平板硅胶<br>Dispensing Silicone Rubber<br>Normal Silicone Rubber          |  |                                                                                     |  |
| 认证类别<br>Certification Category |  | IECEX<br>CCC<br>防爆合格证<br>Explosion-proof Certificate                                |  |                                                                                     |  |                                                                                     |  |                                                                                     |  |                                                                                     |  |
| 防爆标志<br>Ex-Mark                |  | Ex eb II C Gb<br>Ex tb III C Db                                                     |  |                                                                                     |  |                                                                                     |  |                                                                                     |  |                                                                                     |  |
| 防护等级<br>IP Rating              |  | IP66                                                                                |  |                                                                                     |  |                                                                                     |  |                                                                                     |  |                                                                                     |  |
| 温度范围<br>Temperature Range      |  | 工作温度:<br>-55℃~+130℃                                                                 |  | 工作温度:<br>-55℃~+130℃                                                                 |  |                                                                                     |  | 工作温度:<br>-55℃~+130℃<br>(Silicone Rubber)<br>-35℃~+80℃(PU)                           |  |                                                                                     |  |
| 箱体编号<br>Box Number             |  | 1#~29#                                                                              |  | 1#~21#                                                                              |  |                                                                                     |  | 1#~17#                                                                              |  |                                                                                     |  |
| 详细页码<br>Page Number            |  | P17-P19                                                                             |  | P20-P22                                                                             |  |                                                                                     |  | P23-P25                                                                             |  |                                                                                     |  |

| 型号含义 Model Meaning                                                                                          |                                       |                                     |                                                                                                                                                 |                                                       |                                                                                                                 |                                        |
|-------------------------------------------------------------------------------------------------------------|---------------------------------------|-------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|----------------------------------------|
| BST                                                                                                         | □                                     | □                                   | □                                                                                                                                               | □                                                     | □                                                                                                               | □                                      |
| ▼                                                                                                           | ▼                                     | ▼                                   | ▼                                                                                                                                               | ▼                                                     | ▼                                                                                                               | ▼                                      |
| 倍仕得<br>BEISIT                                                                                               | 名称 Name<br>5: 接线箱 (盒)<br>Junction Box | 属性 Attributes<br>0: 空箱<br>Empty Box | 材质 Material<br>10: 铸铝<br>Cast Aluminium(ADC12)<br>20: 玻璃纤维增强聚酯<br>Glass Fiber Reinforced Polyester<br>30: 不锈钢<br>Stainless Steel (304、316、316L) | 箱体尺寸代码<br>Box Size Code<br>01#<br>02#<br>03#<br>..... | 结构形式 Structure Form<br>1: 螺钉式<br>Screw Type<br>2: 螺钉+铰链式<br>Screw + Hinge Type<br>3: 锁+铰链式<br>Lock + Hinge Type | 功能类别 Function Category<br>E: 增安型(Ex e) |
| 举例: 01#箱体尺寸64*58*36mm, 型号即为: BST5010011E<br>For Example: 01# Box Size 64*58*36mm, The Model is: BST5010011E |                                       |                                     |                                                                                                                                                 |                                                       |                                                                                                                 |                                        |

防爆接线箱（盒）选型指南  
Selection Guide for Explosion-proof Junction Box



|                                |                                                                                                                                                                                                                                                                  |                                                                                     |                                                                                     |                                                                                     |                                                                                                                                                        |                                                                                     |                                                                                     |                                                                                     |
|--------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| → BST51系列 Series               |                                                                                                                                                                                                                                                                  |                                                                                     |                                                                                     |  |                                                                     |  |  |  |
| 产品系列<br>Product Series         |                                                                                                                                                                               |  |  |                                                                                     |                                                                                                                                                        |                                                                                     |                                                                                     |                                                                                     |
|                                | BST5110E<br>系列 Series                                                                                                                                                                                                                                            | BST5120E<br>系列 Series                                                               | BST5130E<br>系列 Series                                                               |                                                                                     |                                                                                                                                                        |                                                                                     |                                                                                     |                                                                                     |
| 材质<br>Material                 | 铸铝<br>Cast Aluminium(ADC12)                                                                                                                                                                                                                                      |                                                                                     | 玻璃纤维增强聚酯<br>Glass Fiber Reinforced Polyester                                        |                                                                                     | 不锈钢<br>Stainless Steel (304/316/316L)                                                                                                                  |                                                                                     |                                                                                     |                                                                                     |
| 密封材质<br>Sealing Material       | 硅胶<br>Silicone Rubber                                                                                                                                                                                                                                            |                                                                                     | 硅胶<br>Silicone Rubber                                                               |                                                                                     | PU<br>点胶硅胶<br>平板硅胶<br>Dispensing Silicone Rubber<br>Normal Silicone Rubber                                                                             |                                                                                     |                                                                                     |                                                                                     |
| 认证类别<br>Certification Category | IECEX<br>ATEX<br>CCC<br>防爆合格证<br>Explosion-proof Certificate                                                                                                                                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                                                                                        |                                                                                     |                                                                                     |                                                                                     |
| 防爆标志<br>Ex-Mark                | Ex eb II C T6/T5/T4 Gb<br>Ex ia II C T6/T5/T4 Ga<br>Ex ib II C T6/T5/T4 Gb<br>Ex tb III C T80℃/T95℃/T130℃ Db<br>Ⓔ II 2 G Ex eb II C T6/T5/T4 Gb<br>Ⓔ II 1 G Ex ia II C T6/T5/T4 Ga<br>Ⓔ II 2 G Ex ib II C T6/T5/T4 Gb<br>Ⓔ II 2 D Ex tb III C T80℃/T95℃/T130℃ Db |                                                                                     |                                                                                     |                                                                                     |                                                                                                                                                        |                                                                                     |                                                                                     |                                                                                     |
| 防护等级<br>IP Rating              | IP66                                                                                                                                                                                                                                                             |                                                                                     |                                                                                     |                                                                                     |                                                                                                                                                        |                                                                                     |                                                                                     |                                                                                     |
| 温度范围<br>Temperature Range      | 环境温度:<br>T6(-55℃≤Ta≤+40℃)<br>T5(-55℃≤Ta≤+55℃)<br>T4(-55℃≤Ta≤+60℃)                                                                                                                                                                                                |                                                                                     | 环境温度:<br>T6(-55℃≤Ta≤+40℃)<br>T5(-55℃≤Ta≤+55℃)<br>T4(-55℃≤Ta≤+60℃)                   |                                                                                     | 环境温度:<br>Silicone Rubber<br>T6(-55℃≤Ta≤+40℃)<br>T5(-55℃≤Ta≤+55℃)<br>T4(-55℃≤Ta≤+60℃)<br>PU<br>T6(-35℃≤Ta≤+40℃)<br>T5(-35℃≤Ta≤+55℃)<br>T4(-35℃≤Ta≤+60℃) |                                                                                     |                                                                                     |                                                                                     |
| 箱体编号<br>Box Number             | 1#~29#                                                                                                                                                                                                                                                           |                                                                                     | 1#~21#                                                                              |                                                                                     | 1#~17#                                                                                                                                                 |                                                                                     |                                                                                     |                                                                                     |
| 详细页码<br>Page Number            | P26-P29                                                                                                                                                                                                                                                          |                                                                                     | P30-P37                                                                             |                                                                                     | P38-P45                                                                                                                                                |                                                                                     |                                                                                     |                                                                                     |

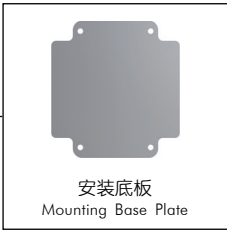
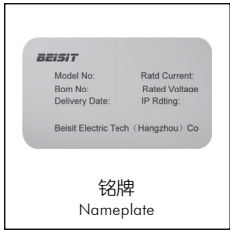
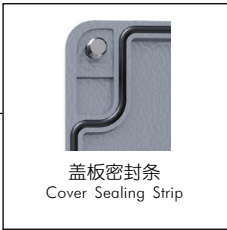
| 型号含义 Model Meaning                                                                                          |                                       |                                            |                                                                                                                                                 |                                                       |                                                                                                                 |                                        |
|-------------------------------------------------------------------------------------------------------------|---------------------------------------|--------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|----------------------------------------|
| BST                                                                                                         | □                                     | □                                          | □                                                                                                                                               | □                                                     | □                                                                                                               | □                                      |
| ▼                                                                                                           | ▼                                     | ▼                                          | ▼                                                                                                                                               | ▼                                                     | ▼                                                                                                               | ▼                                      |
| 倍仕得<br>BEISIT                                                                                               | 名称 Name<br>5: 接线箱 (盒)<br>Junction Box | 属性 Attributes<br>1: 整机<br>Complete Machine | 材质 Material<br>10: 铸铝<br>Cast Aluminium(ADC12)<br>20: 玻璃纤维增强聚酯<br>Glass Fiber Reinforced Polyester<br>30: 不锈钢<br>Stainless Steel (304、316、316L) | 箱体尺寸代码<br>Box Size Code<br>01#<br>02#<br>03#<br>..... | 结构形式 Structure Form<br>1: 螺钉式<br>Screw Type<br>2: 螺钉+铰链式<br>Screw + Hinge Type<br>3: 锁+铰链式<br>Lock + Hinge Type | 功能类别 Function Category<br>E: 增安型(Ex e) |
| 举例: 01#箱体尺寸64*58*36mm, 型号即为: BST5110011E<br>For Example: 01# Box Size 64*58*36mm, The Model is: BST5110011E |                                       |                                            |                                                                                                                                                 |                                                       |                                                                                                                 |                                        |



防爆空箱（盒）  
Explosion-proof Empty Box



→ BST5010E系列 Series



产品描述 Product Description

- 1.外壳采用铝合金材质，表面进行喷涂纯环氧树脂粉末，外露紧固件为不锈钢材质。
- 2.组成部分：安装底板、接地标识、盖板紧固件、盖板密封条、铭牌。
- 3.内部无任何的电器元器件，箱体上无任何的开孔并不带电缆固定头。
1. The enclosure is made of aluminum alloy, coated with pure epoxy resin powder on the surface, and features stainless steel for all exposed fasteners.
2. Components: mounting base plate, grounding mark, cover plate fasteners, cover plate sealing strip, nameplate.
3. The interior contains no electrical components, and the enclosure has no openings or cable glands.

产品特点 Product Feature

- 1.认证类别：IECEX、CCC、防爆合格证。
- 2.防护等级：IP66。
- 3.工作温度：-55℃~+130℃。
- 4.适用于爆炸性气体环境1区、2区；爆炸性粉尘环境21区、22区。
- 5.广泛用于石油开采、炼油、化工、油轮等易燃易爆气体环境，也可用于纤维、面粉、金属加工等可燃性粉尘场所。
1. Certification categories: IECEX, ATEX, CCC, Explosion-proof Certificate of Conformity.
2. IP Rating: IP66.
3. Operating temperature: -55 C to +130 C.
4. Suitable for:Explosive gas atmospheres in Zone 1 and Zone 2; Explosive dust environments in Zone 21 and Zone 22.
5. Widely used in:Flammable gas environments (e.g., petroleum extraction, oil refining, chemical plants, oil tankers); Combustible dust environments (e.g., fiber, flour, metal processing).

防爆空箱（盒）  
Explosion-proof Empty Box



→ BST5010E系列 Series



适用范围 Application Scope: 爆炸性气体环境1区、2区；爆炸性粉尘环境21区、22区  
Zone 1 and Zone 2 in Explosive Gas Atmospheres;  
Zone 21 and Zone 22 in Explosive Dust Atmospheres.

防护等级 IP Rating : IP66

抗冲击性能 Impact Resistance: 7J

工作温度 Operating Temperature: -55℃~+130℃

材料 Material: 铸铝 Cast Aluminium(ADC12)



认证数据 Authentication Certificate

| 认证类别 Certification Category          | 防爆标志 Ex-Mark                  | 认证类别 Certification Category | 防爆标志 Ex-Mark                  |
|--------------------------------------|-------------------------------|-----------------------------|-------------------------------|
| IECEX证书 Certificate                  | Ex eb IIC Gb<br>Ex tb IIIC Db | CCC证书 Certificate           | Ex eb IIC Gb<br>Ex tb IIIC Db |
| 防爆合格证<br>Explosion-proof Certificate | Ex eb IIC Gb<br>Ex tb IIIC Db |                             |                               |

组件数据-标配 Component Data-Standard

| 图样 Pattern | 名称 Item                                | 材料 Material                    |
|------------|----------------------------------------|--------------------------------|
|            | 安装底板<br>Mounting Base Plate            | 镀锌钢板<br>Galvanized Steel Sheet |
|            | 接地标识<br>Grounding Indication           | 304不锈钢<br>Stainless Steel      |
|            | 铭牌<br>Nameplate                        | 不干胶<br>Self-adhesive Sticker   |
|            | 盖板紧固件<br>Fasteners for the Cover Plate | 304不锈钢<br>Stainless Steel      |
|            | 盖板密封条<br>Cover Sealing Strip           | 硅胶<br>Silicone                 |



防爆空箱（盒）  
Explosion-proof Empty Box



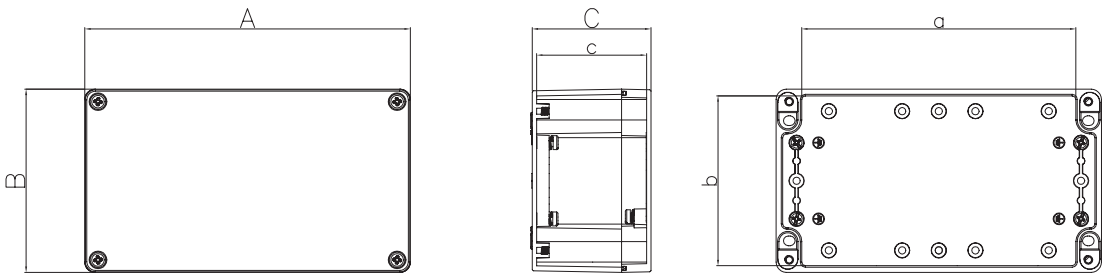
→ BST5010E系列 Series



尺寸数据 Size Data

| 序号<br>Serial Number | 外形尺寸 Overall Dimensions (mm) |            |            | 内部尺寸 Internal Dimensions (mm) |            |            | 重量<br>Weight (kg) | 容积<br>Volume (cm³) | 订货号<br>Order no |
|---------------------|------------------------------|------------|------------|-------------------------------|------------|------------|-------------------|--------------------|-----------------|
|                     | 长 long (A)                   | 宽 wide (B) | 高 high (C) | 长 long (a)                    | 宽 wide (b) | 高 high (c) |                   |                    |                 |
| 1 #                 | 64                           | 58         | 36         | 56                            | 50         | 28         | 0.15              | 100                | BST5010011E     |
| 2 #                 | 98                           | 64         | 36         | 90                            | 56         | 28         | 0.21              | 200                | BST5010021E     |
| 3 #                 | 150                          | 64         | 36         | 142                           | 56         | 28         | 0.3               | 300                | BST5010031E     |
| 4 #                 | 115                          | 65         | 55         | 107                           | 57         | 47         | 0.32              | 400                | BST5010041E     |
| 5 #                 | 82                           | 77         | 57         | 74                            | 69         | 49         | 0.28              | 400                | BST5010051E     |
| 6 #                 | 127                          | 82         | 57         | 119                           | 74         | 49         | 0.4               | 600                | BST5010061E     |
| 7 #                 | 175                          | 80         | 57         | 167                           | 72         | 49         | 0.5               | 800                | BST5010071E     |
| 8 #                 | 250                          | 80         | 57         | 242                           | 72         | 49         | 0.64              | 1100               | BST5010081E     |
| 9 #                 | 108                          | 80         | 60         | 100                           | 72         | 52         | 0.35              | 500                | BST5010091E     |
| 10 #                | 140                          | 80         | 60         | 132                           | 72         | 52         | 0.42              | 700                | BST5010101E     |
| 11 #                | 100                          | 100        | 80         | 92                            | 92         | 72         | 0.49              | 800                | BST5010111E     |
| 12 #                | 160                          | 100        | 80         | 152                           | 92         | 72         | 0.67              | 1300               | BST5010121E     |
| 13 #                | 200                          | 100        | 80         | 192                           | 92         | 72         | 0.92              | 1600               | BST5010131E     |
| 14 #                | 125                          | 125        | 80         | 117                           | 117        | 72         | 0.79              | 1300               | BST5010141E     |
| 15 #                | 360                          | 120        | 80         | 352                           | 112        | 72         | 1.93              | 3500               | BST5010151E     |
| 16 #                | 220                          | 125        | 80         | 212                           | 117        | 72         | 1.11              | 2200               | BST5010161E     |
| 17 #                | 220                          | 140        | 90         | 212                           | 132        | 82         | 1.87              | 2800               | BST5010171E     |
| 18 #                | 160                          | 160        | 90         | 152                           | 152        | 82         | 1.385             | 2300               | BST5010181E     |
| 19 #                | 260                          | 160        | 90         | 252                           | 152        | 82         | 1.95              | 3700               | BST5010191E     |
| 20 #                | 360                          | 160        | 90         | 352                           | 152        | 82         | 2.52              | 5200               | BST5010201E     |
| 21 #                | 560                          | 160        | 90         | 552                           | 152        | 82         | 2.92              | 8100               | BST5010211E     |
| 22 #                | 280                          | 180        | 100        | 272                           | 172        | 92         | 2.49              | 5000               | BST5010221E     |
| 23 #                | 180                          | 180        | 101        | 172                           | 172        | 93         | 1.83              | 3300               | BST5010231E     |
| 24 #                | 230                          | 200        | 110        | 222                           | 192        | 102        | 2.39              | 5100               | BST5010241E     |
| 25 #                | 280                          | 230        | 110        | 272                           | 222        | 102        | 2.73              | 7100               | BST5010251E     |
| 26 #                | 330                          | 230        | 120        | 322                           | 222        | 112        | 3.32              | 9100               | BST5010261E     |
| 27 #                | 400                          | 230        | 110        | 392                           | 222        | 102        | 3.78              | 10100              | BST5010271E     |
| 28 #                | 403                          | 313        | 111        | 395                           | 305        | 103        | 5.77              | 14000              | BST5010281E     |
| 29 #                | 600                          | 310        | 110        | 592                           | 302        | 102        | 8.82              | 20500              | BST5010291E     |

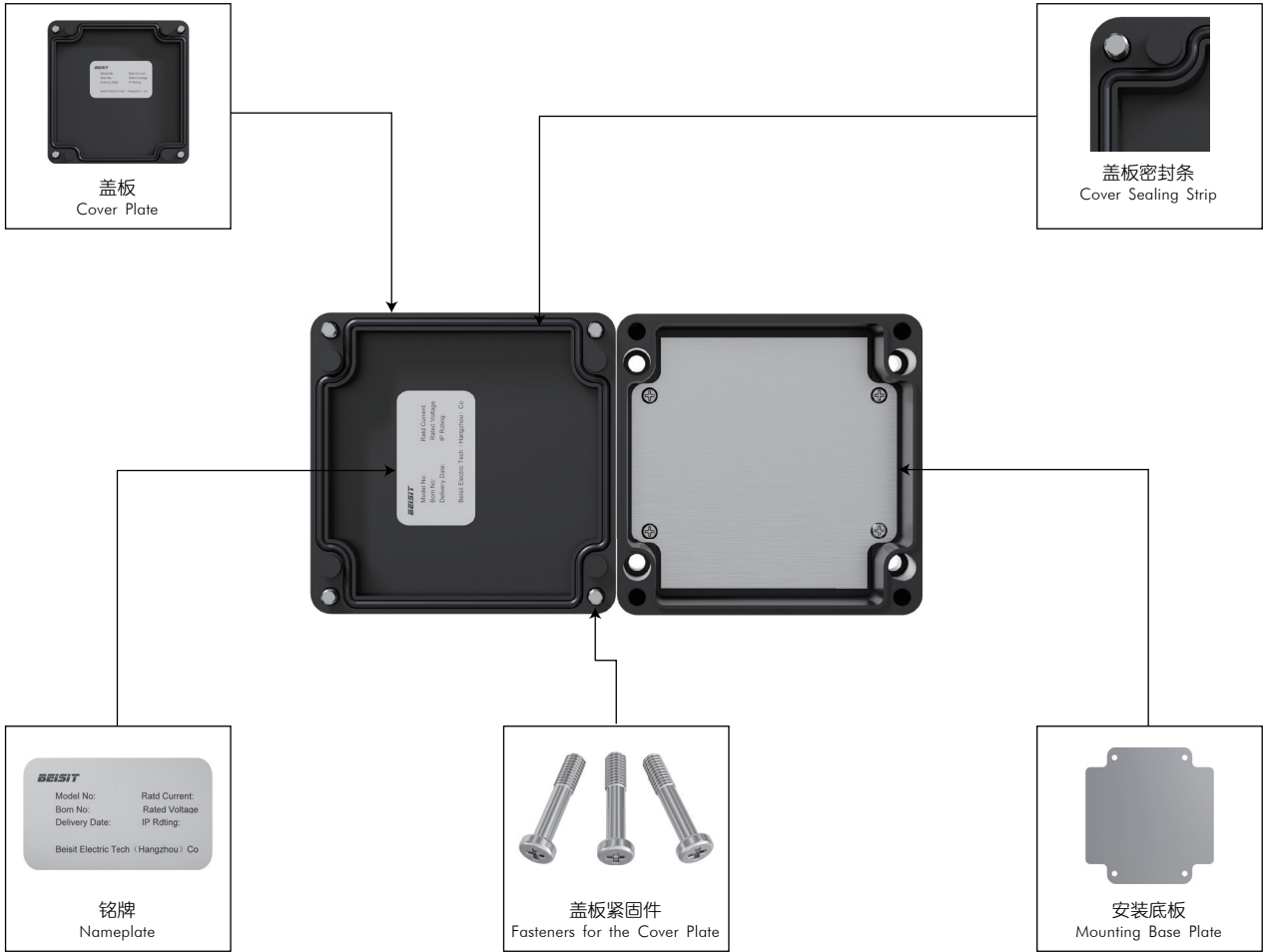
外形尺寸 Outline Drawing



防爆空箱（盒）  
Explosion-proof Empty Box



→ BST5020E系列 Series



产品描述 Product Description

1. 外壳采用耐冲击的玻璃纤维增强聚酯材料制成，外露紧固件为不锈钢材质。

2. 组成部分：安装底板、接地标识、盖板紧固件、盖板密封条、铭牌。

3. 内部无任何的电器元器件，箱体上无任何的开孔并不带电缆固定头。
1. The enclosure is made of impact-resistant glass fiber reinforced polyester material, and the exposed fasteners are made of stainless steel.

2. Components: mounting base plate, grounding mark, cover plate fasteners, cover plate sealing strip, nameplate.

3. The interior contains no electrical components, and the enclosure has no openings or cable glands..

产品特点 Product Feature

1. 认证类别：IECEx、CCC、防爆合格证。

2. 防护等级：IP66。

3. 工作温度：-55℃~+130℃。

4. 适用于爆炸性气体环境1区、2区；爆炸性粉尘环境21区、22区。

5. 广泛用于石油开采、炼油、化工、油轮等易燃易爆气体环境，也可用于纤维、面粉、金属加工等可燃性粉尘场所。
1. Certification categories: IECEx, ATEX, CCC, Explosion-proof Certificate of Conformity.

2. Protection level: IP66.

3. Operating temperature: -55C to +130C.

4. Suitable for: Explosive gas atmospheres in Zone 1 and Zone 2; Explosive dust environments in Zone 21 and Zone 22.

5. Widely used in: Flammable gas environments (e.g., petroleum extraction, oil refining, chemical plants, oil tankers); Combustible dust environments (e.g., fiber, flour, metal processing).



防爆空箱（盒）  
Explosion-proof Empty Box



→ BST5020E系列 Series



适用范围 Application Scope: 爆炸性气体环境1区、2区；爆炸性粉尘环境21区、22区  
Zone 1 and Zone 2 in Explosive Gas Atmospheres;  
Zone 21 and Zone 22 in Explosive Dust Atmospheres.

防护等级 IP Rating: IP66

抗冲击性能 Impact Resistance: 7J

工作温度 Operating Temperature: -55℃~+130℃

材料 Material: 玻璃纤维增强聚酯 Glass Fiber Reinforced Polyester



认证数据 Authentication Certificate

| 认证类别 Certification Category          | 防爆标志 Ex-Mark                  | 认证类别 Certification Category | 防爆标志 Ex-Mark                  |
|--------------------------------------|-------------------------------|-----------------------------|-------------------------------|
| IECEx证书 Certificate                  | Ex eb IIC Gb<br>Ex tb IIIC Db | CCC证书 Certificate           | Ex eb IIC Gb<br>Ex tb IIIC Db |
| 防爆合格证<br>Explosion-proof Certificate | Ex eb IIC Gb<br>Ex tb IIIC Db |                             |                               |

组件数据-标配 Component Data-Standard

| 图样 Pattern                                                                          | 名称 Item                                | 材料 Material                    |
|-------------------------------------------------------------------------------------|----------------------------------------|--------------------------------|
|   | 安装底板<br>Mounting Base Plate            | 镀锌钢板<br>Galvanized Steel Sheet |
|  | 铭牌<br>Nameplate                        | 不干胶<br>Self-adhesive Sticker   |
|  | 盖板紧固件<br>Fasteners for the Cover Plate | 304不锈钢<br>Stainless Steel      |
|  | 盖板密封条<br>Cover Sealing Strip           | 硅胶<br>Silicone                 |

防爆空箱（盒）  
Explosion-proof Empty Box



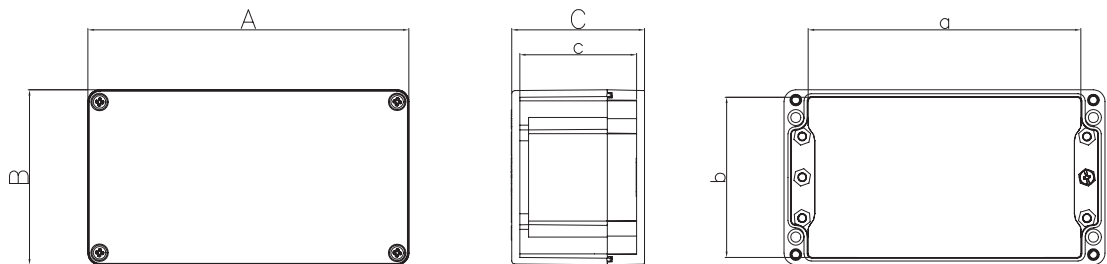
→ BST5020E系列 Series



尺寸数据 Size Data

| 序号<br>Serial Number | 外形尺寸 Overall Dimensions (mm) |            |            | 内部尺寸 Internal Dimensions (mm) |            |            | 重量<br>Weight (kg) | 容积<br>Volume (cm³) | 订货号<br>Order no |
|---------------------|------------------------------|------------|------------|-------------------------------|------------|------------|-------------------|--------------------|-----------------|
|                     | 长 long (A)                   | 宽 wide (B) | 高 high (C) | 长 long (a)                    | 宽 wide (b) | 高 high (c) |                   |                    |                 |
| 1 #                 | 80                           | 75         | 75         | 71                            | 66         | 66         | 0.23              | 500                | BST5020011E     |
| 2 #                 | 110                          | 75         | 75         | 101                           | 66         | 66         | 0.36              | 600                | BST5020021E     |
| 3 #                 | 160                          | 75         | 75         | 151                           | 66         | 66         | 0.46              | 900                | BST5020031E     |
| 4 #                 | 190                          | 75         | 75         | 181                           | 66         | 66         | 0.53              | 1100               | BST5020041E     |
| 5 #                 | 230                          | 75         | 75         | 221                           | 66         | 66         | 0.67              | 1300               | BST5020051E     |
| 6 #                 | 122                          | 120        | 91         | 113                           | 111        | 82         | 0.75              | 1300               | BST5020061E     |
| 7 #                 | 220                          | 120        | 91         | 211                           | 111        | 82         | 1.06              | 2400               | BST5020071E     |
| 8 #                 | 160                          | 160        | 91         | 148                           | 148        | 79         | 1.29              | 2300               | BST5020081E     |
| 9 #                 | 260                          | 160        | 91         | 248                           | 148        | 79         | 1.71              | 3800               | BST5020091E     |
| 10 #                | 360                          | 360        | 91         | 348                           | 348        | 79         | 4.2               | 11800              | BST5020101E     |
| 11 #                | 560                          | 160        | 91         | 548                           | 148        | 79         | 3.185             | 8200               | BST5020111E     |
| 12 #                | 360                          | 160        | 91         | 348                           | 148        | 79         | 2.15              | 5200               | BST5020121E     |
| 13 #                | 255                          | 250        | 121        | 243                           | 238        | 109        | 2.65              | 7700               | BST5020131E     |
| 14 #                | 400                          | 250        | 121        | 388                           | 238        | 109        | 3.65              | 12100              | BST5020141E     |
| 15 #                | 600                          | 250        | 121        | 588                           | 238        | 109        | 5.235             | 18200              | BST5020151E     |
| 16 #                | 255                          | 250        | 161        | 243                           | 238        | 149        | 3.275             | 10300              | BST5020161E     |
| 17 #                | 400                          | 250        | 161        | 388                           | 238        | 149        | 4.8               | 16100              | BST5020171E     |
| 18 #                | 405                          | 400        | 201        | 396                           | 391        | 192        | 6.65              | 32600              | BST5020181E     |
| 19 #                | 400                          | 400        | 210        | 388                           | 388        | 198        | 6.75              | 33600              | BST5020191E     |
| 20 #                | 160                          | 160        | 120        | 148                           | 148        | 108        | 1.35              | 3100               | BST5020201E     |
| 21 #                | 810                          | 400        | 210        | 798                           | 388        | 198        | 13.9              | 68000              | BST5020211E     |

外形尺寸 Outline Drawing

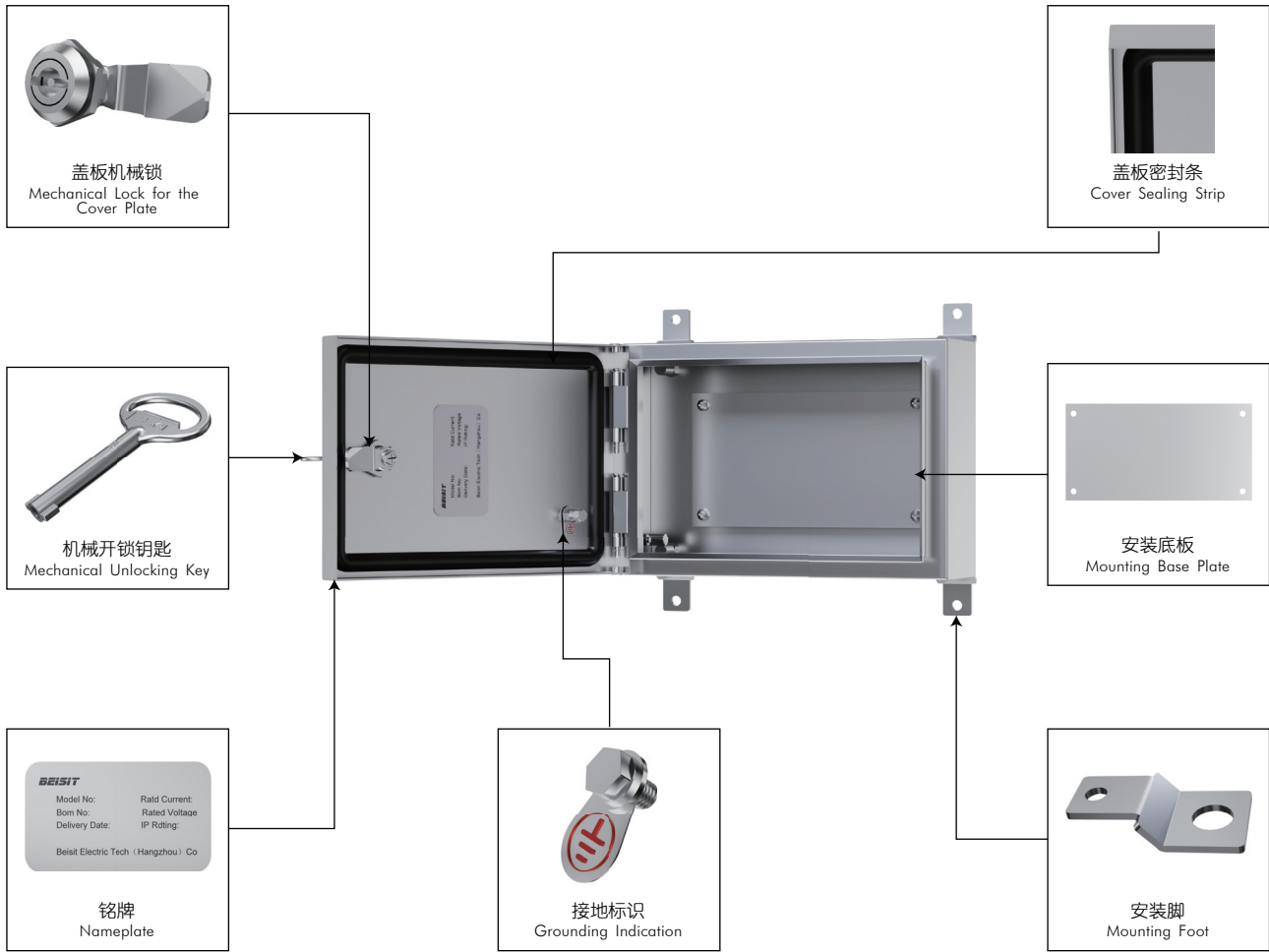




防爆空箱（盒）  
Explosion-proof Empty Box



→ BST5030E系列 Series



产品描述 Product Description

1. 外壳采用不锈钢(304、316、316L)表面拉丝处理，外露紧固件为不锈钢材质。
2. 螺钉结构时组成部件：安装底板、安装脚、接地标识、盖板紧固件、盖板密封条、铭牌。
3. 螺钉铰链结构时组成部件：安装底板、安装脚、接地标识、盖板紧固件、铰链、盖板密封条、铭牌。
4. 门锁铰链结构时组成部件：安装底板、安装脚、接地标识、门锁、铰链、盖板密封条、铭牌。
5. 内部无任何的电器元器件，箱体上无任何的开孔并不带电缆固定头。

1. The enclosure is made of stainless steel (304, 316, 316L) with a brushed finish, and all exposed fasteners are stainless steel.
2. Components in the screw structure: installation base plate, mounting foot, grounding mark, cover plate fastener, cover plate sealing strip, nameplate.
3. Components in the screw hinge structure: installation base plate, mounting foot, grounding mark, cover plate fastener, hinge, cover plate sealing strip, nameplate.
4. Components in the door lock hinge structure: installation base plate, mounting foot, grounding mark, door lock, hinge, cover plate sealing strip, nameplate.
5. The interior contains no electrical components, and the enclosure has no openings or cable glands.

产品特点 Product Feature

1. 认证类别：IECEX、CCC、防爆合格证。
  2. 防护等级：IP66。
  3. 工作温度：-55℃~+130℃。
  4. 适用于爆炸性气体环境1区、2区；爆炸性粉尘环境21区、22区。
  5. 广泛用于石油开采、炼油、化工、油轮等易燃易爆气体环境，也可用于纤维、面粉、金属加工等可燃性粉尘场所。
1. Certification Categories: IECEX, ATEX, CCC, Explosion-proof Certificate of Conformity.
  2. IP Rating: IP66.
  3. Operating temperature: -55°C to +130°C.
  4. Suitable for: Explosive gas atmospheres in Zone 1 and Zone 2; Explosive dust environments in Zone 21 and Zone 22.
  5. Widely used in: Flammable gas environments (e.g., petroleum extraction, oil refining, chemical plants, oil tankers); Combustible dust environments (e.g., fiber, flour, metal processing).

防爆空箱（盒）  
Explosion-proof Empty Box



→ BST5030E系列 Series



适用范围 Application Scope: 爆炸性气体环境1区、2区；爆炸性粉尘环境21区、22区  
Zone 1 and Zone 2 in Explosive Gas Atmospheres;  
Zone 21 and Zone 22 in Explosive Dust Atmospheres.

防护等级 IP Rating: IP66

抗冲击性能 Impact Resistance: 7J

工作温度 Operating Temperature: -55℃~+130℃

材料 Material: 不锈钢 Stainless Steel (304、316、316L)



认证数据 Authentication Certificate

| 认证类别 Certification Category          | 防爆标志 Ex-Mark                  | 认证类别 Certification Category | 防爆标志 Ex-Mark                  |
|--------------------------------------|-------------------------------|-----------------------------|-------------------------------|
| IECEX证书 Certificate                  | Ex eb IIC Gb<br>Ex tb IIIC Db | CCC证书 Certificate           | Ex eb IIC Gb<br>Ex tb IIIC Db |
| 防爆合格证<br>Explosion-proof Certificate | Ex eb IIC Gb<br>Ex tb IIIC Db |                             |                               |

组件数据-标配 Component Data-Standard

| 图样 Pattern | 名称 Item                                      | 材料 Material                    |
|------------|----------------------------------------------|--------------------------------|
|            | 安装底板<br>Mounting Base Plate                  | 镀锌钢板<br>Galvanized Steel Sheet |
|            | 接地标识<br>Grounding Indication                 | 304不锈钢<br>Stainless Steel      |
|            | 铭牌<br>Nameplate                              | 不干胶<br>Self-Adhesive Sticker   |
|            | 盖板紧固件<br>Fasteners for the Cover Plate       | 304不锈钢<br>Stainless Steel      |
|            | 盖板密封条<br>Cover Sealing Strip                 | PU/硅胶<br>Silicone              |
|            | 安装脚<br>Mounting Foot                         | 304不锈钢<br>Stainless Steel      |
|            | 机械开锁钥匙<br>Mechanical Unlocking Key           | 304不锈钢<br>Stainless Steel      |
|            | 盖板机械锁<br>Mechanical Lock for the Cover Plate | 304不锈钢<br>Stainless Steel      |
|            | 铰链<br>Hinge                                  | 304不锈钢<br>Stainless Steel      |



防爆空箱（盒）  
Explosion-proof Empty Box



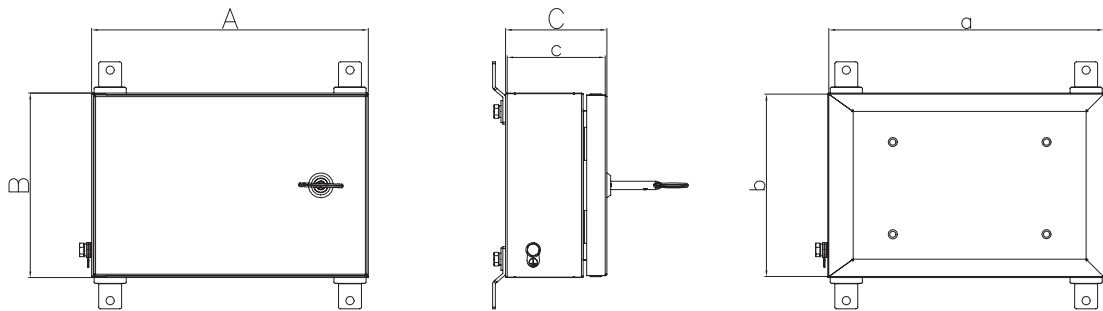
→ BST5030E系列 Series



尺寸数据 Size Data

| 序号<br>Serial Number | 外形尺寸 Overall Dimensions (mm) |            |            | 内部尺寸 Internal Dimensions (mm) |            |            | 重量<br>Weight<br>(kg) | 容积<br>Volume<br>(cm³) | 订货号<br>Order no                           |
|---------------------|------------------------------|------------|------------|-------------------------------|------------|------------|----------------------|-----------------------|-------------------------------------------|
|                     | 长 long (A)                   | 宽 wide (B) | 高 high (C) | 长 long (a)                    | 宽 wide (b) | 高 high (c) |                      |                       |                                           |
| 1 #                 | 100                          | 100        | 60         | 97                            | 97         | 57         | 0.44                 | 600                   | BST5030011E                               |
| 2 #                 | 150                          | 150        | 80         | 147                           | 147        | 77         | 0.96                 | 1800                  | BST5030021E                               |
| 3 #                 | 200                          | 150        | 80         | 197                           | 147        | 77         | 1.35                 | 2400                  | BST5030031E                               |
| 4 #                 | 300                          | 200        | 110        | 297                           | 197        | 107        | 3                    | 6600                  | BST5030041E<br>BST5030042E<br>BST5030043E |
| 5 #                 | 400                          | 200        | 150        | 397                           | 197        | 147        | 4.6                  | 12000                 | BST5030051E<br>BST5030052E<br>BST5030053E |
| 6 #                 | 400                          | 400        | 150        | 397                           | 397        | 147        | 7.4                  | 24000                 | BST5030061E<br>BST5030062E<br>BST5030063E |
| 7 #                 | 400                          | 400        | 210        | 397                           | 397        | 207        | 8.7                  | 33600                 | BST5030071E<br>BST5030072E<br>BST5030073E |
| 8 #                 | 500                          | 400        | 150        | 497                           | 397        | 147        | 8.5                  | 30000                 | BST5030081E<br>BST5030082E<br>BST5030083E |
| 9 #                 | 500                          | 500        | 210        | 497                           | 497        | 207        | 8.9                  | 52500                 | BST5030091E<br>BST5030092E<br>BST5030093E |
| 10 #                | 600                          | 400        | 210        | 596                           | 396        | 206        | 9.8                  | 50400                 | BST5030101E<br>BST5030102E<br>BST5030103E |
| 11 #                | 700                          | 400        | 210        | 696                           | 396        | 206        | 10.1                 | 58800                 | BST5030111E<br>BST5030112E<br>BST5030113E |
| 12 #                | 700                          | 700        | 300        | 696                           | 696        | 296        | 11.8                 | 147000                | BST5030121E<br>BST5030122E<br>BST5030123E |
| 13 #                | 800                          | 600        | 300        | 796                           | 596        | 296        | 12.1                 | 144000                | BST5030131E<br>BST5030132E<br>BST5030133E |
| 14 #                | 1000                         | 800        | 300        | 996                           | 796        | 296        | 16.9                 | 240000                | BST5030141E<br>BST5030142E<br>BST5030143E |
| 15 #                | 800                          | 800        | 400        | 796                           | 796        | 396        | 14.8                 | 256000                | BST5030151E<br>BST5030152E<br>BST5030153E |
| 16 #                | 900                          | 900        | 400        | 896                           | 896        | 396        | 17.4                 | 324000                | BST5030161E<br>BST5030162E<br>BST5030163E |
| 17 #                | 1200                         | 1200       | 400        | 1196                          | 1196       | 396        | 20.4                 | 576000                | BST5030171E<br>BST5030172E<br>BST5030173E |

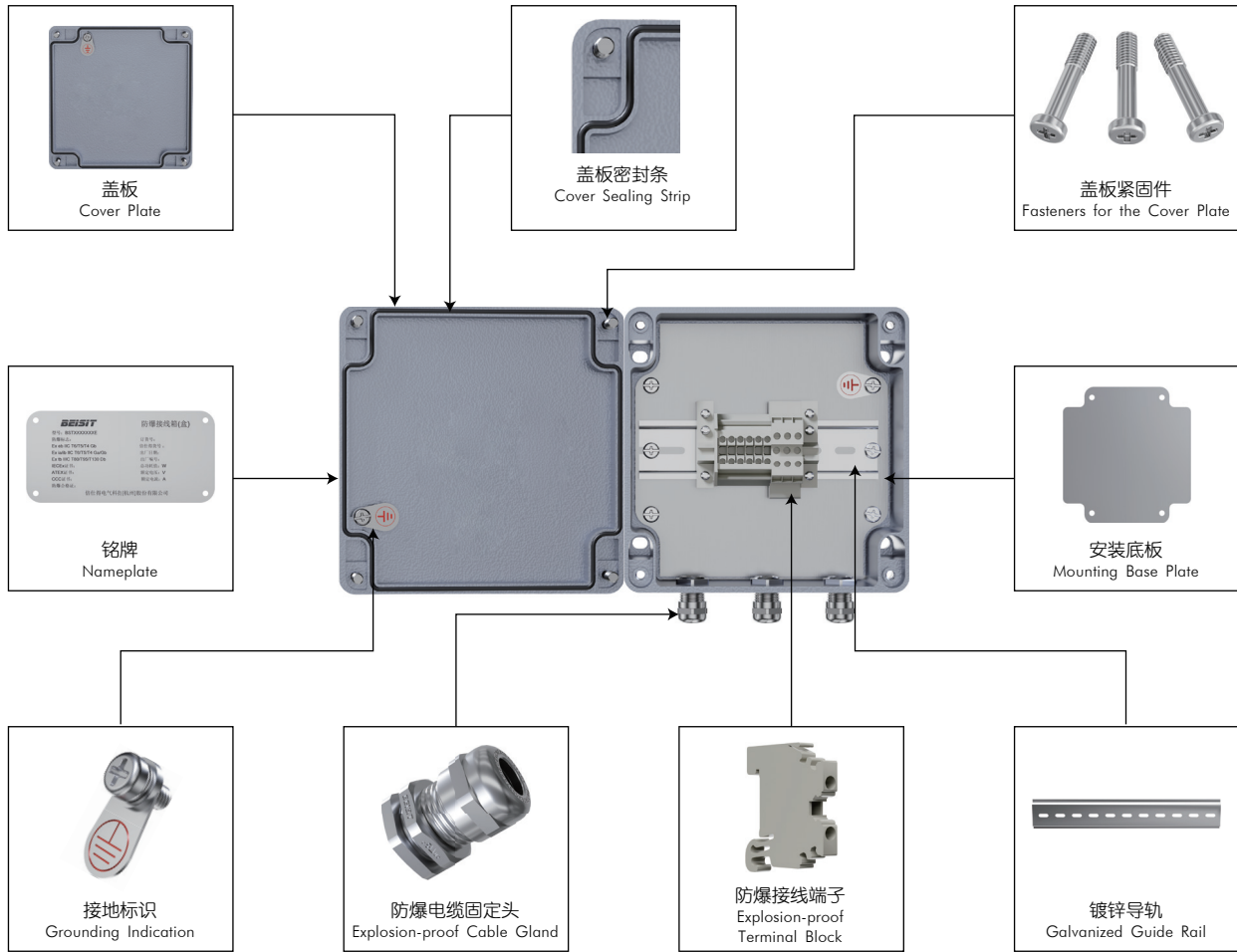
外形尺寸 Outline Drawing



防爆接线箱（盒）  
Explosion-proof Junction Box



→ BST5110E系列 Series



产品描述 Product Description

1. 外壳采用铝合金材质，表面进行喷涂纯环氧树脂粉末，外露紧固件为不锈钢材质。
2. 组成部分：安装底板、安装脚、接地标识、盖板紧固件、盖板密封条、铭牌、导轨（防爆接线端子、防爆呼吸阀、防爆电缆固定头可根据客户要求配置，客户也可自购自装）。
1. The enclosure is made of aluminum alloy, and its surface is sprayed with pure epoxy resin powder. The exposed fasteners are made of stainless steel.
2. Components: installation base plate, mounting foot, grounding mark, cover plate fastener, cover plate sealing strip, nameplate, guide rail. (Explosion-proof terminal blocks, explosion-proof breather valves, and explosion-proof cable glands can be configured according to customer requirements. Customers can also purchase and install them by themselves).

产品FAB The FAB of the Product

|              |                                                                                                                                                                                                                                                                                                                                                               |
|--------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 特点 Features  | 工作环境温度 Working environment temperature: -55℃~+130℃，测试温度 Testing temperature: -60℃~+150℃<br>防爆接线箱带本安型认证 The explosion-proof junction box has intrinsic safety type certification, Ex ib IIC T6/T5/T4 Gb<br>防护等级 IP Rating: IP66                                                                                                                                |
| 优点 Advantage | 国内外证书齐全：IECEX、ATEX、CCC、防爆合格证。<br>It has a full range of domestic and foreign certificates, such as IECEx, ATEX, CCC and Explosion-proof Certificate.<br>规格种类齐全，一共有29种规格，最小规格是64x58x36mm，最大规格是600x310x110mm。<br>There are 29 specifications in total, ranging from the smallest 64x58x36mm (unit unspecified) to the largest 600x310x110mm (unit unspecified). |
| 价值 Benefit   | 产品系列齐全，根据客户需求，可选最具性价比的产品。<br>There is a complete product series. According to customers' needs, the most cost-effective products can be selected.                                                                                                                                                                                                             |

防爆接线箱（盒）  
Explosion-proof Junction Box



→ BST5110E系列 Series



适用范围 Application Scope: 爆炸性气体环境0区、1区、2区；爆炸性粉尘环境21区、22区  
Zone 0, Zone 1 and Zone 2 in Explosive Gas Atmospheres;  
Zone 21 and Zone 22 in Explosive Dust Atmospheres.

防护等级 IP Rating: IP66

抗冲击性能 Impact Resistance: 7J

使用环境温度 Ambient Temperature: -55℃≤Ta≤+40℃/+55℃/+60℃

材料 Material: 铸铝 Cast Aluminium(ADC12)



认证数据 Authentication Certificate

| 认证类别 Certification Category | 防爆标志 Ex-Mark                                                                                                                                    | 认证类别 Certification Category          | 防爆标志 Ex-Mark                                                                                                |
|-----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|-------------------------------------------------------------------------------------------------------------|
| IECEx证书 Certificate         | Ex eb IIC T6/T5/T4 Gb<br>Ex ia IIC T6/T5/T4 Ga<br>Ex ib IIC T6/T5/T4 Gb<br>Ex tb IIIC T80 C/T95 C/T130 C Db                                     | CCC证书 Certificate                    | Ex eb IIC T6/T5/T4 Gb<br>Ex ia IIC T6/T5/T4 Ga<br>Ex ib IIC T6/T5/T4 Gb<br>Ex tb IIIC T80 C/T95 C/T130 C Db |
| ATEX证书 Certificate          | Ⓔ II 2 G Ex eb IIC T6/T5/T4 Gb<br>Ⓔ II 1 G Ex ia IIC T6/T5/T4 Ga<br>Ⓔ II 2 G Ex ib IIC T6/T5/T4 Gb<br>Ⓔ II 2 D Ex tb IIIC T80 C/T95 C/T130 C Db | 防爆合格证<br>Explosion-proof Certificate | Ex eb IIC T6/T5/T4 Gb<br>Ex ia IIC T6/T5/T4 Ga<br>Ex ib IIC T6/T5/T4 Gb<br>Ex tb IIIC T80 C/T95 C/T130 C Db |

组件数据-标配 Component Data-Standard

| 图样<br>Pattern | 名称<br>Item                             | 材料<br>Material                 |
|---------------|----------------------------------------|--------------------------------|
|               | 安装底板<br>Mounting Base Plate            | 镀锌钢板<br>Galvanized Steel Sheet |
|               | 盖板紧固件<br>Fasteners for the Cover Plate | 304不锈钢<br>Stainless Steel      |
|               | 盖板密封条<br>Cover Sealing Strip           | 硅胶<br>Silicone                 |
|               | 接地标识<br>Grounding Indication           | 304不锈钢<br>Stainless Steel      |
|               | 铭牌<br>Nameplate                        | 304不锈钢<br>Stainless Steel      |

组件数据-选配 Component Data-Optional

| 图样<br>Pattern | 名称<br>Item                               | 材料<br>Material                 |
|---------------|------------------------------------------|--------------------------------|
|               | 安装导轨<br>Installation Guide Rail          | 镀锌钢板<br>Galvanized Steel Sheet |
|               | 防爆接线端子<br>Explosion-proof Terminal Block | PA                             |
|               | 防爆电缆固定头<br>Explosion-proof Cable Gland   | 金属<br>Metal                    |
|               | 防爆呼吸阀<br>Explosion-proof Breather Valve  | 金属<br>Metal                    |
|               |                                          |                                |



防爆接线箱（盒）  
Explosion-proof Junction Box

→ BST5110E系列 Series



耗散功率数据 Dissipation Power Meter

| 序号<br>No. | 型号<br>Model | 最大耗散功率(W)<br>Maximum Dissipation Power | 箱体外形尺寸 Box Dimensions (mm) |          |          |
|-----------|-------------|----------------------------------------|----------------------------|----------|----------|
|           |             |                                        | 长 long A                   | 宽 wide B | 高 high C |
| 1         | BST5110011E | 0.22                                   | 64                         | 58       | 36       |
| 2         | BST5110021E | 0.76                                   | 98                         | 64       | 36       |
| 3         | BST5110031E | 1.48                                   | 150                        | 64       | 36       |
| 4         | BST5110041E | 2.18                                   | 115                        | 65       | 55       |
| 5         | BST5110051E | 0.90                                   | 85                         | 77       | 57       |
| 6         | BST5110061E | 1.89                                   | 127                        | 82       | 57       |
| 7         | BST5110071E | 4.29                                   | 175                        | 80       | 57       |
| 8         | BST5110081E | 5.95                                   | 250                        | 80       | 57       |
| 9         | BST5110091E | 1.80                                   | 108                        | 80       | 60       |
| 10        | BST5110101E | 3.32                                   | 140                        | 80       | 60       |
| 11        | BST5110111E | 3.30                                   | 100                        | 100      | 80       |
| 12        | BST5110121E | 3.71                                   | 160                        | 100      | 80       |
| 13        | BST5110131E | 6.86                                   | 200                        | 100      | 80       |
| 14        | BST5110141E | 2.51                                   | 125                        | 125      | 80       |
| 15        | BST5110151E | 16.95                                  | 360                        | 120      | 80       |
| 16        | BST5110161E | 7.77                                   | 220                        | 125      | 80       |
| 17        | BST5110171E | 7.19                                   | 220                        | 140      | 90       |
| 18        | BST5110181E | 4.00                                   | 160                        | 160      | 90       |
| 19        | BST5110191E | 9.35                                   | 260                        | 160      | 90       |
| 20        | BST5110201E | 17.56                                  | 360                        | 160      | 90       |
| 21        | BST5110211E | 29.36                                  | 560                        | 160      | 90       |
| 22        | BST5110221E | 11.40                                  | 280                        | 180      | 100      |
| 23        | BST5110231E | 6.05                                   | 180                        | 180      | 101      |
| 24        | BST5110241E | 9.48                                   | 230                        | 200      | 110      |
| 25        | BST5110251E | 21.66                                  | 280                        | 230      | 110      |
| 26        | BST5110261E | 27.62                                  | 330                        | 230      | 120      |
| 27        | BST5110271E | 32.96                                  | 400                        | 230      | 110      |
| 28        | BST5110281E | 38.30                                  | 403                        | 313      | 111      |
| 29        | BST5110291E | 61.18                                  | 600                        | 310      | 110      |



防爆接线箱（盒）  
Explosion-proof Junction Box



→ BST5110E系列 Series

IEC Ex

ATEX

CCC

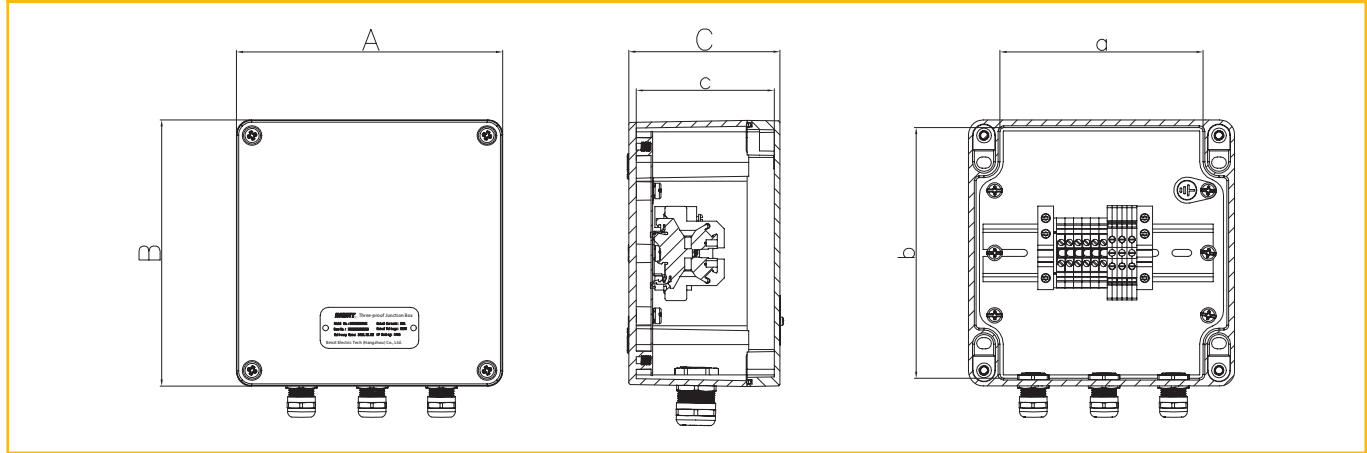
RoHS

REACH

开孔数据 Hole Opening Data

| 序号<br>No. | 箱体外形尺寸 Box Dimensions (mm) |          |          | 型号<br>Model | 开孔区域到箱体边最小距离<br>Min. dist. from opening area to box edge (mm) | 电缆固定头安装面<br>Cable gland mount surface<br>F<br><div>D<span style="display: inline-block; width: 10px; height: 10px; border: 1px solid black; position: relative; top: -5px; left: 5px;">E</span>G</div> | 电缆固定头型号 Cable Gland Model |     |      |     |      |     |     |     |     |     |
|-----------|----------------------------|----------|----------|-------------|---------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|-----|------|-----|------|-----|-----|-----|-----|-----|
|           | 长 long A                   | 宽 wide B | 高 high C |             |                                                               |                                                                                                                                                                                                        | M12                       | M16 | M16B | M20 | M20B | M25 | M32 | M40 | M50 | M63 |
| 1         | 64                         | 58       | 36       | BST5110011E | 最小距离≥3                                                        | D/E<br>F/G                                                                                                                                                                                             | 1                         | /   | /    | /   | /    | /   | /   | /   | /   | /   |
| 2         | 98                         | 64       | 36       | BST5110021E |                                                               |                                                                                                                                                                                                        | 3                         | /   | /    | /   | /    | /   | /   | /   | /   | /   |
| 3         | 150                        | 64       | 36       | BST5110031E |                                                               |                                                                                                                                                                                                        | 5                         | /   | /    | /   | /    | /   | /   | /   | /   | /   |
| 4         | 115                        | 65       | 55       | BST5110041E |                                                               |                                                                                                                                                                                                        | 4                         | 3   | 3    | 3   | 3    | 2   | /   | /   | /   | /   |
| 5         | 82                         | 77       | 57       | BST5110051E |                                                               |                                                                                                                                                                                                        | 1                         | 1   | 1    | /   | /    | /   | /   | /   | /   | /   |
| 6         | 127                        | 82       | 57       | BST5110061E |                                                               |                                                                                                                                                                                                        | 3                         | 2   | 2    | 1   | 1    | 1   | /   | /   | /   | /   |
| 7         | 175                        | 80       | 57       | BST5110071E |                                                               |                                                                                                                                                                                                        | 3                         | 2   | 2    | 1   | 1    | 1   | /   | /   | /   | /   |
| 8         | 250                        | 80       | 57       | BST5110081E |                                                               |                                                                                                                                                                                                        | 7                         | 3   | 3    | 3   | 3    | 2   | /   | /   | /   | /   |
| 9         | 108                        | 80       | 60       | BST5110091E |                                                               |                                                                                                                                                                                                        | 2                         | 1   | 1    | 1   | 1    | 1   | /   | /   | /   | /   |
| 10        | 140                        | 80       | 60       | BST5110101E |                                                               |                                                                                                                                                                                                        | 11                        | 5   | 5    | 4   | 4    | 3   | /   | /   | /   | /   |
| 11        | 100                        | 100      | 80       | BST5110111E |                                                               |                                                                                                                                                                                                        | 3                         | 2   | 2    | 1   | 1    | 1   | /   | /   | /   | /   |
| 12        | 160                        | 100      | 80       | BST5010121E |                                                               |                                                                                                                                                                                                        | 18                        | 8   | 8    | 7   | 6    | 5   | /   | /   | /   | /   |
| 13        | 200                        | 100      | 80       | BST5110131E |                                                               |                                                                                                                                                                                                        | 3                         | 2   | 2    | 1   | 1    | 1   | /   | /   | /   | /   |
| 14        | 125                        | 125      | 80       | BST5110141E |                                                               |                                                                                                                                                                                                        | 5                         | 3   | 3    | 2   | 2    | 2   | /   | /   | /   | /   |
| 15        | 360                        | 120      | 80       | BST5110151E |                                                               |                                                                                                                                                                                                        | 2                         | 1   | 1    | 1   | 1    | 1   | /   | /   | /   | /   |
| 16        | 220                        | 125      | 80       | BST5110161E |                                                               |                                                                                                                                                                                                        | 10                        | 5   | 5    | 3   | 3    | 3   | 2   | /   | /   | /   |
| 17        | 220                        | 140      | 90       | BST5010171E |                                                               |                                                                                                                                                                                                        | 2                         | 1   | 1    | 1   | 1    | 1   | /   | /   | /   | /   |
| 18        | 160                        | 160      | 90       | BST5110181E |                                                               |                                                                                                                                                                                                        | 8                         | 5   | 5    | 3   | 3    | 2   | 1   | /   | /   | /   |
| 19        | 260                        | 160      | 90       | BST5110191E |                                                               |                                                                                                                                                                                                        | 5                         | 4   | 4    | 2   | 2    | 1   | 1   | /   | /   | /   |
| 20        | 360                        | 160      | 90       | BST5110201E |                                                               |                                                                                                                                                                                                        | 17                        | 10  | 10   | 5   | 5    | 3   | 2   | 2   | /   | /   |
| 21        | 560                        | 160      | 90       | BST5110211E |                                                               |                                                                                                                                                                                                        | 5                         | 4   | 4    | 2   | 2    | 1   | 1   | /   | /   | /   |
| 22        | 280                        | 180      | 100      | BST5110221E |                                                               |                                                                                                                                                                                                        | 21                        | 12  | 12   | 7   | 7    | 4   | 3   | 2   | /   | /   |
| 23        | 180                        | 180      | 101      | BST5110231E |                                                               |                                                                                                                                                                                                        | 5                         | 4   | 4    | 2   | 2    | 1   | 1   | /   | /   | /   |
| 24        | 230                        | 200      | 110      | BST5110241E |                                                               |                                                                                                                                                                                                        | 9                         | 6   | 6    | 3   | 3    | 2   | 1   | 1   | /   | /   |
| 25        | 280                        | 230      | 110      | BST5110251E |                                                               |                                                                                                                                                                                                        | 5                         | 4   | 4    | 2   | 2    | 1   | 1   | /   | /   | /   |
| 26        | 330                        | 230      | 120      | BST5110261E |                                                               |                                                                                                                                                                                                        | 28                        | 24  | 24   | 10  | 10   | 8   | 6   | 5   | /   | /   |
| 27        | 400                        | 230      | 110      | BST5110271E |                                                               |                                                                                                                                                                                                        | 5                         | 3   | 2    | 1   | 1    | 1   | 1   | /   | /   | /   |
| 28        | 403                        | 313      | 111      | BST5110281E |                                                               |                                                                                                                                                                                                        | 23                        | 14  | 14   | 7   | 7    | 5   | 3   | 3   | /   | /   |
| 29        | 600                        | 310      | 110      | BST5110291E |                                                               |                                                                                                                                                                                                        | 5                         | 4   | 4    | 2   | 2    | 1   | 1   | /   | /   | /   |
|           |                            |          |          |             |                                                               |                                                                                                                                                                                                        | 23                        | 12  | 12   | 10  | 10   | 5   | 3   | 2   | 1   | /   |
|           |                            |          |          |             |                                                               |                                                                                                                                                                                                        | 8                         | 5   | 5    | 4   | 4    | 2   | 1   | 1   | /   | /   |
|           |                            |          |          |             |                                                               |                                                                                                                                                                                                        | 15                        | 8   | 8    | 8   | 8    | 3   | 2   | 2   | 1   | /   |
|           |                            |          |          |             |                                                               |                                                                                                                                                                                                        | 11                        | 6   | 6    | 6   | 6    | 3   | 2   | 1   | 1   | /   |
|           |                            |          |          |             |                                                               |                                                                                                                                                                                                        | 30                        | 16  | 16   | 14  | 14   | 7   | 4   | 3   | 3   | /   |
|           |                            |          |          |             |                                                               |                                                                                                                                                                                                        | 11                        | 6   | 6    | 6   | 6    | 3   | 2   | 1   | 1   | /   |
|           |                            |          |          |             |                                                               |                                                                                                                                                                                                        | 42                        | 24  | 24   | 20  | 20   | 8   | 6   | 5   | 4   | /   |
|           |                            |          |          |             |                                                               |                                                                                                                                                                                                        | 11                        | 6   | 6    | 6   | 6    | 3   | 2   | 1   | 1   | /   |
|           |                            |          |          |             |                                                               |                                                                                                                                                                                                        | 66                        | 36  | 36   | 32  | 32   | 12  | 10  | 8   | 3   | /   |
|           |                            |          |          |             |                                                               |                                                                                                                                                                                                        | 11                        | 6   | 6    | 6   | 6    | 3   | 2   | 1   | 1   | /   |
|           |                            |          |          |             |                                                               |                                                                                                                                                                                                        | 30                        | 18  | 18   | 14  | 14   | 6   | 4   | 3   | 3   | /   |
|           |                            |          |          |             |                                                               |                                                                                                                                                                                                        | 12                        | 8   | 8    | 6   | 6    | 3   | 2   | 1   | 1   | /   |
|           |                            |          |          |             |                                                               |                                                                                                                                                                                                        | 18                        | 10  | 10   | 8   | 8    | 5   | 3   | 2   | 2   | /   |
|           |                            |          |          |             |                                                               |                                                                                                                                                                                                        | 12                        | 8   | 8    | 6   | 6    | 3   | 2   | 1   | 1   | /   |
|           |                            |          |          |             |                                                               |                                                                                                                                                                                                        | 26                        | 18  | 18   | 14  | 14   | 8   | 3   | 3   | 2   | 2   |
|           |                            |          |          |             |                                                               |                                                                                                                                                                                                        | 28                        | 18  | 18   | 15  | 15   | 8   | 5   | 3   | 2   | 2   |
|           |                            |          |          |             |                                                               |                                                                                                                                                                                                        | 50                        | 27  | 27   | 24  | 24   | 12  | 8   | 3   | 3   | 3   |
|           |                            |          |          |             |                                                               |                                                                                                                                                                                                        | 26                        | 18  | 18   | 10  | 10   | 8   | 4   | 2   | 2   | 2   |
|           |                            |          |          |             |                                                               |                                                                                                                                                                                                        | 52                        | 33  | 33   | 27  | 27   | 14  | 10  | 5   | 4   | 3   |
|           |                            |          |          |             |                                                               |                                                                                                                                                                                                        | 26                        | 18  | 18   | 10  | 10   | 8   | 4   | 2   | 2   | 2   |
|           |                            |          |          |             |                                                               |                                                                                                                                                                                                        | 64                        | 39  | 39   | 29  | 29   | 18  | 13  | 7   | 5   | 4   |
|           |                            |          |          |             |                                                               |                                                                                                                                                                                                        | 26                        | 18  | 18   | 10  | 10   | 8   | 4   | 2   | 2   | 2   |
|           |                            |          |          |             |                                                               |                                                                                                                                                                                                        | 64                        | 39  | 39   | 29  | 29   | 18  | 13  | 7   | 5   | 4   |
|           |                            |          |          |             |                                                               |                                                                                                                                                                                                        | 40                        | 27  | 27   | 17  | 17   | 12  | 6   | 4   | 3   | 3   |
|           |                            |          |          |             |                                                               |                                                                                                                                                                                                        | 96                        | 60  | 60   | 46  | 46   | 24  | 14  | 8   | 6   | 6   |
|           |                            |          |          |             |                                                               |                                                                                                                                                                                                        | 38                        | 26  | 26   | 17  | 17   | 11  | 5   | 3   | 3   | 2   |

外形尺寸 Outline Drawing



防爆接线箱（盒）  
Explosion-proof Junction Box



→ BST5120E系列 Series

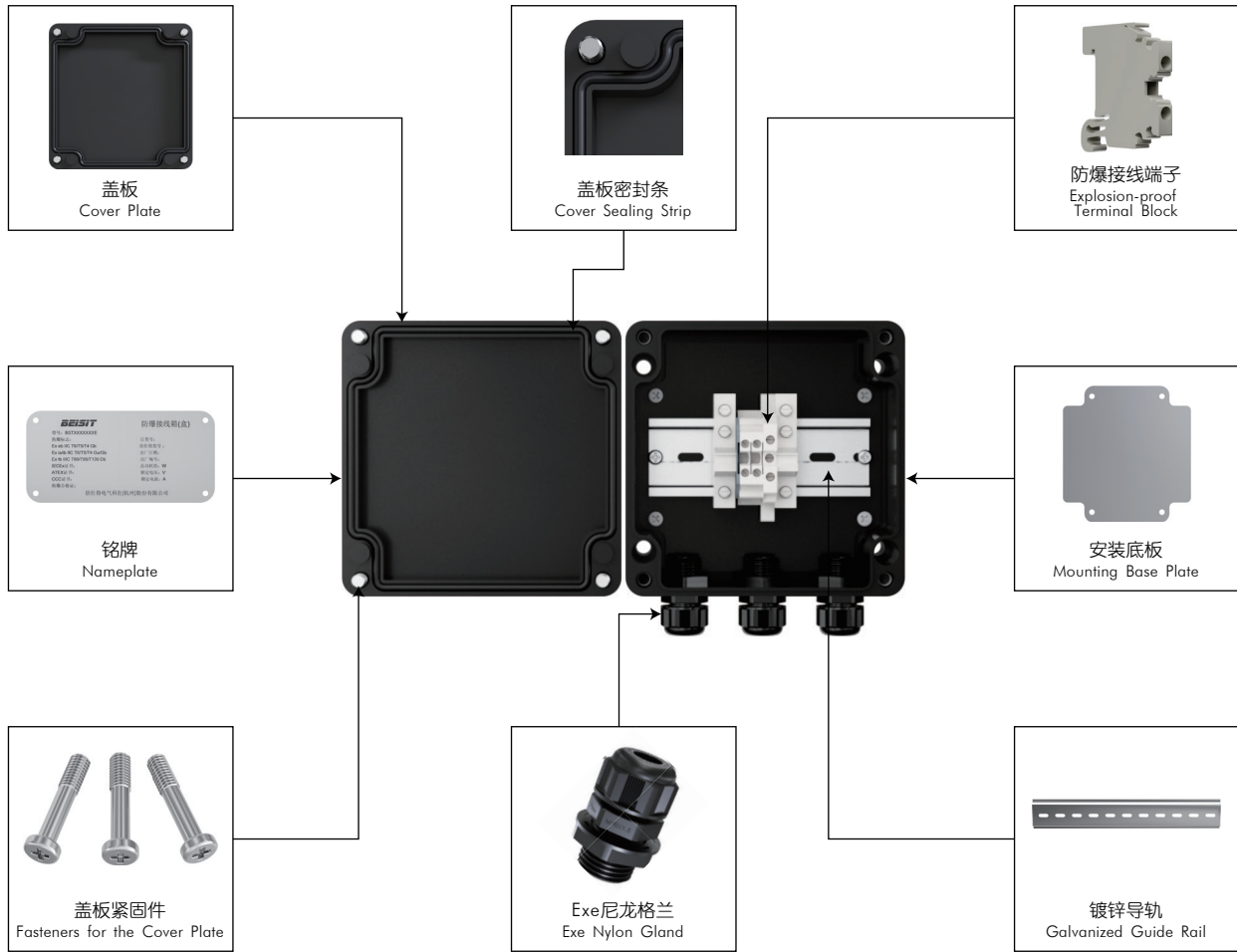
IEC Ex

ATEX

CCC

RoHS

REACH



产品描述 Product Description

1. 外壳采用耐冲击的玻璃纤维增强聚酯材料制成，外露紧固件为不锈钢材质。

2. 组成部分：安装底板、盖板紧固件、盖板密封条、铭牌  
(防爆接线端子、防爆呼吸阀、防爆电缆固定头、导轨可根据客户要求配置，客户也可自购自装)。
1. The enclosure is made of impact-resistant glass fiber reinforced polyester material, and the exposed fasteners are made of stainless steel.

2. Components: Installation base plate, cover fasteners, cover sealing strip, nameplate  
(Explosion-proof terminal blocks, explosion-proof breather valves, explosion-proof cable glands, and guide rails can be configured according to customer requirements. Customers can also purchase and install them by themselves.)

产品FAB The FAB of the Product

|              |                                                                                                                                                                                                                                                                                                                                                               |
|--------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 特点 Features  | 工作环境温度 Working environment temperature: -55℃~+130℃, 测试温度 Testing temperature: -60℃~+150℃<br>防爆接线箱带本安型认证 The explosion-proof junction box has intrinsic safety type certification, Ex ib IIC T6/T5/T4 Gb<br>防护等级 IP Rating: IP66<br>可配金属防爆电缆固定头，带黄铜板接地板，接地螺钉<br>Optional: Explosion-proof metal cable glands, brass grounding plate, and grounding screws.     |
| 优点 Advantage | 国内外证书齐全：IECEX、ATEX、CCC、防爆合格证。<br>It has a full range of domestic and foreign certificates, such as IECEx, ATEX, CCC and Explosion-proof Certificate.<br>规格种类齐全，一共有21种规格，最小规格是80x75x75mm，最大规格是810x400x210mm。<br>There are 21 specifications in total, ranging from the smallest 80x75x75mm (unit unspecified) to the largest 810x400x210mm (unit unspecified). |
| 价值 Benefit   | 产品系列齐全，根据客户需求，可选最具性价比的产品。<br>There is a complete product series. According to customers' needs, the most cost-effective products can be selected.                                                                                                                                                                                                             |

防爆接线箱（盒）  
Explosion-proof Junction Box



→ BST5120E系列 Series



适用范围 Application Scope: 爆炸性气体环境0区、1区、2区；爆炸性粉尘环境21区、22区  
Zone 0, Zone 1 and Zone 2 in Explosive Gas Atmospheres;  
Zone 21 and Zone 22 in Explosive Dust Atmospheres.

防护等级 IP Rating: IP66

抗冲击性能 Impact Resistance: 7J

使用环境温度 Ambient Temperature: -55℃≤Ta≤+40℃/+55℃/+60℃

材料 Material: 玻璃纤维增强聚酯 Glass Fiber Reinforced Polyester



认证数据 Authentication Certificate

| 认证类别 Certification Category | 防爆标志 Ex-Mark                                                                                                                                    | 认证类别 Certification Category          | 防爆标志 Ex-Mark                                                                                                |
|-----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|-------------------------------------------------------------------------------------------------------------|
| IECEx证书 Certificate         | Ex eb IIC T6/T5/T4 Gb<br>Ex ia IIC T6/T5/T4 Ga<br>Ex ib IIC T6/T5/T4 Gb<br>Ex tb IIIC T80 C/T95 C/T130 C Db                                     | CCC证书 Certificate                    | Ex eb IIC T6/T5/T4 Gb<br>Ex ia IIC T6/T5/T4 Ga<br>Ex ib IIC T6/T5/T4 Gb<br>Ex tb IIIC T80 C/T95 C/T130 C Db |
| ATEX证书 Certificate          | Ⓔ II 2 G Ex eb IIC T6/T5/T4 Gb<br>Ⓔ II 1 G Ex ia IIC T6/T5/T4 Ga<br>Ⓔ II 2 G Ex ib IIC T6/T5/T4 Gb<br>Ⓔ II 2 D Ex tb IIIC T80 C/T95 C/T130 C Db | 防爆合格证<br>Explosion-proof Certificate | Ex eb IIC T6/T5/T4 Gb<br>Ex ia IIC T6/T5/T4 Ga<br>Ex ib IIC T6/T5/T4 Gb<br>Ex tb IIIC T80 C/T95 C/T130 C Db |

组件数据—标配 Component Data-Standard

| 图样<br>Pattern | 名称<br>Item                             | 材料<br>Material                 |
|---------------|----------------------------------------|--------------------------------|
|               | 安装底板<br>Mounting Base Plate            | 镀锌钢板<br>Galvanized Steel Sheet |
|               | 盖板紧固件<br>Fasteners for the Cover Plate | 304不锈钢<br>Stainless Steel      |
|               | 盖板密封条<br>Cover Sealing Strip           | 硅胶<br>Silicone                 |
|               | 铭牌<br>Nameplate                        | 304不锈钢<br>Stainless Steel      |

组件数据—选配 Component Data-Optional

| 图样<br>Pattern | 名称<br>Item                               | 材料<br>Material                 |
|---------------|------------------------------------------|--------------------------------|
|               | 安装导轨<br>Installation Guide Rail          | 镀锌钢板<br>Galvanized Steel Sheet |
|               | 防爆接线端子<br>Explosion-proof Terminal Block | PA                             |
|               | 防爆电缆固定头<br>Explosion-proof Cable Gland   | PA尼龙<br>PA Nylon               |
|               |                                          |                                |



防爆接线箱（盒）  
Explosion-proof Junction Box

→ BST5120E系列 Series



耗散功率数据 Dissipation Power Meter

| 序号<br>No. | 型号<br>Model | 最大耗散功率(W)<br>Maximum Dissipation Power | 箱体外形尺寸 Box Dimensions (mm) |          |          |
|-----------|-------------|----------------------------------------|----------------------------|----------|----------|
|           |             |                                        | 长 long A                   | 宽 wide B | 高 high C |
| 1         | BST5120011E | 0.53                                   | 80                         | 75       | 75       |
| 2         | BST5120021E | 1.55                                   | 110                        | 75       | 75       |
| 3         | BST5120031E | 2.41                                   | 160                        | 75       | 75       |
| 4         | BST5120041E | 3.46                                   | 190                        | 75       | 75       |
| 5         | BST5120051E | 4.79                                   | 230                        | 78       | 78       |
| 6         | BST5120061E | 2.09                                   | 122                        | 120      | 91       |
| 7         | BST5120071E | 6.99                                   | 220                        | 120      | 91       |
| 8         | BST5120081E | 3.81                                   | 160                        | 160      | 91       |
| 9         | BST5120091E | 7.79                                   | 260                        | 160      | 91       |
| 10        | BST5120101E | 32.50                                  | 360                        | 360      | 91       |
| 11        | BST5120111E | 26.70                                  | 560                        | 160      | 91       |
| 12        | BST5120121E | 13.39                                  | 360                        | 160      | 91       |
| 13        | BST5120131E | 12.58                                  | 255                        | 250      | 121      |
| 14        | BST5120141E | 26.99                                  | 400                        | 250      | 121      |
| 15        | BST5120151E | 47.43                                  | 600                        | 250      | 121      |
| 16        | BST5120161E | 14.86                                  | 255                        | 250      | 161      |
| 17        | BST5120171E | 32.14                                  | 400                        | 250      | 161      |
| 18        | BST5120181E | 48.51                                  | 405                        | 400      | 201      |
| 19        | BST5120191E | 48.49                                  | 400                        | 400      | 210      |
| 20        | BST5120201E | 3.64                                   | 160                        | 160      | 120      |
| 21        | BST5120211E | 43.01                                  | 810                        | 400      | 210      |



防爆接线箱（盒）  
Explosion-proof Junction Box



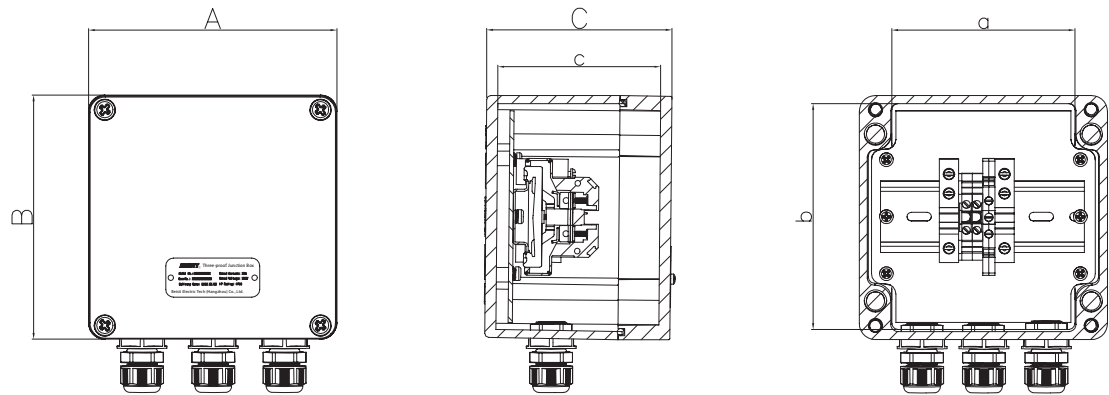
→ BST5120E系列 Series



开孔数据 Hole Opening Data

| 序号<br>No. | 箱体外形尺寸 Box Dimensions (mm) |          |          | 型号<br>Model | 开孔区域到箱<br>体边最小距离<br>Min. dist. from<br>opening area<br>to box edge<br>(mm) | 电缆固定头安装面<br>Cable gland<br>mount surface<br>F<br>D  E | 电缆固定头型号 Cable Gland Model |           |           |           |           |          |          |          |         |         |
|-----------|----------------------------|----------|----------|-------------|----------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|---------------------------|-----------|-----------|-----------|-----------|----------|----------|----------|---------|---------|
|           | 长 long A                   | 宽 wide B | 高 high C |             |                                                                            |                                                                                                                                        | M12                       | M16       | M16B      | M20       | M20B      | M25      | M32      | M40      | M50     | M63     |
| 1         | 80                         | 75       | 75       | BST5120011E | 最小距离≥3                                                                     | D/E<br>F/G                                                                                                                             | 5<br>2                    | 4<br>1    | 4<br>1    | 1<br>1    | 1<br>1    | 1<br>/   | 1<br>/   | 1<br>/   | /       | /       |
| 2         | 110                        | 75       | 75       | BST5120021E |                                                                            |                                                                                                                                        | 17<br>2                   | 10<br>1   | 10<br>1   | 11<br>1   | 11<br>1   | /        | 2<br>/   | 2<br>/   | /       | /       |
| 3         | 160                        | 75       | 75       | BST5120031E |                                                                            |                                                                                                                                        | 20<br>2                   | 12<br>1   | 12<br>1   | 5<br>1    | 5<br>1    | 4<br>/   | 3<br>/   | 2<br>/   | /       | /       |
| 4         | 190                        | 75       | 75       | BST5120041E |                                                                            |                                                                                                                                        | 11<br>8                   | 8<br>5    | 8<br>5    | 5<br>3    | 5<br>3    | 2<br>1   | 1<br>1   | 1<br>1   | /       | /       |
| 5         | 230                        | 75       | 75       | BST5120051E |                                                                            |                                                                                                                                        | 23<br>8                   | 14<br>5   | 14<br>5   | 12<br>3   | 12<br>3   | 4<br>2   | 3<br>1   | 3<br>1   | 2<br>/  | /       |
| 6         | 122                        | 120      | 91       | BST5120061E |                                                                            |                                                                                                                                        | 15<br>8                   | 11<br>6   | 11<br>6   | 8<br>5    | 8<br>5    | 3<br>2   | 2<br>1   | 2<br>1   | 1<br>/  | /       |
| 7         | 220                        | 120      | 91       | BST5120071E |                                                                            |                                                                                                                                        | 27<br>8                   | 16<br>6   | 16<br>6   | 14<br>5   | 14<br>5   | 5<br>2   | 4<br>1   | 3<br>1   | 3<br>1  | /       |
| 8         | 160                        | 160      | 91       | BST5120081E |                                                                            |                                                                                                                                        | 42<br>8                   | 24<br>6   | 24<br>6   | 20<br>5   | 20<br>5   | 8<br>2   | 6<br>1   | 5<br>1   | 4<br>1  | /       |
| 9         | 260                        | 160      | 91       | BST5120091E |                                                                            |                                                                                                                                        | 69<br>8                   | 40<br>6   | 40<br>6   | 34<br>5   | 34<br>5   | 13<br>2  | 10<br>1  | 8<br>1   | 7<br>1  | /       |
| 10        | 360                        | 360      | 91       | BST5120101E |                                                                            |                                                                                                                                        | 36<br>27                  | 32<br>18  | 32<br>18  | 21<br>10  | 21<br>10  | 10<br>8  | 8<br>3   | 3<br>2   | 3<br>2  | 2       |
| 11        | 560                        | 160      | 91       | BST5120111E |                                                                            |                                                                                                                                        | 96<br>27                  | 60<br>18  | 60<br>18  | 54<br>10  | 54<br>10  | 24<br>8  | 20<br>3  | 8<br>2   | 6<br>2  | 6       |
| 12        | 360                        | 160      | 91       | BST5120121E |                                                                            |                                                                                                                                        | 36<br>27                  | 32<br>18  | 32<br>18  | 21<br>10  | 21<br>10  | 10<br>8  | 8<br>3   | 3<br>2   | 3<br>2  | 2       |
| 13        | 255                        | 250      | 121      | BST5120131E |                                                                            |                                                                                                                                        | 60<br>27                  | 39<br>18  | 39<br>18  | 22<br>10  | 22<br>10  | 16<br>8  | 6<br>3   | 5<br>2   | 4<br>2  | 4       |
| 14        | 400                        | 250      | 121      | BST5120141E |                                                                            |                                                                                                                                        | 105<br>98                 | 78<br>72  | 78<br>72  | 55<br>50  | 55<br>50  | 32<br>32 | 18<br>18 | 10<br>10 | 8<br>8  | 8       |
| 15        | 600                        | 250      | 121      | BST5120151E |                                                                            |                                                                                                                                        | 8<br>2                    | 6<br>1    | 6<br>1    | 4<br>1    | 4<br>1    | 2<br>/   | 1<br>/   | 1<br>/   | /       | /       |
| 16        | 255                        | 250      | 161      | BST5120161E |                                                                            |                                                                                                                                        | 22<br>2                   | 16<br>1   | 16<br>1   | 10<br>1   | 10<br>1   | 6<br>/   | 4<br>/   | 2<br>/   | /       | /       |
| 17        | 400                        | 250      | 161      | BST5120171E |                                                                            |                                                                                                                                        | 52<br>8                   | 35<br>6   | 35<br>6   | 18<br>5   | 18<br>5   | 8<br>2   | 6<br>1   | 5<br>1   | 4<br>1  | /       |
| 18        | 405                        | 400      | 201      | BST5120181E |                                                                            |                                                                                                                                        | 105<br>98                 | 78<br>72  | 78<br>72  | 55<br>50  | 55<br>50  | 32<br>32 | 18<br>18 | 10<br>10 | 8<br>8  | 8       |
| 19        | 400                        | 400      | 210      | BST5120191E |                                                                            |                                                                                                                                        | 105<br>98                 | 78<br>72  | 78<br>72  | 55<br>50  | 55<br>50  | 32<br>32 | 18<br>18 | 10<br>10 | 8<br>8  | 8       |
| 20        | 160                        | 160      | 120      | BST5120201E |                                                                            |                                                                                                                                        | 15<br>8                   | 15<br>6   | 11<br>6   | 11<br>5   | 8<br>5    | 8<br>2   | 3<br>1   | 2<br>1   | 2<br>1  | /       |
| 21        | 810                        | 400      | 210      | BST5120211E |                                                                            |                                                                                                                                        | 196<br>98                 | 132<br>72 | 132<br>72 | 100<br>50 | 100<br>50 | 56<br>32 | 32<br>18 | 20<br>10 | 16<br>8 | 12<br>8 |

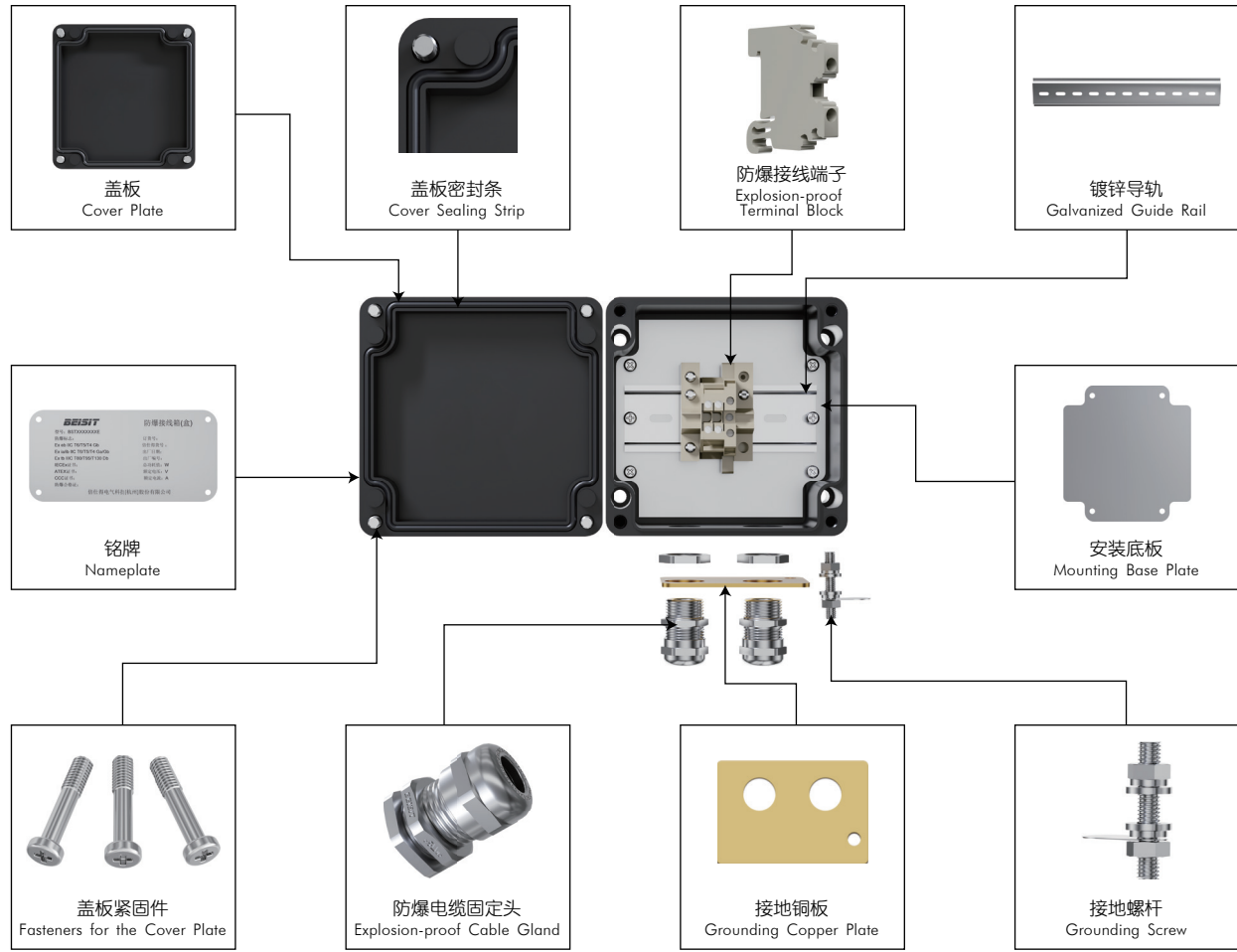
外形尺寸 Outline Drawing



防爆接线箱（盒）  
Explosion-proof Junction Box



→ BST5120带接地板系列 (With Flange Plate) Series



产品描述 Product Description

- 外壳采用耐冲击的玻璃纤维增强聚酯材料制成，外露紧固件为不锈钢材质。
- 组成部分：安装底板、盖板紧固件、盖板密封条、铭牌  
(防爆接线端子、防爆呼吸阀、接地标识、接地铜板、防爆电缆固定头、导轨可根据客户要求配置，客户也可自购自装)。
- 选用金属格兰时应按照认证要求配置：接地铜板、接地螺杆、接地标识。
  - The enclosure is made of impact-resistant glass fiber reinforced polyester, and the exposed fasteners are made of stainless steel.
  - Components: Installation base plate, cover fasteners, cover sealing strip, nameplate.  
(Explosion-proof terminal blocks, explosion-proof breather valves, grounding signs, grounding copper plates, explosion-proof cable glands, and guide rails can be configured according to customer requirements. Customers can also purchase and install them by themselves.)
  - When selecting metal cable glands, the grounding copper plate, grounding screw and grounding sign shall be configured in accordance with the certification requirements.

产品FAB The FAB of the Product

特点 Features

工作环境温度 Working environment temperature: -55℃~+130℃, 测试温度 Testing temperature: -60℃~+150℃  
防爆接线箱带本安型认证 The explosion-proof junction box has intrinsic safety type certification, Ex ib IIC T6/T5/T4 Gb  
防护等级 IP Rating: IP66  
可配金属防爆电缆固定头，带黄铜板接地板，接地螺钉  
Optional: Explosion-proof metal cable glands, brass grounding plate, and grounding screws.

优点 Advantage

国内外证书齐全：IECEX、ATEX、CCC、防爆合格证。  
It has a full range of domestic and foreign certificates, such as IECEX, ATEX, CCC and Explosion-proof Certificate.  
规格种类齐全，一共有21种规格，最小规格是80x75x75mm，最大规格是810x400x210mm。  
There are 21 specifications in total, ranging from the smallest 80x75x75mm (unit unspecified) to the largest 810x400x210mm (unit unspecified).

价值 Benefit

产品系列齐全，根据客户需求，可选最具性价比的产品。  
There is a complete product series. According to customers' needs, the most cost-effective products can be selected.

防爆接线箱（盒）  
Explosion-proof Junction Box



→ BST5120带接地板系列 (With Flange Plate) Series



适用范围 Application Scope: 爆炸性气体环境0区、1区、2区；爆炸性粉尘环境21区、22区  
Zone 0, Zone 1 and Zone 2 in Explosive Gas Atmospheres;  
Zone 21 and Zone 22 in Explosive Dust Atmospheres.

防护等级 IP Rating : IP66

抗冲击性能 Impact resistance: 7J

使用环境温度 Ambient Temperature: -55℃≤Ta≤+40℃/+55℃/+60℃

材料 Material: 玻璃纤维增强聚酯 Glass Fiber Reinforced Polyester



认证数据 Authentication Certificate

| 认证类别 Certification Category | 防爆标志 Ex-Mark                                                                                                                                    | 认证类别 Certification Category          | 防爆标志 Ex-Mark                                                                                                |
|-----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|-------------------------------------------------------------------------------------------------------------|
| IECEx证书 Certificate         | Ex eb IIC T6/T5/T4 Gb<br>Ex ia IIC T6/T5/T4 Ga<br>Ex ib IIC T6/T5/T4 Gb<br>Ex tb IIIC T80 C/T95 C/T130 C Db                                     | CCC证书 Certificate                    | Ex eb IIC T6/T5/T4 Gb<br>Ex ia IIC T6/T5/T4 Ga<br>Ex ib IIC T6/T5/T4 Gb<br>Ex tb IIIC T80 C/T95 C/T130 C Db |
| ATEX证书 Certificate          | Ⓔ II 2 G Ex eb IIC T6/T5/T4 Gb<br>Ⓔ II 1 G Ex ia IIC T6/T5/T4 Ga<br>Ⓔ II 2 G Ex ib IIC T6/T5/T4 Gb<br>Ⓔ II 2 D Ex tb IIIC T80 C/T95 C/T130 C Db | 防爆合格证<br>Explosion-proof Certificate | Ex eb IIC T6/T5/T4 Gb<br>Ex ia IIC T6/T5/T4 Ga<br>Ex ib IIC T6/T5/T4 Gb<br>Ex tb IIIC T80 C/T95 C/T130 C Db |

组件数据—标配 Component Data-Standard

| 图样<br>Pattern | 名称<br>Item                             | 材料<br>Material                 |
|---------------|----------------------------------------|--------------------------------|
|               | 安装底板<br>Mounting Base Plate            | 镀锌钢板<br>Galvanized Steel Sheet |
|               | 盖板紧固件<br>Fasteners for the Cover Plate | 304不锈钢<br>Stainless Steel      |
|               | 盖板密封条<br>Cover Sealing Strip           | 硅胶<br>Silicone                 |
|               | 铭牌<br>Nameplate                        | 304不锈钢<br>Stainless Steel      |

组件数据—选配 Component Data-Optional

| 图样<br>Pattern | 名称<br>Item                               | 材料<br>Material                               |
|---------------|------------------------------------------|----------------------------------------------|
|               | 安装导轨<br>Installation Guide Rail          | 镀锌钢板<br>Galvanized Steel Sheet               |
|               | 防爆接线端子<br>Explosion-proof Terminal Block | PA                                           |
|               | 防爆电缆固定头<br>Explosion-proof Cable Gland   | 金属<br>Metal                                  |
|               | 防爆呼吸阀<br>Explosion-proof Breather Valve  | 金属<br>Metal                                  |
|               | 接地铜板<br>Grounding Copper Plate           | 黄铜<br>Brass                                  |
|               | 接地螺杆<br>Grounding Screw                  | 304<br>316<br>316L<br>不锈钢<br>Stainless Steel |

防爆接线箱（盒）  
Explosion-proof Junction Box



→ BST5120带接地板系列 (With Flange Plate) Series



耗散功率数据 Dissipation Power Meter

| 序号<br>No. | 型号<br>Model | 最大耗散功率(W)<br>Maximum Dissipation Power | 箱体外形尺寸 Box Dimensions (mm) |          |          |
|-----------|-------------|----------------------------------------|----------------------------|----------|----------|
|           |             |                                        | 长 long A                   | 宽 wide B | 高 high C |
| 1         | BST5120011E | 0.53                                   | 80                         | 75       | 75       |
| 2         | BST5120021E | 1.55                                   | 110                        | 75       | 75       |
| 3         | BST5120031E | 2.41                                   | 160                        | 75       | 75       |
| 4         | BST5120041E | 3.46                                   | 190                        | 75       | 75       |
| 5         | BST5120051E | 4.79                                   | 230                        | 78       | 78       |
| 6         | BST5120061E | 2.09                                   | 122                        | 120      | 91       |
| 7         | BST5120071E | 6.99                                   | 220                        | 120      | 91       |
| 8         | BST5120081E | 3.81                                   | 160                        | 160      | 91       |
| 9         | BST5120091E | 7.79                                   | 260                        | 160      | 91       |
| 10        | BST5120101E | 32.50                                  | 360                        | 360      | 91       |
| 11        | BST5120111E | 26.70                                  | 560                        | 160      | 91       |
| 12        | BST5120121E | 13.39                                  | 360                        | 160      | 91       |
| 13        | BST5120131E | 12.58                                  | 255                        | 250      | 121      |
| 14        | BST5120141E | 26.99                                  | 400                        | 250      | 121      |
| 15        | BST5120151E | 47.43                                  | 600                        | 250      | 121      |
| 16        | BST5120161E | 14.86                                  | 255                        | 250      | 161      |
| 17        | BST5120171E | 32.14                                  | 400                        | 250      | 161      |
| 18        | BST5120181E | 48.51                                  | 405                        | 400      | 201      |
| 19        | BST5120191E | 48.49                                  | 400                        | 400      | 210      |
| 20        | BST5120201E | 3.64                                   | 160                        | 160      | 120      |
| 21        | BST5120211E | 43.01                                  | 810                        | 400      | 210      |



防爆接线箱（盒）  
Explosion-proof Junction Box



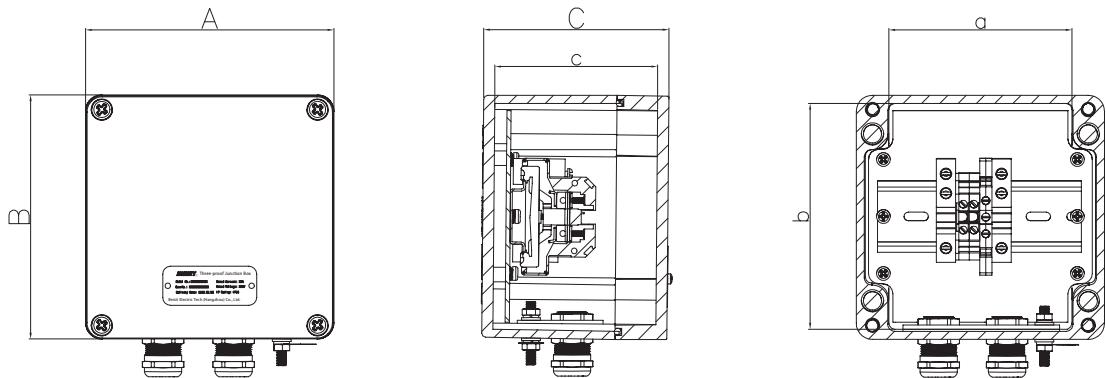
→ BST5120带接地板系列 (With Flange Plate) Series



开孔数据 Hole Opening Data

| 序号<br>No. | 箱体外形尺寸 Box Dimensions (mm) |          |          | 型号<br>Model | 开孔区域到箱体边最小距离<br>Min. dist. from opening area to box edge (mm) | 电缆固定头安装面<br>Cable gland mount surface<br>F<br>D  E | 电缆固定头型号 Cable Gland Model |           |           |           |           |          |          |          |         |         |
|-----------|----------------------------|----------|----------|-------------|---------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|---------------------------|-----------|-----------|-----------|-----------|----------|----------|----------|---------|---------|
|           | 长 long A                   | 宽 wide B | 高 high C |             |                                                               |                                                                                                                                     | M12                       | M16       | M16B      | M20       | M20B      | M25      | M32      | M40      | M50     | M63     |
| 1         | 80                         | 75       | 75       | BST5120011E | 最小距离≥3                                                        | D/E<br>F/G                                                                                                                          | 5<br>2                    | 4<br>1    | 4<br>1    | 1<br>1    | 1<br>1    | 1<br>1   | 1<br>1   | 1<br>1   | /       | /       |
| 2         | 110                        | 75       | 75       | BST5120021E |                                                               |                                                                                                                                     | 17<br>2                   | 10<br>1   | 10<br>1   | 11<br>1   | 11<br>1   | 3<br>1   | 2<br>1   | 2<br>1   | /       | /       |
| 3         | 160                        | 75       | 75       | BST5120031E |                                                               |                                                                                                                                     | 20<br>2                   | 12<br>1   | 12<br>1   | 5<br>1    | 5<br>1    | 4<br>1   | 3<br>1   | 2<br>1   | /       | /       |
| 4         | 190                        | 75       | 75       | BST5120041E |                                                               |                                                                                                                                     | 11<br>8                   | 8<br>5    | 8<br>5    | 5<br>3    | 5<br>3    | 2<br>1   | 1<br>1   | 1<br>1   | /       | /       |
| 5         | 230                        | 75       | 75       | BST5120051E |                                                               |                                                                                                                                     | 23<br>8                   | 14<br>5   | 14<br>5   | 12<br>3   | 12<br>3   | 4<br>2   | 3<br>1   | 3<br>1   | 2<br>1  | /       |
| 6         | 122                        | 120      | 91       | BST5120061E |                                                               |                                                                                                                                     | 15<br>8                   | 11<br>6   | 11<br>6   | 8<br>5    | 8<br>5    | 3<br>2   | 2<br>1   | 2<br>1   | 1<br>1  | /       |
| 7         | 220                        | 120      | 91       | BST5120071E |                                                               |                                                                                                                                     | 27<br>8                   | 16<br>6   | 16<br>6   | 14<br>5   | 14<br>5   | 4<br>2   | 5<br>1   | 4<br>1   | 3<br>1  | /       |
| 8         | 160                        | 160      | 91       | BST5120081E |                                                               |                                                                                                                                     | 42<br>8                   | 24<br>6   | 24<br>6   | 20<br>5   | 20<br>5   | 8<br>2   | 6<br>1   | 5<br>1   | 4<br>1  | /       |
| 9         | 260                        | 160      | 91       | BST5120091E |                                                               |                                                                                                                                     | 69<br>8                   | 40<br>6   | 40<br>6   | 34<br>5   | 34<br>5   | 13<br>2  | 10<br>1  | 8<br>1   | 7<br>1  | /       |
| 10        | 360                        | 360      | 91       | BST5120101E |                                                               |                                                                                                                                     | 36<br>27                  | 32<br>18  | 32<br>18  | 21<br>10  | 21<br>10  | 10<br>8  | 8<br>3   | 3<br>2   | 3<br>2  | 2<br>2  |
| 11        | 560                        | 160      | 91       | BST5120111E |                                                               |                                                                                                                                     | 96<br>27                  | 60<br>18  | 60<br>18  | 54<br>10  | 54<br>10  | 24<br>8  | 20<br>3  | 8<br>2   | 6<br>2  | 6<br>2  |
| 12        | 360                        | 160      | 91       | BST5120121E |                                                               |                                                                                                                                     | 36<br>27                  | 32<br>18  | 32<br>18  | 21<br>10  | 21<br>10  | 10<br>8  | 8<br>3   | 3<br>2   | 3<br>2  | 2<br>2  |
| 13        | 255                        | 250      | 121      | BST5120131E |                                                               |                                                                                                                                     | 60<br>27                  | 39<br>18  | 39<br>18  | 22<br>10  | 22<br>10  | 16<br>8  | 6<br>3   | 5<br>2   | 4<br>2  | 4<br>2  |
| 14        | 400                        | 250      | 121      | BST5120141E |                                                               |                                                                                                                                     | 105<br>98                 | 78<br>72  | 78<br>72  | 55<br>50  | 55<br>50  | 32<br>32 | 18<br>18 | 10<br>10 | 8<br>8  | 8<br>8  |
| 15        | 600                        | 250      | 121      | BST5120151E |                                                               |                                                                                                                                     | 8<br>2                    | 6<br>1    | 6<br>1    | 4<br>1    | 4<br>1    | 2<br>1   | 1<br>1   | 1<br>1   | /       | /       |
| 16        | 255                        | 250      | 161      | BST5120161E |                                                               |                                                                                                                                     | 22<br>2                   | 16<br>1   | 16<br>1   | 10<br>1   | 10<br>1   | 6<br>1   | 4<br>1   | 2<br>1   | /       | /       |
| 17        | 400                        | 250      | 161      | BST5120171E |                                                               |                                                                                                                                     | 52<br>8                   | 35<br>6   | 35<br>6   | 18<br>5   | 18<br>5   | 8<br>2   | 6<br>1   | 5<br>1   | 4<br>1  | /       |
| 18        | 405                        | 400      | 201      | BST5120181E |                                                               |                                                                                                                                     | 105<br>98                 | 78<br>72  | 78<br>72  | 55<br>50  | 55<br>50  | 32<br>32 | 18<br>18 | 10<br>10 | 8<br>8  | 8<br>8  |
| 19        | 400                        | 400      | 210      | BST5120191E |                                                               |                                                                                                                                     | 105<br>98                 | 78<br>72  | 78<br>72  | 55<br>50  | 55<br>50  | 32<br>32 | 18<br>18 | 10<br>10 | 8<br>8  | 8<br>8  |
| 20        | 160                        | 160      | 120      | BST5120201E |                                                               |                                                                                                                                     | 15<br>8                   | 15<br>6   | 11<br>6   | 11<br>5   | 8<br>5    | 8<br>2   | 3<br>1   | 2<br>1   | 2<br>1  | /       |
| 21        | 810                        | 400      | 210      | BST5120211E |                                                               |                                                                                                                                     | 196<br>98                 | 132<br>72 | 132<br>72 | 100<br>50 | 100<br>50 | 56<br>32 | 32<br>18 | 20<br>10 | 16<br>8 | 12<br>8 |

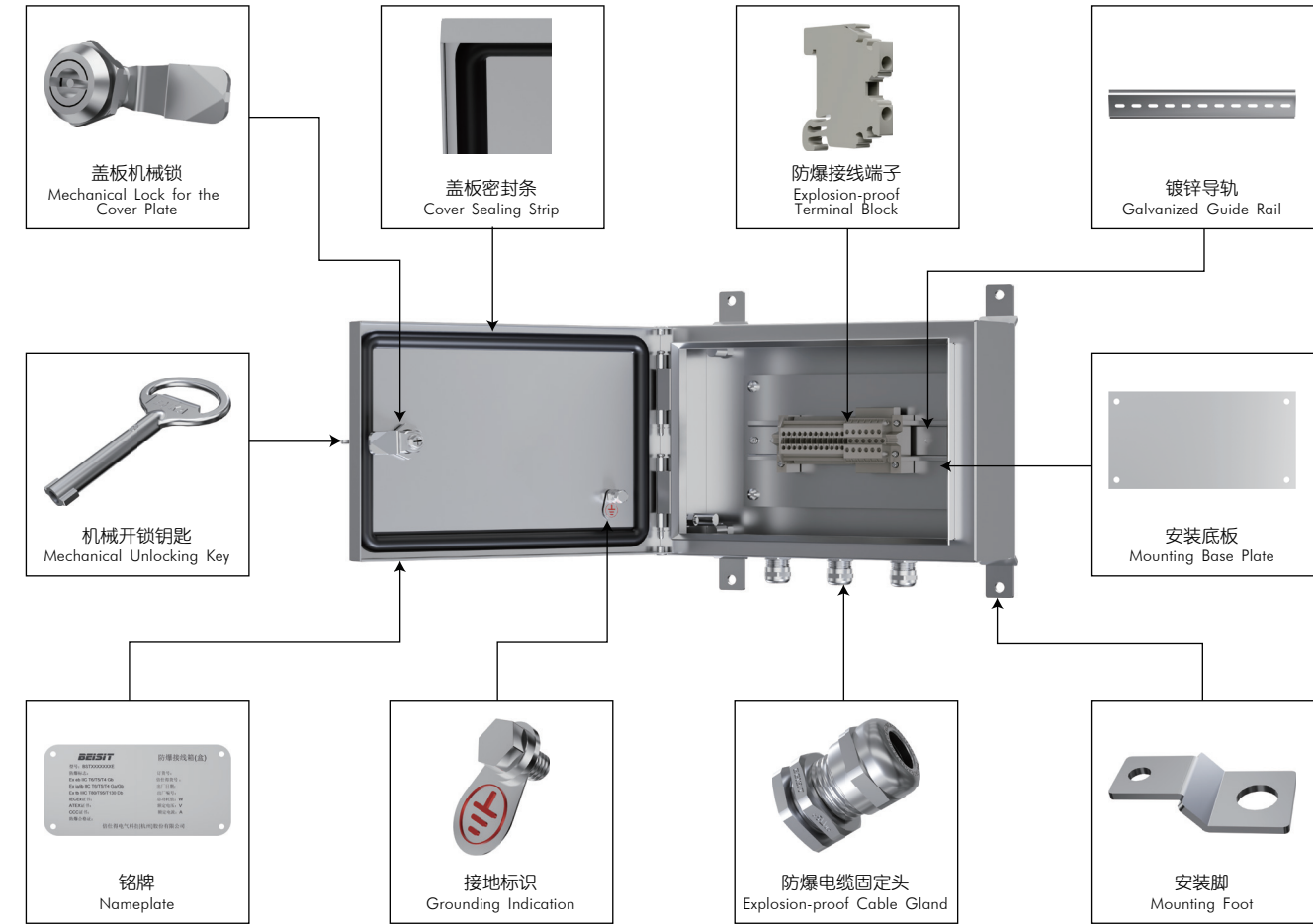
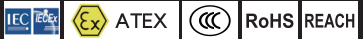
外形尺寸 Outline Drawing



防爆接线箱（盒）  
Explosion-proof Junction Box



→ BST5130E系列 Series



产品描述 Product Description

1. 外壳采用不锈钢(304、316、316L)外露紧固件为不锈钢。
  2. 组成部分：安装底板、安装脚、接地标识、盖板紧固件、盖板密封条、铭牌（防爆接线端子、防爆呼吸阀、防爆电缆固定头、导轨可根据客户要求配置，客户也可自购自装）。
  3. 可选装带格兰板认证的箱体结构，格兰孔可根据用户情况自定开孔，方便现场施工维护。
1. The enclosure is made of stainless steel (304, 316, 316L), and the exposed fasteners are also made of stainless steel.
2. Components: Installation base plate, mounting feet, grounding sign, cover fasteners, cover sealing strip, nameplate. (Explosion-proof terminal blocks, explosion-proof breather valves, explosion-proof cable glands, and guide rails can be configured according to customer requirements. Customers can also purchase and install them on their own.)
3. Optional certified gland plate structure: Gland holes can be custom-drilled according to user specifications, facilitating on-site installation and maintenance.

产品FAB The FAB of the Product

|              |                                                                                                                                                                                                                                                                                                                                                                       |
|--------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 特点 Features  | 工作环境温度 Working environment temperature: -55℃~+130℃, 测试温度 Testing temperature: -60℃~+150℃<br>防爆接线箱带本安型认证 The explosion-proof junction box has intrinsic safety type certification, Ex ib IIC T6/T5/T4 Gb<br>防护等级 IP Rating: IP66<br>密封条可以选用PU发泡、平板硅胶、硅胶发泡<br>The sealing strips can be selected from PU foam, flat silicone rubber, and silicone foam.                 |
| 优点 Advantage | 国内外证书齐全：IECEX、ATEX、CCC、防爆合格证。<br>It has a full range of domestic and foreign certificates, such as IECEX, ATEX, CCC and Explosion-proof Certificate.<br>规格种类齐全，一共有17种规格，最小规格是100x100x60mm，最大规格是1200x1200x400mm。<br>There are 17 specifications in total, ranging from the smallest 100x100x60mm (unit unspecified) to the largest 1200x1200x400mm (unit unspecified). |
| 价值 Benefit   | 产品系列齐全，根据客户需求，可选最具性价比的产品。<br>There is a complete product series. According to customers' needs, the most cost-effective products can be selected.                                                                                                                                                                                                                     |

防爆接线箱（盒）  
Explosion-proof Junction Box



→ BST5130E系列 Series



适用范围 Application Scope: 爆炸性气体环境0区、1区、2区；爆炸性粉尘环境21区、22区  
Zone 0, Zone 1 and Zone 2 in Explosive Gas Atmospheres;  
Zone 21 and Zone 22 in Explosive Dust Atmospheres.

防护等级 IP Rating: IP66

抗冲击性能 Impact resistance: 7J

使用环境温度 Ambient Temperature: -55℃≤Ta≤+40℃/+55℃/+60℃

材料厚度 Material Thickness: 标配 Standard 1.5mm（其他定制 Can be Customized）

材料 Material: 不锈钢 Stainless Steel (304、316、316L)

表面处理 Surface Treatment: 抛光及拉丝 Polishing and Drawing



| 认证数据 Authentication Certificate |                                                                                                                                                 |                                      |                                                                                                             |
|---------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|-------------------------------------------------------------------------------------------------------------|
| 认证类别 Certification Category     | 防爆标志 Ex-Mark                                                                                                                                    | 认证类别 Certification Category          | 防爆标志 Ex-Mark                                                                                                |
| IECEx证书 Certificate             | Ex eb IIC T6/T5/T4 Gb<br>Ex ia IIC T6/T5/T4 Ga<br>Ex ib IIC T6/T5/T4 Gb<br>Ex tb IIIC T80 C/T95 C/T130 C Db                                     | CCC证书 Certificate                    | Ex eb IIC T6/T5/T4 Gb<br>Ex ia IIC T6/T5/T4 Ga<br>Ex ib IIC T6/T5/T4 Gb<br>Ex tb IIIC T80 C/T95 C/T130 C Db |
| ATEX证书 Certificate              | Ⓜ II 2 G Ex eb IIC T6/T5/T4 Gb<br>Ⓜ II 1 G Ex ia IIC T6/T5/T4 Ga<br>Ⓜ II 2 G Ex ib IIC T6/T5/T4 Gb<br>Ⓜ II 2 D Ex tb IIIC T80 C/T95 C/T130 C Db | 防爆合格证<br>Explosion-proof Certificate | Ex eb IIC T6/T5/T4 Gb<br>Ex ia IIC T6/T5/T4 Ga<br>Ex ib IIC T6/T5/T4 Gb<br>Ex tb IIIC T80 C/T95 C/T130 C Db |

| 组件数据—标配 Component Data-Standard |                                              |                                | 组件数据—选配 Component Data-Optional |                                          |                                |
|---------------------------------|----------------------------------------------|--------------------------------|---------------------------------|------------------------------------------|--------------------------------|
| 图样<br>Pattern                   | 名称<br>Item                                   | 材料<br>Material                 | 图样<br>Pattern                   | 名称<br>Item                               | 材料<br>Material                 |
|                                 | 安装底板<br>Mounting Base Plate                  | 镀锌钢板<br>Galvanized Steel Sheet |                                 | 安装导轨<br>Installation Guide Rail          | 镀锌钢板<br>Galvanized Steel Sheet |
|                                 | 盖板机械锁<br>Mechanical Lock for the Cover Plate | 304不锈钢<br>Stainless Steel      |                                 | 防爆接线端子<br>Explosion-proof Terminal Block | PA                             |
|                                 | 盖板密封条<br>Cover Sealing Strip                 | 硅胶<br>Silicone                 |                                 | 防爆电缆固定头<br>Explosion-proof Cable Gland   | 金属<br>Metal                    |
|                                 | 接地标识<br>Grounding Indication                 | 304不锈钢<br>Stainless Steel      |                                 | 防爆呼吸阀<br>Explosion-proof Breather Valve  | 金属<br>Metal                    |
|                                 | 铭牌<br>Nameplate                              | 304不锈钢<br>Stainless Steel      |                                 |                                          |                                |
|                                 | 安装脚<br>Mounting Foot                         | 304不锈钢<br>Stainless Steel      |                                 |                                          |                                |

防爆接线箱（盒）  
Explosion-proof Junction Box



→ BST5130E系列 Series



耗散功率数据 Dissipation Power Meter

| 序号<br>No. | 型号<br>Model                               | 最大耗散功率(W)<br>Maximum Dissipation Power | 箱体外形尺寸 Box Dimensions (mm) |          |          |
|-----------|-------------------------------------------|----------------------------------------|----------------------------|----------|----------|
|           |                                           |                                        | 长 long A                   | 宽 wide B | 高 high C |
| 1         | BST5130011E                               | 0.78                                   | 100                        | 100      | 60       |
| 2         | BST5130021E                               | 3.60                                   | 150                        | 150      | 80       |
| 3         | BST5130031E                               | 5.31                                   | 200                        | 150      | 80       |
| 4         | BST5130041E<br>BST5130042E<br>BST5130043E | 10.07                                  | 300                        | 200      | 110      |
| 5         | BST5130051E<br>BST5130052E<br>BST5130053E | 22.30                                  | 400                        | 200      | 150      |
| 6         | BST5130061E<br>BST5130062E<br>BST5130063E | 37.13                                  | 400                        | 400      | 150      |
| 7         | BST5130071E<br>BST5130072E<br>BST5130073E | 38.18                                  | 400                        | 400      | 150      |
| 8         | BST5130081E<br>BST5130082E<br>BST5130083E | 47.19                                  | 500                        | 400      | 150      |
| 9         | BST5130091E<br>BST5130092E<br>BST5130093E | 55.73                                  | 500                        | 500      | 210      |
| 10        | BST5130101E<br>BST5130102E<br>BST5130103E | 63.38                                  | 600                        | 400      | 210      |
| 11        | BST5130111E<br>BST5130112E<br>BST5130113E | 88.08                                  | 700                        | 400      | 210      |
| 12        | BST5130121E<br>BST5130122E<br>BST5130123E | 157.37                                 | 700                        | 700      | 300      |
| 13        | BST5130131E<br>BST5130132E<br>BST5130133E | 161.52                                 | 800                        | 600      | 300      |
| 14        | BST5130141E<br>BST5130142E<br>BST5130143E | 271.17                                 | 1000                       | 800      | 300      |
| 15        | BST5130151E<br>BST5130152E<br>BST5130153E | 207.30                                 | 800                        | 800      | 400      |
| 16        | BST5130161E<br>BST5130162E<br>BST5130163E | 251.98                                 | 900                        | 900      | 400      |
| 17        | BST5130171E<br>BST5130172E<br>BST5130173E | 577.77                                 | 1200                       | 1200     | 400      |



防爆接线箱（盒）  
Explosion-proof Junction Box



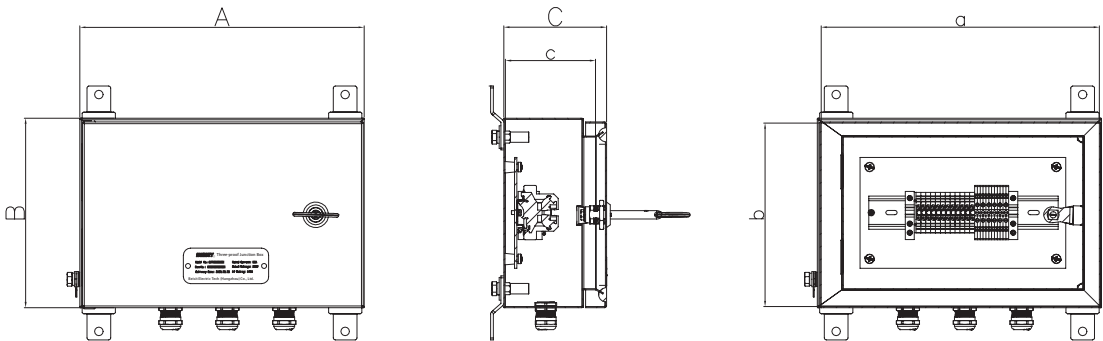
→ BST5130E系列 Series



开孔数据 Hole Opening Data

| 序号<br>No. | 箱体外形尺寸 Box Dimensions (mm) |          |          | 型号<br>Model                               | 开孔区域到箱<br>体边最小距离<br>Min. dist. from<br>opening area<br>to box edge<br>(mm) | 电缆固定头安装面<br>Cable gland<br>mount surface<br>F<br>D  E | 电缆固定头型号 Cable Gland Model |            |            |            |            |            |            |          |          |          |
|-----------|----------------------------|----------|----------|-------------------------------------------|----------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|---------------------------|------------|------------|------------|------------|------------|------------|----------|----------|----------|
|           | 长 long A                   | 宽 wide B | 高 high C |                                           |                                                                            |                                                                                                                                        | M12                       | M16        | M16B       | M20        | M20B       | M25        | M32        | M40      | M50      | M63      |
| 1         | 100                        | 100      | 60       | BST5130011E                               | 最小距离≥3                                                                     | D/E<br>F/G                                                                                                                             | 3<br>3                    | 3<br>3     | 3<br>3     | 2<br>2     | 2<br>2     | /          | /          | /        | /        | /        |
| 2         | 150                        | 150      | 80       | BST5130021E                               |                                                                            |                                                                                                                                        | 9<br>9                    | 5<br>5     | 5<br>5     | 4<br>4     | 4<br>4     | 3<br>3     | /          | /        | /        | /        |
| 3         | 200                        | 150      | 80       | BST5130031E                               |                                                                            |                                                                                                                                        | 15<br>9                   | 7<br>5     | 7<br>5     | 5<br>4     | 5<br>4     | 3<br>3     | /          | /        | /        | /        |
| 4         | 300                        | 200      | 110      | BST5130041E<br>BST5130042E<br>BST5130043E |                                                                            |                                                                                                                                        | 36<br>23                  | 20<br>12   | 20<br>12   | 15<br>9    | 15<br>9    | 8<br>5     | 5<br>3     | 4<br>3   | /        | /        |
| 5         | 400                        | 200      | 150      | BST5130051E<br>BST5130052E<br>BST5130053E |                                                                            |                                                                                                                                        | 82<br>32                  | 42<br>18   | 42<br>18   | 36<br>17   | 36<br>17   | 18<br>11   | 14<br>8    | 6<br>3   | 5<br>2   | 4<br>2   |
| 6         | 400                        | 400      | 150      | BST5130061E<br>BST5130062E<br>BST5130063E |                                                                            |                                                                                                                                        | 82<br>68                  | 42<br>42   | 42<br>42   | 36<br>36   | 36<br>26   | 18<br>14   | 14<br>8    | 6<br>5   | 5<br>4   | 4<br>4   |
| 7         | 500                        | 400      | 150      | BST5130071E<br>BST5130072E<br>BST5130073E |                                                                            |                                                                                                                                        | 84<br>68                  | 54<br>42   | 54<br>42   | 45<br>36   | 45<br>36   | 29<br>26   | 18<br>14   | 9<br>8   | 6<br>5   | 5<br>4   |
| 8         | 400                        | 400      | 210      | BST5130081E<br>BST5130082E<br>BST5130083E |                                                                            |                                                                                                                                        | 110<br>110                | 84<br>84   | 84<br>84   | 60<br>60   | 60<br>60   | 36<br>36   | 21<br>21   | 12<br>12 | 10<br>10 | 8<br>8   |
| 9         | 500                        | 500      | 210      | BST5130091E<br>BST5130092E<br>BST5130093E |                                                                            |                                                                                                                                        | 147<br>147                | 108<br>108 | 108<br>108 | 80<br>80   | 80<br>80   | 48<br>48   | 27<br>27   | 18<br>18 | 12<br>12 | 12<br>12 |
| 10        | 600                        | 400      | 210      | BST5130101E<br>BST5130102E<br>BST5130103E |                                                                            |                                                                                                                                        | 182<br>119                | 132<br>84  | 132<br>84  | 95<br>60   | 95<br>60   | 56<br>36   | 33<br>21   | 18<br>14 | 14<br>10 | 14<br>8  |
| 11        | 700                        | 400      | 210      | BST5130111E<br>BST5130112E<br>BST5130113E |                                                                            |                                                                                                                                        | 210<br>119                | 156<br>84  | 156<br>84  | 110<br>60  | 110<br>60  | 68<br>36   | 39<br>21   | 29<br>14 | 18<br>10 | 16<br>8  |
| 12        | 700                        | 700      | 300      | BST5130121E<br>BST5130122E<br>BST5130123E |                                                                            |                                                                                                                                        | 330<br>330                | 260<br>260 | 260<br>260 | 176<br>176 | 176<br>176 | 102<br>102 | 65<br>65   | 40<br>40 | 30<br>30 | 24<br>24 |
| 13        | 800                        | 600      | 300      | BST5130131E<br>BST5130132E<br>BST5130133E |                                                                            |                                                                                                                                        | 385<br>286                | 261<br>220 | 261<br>220 | 200<br>152 | 200<br>152 | 114<br>84  | 75<br>55   | 48<br>36 | 30<br>24 | 21<br>21 |
| 14        | 1000                       | 800      | 300      | BST5130141E<br>BST5130142E<br>BST5130143E |                                                                            |                                                                                                                                        | 484<br>385                | 333<br>261 | 333<br>261 | 256<br>200 | 256<br>200 | 144<br>114 | 95<br>75   | 60<br>48 | 39<br>30 | 33<br>27 |
| 15        | 800                        | 800      | 400      | BST5130151E<br>BST5130152E<br>BST5130153E |                                                                            |                                                                                                                                        | 560<br>560                | 390<br>390 | 390<br>390 | 286<br>286 | 286<br>286 | 171<br>171 | 105<br>105 | 60<br>60 | 50<br>50 | 36<br>36 |
| 16        | 900                        | 900      | 400      | BST5130161E<br>BST5130162E<br>BST5130163E |                                                                            |                                                                                                                                        | 600<br>600                | 429<br>429 | 429<br>429 | 319<br>319 | 319<br>319 | 176<br>176 | 118<br>118 | 65<br>65 | 44<br>44 | 40<br>40 |
| 17        | 1200                       | 1200     | 400      | BST5130171E<br>BST5130172E<br>BST5130173E |                                                                            |                                                                                                                                        | 795<br>795                | 585<br>585 | 585<br>585 | 429<br>429 | 429<br>429 | 232<br>232 | 132<br>132 | 90<br>90 | 60<br>60 | 56<br>56 |

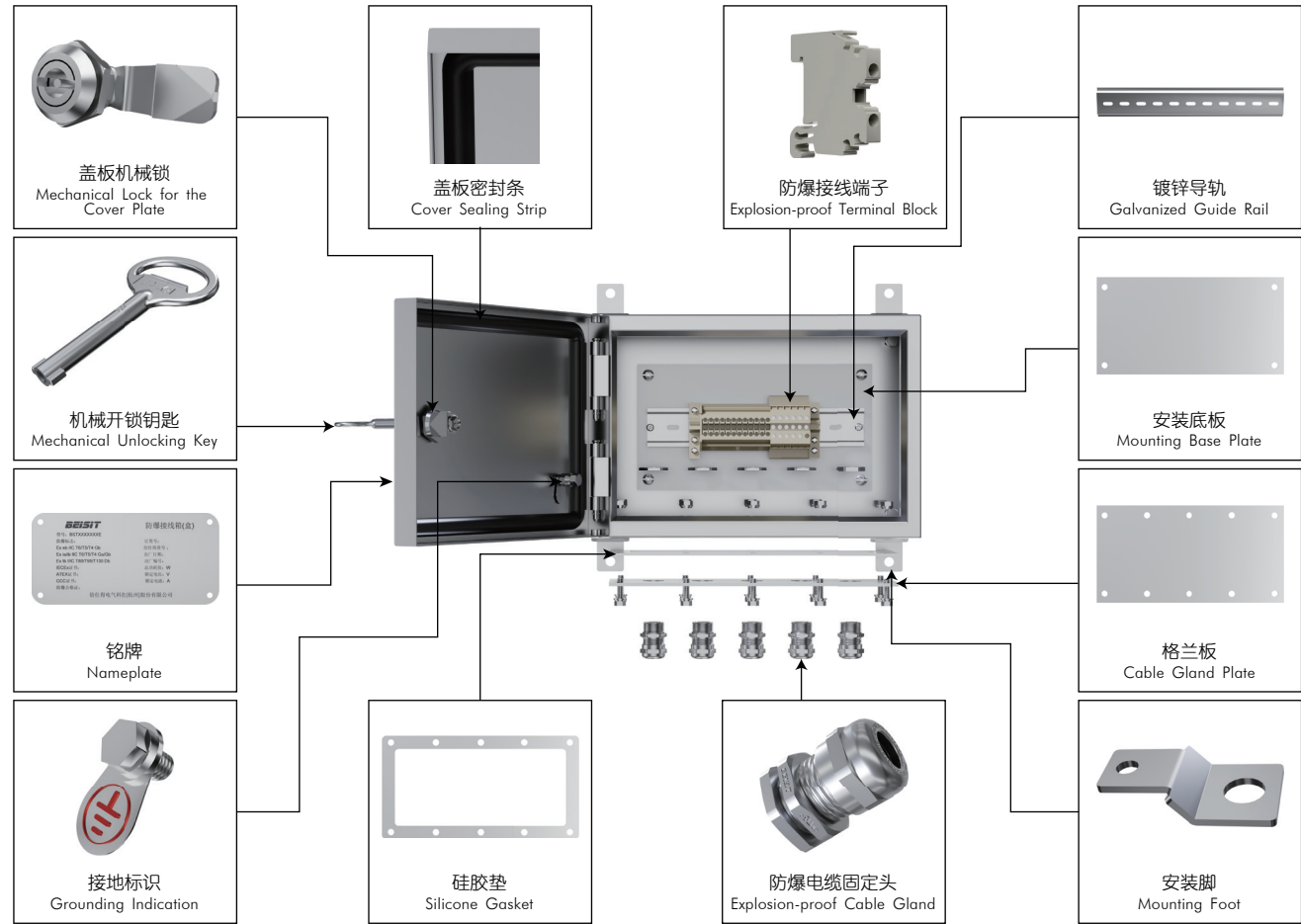
外形尺寸 Outline Drawing



防爆接线箱（盒）  
Explosion-proof Junction Box



→ BST5130E带格兰板系列 (With Flange Plate) Series



产品描述 Product Description

1. 外壳采用不锈钢(304、316、316L)外露紧固件为不锈钢。
2. 组成部分：安装底板、安装脚、接地标识、盖板紧固件、盖板密封条、铭牌（防爆接线端子、防爆呼吸阀、防爆电缆固定头、导轨可根据客户要求配置，客户也可自购自装）。
3. 可选装带格兰板认证的箱体结构，格兰孔可根据用户情况自定开孔，方便现场施工维护。
1. The enclosure is made of stainless steel (304, 316, 316L), and the exposed fasteners are also made of stainless steel.
2. Components: mounting base plate, mounting feet, grounding label, cover fasteners, cover sealing strip, nameplate. (Explosion-proof terminal blocks, explosion-proof breather valves, explosion-proof cable glands, and guide rails can be configured according to customer requirements. Customers can also purchase and install them by themselves.)
3. Optional certified gland plate structure: Gland holes can be custom-drilled on-site according to user requirements, ensuring flexibility for installation and maintenance.

产品FAB The FAB of the Product

|              |                                                                                                                                                                                                                                                                                                                                                                       |
|--------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 特点 Feature   | 工作环境温度 Working environment temperature: -55℃~+130℃, 测试温度 Testing temperature: -60℃~+150℃<br>防爆接线箱带本安型认证 The explosion-proof junction box has intrinsic safety type certification, Ex ib IIC T6/T5/T4 Gb<br>防护等级 Protection level: IP66<br>密封条可以选用PU发泡、平板硅胶、硅胶发泡<br>The sealing strips can be selected from PU foam, flat silicone rubber, and silicone foam.          |
| 优点 Advantage | 国内外证书齐全：IECEx、ATEX、CCC、防爆合格证。<br>It has a full range of domestic and foreign certificates, such as IECEx, ATEX, CCC and Explosion-proof Certificate.<br>规格种类齐全，一共有17种规格，最小规格是100x100x60mm，最大规格是1200x1200x400mm。<br>There are 17 specifications in total, ranging from the smallest 100x100x60mm (unit unspecified) to the largest 1200x1200x400mm (unit unspecified). |
| 价值 Benefit   | 产品系列齐全，根据客户需求，可选最具性价比的产品。<br>There is a complete product series. According to customers' needs, the most cost-effective products can be selected.                                                                                                                                                                                                                     |

防爆接线箱（盒）  
Explosion-proof Junction Box



→ BST5130E带格兰板系列 (With Flange Plate) Series



适用范围 Application Scope: 爆炸性气体环境0区、1区、2区；爆炸性粉尘环境21区、22区  
Zone 0, Zone 1 and Zone 2 in Explosive Gas Atmospheres;  
Zone 21 and Zone 22 in Explosive Dust Atmospheres.

防护等级 IP Rating: IP66

抗冲击性能 Impact Resistance: 7J

使用环境温度 Ambient Temperature: -55℃≤Ta≤+40℃/+55℃/+60℃

材料厚度 Material Thickness: 标配 Standard 1.5mm (其他定制 Can be Customized)

材料 Material: 不锈钢 Stainless Steel (304、316、316L)

表面处理 Surface Treatment: 抛光及拉丝 Polishing and Drawing



认证数据 Authentication Certificate

| 认证类别 Certification Category | 防爆标志 Ex-Mark                                                                                                                                    | 认证类别 Certification Category          | 防爆标志 Ex-Mark                                                                                                |
|-----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|-------------------------------------------------------------------------------------------------------------|
| IECEx证书 Certificate         | Ex eb IIC T6/T5/T4 Gb<br>Ex ia IIC T6/T5/T4 Ga<br>Ex ib IIC T6/T5/T4 Gb<br>Ex tb IIIC T80 C/T95 C/T130 C Db                                     | CCC证书 Certificate                    | Ex eb IIC T6/T5/T4 Gb<br>Ex ia IIC T6/T5/T4 Ga<br>Ex ib IIC T6/T5/T4 Gb<br>Ex tb IIIC T80 C/T95 C/T130 C Db |
| ATEX证 Certificate           | Ⓜ II 2 G Ex eb IIC T6/T5/T4 Gb<br>Ⓜ II 1 G Ex ia IIC T6/T5/T4 Ga<br>Ⓜ II 2 G Ex ib IIC T6/T5/T4 Gb<br>Ⓜ II 2 D Ex tb IIIC T80 C/T95 C/T130 C Db | 防爆合格证<br>Explosion-proof Certificate | Ex eb IIC T6/T5/T4 Gb<br>Ex ia IIC T6/T5/T4 Ga<br>Ex ib IIC T6/T5/T4 Gb<br>Ex tb IIIC T80 C/T95 C/T130 C Db |

组件数据-标配 Component Data-Standard

| 图样<br>Pattern | 名称<br>Item                                   | 材料<br>Material                 |
|---------------|----------------------------------------------|--------------------------------|
|               | 安装底板<br>Mounting Base Plate                  | 镀锌钢板<br>Galvanized Steel Sheet |
|               | 盖板机械锁<br>Mechanical Lock for the Cover Plate | 304不锈钢<br>Stainless Steel      |
|               | 盖板密封条<br>Cover Sealing Strip                 | 硅胶<br>Silicone                 |
|               | 接地标识<br>Grounding Indication                 | 304不锈钢<br>Stainless Steel      |
|               | 格兰板<br>Cable Gland Plate                     | 304不锈钢<br>Stainless Steel      |
|               | 硅胶垫<br>Silicone gasket                       | 聚氨酯<br>PU                      |

组件数据-选配 Component Data-Optional

| 图样<br>Pattern | 名称<br>Item                               | 材料<br>Material                 |
|---------------|------------------------------------------|--------------------------------|
|               | 安装导轨<br>Installation guide rail          | 镀锌钢板<br>Galvanized Steel Sheet |
|               | 防爆接线端子<br>Explosion-proof Terminal Block | PA                             |
|               | 防爆电缆固定头<br>Explosion-proof Cable Gland   | 金属<br>Metal                    |
|               | 防爆呼吸阀<br>Explosion-proof Breather Valve  | 金属<br>Metal                    |
|               |                                          |                                |



防爆接线箱（盒）  
Explosion-proof Junction Box

→ BST5130带格兰板系列 (With Flange Plate) Series



耗散功率数据 Dissipation Power Meter

| 序号<br>No. | 型号<br>Model                               | 最大耗散功率(W)<br>Maximum Dissipation Power | 箱体外形尺寸 Box Dimensions (mm) |          |          |
|-----------|-------------------------------------------|----------------------------------------|----------------------------|----------|----------|
|           |                                           |                                        | 长 long A                   | 宽 wide B | 高 high C |
| 1         | BST5130051E<br>BST5130052E<br>BST5130053E | 22.30                                  | 400                        | 200      | 150      |
| 2         | BST5130061E<br>BST5130062E<br>BST5130063E | 37.13                                  | 400                        | 400      | 150      |
| 3         | BST5130071E<br>BST5130072E<br>BST5130073E | 38.18                                  | 400                        | 400      | 150      |
| 4         | BST5130081E<br>BST5130082E<br>BST5130083E | 47.19                                  | 500                        | 400      | 150      |
| 5         | BST5130091E<br>BST5130092E<br>BST5130093E | 55.73                                  | 500                        | 500      | 210      |
| 6         | BST5130101E<br>BST5130102E<br>BST5130103E | 63.38                                  | 600                        | 400      | 210      |
| 7         | BST5130111E<br>BST5130112E<br>BST5130113E | 88.08                                  | 700                        | 400      | 210      |
| 8         | BST5130121E<br>BST5130122E<br>BST5130123E | 157.37                                 | 700                        | 700      | 300      |
| 9         | BST5130131E<br>BST5130132E<br>BST5130133E | 161.52                                 | 800                        | 600      | 300      |
| 10        | BST5130141E<br>BST5130142E<br>BST5130143E | 271.17                                 | 1000                       | 800      | 300      |
| 11        | BST5130151E<br>BST5130152E<br>BST5130153E | 207.30                                 | 800                        | 800      | 400      |
| 12        | BST5130161E<br>BST5130162E<br>BST5130163E | 251.98                                 | 900                        | 900      | 400      |
| 13        | BST5130171E<br>BST5130172E<br>BST5130173E | 577.77                                 | 1200                       | 1200     | 400      |



防爆接线箱（盒）  
Explosion-proof Junction Box



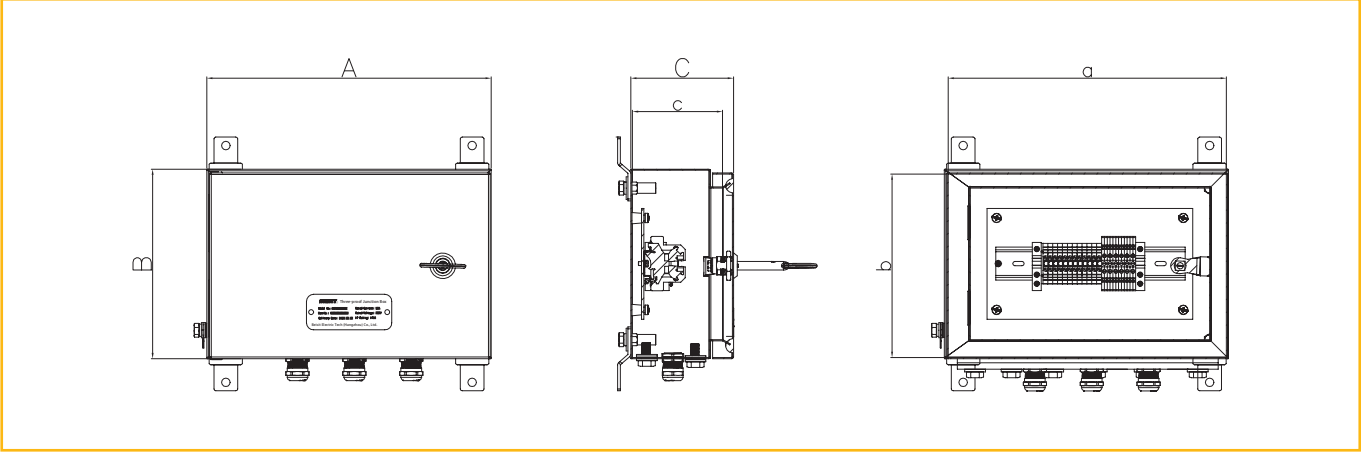
→ BST5130带格兰板系列 (With Flange Plate) Series



开孔数据 Hole Opening Data

| 序号<br>No. | 箱体外形尺寸 Box Dimensions (mm) |          |          | 型号<br>Model                               | 开孔区域到箱<br>体边最小距离<br>Min. dist. from<br>opening area<br>to box edge<br>(mm) | 电缆固定头安装面<br>Cable gland<br>mount surface<br>F<br><div><div>D</div><div>G</div><div>E</div></div> | 电缆固定头型号 Cable Gland Model |     |      |     |      |     |     |     |     |     |  |
|-----------|----------------------------|----------|----------|-------------------------------------------|----------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|---------------------------|-----|------|-----|------|-----|-----|-----|-----|-----|--|
|           | 长 long A                   | 宽 wide B | 高 high C |                                           |                                                                            |                                                                                                  | M12                       | M16 | M16B | M20 | M20B | M25 | M32 | M40 | M50 | M63 |  |
| 1         | 400                        | 200      | 150      | BST5130051E<br>BST5130052E<br>BST5130053E | 最小距离≥3                                                                     | D/E<br>F/G                                                                                       | 44                        | 24  | 24   | 11  | 11   | 8   | 6   | 5   | /   | /   |  |
| 2         | 400                        | 400      | 150      | BST5130061E<br>BST5130062E<br>BST5130063E |                                                                            |                                                                                                  | 44                        | 24  | 24   | 11  | 11   | 8   | 6   | 5   | /   | /   |  |
| 3         | 500                        | 400      | 150      | BST5130071E<br>BST5130072E<br>BST5130073E |                                                                            |                                                                                                  | 56                        | 32  | 32   | 14  | 14   | 10  | 8   | 6   | /   | /   |  |
| 4         | 400                        | 400      | 210      | BST5130081E<br>BST5130082E<br>BST5130083E |                                                                            |                                                                                                  | 70                        | 48  | 48   | 40  | 40   | 24  | 12  | 9   | 5   | 4   |  |
| 5         | 500                        | 500      | 210      | BST5130091E<br>BST5130092E<br>BST5130093E |                                                                            |                                                                                                  | 95                        | 64  | 64   | 54  | 54   | 30  | 20  | 12  | 7   | 5   |  |
| 6         | 600                        | 400      | 210      | BST5130101E<br>BST5130102E<br>BST5130103E |                                                                            |                                                                                                  | 120                       | 80  | 80   | 51  | 51   | 39  | 20  | 16  | 7   | 6   |  |
| 7         | 700                        | 400      | 210      | BST5130111E<br>BST5130112E<br>BST5130113E |                                                                            |                                                                                                  | 140                       | 112 | 112  | 61  | 61   | 45  | 24  | 18  | 8   | 7   |  |
| 8         | 700                        | 700      | 300      | BST5130121E<br>BST5130122E<br>BST5130123E |                                                                            |                                                                                                  | 252                       | 191 | 191  | 140 | 140  | 75  | 48  | 32  | 27  | 18  |  |
| 9         | 800                        | 600      | 300      | BST5130131E<br>BST5130132E<br>BST5130133E |                                                                            |                                                                                                  | 297                       | 224 | 224  | 168 | 168  | 90  | 56  | 33  | 27  | 23  |  |
| 10        | 1000                       | 800      | 300      | BST5130141E<br>BST5130142E<br>BST5130143E |                                                                            |                                                                                                  | 378                       | 336 | 336  | 217 | 217  | 115 | 72  | 42  | 36  | 22  |  |
| 11        | 800                        | 800      | 400      | BST5130151E<br>BST5130152E<br>BST5130153E |                                                                            |                                                                                                  | 429                       | 308 | 308  | 240 | 240  | 126 | 84  | 54  | 39  | 32  |  |
| 12        | 900                        | 900      | 400      | BST5130161E<br>BST5130162E<br>BST5130163E |                                                                            |                                                                                                  | 481                       | 341 | 341  | 297 | 297  | 140 | 96  | 64  | 44  | 30  |  |
| 13        | 1200                       | 1200     | 400      | BST5130171E<br>BST5130172E<br>BST5130173E |                                                                            |                                                                                                  | 714                       | 473 | 473  | 370 | 370  | 196 | 126 | 85  | 60  | 39  |  |

外形尺寸 Outline Drawing

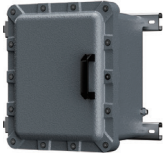


隔爆型防爆箱  
Ex d Explosion-proof Boxes



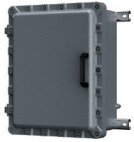
隔爆型防爆箱性能表  
Performance Table for Ex d Explosion-proof Boxes



| → BST9010/30/40B系列 Series                           |                                                                                          |                                                                                          |                                                                                            |
|-----------------------------------------------------|------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|
| 产品系列<br>Product Series                              |         |         |         |
|                                                     | BST9010B<br>系列 Series                                                                    | BST9030B<br>系列 Series                                                                    | BST9040B<br>系列 Series                                                                      |
| 材质<br>Material                                      | 铸铝<br>Cast Aluminium(ADC12)                                                              | 不锈钢<br>Stainless Steel (304/316/316L)                                                    | 碳钢<br>Carbon Steel                                                                         |
| 密封条<br>Sealing Strip                                | 硅胶<br>Silicone Rubber                                                                    | 硅胶<br>Silicone Rubber                                                                    | 硅胶<br>Silicone Rubber/PU                                                                   |
| 表面处理<br>Surface Treatment                           | 高压静电喷涂<br>High Voltage Electrostatic Spraying                                            | 抛光/拉丝<br>Polishing/Brushing                                                              | 高压静电喷涂<br>High Voltage Electrostatic Spraying                                              |
| 环境<br>Working Environment                           | 室内、室外、石油化工<br>Indoor, Outdoor, Petrochemical                                             | 室内、室外、石油化工、海洋工程<br>Indoor, Outdoor, Petrochemical,<br>Marine Engineering                 | 室内、室外、石油化工<br>Indoor, Outdoor, Petrochemical                                               |
| 优势<br>Advantages                                    | 免维护、强度高<br>Maintenance-free, High Strength                                               | 免维护、强度高<br>Maintenance-free, High Strength                                               | 免维护、强度高<br>Maintenance-free, High Strength                                                 |
| 防化学腐蚀<br>Degree of Chemical<br>Corrosion Resistance | 好 Good                                                                                   | 很好 Excellent                                                                             | 好 Good                                                                                     |
| 防海水腐蚀<br>Degree of Seawater<br>Corrosion Resistance | 好 Good                                                                                   | 很好 Excellent                                                                             | 不足 Normal                                                                                  |
| 防紫外线<br>Degree of UV-Proof                          | 很好 Excellent                                                                             | 很好 Excellent                                                                             | 很好 Excellent                                                                               |
| 特点 Specifications                                   |                                                                                          |                                                                                          |                                                                                            |
| 最低工作温度<br>Min Operating Temperature                 |  -55℃ |  -55℃ |  -55℃ |
| 最高工作温度<br>Max Operating Temperature                 |  130℃ |  130℃ |  130℃ |
| 抗冲击力<br>Impact Resistant                            | 7J                                                                                       | 10J                                                                                      | 10J                                                                                        |
| IP防护等级<br>IP Rating                                 | IP66                                                                                     | IP66                                                                                     | IP66                                                                                       |
| 尺寸 Dimensions                                       |                                                                                          |                                                                                          |                                                                                            |
| 长x宽x高 (最小)<br>H*W*D(min) mm                         | 300*200*190mm                                                                            | 300*220*190mm                                                                            | 300*220*190mm                                                                              |
| 长x宽x高 (最大)<br>H*W*D(max) mm                         | 860*660*480mm                                                                            | 860*660*415mm                                                                            | 860*660*415mm                                                                              |

隔爆空箱（盒）选型指南  
Selection Guide for Ex d Empty Enclosure (box)



| → BST90系列 Series               |                                                                                     |                                                                                     |                                                                                     |
|--------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| 产品系列<br>Product Series         |  |  |  |
|                                | BST9010B<br>系列 Series                                                               | BST9030B<br>系列 Series                                                               | BST9040B<br>系列 Series                                                               |
| 材质<br>Material                 | 铸铝<br>Cast Aluminium(ADC12)                                                         | 不锈钢<br>Stainless Steel (304/316/316L)                                               | 碳钢<br>Carbon Steel (Q235)                                                           |
| 密封材质<br>Sealing Material       | 硅胶<br>Silicone Rubber                                                               |                                                                                     |                                                                                     |
| 认证类别<br>Certification Category | IECEX                                                                               |                                                                                     |                                                                                     |
| 防爆标志<br>Ex-Mark                | Ex db II B+H <sub>2</sub> Gb<br>Ex tb III C Db                                      |                                                                                     |                                                                                     |
| 防护等级<br>IP Rating              | IP66                                                                                |                                                                                     |                                                                                     |
| 温度范围<br>Temperature Range      | 工作温度:<br>-55℃~+130℃                                                                 | 工作温度:<br>-55℃~+130℃                                                                 | 工作温度:<br>-55℃~+130℃                                                                 |
| 箱体编号<br>Box Number             | 1#~9#                                                                               | 1#~9#                                                                               | 1#~9#                                                                               |
| 详细页码<br>Page Number            | P50-P52                                                                             | P53-P55                                                                             | P56-P58                                                                             |

| 型号含义 Model Meaning                                                                                                |                                                                                       |                                                                                       |                                                                                                                              |                                                                                       |                                                                                       |                                                                                       |
|-------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| BST                                                                                                               |  |  |                                         |  |  |  |
| ▼                                                                                                                 | ▼                                                                                     | ▼                                                                                     | ▼                                                                                                                            | ▼                                                                                     | ▼                                                                                     | ▼                                                                                     |
| 倍仕得<br>BEISIT                                                                                                     | 名称 Name<br>9: 电控盘装置<br>Electrical Control<br>Panel Device                             | 属性 Attributes<br>0: 空箱<br>Empty Box                                                   | 材质 Material<br>10: 铸铝<br>Cast Aluminium(ADC12)<br>30: 不锈钢<br>Stainless Steel (304、316、316L)<br>40: 碳钢<br>Carbon Steel (Q235) | 箱体尺寸代码<br>Box Size Code<br>01#<br>02#<br>03#<br>.....                                 | 结构形式 Structure Form<br>1: 螺钉式<br>Screw Type<br>2: 螺钉+铰链式<br>Screw + Hinge Type        | 功能类别 Function Category<br>B: Exd IIB+H <sub>2</sub>                                   |
| 举例：01#箱体尺寸300*200*190mm，型号即为：BST9010012B<br>For Example: 01# Box Size is 300*200*190mm, The Model is: BST9010012B |                                                                                       |                                                                                       |                                                                                                                              |                                                                                       |                                                                                       |                                                                                       |



防爆电控盘装置选型指南  
Selection Guide for Explosion-proof Electrical Control Panel Device



→ BST91系列 Series

|                                |                                                                                                                                                                                                                                                                                             |                                                                                                            |                                                                                                              |
|--------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|
| 产品系列<br>Product Series         | <br>BST9110B<br>系列 Series                                                                                                                                                                                  | <br>BST9130B<br>系列 Series | <br>BST9140B<br>系列 Series |
| 材质<br>Material                 | 铸铝<br>Cast Aluminium(ADC12)                                                                                                                                                                                                                                                                 | 不锈钢<br>Stainless Steel (304/316/316L)                                                                      | 碳钢<br>Carbon Steel (Q235)                                                                                    |
| 密封材质<br>Sealing Material       | 硅胶<br>Silicone Rubber                                                                                                                                                                                                                                                                       |                                                                                                            |                                                                                                              |
| 认证类别<br>Certification Category | IECEX<br>ATEX<br>CCC<br>防爆合格证<br>Explosion-proof Certificate                                                                                                                                                                                                                                |                                                                                                            |                                                                                                              |
| 防爆标志<br>Ex-Mark                | Ex db II B+H <sub>2</sub> T <sub>6</sub> /T <sub>4</sub> Gb<br>Ex tb III C T <sub>80</sub> °C/T <sub>95</sub> °C/T <sub>130</sub> °C Db<br>⊕ II 2 G Ex db II B+ H <sub>2</sub> T <sub>6</sub> /T <sub>5</sub> /T <sub>4</sub> Gb<br>⊕ II 2 D Ex tb III C T <sub>80</sub> °C /95°C /130°C Db |                                                                                                            |                                                                                                              |
| 防护等级<br>IP Rating              | IP66                                                                                                                                                                                                                                                                                        |                                                                                                            |                                                                                                              |
| 温度范围<br>Temperature Range      | 工作温度:<br>-55℃~+130℃                                                                                                                                                                                                                                                                         | 工作温度:<br>-55℃~+130℃                                                                                        | 工作温度:<br>-55℃~+130℃                                                                                          |
| 箱体编号<br>Box Number             | 1#~9#                                                                                                                                                                                                                                                                                       | 1#~9#                                                                                                      | 1#~9#                                                                                                        |
| 详细页码<br>Page Number            | P59-P62                                                                                                                                                                                                                                                                                     | P63-P66                                                                                                    | P67-P70                                                                                                      |

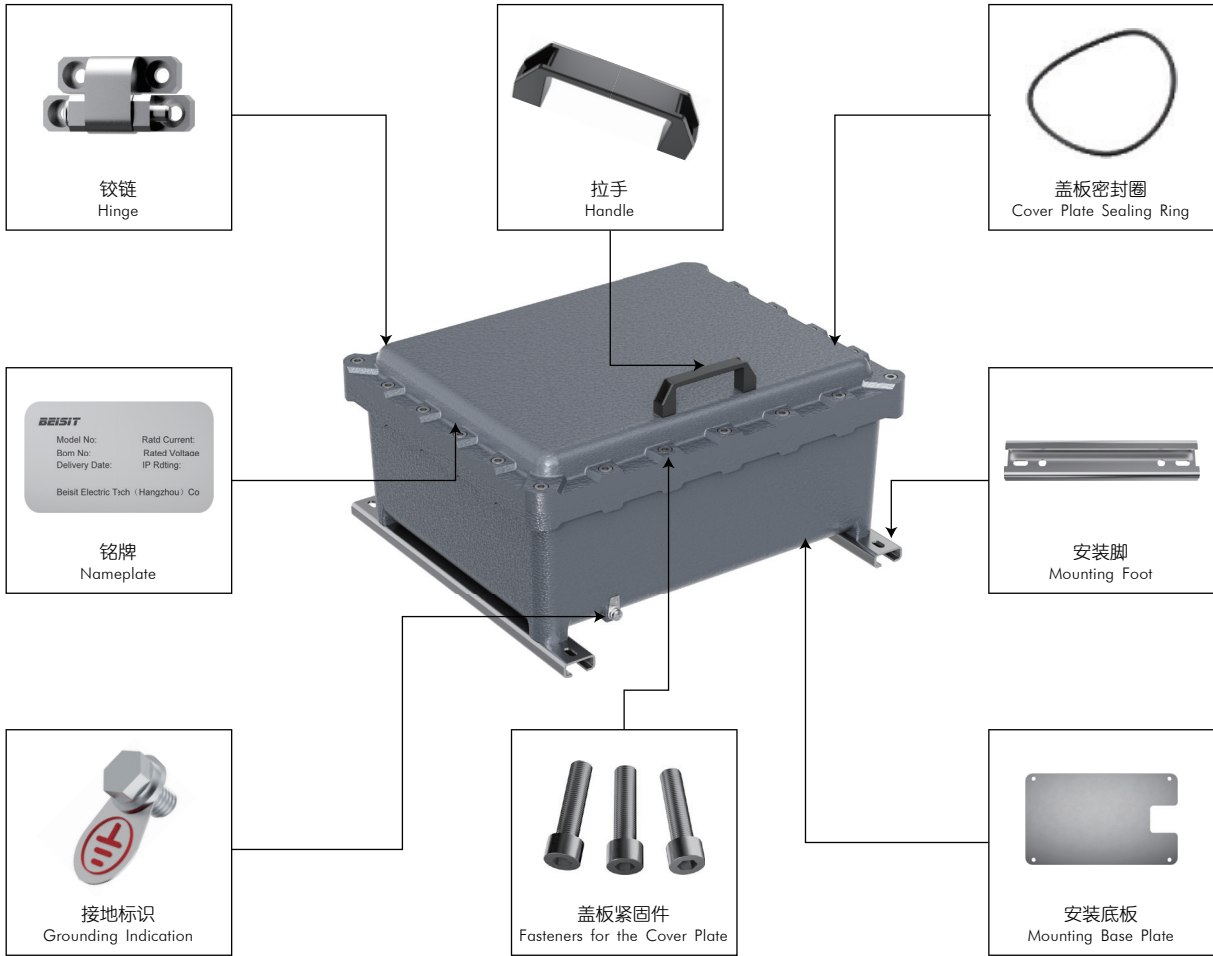
型号含义 Model Meaning

|                                                                                                                      |                                                           |                                            |                                                                                                                              |                                                       |                                                                                |                                                     |
|----------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------|--------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------|--------------------------------------------------------------------------------|-----------------------------------------------------|
| BST                                                                                                                  | □                                                         | □                                          | □                                                                                                                            | □                                                     | □                                                                              | □                                                   |
| ▼                                                                                                                    | ▼                                                         | ▼                                          | ▼                                                                                                                            | ▼                                                     | ▼                                                                              | ▼                                                   |
| 倍仕得<br>BEISIT                                                                                                        | 名称 Name<br>9: 电控盘装置<br>Electrical Control<br>Panel Device | 属性 Attributes<br>1: 整机<br>Complete Machine | 材质 Material<br>10: 铸铝<br>Cast Aluminium(ADC12)<br>30: 不锈钢<br>Stainless Steel (304、316、316L)<br>40: 碳钢<br>Carbon Steel (Q235) | 箱体尺寸代码<br>Box Size Code<br>01#<br>02#<br>03#<br>..... | 结构形式 Structure Form<br>1: 螺钉式<br>Screw Type<br>2: 螺钉+铰链式<br>Screw + Hinge Type | 功能类别 Function Category<br>B: Exd IIB+H <sub>2</sub> |
| 举例: 01#箱体尺寸300*200*190mm, 型号即为: BST9110012B<br>For Example: 01# Box Size is 300*200*190mm, The Model is: BST9110012B |                                                           |                                            |                                                                                                                              |                                                       |                                                                                |                                                     |



隔爆空箱 (盒)  
Ex d Empty Enclosure (Box)

→ BST9010B系列 Series



产品描述 Product Description

1. 外壳采用铝合金ADC12材质，表面进行喷涂纯环氧树脂粉末，外露紧固件强度为A2-70不锈钢材质。

2. 组成部分：安装底板、接地标识、安装脚、盖板紧固件、盖板密封圈、铰链、拉手、铭牌。

3. 内部无任何的电器元器件，箱体上无任何的开孔并不带电缆固定头。
1. The enclosure is made of aluminum alloy ADC12. The surface is sprayed with pure epoxy resin powder. The exposed fasteners are made of A2 - 70 stainless steel.

2. Composition parts: Installation base plate, grounding mark, installation feet, cover plate fasteners, cover plate sealing ring, hinge, handle, nameplate.

3. The interior contains no electrical components, and the enclosure has no openings or cable glands.

产品特点 Product Feature

1. 隔爆空箱有国际IECEX认证。

2. 防护等级: IP66。

3. 工作温度: -55℃~+130℃。

4. 适用于爆炸性气体环境1区、2区; 爆炸性粉尘环境21区、22区。

5. 广泛用于石油开采、炼油、化工、油轮等易燃易爆气体环境，也可用于纤维、面粉、金属加工等可燃性粉尘场所。
1. The Ex d empty box has the international IECEx certification.

2. IP Rating: IP66.

3. Operating temperature: -55°C to +130°C.

4. Suitable for: Explosive gas atmospheres in Zone 1 and Zone 2; Explosive dust environments in Zone 21 and Zone 22.

5. Widely used in: Flammable gas environments (e.g., petroleum extraction, oil refining, chemical plants, oil tankers); Combustible dust environments (e.g., fiber, flour, metal processing).

隔爆空箱（盒）  
Ex d Empty Enclosure (Box)



→ BST9010B系列 Series

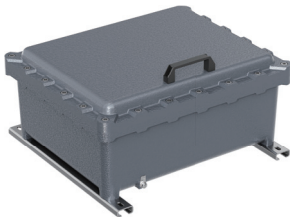
适用范围 Application Scope: 爆炸性气体环境1区、2区；爆炸性粉尘环境21区、22区  
Zone 1 and Zone 2 in Explosive Gas Atmospheres;  
Zone 21 and Zone 22 in Explosive Dust Atmospheres.

防护等级 IP Rating: IP66

抗冲击性能 Impact Resistance: 7J

工作温度 Operating Temperature: -55℃ ~ +130℃

材料 Material: 铝合金 Aluminum Alloy ADC12



| 认证数据 Authentication Certificate |                                                |
|---------------------------------|------------------------------------------------|
| 认证类别 Certification Category     | 防爆标志 Ex-Mark                                   |
| IECEx证书 Certificate             | Ex db II B+H <sub>2</sub> Gb<br>Ex tb III C Db |

| 组件数据-标配 Component Data-Standard |                                        |                                |
|---------------------------------|----------------------------------------|--------------------------------|
| 图样 Pattern                      | 名称 Item                                | 材料 Material                    |
|                                 | 安装底板<br>Mounting Base Plate            | 镀锌钢板<br>Galvanized Steel Sheet |
|                                 | 接地标识<br>Grounding Indication           | 304不锈钢<br>Stainless Steel      |
|                                 | 铰链<br>Hinge                            | 304不锈钢<br>Stainless Steel      |
|                                 | 安装脚<br>Mounting Foot                   | Q235                           |
|                                 | 盖板紧固件<br>Fasteners for the Cover Plate | 304不锈钢<br>Stainless Steel      |
|                                 | 盖板密封圈<br>Cover Plate Sealing Ring      | 硅胶<br>Silicone                 |
|                                 | 拉手<br>Handle                           | 铝合金<br>Aluminum Alloy          |
|                                 | 铭牌<br>Nameplate                        | 不干胶<br>Self-adhesive Sticker   |

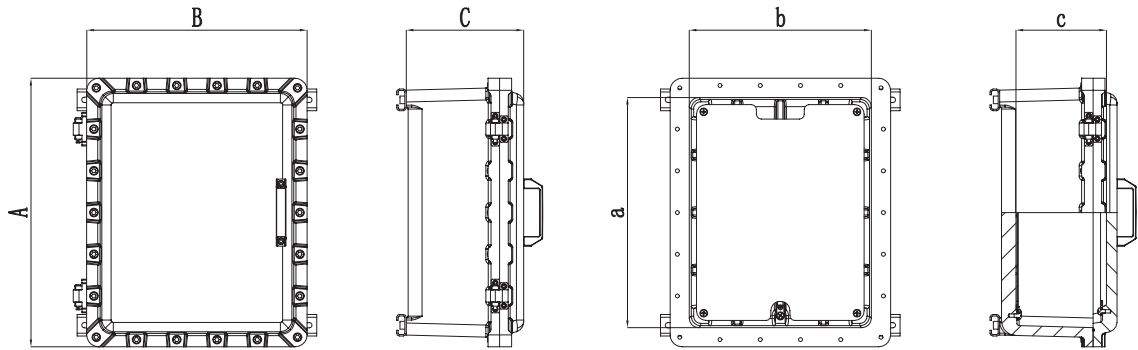


→ BST9010B系列 Series

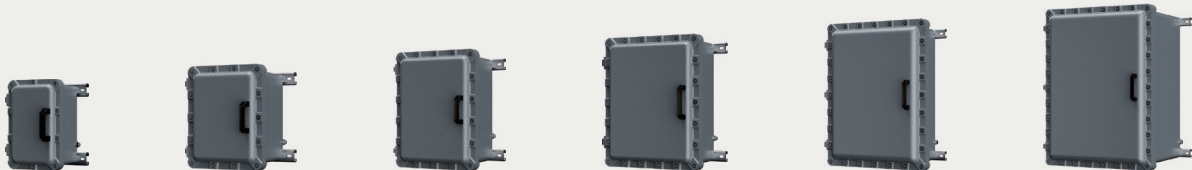
尺寸数据 Size Data

| 序号<br>Serial Number | 外形尺寸 Overall Dimensions (mm) |            |            | 内部尺寸 Internal Dimensions (mm) |            |            | 重量<br>Weight (kg) | 容积<br>Volume (cm³) | 订货号<br>Order no |
|---------------------|------------------------------|------------|------------|-------------------------------|------------|------------|-------------------|--------------------|-----------------|
|                     | 长 long (A)                   | 宽 wide (B) | 高 high (C) | 长 long (a)                    | 宽 wide (b) | 高 high (c) |                   |                    |                 |
| 1 #                 | 300                          | 200        | 190        | 239                           | 139        | 153        | 10.44             | 5040               | BST9010012B     |
| 2 #                 | 360                          | 300        | 245        | 275                           | 215        | 190        | 22.95             | 11230              | BST9010022B     |
| 3 #                 | 460                          | 360        | 245        | 371                           | 271        | 189        | 37.34             | 18980              | BST9010032B     |
| 4 #                 | 560                          | 460        | 245        | 471                           | 371        | 189        | 55.08             | 33040              | BST9010042B     |
| 5 #                 | 560                          | 460        | 340        | 471                           | 371        | 284        | 63.96             | 48690              | BST9010052B     |
| 6 #                 | 720                          | 560        | 245        | 615                           | 450        | 172        | 93.25             | 47600              | BST9010062B     |
| 7 #                 | 720                          | 560        | 340        | 615                           | 450        | 267        | 108.13            | 73060              | BST9010072B     |
| 8 #                 | 860                          | 660        | 340        | 755                           | 550        | 264        | 155.60            | 109620             | BST9010082B     |
| 9 #                 | 860                          | 660        | 480        | 755                           | 550        | 404        | 180.66            | 167760             | BST9010092B     |

外形尺寸 Outline Drawing



实物图样 Actual Illustrations for Optional Sizes

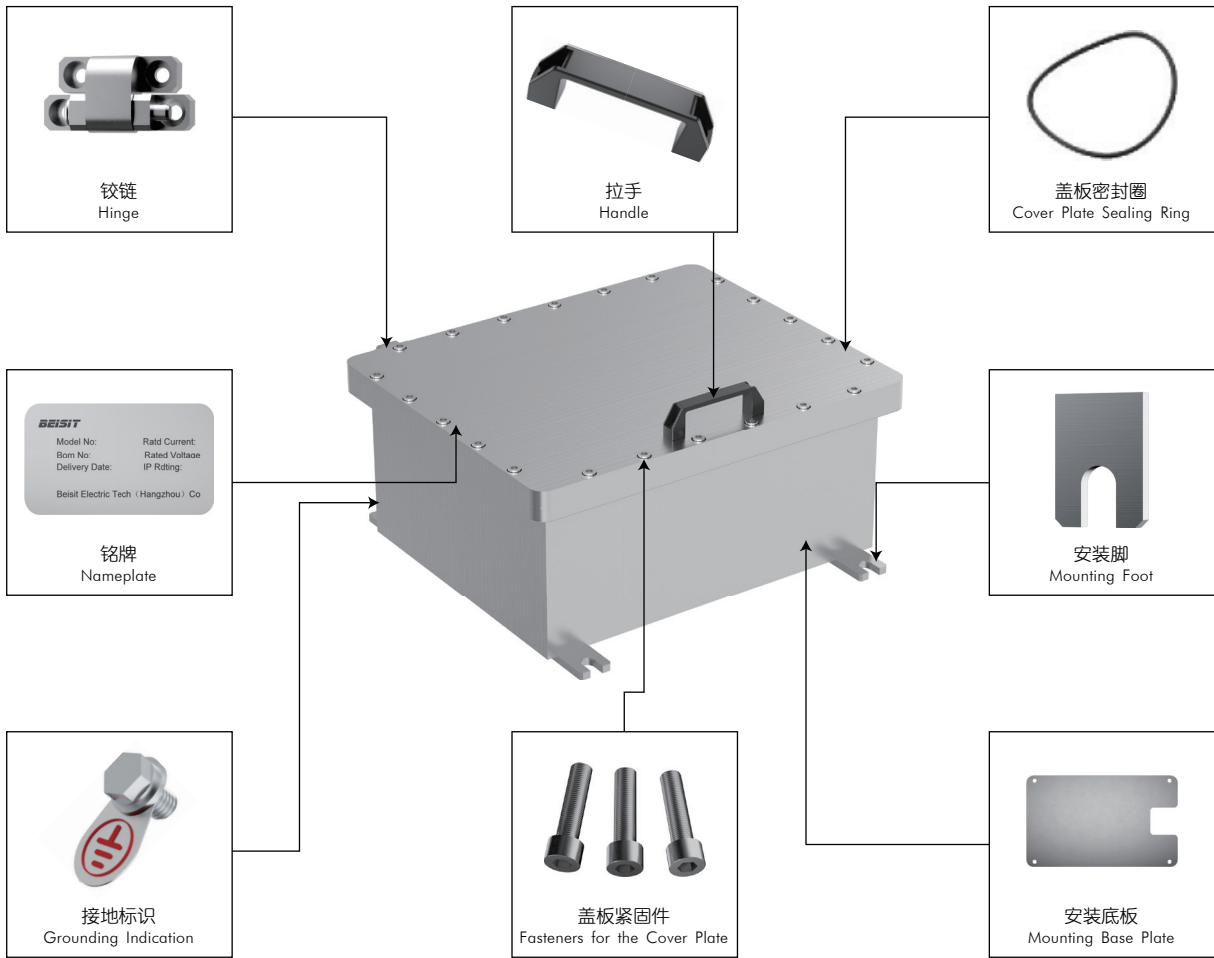




隔爆空箱（盒）  
Ex d Empty Enclosure (Box)



→ BST9030B系列 Series



产品描述 Product Description

- 1.外壳采用不锈钢(304、316、316L)材质，表面拉丝处理，外露紧固件强度为A2-70不锈钢材质。
- 2.组成部分：安装底板、接地标识、安装脚、盖板紧固件、盖板密封圈、铰链、拉手、铭牌。
- 3.内部无任何的电器元器件，箱体上无任何的开孔并不带电缆固定头。
1. The enclosure is made of stainless steel (304, 316, 316L), with a brushed surface treatment. The exposed fasteners are made of A2 - 70 stainless steel.
2. Components: installation base plate, grounding mark, installation feet, cover fasteners, cover sealing ring, hinge, handle, nameplate.
3. The interior contains no electrical components, and the enclosure has no openings or cable glands.

产品特点 Product Feature

- 1.隔爆空箱有国际IECEx认证。
- 2.防护等级：IP66。
- 3.工作温度：-55℃~+130℃。
- 4.适用于爆炸性气体环境1区、2区；爆炸性粉尘环境21区、22区。
- 5.广泛用于石油开采、炼油、化工、油轮等易燃易爆气体环境，也可用于纤维、面粉、金属加工等可燃性粉尘场所。
1. The Ex d empty box has the international IECEx certification.
2. IP Rating : IP66.
3. Operating temperature: -55°C to +130°C.
4. Suitable for: Explosive gas atmospheres in Zone 1 and Zone 2; Explosive dust environments in Zone 21 and Zone 22.
5. Widely used in: Flammable gas environments (e.g., petroleum extraction, oil refining, chemical plants, oil tankers); Combustible dust environments (e.g., fiber, flour, metal processing).



→ BST9030B系列 Series

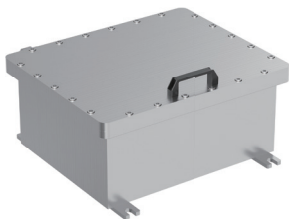
适用范围 Application Scope: 爆炸性气体环境1区、2区；爆炸性粉尘环境21区、22区  
Zone 1 and Zone 2 in Explosive Gas Atmospheres;  
Zone 21 and Zone 22 in Explosive Dust Atmospheres.

防护等级 IP Rating: IP66

抗冲击性能 Impact Resistance: 7J

工作温度 Operating Temperature: -55℃~+130℃

材料 Material: 不锈钢 Stainless Steel （304、316、316L）



认证数据 Authentication Certificate

| 认证类别 Certification Category | 防爆标志 Ex-Mark                                   |
|-----------------------------|------------------------------------------------|
| IECEx证书 Certificate         | Ex db II B+H <sub>2</sub> Gb<br>Ex tb III C Db |

组件数据-标配 Component Data-Standard

| 图样 Pattern | 名称 Item                                | 材料 Material                    |
|------------|----------------------------------------|--------------------------------|
|            | 安装底板<br>Mounting Base Plate            | 镀锌钢板<br>Galvanized Steel Sheet |
|            | 接地标识<br>Grounding Indication           | 304不锈钢<br>Stainless Steel      |
|            | 铰链<br>Hinge                            | 304不锈钢<br>Stainless Steel      |
|            | 安装脚<br>Mounting Foot                   | Q235                           |
|            | 盖板紧固件<br>Fasteners for the Cover Plate | 304不锈钢<br>Stainless Steel      |
|            | 盖板密封圈<br>Cover Plate Sealing Ring      | 硅胶<br>Silicone                 |
|            | 拉手<br>Handle                           | 铝合金<br>Aluminum Alloy          |
|            | 铭牌<br>Nameplate                        | 不干胶<br>Self-adhesive Sticker   |

隔爆空箱（盒）  
Ex d Empty Enclosure (Box)

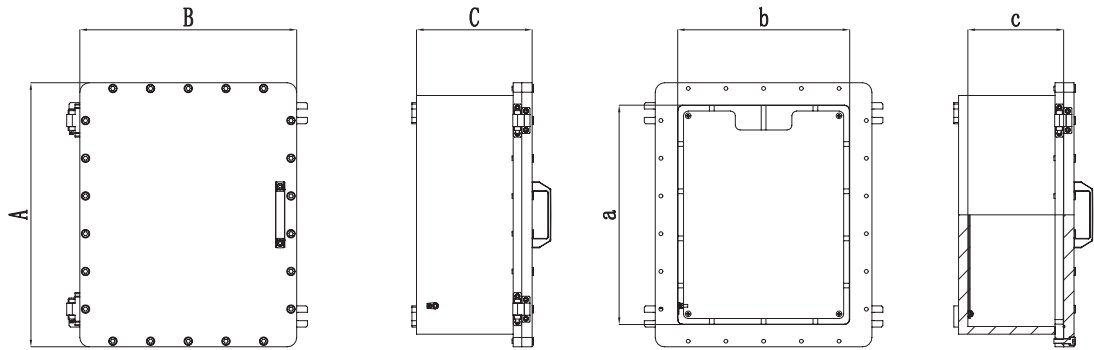


→ BST9030B系列 Series

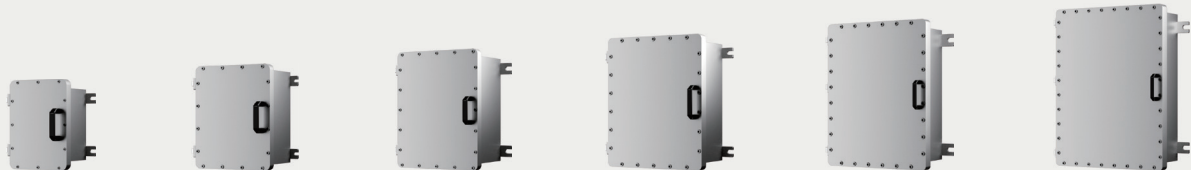
尺寸数据 Size Data

| 序号<br>Serial Number | 外形尺寸 Overall Dimensions (mm) |            |            | 内部尺寸 Internal Dimensions (mm) |            |            | 重量<br>Weight (kg) | 容积<br>Volume (cm³) | 订货号<br>Order no |
|---------------------|------------------------------|------------|------------|-------------------------------|------------|------------|-------------------|--------------------|-----------------|
|                     | 长 long (A)                   | 宽 wide (B) | 高 high (C) | 长 long (a)                    | 宽 wide (b) | 高 high (c) |                   |                    |                 |
| 1 #                 | 300                          | 200        | 190        | 254                           | 178        | 167        | 21.79             | 7650               | BST9030012B     |
| 2 #                 | 360                          | 300        | 190        | 314                           | 254        | 167        | 15.17             | 13200              | BST9030022B     |
| 3 #                 | 460                          | 360        | 245        | 404                           | 304        | 209        | 65.51             | 25870              | BST9030032B     |
| 4 #                 | 560                          | 460        | 245        | 488                           | 388        | 203        | 106.95            | 38220              | BST9030042B     |
| 5 #                 | 560                          | 460        | 340        | 488                           | 388        | 298        | 120.56            | 57330              | BST9030052B     |
| 6 #                 | 720                          | 560        | 245        | 638                           | 478        | 193        | 179.31            | 58360              | BST9030062B     |
| 7 #                 | 720                          | 560        | 340        | 638                           | 478        | 288        | 196.58            | 89080              | BST9030072B     |
| 8 #                 | 860                          | 660        | 245        | 778                           | 578        | 193        | 241.83            | 85950              | BST9030082B     |
| 9 #                 | 860                          | 660        | 415        | 778                           | 578        | 363        | 262.75            | 162860             | BST9030092B     |

外形尺寸 Outline Drawing



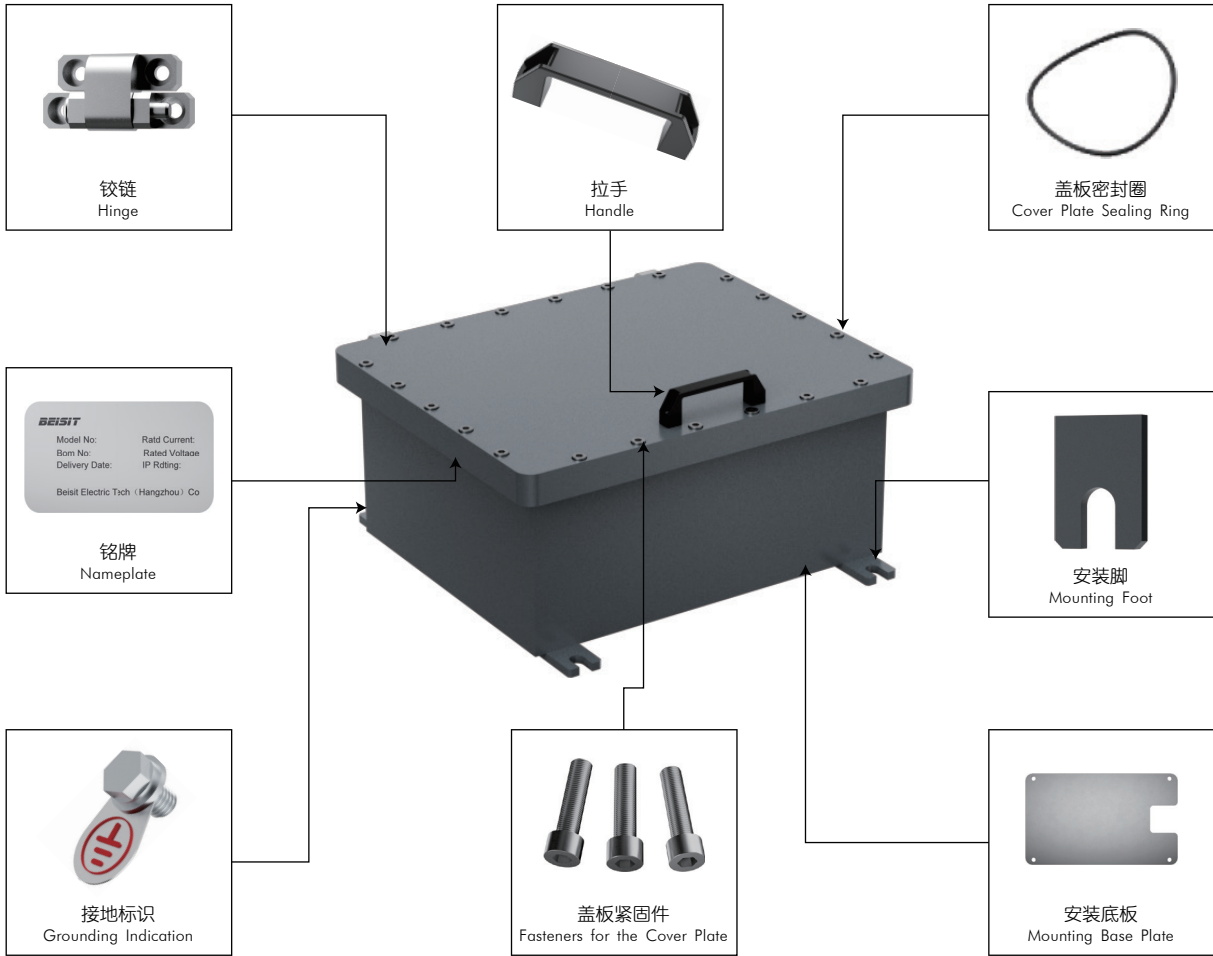
实物图样 Actual Illustrations for Optional Sizes



隔爆空箱（盒）  
Ex d Empty Enclosure (Box)



→ BST9040B系列 Series



产品描述 Product Description

1. 外壳采用碳钢材质，表面进行喷涂纯环氧树脂粉末，外露紧固件强度为A2-70不锈钢材质。
2. 组成部分：安装底板、接地标识、安装脚、盖板紧固件、盖板密封圈、铰链、拉手、铭牌。
3. 内部无任何的电器元器件，箱体上无任何的开孔并不带电缆固定头。
1. The enclosure is made of carbon steel. The surface is sprayed with pure epoxy resin powder. The exposed fasteners are made of A2 - 70 stainless steel.
2. Components: Installation base plate, Grounding identification, Installation feet, Cover plate fasteners, Cover plate sealing ring, Hinge, Handle, Nameplate.
3. The interior contains no electrical components, and the enclosure has no openings or cable glands.

产品特点 Product Feature

1. 隔爆空箱有国际IECEx认证。
2. 防护等级：IP66。
3. 工作温度：-55℃~+130℃。
4. 适用于爆炸性气体环境1区、2区；爆炸性粉尘环境21区、22区。
5. 广泛用于石油开采、炼油、化工、油轮等易燃易爆气体环境，也可用于纤维、面粉、金属加工等可燃性粉尘场所。
1. The Ex d empty box has the international IECEx certification.
2. IP Rating: IP66.
3. Operating temperature: -55°C to +130°C.
4. Suitable for: Explosive gas atmospheres in Zone 1 and Zone 2; Explosive dust environments in Zone 21 and Zone 22.
5. Widely used in: Flammable gas environments (e.g., petroleum extraction, oil refining, chemical plants, oil tankers); Combustible dust environments (e.g., fiber, flour, metal processing).



隔爆空箱（盒）  
Ex d Empty Enclosure (Box)



→ BST9040B系列 Series

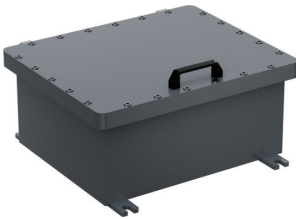
适用范围 Application Scope: 爆炸性气体环境1区、2区；爆炸性粉尘环境21区、22区  
Zone 1 and Zone 2 in Explosive Gas Atmospheres;  
Zone 21 and Zone 22 in Explosive Dust Atmospheres.

防护等级 IP Rating: IP66

抗冲击性能 Impact Resistance: 7J

工作温度 Operating Temperature: -55℃ ~ +130℃

材料 Material: 碳钢 Carbon Steel (Q235)



| 认证数据 Authentication Certificate |                                                |
|---------------------------------|------------------------------------------------|
| 认证类别 Certification Category     | 防爆标志 Ex-Mark                                   |
| IECEx证书 Certificate             | Ex db II B+H <sub>2</sub> Gb<br>Ex tb III C Db |

| 组件数据-标配 Component Data-Standard |                                        |                                |
|---------------------------------|----------------------------------------|--------------------------------|
| 图样 Pattern                      | 名称 Item                                | 材料 Material                    |
|                                 | 安装底板<br>Mounting Base Plate            | 镀锌钢板<br>Galvanized Steel Sheet |
|                                 | 接地标识<br>Grounding Indication           | 304不锈钢<br>Stainless Steel      |
|                                 | 铰链<br>Hinge                            | 304不锈钢<br>Stainless Steel      |
|                                 | 安装脚<br>Mounting Foot                   | Q235                           |
|                                 | 盖板紧固件<br>Fasteners for the Cover Plate | 304不锈钢<br>Stainless Steel      |
|                                 | 盖板密封圈<br>Cover Plate Sealing Ring      | 硅胶<br>Silicone                 |
|                                 | 拉手<br>Handle                           | 铝合金<br>Aluminum Alloy          |
|                                 | 铭牌<br>Nameplate                        | 不干胶<br>Self-adhesive Sticker   |

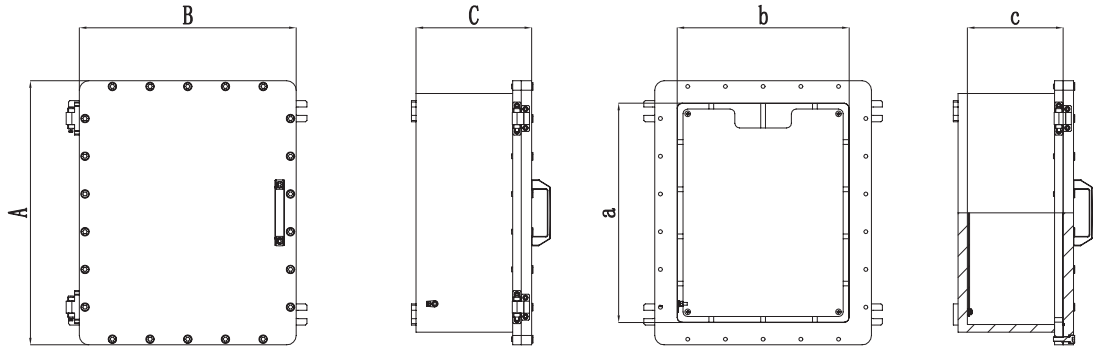


→ BST9040B系列 Series

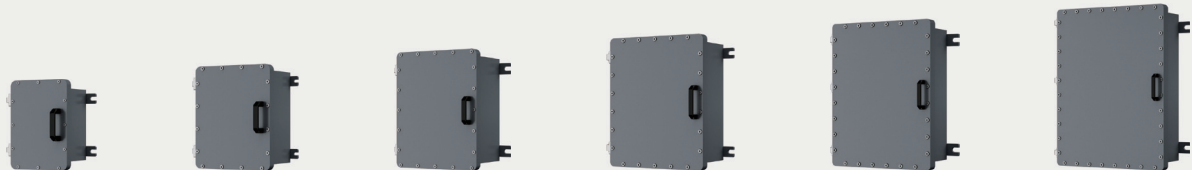
尺寸数据 Size Data

| 序号<br>Serial Number | 外形尺寸 Overall Dimensions (mm) |            |            | 内部尺寸 Internal Dimensions (mm) |            |            | 重量<br>Weight (kg) | 容积<br>Volume (cm³) | 订货号<br>Order no |
|---------------------|------------------------------|------------|------------|-------------------------------|------------|------------|-------------------|--------------------|-----------------|
|                     | 长 long (A)                   | 宽 wide (B) | 高 high (C) | 长 long (a)                    | 宽 wide (b) | 高 high (c) |                   |                    |                 |
| 1 #                 | 300                          | 200        | 190        | 254                           | 178        | 167        | 15.16             | 7650               | BST9040012B     |
| 2 #                 | 360                          | 300        | 190        | 314                           | 254        | 167        | 21.78             | 13200              | BST9040022B     |
| 3 #                 | 460                          | 360        | 245        | 404                           | 304        | 209        | 65.50             | 25870              | BST9040032B     |
| 4 #                 | 560                          | 460        | 245        | 488                           | 388        | 203        | 106.95            | 38220              | BST9040042B     |
| 5 #                 | 560                          | 460        | 340        | 488                           | 388        | 298        | 120.55            | 57330              | BST9040052B     |
| 6 #                 | 720                          | 560        | 245        | 638                           | 478        | 193        | 179.31            | 58360              | BST9040062B     |
| 7 #                 | 720                          | 560        | 340        | 638                           | 478        | 288        | 196.57            | 89080              | BST9040072B     |
| 8 #                 | 860                          | 660        | 245        | 778                           | 578        | 193        | 241.83            | 85950              | BST9040082B     |
| 9 #                 | 860                          | 660        | 415        | 778                           | 578        | 363        | 262.74            | 162860             | BST9040092B     |

外形尺寸 Outline Drawing



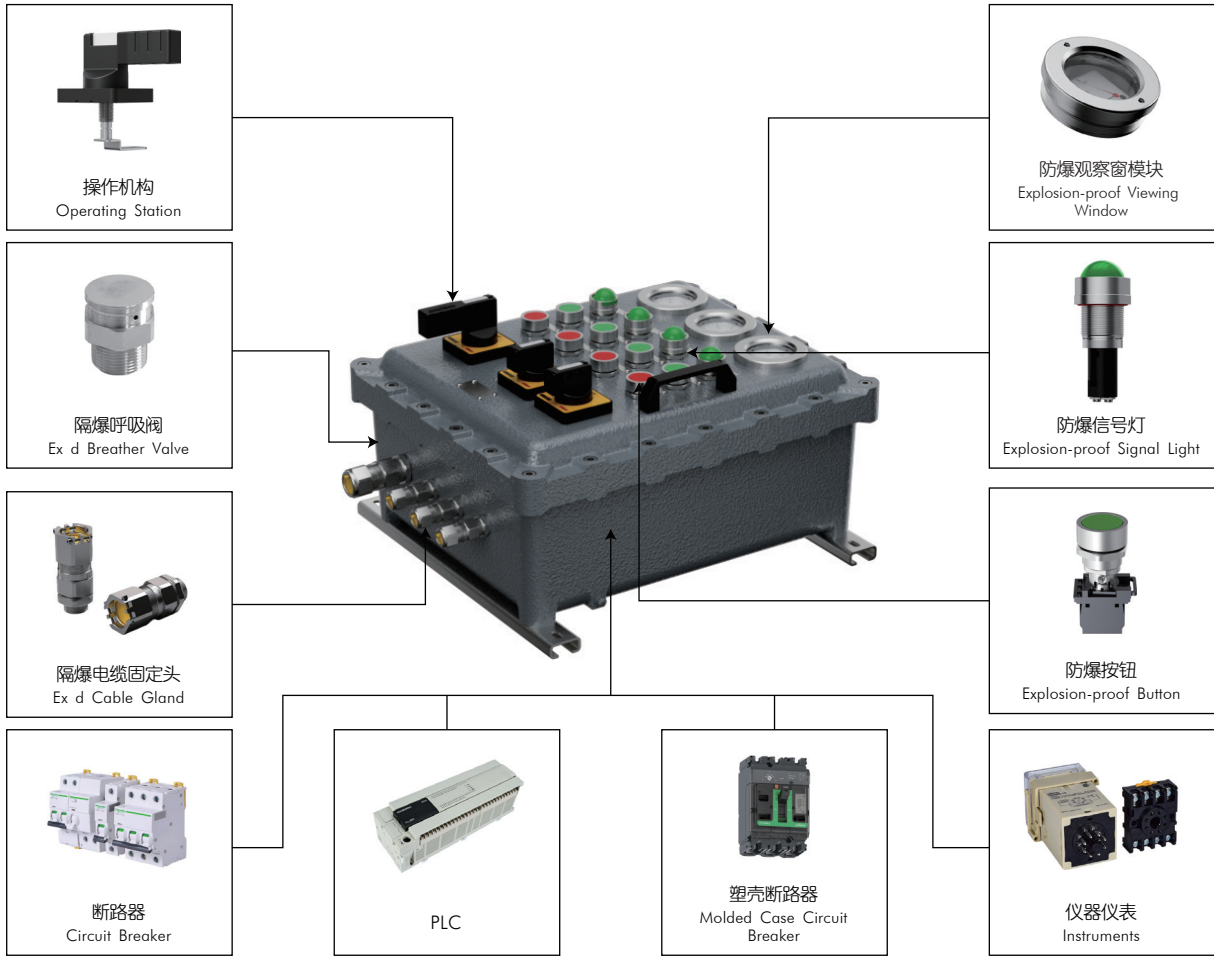
实物图样 Actual Illustrations for Optional Sizes



防爆电控盘装置  
Explosion-proof Electrical Control Panel Device



→ BST9110B系列 Series



产品描述 Product Description

1. 外壳采用铝合金ADC12材质，表面进行喷涂纯环氧树脂粉末，外露紧固件强度为A2-70不锈钢材质。
2. 组成部分：安装底板、接地标识、安装脚、盖板紧固件、盖板密封圈、铰链、拉手、铭牌、导轨（接线端子、隔爆呼吸阀、隔爆电缆固定头可根据客户要求配置，客户也可自购自装）。  
1. The enclosure is made of aluminum alloy ADC12. Its surface is sprayed with pure epoxy resin powder. The exposed fasteners are made of A2 - 70 stainless steel.  
2. Components: Installation base plate, grounding sign, mounting feet, cover plate fasteners, cover plate sealing ring, hinge, handle, nameplate, guide rail. (Terminal blocks, Ex d breather valves and Ex d cable glands can be configured according to customer requirements. Customers can also purchase and install them by themselves.)

产品FAB The FAB of the Product

|              |                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|--------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 特点 Features  | 工作环境温度 Working environment temperature: -55℃~+130℃，测试温度 Testing temperature: -60℃~+150℃<br>隔爆箱可在IB+氢气环境中使用 The Ex d box can be used in the IIB + hydrogen environment.<br>隔爆箱面板Ex元件均取认证 All Ex components on the Ex d box panel are certified.<br>隔爆箱壁厚20mm以上，箱体强度高，水压测试可达到2.4MPa<br>The wall thickness of the Ex d box is over 20mm, with high strength, and it can withstand a water pressure test of up to 2.4MPa.<br>防护等级 IP Rating: IP66 |
| 优点 Advantage | 国内外证书齐全：IECEX、ATEX、CCC、防爆合格证。<br>It has a full range of domestic and foreign certificates, such as IECEX, ATEX, CCC and Explosion-proof Certificate.<br>规格种类齐全，一共有9种规格，最小规格是300x200x190mm，最大规格是860x660x480mm。<br>There are 9 specifications in total, ranging from the smallest 300x200x190mm (unit unspecified) to the largest 860x660x480mm (unit unspecified).                                                                             |
| 价值 Benefit   | 纯隔爆型安全系数更高-国内 The pure Ex d type has a higher safety factor - in the domestic market.<br>可接受OEM、ODM合作方式（保密性、隐蔽性更强）-国外<br>OEM and ODM cooperation modes are acceptable (with stronger confidentiality and concealment) - in the overseas market.                                                                                                                                                                                               |



防爆电控盘装置  
Explosion-proof Electrical Control Panel Device

→ BST9110B系列 Series



适用范围 Application Scope: 爆炸性气体环境1区、2区；爆炸性粉尘环境21区、22区  
Zone 1 and Zone 2 in Explosive Gas Atmospheres;  
Zone 21 and Zone 22 in Explosive Dust Atmospheres.  
防护等级 IP Rating: IP66  
抗冲击性能 Impact Resistance: 7J  
使用环境温度 Ambient Temperature: -55℃≤Ta≤+60℃  
材料 Material: 铝合金 Aluminum Alloy ADC12



认证数据 Authentication Certificate

| 认证类别 Certification Category | 防爆标志 Ex-Mark                                                                                 | 认证类别 Certification Category          | 防爆标志 Ex-Mark                                                               |
|-----------------------------|----------------------------------------------------------------------------------------------|--------------------------------------|----------------------------------------------------------------------------|
| IECEX证书 Certificate         | Ex db II B+H <sub>2</sub> T6/T5/T4 Gb<br>Ex tb III C T80 C/T95 C/T130 C Db                   | CCC证书 Certificate                    | Ex db II B+H <sub>2</sub> T6/T5/T4 Gb<br>Ex tb III C T80 C/T95 C/T130 C Db |
| ATEX证书 Certificate          | Ⓜ II 2 G Ex db II B+H <sub>2</sub> T6/T5/T4 Gb<br>Ⓜ II 2 D Ex tb III C T80 C/T95 C/T130 C Db | 防爆合格证<br>Explosion-proof Certificate | Ex db II B+H <sub>2</sub> T6/T5/T4 Gb<br>Ex tb III C T80 C/T95 C/T130 C Db |

组件数据-标配 Component Data-Standard

| 图样 Pattern | 名称 Item                                | 材料 Material                    | 图样 Pattern | 名称 Item                      | 材料 Material               |
|------------|----------------------------------------|--------------------------------|------------|------------------------------|---------------------------|
|            | 安装底板<br>Mounting Base Plate            | 镀锌钢板<br>Galvanized Steel Sheet |            | 接地标识<br>Grounding Indication | 304不锈钢<br>Stainless Steel |
|            | 盖板紧固件<br>Fasteners for the Cover Plate | 304不锈钢<br>Stainless Steel      |            | 铰链<br>Hinge                  | 304不锈钢<br>Stainless Steel |
|            | 盖板密封圈<br>Cover Plate Sealing Ring      | 硅胶<br>Silicone                 |            | 安装脚<br>Mounting Foot         | Q235                      |
|            | 铭牌<br>Nameplate                        | 304不锈钢<br>Stainless Steel      |            | 拉手<br>Handle                 | 铝合金<br>Aluminum Alloy     |

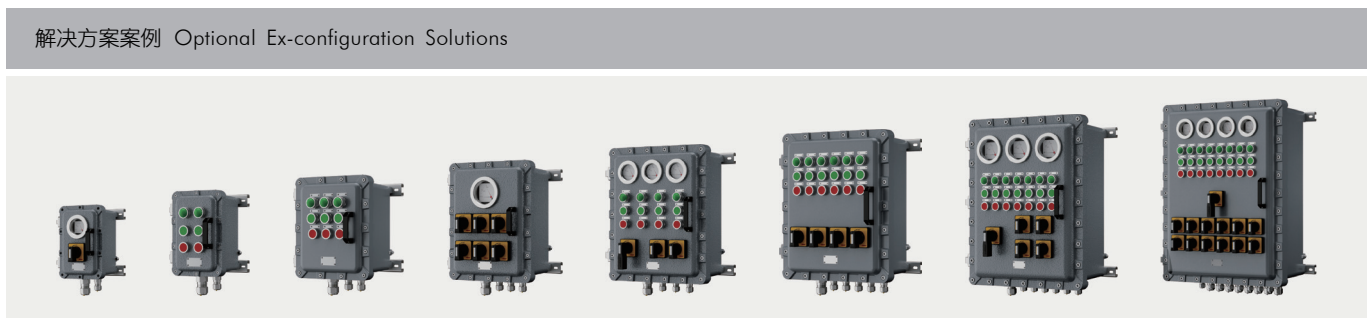


防爆电控盘装置  
Explosion-proof Electrical Control Panel Device



| → BST9110B系列 Series             |                                              |              |               |                                           |              |
|---------------------------------|----------------------------------------------|--------------|---------------|-------------------------------------------|--------------|
| 组件数据-选配 Component Data-Optional |                                              |              |               |                                           |              |
| 图样<br>Pattern                   | 名称<br>Item                                   | 备注<br>Remark | 图样<br>Pattern | 名称<br>Item                                | 备注<br>Remark |
|                                 | 防爆信号灯<br>Explosion-proof Signal Light        | BST          |               | 操作机构A<br>Operating Station A              | BST          |
|                                 | 防爆按钮<br>Explosion-proof Button               |              |               | 操作机构B<br>Operating Station B              |              |
|                                 | 防爆按钮（急停）<br>Explosion-proof E-stop Button    |              |               | 防爆观察窗模块<br>Explosion-proof Viewing Window |              |
|                                 | 防爆带灯按钮<br>Explosion-proof Illuminated Button |              |               | 隔爆呼吸阀<br>Explosion-proof Breathing Valve  |              |
|                                 | 防爆开关<br>Explosion-proof Switch               |              |               | 隔爆电缆固定头<br>Exd Cable Gland                |              |

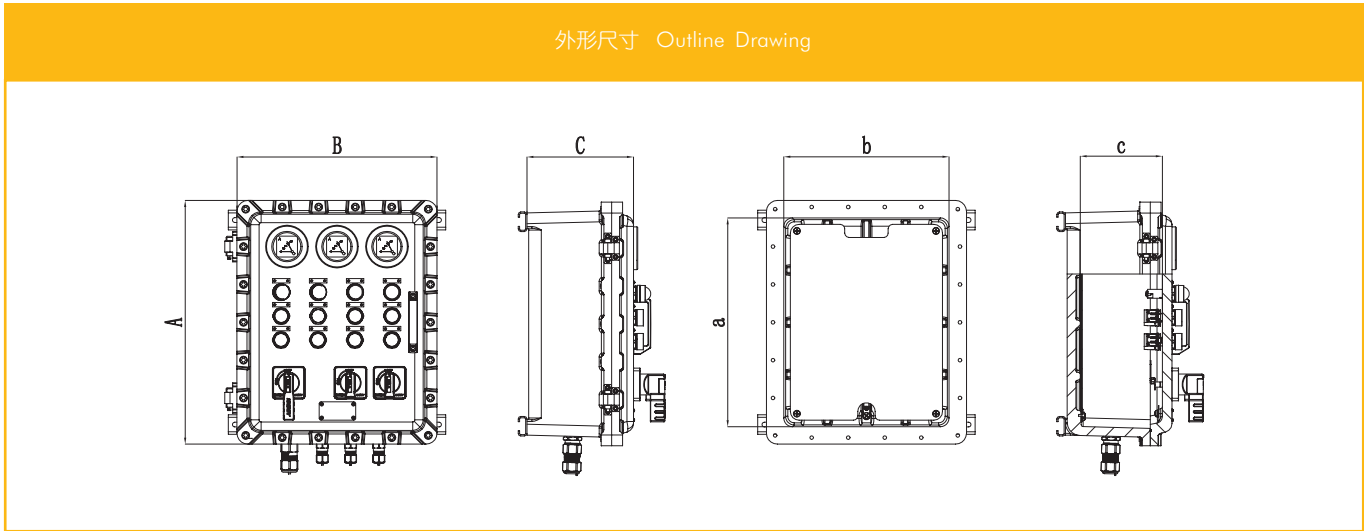
| 元件数据-选配 Component Data-Optional |                                      |                                     |               |                            |                                 |
|---------------------------------|--------------------------------------|-------------------------------------|---------------|----------------------------|---------------------------------|
| 图样<br>Pattern                   | 名称<br>Item                           | 备注<br>Remark                        | 图样<br>Pattern | 名称<br>Item                 | 备注<br>Remark                    |
|                                 | 断路器<br>Breaker                       | 施耐德 Schneider<br>ABB<br>西门子 Siemens |               | 接线端子<br>Terminal Blocks    | 魏德米勒 Weidmuller<br>菲尼克斯 Phoenix |
|                                 | 塑壳断路器<br>Molded Case Circuit Breaker | 施耐德 Schneider<br>ABB<br>西门子 Siemens |               | 浪涌保护器<br>Surge Protector   | 施耐德 Schneider<br>天津中力 C-Power   |
|                                 | PLC                                  | 施耐德 Schneider<br>ABB<br>西门子 Siemens |               | 时间继电器<br>Time Relay        | 施耐德 Schneider<br>欧姆龙 Omron      |
|                                 | 仪器仪表<br>Instrumentation              | 欧姆龙 Omron                           |               | 漏电保护器<br>Leakage Protector | 施耐德 Schneider                   |



防爆电控盘装置  
Explosion-proof Electrical Control Panel Device

| → BST9110B系列 Series            |             |                                        |                            |          |          |
|--------------------------------|-------------|----------------------------------------|----------------------------|----------|----------|
| 耗散功率数据 Dissipation Power Meter |             |                                        |                            |          |          |
| 序号<br>No.                      | 型号<br>Model | 最大耗散功率(W)<br>Maximum Dissipation Power | 箱体外形尺寸 Box Dimensions (mm) |          |          |
|                                |             |                                        | 长 long A                   | 宽 wide B | 高 high C |
| 1                              | BST9110012B | 50                                     | 300                        | 200      | 190      |
| 2                              | BST9110022B | 80                                     | 360                        | 300      | 245      |
| 3                              | BST9110032B | 150                                    | 460                        | 360      | 245      |
| 4                              | BST9110042B | 200                                    | 560                        | 460      | 245      |
| 5                              | BST9110052B | 220                                    | 560                        | 460      | 340      |
| 6                              | BST9110062B | 340                                    | 720                        | 560      | 245      |
| 7                              | BST9110072B | 400                                    | 720                        | 560      | 340      |
| 8                              | BST9110082B | 500                                    | 860                        | 660      | 340      |
| 9                              | BST9110092B | 650                                    | 860                        | 660      | 480      |

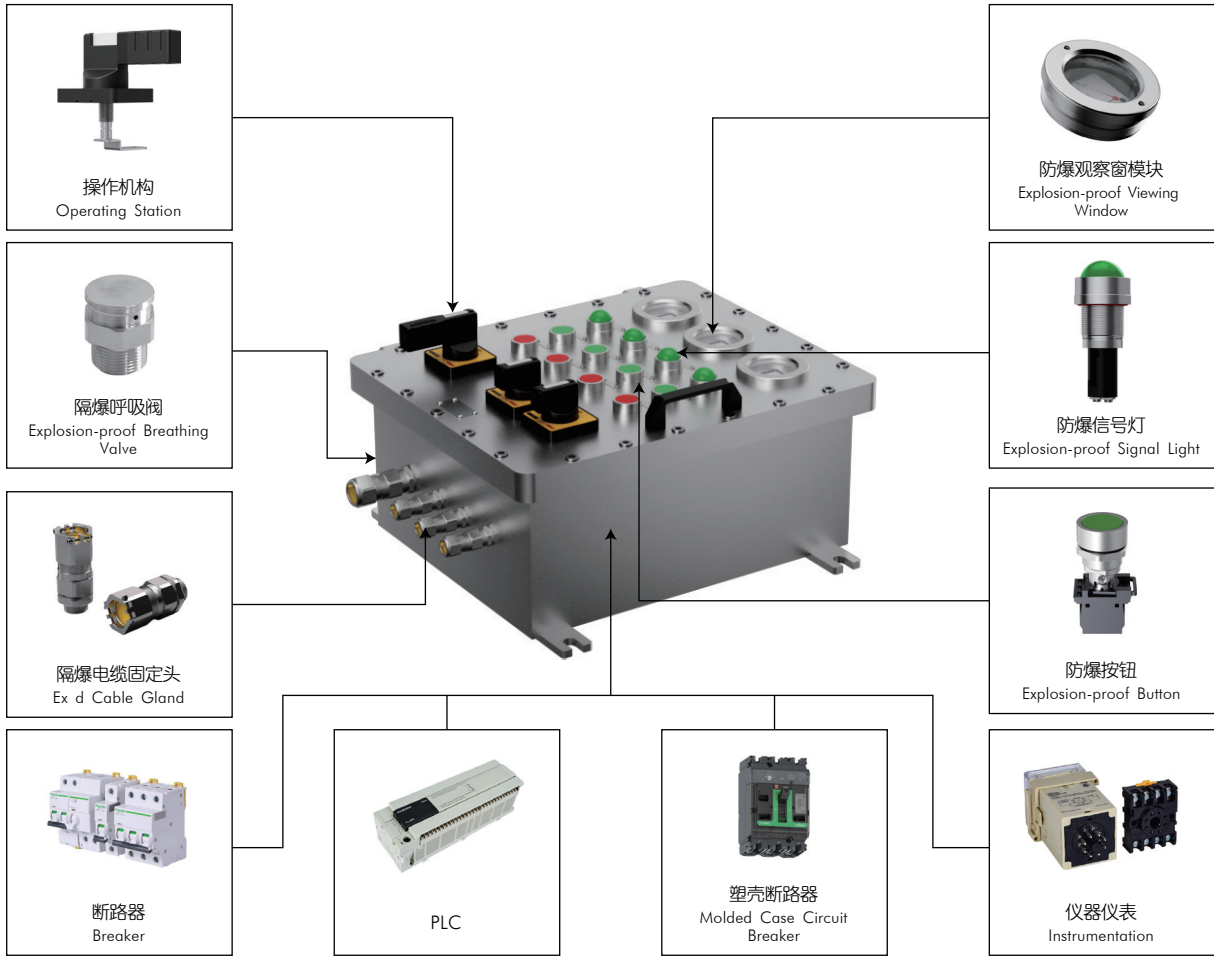
| 序号<br>No. | 箱体外形尺寸 Box Dimensions (mm) |          |          | 型号<br>Model | 电缆固定头安装面<br>Cable gland mount surface<br>F<br>D  E | 电缆固定头型号 Cable Gland Model |     |     |     |     |     |     |     |     |     |      |
|-----------|----------------------------|----------|----------|-------------|---------------------------------------------------------------------------------------------------------------------------------------|---------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|
|           | 长 long A                   | 宽 wide B | 高 high C |             |                                                                                                                                       | M16                       | M20 | M25 | M32 | M40 | M50 | M63 | M75 | M80 | M90 | M100 |
| 1         | 300                        | 200      | 190      | BST9110012B | D/E<br>F/G                                                                                                                            | 5                         | 4   | 3   | 2   | 1   | 1   | 1   | 1   | 1   | /   | /    |
| 2         | 360                        | 300      | 245      | BST9110022B |                                                                                                                                       | 8                         | 8   | 5   | 3   | 2   | 2   | 1   | 1   | 1   | /   | /    |
| 3         | 460                        | 360      | 245      | BST9110032B |                                                                                                                                       | 9                         | 8   | 6   | 4   | 3   | 2   | 1   | 1   | 1   | 1   | 1    |
| 4         | 560                        | 460      | 245      | BST9110042B |                                                                                                                                       | 12                        | 11  | 6   | 6   | 4   | 2   | 2   | 1   | 1   | 1   | 1    |
| 5         | 560                        | 460      | 340      | BST9110052B |                                                                                                                                       | 12                        | 8   | 6   | 5   | 3   | 2   | 2   | 1   | 1   | 1   | 1    |
| 6         | 720                        | 560      | 245      | BST9110062B |                                                                                                                                       | 17                        | 12  | 10  | 7   | 4   | 3   | 2   | 2   | 2   | 2   | 1    |
| 7         | 720                        | 560      | 340      | BST9110072B |                                                                                                                                       | 13                        | 12  | 10  | 6   | 4   | 3   | 2   | 2   | 2   | 2   | 1    |
| 8         | 860                        | 660      | 340      | BST9110082B |                                                                                                                                       | 16                        | 14  | 12  | 8   | 5   | 3   | 3   | 2   | 2   | 2   | 2    |
| 9         | 860                        | 660      | 480      | BST9110092B |                                                                                                                                       | 24                        | 24  | 15  | 11  | 6   | 5   | 3   | 2   | 2   | 2   | 2    |
|           |                            |          |          |             |                                                                                                                                       | 32                        | 28  | 18  | 14  | 8   | 6   | 4   | 3   | 3   | 3   | 2    |
|           |                            |          |          |             |                                                                                                                                       | 16                        | 14  | 8   | 5   | 4   | 3   | 3   | 2   | 2   | /   | /    |
|           |                            |          |          |             |                                                                                                                                       | 20                        | 20  | 11  | 7   | 5   | 4   | 3   | 3   | 3   | /   | /    |
|           |                            |          |          |             |                                                                                                                                       | 30                        | 23  | 18  | 10  | 8   | 5   | 3   | 2   | 2   | 2   | 2    |
|           |                            |          |          |             |                                                                                                                                       | 40                        | 32  | 24  | 13  | 10  | 7   | 4   | 3   | 3   | 3   | 2    |
|           |                            |          |          |             |                                                                                                                                       | 31                        | 24  | 20  | 12  | 10  | 6   | 4   | 3   | 3   | 2   | 2    |
|           |                            |          |          |             |                                                                                                                                       | 43                        | 36  | 27  | 16  | 13  | 8   | 5   | 4   | 4   | 3   | 3    |
|           |                            |          |          |             |                                                                                                                                       | 54                        | 44  | 28  | 24  | 15  | 9   | 6   | 6   | 5   | 4   | 3    |
|           |                            |          |          |             |                                                                                                                                       | 78                        | 67  | 41  | 32  | 20  | 13  | 8   | 8   | 7   | 5   | 4    |



防爆电控盘装置  
Explosion-proof Electrical Control Panel Device



→ BST9130B系列 Series



产品描述 Product Description

1. 外壳采用不锈钢(304、316、316L)材质，表面拉丝处理，外露紧固件强度为A2-70不锈钢材质。
  2. 组成部分：安装底板、接地标识、安装脚、盖板紧固件、盖板密封圈、铰链、拉手、铭牌、导轨（接线端子、隔爆呼吸阀、隔爆电缆固定头可根据客户要求配置，客户也可自购自装）。
  3. 装置整机可选装带法兰板认证的箱体结构，格兰孔可根据用户情况自行定开孔，方便现场施工维护。
1. The enclosure is made of stainless steel (304, 316, 316L), with a brushed surface treatment. The exposed fasteners are made of A2 - 70 stainless steel.
  2. Components: Installation base plate, grounding mark, installation feet, cover fasteners, cover sealing ring, hinge, handle, nameplate, guide rail (Wiring terminals, explosion-proof breather valve, and explosion-proof cable gland can be configured according to the customer's requirements. Customers can also purchase and install them by themselves).
  3. The entire unit can be optionally equipped with a certified gland plate structure: Gland holes can be custom-drilled on-site according to user specifications, ensuring ease of installation and maintenance.

产品FAB The FAB of the Product

|              |                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|--------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 特点 Features  | 工作环境温度 Working environment temperature: -55℃~+130℃, 测试温度 Testing temperature: -60℃~+150℃<br>隔爆箱可在IIB+氢气环境中使用 The Ex d box can be used in the IIB + hydrogen environment.<br>隔爆箱面板Ex元件均取认证 All Ex components on the Ex d box panel are certified.<br>隔爆箱壁厚20mm以上，箱体强度高，水压测试可达到2.4MPa<br>The wall thickness of the Ex d box is over 20mm, with high strength, and it can withstand a water pressure test of up to 2.4MPa.<br>防护等级 IP Rating: IP66 |
| 优点 Advantage | 国内外证书齐全：IECEX、ATEX、CCC、防爆合格证。<br>It has a full range of domestic and foreign certificates, such as IECEX, ATEX, CCC and Explosion-proof Certificate.<br>规格种类齐全，一共有9种规格，最小规格是300x220x190mm，最大规格是860x660x415mm。<br>There are 9 specifications in total, ranging from the smallest 300x220x190mm (unit unspecified) to the largest 860x660x415mm (unit unspecified).                                                                               |
| 价值 Benefit   | 纯隔爆型安全系数更高-国内 The pure Ex d type has a higher safety factor - in the domestic market.<br>可接受OEM、ODM合作方式（保密性、隐蔽性更强）-国外<br>OEM and ODM cooperation modes are acceptable (with stronger confidentiality and concealment) - in the overseas market.                                                                                                                                                                                                 |



防爆电控盘装置  
Explosion-proof Electrical Control Panel Device

→ BST9130B系列 Series



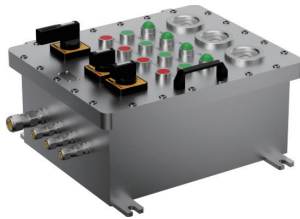
适用范围 Application Scope: 爆炸性气体环境1区、2区；爆炸性粉尘环境21区、22区  
Zone 1 and Zone 2 in Explosive Gas Atmospheres;  
Zone 21 and Zone 22 in Explosive Dust Atmospheres.

防护等级 IP Rating: IP66

抗冲击性能 Impact Resistance: 10J

使用环境温度 Ambient Temperature: -55℃≤Ta≤+60℃

材料 Material: 不锈钢 Stainless Steel (304、316、316L)



认证数据 Authentication Certificate

| 认证类别 Certification Category | 防爆标志 Ex-Mark                                                                                  | 认证类别 Certification Category          | 防爆标志 Ex-Mark                                                              |
|-----------------------------|-----------------------------------------------------------------------------------------------|--------------------------------------|---------------------------------------------------------------------------|
| IECEX证书 Certificate         | Ex db IIB+H <sub>2</sub> T6/T5/T4 Gb<br>Ex tb III C T80 C/T95 C/T130 C Db                     | CCC证书 Certificate                    | Ex db IIB+H <sub>2</sub> T6/T5/T4 Gb<br>Ex tb III C T80 C/T95 C/T130 C Db |
| ATEX证书 Certificate          | ⊕ IIB 2 G Ex db IIB+H <sub>2</sub> T6/T5/T4 Gb<br>⊕ IIB 2 D Ex tb III C T80 C/T95 C/T130 C Db | 防爆合格证<br>Explosion-proof Certificate | Ex db IIB+H <sub>2</sub> T6/T5/T4 Gb<br>Ex tb III C T80 C/T95 C/T130 C Db |

组件数据-标配 Component Data-Standard

| 图样 Pattern | 名称 Item                                | 材料 Material                    | 图样 Pattern | 名称 Item                      | 材料 Material               |
|------------|----------------------------------------|--------------------------------|------------|------------------------------|---------------------------|
|            | 安装底板<br>Mounting Base Plate            | 镀锌钢板<br>Galvanized Steel Sheet |            | 接地标识<br>Grounding Indication | 304不锈钢<br>Stainless Steel |
|            | 盖板紧固件<br>Fasteners for the Cover Plate | 304不锈钢<br>Stainless Steel      |            | 铰链<br>Hinge                  | 304不锈钢<br>Stainless Steel |
|            | 盖板密封圈<br>Cover Plate Sealing Ring      | 硅胶<br>Silicone                 |            | 安装脚<br>Mounting Foot         | Q235                      |
|            | 铭牌<br>Nameplate                        | 304不锈钢<br>Stainless Steel      |            | 拉手<br>Handle                 | 铝合金<br>Aluminum Alloy     |



防爆电控盘装置  
Explosion-proof Electrical Control Panel Device



| → BST9130B系列 Series             |                                              |              |               |                                           |              |
|---------------------------------|----------------------------------------------|--------------|---------------|-------------------------------------------|--------------|
| 组件数据-选配 Component Data-Optional |                                              |              |               |                                           |              |
| 图样<br>Pattern                   | 名称<br>Item                                   | 备注<br>Remark | 图样<br>Pattern | 名称<br>Item                                | 备注<br>Remark |
|                                 | 防爆信号灯<br>Explosion-proof Signal Light        | BST          |               | 操作机构A<br>Operating Station A              | BST          |
|                                 | 防爆按钮<br>Explosion-proof Button               |              |               | 操作机构B<br>Operating Station B              |              |
|                                 | 防爆按钮（急停）<br>Explosion-proof E-stop Button    |              |               | 防爆观察窗模块<br>Explosion-proof Viewing Window |              |
|                                 | 防爆带灯按钮<br>Explosion-proof Illuminated Button |              |               | 隔爆呼吸阀<br>Explosion-proof Breathing Valve  |              |
|                                 | 防爆开关<br>Explosion-proof Switch               |              |               | 隔爆电缆固定头<br>Exd Cable Gland                |              |

| 元件数据-选配 Component Data-Optional |                                      |                                     |               |                            |                                 |
|---------------------------------|--------------------------------------|-------------------------------------|---------------|----------------------------|---------------------------------|
| 图样<br>Pattern                   | 名称<br>Item                           | 备注<br>Remark                        | 图样<br>Pattern | 名称<br>Item                 | 备注<br>Remark                    |
|                                 | 断路器<br>Breaker                       | 施耐德 Schneider<br>ABB<br>西门子 Siemens |               | 接线端子<br>Terminal Blocks    | 魏德米勒 Weidmuller<br>菲尼克斯 Phoenix |
|                                 | 塑壳断路器<br>Molded Case Circuit Breaker | 施耐德 Schneider<br>ABB<br>西门子 Siemens |               | 浪涌保护器<br>Surge Protector   | 施耐德 Schneider<br>天津中力 C-Power   |
|                                 | PLC                                  | 施耐德 Schneider<br>ABB<br>西门子 Siemens |               | 时间继电器<br>Time Relay        | 施耐德 Schneider<br>欧姆龙 Omron      |
|                                 | 仪器仪表<br>Instrumentation              | 欧姆龙 Omron                           |               | 漏电保护器<br>Leakage Protector | 施耐德 Schneider                   |

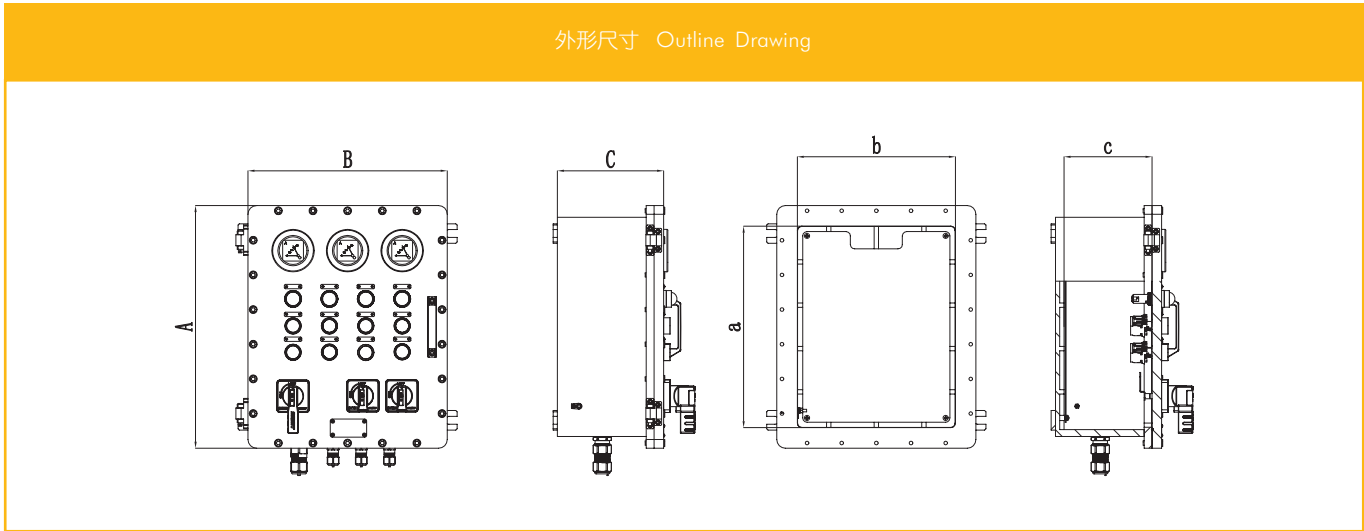
解决方案案例 Optional Ex-configuration Solutions



防爆电控盘装置  
Explosion-proof Electrical Control Panel Device

| → BST9130B系列 Series            |             |                                        |                            |          |          |
|--------------------------------|-------------|----------------------------------------|----------------------------|----------|----------|
| 耗散功率数据 Dissipation Power Meter |             |                                        |                            |          |          |
| 序号<br>No.                      | 型号<br>Model | 最大耗散功率(W)<br>Maximum Dissipation Power | 箱体外形尺寸 Box Dimensions (mm) |          |          |
|                                |             |                                        | 长 long A                   | 宽 wide B | 高 high C |
| 1                              | BST9130012B | 55                                     | 300                        | 200      | 190      |
| 2                              | BST9130022B | 85                                     | 360                        | 300      | 190      |
| 3                              | BST9130032B | 200                                    | 460                        | 360      | 245      |
| 4                              | BST9130042B | 230                                    | 560                        | 460      | 245      |
| 5                              | BST9130052B | 300                                    | 560                        | 460      | 340      |
| 6                              | BST9130062B | 440                                    | 720                        | 560      | 245      |
| 7                              | BST9130072B | 500                                    | 720                        | 560      | 340      |
| 8                              | BST9130082B | 550                                    | 860                        | 660      | 245      |
| 9                              | BST9130092B | 650                                    | 860                        | 660      | 415      |

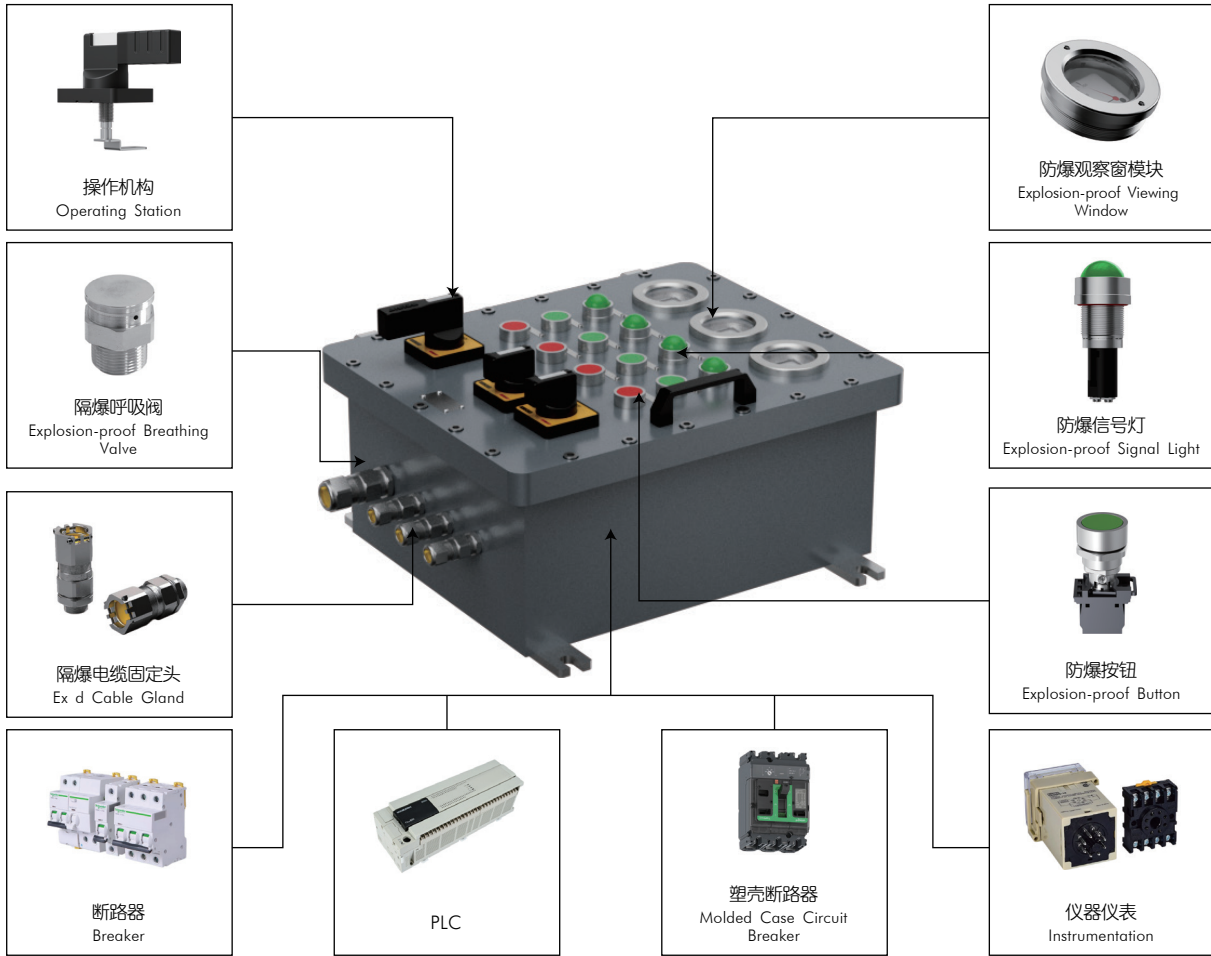
| 序号<br>No. | 箱体外形尺寸 Box Dimensions (mm) |          |          | 型号<br>Model | 电缆固定头安装面<br>Cable gland mount surface<br>F<br>D  E<br>G | 电缆固定头型号 Cable Gland Model |     |     |     |     |     |     |     |     |     |      |
|-----------|----------------------------|----------|----------|-------------|---------------------------------------------------------|---------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|
|           | 长 long A                   | 宽 wide B | 高 high C |             |                                                         | M16                       | M20 | M25 | M32 | M40 | M50 | M63 | M75 | M80 | M90 | M100 |
| 1         | 300                        | 200      | 190      | BST9130012B | D/E<br>F/G                                              | 11                        | 6   | 6   | 4   | 2   | 2   | 1   | 1   | 1   | 1   | 1    |
| 2         | 360                        | 300      | 190      | BST9130022B |                                                         | 15                        | 10  | 8   | 6   | 3   | 2   | 2   | 1   | 1   | 1   | 1    |
| 3         | 460                        | 360      | 245      | BST9130032B |                                                         | 18                        | 8   | 8   | 6   | 3   | 2   | 2   | 1   | 1   | 1   | 1    |
| 4         | 560                        | 460      | 245      | BST9130042B |                                                         | 18                        | 15  | 12  | 8   | 6   | 3   | 2   | 2   | 2   | 1   | 1    |
| 5         | 560                        | 460      | 340      | BST9130052B |                                                         | 24                        | 21  | 17  | 10  | 8   | 3   | 3   | 2   | 2   | 2   | 2    |
| 6         | 720                        | 560      | 245      | BST9130062B |                                                         | 21                        | 21  | 10  | 8   | 8   | 3   | 3   | 2   | 2   | 2   | 2    |
| 7         | 720                        | 560      | 340      | BST9130072B |                                                         | 27                        | 24  | 14  | 12  | 10  | 4   | 3   | 3   | 3   | 2   | 2    |
| 8         | 860                        | 660      | 245      | BST9130082B |                                                         | 35                        | 34  | 20  | 12  | 11  | 6   | 5   | 4   | 2   | 2   | 2    |
| 9         | 860                        | 660      | 415      | BST9130092B |                                                         | 45                        | 40  | 28  | 18  | 14  | 8   | 6   | 5   | 3   | 3   | 3    |
|           |                            |          |          |             |                                                         | 27                        | 24  | 16  | 10  | 9   | 4   | 3   | 3   | 2   | 2   | 2    |
|           |                            |          |          |             |                                                         | 36                        | 33  | 18  | 14  | 12  | 5   | 4   | 3   | 3   | 3   | 3    |
|           |                            |          |          |             |                                                         | 45                        | 32  | 21  | 15  | 10  | 8   | 6   | 3   | 3   | 2   | 2    |
|           |                            |          |          |             |                                                         | 60                        | 44  | 35  | 21  | 12  | 10  | 8   | 4   | 4   | 3   | 3    |
|           |                            |          |          |             |                                                         | 33                        | 30  | 16  | 13  | 11  | 4   | 4   | 3   | 3   | 3   | 3    |
|           |                            |          |          |             |                                                         | 42                        | 39  | 26  | 18  | 14  | 6   | 5   | 4   | 4   | 3   | 3    |
|           |                            |          |          |             |                                                         | 55                        | 40  | 31  | 20  | 10  | 8   | 7   | 3   | 3   | 3   | 3    |
|           |                            |          |          |             |                                                         | 70                        | 52  | 43  | 27  | 14  | 12  | 10  | 4   | 4   | 4   | 3    |



防爆电控盘装置  
Explosion-proof Electrical Control Panel Device



→ BST9140B系列 Series



产品描述 Product Description

1. 外壳采用碳钢材质，表面进行喷涂纯环氧树脂粉末，外露紧固件强度为A2-70不锈钢材质。
  2. 组成部分：安装底板、接地标识、安装脚、盖板紧固件、盖板密封圈、铰链、拉手、铭牌、导轨（隔爆接线端子、防爆呼吸阀、隔爆电缆固定头可根据客户要求配置，客户也可自购自装）。
  3. 装置整机可选装带法兰板认证的箱体结构，格兰孔可根据用户情况定自开孔，方便现场施工维护。
1. The enclosure is made of carbon steel, and its surface is sprayed with pure epoxy resin powder. The exposed fasteners are made of A2 - 70 stainless steel.
2. Components: mounting base plate, grounding sign, mounting feet, cover plate fasteners, cover plate sealing ring, hinge, handle, nameplate, guide rail. (Ex d terminal blocks, explosion - proof breather valves, and Ex d cable glands can be configured according to customer requirements. Customers can also purchase and install them by themselves.)
3. The entire unit can be optionally equipped with a certified gland plate structure: Gland holes can be custom-drilled on-site according to user specifications, ensuring ease of installation and maintenance.

产品FAB The FAB of the Product

|              |                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|--------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 特点 Features  | 工作环境温度 Working environment temperature: -55℃~+130℃, 测试温度 Testing temperature: -60℃~+150℃<br>隔爆箱可在IIB+氢气环境中使用 The Ex d box can be used in the IIB + hydrogen environment.<br>隔爆箱面板Ex元件均取认证 All Ex components on the Ex d box panel are certified.<br>隔爆箱壁厚20mm以上，箱体强度高，水压测试可达到2.4MPa<br>The wall thickness of the Ex d box is over 20mm, with high strength, and it can withstand a water pressure test of up to 2.4MPa.<br>防护等级 IP Rating: IP66 |
| 优点 Advantage | 国内外证书齐全：IECEX、ATEX、CCC、防爆合格证。<br>It has a full range of domestic and foreign certificates, such as IECEX, ATEX, CCC and Explosion-proof Certificate.<br>规格种类齐全，一共有9种规格，最小规格是300x220x190mm，最大规格是860x660x415mm。<br>There are 9 specifications in total, ranging from the smallest 300x220x190mm (unit unspecified) to the largest 860x660x415mm (unit unspecified).                                                                               |
| 价值 Benefit   | 纯隔爆型安全系数更高-国内 The pure Ex d type has a higher safety factor - in the domestic market.<br>可接受OEM、ODM合作方式（保密性、隐蔽性更强）-国外<br>OEM and ODM cooperation modes are acceptable (with stronger confidentiality and concealment) - in the overseas market.                                                                                                                                                                                                 |

防爆电控盘装置  
Explosion-proof Electrical Control Panel Device



→ BST9140B系列 Series



适用范围 Application Scope: 爆炸性气体环境1区、2区；爆炸性粉尘环境21区、22区  
Zone 1 and Zone 2 in Explosive Gas Atmospheres;  
Zone 21 and Zone 22 in Explosive Dust Atmospheres.

防护等级 IP Rating: IP66

抗冲击性能 Impact Resistance: 10J

使用环境温度 Ambient Temperature: -55℃≤Ta≤+60℃

材料 Material: 碳钢 Carbon Steel (Q235)



认证数据 Authentication Certificate

| 认证类别 Certification Category | 防爆标志 Ex-Mark                                                                                 | 认证类别 Certification Category          | 防爆标志 Ex-Mark                                                               |
|-----------------------------|----------------------------------------------------------------------------------------------|--------------------------------------|----------------------------------------------------------------------------|
| IECEX证书 Certificate         | Ex db II B+H <sub>2</sub> T6/T5/T4 Gb<br>Ex tb III C T80 C/T95 C/T130 C Db                   | CCC证书 Certificate                    | Ex db II B+H <sub>2</sub> T6/T5/T4 Gb<br>Ex tb III C T80 C/T95 C/T130 C Db |
| ATEX证书 Certificate          | ⊕ II 2 G Ex db II B+H <sub>2</sub> T6/T5/T4 Gb<br>⊕ II 2 D Ex tb III C T80 C/T95 C/T130 C Db | 防爆合格证<br>Explosion-proof Certificate | Ex db II B+H <sub>2</sub> T6/T5/T4 Gb<br>Ex tb III C T80 C/T95 C/T130 C Db |

组件数据-标配 Component Data-Standard

| 图样 Pattern | 名称 Item                                | 材料 Material                    | 图样 Pattern | 名称 Item                      | 材料 Material               |
|------------|----------------------------------------|--------------------------------|------------|------------------------------|---------------------------|
|            | 安装底板<br>Mounting Base Plate            | 镀锌钢板<br>Galvanized Steel Sheet |            | 接地标识<br>Grounding Indication | 304不锈钢<br>Stainless Steel |
|            | 盖板紧固件<br>Fasteners for the Cover Plate | 304不锈钢<br>Stainless Steel      |            | 铰链<br>Hinge                  | 304不锈钢<br>Stainless Steel |
|            | 盖板密封圈<br>Cover Plate Sealing Ring      | 硅胶<br>Silicone                 |            | 安装脚<br>Mounting Foot         | Q235                      |
|            | 铭牌<br>Nameplate                        | 304不锈钢<br>Stainless Steel      |            | 拉手<br>Handle                 | 铝合金<br>Aluminum Alloy     |

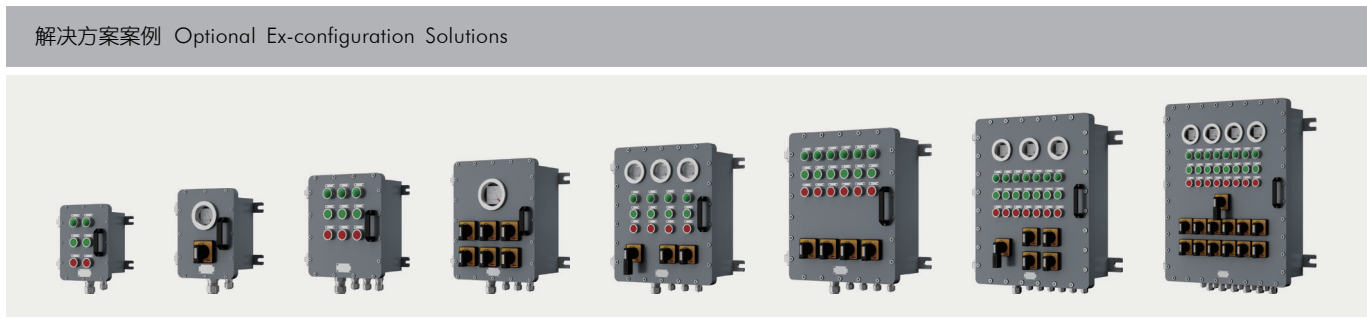


防爆电控盘装置  
Explosion-proof Electrical Control Panel Device



| → BST9140B系列 Series             |                                              |              |               |                                           |              |
|---------------------------------|----------------------------------------------|--------------|---------------|-------------------------------------------|--------------|
| 组件数据-选配 Component Data-Optional |                                              |              |               |                                           |              |
| 图样<br>Pattern                   | 名称<br>Item                                   | 备注<br>Remark | 图样<br>Pattern | 名称<br>Item                                | 备注<br>Remark |
|                                 | 防爆信号灯<br>Explosion-proof Signal Light        | BST          |               | 操作机构A<br>Operating Station A              | BST          |
|                                 | 防爆按钮<br>Explosion-proof Button               |              |               | 操作机构B<br>Operating Station B              |              |
|                                 | 防爆按钮（急停）<br>Explosion-proof E-stop Button    |              |               | 防爆观察窗模块<br>Explosion-proof Viewing Window |              |
|                                 | 防爆带灯按钮<br>Explosion-proof Illuminated Button |              |               | 隔爆呼吸阀<br>Explosion-proof Breathing Valve  |              |
|                                 | 防爆开关<br>Explosion-proof Switch               |              |               | 隔爆电缆固定头<br>Exd Cable Gland                |              |

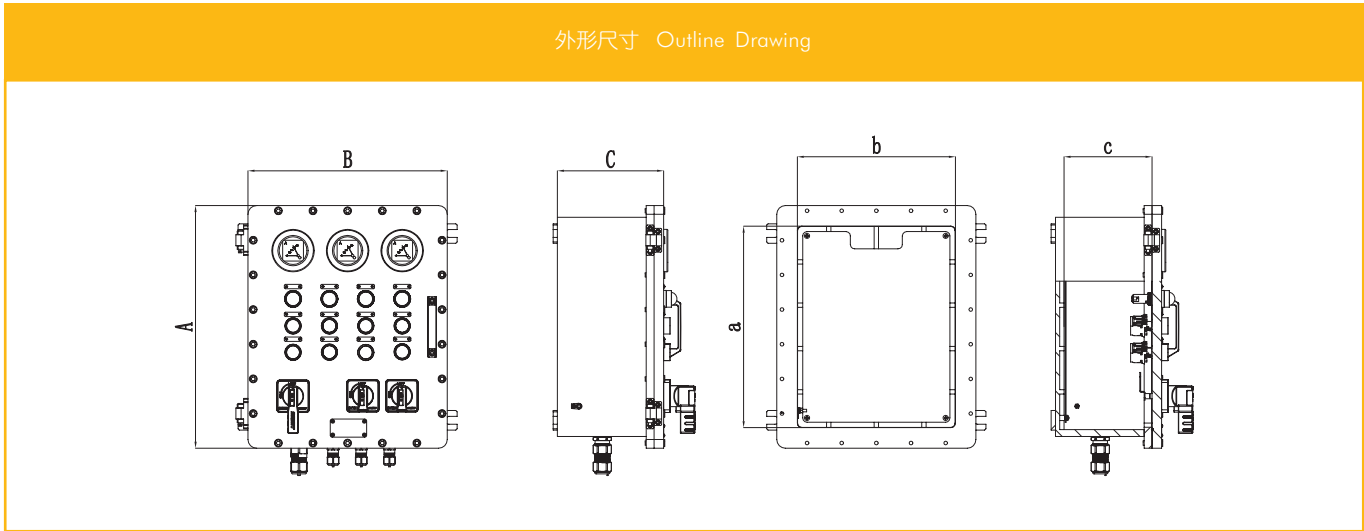
| 元件数据-选配 Component Data-Optional |                                      |                                     |               |                            |                                 |
|---------------------------------|--------------------------------------|-------------------------------------|---------------|----------------------------|---------------------------------|
| 图样<br>Pattern                   | 名称<br>Item                           | 备注<br>Remark                        | 图样<br>Pattern | 名称<br>Item                 | 备注<br>Remark                    |
|                                 | 断路器<br>Breaker                       | 施耐德 Schneider<br>ABB<br>西门子 Siemens |               | 接线端子<br>Terminal Blocks    | 魏德米勒 Weidmuller<br>菲尼克斯 Phoenix |
|                                 | 塑壳断路器<br>Molded Case Circuit Breaker | 施耐德 Schneider<br>ABB<br>西门子 Siemens |               | 浪涌保护器<br>Surge Protector   | 施耐德 Schneider<br>天津中力 C-Power   |
|                                 | PLC                                  | 施耐德 Schneider<br>ABB<br>西门子 Siemens |               | 时间继电器<br>Time Relay        | 施耐德 Schneider<br>欧姆龙 Omron      |
|                                 | 仪器仪表<br>Instrumentation              | 欧姆龙 Omron                           |               | 漏电保护器<br>Leakage Protector | 施耐德 Schneider                   |



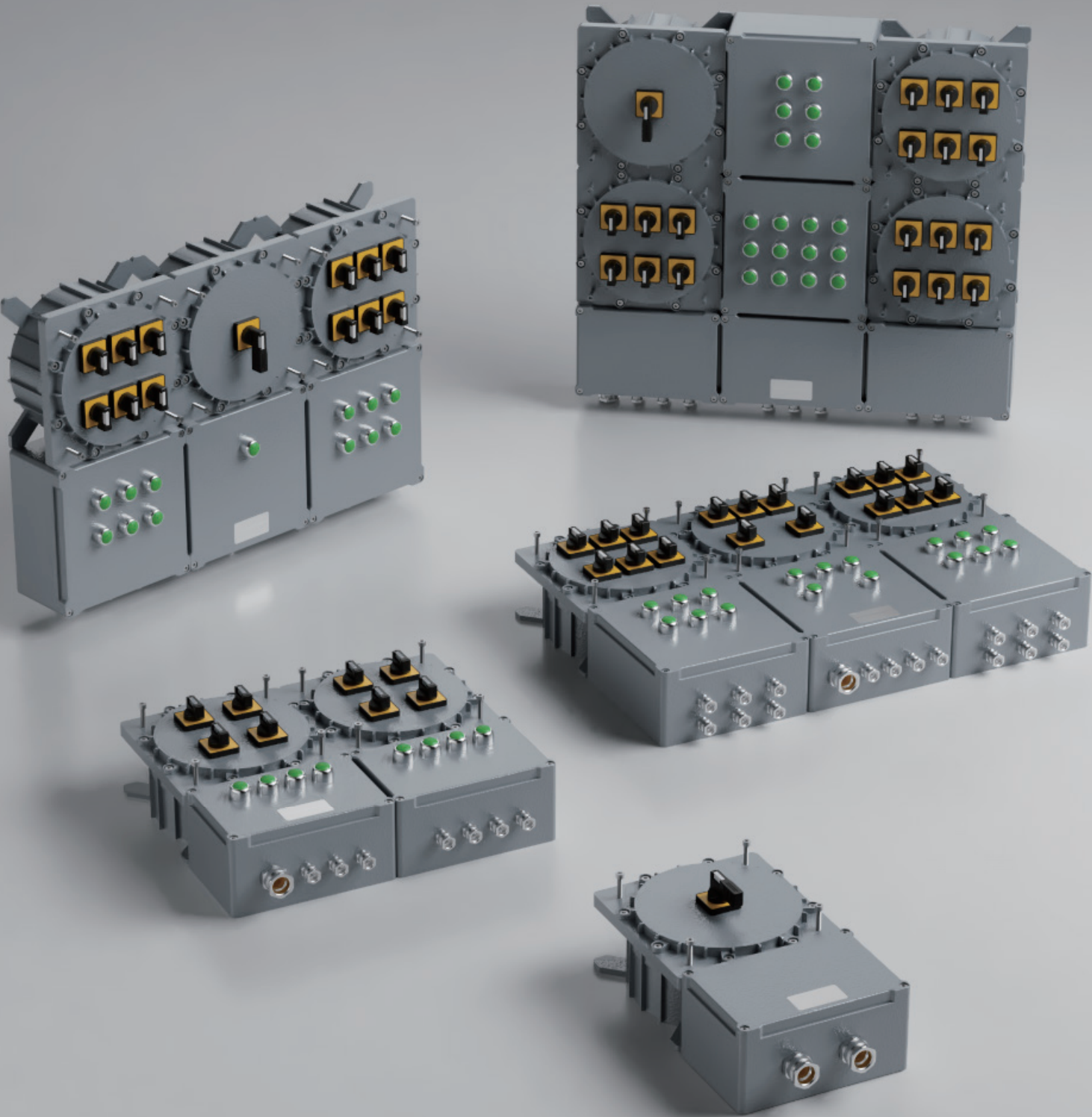
防爆电控盘装置  
Explosion-proof Electrical Control Panel Device

| → BST9140B系列 Series            |             |                                        |                            |          |          |
|--------------------------------|-------------|----------------------------------------|----------------------------|----------|----------|
| 耗散功率数据 Dissipation Power Meter |             |                                        |                            |          |          |
| 序号<br>No.                      | 型号<br>Model | 最大耗散功率(W)<br>Maximum Dissipation Power | 箱体外形尺寸 Box Dimensions (mm) |          |          |
|                                |             |                                        | 长 long A                   | 宽 wide B | 高 high C |
| 1                              | BST9140012B | 55                                     | 300                        | 200      | 190      |
| 2                              | BST9140022B | 85                                     | 360                        | 300      | 190      |
| 3                              | BST9140032B | 200                                    | 460                        | 360      | 245      |
| 4                              | BST9140042B | 230                                    | 560                        | 460      | 245      |
| 5                              | BST9140052B | 300                                    | 560                        | 460      | 340      |
| 6                              | BST9140062B | 440                                    | 720                        | 560      | 245      |
| 7                              | BST9140072B | 500                                    | 720                        | 560      | 340      |
| 8                              | BST9140082B | 550                                    | 860                        | 660      | 245      |
| 9                              | BST9140092B | 650                                    | 860                        | 660      | 415      |

| 序号<br>No. | 箱体外形尺寸 Box Dimensions (mm) |          |          | 型号<br>Model | 电缆固定头安装面<br>Cable gland mount surface<br>F<br>D  E<br>G | 电缆固定头型号 Cable Gland Model |     |     |     |     |     |     |     |     |     |      |
|-----------|----------------------------|----------|----------|-------------|--------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|
|           | 长 long A                   | 宽 wide B | 高 high C |             |                                                                                                                                            | M16                       | M20 | M25 | M32 | M40 | M50 | M63 | M75 | M80 | M90 | M100 |
| 1         | 300                        | 200      | 190      | BST9140012B | D/E<br>F/G                                                                                                                                 | 11                        | 6   | 6   | 4   | 2   | 2   | 1   | 1   | 1   | 1   | 1    |
| 2         | 360                        | 300      | 190      | BST9140022B |                                                                                                                                            | 15                        | 10  | 8   | 6   | 3   | 2   | 2   | 1   | 1   | 1   | 1    |
| 3         | 460                        | 360      | 245      | BST9140032B |                                                                                                                                            | 18                        | 8   | 8   | 6   | 3   | 2   | 2   | 1   | 1   | 1   | 1    |
| 4         | 560                        | 460      | 245      | BST9140042B |                                                                                                                                            | 18                        | 15  | 12  | 8   | 6   | 3   | 2   | 2   | 2   | 1   | 1    |
| 5         | 560                        | 460      | 340      | BST9140052B |                                                                                                                                            | 24                        | 21  | 17  | 10  | 8   | 3   | 3   | 2   | 2   | 2   | 2    |
| 6         | 720                        | 560      | 245      | BST9140062B |                                                                                                                                            | 21                        | 21  | 10  | 8   | 8   | 3   | 3   | 2   | 2   | 2   | 2    |
| 7         | 720                        | 560      | 340      | BST9140072B |                                                                                                                                            | 27                        | 24  | 14  | 12  | 10  | 4   | 3   | 3   | 3   | 2   | 2    |
| 8         | 860                        | 660      | 245      | BST9140082B |                                                                                                                                            | 35                        | 34  | 20  | 12  | 11  | 6   | 5   | 4   | 2   | 2   | 2    |
| 9         | 860                        | 660      | 415      | BST9140092B |                                                                                                                                            | 45                        | 40  | 28  | 18  | 14  | 8   | 6   | 5   | 3   | 3   | 3    |
|           |                            |          |          |             |                                                                                                                                            | 27                        | 24  | 16  | 10  | 9   | 4   | 3   | 3   | 2   | 2   | 2    |
|           |                            |          |          |             |                                                                                                                                            | 36                        | 33  | 18  | 14  | 12  | 5   | 4   | 3   | 3   | 3   | 3    |
|           |                            |          |          |             |                                                                                                                                            | 45                        | 32  | 21  | 15  | 10  | 8   | 6   | 3   | 3   | 2   | 2    |
|           |                            |          |          |             |                                                                                                                                            | 60                        | 44  | 35  | 21  | 12  | 10  | 8   | 4   | 4   | 3   | 3    |
|           |                            |          |          |             |                                                                                                                                            | 33                        | 30  | 16  | 13  | 11  | 4   | 4   | 3   | 3   | 3   | 3    |
|           |                            |          |          |             |                                                                                                                                            | 42                        | 39  | 26  | 18  | 14  | 6   | 5   | 4   | 4   | 3   | 3    |
|           |                            |          |          |             |                                                                                                                                            | 55                        | 40  | 31  | 20  | 10  | 8   | 7   | 3   | 3   | 3   | 3    |
|           |                            |          |          |             |                                                                                                                                            | 70                        | 52  | 43  | 27  | 14  | 12  | 10  | 4   | 4   | 4   | 3    |



复合型防爆箱  
Combination Explosion-proof Enclosure



复合型防爆箱选型指南  
Selection Guide Combination Explosion-proof Enclosure

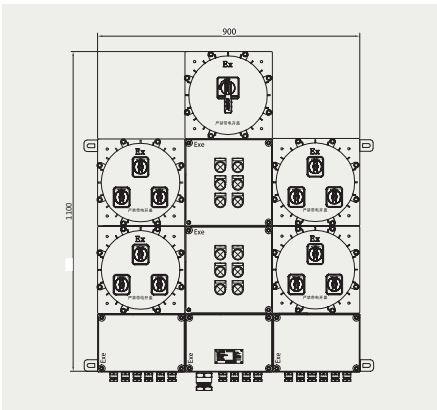
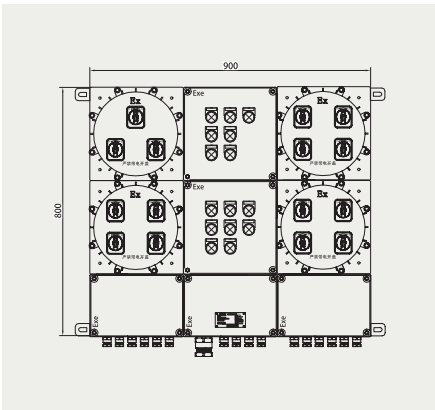
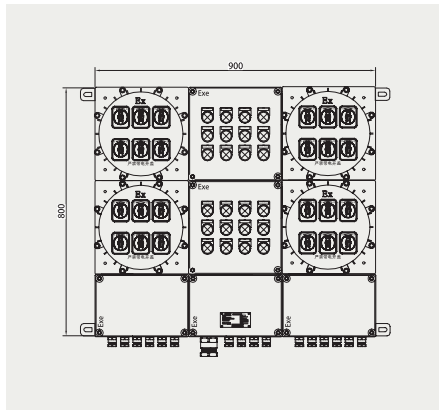
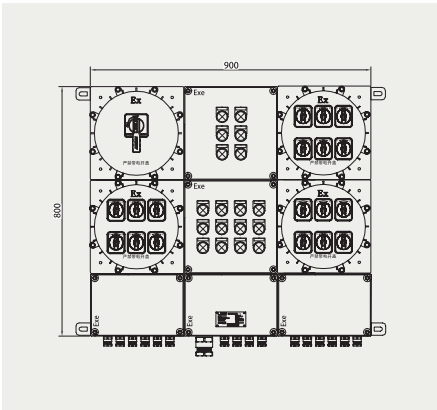
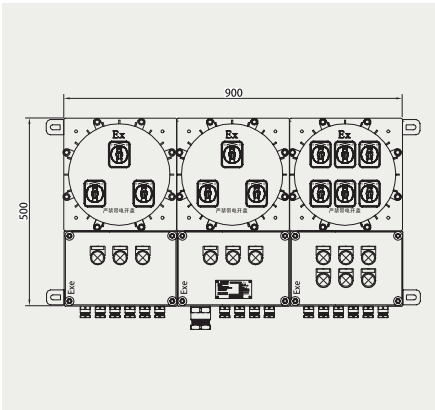
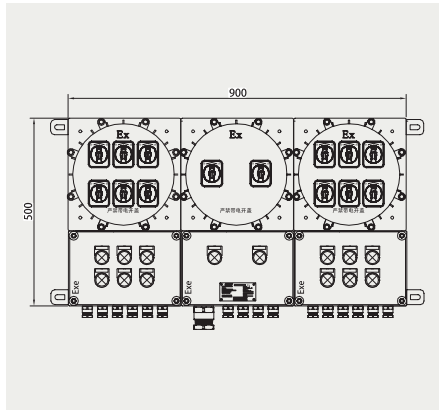
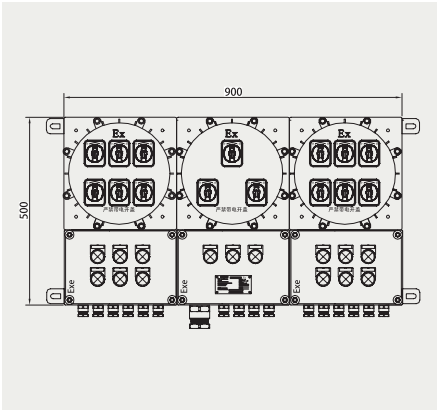
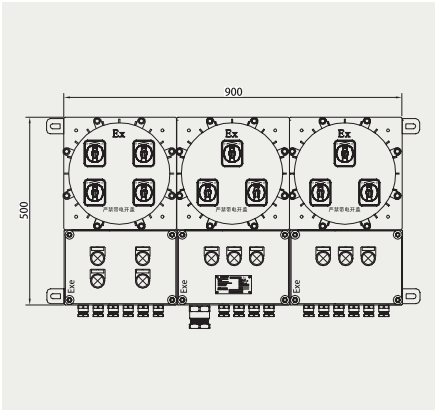
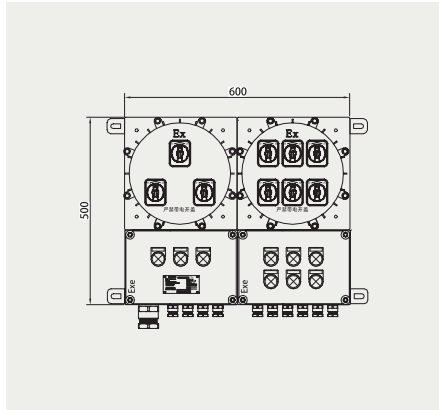
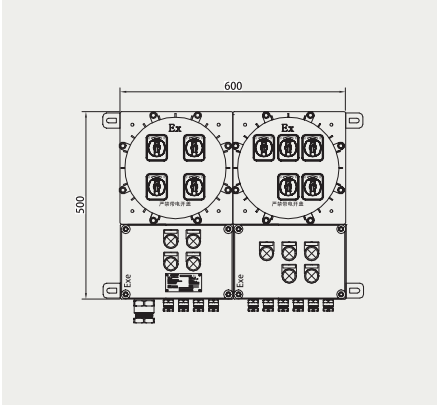
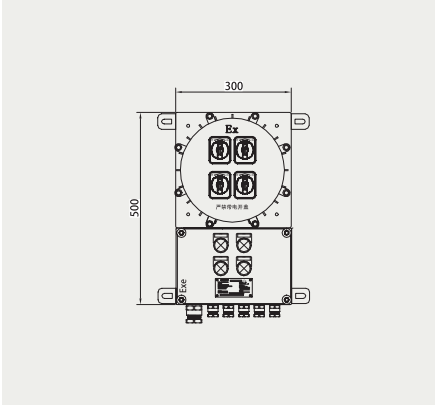
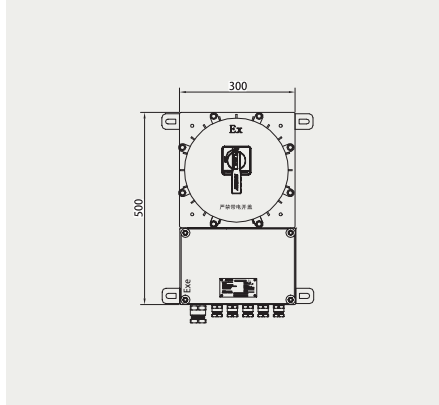
|                                |                                                                                                                               |                                                 |  |
|--------------------------------|-------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------|--|
| → BST60系列 Series               |                                                                                                                               | <div>CCC</div> <div>RoHS</div> <div>REACH</div> |  |
| 产品系列<br>Product Series         | <div></div> <div>BST60<br/>系列 Series</div> |                                                 |  |
| 材质<br>Material                 | 铸铝<br>Cast Aluminium(ADC12)                                                                                                   |                                                 |  |
| 密封材质<br>Sealing Material       | 硅胶<br>Silicone Rubber                                                                                                         |                                                 |  |
| 认证类别<br>Certification Category | CCC<br>防爆合格证<br>Explosion-proof Certificate                                                                                   |                                                 |  |
| 防爆标志<br>Ex-Mark                | Ex db eb II C T6/T5/T4 Gb<br>Ex tb III C T80 C/T95 C/T130 C Db                                                                |                                                 |  |
| 防护等级<br>IP Rating              | IP66                                                                                                                          |                                                 |  |
| 温度范围<br>Temperature Range      | -40 C ~+40 C /55 C /60 C                                                                                                      |                                                 |  |
| 详细页码<br>Page Number            | P73-P74                                                                                                                       |                                                 |  |

| 型号含义 Model Meaning                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                   |                                                           |                                                                  |                                             |                                            |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------|-----------------------------------------------------------|------------------------------------------------------------------|---------------------------------------------|--------------------------------------------|
| BST                                                                                                                                                                                                                                                                                                                                                                                                                                        | □                                                                 | □                                                         | □                                                                | □                                           | □                                          |
| 倍仕得<br>BEISIT                                                                                                                                                                                                                                                                                                                                                                                                                              | 名称 Name<br>60: 复合型防爆箱<br>Combination Explosion-proof<br>Enclosure | 总开关电流(A)<br>The Current of the<br>Main Switch(A)<br>≤135A | 支路最大电流(A)<br>The Max Current of<br>the Branch Circuit(A)<br>≤50A | 支路数<br>The Number of Branch Circuits<br>≤24 | 功能类别 Function Category<br>C: Ex db eb II C |
| 1、BST601355024C为产品型号，产品的详细BOM清单需要根据订货编号才可查询。<br>2、防爆电控盘装置（BST60系列）产品的订货号需与客户确定解决方案后，依我司系统自动生成唯一的订货编号。<br>1. BST601355024C is the product model. The detailed BOM (Bill of Materials) can only be queried based on the order code.<br>2. For Explosion-proof Electric Control Panel Devices (BST60 Series), the order code is automatically generated by our system as a unique identifier after finalizing the solution with the customer. |                                                                   |                                                           |                                                                  |                                             |                                            |



复合型防爆箱解决方案案例图  
Combination Explosion-proof Enclosure Case Drawing

→ BST60系列 Series



复合型防爆箱  
Combination Explosion-proof Enclosure

→ BST60系列 Series



适用范围 Application Scope:

爆炸性气体环境1区、2区; 爆炸性粉尘环境21区、22区  
Zone 1 and Zone 2 in Explosive Gas Atmospheres;  
Zone 21 and Zone 22 in Explosive Dust Atmospheres.

防护等级 IP Rating:

IP66

抗冲击性能 Impact Resistance:

7J

使用环境温度 Ambient Temperature:

-40℃≤Ta≤+40℃/55℃/60℃

额定电压 Rated Voltage:

最大 Max. AC690V

额定电流 Rated Current:

最大 Max. 135A

材料 Material:

铝合金 Aluminum Alloy ADC12



认证数据 Authentication Certificate

| 认证类别 Certification Category | 防爆标志 Ex-Mark                                                   | 认证类别 Certification Category          | 防爆标志 Ex-Mark                                                   |
|-----------------------------|----------------------------------------------------------------|--------------------------------------|----------------------------------------------------------------|
| CCC证书 Certificate           | Ex db eb II C T6/T5/T4 Gb<br>Ex tb III C T80 C/T95 C/T130 C Db | 防爆合格证<br>Explosion-proof Certificate | Ex db eb II C T6/T5/T4 Gb<br>Ex tb III C T80 C/T95 C/T130 C Db |

组件数据—标配 Component Data-Standard

| 图样 Pattern | 名称 Item                                | 材料 Material                    | 图样 Pattern | 名称 Item                      | 材料 Material               |
|------------|----------------------------------------|--------------------------------|------------|------------------------------|---------------------------|
|            | 安装底板<br>Mounting Base Plate            | 镀锌钢板<br>Galvanized Steel Sheet |            | 接地标识<br>Grounding Indication | 304不锈钢<br>Stainless Steel |
|            | 盖板紧固件<br>Fasteners for the Cover Plate | 304不锈钢<br>Stainless Steel      |            | 铭牌<br>Nameplate              | 304不锈钢<br>Stainless Steel |

元件数据—选配 Component Data-Optional

| 图样 Pattern | 名称 Item                              | 备注 Remark                           | 图样 Pattern | 名称 Item                  | 备注 Remark                     |
|------------|--------------------------------------|-------------------------------------|------------|--------------------------|-------------------------------|
|            | 断路器<br>Breaker                       | 施耐德 Schneider<br>ABB<br>西门子 Siemens |            | 仪器仪表<br>Instrumentation  | 欧姆龙<br>Omron                  |
|            | 塑壳断路器<br>Molded Case Circuit Breaker | 施耐德 Schneider<br>ABB<br>西门子 Siemens |            | 浪涌保护器<br>Surge Protector | 施耐德 Schneider<br>天津中力 C-Power |
|            | PLC                                  | 施耐德 Schneider<br>ABB<br>西门子 Siemens |            | 时间继电器<br>Time Relay      | 施耐德 Schneider<br>欧姆龙 Omron    |

增安型防爆电缆固定头  
Explosion-Proof Exe Cable Gland



增安型防爆电缆固定头选型指南  
Increased Safety Exe Cable Gland Selection-guide

→ Exeb系列 Series

IEC Ex

Ex

ATEX

CCC

RoHS

REACH

|                                |                                                                                            |                                                                                            |
|--------------------------------|--------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|
| 产品系列<br>Product Series         | <br>NCG | <br>MCG |
| 材质<br>Material                 | 尼龙<br>Nylon                                                                                | 黄铜镀镍<br>Nickel-plated Brass                                                                |
| 结构类型<br>Cable Gland Type       | 单密封<br>Single Seal                                                                         | 单密封<br>Single Seal                                                                         |
| 认证类别<br>Certification Category | IECEX<br>ATEX                                                                              | IECEX<br>ATEX                                                                              |
| 防爆标志<br>Ex-Mark                | Ex eb II C Gb<br>Ex tb III C Db<br>⊕ II 2G Ex eb II C Gb<br>⊕ II 2D Ex tb III C Db         | Ex eb II C Gb<br>Ex tb III C Db<br>⊕ II 2G Ex eb II C Gb<br>⊕ II 2D Ex tb III C Db         |
| 防护等级<br>IP Rating              | IP66<br>IP68 1.5m 30min                                                                    | IP66<br>IP68 1.5m 30min                                                                    |
| 工作温度<br>Operating Temperature  | -20℃~+80℃                                                                                  | -30℃~+80℃                                                                                  |
| 螺纹规格<br>Thread Type            | M12-M63<br>NPT 3/8"-NPT 1 1/2"<br>PG7~PG48                                                 | M12-M63<br>NPT 3/8"-NPT 1 1/2"<br>PG7~PG48                                                 |
| 详细页码<br>Page Number            | P78-P80                                                                                    | P81-P86                                                                                    |

| 型号含义 Model Meaning                              |                                                                                       |                                                                                                           |                                                                                                           |
|-------------------------------------------------|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|
| □CG-                                            | □                                                                                     | □                                                                                                         | □                                                                                                         |
| ▼                                               | ▼                                                                                     | ▼                                                                                                         | ▼                                                                                                         |
| 材质 Material<br>N: 尼龙材质 Nylon<br>M/A: 金属材料 Metal | 螺纹规格 Thread Specification<br>M12: M12×1.5<br>P07: PG 7<br>N12: NPT 1/2"<br>G14: G1/4" | 最大电缆外径 Maximum Cable Outer Diameter<br>07: 直径3mm-7mm<br>08: 直径4mm-8mm<br>10: 直径5mm-10mm<br>12: 直径6mm-12mm | L: 加长 Extended<br>B: 蓝色 Blue<br>BL: 蓝色加长 Blue Extended<br>R: 增强 Reinforce<br>无字母 No letter: 表示常规 Standard |
| 举例 For Example: NCG-M1608L                      |                                                                                       |                                                                                                           |                                                                                                           |



增安型防爆铠装防冷流电缆固定头选型指南  
Explosion-proof Armored Anti-cold Flow Exe Cable Gland Selection-guide



| → Exeb系列 Series                |                                                                                                             |  | IEC Ex                                                                                                      | ATEX | CCC | RoHS | REACH |
|--------------------------------|-------------------------------------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------------------------------------|------|-----|------|-------|
| 产品系列<br>Product Series         | <br>MCG-T                  |  | <br>ACG                  |      |     |      |       |
| 材质<br>Material                 | 黄铜Hpb59-1<br>不锈钢304 316 316L<br>碳钢Q235<br>Brass Hpb59-1<br>Stainless Steel304 316 316L<br>Carbon Steel Q235 |  | 黄铜Hpb59-1<br>不锈钢304 316 316L<br>碳钢Q235<br>Brass Hpb59-1<br>Stainless Steel304 316 316L<br>Carbon Steel Q235 |      |     |      |       |
| 结构类型<br>Cable Gland Type       | 单密封<br>Single Seal                                                                                          |  | 铠装单密封<br>Single Seal with Armored                                                                           |      |     |      |       |
| 认证类别<br>Certification Category | CCC<br>防爆合格证<br>Explosion-proof Certificate                                                                 |  | CCC<br>防爆合格证<br>Explosion-proof Certificate                                                                 |      |     |      |       |
| 防爆标志<br>Ex-Mark                | Ex eb II C Gb<br>Ex tb III C Db                                                                             |  | Ex eb II C Gb<br>Ex tb III C Db                                                                             |      |     |      |       |
| 防护等级<br>IP Rating              | IP66<br>IP68 1.5m 30min                                                                                     |  | IP66<br>IP68 1.5m 30min                                                                                     |      |     |      |       |
| 工作温度<br>Operating Temperature  | -40 C ~+120 C                                                                                               |  | -40 C ~+120 C                                                                                               |      |     |      |       |
| 螺纹规格<br>Thread Type            | M16-M63<br>NPT 1/4"-NPT 2"<br>PG7~PG48<br>G 1/4"-G 2"                                                       |  | M16-M63<br>NPT 1/4"-NPT 2"<br>PG7~PG48<br>G 1/4"-G 2"                                                       |      |     |      |       |
| 详细页码<br>Page Number            | P87-P89                                                                                                     |  | P90-P92                                                                                                     |      |     |      |       |



防爆电缆固定头（常规型）  
Explosion-proof Exe Cable Gland (Normal Type)

→

NCG系列 Series

IEC Ex

ATEX

CCC

RoHS

REACH

适用范围 Application Scope:

适用于气体1、2区；粉尘21、22区  
Suitable for Gas Zones 1 and 2; Dust Zones 20, 21, and 22

防护等级 IP Rating :

IP66/68(1.5m/30min)

工作温度 Operating Temperature:

-20℃~+80℃

环境温度 Temperature Range:

-20℃~+80℃

材质 Material:

尼龙 Nylon

防水圈 Seal:

硅橡胶 Silicone Rubber

O型圈 Gasket:

硅橡胶 Silicone Rubber




| 认证数据 Authentication Certificate |                                                 |                                      |                                 |
|---------------------------------|-------------------------------------------------|--------------------------------------|---------------------------------|
| 认证类别 Certificate Type           | 防护类别代码 Ex-Mark                                  | 认证类别 Certificate Type                | 防护类别代码 Ex-Mark                  |
| IECEx证书 Certificate             | Ex eb II C Gb<br>Ex tb III C Db                 | CCC证书 Certificate                    | Ex eb II C Gb<br>Ex tb III C Db |
| ATEX证书 Certificate              | Ⓔ II 2G Ex eb II C Gb<br>Ⓔ II 2D Ex tb III C Db | 防爆合格证<br>Explosion-proof Certificate | Ex eb II C Gb<br>Ex tb III C Db |

| 技术数据 Technical Data        |                                      |
|----------------------------|--------------------------------------|
| 螺纹规格 Thread Size           | M12-M63、NPT 3/8"-NPT 1 1/2"、PG7-PG48 |
| 材质 Material                | 尼龙 Nylon                             |
| 阻燃等级 Flame Retardant Grade | V2(UL94)                             |
| 颜色 Color                   | 黑色、蓝色 Black, Blue                    |
| 结构 Structure               | 常规型、加长型 Regular Type, Extended Type  |

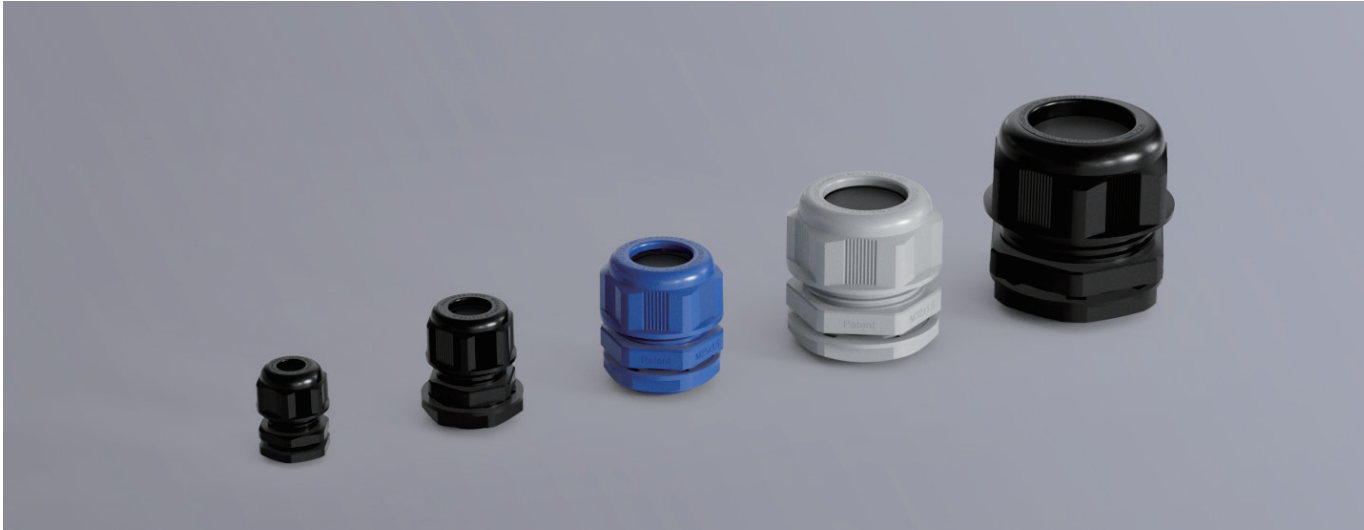
| 产品FAB The FAB of the Product |                                                                                                                                                                                                                                             |
|------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 特点 Feature                   | 支持不同电缆直径和类型,兼容性强 It supports different cable diameters and types, showing strong compatibility.<br>工作环境温度 Working Environment Temperature: -20℃~+80℃, 测试温度 Testing Temperature: -25℃~+100℃<br>防护等级 IP Rating: IP66/68                       |
| 优点 Advantage                 | 证书齐全: IECEx、ATEX、CCC、防爆合格证。<br>Complete Certificates: IECEx, ATEX, CCC, explosion-proof certificate.                                                                                                                                        |
| 价值 Benefit                   | 多种颜色可选(黑色、蓝色、灰色、白色), 颜色区分线缆用途, 降低接线错误率<br>Multiple colors are available (black, blue, gray, white). Different colors can distinguish the uses of cables, reducing the wiring error rate.<br>轻量化设计, 降低成本 Lightweight design to reduce costs. |

防爆电缆固定头（常规型）  
Explosion-proof Exe Cable Gland (Normal Type)



订货数据 Ordering Data

| 规格 Specs<br>ØD1 | mm    | H<br>mm | GL<br>mm | mm    | 订货号 Order no<br>RAL7035 | 订货号 Order no<br>RAL9005 |
|-----------------|-------|---------|----------|-------|-------------------------|-------------------------|
| NCG-M12 x 1.5   | 3-6.5 | 21      | 8        | 15    | Ex-M1207                | Ex-M1207B               |
| NCG-M16 x 1.5   | 6-8   | 22      | 8        | 19    | Ex-M1608                | Ex-M1608B               |
| NCG-M16 x 1.5   | 5-10  | 25      | 8        | 22    | Ex-M1610                | Ex-M1610B               |
| NCG-M20 x 1.5   | 6-12  | 27      | 9        | 24    | Ex-M2012                | Ex-M2012B               |
| NCG-M20 x 1.5   | 10-14 | 28      | 9        | 27    | Ex-M2014                | Ex-M2014B               |
| NCG-M25 x 1.5   | 13-18 | 31      | 11       | 33    | Ex-M2518                | Ex-M2518B               |
| NCG-M32 x 1.5   | 18-25 | 37      | 11       | 42    | Ex-M3225                | Ex-M3225B               |
| NCG-M40 x 1.5   | 22-32 | 48      | 13       | 53    | Ex-M4032                | Ex-M4032B               |
| NCG-M50 x 1.5   | 32-38 | 49      | 13       | 60    | Ex-M5038                | Ex-M5038B               |
| NCG-M63 x 1.5   | 37-44 | 49      | 14       | 65/68 | Ex-M6344                | Ex-M6344B               |
| NCG-PG 7        | 3-6.5 | 21      | 8        | 15    | Ex-P0707                | Ex-P0707B               |
| NCG-PG 9        | 6-8   | 22      | 8        | 19    | Ex-P0908                | Ex-P0908B               |
| NCG-PG 11       | 5-10  | 25      | 8        | 22    | Ex-P1110                | Ex-P1110B               |
| NCG-PG 13.5     | 6-12  | 27      | 9        | 24    | Ex-P13512               | Ex-P13512B              |
| NCG-PG 16       | 10-14 | 28      | 10       | 27    | Ex-P1614                | Ex-P1614B               |
| NCG-PG 21       | 13-18 | 31      | 11       | 33    | Ex-P2118                | Ex-P2118B               |
| NCG-PG 29       | 18-25 | 37      | 11       | 42    | Ex-P2925                | Ex-P2925B               |
| NCG-PG 36       | 22-32 | 48      | 13       | 53    | Ex-P3632                | Ex-P3632B               |
| NCG-PG 42       | 32-38 | 49      | 13       | 60    | Ex-P4238                | Ex-P4238B               |
| NCG-PG 48       | 37-44 | 49      | 14       | 65    | Ex-P4844                | Ex-P4844B               |
| NCG-NPT 3/8"    | 6-8   | 22      | 15       | 22    | Ex-N3808                | Ex-N3808B               |
| NCG-NPT 1/2"    | 6-12  | 27      | 13       | 24    | Ex-N12612               | Ex-N12612B              |
| NCG-NPT 1/2"    | 10-14 | 28      | 13       | 27    | Ex-N1214                | Ex-N1214B               |
| NCG-NPT 3/4"    | 13-18 | 31      | 14       | 33    | Ex-N3418                | Ex-N3418B               |
| NCG-NPT 1"      | 18-25 | 37      | 19       | 42    | Ex-N10025               | Ex-N10025B              |
| NCG-NPT 1 1/4"  | 18-25 | 39      | 16       | 42/46 | Ex-N11425               | Ex-N11425B              |
| NCG-NPT 1 1/2"  | 22-32 | 48      | 20       | 53    | Ex-N11232               | Ex-N11232B              |

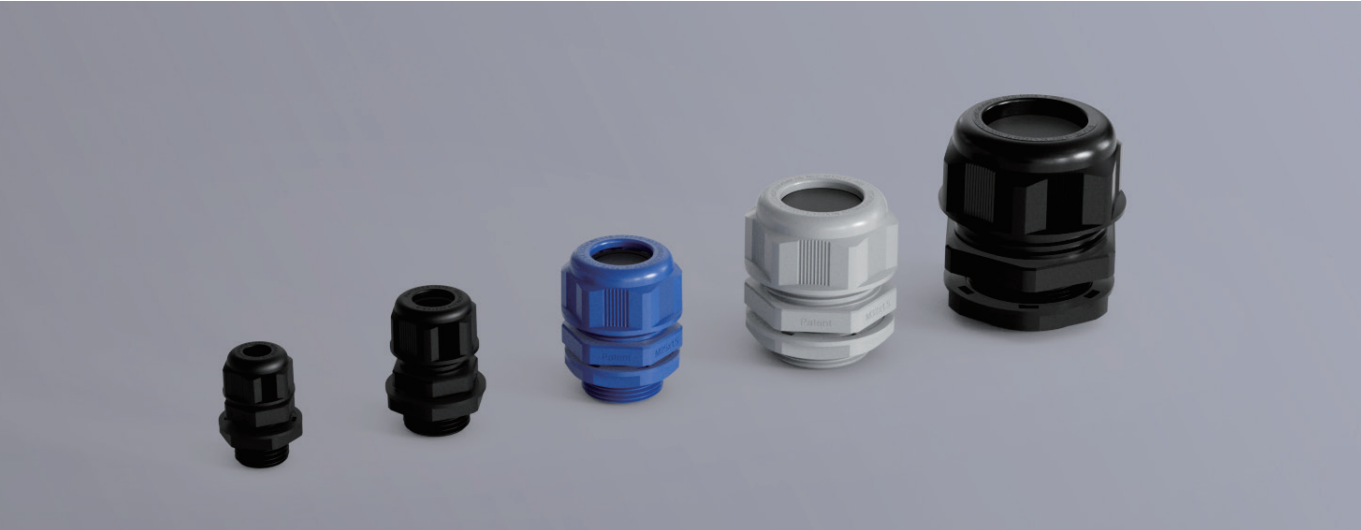


防爆电缆固定头（加长型）  
Explosion-proof Exe Cable Gland (Extended Type)



订货数据 Ordering Data

| 规格 Specs<br>ØD1 | mm    | H<br>mm | GL<br>mm | mm    | 订货号 Order no<br>RAL7035 | 订货号 Order no<br>RAL9005 |
|-----------------|-------|---------|----------|-------|-------------------------|-------------------------|
| NCG-M12 x 1.5   | 3-6.5 | 21      | 15       | 15    | Ex-M1207L               | Ex-M1207BL              |
| NCG-M16 x 1.5   | 6-8   | 22      | 15       | 19    | Ex-M1608L               | Ex-M1608BL              |
| NCG-M16 x 1.5   | 5-10  | 25      | 15       | 22    | Ex-M1610L               | Ex-M1610BL              |
| NCG-M20 x 1.5   | 6-12  | 27      | 15       | 24    | Ex-M2012L               | Ex-M2012BL              |
| NCG-M20 x 1.5   | 10-14 | 28      | 15       | 27    | Ex-M2014L               | Ex-M2014BL              |
| NCG-M25 x 1.5   | 13-18 | 31      | 15       | 33    | Ex-M2518L               | Ex-M2518BL              |
| NCG-M32 x 1.5   | 18-25 | 37      | 15       | 42    | Ex-M3225L               | Ex-M3225BL              |
| NCG-M40 x 1.5   | 22-32 | 48      | 18       | 53    | Ex-M4032L               | Ex-M4032BL              |
| NCG-M50 x 1.5   | 32-38 | 49      | 18       | 60    | Ex-M5038L               | Ex-M5038BL              |
| NCG-M63 x 1.5   | 37-44 | 49      | 18       | 65/68 | Ex-M6344L               | Ex-M6344BL              |
| NCG-PG 7        | 3-6.5 | 21      | 15       | 15    | Ex-P0707L               | Ex-P0707BL              |
| NCG-PG 9        | 6-8   | 22      | 15       | 19    | Ex-P0908L               | Ex-P0908BL              |
| NCG-PG 11       | 5-10  | 25      | 15       | 22    | Ex-P1110L               | Ex-P1110BL              |
| NCG-PG 13.5     | 6-12  | 27      | 15       | 24    | Ex-P13512L              | Ex-P13512BL             |
| NCG-PG 16       | 10-14 | 28      | 15       | 27    | Ex-P1614L               | Ex-P1614BL              |
| NCG-PG 21       | 13-18 | 31      | 15       | 33    | Ex-P2118L               | Ex-P2118BL              |
| NCG-PG 29       | 18-25 | 37      | 18       | 42    | Ex-P2925L               | Ex-P2925BL              |
| NCG-PG 36       | 22-32 | 48      | 18       | 53    | Ex-P3632L               | Ex-P3632BL              |
| NCG-PG 42       | 32-38 | 49      | 18       | 60    | Ex-P4238L               | Ex-P4238BL              |
| NCG-PG 48       | 37-44 | 49      | 18       | 65    | Ex-P4844L               | Ex-P4844BL              |





防爆电缆固定头（常规型）  
Explosion-proof Exe Cable Gland (Normal Type)



→ MCG系列 Series

适用范围 Application Scope: 适用于气体1、2区; 粉尘21、22区  
Suitable for Gas Zones 1 and 2; Dust Zones 20, 21, and 22

防护等级 IP Rating: IP66/68(1.5m/30min)

工作温度 Operating Temperature: -30℃~+80℃

环境温度 Temperature Range: -30℃~+80℃

材质 Material: 黄铜镀镍 Nlckel-Plated Brass

防水圈 Seal: 硅橡胶 Silicone Rubber

O型圈 Gasket: 硅橡胶 Silicone Rubber



| 认证数据 Authentication Certificate |                                                 |                                      |                                 |
|---------------------------------|-------------------------------------------------|--------------------------------------|---------------------------------|
| 认证类别 Certificate Type           | 防护类别代码 Ex-Mark                                  | 认证类别 Certificate Type                | 防护类别代码 Ex-Mark                  |
| IECEx证书 Certificate             | Ex eb II C Gb<br>Ex tb III C Db                 | CCC证书 Certificate                    | Ex eb II C Gb<br>Ex tb III C Db |
| ATEX证书 Certificate              | Ⓔ II 2G Ex eb II C Gb<br>Ⓔ II 2D Ex tb III C Db | 防爆合格证<br>Explosion-proof Certificate | Ex eb II C Gb<br>Ex tb III C Db |

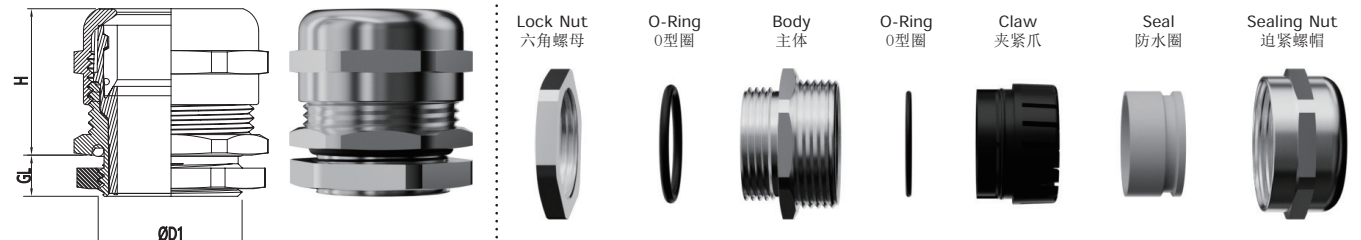
| 技术数据 Technical Data        |                                                                                                                                  |
|----------------------------|----------------------------------------------------------------------------------------------------------------------------------|
| 螺纹规格 Thread Size           | M12-M63、NPT 3/8"-NPT 1 1/2"、PG7-PG48                                                                                             |
| 材质 Material                | 黄铜镀镍 Nickel-plated Brass                                                                                                         |
| 阻燃等级 Flame Retardant Grade | V2(UL94)                                                                                                                         |
| 结构 Structure               | 常规型、加长型、加强型、加长加强型 (304、316、316L)<br>Standard Type, Extended Type, Reinforced Type, Extended and Reinforced Type (304, 316, 316L) |

| 产品FAB The FAB of the Product |                                                                                                                                                                                                                        |
|------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 特点 Feature                   | 支持不同电缆直径和类型,兼容性强 It supports different cable diameters and types, showing strong compatibility.<br>工作环境温度 Working Environment Temperature: -30℃~+80℃, 测试温度 Testing Temperature: -35℃~+100℃<br>防护等级 IP Rating : IP66/68 |
| 优点 Advantage                 | 证书齐全: IECEx、ATEX、CCC、防爆合格证。<br>Complete Certificates: IECEx, ATEX, CCC, explosion-proof certificate.                                                                                                                   |
| 价值 Benefit                   | 表面电镀处理, 可达240h盐雾测试<br>The surface is treated by electroplating, and it can pass the 240-hour salt spray test.                                                                                                          |



防爆电缆固定头（常规型）  
Explosion-proof Exe Cable Gland (Normal Type)

→ MCG系列 Series

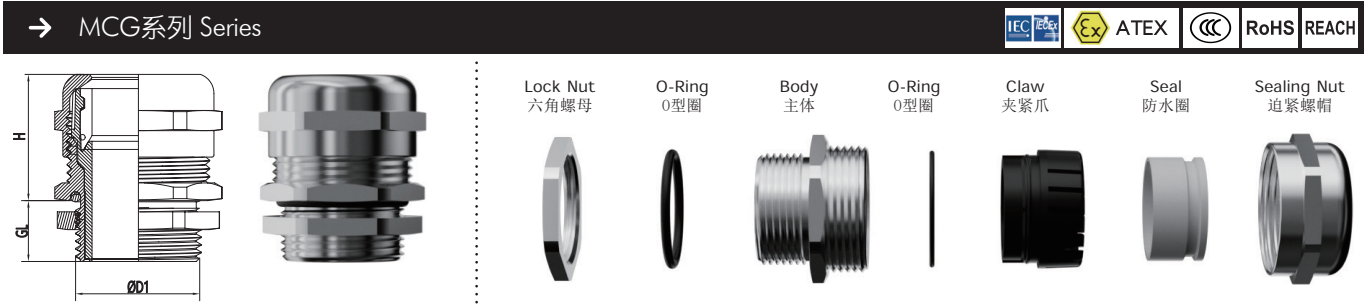


订货数据 Ordering Data

| 规格 Specs<br>øD1 | mm    | H<br>mm | GL<br>mm | mm    | 订货号 Order no |
|-----------------|-------|---------|----------|-------|--------------|
| MCG-M12 x 1.5   | 3-6.5 | 19      | 6.5      | 14    | Ex-M1207BR   |
| MCG-M16 x 1.5   | 4-8   | 21      | 6        | 17/19 | Ex-M1608BR   |
| MCG-M16 x 1.5   | 5-10  | 22      | 6        | 20    | Ex-M1610BR   |
| MCG-M20 x 1.5   | 6-12  | 23      | 6        | 22    | Ex-M2012BR   |
| MCG-M20 x 1.5   | 10-14 | 24      | 6        | 24    | Ex-M2014BR   |
| MCG-M25 x 1.5   | 13-18 | 25      | 7        | 30    | Ex-M2518BR   |
| MCG-M32 x 1.5   | 18-25 | 31      | 8        | 40    | Ex-M3225BR   |
| MCG-M40 x 1.5   | 22-32 | 37      | 8        | 50    | Ex-M4032BR   |
| MCG-M50 x 1.5   | 32-38 | 37      | 9        | 57    | Ex-M5038BR   |
| MCG-M63 x 1.5   | 37-44 | 38      | 10       | 64/68 | Ex-M6344BR   |
|                 |       |         |          |       |              |
| MCG-PG 7        | 3-6.5 | 19      | 5        | 14    | Ex-P0707BR   |
| MCG-PG 9        | 4-8   | 21      | 6        | 17    | Ex-P0908BR   |
| MCG-PG 11       | 5-10  | 22      | 6        | 20    | Ex-P1110BR   |
| MCG-PG 13.5     | 6-12  | 23      | 6.5      | 22    | Ex-P13512BR  |
| MCG-PG 16       | 10-14 | 24      | 6.5      | 24    | Ex-P1614BR   |
| MCG-PG 21       | 13-18 | 25      | 7        | 30    | Ex-P2118BR   |
| MCG-PG 29       | 18-25 | 31      | 8        | 40    | Ex-P2925BR   |
| MCG-PG 36       | 22-32 | 37      | 8        | 50    | Ex-P3632BR   |
| MCG-PG 42       | 32-38 | 37      | 9        | 57    | Ex-P4238BR   |
| MCG-PG 48       | 37-44 | 38      | 10       | 64    | Ex-P4844BR   |
|                 |       |         |          |       |              |
| MCG-NPT 3/8"    | 4-8   | 21      | 15       | 17/19 | Ex-N3808BR   |
| MCG-NPT 1/2"    | 6-12  | 23      | 13       | 22    | Ex-N12612BR  |
| MCG-NPT 1/2"    | 10-14 | 24      | 13       | 24    | Ex-N1214BR   |
| MCG-NPT 3/4"    | 13-18 | 25      | 13       | 30    | Ex-N3418BR   |
| MCG-NPT 1"      | 18-25 | 31      | 15       | 40    | Ex-N10025BR  |
| MCG-NPT 1 1/4"  | 18-25 | 31      | 17       | 44    | Ex-N11425BR  |
| MCG-NPT 1 1/2"  | 22-32 | 37      | 20       | 50    | Ex-N11232BR  |



防爆电缆固定头（加长型）  
Explosion-proof Exe Cable Gland (Extended Type)

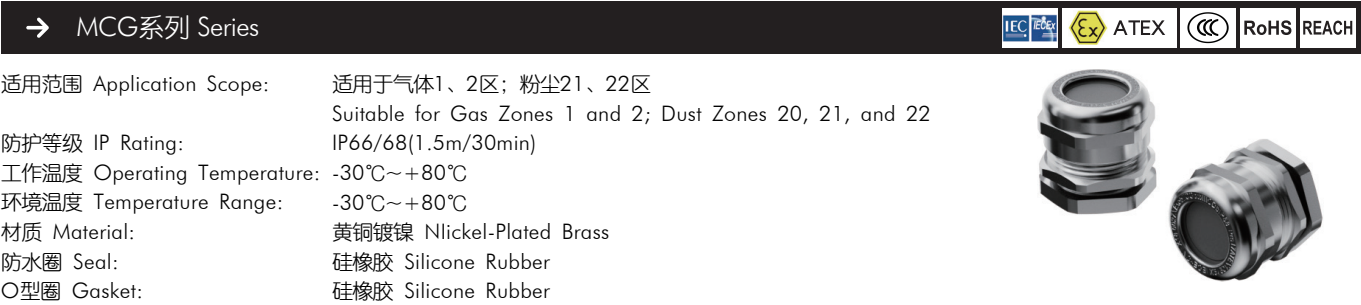


订货数据 Ordering Data

| 规格 Specs<br>ØD1 | mm    | H<br>mm | GL<br>mm | mm    | 订货号 Order no |
|-----------------|-------|---------|----------|-------|--------------|
| MCG-M12 x 1.5   | 3-6.5 | 19      | 10       | 14    | Ex-M1207BRL  |
| MCG-M16 x 1.5   | 4-8   | 21      | 10       | 17/19 | Ex-M1608BRL  |
| MCG-M16 x 1.5   | 5-10  | 22      | 10       | 20    | Ex-M1610BRL  |
| MCG-M20 x 1.5   | 6-12  | 23      | 10       | 22    | Ex-M2012BRL  |
| MCG-M20 x 1.5   | 10-14 | 24      | 10       | 24    | Ex-M2014BRL  |
| MCG-M25 x 1.5   | 13-18 | 25      | 12       | 30    | Ex-M2518BRL  |
| MCG-M32 x 1.5   | 18-25 | 31      | 12       | 40    | Ex-M3225BRL  |
| MCG-M40 x 1.5   | 22-32 | 37      | 15       | 50    | Ex-M4032BRL  |
| MCG-M50 x 1.5   | 32-38 | 37      | 15       | 57    | Ex-M5038BRL  |
| MCG-M63 x 1.5   | 37-44 | 38      | 15       | 64/68 | Ex-M6344BRL  |
|                 |       |         |          |       |              |
| MCG-PG 7        | 3-6.5 | 19      | 10       | 14    | Ex-P0707BRL  |
| MCG-PG 9        | 4-8   | 21      | 10       | 17    | Ex-P0908BRL  |
| MCG-PG 11       | 5-10  | 22      | 10       | 20    | Ex-P1110BRL  |
| MCG-PG 13.5     | 6-12  | 23      | 10       | 22    | Ex-P13512BRL |
| MCG-PG 16       | 10-14 | 24      | 10       | 24    | Ex-P1614BRL  |
| MCG-PG 21       | 13-18 | 25      | 12       | 30    | Ex-P2118BRL  |
| MCG-PG 29       | 18-25 | 31      | 12       | 40    | Ex-P2925BRL  |
| MCG-PG 36       | 22-32 | 37      | 15       | 50    | Ex-P3632BRL  |
| MCG-PG 42       | 32-38 | 37      | 15       | 57    | Ex-P4238BRL  |
| MCG-PG 48       | 37-44 | 38      | 15       | 64    | Ex-P4844BRL  |



防爆电缆固定头（加强型）  
Explosion-proof Exe Cable Gland (Reinforced Type)



| 认证数据 Authentication Certificate |                                                 |                                      |                                 |
|---------------------------------|-------------------------------------------------|--------------------------------------|---------------------------------|
| 认证类别 Certificate Type           | 防护类别代码 Ex-Mark                                  | 认证类别 Certificate Type                | 防护类别代码 Ex-Mark                  |
| IECEX证书 Certificate             | Ex eb II C Gb<br>Ex tb III C Db                 | CCC证书 Certificate                    | Ex eb II C Gb<br>Ex tb III C Db |
| ATEX证书 Certificate              | Ⓔ II 2G Ex eb II C Gb<br>Ⓔ II 2D Ex tb III C Db | 防爆合格证<br>Explosion-proof Certificate | Ex eb II C Gb<br>Ex tb III C Db |

| 技术数据 Technical Data        |                                                                                                                                  |
|----------------------------|----------------------------------------------------------------------------------------------------------------------------------|
| 螺纹规格 Thread Size           | M12-M63、NPT 3/8"-NPT 1 1/2"、PG7-PG48                                                                                             |
| 材质 Material                | 黄铜镀镍 Nickel-plated brass                                                                                                         |
| 阻燃等级 Flame Retardant Grade | V2(UL94)                                                                                                                         |
| 结构 Structure               | 常规型、加长型、加强型、加长加强型 (304、316、316L)<br>Standard Type, Extended Type, Reinforced Type, Extended and Reinforced Type (304, 316, 316L) |

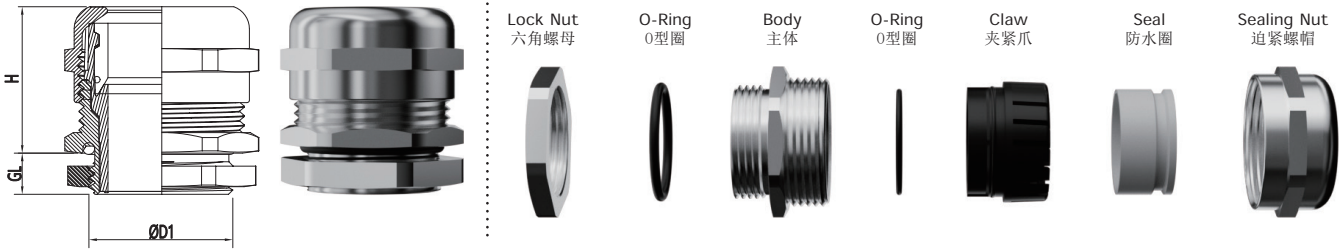
| 产品FAB The FAB of the Product |                                                                                                                                                                                                                       |
|------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 特点 Feature                   | 支持不同电缆直径和类型,兼容性强 It supports different cable diameters and types, showing strong compatibility.<br>工作环境温度 Working Environment Temperature: -30℃~+80℃, 测试温度 Testing Temperature: -35℃~+100℃<br>防护等级 IP Rating: IP66/68 |
| 优点 Advantage                 | 证书齐全: IECEX、ATEX、CCC、防爆合格证。<br>It has a full range of domestic and foreign certificates, such as IECEX, ATEX, CCC and Explosion-proof Certificate.                                                                    |
| 价值 Benefit                   | 表面电镀处理, 可达240h盐雾测试<br>The surface is treated by electroplating, and it can pass the 240-hour salt spray test.                                                                                                         |



防爆电缆固定头（加强型）  
Explosion-proof Exe Cable Gland (Reinforced Type)



→ MCG系列 Series



订货数据 Ordering Data

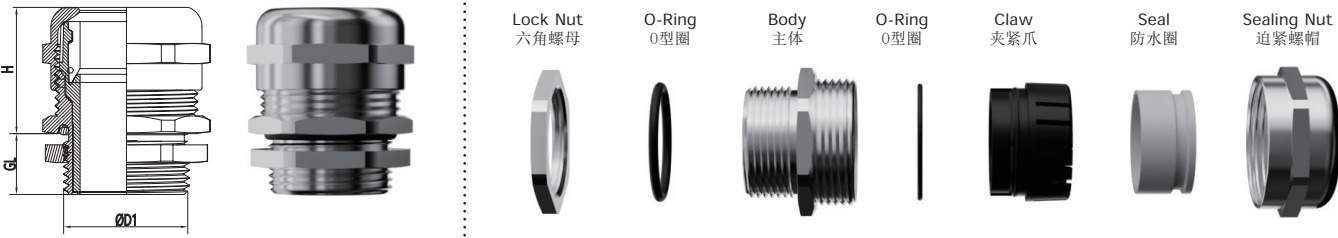
| 规格 Specs<br>ØD1 | mm    | H<br>mm | GL<br>mm | mm    | 订货号 Order no  |
|-----------------|-------|---------|----------|-------|---------------|
| MCG-M12 x 1.5   | 3-6.5 | 19      | 6.5      | 14    | Ex-M1207BR-R  |
| MCG-M16 x 1.5   | 4-8   | 21      | 6        | 17/19 | Ex-M1608BR-R  |
| MCG-M16 x 1.5   | 5-10  | 22      | 6        | 20    | Ex-M1610BR-R  |
| MCG-M20 x 1.5   | 6-12  | 23      | 6        | 22    | Ex-M2012BR-R  |
| MCG-M20 x 1.5   | 10-14 | 24      | 6        | 24    | Ex-M2014BR-R  |
| MCG-M25 x 1.5   | 13-18 | 25      | 7        | 30    | Ex-M2518BR-R  |
| MCG-M32 x 1.5   | 18-25 | 31      | 8        | 40    | Ex-M3225BR-R  |
| MCG-M40 x 1.5   | 22-32 | 37      | 8        | 50    | Ex-M4032BR-R  |
| MCG-M50 x 1.5   | 32-38 | 37      | 9        | 57    | Ex-M5038BR-R  |
| MCG-M63 x 1.5   | 37-44 | 38      | 10       | 64/68 | Ex-M6344BR-R  |
| MCG-PG 7        | 3-6.5 | 19      | 5        | 14    | Ex-P0707BR-R  |
| MCG-PG 9        | 4-8   | 21      | 6        | 17    | Ex-P0908BR-R  |
| MCG-PG 11       | 5-10  | 22      | 6        | 20    | Ex-P1110BR-R  |
| MCG-PG 13.5     | 6-12  | 23      | 6.5      | 22    | Ex-P13512BR-R |
| MCG-PG 16       | 10-14 | 24      | 6.5      | 24    | Ex-P1614BR-R  |
| MCG-PG 21       | 13-18 | 25      | 7        | 30    | Ex-P2118BR-R  |
| MCG-PG 29       | 18-25 | 31      | 8        | 40    | Ex-P2925BR-R  |
| MCG-PG 36       | 22-32 | 37      | 8        | 50    | Ex-P3632BR-R  |
| MCG-PG 42       | 32-38 | 37      | 9        | 57    | Ex-P4238BR-R  |
| MCG-PG 48       | 37-44 | 38      | 10       | 64    | Ex-P4844BR-R  |
| MCG-NPT 3/8"    | 4-8   | 21      | 15       | 17/19 | Ex-N3808BR-R  |
| MCG-NPT 1/2"    | 6-12  | 23      | 13       | 22    | Ex-N12612BR-R |
| MCG-NPT 1/2"    | 10-14 | 24      | 13       | 24    | Ex-N1214BR-R  |
| MCG-NPT 3/4"    | 13-18 | 25      | 13       | 30    | Ex-N3418BR-R  |
| MCG-NPT 1"      | 18-25 | 31      | 15       | 40    | Ex-N10025BR-R |
| MCG-NPT 1 1/4"  | 18-25 | 31      | 17       | 44    | Ex-N11425BR-R |
| MCG-NPT 1 1/2"  | 22-32 | 37      | 20       | 50    | Ex-N11232BR-R |



防爆电缆固定头（加长加强型）  
Explosion-proof Exe Cable Gland (Extended and Reinforced Type)



→ MCG系列 Series



订货数据 Ordering Data

| 规格 Specs<br>ØD1 | mm    | H<br>mm | GL<br>mm | mm    | 订货号 Order no   |
|-----------------|-------|---------|----------|-------|----------------|
| MCG-M12 x 1.5   | 3-6.5 | 19      | 10       | 14    | Ex-M1207BRL-R  |
| MCG-M16 x 1.5   | 4-8   | 21      | 10       | 17/19 | Ex-M1608BRL-R  |
| MCG-M16 x 1.5   | 5-10  | 22      | 10       | 20    | Ex-M1610BRL-R  |
| MCG-M20 x 1.5   | 6-12  | 23      | 10       | 22    | Ex-M2012BRL-R  |
| MCG-M20 x 1.5   | 10-14 | 24      | 10       | 24    | Ex-M2014BRL-R  |
| MCG-M25 x 1.5   | 13-18 | 25      | 12       | 30    | Ex-M2518BRL-R  |
| MCG-M32 x 1.5   | 18-25 | 31      | 12       | 40    | Ex-M3225BRL-R  |
| MCG-M40 x 1.5   | 22-32 | 37      | 15       | 50    | Ex-M4032BRL-R  |
| MCG-M50 x 1.5   | 32-38 | 37      | 15       | 57    | Ex-M5038BRL-R  |
| MCG-M63 x 1.5   | 37-44 | 38      | 15       | 64/68 | Ex-M6344BRL-R  |
| MCG-PG 7        | 3-6.5 | 19      | 10       | 14    | Ex-P0707BRL-R  |
| MCG-PG 9        | 4-8   | 21      | 10       | 17    | Ex-P0908BRL-R  |
| MCG-PG 11       | 5-10  | 22      | 10       | 20    | Ex-P1110BRL-R  |
| MCG-PG 13.5     | 6-12  | 23      | 10       | 22    | Ex-P13512BRL-R |
| MCG-PG 16       | 10-14 | 24      | 10       | 24    | Ex-P1614BRL-R  |
| MCG-PG 21       | 13-18 | 25      | 12       | 30    | Ex-P2118BRL-R  |
| MCG-PG 29       | 18-25 | 31      | 12       | 40    | Ex-P2925BRL-R  |
| MCG-PG 36       | 22-32 | 37      | 15       | 50    | Ex-P3632BRL-R  |
| MCG-PG 42       | 32-38 | 37      | 15       | 57    | Ex-P4238BRL-R  |
| MCG-PG 48       | 37-44 | 38      | 15       | 64    | Ex-P4844BRL-R  |



防爆电缆固定头（特殊型）  
Explosion-proof Exe Cable Gland (Special Type)



→ MCG-T系列 Series



适用范围 Application Scope: 适用于气体1、2区；粉尘21、22区  
Suitable for Gas Zones 1 and 2; Dust Zones 20, 21, and 22  
防护等级 IP Rating: IP66/68(1.5m/30min)  
工作温度 Operating Temperature: -40℃~120℃  
环境温度 Temperature Range: -40℃~55℃  
材质 Material: 黄铜镀镍/不锈钢304、316、316L、/碳钢Q235  
防水圈 Seal: 硅橡胶 Silicone Rubber  
垫片 Gasket: 硅橡胶 Silicone Rubber、PTFE  
O型圈 Gasket: 硅橡胶 Silicone Rubber



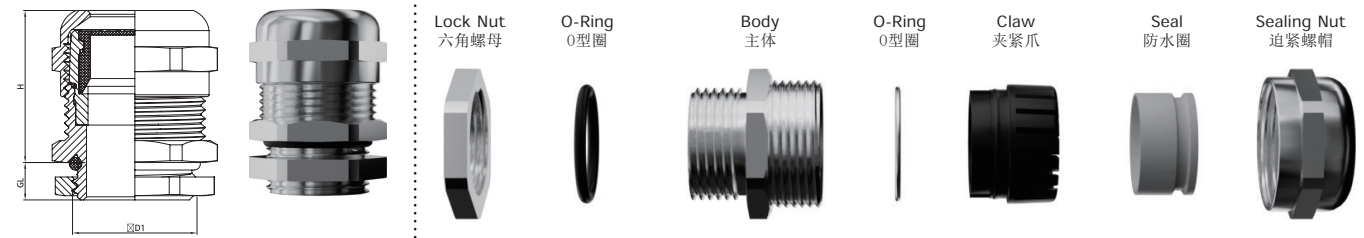
| 认证数据 Authentication Certificate |                                          |                                      |                               |
|---------------------------------|------------------------------------------|--------------------------------------|-------------------------------|
| 认证类别 Certificate Type           | 防护类别代码 Ex-Mark                           | 认证类别 Certificate Type                | 防护类别代码 Ex-Mark                |
| CCC证书 Certificate               | Ex eb IIC Gb<br>Ex tb IIIC Db            | 防爆合格证<br>Explosion-proof Certificate | Ex eb IIC Gb<br>Ex tb IIIC Db |
| 技术数据 Technical Data             |                                          |                                      |                               |
| 螺纹规格 Thread Size                | M12-M63、PG7-PG48、NPT1/4"-NPT2"、G1/4"-G2" |                                      |                               |
| 材质 Material                     | 黄铜镀镍/不锈钢304、316、316L、/碳钢Q235             |                                      |                               |

| 产品FAB The FAB of the Product |                                                                                                                                                                                                                                  |
|------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 特点 Feature                   | 支持不同电缆直径和类型,兼容性强 It supports different cable diameters and types, showing strong compatibility.<br>工作环境温度 Working Environment Temperature: -40℃~+120℃, 测试温度 Testing Temperature: -45℃~+140℃<br>防护等级 IP Rating : IP66/68          |
| 优点 Advantage                 | 证书齐全: CCC、防爆合格证。<br>Complete Certificates: CCC, explosion-proof certificate.<br>材质可选黄铜镀镍/不锈钢304、316、316L、碳钢Q235<br>The materials can be selected from nickel-plated brass/stainless steel 304, 316, 316L, and carbon steel Q235. |
| 价值 Benefit                   | 表面电镀处理, 可达240h盐雾测试<br>The surface is treated by electroplating, and it can pass the 240-hour salt spray test.                                                                                                                    |



防爆电缆固定头（特殊型）  
Explosion-proof Exe Cable Gland (Special Type)

→ MCG-T系列 Series



订货数据 Ordering Data

| 规格 Specs<br>øD1 | Model           | mm    | H<br>mm | GL<br>mm | mm | 订货号 Order no  |
|-----------------|-----------------|-------|---------|----------|----|---------------|
| M16 x 1.5       | MCG-M16 x 1.5-T | 2-6   | 21      | 10       | 20 | Ex-M1606BR-R  |
| M16 x 1.5       | MCG-M16 x 1.5-T | 4-8   | 21      | 10       | 20 | Ex-M1608BR-R  |
| M20 x 1.5       | MCG-M20 x 1.5-S | 5-9   | 23      | 10       | 24 | Ex-M2009BR-R  |
| M20 x 1.5       | MCG-M20 x 1.5-S | 6-12  | 23      | 10       | 24 | Ex-M2012BR-R  |
| M20 x 1.5       | MCG-M20 x 1.5-T | 6-14  | 24      | 15       | 24 | Ex-M2014BR-R  |
| M12 x 1.5       | MCG-M12 x 1.5   | 3-6.5 | 19      | 10       | 14 | Ex-M1207BR-R  |
| M16 x 1.5       | MCG-M16 x 1.5   | 2-6   | 21      | 10       | 17 | Ex-M1606BR-R  |
| M16 x 1.5       | MCG-M16 x 1.5   | 4-8   | 21      | 10       | 17 | Ex-M1608BR-R  |
| M16 x 1.5       | MCG-M16 x 1.5   | 5-10  | 22      | 10       | 20 | Ex-M1610BR-R  |
| M20 x 1.5       | MCG-M20 x 1.5   | 5-9   | 23      | 10       | 22 | Ex-M2009BR-R  |
| M20 x 1.5       | MCG-M20 x 1.5   | 6-12  | 23      | 10       | 22 | Ex-M2012BR-R  |
| M20 x 1.5       | MCG-M20 x 1.5   | 10-14 | 24      | 10       | 24 | Ex-M2014BR-R  |
| M25 x 1.5       | MCG-M25 x 1.5   | 9-16  | 25      | 12       | 30 | Ex-M2516BR-R  |
| M25 x 1.5       | MCG-M25 x 1.5   | 13-18 | 25      | 12       | 30 | Ex-M2518BR-R  |
| M32 x 1.5       | MCG-M32 x 1.5   | 13-20 | 31      | 12       | 40 | Ex-M3220BR-R  |
| M32 x 1.5       | MCG-M32 x 1.5   | 18-25 | 31      | 12       | 40 | Ex-M3225BR-R  |
| M40 x 1.5       | MCG-M40 x 1.5   | 20-26 | 37      | 15       | 50 | Ex-M4026BR-R  |
| M40 x 1.5       | MCG-M40 x 1.5   | 22-32 | 37      | 15       | 50 | Ex-M4032BR-R  |
| M50 x 1.5       | MCG-M50 x 1.5   | 25-31 | 37      | 15       | 57 | Ex-M5031BR-R  |
| M50 x 1.5       | MCG-M50 x 1.5   | 32-38 | 37      | 15       | 57 | Ex-M5038BR-R  |
| M63 x 1.5       | MCG-M63 x 1.5   | 29-35 | 38      | 15       | 64 | Ex-M6335BR-R  |
| M63 x 1.5       | MCG-M63 x 1.5   | 37-44 | 38      | 15       | 64 | Ex-M6344BR-R  |
|                 |                 |       |         |          |    |               |
| PG 7            | MCG-PG 7        | 3-6.5 | 19      | 10       | 14 | Ex-P0707BR-R  |
| PG 9            | MCG-PG 9        | 2-6   | 21      | 10       | 17 | Ex-P0906BR-R  |
| PG 9            | MCG-PG 9        | 4-8   | 21      | 10       | 17 | Ex-P0908BR-R  |
| PG 11           | MCG-PG 11       | 3-7   | 22      | 10       | 20 | Ex-P1107BR-R  |
| PG 11           | MCG-PG 11       | 5-10  | 22      | 10       | 20 | Ex-P1110BR-R  |
| PG 13.5         | MCG-PG 13.5     | 5-9   | 23      | 10       | 22 | Ex-P13509BR-R |
| PG 13.5         | MCG-PG 13.5     | 6-12  | 23      | 10       | 22 | Ex-P13512BR-R |
| PG 16           | MCG-PG 16       | 10-14 | 24      | 10       | 24 | Ex-P1614BR-R  |
| PG 21           | MCG-PG 21       | 9-16  | 25      | 12       | 30 | Ex-P2116BR-R  |
| PG 21           | MCG-PG 21       | 13-18 | 25      | 12       | 30 | Ex-P2118BR-R  |
| PG 29           | MCG-PG 29       | 13-20 | 31      | 12       | 40 | Ex-P2920BR-R  |
| PG 29           | MCG-PG 29       | 18-25 | 31      | 12       | 40 | Ex-P2925BR-R  |
| PG 36           | MCG-PG 36       | 20-26 | 37      | 15       | 50 | Ex-P3626BR-R  |
| PG 36           | MCG-PG 36       | 22-32 | 37      | 15       | 50 | Ex-P3632BR-R  |
| PG 42           | MCG-PG 42       | 25-31 | 37      | 15       | 57 | Ex-P4231BR-R  |
| PG 42           | MCG-PG 42       | 32-38 | 37      | 15       | 57 | Ex-P4238BR-R  |
| PG 48           | MCG-PG 48       | 29-35 | 38      | 15       | 64 | Ex-P4835BR-R  |
| PG 48           | MCG-PG 48       | 37-44 | 38      | 15       | 64 | Ex-P4844BR-R  |



防爆电缆固定头（特殊型）  
Explosion-proof Exe Cable Gland (Special Type)



→ MCG-T系列 Series



订货数据 Ordering Data

| 规格 Specs<br>øD1 | Model          | mm    | H<br>mm | GL<br>mm | mm | 订货号 Order no  |
|-----------------|----------------|-------|---------|----------|----|---------------|
| NPT 1/4"        | MCG-NPT 1/4"   | 3-6.5 | 19      | 13       | 14 | Ex-N1407BR-R  |
| NPT 3/8"        | MCG-NPT 3/8"   | 2-6   | 21      | 15       | 17 | Ex-N3806BR-R  |
| NPT 3/8"        | MCG-NPT 3/8"   | 4-8   | 21      | 15       | 17 | Ex-N3808BR-R  |
| NPT 3/8"        | MCG-NPT 3/8"   | 3-7   | 21      | 15       | 20 | Ex-N3807BR-R  |
| NPT 3/8"        | MCG-NPT 3/8"   | 5-10  | 21      | 15       | 20 | Ex-N3810BR-R  |
| NPT 1/2"        | MCG-NPT 1/2"   | 5-9   | 22      | 13       | 22 | Ex-N1209BR-R  |
| NPT 1/2"        | MCG-NPT 1/2"   | 6-12  | 22      | 13       | 22 | Ex-N1212BR-R  |
| NPT 1/2"        | MCG-NPT 1/2"   | 10-14 | 23      | 13       | 24 | Ex-N1214BR-R  |
| NPT 3/4"        | MCG-NPT 3/4"   | 9-16  | 24      | 13       | 30 | Ex-N3416BR-R  |
| NPT 3/4"        | MCG-NPT 3/4"   | 13-18 | 24      | 13       | 30 | Ex-N3418BR-R  |
| NPT 1"          | MCG-NPT 1"     | 13-20 | 25      | 15       | 40 | Ex-N10020BR-R |
| NPT 1"          | MCG-NPT 1"     | 18-25 | 25      | 15       | 40 | Ex-N10025BR-R |
| NPT 1 1/4"      | MCG-NPT 1 1/4" | 18-25 | 31      | 17       | 40 | Ex-N11425BR-R |
| NPT 1 1/4"      | MCG-NPT 1 1/4" | 13-30 | 31      | 17       | 40 | Ex-N11430BR-R |
| NPT 1 1/2"      | MCG-NPT 1 1/2" | 20-26 | 37      | 20       | 50 | Ex-N11226BR-R |
| NPT 1 1/2"      | MCG-NPT 1 1/2" | 22-32 | 37      | 20       | 50 | Ex-N11232BR-R |
| NPT 2"          | MCG-NPT 2"     | 29-35 | 37      | 20       | 64 | Ex-N20035BR-R |
| NPT 2"          | MCG-NPT 2"     | 37-44 | 37      | 20       | 64 | Ex-N20044BR-R |
|                 |                |       |         |          |    |               |
| G 1/4"          | MCG-G 1/4"     | 3-6.5 | 19      | 13       | 14 | Ex-G1407BR-R  |
| G 3/8"          | MCG-G 3/8"     | 2-6   | 21      | 15       | 17 | Ex-G3806BR-R  |
| G 3/8"          | MCG-G 3/8"     | 4-8   | 21      | 15       | 17 | Ex-G3808BR-R  |
| G 3/8"          | MCG-G 3/8"     | 3-7   | 21      | 15       | 20 | Ex-G3807BR-R  |
| G 3/8"          | MCG-G 3/8"     | 5-10  | 21      | 15       | 20 | Ex-G3810BR-R  |
| G 1/2"          | MCG-G 1/2"     | 5-9   | 22      | 13       | 22 | Ex-G1209BR-R  |
| G 1/2"          | MCG-G 1/2"     | 6-12  | 22      | 13       | 22 | Ex-G1212BR-R  |
| G 1/2"          | MCG-G 1/2"     | 10-14 | 23      | 13       | 24 | Ex-G1214BR-R  |
| G 3/4"          | MCG-G 3/4"     | 9-16  | 24      | 13       | 30 | Ex-G3416BR-R  |
| G 3/4"          | MCG-G 3/4"     | 13-18 | 24      | 13       | 30 | Ex-G3418BR-R  |
| G 1"            | MCG-G 1"       | 13-20 | 25      | 15       | 40 | Ex-G10020BR-R |
| G 1"            | MCG-G 1"       | 18-25 | 25      | 15       | 40 | Ex-G10025BR-R |
| G 1 1/4"        | MCG-G 1 1/4"   | 18-25 | 31      | 17       | 40 | Ex-G11425BR-R |
| G 1 1/4"        | MCG-G 1 1/4"   | 13-30 | 31      | 17       | 40 | Ex-G11430BR-R |
| G 1 1/2"        | MCG-G 1 1/2"   | 20-26 | 37      | 20       | 50 | Ex-G11226BR-R |
| G 1 1/2"        | MCG-G 1 1/2"   | 22-32 | 37      | 20       | 50 | Ex-G11232BR-R |
| G 2"            | MCG-G 2"       | 29-35 | 37      | 20       | 64 | Ex-G20035BR-R |
| G 2"            | MCG-G 2"       | 37-44 | 37      | 20       | 64 | Ex-G20044BR-R |

防爆铠装防冷流电缆固定头  
Explosion-proof Armored Anti-cold Flow Cable Gland



→ ACG系列 Series



适用范围 Application Scope: 适用于气体1、2区；粉尘21、22区  
Suitable for Gas Zones 1 and 2; Dust Zones 20, 21, and 22  
防护等级 IP Rating: IP66/68(1.5m/30min)  
工作温度 Operating Temperature: -40℃~120℃  
材质 Material: 黄铜镀镍/不锈钢304、316、316L、/碳钢Q235  
防水圈 Seal: 硅橡胶 Silicone Rubber  
垫片 Gasket: 硅橡胶 Silicone Rubber、PTFE  
O型圈 Gasket: 硅橡胶 Silicone Rubber



| 认证数据 Authentication Certificate |                               |                                      |                               |
|---------------------------------|-------------------------------|--------------------------------------|-------------------------------|
| 认证类别 Certificate Type           | 防护类别代码 Ex-Mark                | 认证类别 Certificate Type                | 防护类别代码 Ex-Mark                |
| CCC证书 Certificate               | Ex eb IIC Gb<br>Ex tb IIIC Db | 防爆合格证<br>Explosion-proof Certificate | Ex eb IIC Gb<br>Ex tb IIIC Db |

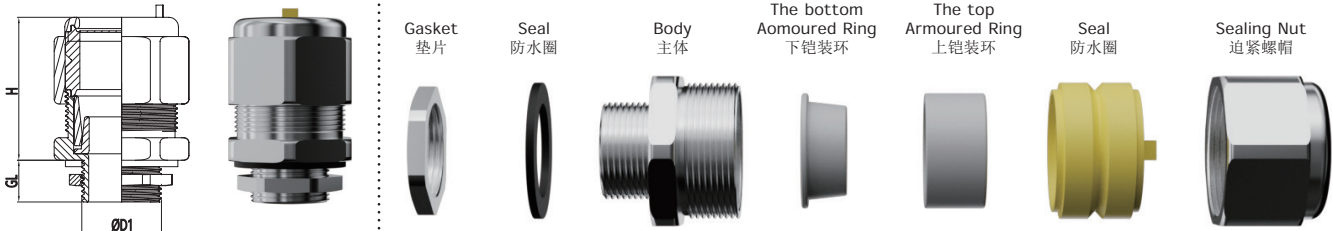
| 技术数据 Technical Data |                                                                                   |
|---------------------|-----------------------------------------------------------------------------------|
| 螺纹规格 Thread Size    | M12-M63、PG7-PG48、NPT1/4"-NPT2"、G1/4"-G2"                                          |
| 材质 Material         | 黄铜镀镍/不锈钢 Nickel-plated Brass / Stainless Steel 304、316、316L、/碳钢 Carbon Steel Q235 |
| 结构 Structure        | 铠装结构设计 Armor Structure Design                                                     |

| 产品FAB The FAB of the Product |                                                                                                                                                                                                                         |
|------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 特点 Feature                   | 支持不同电缆直径和类型,兼容性强 It supports different cable diameters and types, showing strong compatibility.<br>工作环境温度 Working Environment Temperature: -40℃~+120℃, 测试温度 Testing Temperature: -45℃~+140℃<br>防护等级 IP Rating : IP66/68 |
| 优点 Advantage                 | 证书齐全: CCC、防爆合格证。<br>IComplete Certificates: CCC, explosion-proof Certificate.<br>铠装结构设计 Armored structure design                                                                                                        |
| 价值 Benefit                   | 产品适用于冷流型电缆, 具有防冷流功能<br>The product is suitable for cold flow type cables and has the function of preventing cold flow.                                                                                                  |

防爆铠装防冷流电缆固定头  
Explosion-proof Armored Anti-cold Flow Cable Gland



→ ACG系列 Series



订货数据 Ordering Data

| 规格 Specs<br>ØD1 | Dia.Of Outer Sheath<br>mm | Dia.Of Inner Sheath<br>mm | H<br>mm | GL<br>mm |  | 订货号 Order no    |
|-----------------|---------------------------|---------------------------|---------|----------|-------------------------------------------------------------------------------------|-----------------|
| M16 x 1.5       | 6-13                      | 3-8                       | 35      | 13       | 27                                                                                  | Ex-ACG-M1613BR  |
| M20 x 1.5       | 6-13                      | 3-8                       | 35      | 13       | 27                                                                                  | Ex-ACG-M2013BR  |
| M20 x 1.5       | 9.5-16                    | 7.5-12                    | 35      | 13       | 27                                                                                  | Ex-ACG-M2016BR  |
| M20 x 1.5       | 12.5-21                   | 8.7-14                    | 35      | 13       | 30                                                                                  | Ex-ACG-M2021BR  |
| M25 x 1.5       | 9.5-16                    | 7.5-12                    | 35      | 13       | 27                                                                                  | Ex-ACG-M2516BR  |
| M25 x 1.5       | 12.5-21                   | 8.7-14                    | 35      | 13       | 30                                                                                  | Ex-ACG-M2521BR  |
| M25 x 1.5       | 18-26                     | 13-20                     | 45      | 13       | 38                                                                                  | Ex-ACG-M2526BR  |
| M32 x 1.5       | 12.5-21                   | 8.7-14                    | 36      | 15       | 30                                                                                  | Ex-ACG-M3221BR  |
| M32 x 1.5       | 18-26                     | 13-20                     | 45      | 15       | 38                                                                                  | Ex-ACG-M3226BR  |
| M32 x 1.5       | 23-34                     | 19-26.5                   | 48      | 15       | 46                                                                                  | Ex-ACG-M3234BR  |
| M40 x 1.5       | 18-26                     | 13-20                     | 45      | 15       | 38                                                                                  | Ex-ACG-M4026BR  |
| M40 x 1.5       | 23-34                     | 19-26.5                   | 48      | 15       | 46                                                                                  | Ex-ACG-M4034BR  |
| M40 x 1.5       | 28-41                     | 25-32.5                   | 54      | 15       | 55                                                                                  | Ex-ACG-M4041BR  |
| M50 x 1.5       | 23-34                     | 19-26.5                   | 48      | 15       | 46                                                                                  | Ex-ACG-M5034BR  |
| M50 x 1.5       | 28-41                     | 25-32.5                   | 54      | 15       | 55                                                                                  | Ex-ACG-M5041BR  |
| M50 x 1.5       | 35.2-47                   | 31-38                     | 53      | 15       | 65                                                                                  | Ex-ACG-M5047BR  |
| M50 x 1.5       | 43-53                     | 36-44                     | 53      | 15       | 65                                                                                  | Ex-ACG-M5053BR  |
| M63 x 1.5       | 28-41                     | 25-32.5                   | 54      | 15       | 55                                                                                  | Ex-ACG-M6341BR  |
| M63 x 1.5       | 35.2-47                   | 31-38                     | 53      | 15       | 65                                                                                  | Ex-ACG-M6347BR  |
| M63 x 1.5       | 43-53                     | 36-44                     | 53      | 15       | 65                                                                                  | Ex-ACG-M6353BR  |
| M63 x 1.5       | 45.6-59.4                 | 41.5-50                   | 58      | 15       | 80                                                                                  | Ex-ACG-M6359BR  |
| M63 x 1.5       | 54.6-66                   | 48-55                     | 58      | 15       | 80                                                                                  | Ex-ACG-M6366BR  |
| PG 9            | 6-13                      | 3-8                       | 35      | 13       | 27                                                                                  | Ex-ACG-P0913BR  |
| PG 11           | 6-13                      | 3-8                       | 35      | 13       | 27                                                                                  | Ex-ACG-P1113BR  |
| PG 13.5         | 6-13                      | 3-8                       | 35      | 13       | 27                                                                                  | Ex-ACG-P13513BR |
| PG 13.5         | 9.5-16                    | 7.5-12                    | 35      | 13       | 27                                                                                  | Ex-ACG-P13516BR |
| PG 13.5         | 12.5-21                   | 8.7-14                    | 35      | 13       | 30                                                                                  | Ex-ACG-P13521BR |
| PG 16           | 6-13                      | 3-8                       | 35      | 13       | 27                                                                                  | Ex-ACG-P1613BR  |
| PG 16           | 9.5-16                    | 7.5-12                    | 35      | 13       | 27                                                                                  | Ex-ACG-P1616BR  |
| PG 16           | 12.5-21                   | 8.7-14                    | 35      | 13       | 30                                                                                  | Ex-ACG-P1621BR  |
| PG 21           | 9.5-16                    | 7.5-12                    | 35      | 13       | 27                                                                                  | Ex-ACG-P2116BR  |
| PG 21           | 12.5-21                   | 8.7-14                    | 35      | 13       | 30                                                                                  | Ex-ACG-P2121BR  |
| PG 21           | 18-26                     | 13-20                     | 45      | 13       | 38                                                                                  | Ex-ACG-P2126BR  |
| PG 29           | 12.5-21                   | 8.7-14                    | 36      | 15       | 30                                                                                  | Ex-ACG-P2921BR  |
| PG 29           | 18-26                     | 13-20                     | 45      | 15       | 38                                                                                  | Ex-ACG-P2926BR  |
| PG 29           | 23-34                     | 19-26.5                   | 48      | 15       | 46                                                                                  | Ex-ACG-P2934BR  |
| PG 36           | 18-26                     | 13-20                     | 45      | 15       | 38                                                                                  | Ex-ACG-P3626BR  |
| PG 36           | 23-34                     | 19-26.5                   | 48      | 15       | 46                                                                                  | Ex-ACG-P3634BR  |
| PG 36           | 28-41                     | 25-32.5                   | 54      | 15       | 55                                                                                  | Ex-ACG-P3641BR  |
| PG 42           | 23-34                     | 19-26.5                   | 48      | 15       | 46                                                                                  | Ex-ACG-P4234BR  |
| PG 42           | 28-41                     | 25-32.5                   | 54      | 15       | 55                                                                                  | Ex-ACG-P4241BR  |
| PG 42           | 35.2-47                   | 31-38                     | 53      | 15       | 65                                                                                  | Ex-ACG-P4247BR  |
| PG 42           | 43-53                     | 36-44                     | 53      | 15       | 65                                                                                  | Ex-ACG-P4253BR  |
| PG 48           | 28-41                     | 25-32.5                   | 54      | 15       | 55                                                                                  | Ex-ACG-P4841BR  |
| PG 48           | 35.2-47                   | 31-38                     | 53      | 15       | 65                                                                                  | Ex-ACG-P4847BR  |
| PG 48           | 43-53                     | 36-44                     | 53      | 15       | 65                                                                                  | Ex-ACG-P4853BR  |
| PG 48           | 45.6-59.4                 | 41.5-50                   | 58      | 15       | 80                                                                                  | Ex-ACG-P4859BR  |
| PG 48           | 54.6-66                   | 48-55                     | 58      | 15       | 80                                                                                  | Ex-ACG-P4866BR  |

防爆铠装防冷流电缆固定头  
Explosion-proof Armored Anti-cold Flow Cable Gland

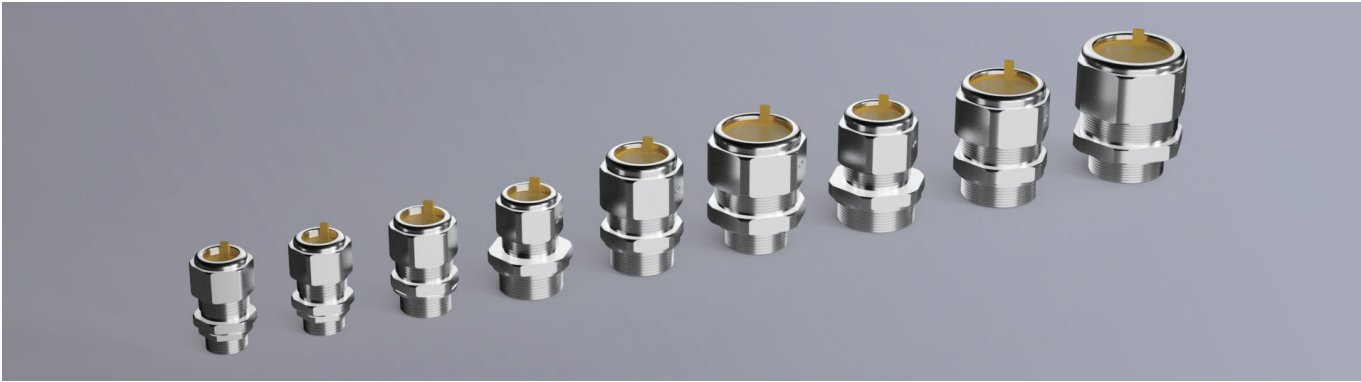


→ ACG系列 Series



订货数据 Ordering Data

| 规格 Specs<br>ØD1 | Dia.Of Outer Sheath<br>mm | Dia.Of Inner Sheath<br>mm | H<br>mm | GL<br>mm |  | 订货号 Order no    |
|-----------------|---------------------------|---------------------------|---------|----------|-------------------------------------------------------------------------------------|-----------------|
| NPT 3/8"        | 6-13                      | 3-8                       | 35      | 13       | 27                                                                                  | Ex-ACG-N3813BR  |
| NPT 1/2"        | 6-13                      | 3-8                       | 35      | 13       | 27                                                                                  | Ex-ACG-N1213BR  |
| NPT 1/2"        | 9.5-16                    | 7.5-12                    | 35      | 13       | 27                                                                                  | Ex-ACG-N1216BR  |
| NPT 1/2"        | 12.5-21                   | 8.7-14                    | 35      | 13       | 30                                                                                  | Ex-ACG-N1221BR  |
| NPT 3/4"        | 9.5-16                    | 7.5-12                    | 35      | 13       | 27                                                                                  | Ex-ACG-N3416BR  |
| NPT 3/4"        | 12.5-21                   | 8.7-14                    | 35      | 13       | 30                                                                                  | Ex-ACG-N3421BR  |
| NPT 3/4"        | 18-26                     | 13-20                     | 45      | 13       | 38                                                                                  | Ex-ACG-N3426BR  |
| NPT 1"          | 12.5-21                   | 8.7-14                    | 36      | 15       | 30                                                                                  | Ex-ACG-N10021BR |
| NPT 1"          | 18-26                     | 13-20                     | 45      | 15       | 38                                                                                  | Ex-ACG-N10026BR |
| NPT 1"          | 23-34                     | 19-26.5                   | 48      | 15       | 46                                                                                  | Ex-ACG-N10034BR |
| NPT 1 1/4"      | 18-26                     | 13-20                     | 45      | 15       | 38                                                                                  | Ex-ACG-N11426BR |
| NPT 1 1/4"      | 23-34                     | 19-26.5                   | 48      | 15       | 46                                                                                  | Ex-ACG-N11434BR |
| NPT 1 1/4"      | 28-41                     | 25-32.5                   | 54      | 15       | 55                                                                                  | Ex-ACG-N11441BR |
| NPT 1 1/2"      | 23-34                     | 19-26.5                   | 48      | 15       | 46                                                                                  | Ex-ACG-N11234BR |
| NPT 1 1/2"      | 28-41                     | 25-32.5                   | 54      | 15       | 55                                                                                  | Ex-ACG-N11241BR |
| NPT 1 1/2"      | 35.2-47                   | 31-38                     | 53      | 15       | 65                                                                                  | Ex-ACG-N11247BR |
| NPT 1 1/2"      | 43-53                     | 36-44                     | 53      | 15       | 65                                                                                  | Ex-ACG-N11253BR |
| NPT 2"          | 28-41                     | 25-32.5                   | 54      | 15       | 55                                                                                  | Ex-ACG-N20041BR |
| NPT 2"          | 35.2-47                   | 31-38                     | 53      | 15       | 65                                                                                  | Ex-ACG-N20047BR |
| NPT 2"          | 43-53                     | 36-44                     | 53      | 15       | 65                                                                                  | Ex-ACG-N20053BR |
| NPT 2"          | 45.6-59.4                 | 41.5-50                   | 58      | 15       | 80                                                                                  | Ex-ACG-N20059BR |
| NPT 2"          | 54.6-66                   | 48-55                     | 58      | 15       | 80                                                                                  | Ex-ACG-N20066BR |
| G 3/8"          | 6-13                      | 3-8                       | 35      | 13       | 27                                                                                  | Ex-ACG-G3813BR  |
| G 1/2"          | 6-13                      | 3-8                       | 35      | 13       | 27                                                                                  | Ex-ACG-G1213BR  |
| G 1/2"          | 9.5-16                    | 7.5-12                    | 35      | 13       | 27                                                                                  | Ex-ACG-G1216BR  |
| G 1/2"          | 12.5-21                   | 8.7-14                    | 35      | 13       | 30                                                                                  | Ex-ACG-G1221BR  |
| G 3/4"          | 9.5-16                    | 7.5-12                    | 35      | 13       | 27                                                                                  | Ex-ACG-G3416BR  |
| G 3/4"          | 12.5-21                   | 8.7-14                    | 35      | 13       | 30                                                                                  | Ex-ACG-G3421BR  |
| G 3/4"          | 18-26                     | 13-20                     | 45      | 13       | 38                                                                                  | Ex-ACG-G3426BR  |
| G 1"            | 12.5-21                   | 8.7-14                    | 36      | 15       | 30                                                                                  | Ex-ACG-G10021BR |
| G 1"            | 18-26                     | 13-20                     | 45      | 15       | 38                                                                                  | Ex-ACG-G10026BR |
| G 1"            | 23-34                     | 19-26.5                   | 48      | 15       | 46                                                                                  | Ex-ACG-G10034BR |
| G 1 1/4"        | 18-26                     | 13-20                     | 45      | 15       | 38                                                                                  | Ex-ACG-G11426BR |
| G 1 1/4"        | 23-34                     | 19-26.5                   | 48      | 15       | 46                                                                                  | Ex-ACG-G11434BR |
| G 1 1/4"        | 28-41                     | 25-32.5                   | 54      | 15       | 55                                                                                  | Ex-ACG-G11441BR |
| G 1 1/2"        | 23-34                     | 19-26.5                   | 48      | 15       | 46                                                                                  | Ex-ACG-G11234BR |
| G 1 1/2"        | 28-41                     | 25-32.5                   | 54      | 15       | 55                                                                                  | Ex-ACG-G11241BR |
| G 1 1/2"        | 35.2-47                   | 31-38                     | 53      | 15       | 65                                                                                  | Ex-ACG-G11247BR |
| G 1 1/2"        | 43-53                     | 36-44                     | 53      | 15       | 65                                                                                  | Ex-ACG-G11253BR |
| G 2"            | 28-41                     | 25-32.5                   | 54      | 15       | 55                                                                                  | Ex-ACG-G20041BR |
| G 2"            | 35.2-47                   | 31-38                     | 53      | 15       | 65                                                                                  | Ex-ACG-G20047BR |
| G 2"            | 43-53                     | 36-44                     | 53      | 15       | 65                                                                                  | Ex-ACG-G20053BR |
| G 2"            | 45.6-59.4                 | 41.5-50                   | 58      | 15       | 80                                                                                  | Ex-ACG-G20059BR |
| G 2"            | 54.6-66                   | 48-55                     | 58      | 15       | 80                                                                                  | Ex-ACG-G20066BR |





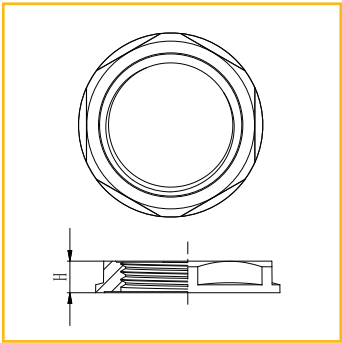
尼龙六角螺母  
Nylon Locknuts



→ M/PG

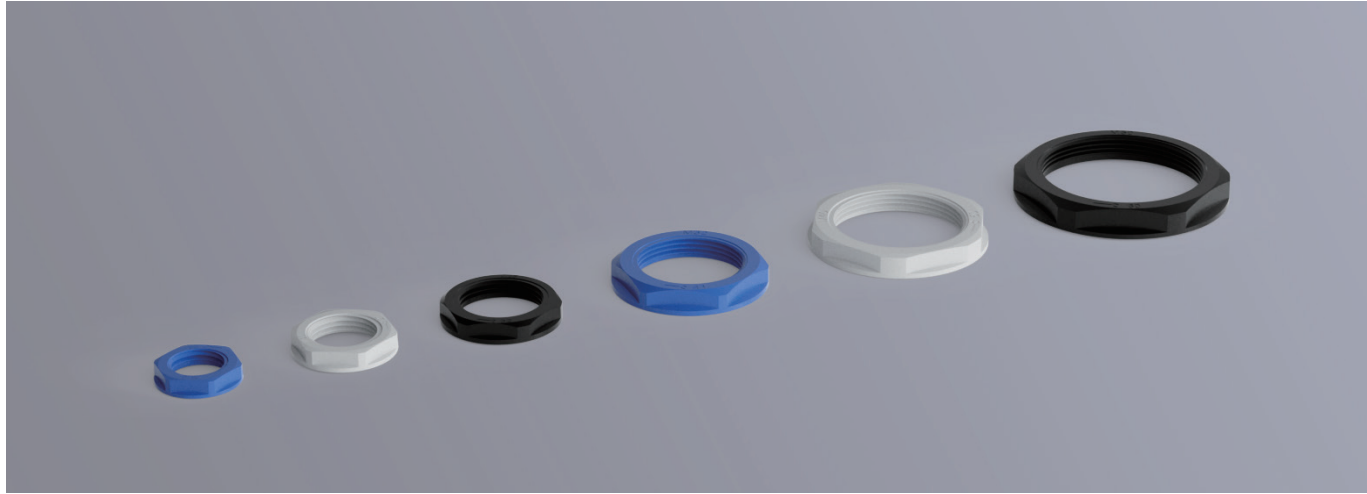
RoHS

材料 Material: 采用UL认可的尼龙材料 PA (NYLON), UL 94 V-2  
工作温度 Operating Temperature: -40℃ to100℃  
颜色种类 Color: 灰色、黑色, 其他颜色可定做  
Grey(RAL7035), Black(RAL9005), Other Colors Customized.  
材料种类 Material Options: V0或F1可定做 V0, or F1 Can be Offered Upon Request.



订货数据 Ordering Data

| 规格 Specs<br>ØD1 | H<br>mm | <br>mm | 订货号 Order no<br>RAL7035 | 订货号 Order no<br>RAL9005 |
|-----------------|---------|-----------------------------------------------------------------------------------------|-------------------------|-------------------------|
| M12 x 1.5       | 5       | 17                                                                                      | M12-LN                  | M12-LNB                 |
| M16 x 1.5       | 5       | 22                                                                                      | M16-LN                  | M16-LNB                 |
| M20 x 1.5       | 5.7     | 27                                                                                      | M20-LN                  | M20-LNB                 |
| M25 x 1.5       | 6       | 32                                                                                      | M25-LN                  | M25-LNB                 |
| M32 x 1.5       | 7       | 41                                                                                      | M32-LN                  | M32-LNB                 |
| M40 x 1.5       | 7       | 50                                                                                      | M40-LN                  | M40-LNB                 |
| M50 x 1.5       | 8.5     | 60                                                                                      | M50-LN                  | M50-LNB                 |
| M63 x 1.5       | 8       | 75                                                                                      | M63-LN                  | M63-LNB                 |
| PG 7            | 5       | 19                                                                                      | P07-LN                  | P07-LNB                 |
| PG 9            | 5       | 22                                                                                      | P09-LN                  | P09-LNB                 |
| PG 11           | 5       | 24                                                                                      | P11-LN                  | P11-LNB                 |
| PG 13.5         | 5.7     | 27                                                                                      | P13-LN                  | P13-LNB                 |
| PG 16           | 5.7     | 30                                                                                      | P16-LN                  | P16-LNB                 |
| PG 19           | 6       | 30                                                                                      | P19-LN                  | P19-LNB                 |
| PG 21           | 6       | 36                                                                                      | P21-LN                  | P21-LNB                 |
| PG 29           | 7       | 46                                                                                      | P29-LN                  | P29-LNB                 |
| PG 36           | 7.6     | 60                                                                                      | P36-LN                  | P36-LNB                 |
| PG 42           | 8       | 65                                                                                      | P42-LN                  | P42-LNB                 |
| PG 48           | 7.8     | 70                                                                                      | P48-LN                  | P48-LNB                 |



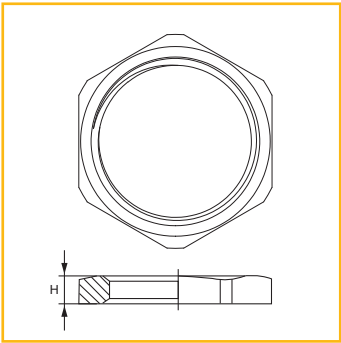
金属六角螺母  
Metal Locknuts



→ M/PG/G

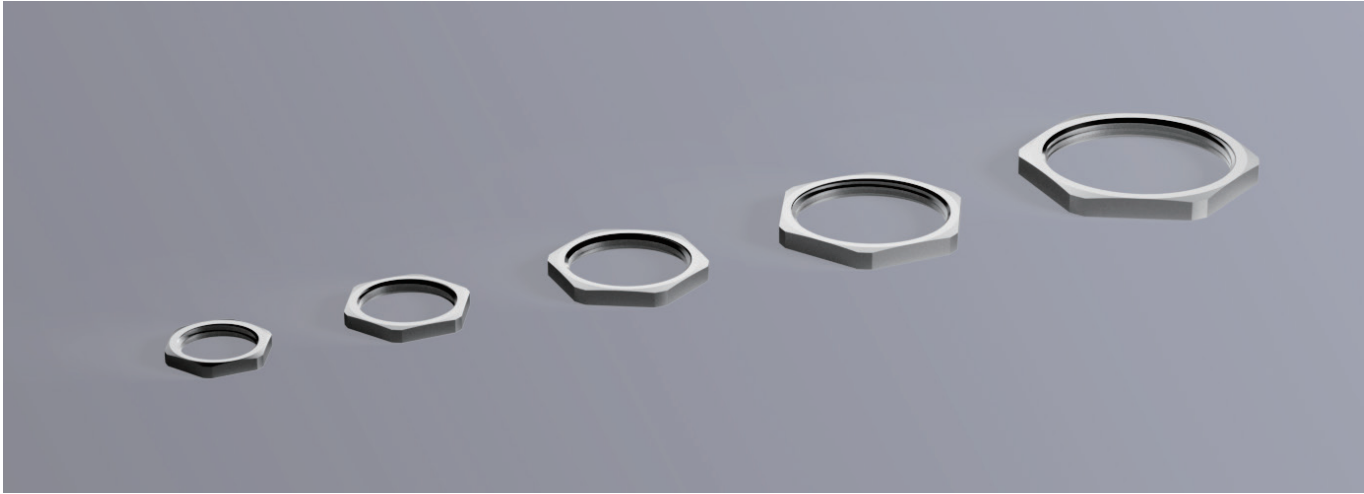
RoHS

材料 Material: 黄铜镀镍 Nickel-plated Brass  
工作温度 Operating Temperature: -60℃ to 200℃



订货数据 Ordering Data

| 规格 Specs<br>ØD1 | H<br>mm | <br>mm | 订货号 Order no |
|-----------------|---------|-------------------------------------------------------------------------------------------|--------------|
| M12 x 1.5       | 2.6     | 15                                                                                        | M 12BR-LN    |
| M16 x 1.5       | 2.8     | 19                                                                                        | M 16BR-LN    |
| M20 x 1.5       | 3.0     | 23                                                                                        | M 20BR-LN    |
| M25 x 1.5       | 3.5     | 29                                                                                        | M 25BR-LN    |
| M32 x 1.5       | 4       | 36                                                                                        | M 32BR-LN    |
| M40 x 1.5       | 4       | 45                                                                                        | M 40BR-LN    |
| M50 x 1.5       | 5.5     | 55                                                                                        | M 50BR-LN    |
| M63 x 1.5       | 6       | 70                                                                                        | M 63BR-LN    |
| PG 7            | 2.7     | 15                                                                                        | P07BR-LN     |
| PG 9            | 3       | 18                                                                                        | P09BR-LN     |
| PG 11           | 3       | 21                                                                                        | P11BR-LN     |
| PG 13.5         | 3       | 23                                                                                        | P13BR-LN     |
| PG 16           | 3       | 26                                                                                        | P16BR-LN     |
| PG 21           | 3.5     | 32                                                                                        | P21BR-LN     |
| PG 29           | 4       | 41                                                                                        | P29BR-LN     |
| PG 36           | 5       | 51                                                                                        | P36BR-LN     |
| PG 42           | 5       | 60                                                                                        | P42BR-LN     |
| PG 48           | 5.5     | 64                                                                                        | P48BR-LN     |
| G 1/4"          | 4       | 17                                                                                        | G14BR-LN     |
| G 3/8"          | 4.5     | 19                                                                                        | G38BR-LN     |
| G 1/2"          | 5       | 24                                                                                        | G12BR-LN     |
| G 3/4"          | 5       | 30                                                                                        | G34BR-LN     |
| G 1"            | 6       | 40                                                                                        | G100BR-LN    |
| G 1 1/4"        | 6       | 50                                                                                        | G114BR-LN    |
| G 1 1/2"        | 6       | 57                                                                                        | G112BR-LN    |
| G 2"            | 6       | 64                                                                                        | G200BR-LN    |





隔爆型防爆电缆固定头

Ex-proof Exd Cable Gland



隔爆电缆电缆固定头选型指南  
Exd Cable Gland Selection-guide

| → BST-Exd系列 Series               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                    |                               |                                  |                                                    |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|-------------------------------|----------------------------------|----------------------------------------------------|
| <div>IECExATEXCCCRoHSREACH</div> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                    |                               |                                  |                                                    |
| 产品系列<br>Product Series           | <div><div></div><div></div><div></div><div></div><div></div></div> <div>SSDSSSFSTSSFT</div> |                    |                               |                                  |                                                    |
| 材质<br>Material                   | 黄铜镀镍、不锈钢<br>Nickel-plated Brass、Stainless Steel 304 316 316L                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                    |                               |                                  |                                                    |
| 结构类型<br>Cable Gland Type         | 单密封<br>Single Seal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 双密封<br>Double Seal | 单密封带填料<br>Single Seal Barrier | 单密封带绕线管<br>Single Seal with Tube | 单密封<br>带填料带绕线管<br>Single Seal Barrier<br>with Tube |
| 认证类别<br>Certifications           | IECEX<br>ATEX<br>CCC<br>防爆合格证<br>Explosion-proof Certificate                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                    |                               |                                  |                                                    |
| 防爆标志<br>Ex-Mark                  | <div>Ex db II C Gb<br/>Ex eb II C Gb<br/>Ex nR II C Gc<br/>Ex ta III C Da IP66/IP68<br/>Ex db I Mb</div> <div>Ex eb I Mb<br/>I M2 Ex db I Mb<br/>Ex eb I Mb<br/>II 2 G Ex db II C Gb<br/>Ex eb II C Gb</div> <div>1 D Ex ta<br/>III C Da IP66/IP68<br/>II 3 G Ex nR<br/>II C Gc</div>                                                                                                                                                                                                                                      |                    |                               |                                  |                                                    |
| 防护等级<br>IP Rating                | IP66<br>IP68(10m,8h)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                    |                               |                                  |                                                    |
| 工作温度<br>Operating Temperature    | -60 C ~+130 C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                    |                               |                                  |                                                    |
| 螺纹规格<br>Thread Type              | M16-M100<br>NPT 1/2"-NPT 4"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                    |                               |                                  |                                                    |
| 详细页码<br>Page Number              | P99-P101                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | P102-P104          | P105-P107                     | P108-P110                        | P111-P113                                          |

| 型号含义 Model Meaning                 |                      |                                                                                                                      |                                                                                             |                                                                 |                                                                                                                                                       |
|------------------------------------|----------------------|----------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|-----------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| BST                                | Exd-                 | □                                                                                                                    | □                                                                                           | □                                                               | □                                                                                                                                                     |
| ▼                                  | ▼                    | ▼                                                                                                                    | ▼                                                                                           | ▼                                                               | ▼                                                                                                                                                     |
| 倍仕得<br>BEISIT                      | 隔爆型 Flame-proof Type | 系列代号 The Series Code<br>SS: Single Seal<br>DS: Double Seal<br>SST: Single Seal With Tube<br>SST: Single Seal Barrier | 螺纹规格 Thread Specification<br>M16: M16*1.5<br>M25: M25*1.5<br>N12: NPT 1/2"<br>N34: NPT 3/4" | 最大电缆外径<br>Maximum Cable Outer Diameter<br>08: 直径 Diameter 3-8mm | 材质 Material<br>BR: 黄铜镀镍<br>Nickel-plated Brass<br>SS: 不锈钢<br>Stainless Steel 304<br>SA: 不锈钢<br>Stainless Steel 316<br>SB: 不锈钢<br>Stainless Steel 316L |
| 举例 For Example: BST-Exd-DS-M1608BR |                      |                                                                                                                      |                                                                                             |                                                                 |                                                                                                                                                       |



隔爆铠装电缆固定头选型指南  
Ex-proof Exd Armored Cable Gland Selection-guide



|                               |  |                                                                                           |  |                                                                                      |  |                                                                                     |  |                                                                                     |  |                                                                                     |  |
|-------------------------------|--|-------------------------------------------------------------------------------------------|--|--------------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------------|--|
| → BST-Exd系列 Series            |  |        |  |   |  |  |  |  |  |  |  |
| 产品系列<br>Product Series        |  |          |  |     |  |   |  |  |  |                                                                                     |  |
|                               |  | DSA                                                                                       |  | DSAC                                                                                 |  | SSFA                                                                                |  | SFAC                                                                                |  |                                                                                     |  |
| 材质<br>Material                |  | 黄铜镀镍、不锈钢<br>Nickel-plated Brass、Stainless Steel 304 316 316L                              |  |                                                                                      |  |                                                                                     |  |                                                                                     |  |                                                                                     |  |
| 结构类型<br>Cable Gland Type      |  | 铠装双密封<br>Armored Double Seal                                                              |  | 铠装双密封双锁紧<br>Armored Double Seal with<br>Centric Strain Relief                        |  | 铠装单密封带填料<br>Armored Single Seal<br>with Tube                                        |  | 铠装单密封双锁紧带填料<br>Armored Single Seal with<br>CentricStrain Relief and Tube            |  |                                                                                     |  |
| 认证类别<br>Certifications        |  | IECEX<br>ATEX<br>CCC<br>防爆合格证<br>Explosion-proof Certificate                              |  |                                                                                      |  |                                                                                     |  |                                                                                     |  |                                                                                     |  |
| 防爆标志<br>Ex-Mark               |  | Ex db II C Gb<br>Ex eb II C Gb<br>Ex nR II C Gc<br>Ex ta III C Da IP66/IP68<br>Ex db I Mb |  | Ex eb I Mb<br>I M2 Ex db I Mb<br>Ex eb I Mb<br>II 2 G Ex db II C Gb<br>Ex eb II C Gb |  | 1 D Ex ta<br>III C Da IP66/1P68<br>II 3 G Ex nR<br>II C Gc                          |  |                                                                                     |  |                                                                                     |  |
| 防护等级<br>IP Rating             |  | IP66<br>IP68(10m,8h)                                                                      |  |                                                                                      |  |                                                                                     |  |                                                                                     |  |                                                                                     |  |
| 工作温度<br>Operating Temperature |  | -60℃~+130℃                                                                                |  |                                                                                      |  |                                                                                     |  |                                                                                     |  |                                                                                     |  |
| 螺纹规格<br>Thread Type           |  | M16-M100<br>NPT 1/2"-NPT 4"                                                               |  |                                                                                      |  |                                                                                     |  |                                                                                     |  |                                                                                     |  |
| 详细页码<br>Page Number           |  | P114-P116                                                                                 |  | P117-P119                                                                            |  | P120-P122                                                                           |  | P123-P125                                                                           |  |                                                                                     |  |



隔爆配件选型指南  
Selection Guide for Explosion - proof Accessories

|                              |                                                                                                                    |                                                                                                                                         |                                                                                                                      |                                                                                                         |                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |  |  |  |  |
|------------------------------|--------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|
|                              |                                                                                                                    |                                                                                                                                         |                                                                                                                      |                                                                                                         |                                                                                                     |      |  |  |  |  |  |
| 产品系列<br>Product Series       | <br>金属六角螺母<br>Hex Metal Locknut | <br>PTFE垫片<br>硅胶垫片<br>PTFE Gasket<br>Silicone Gasket | <br>防震垫片<br>Anti-vibration Gasket | <br>接地片<br>Earth Tag | <br>护套<br>Sheath |                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |  |  |  |  |
| 材质<br>Material               | 黄铜镀镍/不锈钢<br>Nickel Plated Brass<br>Stainless Steel                                                                 | 聚四氟乙烯/硅胶<br>PTFE<br>Silicone Rubber                                                                                                     | 304不锈钢<br>304 Stainless Steel                                                                                        | 黄铜镀镍<br>Nickel-plated Brass                                                                             | PVC                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |  |  |  |  |
| 温度范围<br>Temperature Range    | -60℃~200℃                                                                                                          | -180℃~260℃<br>-60℃~130℃                                                                                                                 | -70℃~200℃                                                                                                            | -70℃~150℃                                                                                               | -60℃~90℃                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |  |  |  |  |
| 适用规格<br>Thread Specification | M16-M100                                                                                                           | M16-M100<br>NPT 1/2"-NPT 4"                                                                                                             | M16-M100<br>NPT 1/2"-NPT 4"                                                                                          | M16-M100<br>NPT 1/2"-NPT 4"                                                                             | M16-M100                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |  |  |  |  |
| 详细页码<br>Page Number          | P126                                                                                                               | P127-P128                                                                                                                               | P129                                                                                                                 | P130                                                                                                    | P131                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |  |  |  |  |

隔爆电缆固定头（单密封）  
Single Sealing Exd Cable Gland



→ BST-Exd-SS系列 Series

|                                         |                                                                                                                                                                                                                                                                      |
|-----------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 设计规范 Design Specification:              | IEC62444,EN62444                                                                                                                                                                                                                                                     |
| 符合标准 Standards:                         | IEC 60079-0,IEC 60079-1,IEC 60079-7,IEC 60079-15,IEC 60079-31;<br>EN 60079-0,EN 60079-1,EN 60079-7,EN 60079-15,EN 60079-31<br>GB/T 3836.1、GB/T 3836.2、GB/T 3836.3、GB/T 3836.31<br>适用于气体1、2区；粉尘20、21、22区<br>Suitable for Gas Zones 1 and 2; Dust Zones 20, 21, and 22 |
| 适用范围 Application Scope:                 | 非铠装和编织电缆 Non-Armoured & Braided Cable                                                                                                                                                                                                                                |
| 适用电缆类型 Cable Type:                      | -60℃-130℃                                                                                                                                                                                                                                                            |
| 工作温度 Operating Temperature:             | -65℃-150℃                                                                                                                                                                                                                                                            |
| 认证测试温度 Certificate Testing Temperature: | IP66/IP68(10m 8h)                                                                                                                                                                                                                                                    |
| 进线处防护等级 IP Rating :                     |                                                                                                                                                                                                                                                                      |



| 认证数据 Authentication Certificate |                                                                                                                           |                                      |                                                |
|---------------------------------|---------------------------------------------------------------------------------------------------------------------------|--------------------------------------|------------------------------------------------|
| 认证类别 Certificate Type           | 防护类别代码 Ex-Mark                                                                                                            | 认证类别 Certificate Type                | 防护类别代码 Ex-Mark                                 |
| IECEx证书 Certificate             | Ex db IIC Gb<br>Ex eb IIC Gb<br>Ex nR IIC Gc<br>Ex ta IIIC Da IP66/IP68<br>Ex db I Mb<br>Ex eb I Mb                       | CCC证书 Certificate                    | Ex db IIC Gb<br>Ex eb IIC Gb<br>Ex tb IIIC Db  |
| ATEX证书 Certificate              | I M2 Ex db I Mb/Ex eb I Mb<br>II 2 G Ex db II C Gb/Ex eb II C Gb<br>II 1 D Ex ta IIIC Da IP66/IP68<br>II 3 G Ex nR IIC Gc | 防爆合格证<br>Explosion-proof Certificate | Ex db II C Gb/Ex tb IIIC Db<br>IP66/68(10m.8h) |

| 技术数据 Technical Data |                                                                                 |
|---------------------|---------------------------------------------------------------------------------|
| 螺纹规格 Thread Size    | M16-M100、NPT 1/2"-NPT 4"                                                        |
| 材质 Material         | 黄铜镀镍、不锈钢 Nickel-plated Brass, Stainless Steel (304, 316, 316L)                  |
| 拉力测试 Tensile Test   | 承重测试直径20倍（100%拉力） Load-bearing Test: 20 Times The Diameter (100% Tensile Force) |
| 静压 Hydrostatic Test | 静压测试 Hydrostatic Test 30bar                                                     |

| 产品FAB The FAB of the Product |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 特点 Feature                   | 防呆结构设计 Foolproof structural design.<br>同一种规格型号，统一的扳手位尺寸 The same specification and model, unified wrench position size.<br>可承重电缆直径20倍100%拉力 Can bear 20 times the cable diameter 100% tension.<br>静压可承受30bar压力 Static pressure can withstand 30bar pressure.                                                                                                                                                                                                                                                                                                     |
| 优点 Advantage                 | 产品规格齐全 The product comes in a wide range of specifications (M16-M100、NPT1/2"~NPT4")<br>证书齐全：IECEx、ATEX、CCC、防爆合格证<br>Complete certificates: IECEx, ATEX, CCC, explosion-proof certificate.<br>可正常应用在-60℃的极低温区域 It can be normally used in extremely low - temperature areas of - 60℃.<br>可正常应用在+130℃的极高温区域 It can be normally used in extremely high - temperature areas of + 130℃.<br>实验测试温度：-65℃~+150℃ The experimental test temperature ranges from - 65℃ to +150℃.<br>可在水下10米,正常使用8小时 It can be used normally underwater at a depth of 10 meters for 8 hours. |
| 价值 Benefit                   | 可带挠线管结构的隔爆电缆固定头自带活接头功能，降低采购成本，客户可不再采购防爆活接头，同时现场施工可提高20%效率<br>The explosion-proof cable gland with flexible pipe structure has a self-contained flexible joint function, which reduces the procurement cost. Customers no longer need to purchase explosion-proof flexible cable gland.<br>At the same time, the on-site construction efficiency can be increased by 20%.<br>产品适用于冷流型电缆，具有防冷流功能<br>The product is suitable for cold flow type cables and has anti-cold flow function.                                                                             |

隔爆电缆固定头（单密封）  
Single Sealing Exd Cable Gland



→ BST-Exd-SS系列 Series



订货数据 Ordering Data

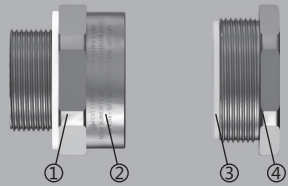
| 规格 Specs<br>ØD1 | Φ<br>mm   | H<br>mm | GL<br>mm | mm  | 订货号 Order no<br>(BR-黄铜镀镍、SS-304、SA-316、SB-316L) |
|-----------------|-----------|---------|----------|-----|-------------------------------------------------|
| M16 x 1.5       | 3.0-8.0   | 30      | 15       | 24  | BST-Exd-SS-M1608BR                              |
| M20 x 1.5       | 3.0-8.0   | 29      | 15       | 24  | BST-Exd-SS-M2008BR                              |
| M20 x 1.5       | 7.5-12.0  | 29      | 15       | 24  | BST-Exd-SS-M2012BR                              |
| M20 x 1.5       | 8.7-14.0  | 30      | 15       | 27  | BST-Exd-SS-M2014BR                              |
| M25 x 1.5       | 9.0-15.0  | 38      | 15       | 36  | BST-Exd-SS-M2515BR                              |
| M25 x 1.5       | 13.0-20.0 | 38      | 15       | 36  | BST-Exd-SS-M2520BR                              |
| M32 x 1.5       | 19.0-26.5 | 36      | 15       | 43  | BST-Exd-SS-M3227BR                              |
| M40 x 1.5       | 25.0-32.5 | 39      | 15       | 50  | BST-Exd-SS-M4033BR                              |
| M50 x 1.5       | 31.0-38.0 | 40      | 15       | 55  | BST-Exd-SS-M5038BR                              |
| M50 x 1.5       | 36.0-44.0 | 45      | 15       | 60  | BST-Exd-SS-M5044BR                              |
| M63 x 1.5       | 41.5-50.0 | 46      | 15       | 75  | BST-Exd-SS-M6350BR                              |
| M63 x 1.5       | 48.0-55.0 | 46      | 15       | 75  | BST-Exd-SS-M6355BR                              |
| M75 x 1.5       | 54.0-62.0 | 45      | 15       | 90  | BST-Exd-SS-M7562BR                              |
| M75 x 1.5       | 61.0-68.0 | 45      | 15       | 90  | BST-Exd-SS-M7568BR                              |
| M80 x 2.0       | 67.0-73.0 | 61      | 24       | 96  | BST-Exd-SS-M8073BR                              |
| M90 x 2.0       | 66.6-80.0 | 60      | 24       | 108 | BST-Exd-SS-M9080BR                              |
| M100 x 2.0      | 76.0-89.0 | 76      | 24       | 123 | BST-Exd-SS-M10089BR                             |
|                 |           |         |          |     |                                                 |
| NPT 1/2"        | 3.0-8.0   | 29      | 19.9     | 24  | BST-Exd-SS-N1208BR                              |
| NPT 3/4"        | 3.0-8.0   | 29      | 19.9     | 27  | BST-Exd-SS-N3408BR                              |
| NPT 1/2"        | 7.5-12.0  | 29      | 19.9     | 24  | BST-Exd-SS-N1212BR                              |
| NPT 3/4"        | 7.5-12.0  | 29      | 19.9     | 27  | BST-Exd-SS-N3412BR                              |
| NPT 1/2"        | 8.7-14.0  | 30      | 19.9     | 27  | BST-Exd-SS-N1214BR                              |
| NPT 3/4"        | 8.7-14.0  | 30      | 19.9     | 27  | BST-Exd-SS-N3414BR                              |
| NPT 3/4"        | 9.0-15.0  | 38      | 20.2     | 36  | BST-Exd-SS-N3415BR                              |
| NPT 3/4"        | 13.0-20.0 | 38      | 20.2     | 36  | BST-Exd-SS-N3420BR                              |
| NPT 1"          | 9.0-15.0  | 38      | 20.2     | 36  | BST-Exd-SS-N10020BR                             |
| NPT 1"          | 13.0-20.0 | 38      | 20.2     | 36  | BST-Exd-SS-N10020BR                             |
| NPT 1"          | 19.0-26.5 | 36      | 25       | 43  | BST-Exd-SS-N10027BR                             |
| NPT 1 1/4"      | 19.0-26.5 | 36      | 25       | 43  | BST-Exd-SS-N11427BR                             |
| NPT 1 1/4"      | 25.0-32.5 | 39      | 25.6     | 50  | BST-Exd-SS-N11433BR                             |
| NPT 1 1/2"      | 25.0-32.5 | 39      | 25.6     | 50  | BST-Exd-SS-N11233BR                             |
| NPT 2"          | 31.0-38.0 | 40      | 26.1     | 70  | BST-Exd-SS-N20038BR                             |
| NPT 2"          | 35.6-44.0 | 45      | 26.9     | 70  | BST-Exd-SS-N20044BR                             |
| NPT 2 1/2"      | 35.6-44.0 | 45      | 26.9     | 80  | BST-Exd-SS-N21244BR                             |
| NPT 2 1/2"      | 41.5-50.0 | 46      | 26.9     | 80  | BST-Exd-SS-N21250BR                             |
| NPT 2 1/2"      | 48.0-55.0 | 46      | 39.9     | 80  | BST-Exd-SS-N21255BR                             |
| NPT 3"          | 48.0-55.0 | 46      | 39.9     | 96  | BST-Exd-SS-N30055BR                             |
| NPT 3"          | 54.0-62.0 | 45      | 39.9     | 96  | BST-Exd-SS-N30062BR                             |
| NPT 3"          | 61.0-68.0 | 45      | 41.5     | 96  | BST-Exd-SS-N30068BR                             |
| NPT 3 1/2"      | 61.0-68.0 | 45      | 41.5     | 108 | BST-Exd-SS-N31268BR                             |
| NPT 3"          | 67.0-73.0 | 61      | 41.5     | 96  | BST-Exd-SS-N30073BR                             |
| NPT 3 1/2"      | 67.0-73.0 | 61      | 41.5     | 108 | BST-Exd-SS-N31273BR                             |
| NPT 3 1/2"      | 66.6-80.0 | 60      | 42.8     | 108 | BST-Exd-SS-N31280BR                             |
| NPT 4"          | 66.6-80.0 | 60      | 42.8     | 123 | BST-Exd-SS-N40080BR                             |
| NPT 3 1/2"      | 76.0-89.0 | 76      | 42.8     | 123 | BST-Exd-SS-N31289BR                             |
| NPT 4"          | 76.0-89.0 | 76      | 42.8     | 123 | BST-Exd-SS-N40089BR                             |



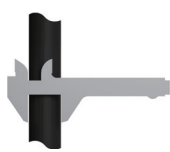
隔爆电缆固定头（单密封）安装作业指导书  
Single Sealing Exd Cable Gland Installation Instructions



在开始安装前，请仔细阅读所有说明。  
Please Read All Instructions Carefully Before Installation.



1



用游标卡尺确认电缆直径是否在标准线径范围内。

Use vernier caliper to confirm whether cable diameter is within the standard cable range.

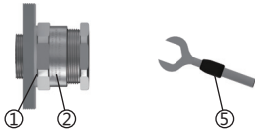
2



剥掉电缆外护层，压接好端子。

Strip off the outer sheath of cables, crimp the terminal.

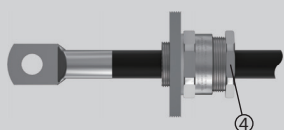
3



确保垫片①安装到位，将电缆固定头拧入螺纹孔(如果箱体未加工螺纹请使用六角螺母固定)，使用扭力扳手⑤拧紧主体②至标准安装扭力。

Guarantee that the gasket① is installed in place. Screw the cable gland into the thread hole. (If there is no thread in the holes, please use lock nuts to fix cable glands.) Tighten the body② by the torque spanner⑤ to the standard installation torque.

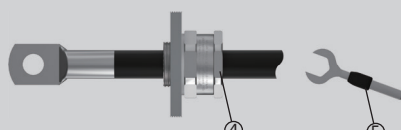
4



将电缆穿过电缆固定头，用手旋紧迫紧螺帽④。

Pass the cable and go through the gland, tighten the sealing nut④.

5



使用扭力扳手⑤拧紧迫紧螺帽④至标准安装扭力,使密封件夹紧电缆达到密封和紧固效果。

Tighten the sealing nut④ by the spanner⑤ to standard installation torque, make seal clamp the cable tightly to achieve good sealing and fastening effect.

隔爆电缆固定头（双密封）  
Double Sealing Exd Cable Gland



→ BST-Exd-DS系列 Series



设计规范 Design Specification: IEC62444, EN62444  
符合标准 Standards: IEC 60079-0, IEC 60079-1, IEC 60079-7, IEC 60079-15, IEC 60079-31; EN 60079-0, EN 60079-1, EN 60079-7, EN 60079-15, EN 60079-31  
GB/T 3836.1、GB/T 3836.2、GB/T 3836.3、GB/T 3836.31  
适用范围 Application Scope: 适用于气体1、2区；粉尘20、21、22区  
Suitable for Gas Zones 1 and 2; Dust Zones 20, 21, and 22  
适用电缆类型 Cable Type: 非铠装和编织电缆 Non-Armoured & Braided Cable  
工作温度 Operating Temperature: -60℃-130℃  
认证测试温度 Certificate Testing Temperature: -65℃-150℃  
进线处防护等级 IP Rating: IP66/IP68(10m 8h)



| 认证数据 Authentication Certificate |                                                                                                                        |                                      |                                               |
|---------------------------------|------------------------------------------------------------------------------------------------------------------------|--------------------------------------|-----------------------------------------------|
| 认证类别 Certificate Type           | 防护类别代码 Ex-Mark                                                                                                         | 认证类别 Certificate Type                | 防护类别代码 Ex-Mark                                |
| IECEx证书 Certificate             | Ex db IIC Gb<br>Ex eb IIC Gb<br>Ex nR IIC Gc<br>Ex ta IIIC Da IP66/IP68<br>Ex db I Mb<br>Ex eb I Mb                    | CCC证书 Certificate                    | Ex db IIC Gb<br>Ex eb IIC Gb<br>Ex tb IIIC Db |
| ATEX证书 Certificate              | I M2 Ex db I Mb/Ex eb I Mb<br>II 2 G Ex db IIC Gb/Ex eb IIC Gb<br>II 1 D Ex ta IIC Da IP66/IP68<br>II 3 G Ex nR IIC Gc | 防爆合格证<br>Explosion-proof Certificate | Ex db IIC Gb/Ex tb IIIC Db<br>IP66/68(10m.8h) |

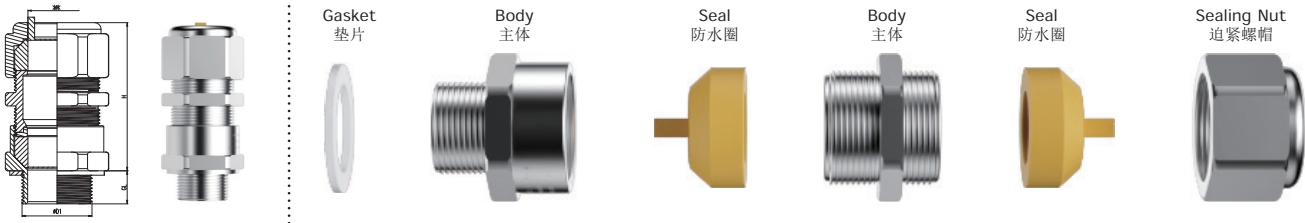
| 技术数据 Technical Data |                                                                                 |
|---------------------|---------------------------------------------------------------------------------|
| 螺纹规格 Thread Size    | M16-M100、NPT 1/2"-NPT 4"                                                        |
| 材质 Material         | 黄铜镀镍、不锈钢 Nickel-plated Brass, Stainless Steel (304, 316, 316L)                  |
| 拉力测试 Tensile Test   | 承重测试直径20倍（100%拉力） Load-bearing Test: 20 Times The Diameter (100% Tensile Force) |
| 静压 Hydrostatic Test | 静压测试 Hydrostatic Test 30bar                                                     |

| 产品FAB The FAB of the Product |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 特点 Feature                   | 防呆结构设计 Foolproof structural design.<br>同一种规格型号，统一的扳手位尺寸 The same specification and model, unified wrench position size.<br>可承重电缆直径20倍100%拉力 Can bear 20 times the cable diameter 100% tension.<br>静压可承受30bar压力 Static pressure can withstand 30bar pressure.                                                                                                                                                                                                                                                                                                       |
| 优点 Advantage                 | 产品规格齐全 The product comes in a wide range of specifications (M16-M100、NPT1/2"~NPT4")<br>证书齐全: IECEx、ATEX、CCC、防爆合格证<br>Complete certificates: IECEx, ATEX, CCC, explosion-proof certificate.<br>可正常应用在-60℃的极低温区域 It can be normally used in extremely low - temperature areas of - 60℃.<br>可正常应用在+130℃的极高温区域 It can be normally used in extremely high - temperature areas of + 130℃.<br>实验测试温度: -65℃~+150℃ The experimental test temperature ranges from - 65℃ to +150℃.<br>可在水下10米,正常使用8小时 It can be used normally underwater at a depth of 10 meters for 8 hours. |
| 价值 Benefit                   | 可带挠线管结构的隔爆电缆固定头自带活接头功能，降低采购成本，客户可不再采购防爆活接头，同时现场施工可提高20%效率<br>The explosion-proof cable gland with flexible pipe structure has a self-contained flexible joint function, which reduces the procurement cost. Customers no longer need to purchase explosion-proof flexible cable gland.<br>At the same time, the on-site construction efficiency can be increased by 20%.<br>产品适用于冷流型电缆，具有防冷流功能<br>The product is suitable for cold flow type cables and has anti-cold flow function.                                                                               |

隔爆电缆固定头（双密封）  
Double Sealing Exd Cable Gland



→ BST-Exd-DS系列 Series



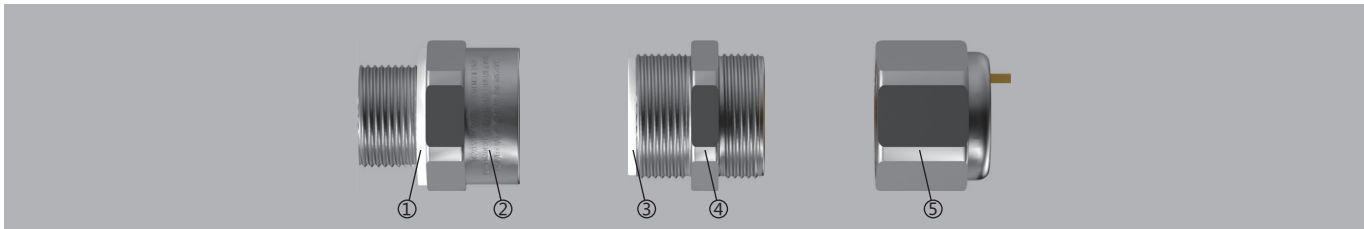
订货数据 Ordering Data

| 规格 Specs<br>ØD1 | mm        | H<br>mm | GL<br>mm | mm  | 订货号 Order no<br>(BR-黄铜镀镍、SS-304、SA-316、SB-316L) |
|-----------------|-----------|---------|----------|-----|-------------------------------------------------|
| M16 x 1.5       | 3.0-8.0   | 58      | 15       | 24  | BST-Exd-DS-M1608BR                              |
| M20 x 1.5       | 3.0-8.0   | 57      | 15       | 24  | BST-Exd-DS-M2008BR                              |
| M20 x 1.5       | 7.5-12.0  | 57      | 15       | 24  | BST-Exd-DS-M2012BR                              |
| M20 x 1.5       | 8.7-14.0  | 55      | 15       | 27  | BST-Exd-DS-M2014BR                              |
| M25 x 1.5       | 9.0-15.0  | 69      | 15       | 36  | BST-Exd-DS-M2515BR                              |
| M25 x 1.5       | 13.0-20.0 | 69      | 15       | 36  | BST-Exd-DS-M2520BR                              |
| M32 x 1.5       | 19.0-26.5 | 67      | 15       | 43  | BST-Exd-DS-M3227BR                              |
| M40 x 1.5       | 25.0-32.5 | 71      | 15       | 50  | BST-Exd-DS-M4033BR                              |
| M50 x 1.5       | 31.0-38.0 | 79      | 15       | 55  | BST-Exd-DS-M5038BR                              |
| M50 x 1.5       | 36.0-44.0 | 85      | 15       | 60  | BST-Exd-DS-M5044BR                              |
| M63 x 1.5       | 41.5-50.0 | 88      | 15       | 75  | BST-Exd-DS-M6350BR                              |
| M63 x 1.5       | 48.0-55.0 | 88      | 15       | 75  | BST-Exd-DS-M6355BR                              |
| M75 x 1.5       | 54.0-62.0 | 87      | 15       | 90  | BST-Exd-DS-M7562BR                              |
| M75 x 1.5       | 61.0-68.0 | 87      | 15       | 90  | BST-Exd-DS-M7568BR                              |
| M80 x 2.0       | 67.0-73.0 | 120     | 24       | 96  | BST-Exd-DS-M8073BR                              |
| M90 x 2.0       | 66.6-80.0 | 115     | 24       | 108 | BST-Exd-DS-M9080BR                              |
| M100 x 2.0      | 76.0-89.0 | 144     | 24       | 123 | BST-Exd-DS-M10089BR                             |
|                 |           |         |          |     |                                                 |
| NPT 1/2"        | 3.0-8.0   | 57      | 19.9     | 24  | BST-Exd-DS-N1208BR                              |
| NPT 3/4"        | 3.0-8.0   | 57      | 19.9     | 24  | BST-Exd-DS-N3408BR                              |
| NPT 1/2"        | 7.5-12.0  | 57      | 19.9     | 24  | BST-Exd-DS-N1212BR                              |
| NPT 3/4"        | 7.5-12.0  | 57      | 19.9     | 24  | BST-Exd-DS-N3412BR                              |
| NPT 1/2"        | 8.7-14.0  | 55      | 19.9     | 27  | BST-Exd-DS-N1214BR                              |
| NPT 3/4"        | 8.7-14.0  | 55      | 19.9     | 27  | BST-Exd-DS-N3414BR                              |
| NPT 3/4"        | 9.0-15.0  | 69      | 20.2     | 36  | BST-Exd-DS-N3415BR                              |
| NPT 3/4"        | 13.0-20.0 | 69      | 20.2     | 36  | BST-Exd-DS-N3420BR                              |
| NPT 1"          | 9.0-15.0  | 69      | 20.2     | 36  | BST-Exd-DS-N10020BR                             |
| NPT 1"          | 13.0-20.0 | 69      | 20.2     | 36  | BST-Exd-DS-N10015BR                             |
| NPT 1"          | 19.0-26.5 | 67      | 25       | 43  | BST-Exd-DS-N10027BR                             |
| NPT 1 1/4"      | 19.0-26.5 | 67      | 25       | 43  | BST-Exd-DS-N11427BR                             |
| NPT 1 1/4"      | 25.0-32.5 | 71      | 25.6     | 50  | BST-Exd-DS-N11433BR                             |
| NPT 1 1/2"      | 25.0-32.5 | 71      | 25.6     | 50  | BST-Exd-DS-N11233BR                             |
| NPT 2"          | 31.0-38.0 | 79      | 26.1     | 55  | BST-Exd-DS-N20038BR                             |
| NPT 2"          | 35.6-44.0 | 85      | 26.9     | 60  | BST-Exd-DS-N20044BR                             |
| NPT 2 1/2"      | 35.6-44.0 | 85      | 26.9     | 60  | BST-Exd-DS-N21244BR                             |
| NPT 2 1/2"      | 41.5-50.0 | 88      | 26.9     | 75  | BST-Exd-DS-N21250BR                             |
| NPT 2 1/2"      | 48.0-55.0 | 88      | 39.9     | 75  | BST-Exd-DS-N21255BR                             |
| NPT 3"          | 48.0-55.0 | 88      | 39.9     | 75  | BST-Exd-DS-N30055BR                             |
| NPT 3"          | 54.0-62.0 | 87      | 39.9     | 90  | BST-Exd-DS-N30062BR                             |
| NPT 3"          | 61.0-68.0 | 87      | 41.5     | 90  | BST-Exd-DS-N30068BR                             |
| NPT 3 1/2"      | 61.0-68.0 | 87      | 41.5     | 90  | BST-Exd-DS-N31268BR                             |
| NPT 3"          | 67.0-73.0 | 120     | 41.5     | 96  | BST-Exd-DS-N30073BR                             |
| NPT 3 1/2"      | 67.0-73.0 | 120     | 41.5     | 96  | BST-Exd-DS-N31273BR                             |
| NPT 3 1/2"      | 66.6-80.0 | 115     | 42.8     | 108 | BST-Exd-DS-N31280BR                             |
| NPT 4"          | 66.6-80.0 | 115     | 42.8     | 108 | BST-Exd-DS-N40080BR                             |
| NPT 3 1/2"      | 76.0-89.0 | 144     | 42.8     | 123 | BST-Exd-DS-N31289BR                             |
| NPT 4"          | 76.0-89.0 | 144     | 42.8     | 123 | BST-Exd-DS-N40089BR                             |

隔爆电缆固定头（双密封）安装作业指导书  
Double Sealing Exd Cable Gland Installation Instructions



在开始安装前，请仔细阅读所有说明。  
Please Read All Instructions Carefully Before Installation.



1

用游标卡尺确认电缆直径是否在标准线径范围内。

Use vernier caliper to confirm whether cable diameter is within the standard cable range.

2

剥掉电缆外护层，压接好端子。

Strip off the outer sheath of cables, crimp the terminal.

3

确保垫片①安装到位，将电缆固定头拧入螺纹孔(如果箱体未加工螺纹请使用六角螺母固定)，使用扭力扳手⑥拧紧主体②至标准安装扭力。

Guarantee that the gasket① is installed in place. Screw the cable gland into the thread hole. (If there is no thread in the holes, please use lock nuts to fix cable glands.) Tighten the body② by the torque spanner⑥ to the standard installation torque.

4

将电缆穿过电缆固定头，用手旋紧主体④和迫紧螺帽⑤。

Pass the cable and go through the gland, tighten the body④ and the sealing nut⑤.

5

使用扭力扳手⑥拧紧主体④至标准安装扭力，使密封件夹紧电缆达到密封和紧固效果。

Tighten the body④ by the spanner⑥ to the standard installation torque, make the seal clamp cable tightly to achieve good sealing and fastening effect.

6

使用扭力扳手⑥将迫紧螺帽⑤拧紧对电缆达到额外密封和紧固。

Tighten the sealing nut⑤ by the torque spanner⑥ to achieve additional sealing and fastening effect.



隔爆电缆固定头（单密封带填料）  
Single Sealing with Barrier Exd Cable Gland



→ BST-Exd-SSF系列 Series

|                                         |                                                                                                                                                                                                                                                                       |
|-----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 设计规范 Design Specification:              | IEC62444,EN62444                                                                                                                                                                                                                                                      |
| 符合标准 Standards:                         | IEC 60079-0,IEC 60079-1,IEC 60079-7,IEC 60079-15,IEC 60079-31 ;<br>EN 60079-0,EN 60079-1,EN 60079-7,EN 60079-15,EN 60079-31<br>GB/T 3836.1、GB/T 3836.2、GB/T 3836.3、GB/T 3836.31<br>适用于气体1、2区；粉尘20、21、22区<br>Suitable for Gas Zones 1 and 2; Dust Zones 20, 21, and 22 |
| 适用范围 Application Scope:                 | 非铠装电缆 Non-Armoured Cable                                                                                                                                                                                                                                              |
| 适用电缆类型 Cable Type:                      | -60℃-130℃                                                                                                                                                                                                                                                             |
| 工作温度 Operating Temperature:             | -65℃-150℃                                                                                                                                                                                                                                                             |
| 认证测试温度 Certificate Testing Temperature: | IP66/IP68(10m 8h)                                                                                                                                                                                                                                                     |
| 进线处防护等级 IP Rating:                      |                                                                                                                                                                                                                                                                       |



| 认证证书 Authentication Certificate |                                                                                                                           |                                      |                                                |
|---------------------------------|---------------------------------------------------------------------------------------------------------------------------|--------------------------------------|------------------------------------------------|
| 认证类别 Certificate Type           | 防护类别代码 Ex-Mark                                                                                                            | 认证类别 Certificate Type                | 防护类别代码 Ex-Mark                                 |
| IECEx证书 Certificate             | Ex db IIC Gb<br>Ex eb IIC Gb<br>Ex nR IIC Gc<br>Ex ta IIIC Da IP66/IP68<br>Ex db I Mb<br>Ex eb I Mb                       | CCC证书 Certificate                    | Ex db IIC Gb<br>Ex eb IIC Gb<br>Ex tb IIIC Db  |
| ATEX证书 Certificate              | I M2 Ex db I Mb/Ex eb I Mb<br>II 2 G Ex db II C Gb/Ex eb II C Gb<br>II 1 D Ex ta IIIC Da IP66/IP68<br>II 3 G Ex nR IIC Gc | 防爆合格证<br>Explosion-proof Certificate | Ex db II C Gb/Ex tb IIIC Db<br>IP66/68(10m.8h) |

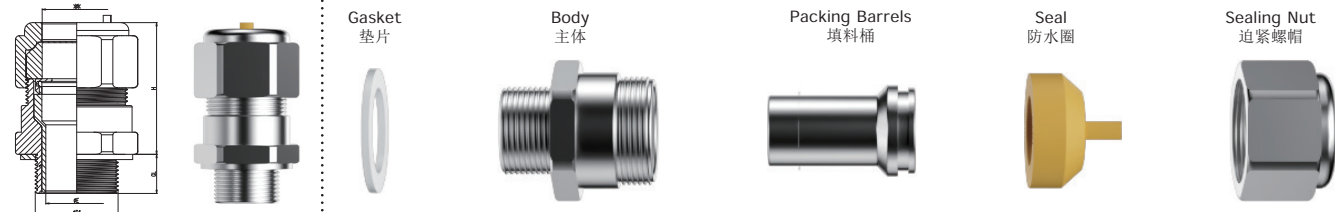
| 技术数据 Technical Data |                                                                                 |
|---------------------|---------------------------------------------------------------------------------|
| 螺纹规格 Thread Size    | M16-M100、NPT 1/2"-NPT 4"                                                        |
| 材质 Material         | 黄铜镀镍、不锈钢 Nickel-plated Brass, Stainless Steel (304, 316, 316L)                  |
| 拉力测试 Tensile Test   | 承重测试直径20倍（100%拉力） Load-bearing Test: 20 Times The Diameter (100% Tensile Force) |
| 静压 Hydrostatic Test | 静压测试 Hydrostatic Test 30bar                                                     |

| 产品FAB The FAB of the Product |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 特点 Feature                   | 防呆结构设计 Foolproof structural design.<br>同一种规格型号，统一的扳手位尺寸 The same specification and model, unified wrench position size.<br>可承重电缆直径20倍100%拉力 Can bear 20 times the cable diameter 100% tension.<br>静压可承受30bar压力 Static pressure can withstand 30bar pressure.                                                                                                                                                                                                                                                                                                     |
| 优点 Advantage                 | 产品规格齐全 The product comes in a wide range of specifications (M16-M100、NPT1/2"~NPT4")<br>证书齐全：IECEx、ATEX、CCC、防爆合格证<br>Complete certificates: IECEx, ATEX, CCC, explosion-proof certificate.<br>可正常应用在-60℃的极低温区域 It can be normally used in extremely low - temperature areas of - 60℃.<br>可正常应用在+130℃的极高温区域 It can be normally used in extremely high - temperature areas of + 130℃.<br>实验测试温度：-65℃~+150℃ The experimental test temperature ranges from - 65℃ to +150℃.<br>可在水下10米,正常使用8小时 It can be used normally underwater at a depth of 10 meters for 8 hours. |
| 价值 Benefit                   | 可带挠线管结构的隔爆电缆固定头自带活接头功能，降低采购成本，客户可不再采购防爆活接头，同时现场施工可提高20%效率<br>The explosion-proof cable gland with flexible pipe structure has a self-contained flexible joint function, which reduces the procurement cost. Customers no longer need to purchase explosion-proof flexible cable gland.<br>At the same time, the on-site construction efficiency can be increased by 20%.<br>产品适用于冷流型电缆，具有防冷流功能<br>The product is suitable for cold flow type cables and has anti-cold flow function.                                                                             |

隔爆电缆固定头（单密封带填料）  
Single Sealing with Barrier Exd Cable Gland



→ BST-Exd-SSF系列 Series

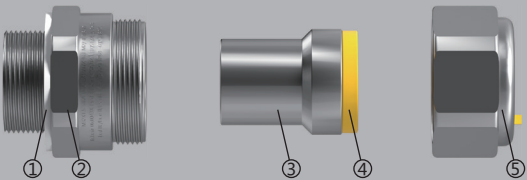


| 规格 Specs<br>ØD1 | mm        | Cable<br>Core Qty | Max.Dia.of<br>Over Cores | E<br>mm | H<br>mm | GL<br>mm | mm  | 订货号 Order no<br>(BR-黄铜镀镍、SS-304、SA-316、SB-316L) |
|-----------------|-----------|-------------------|--------------------------|---------|---------|----------|-----|-------------------------------------------------|
| M16 x 1.5       | 3.0-8.0   | 6                 | 6.8                      | 8.5     | 45      | 15       | 24  | BST-Exd-SSF-M1608BR                             |
| M20 x 1.5       | 3.0-8.0   | 6                 | 10                       | 12.5    | 42      | 15       | 24  | BST-Exd-SSF-M2008BR                             |
| M20 x 1.5       | 7.5-12.0  | 6                 | 10                       | 12.5    | 42      | 15       | 24  | BST-Exd-SSF-M2012BR                             |
| M20 x 1.5       | 8.7-14.0  | 10                | 9.8                      | 12.3    | 41      | 15       | 27  | BST-Exd-SSF-M2014BR                             |
| M25 x 1.5       | 9.0-15.0  | 21                | 13.4                     | 16.8    | 51      | 15       | 36  | BST-Exd-SSF-M2515BR                             |
| M25 x 1.5       | 13.0-20.0 | 21                | 13.4                     | 16.8    | 51      | 15       | 36  | BST-Exd-SSF-M2520BR                             |
| M32 x 1.5       | 19.0-26.5 | 42                | 18.9                     | 23.7    | 51      | 15       | 43  | BST-Exd-SSF-M3227BR                             |
| M40 x 1.5       | 25.0-32.5 | 60                | 24.8                     | 31.0    | 53      | 15       | 50  | BST-Exd-SSF-M4033BR                             |
| M50 x 1.5       | 31.0-38.0 | 80                | 30.8                     | 38.5    | 61      | 15       | 55  | BST-Exd-SSF-M5038BR                             |
| M50 x 1.5       | 36.0-44.0 | 80                | 32.8                     | 41.1    | 63      | 15       | 60  | BST-Exd-SSF-M5044BR                             |
| M63 x 1.5       | 41.5-50.0 | 100               | 41.6                     | 52.0    | 66      | 15       | 75  | BST-Exd-SSF-M6350BR                             |
| M63 x 1.5       | 48.0-55.0 | 100               | 41.6                     | 52.0    | 66      | 15       | 75  | BST-Exd-SSF-M6355BR                             |
| M75 x 1.5       | 54.0-62.0 | 120               | 52.3                     | 65.4    | 63      | 15       | 90  | BST-Exd-SSF-M7562BR                             |
| M75 x 1.5       | 61.0-68.0 | 120               | 52.3                     | 65.4    | 63      | 15       | 90  | BST-Exd-SSF-M7568BR                             |
| M80 x 2.0       | 67.0-73.0 | 140               | 56.4                     | 70.5    | 82      | 24       | 96  | BST-Exd-SSF-M8073BR                             |
| M90 x 2.0       | 66.6-80.0 | 140               | 62.9                     | 78.7    | 80      | 24       | 108 | BST-Exd-SSF-M9080BR                             |
| M100 x 2.0      | 76.0-89.0 | 200               | 70.9                     | 88.7    | 98      | 24       | 123 | BST-Exd-SSF-M10089BR                            |
|                 |           |                   |                          |         |         |          |     |                                                 |
| NPT 1/2"        | 3.0-8.0   | 6                 | 10                       | 12.5    | 42      | 19.9     | 24  | BST-Exd-SSF-N1208BR                             |
| NPT 3/4"        | 3.0-8.0   | 6                 | 10                       | 12.5    | 42      | 19.9     | 27  | BST-Exd-SSF-N3408BR                             |
| NPT 1/2"        | 7.5-12.0  | 6                 | 10                       | 12.5    | 42      | 19.9     | 24  | BST-Exd-SSF-N1212BR                             |
| NPT 3/4"        | 7.5-12.0  | 6                 | 10                       | 12.5    | 42      | 19.9     | 27  | BST-Exd-SSF-N3412BR                             |
| NPT 1/2"        | 8.7-14.0  | 10                | 9.8                      | 12.3    | 41      | 19.9     | 27  | BST-Exd-SSF-N1214BR                             |
| NPT 3/4"        | 8.7-14.0  | 10                | 9.8                      | 12.3    | 41      | 19.9     | 27  | BST-Exd-SSF-N3414BR                             |
| NPT 3/4"        | 9.0-15.0  | 21                | 13.4                     | 16.8    | 51      | 20.2     | 36  | BST-Exd-SSF-N3415BR                             |
| NPT 3/4"        | 13.0-20.0 | 21                | 13.4                     | 16.8    | 51      | 20.2     | 36  | BST-Exd-SSF-N3420BR                             |
| NPT 1"          | 9.0-15.0  | 21                | 13.4                     | 16.8    | 51      | 20.2     | 36  | BST-Exd-SSF-N10015BR                            |
| NPT 1"          | 13.0-20.0 | 21                | 13.4                     | 16.8    | 51      | 20.2     | 36  | BST-Exd-SSF-N10020BR                            |
| NPT 1"          | 19.0-26.5 | 42                | 19.0                     | 23.7    | 51      | 25.0     | 43  | BST-Exd-SSF-N10027BR                            |
| NPT 1 1/4"      | 19.0-26.5 | 42                | 19.0                     | 23.7    | 51      | 25.0     | 43  | BST-Exd-SSF-N11427BR                            |
| NPT 1 1/4"      | 25.0-32.5 | 60                | 24.8                     | 31.0    | 53      | 25.6     | 50  | BST-Exd-SSF-N11433BR                            |
| NPT 1 1/2"      | 25.0-32.5 | 60                | 24.8                     | 31.0    | 53      | 25.6     | 50  | BST-Exd-SSF-N11233BR                            |
| NPT 2"          | 31.0-38.0 | 80                | 30.8                     | 38.5    | 61      | 26.1     | 70  | BST-Exd-SSF-N20038BR                            |
| NPT 2"          | 35.6-44.0 | 80                | 32.9                     | 41.1    | 63      | 26.6     | 70  | BST-Exd-SSF-N20044BR                            |
| NPT 2 1/2"      | 35.6-44.0 | 80                | 32.9                     | 41.1    | 63      | 29.9     | 80  | BST-Exd-SSF-N21244BR                            |
| NPT 2 1/2"      | 41.5-50.0 | 100               | 41.6                     | 52      | 66      | 26.9     | 80  | BST-Exd-SSF-N21250BR                            |
| NPT 2 1/2"      | 48.0-55.0 | 100               | 41.6                     | 52      | 66      | 39.9     | 80  | BST-Exd-SSF-N21255BR                            |
| NPT 3"          | 48.0-55.0 | 100               | 41.6                     | 65.4    | 66      | 39.9     | 96  | BST-Exd-SSF-N30055BR                            |
| NPT 3"          | 54.0-62.0 | 120               | 52.3                     | 65.4    | 63      | 39.9     | 96  | BST-Exd-SSF-N30062BR                            |
| NPT 3"          | 61.0-68.0 | 120               | 52.3                     | 65.4    | 63      | 41.5     | 96  | BST-Exd-SSF-N30068BR                            |
| NPT 3 1/2"      | 61.0-68.0 | 120               | 52.3                     | 70.5    | 63      | 41.5     | 108 | BST-Exd-SSF-N31268BR                            |
| NPT 3"          | 67.0-73.0 | 140               | 56.4                     | 70.5    | 82      | 41.5     | 96  | BST-Exd-SSF-N30073BR                            |
| NPT 3 1/2"      | 67.0-73.0 | 140               | 56.4                     | 70.5    | 82      | 41.5     | 108 | BST-Exd-SSF-N31273BR                            |
| NPT 3 1/2"      | 66.6-80.0 | 140               | 63.0                     | 78.7    | 80      | 42.8     | 108 | BST-Exd-SSF-N31280BR                            |
| NPT 4"          | 66.6-80.0 | 140               | 63.0                     | 78.8    | 80      | 42.8     | 123 | BST-Exd-SSF-N40080BR                            |
| NPT 3 1/2"      | 76.0-89.0 | 200               | 71.0                     | 88.7    | 98      | 42.8     | 123 | BST-Exd-SSF-N31289BR                            |
| NPT 4"          | 76.0-89.0 | 200               | 71.0                     | 88.7    | 98      | 42.8     | 123 | BST-Exd-SSF-N40089BR                            |

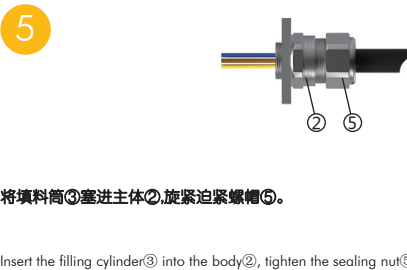
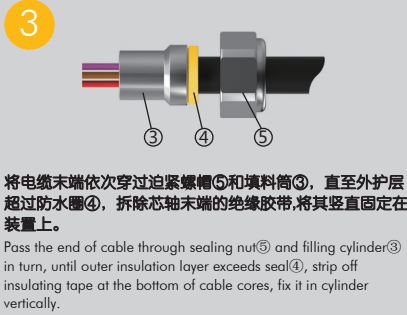
隔爆电缆固定头（单密封带填料）安装作业指导书  
Single Sealing with Barrier Exd Cable Gland Installation Instructions



在开始安装前，请仔细阅读所有说明。  
Please Read All Instructions Carefully Before Installation.



| 1 | Model | Length of Armored Layer | Model   | Length of Armored Layer | Model | Length of Armored Layer | Model  | Length of Armored Layer |
|---|-------|-------------------------|---------|-------------------------|-------|-------------------------|--------|-------------------------|
|   | M1608 | 19mm                    | M2520BR | 20mm                    | M5044 | 27mm                    | M7568  | 27mm                    |
|   | M2008 | 16mm                    | M3227BR | 21mm                    | M6350 | 28mm                    | M8073  | 34mm                    |
|   | M2012 | 16mm                    | M4033BR | 21mm                    | M6355 | 28mm                    | M9080  | 34mm                    |
|   | M2014 | 16mm                    | M5038BR | 24mm                    | M7562 | 27mm                    | M10089 | 60mm                    |



隔爆电缆固定头（单密封带绕线管）  
Single Sealing with Tube Exd Cable Gland



→ BST-Exd-SST系列 Series



设计规范 Design Specification: IEC62444, EN62444  
符合标准 Standards: IEC 60079-0, IEC 60079-1, IEC 60079-7, IEC 60079-15, IEC 60079-31; EN 60079-0, EN 60079-1, EN 60079-7, EN 60079-15, EN 60079-31  
GB/T 3836.1, GB/T 3836.2, GB/T 3836.3, GB/T 3836.31  
适用范围 Application Scope: 适用于气体1、2区; 粉尘20、21、22区  
Suitable for Gas Zones 1 and 2; Dust Zones 20, 21, and 22  
适用电缆类型 Cable Type: 非铠装和纺织电缆 Non-Armoured & Braided Cable  
工作温度 Operating Temperature: -60°C-130°C  
认证测试温度 Certificate Testing Temperature: -65°C-150°C  
进线处防护等级 IP Rating: IP66/IP68(10m 8h)



| 认证证书 Authentication Certificate |                                                                                                                            |                                      |                                                |
|---------------------------------|----------------------------------------------------------------------------------------------------------------------------|--------------------------------------|------------------------------------------------|
| 认证类别 Certificate Type           | 防护类别代码 Ex-Mark                                                                                                             | 认证类别 Certificate Type                | 防护类别代码 Ex-Mark                                 |
| IECEx证书 Certificate             | Ex db IIC Gb<br>Ex eb IIC Gb<br>Ex nR IIC Gc<br>Ex ta IIIC Da IP66/IP68<br>Ex db I Mb<br>Ex eb I Mb                        | CCC证书 Certificate                    | Ex db IIC Gb<br>Ex eb IIC Gb<br>Ex tb IIIC Db  |
| ATEX证书 Certificate              | I M2 Ex db I Mb/Ex eb I Mb<br>II 2 G Ex db II C Gb/Ex eb II C Gb<br>II 1 D Ex ta II C Da IP66/IP68<br>II 3 G Ex nR II C Gc | 防爆合格证<br>Explosion-proof Certificate | Ex db II C Gb/Ex tb II C Db<br>IP66/68(10m.8h) |

| 技术数据 Technical Data |                                                                                  |
|---------------------|----------------------------------------------------------------------------------|
| 螺纹规格 Thread Size    | M16-M100、NPT 1/2"-NPT 4"                                                         |
| 材质 Material         | 黄铜镀镍、不锈钢 Nickel-plated Brass, Stainless Steel (304, 316, 316L)                   |
| 拉力测试 Tensile Test   | 承重测试直径20倍 (100%拉力) Load-bearing Test: 20 Times The Diameter (100% Tensile Force) |
| 静压 Hydrostatic Test | 静压测试 Hydrostatic Test 30bar                                                      |

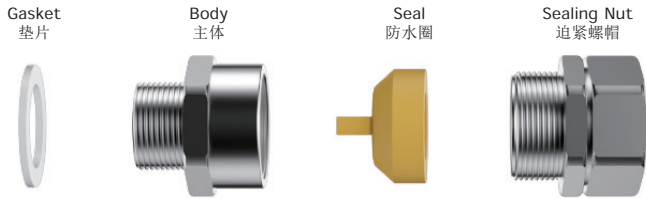
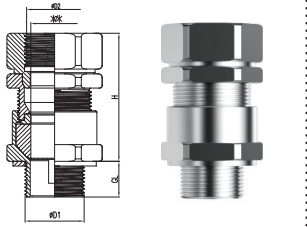
| 产品FAB The FAB of the Product |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 特点 Feature                   | 防呆结构设计 Foolproof structural design.<br>同一种规格型号，统一的扳手位尺寸 The same specification and model, unified wrench position size.<br>可承重电缆直径20倍100%拉力 Can bear 20 times the cable diameter 100% tension.<br>静压可承受30bar压力 Static pressure can withstand 30bar pressure.                                                                                                                                                                                                                                                                                                       |
| 优点 Advantage                 | 产品规格齐全 The product comes in a wide range of specifications (M16-M100、NPT1/2"~NPT4")<br>证书齐全: IECEx、ATEX、CCC、防爆合格证<br>Complete certificates: IECEx, ATEX, CCC, explosion-proof certificate.<br>可正常应用在-60℃的极低温区域 It can be normally used in extremely low - temperature areas of - 60℃.<br>可正常应用在+130℃的极高温区域 It can be normally used in extremely high - temperature areas of + 130℃.<br>实验测试温度: -65℃~+150℃ The experimental test temperature ranges from - 65℃ to +150℃.<br>可在水下10米,正常使用8小时 It can be used normally underwater at a depth of 10 meters for 8 hours. |
| 价值 Benefit                   | 可带绕线管结构的隔爆电缆固定头自带活接头功能, 降低采购成本, 客户可不再采购防爆活接头, 同时现场施工可提高20%效率<br>The explosion-proof cable gland with flexible pipe structure has a self-contained flexible joint function, which reduces the procurement cost. Customers no longer need to purchase explosion-proof flexible cable gland.<br>At the same time, the on-site construction efficiency can be increased by 20%.<br>产品适用于冷流型电缆, 具有防冷流功能<br>The product is suitable for cold flow type cables and has anti-cold flow function.                                                                           |



隔爆电缆固定头（单密封带挠线管）  
Single Sealing with Tube Exd Cable Gland



➔ BST-Exd-SST系列 Series



订货数据 Ordering Data

| 规格 Specs<br>ØD1 | mm        | D2         | H<br>mm | GL<br>mm | mm  | 订货号 Order no<br>(BR-黄铜镀镍、SS-304、SA-316、SB-316L) |
|-----------------|-----------|------------|---------|----------|-----|-------------------------------------------------|
| M16 x 1.5       | 3.0-8.0   | M16 x 1.5  | 48      | 15       | 24  | BST-Exd-SST-M1608BR                             |
| M20 x 1.5       | 3.0-8.0   | M20 x 1.5  | 47      | 15       | 24  | BST-Exd-SST-M2008BR                             |
| M20 x 1.5       | 7.5-12.0  | M20 x 1.5  | 47      | 15       | 24  | BST-Exd-SST-M2012BR                             |
| M20 x 1.5       | 8.7-14.0  | M20 x 1.5  | 47      | 15       | 27  | BST-Exd-SST-M2014BR                             |
| M25 x 1.5       | 9.0-15.0  | M25 x 1.5  | 54      | 15       | 36  | BST-Exd-SST-M2515BR                             |
| M25 x 1.5       | 13.0-20.0 | M25 x 1.5  | 54      | 15       | 36  | BST-Exd-SST-M2520BR                             |
| M32 x 1.5       | 19.0-26.5 | M32 x 1.5  | 53      | 15       | 43  | BST-Exd-SST-M3227BR                             |
| M40 x 1.5       | 25.0-32.5 | M40 x 1.5  | 58      | 15       | 50  | BST-Exd-SST-M4033BR                             |
| M50 x 1.5       | 31.0-38.0 | M50 x 1.5  | 58      | 15       | 55  | BST-Exd-SST-M5038BR                             |
| M50 x 1.5       | 36.0-44.0 | M50 x 1.5  | 64      | 15       | 60  | BST-Exd-SST-M5044BR                             |
| M63 x 1.5       | 41.5-50.0 | M63 x 1.5  | 65      | 15       | 75  | BST-Exd-SST-M6350BR                             |
| M63 x 1.5       | 48.0-55.0 | M63 x 1.5  | 65      | 15       | 75  | BST-Exd-SST-M6355BR                             |
| M75 x 1.5       | 54.0-62.0 | M75 x 1.5  | 65      | 15       | 90  | BST-Exd-SST-M7562BR                             |
| M75 x 1.5       | 61.0-68.0 | M75 x 1.5  | 65      | 15       | 90  | BST-Exd-SST-M7568BR                             |
| M80 x 2.0       | 67.0-73.0 | M80 x 2.0  | 88      | 24       | 96  | BST-Exd-SST-M8073BR                             |
| M90 x 2.0       | 66.6-80.0 | M90 x 2.0  | 89      | 24       | 108 | BST-Exd-SST-M9080BR                             |
| M100 x 2.0      | 76.0-89.0 | M100 x 2.0 | 106     | 24       | 123 | BST-Exd-SST-M10089BR                            |
|                 |           |            |         |          |     |                                                 |
| NPT 1/2"        | 3.0-8.0   | NPT 1/2"   | 47      | 19.9     | 24  | BST-Exd-SST-N1208BR                             |
| NPT 3/4"        | 3.0-8.0   | NPT 3/4"   | 47      | 19.9     | 27  | BST-Exd-SST-N3408BR                             |
| NPT 1/2"        | 7.5-12.0  | NPT 1/2"   | 47      | 19.9     | 24  | BST-Exd-SST-N1212BR                             |
| NPT 3/4"        | 7.5-12.0  | NPT 3/4"   | 47      | 19.9     | 27  | BST-Exd-SST-N3412BR                             |
| NPT 1/2"        | 8.7-14.0  | NPT 1/2"   | 47      | 19.9     | 27  | BST-Exd-SST-N1214BR                             |
| NPT 3/4"        | 8.7-14.0  | NPT 3/4"   | 47      | 19.9     | 27  | BST-Exd-SST-N3414BR                             |
| NPT 3/4"        | 9.0-15.0  | NPT 3/4"   | 54      | 20.2     | 36  | BST-Exd-SST-N3415BR                             |
| NPT 3/4"        | 13.0-20.0 | NPT 3/4"   | 54      | 20.2     | 36  | BST-Exd-SST-N3420BR                             |
| NPT 1"          | 9.0-15.0  | NPT 1"     | 54      | 20.2     | 36  | BST-Exd-SST-N10015BR                            |
| NPT 1"          | 13.0-20.0 | NPT 1"     | 54      | 20.2     | 36  | BST-Exd-SST-N10020BR                            |
| NPT 1"          | 19.0-26.5 | NPT 1"     | 53      | 25.0     | 43  | BST-Exd-SST-N10027BR                            |
| NPT 1 1/4"      | 19.0-26.5 | NPT 1 1/4" | 53      | 25.0     | 43  | BST-Exd-SST-N11427BR                            |
| NPT 1 1/4"      | 25.0-32.5 | NPT 1 1/4" | 58      | 25.6     | 50  | BST-Exd-SST-N11433BR                            |
| NPT 1 1/2"      | 25.0-32.5 | NPT 1 1/4" | 58      | 25.6     | 50  | BST-Exd-SST-N11233BR                            |
| NPT 2"          | 31.0-38.0 | NPT 2"     | 58      | 26.1     | 70  | BST-Exd-SST-N20038BR                            |
| NPT 2"          | 35.6-44.0 | NPT 2"     | 64      | 26.9     | 70  | BST-Exd-SST-N20044BR                            |
| NPT 2 1/2"      | 35.6-44.0 | NPT 2 1/2" | 64      | 26.9     | 80  | BST-Exd-SST-N21244BR                            |
| NPT 2 1/2"      | 41.5-50.0 | NPT 2 1/2" | 66      | 26.9     | 80  | BST-Exd-SST-N21250BR                            |
| NPT 2 1/2"      | 48.0-55.0 | NPT 2 1/2" | 66      | 39.9     | 80  | BST-Exd-SST-N21255BR                            |
| NPT 3"          | 48.0-55.0 | NPT 3"     | 66      | 39.9     | 96  | BST-Exd-SST-N30055BR                            |
| NPT 3"          | 54.0-62.0 | NPT 3"     | 63      | 39.9     | 96  | BST-Exd-SST-N30062BR                            |
| NPT 3"          | 61.0-68.0 | NPT 3"     | 63      | 41.5     | 96  | BST-Exd-SST-N30068BR                            |
| NPT 3 1/2"      | 61.0-68.0 | NPT 3 1/2" | 63      | 41.5     | 108 | BST-Exd-SST-N31268BR                            |
| NPT 3"          | 67.0-73.0 | NPT 3"     | 82      | 41.5     | 96  | BST-Exd-SST-N30073BR                            |
| NPT 3 1/2"      | 67.0-73.0 | NPT 3 1/2" | 82      | 41.5     | 108 | BST-Exd-SST-N31273BR                            |
| NPT 3 1/2"      | 66.6-80.0 | NPT 3 1/2" | 80      | 42.8     | 108 | BST-Exd-SST-N31280BR                            |
| NPT 4"          | 66.6-80.0 | NPT 4"     | 82      | 42.8     | 123 | BST-Exd-SST-N40080BR                            |
| NPT 3 1/2"      | 76.0-89.0 | NPT 3 1/2" | 98      | 42.8     | 123 | BST-Exd-SST-N31289BR                            |
| NPT 4"          | 76.0-89.0 | NPT 4"     | 98      | 42.8     | 123 | BST-Exd-SST-N40089BR                            |

隔爆电缆固定头（单密封带挠线管）安装作业指导书  
Single Sealing with Tube Exd Cable Gland Installation Instructions



在开始安装前，请仔细阅读所有说明。  
Please Read All Instructions Carefully Before Installation.

用游标卡尺确认电缆直径是否在标准线径范围内。

Use vernier caliper to confirm whether cable diameter is within the standard cable range.

剥掉电缆外层，压接好端子。

Strip off the outer sheath of cables, crimp the terminal.

确保垫片①安装到位，将电缆固定头拧入螺纹孔(如果箱体未加工螺纹请使用六角螺母固定)，使用扭力扳手⑥拧紧主体②至标准安装扭力。

Guarantee that the gasket① is installed in place. Screw the cable gland into the thread hole. (If there is no thread in the holes, please use lock nuts to fix cable glands.) Tighten the body② by the torque spanner⑥ to the standard installation torque.

将电缆穿过电缆固定头，用手旋紧迫紧螺帽④。

Pass the cable and go through the gland, tighten the sealing nut④.

使用扭力扳手⑥拧紧迫紧螺帽④至标准安装扭力，使密封件夹紧电缆达到密封和紧固效果。

Tighten the sealing nut④ by the spanner⑥ to the standard installation torque, make seal clamp the cable tightly to achieve good sealing and fastening effect.

固定迫紧螺帽④的活动部位，将挠线管⑤拧紧至迫紧螺帽④上。

Fix the movable part of the sealing nut④, tighten the flexible tube set⑤ to the sealing nut④.

隔爆电缆固定头（单密封带填料带挠线管）  
Single Sealing with Barrier and Tube Exd Cable Gland



→ BST-Exd-SSFT系列 Series

|                                         |                                                                                                                                                                                                                                                                      |
|-----------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 设计规范 Design Specification:              | IEC62444,EN62444                                                                                                                                                                                                                                                     |
| 符合标准 Standards:                         | IEC 60079-0,IEC 60079-1,IEC 60079-7,IEC 60079-15,IEC 60079-31;<br>EN 60079-0,EN 60079-1,EN 60079-7,EN 60079-15,EN 60079-31<br>GB/T 3836.1、GB/T 3836.2、GB/T 3836.3、GB/T 3836.31<br>适用于气体1、2区；粉尘20、21、22区<br>Suitable for Gas Zones 1 and 2; Dust Zones 20, 21, and 22 |
| 适用范围 Application Scope:                 | 非铠装电缆 Non-Armoured Cable                                                                                                                                                                                                                                             |
| 适用电缆类型 Cable Type:                      | -60℃-130℃                                                                                                                                                                                                                                                            |
| 工作温度 Operating Temperature:             | -65℃-150℃                                                                                                                                                                                                                                                            |
| 认证测试温度 Certificate Testing Temperature: | IP66/IP68(10m 8h)                                                                                                                                                                                                                                                    |
| 进线处防护等级 IP Rating:                      |                                                                                                                                                                                                                                                                      |



| 认证数据 Authentication Certificate |                                                                                                                         |                                      |                                               |
|---------------------------------|-------------------------------------------------------------------------------------------------------------------------|--------------------------------------|-----------------------------------------------|
| 认证类别 Certificate Type           | 防护类别代码 Ex-Mark                                                                                                          | 认证类别 Certificate Type                | 防护类别代码 Ex-Mark                                |
| IECEx证书 Certificate             | Ex db IIC Gb<br>Ex eb IIC Gb<br>Ex nR IIC Gc<br>Ex ta IIIC Da IP66/IP68<br>Ex db I Mb<br>Ex eb I Mb                     | CCC证书 Certificate                    | Ex db IIC Gb<br>Ex eb IIC Gb<br>Ex tb IIIC Db |
| ATEX证书 Certificate              | I M2 Ex db I Mb/Ex eb I Mb<br>II 2 G Ex db IIC Gb/Ex eb IIC Gb<br>II 1 D Ex ta IIIC Da IP66/IP68<br>II 3 G Ex nR IIC Gc | 防爆合格证<br>Explosion-proof Certificate | Ex db IIC Gb/Ex tb IIIC Db<br>IP66/68(10m.8h) |

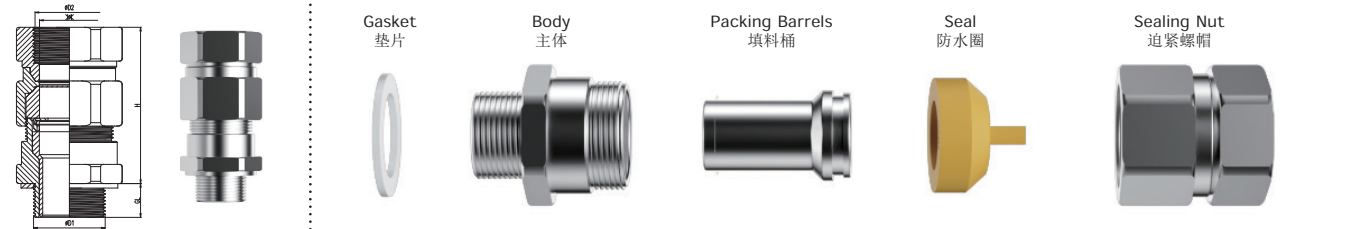
| 技术数据 Technical Data |                                                                                 |
|---------------------|---------------------------------------------------------------------------------|
| 螺纹规格 Thread Size    | M16-M100、NPT 1/2"-NPT 4"                                                        |
| 材质 Material         | 黄铜镀镍、不锈钢 Nickel-plated Brass, Stainless Steel (304, 316, 316L)                  |
| 拉力测试 Tensile Test   | 承重测试直径20倍（100%拉力） Load-bearing Test: 20 Times The Diameter (100% Tensile Force) |
| 静压 Hydrostatic Test | 静压测试 Hydrostatic Test 30bar                                                     |

| 产品FAB The FAB of the Product |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 特点 Feature                   | 防呆结构设计 Foolproof structural design.<br>同一种规格型号，统一的扳手位尺寸 The same specification and model, unified wrench position size.<br>可承重电缆直径20倍100%拉力 Can bear 20 times the cable diameter 100% tension.<br>静压可承受30bar压力 Static pressure can withstand 30bar pressure.                                                                                                                                                                                                                                                                                                     |
| 优点 Advantage                 | 产品规格齐全 The product comes in a wide range of specifications (M16-M100、NPT1/2"~NPT4")<br>证书齐全：IECEx、ATEX、CCC、防爆合格证<br>Complete certificates: IECEx, ATEX, CCC, explosion-proof certificate.<br>可正常应用在-60℃的极低温区域 It can be normally used in extremely low - temperature areas of - 60℃.<br>可正常应用在+130℃的极高温区域 It can be normally used in extremely high - temperature areas of + 130℃.<br>实验测试温度：-65℃~+150℃ The experimental test temperature ranges from - 65℃ to +150℃.<br>可在水下10米,正常使用8小时 It can be used normally underwater at a depth of 10 meters for 8 hours. |
| 价值 Benefit                   | 可带挠线管结构的隔爆电缆固定头自带活接头功能，降低采购成本，客户可不再采购防爆活接头，同时现场施工可提高20%效率<br>The explosion-proof cable gland with flexible pipe structure has a self-contained flexible joint function, which reduces the procurement cost. Customers no longer need to purchase explosion-proof flexible cable gland.<br>At the same time, the on-site construction efficiency can be increased by 20%.<br>产品适用于冷流型电缆，具有防冷流功能<br>The product is suitable for cold flow type cables and has anti-cold flow function.                                                                             |

隔爆电缆固定头（单密封带填料带挠线管）  
Single Sealing with Barrier and Tube Exd Cable Gland



→ BST-Exd-SSFT系列 Series



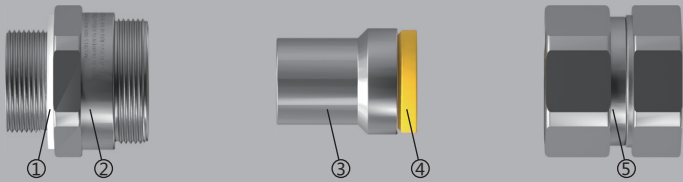
| 规格 Specs<br>ØD1 | mm        | D2         | Cable<br>Core Qty | Max.Dia.of<br>Over Cores | E<br>mm | H<br>mm | GL<br>mm | mm  | 订货号 Order no<br>(BR-黄铜镀镍、SS-304、SA-316、SB-316L) |
|-----------------|-----------|------------|-------------------|--------------------------|---------|---------|----------|-----|-------------------------------------------------|
| M16 x 1.5       | 3.0-8.0   | M16 x 1.5  | 6                 | 6.8                      | 8.5     | 63      | 15       | 24  | BST-Exd-SSFT-M1608BR                            |
| M20 x 1.5       | 3.0-8.0   | M20 x 1.5  | 6                 | 10                       | 12.5    | 60      | 15       | 24  | BST-Exd-SSFT-M2008BR                            |
| M20 x 1.5       | 7.5-12.0  | M20 x 1.5  | 6                 | 10                       | 12.5    | 60      | 15       | 24  | BST-Exd-SSFT-M2012BR                            |
| M20 x 1.5       | 8.7-14.0  | M20 x 1.5  | 10                | 9.8                      | 12.3    | 60      | 15       | 27  | BST-Exd-SSFT-M2014BR                            |
| M25 x 1.5       | 9.0-15.0  | M25 x 1.5  | 21                | 13.4                     | 16.8    | 68      | 15       | 36  | BST-Exd-SSFT-M2515BR                            |
| M25 x 1.5       | 13.0-20.0 | M25 x 1.5  | 21                | 13.4                     | 16.8    | 68      | 15       | 36  | BST-Exd-SSFT-M2520BR                            |
| M32 x 1.5       | 19.0-26.5 | M32 x 1.5  | 42                | 18.9                     | 23.7    | 68      | 15       | 43  | BST-Exd-SSFT-M3227BR                            |
| M40 x 1.5       | 25.0-32.5 | M40 x 1.5  | 60                | 24.8                     | 31.0    | 72      | 15       | 50  | BST-Exd-SSFT-M4033BR                            |
| M50 x 1.5       | 31.0-38.0 | M50 x 1.5  | 80                | 30.8                     | 38.5    | 79      | 15       | 55  | BST-Exd-SSFT-M5038BR                            |
| M50 x 1.5       | 36.0-44.0 | M50 x 1.5  | 80                | 32.8                     | 41.1    | 82      | 15       | 60  | BST-Exd-SSFT-M5044BR                            |
| M63 x 1.5       | 41.5-50.0 | M63 x 1.5  | 100               | 41.6                     | 52.0    | 84      | 15       | 75  | BST-Exd-SSFT-M6350BR                            |
| M63 x 1.5       | 48.0-55.0 | M63 x 1.5  | 100               | 41.6                     | 52.0    | 84      | 15       | 75  | BST-Exd-SSFT-M6355BR                            |
| M75 x 1.5       | 54.0-62.0 | M75 x 1.5  | 120               | 52.3                     | 65.4    | 83      | 15       | 90  | BST-Exd-SSFT-M7562BR                            |
| M75 x 1.5       | 61.0-68.0 | M75 x 1.5  | 120               | 52.3                     | 65.4    | 83      | 15       | 90  | BST-Exd-SSFT-M7568BR                            |
| M80 x 2.0       | 67.0-73.0 | M80 x 2.0  | 140               | 56.4                     | 70.5    | 109     | 24       | 96  | BST-Exd-SSFT-M8073BR                            |
| M90 x 2.0       | 66.6-80.0 | M90 x 2.0  | 140               | 62.9                     | 78.7    | 110     | 24       | 108 | BST-Exd-SSFT-M9080BR                            |
| M100 x 2.0      | 76.0-89.0 | M100 x 2.0 | 200               | 70.9                     | 88.7    | 128     | 24       | 123 | BST-Exd-SSFT-M10089BR                           |
| NPT 1/2"        | 3.0-8.0   | NPT 1/2"   | 6                 | 10                       | 12.5    | 60      | 19.9     | 24  | BST-Exd-SSFT-N1208BR                            |
| NPT 3/4"        | 3.0-8.0   | NPT 3/4"   | 6                 | 10                       | 12.5    | 60      | 19.9     | 27  | BST-Exd-SSFT-N3408BR                            |
| NPT 1/2"        | 7.5-12.0  | NPT 1/2"   | 6                 | 10                       | 12.5    | 60      | 19.9     | 24  | BST-Exd-SSFT-N1212BR                            |
| NPT 3/4"        | 7.5-12.0  | NPT 3/4"   | 6                 | 10                       | 12.5    | 60      | 19.9     | 27  | BST-Exd-SSFT-N3412BR                            |
| NPT 1/2"        | 8.7-14.0  | NPT 1/2"   | 10                | 9.8                      | 12.3    | 60      | 19.9     | 27  | BST-Exd-SSFT-N1214BR                            |
| NPT 3/4"        | 8.7-14.0  | NPT 3/4"   | 10                | 9.8                      | 12.3    | 60      | 19.9     | 27  | BST-Exd-SSFT-N3414BR                            |
| NPT 3/4"        | 9.0-15.0  | NPT 3/4"   | 21                | 13.4                     | 16.8    | 68      | 20.2     | 36  | BST-Exd-SSFT-N3415BR                            |
| NPT 3/4"        | 13.0-20.0 | NPT 3/4"   | 21                | 13.4                     | 16.8    | 68      | 20.2     | 36  | BST-Exd-SSFT-N3420BR                            |
| NPT 1"          | 9.0-15.0  | NPT 1"     | 21                | 13.4                     | 16.8    | 68      | 20.2     | 36  | BST-Exd-SSFT-N10015BR                           |
| NPT 1"          | 13.0-20.0 | NPT 1"     | 21                | 13.4                     | 16.8    | 68      | 20.2     | 36  | BST-Exd-SSFT-N10020BR                           |
| NPT 1"          | 19.0-26.5 | NPT 1"     | 42                | 19.0                     | 23.7    | 68      | 25.0     | 43  | BST-Exd-SSFT-N10027BR                           |
| NPT 1 1/4"      | 19.0-26.5 | NPT 1 1/4" | 42                | 19.0                     | 23.7    | 68      | 25.0     | 43  | BST-Exd-SSFT-N11427BR                           |
| NPT 1 1/4"      | 25.0-32.5 | NPT 1 1/4" | 60                | 24.8                     | 31.0    | 72      | 25.6     | 50  | BST-Exd-SSFT-N11433BR                           |
| NPT 1 1/2"      | 25.0-32.5 | NPT 1 1/4" | 60                | 24.8                     | 31.0    | 72      | 25.6     | 50  | BST-Exd-SSFT-N11233BR                           |
| NPT 2"          | 31.0-38.0 | NPT 2"     | 80                | 30.8                     | 38.5    | 79      | 26.1     | 70  | BST-Exd-SSFT-N20038BR                           |
| NPT 2"          | 35.6-44.0 | NPT 2"     | 80                | 32.9                     | 41.1    | 82      | 26.9     | 70  | BST-Exd-SSFT-N20044BR                           |
| NPT 2 1/2"      | 35.6-44.0 | NPT 2 1/2" | 80                | 32.9                     | 41.1    | 82      | 26.9     | 80  | BST-Exd-SSFT-N21244BR                           |
| NPT 2 1/2"      | 41.5-50.0 | NPT 2 1/2" | 100               | 41.6                     | 52      | 84      | 26.9     | 80  | BST-Exd-SSFT-N21250BR                           |
| NPT 2 1/2"      | 48.0-55.0 | NPT 2 1/2" | 100               | 41.6                     | 52      | 84      | 39.9     | 80  | BST-Exd-SSFT-N21255BR                           |
| NPT 3"          | 48.0-55.0 | NPT 3"     | 100               | 41.6                     | 65.4    | 84      | 39.9     | 96  | BST-Exd-SSFT-N30055BR                           |
| NPT 3"          | 54.0-62.0 | NPT 3"     | 120               | 52.3                     | 65.4    | 83      | 39.9     | 96  | BST-Exd-SSFT-N30062BR                           |
| NPT 3"          | 61.0-68.0 | NPT 3"     | 120               | 52.3                     | 65.4    | 83      | 41.5     | 96  | BST-Exd-SSFT-N30068BR                           |
| NPT 3 1/2"      | 61.0-68.0 | NPT 3 1/2" | 120               | 52.3                     | 70.5    | 83      | 41.5     | 108 | BST-Exd-SSFT-N31268BR                           |
| NPT 3"          | 67.0-73.0 | NPT 3"     | 140               | 56.4                     | 70.5    | 113     | 41.5     | 96  | BST-Exd-SSFT-N30073BR                           |
| NPT 3 1/2"      | 67.0-73.0 | NPT 3 1/2" | 140               | 56.4                     | 70.5    | 113     | 41.5     | 108 | BST-Exd-SSFT-N31273BR                           |
| NPT 3 1/2"      | 66.6-80.0 | NPT 3 1/2" | 140               | 63.0                     | 78.7    | 114     | 42.8     | 108 | BST-Exd-SSFT-N31280BR                           |
| NPT 4"          | 66.6-80.0 | NPT 4"     | 140               | 63.0                     | 78.8    | 114     | 42.8     | 123 | BST-Exd-SSFT-N40080BR                           |
| NPT 3 1/2"      | 76.0-89.0 | NPT 3 1/2" | 200               | 71.0                     | 88.7    | 132     | 42.8     | 123 | BST-Exd-SSFT-N31289BR                           |
| NPT 4"          | 76.0-89.0 | NPT 4"     | 200               | 71.0                     | 88.7    | 132     | 42.8     | 123 | BST-Exd-SSFT-N40089BR                           |



隔爆电缆固定头（单密封带填料带挠线管）安装作业指导书  
Single Sealing with Barrier and Tube Exd Cable Gland Installation Instructions



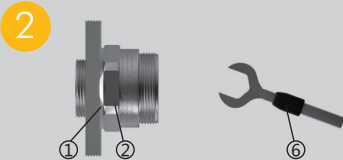
在开始安装前，请仔细阅读所有说明。  
Please Read All Instructions Carefully Before Installation.



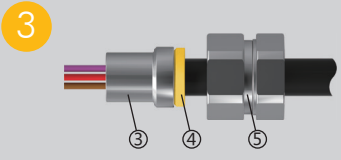
| 1 | Model | Length of Armored Layer | Model   | Length of Armored Layer | Model | Length of Armored Layer | Model  | Length of Armored Layer |
|---|-------|-------------------------|---------|-------------------------|-------|-------------------------|--------|-------------------------|
|   | M1608 | 19mm                    | M2520BR | 20mm                    | M5044 | 27mm                    | M7568  | 27mm                    |
|   | M2008 | 16mm                    | M3227BR | 21mm                    | M6350 | 28mm                    | M8073  | 34mm                    |
|   | M2012 | 16mm                    | M4033BR | 21mm                    | M6355 | 28mm                    | M9080  | 34mm                    |
|   | M2014 | 16mm                    | M5038BR | 24mm                    | M7562 | 27mm                    | M10089 | 60mm                    |



剥掉电缆外护层露出内部电缆芯轴（外护层长度=端子离箱体外侧长度+上表剥线长度），将电缆芯轴的绝缘层清理干净。如果电缆芯上有耐油绵纸，也应该被拆成一根根单一的芯轴，使用绝缘胶带将芯线末端捆扎在一起。  
Strip off the outer sheath of cable to expose the inner cable cores. ( Outer cutting sheath Length = Distance from the terminal to the outer plate of box + Length of naked wire indicated in the table below )And then clean the insulation layer of cable cores. If there's oil resistance cotton paper wrapped around cable cores, it should be disassembled into single one, bundle cable cores bottom with insulated tapes finally.



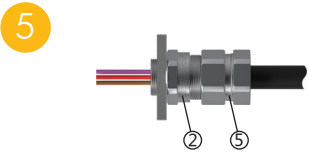
确保垫片①安装到位，将主体②拧入螺纹孔(如果箱体未加工螺纹请使用六角螺母固定)，使用扭力扳手⑦将主体②拧紧至安装扭力。  
Guarantee that the gasket① is installed in place. Screw the body② into the thread hole. (If there is no thread in the holes, please use lock nuts to fix cable glands.) Tighten the body② by the torque spanner⑦ to the standard installation torque.



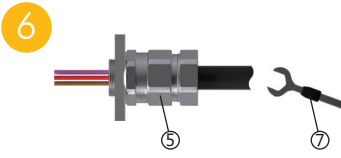
将电缆末端依次穿过压紧螺母⑤和填料筒③，直至外护层超过防水圈④，拆除芯轴末端的绝缘胶带，将其竖直固定在装置上。  
Pass the end of cable through sealing nut⑤ and filling cylinder③ in turn, until outer insulation layer exceeds seal④, strip off insulating tape at the bottom of cable cores, fix it in cylinder vertically.



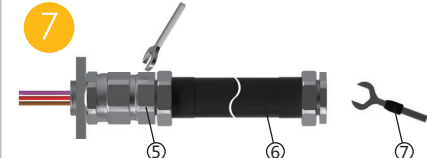
接上混合喷嘴（小型多芯电缆使用延长喷嘴），将树脂注入填料筒中③，确保树脂一直填满到填料筒的底部，擦去溢出的树脂，等待树脂从液体初步凝固。0℃环境下需要30分钟 / 10℃环境下需要15分钟 / 20℃环境下需要7分钟 / 30℃环境下需要5分钟如果混合管内有树脂余留，丢弃搅拌喷嘴，将混合管盖子重新盖上以便下次使用。  
Connect mixing nozzle (extension nozzle for small multi-core cable), inject resin into the filling cylinder③, to ensure that the resin is fully filled into the bottom of the filling cylinder, wipe off the overflow resin, wait for the resin to solidify completely. Wait 30 minutes at 0℃ / Wait 15 minutes at 10℃ / Wait 7 minutes at 20℃ / Wait 5 minutes at 30℃ If there is resin left in mixing pipe, discard mixing nozzle and cover mixing pipe again for next use.



将填料筒③塞进主体②，旋紧压紧螺母⑤。  
Insert the filling cylinder③ into the body②, tighten the sealing nut⑤.



使用扭力扳手⑦拧紧压紧螺母⑤至标准安装扭力，使密封件夹紧电缆达到密封和紧固效果。  
Tighten the sealing nut⑤ by the spanner⑦ to the standard installation torque, make seal clamp the cable tightly to achieve good sealing and fastening effect.



固定压紧螺母⑤的活动部位，将挠线管⑥拧紧至压紧螺母⑤上。  
Fix the movable part of the sealing nut⑤, tighten the flexible tube set⑥ to the sealing nut⑤.

隔爆电缆固定头（铠装双密封）  
Armored Double Sealing Exd Cable Gland



→ BST-Exd-DSA系列 Series



设计规范 Design Specification: IEC62444, EN62444  
符合标准 Standards: IEC 60079-0, IEC 60079-1, IEC 60079-7, IEC 60079-15, IEC 60079-31; EN 60079-0, EN 60079-1, EN 60079-7, EN 60079-15, EN 60079-31  
GB/T 3836.1、GB/T 3836.2、GB/T 3836.3、GB/T 3836.31  
适用范围 Application Scope: 适用于气体1、2区；粉尘20、21、22区  
Suitable for Gas Zones 1 and 2; Dust Zones 20, 21, and 22  
适用电缆类型 Cable Type: 单线钢丝铠装、铝线铠装、钢带铠装、编织铠装、铝带铠装、柔性线铠装、软屏蔽、线编织等铠装电缆  
Single Wire Armoured Cable, Aluminum Wire Armoured Cable, Steel-tape Armoured Cable, Braided Armoured Cable, Aluminum-tape Armoured Cable, Flexible Wire Armoured Cable, Soft-Shielding Armoured Cable, Braided Armoured Cable and etc.  
工作温度 Operating Temperature: -60℃-130℃  
认证测试温度 Certificate Testing Temperature: -65℃-150℃  
进线处防护等级 IP Rating: IP66/IP68(10m 8h)



| 认证数据 Authentication Certificate |                                                                                                                            |                                      |                                                |
|---------------------------------|----------------------------------------------------------------------------------------------------------------------------|--------------------------------------|------------------------------------------------|
| 认证类别 Certificate Type           | 防护类别代码 Ex-Mark                                                                                                             | 认证类别 Certificate Type                | 防护类别代码 Ex-Mark                                 |
| IECEx证书 Certificate             | Ex db IIC Gb<br>Ex eb IIC Gb<br>Ex nR IIC Gc<br>Ex ia IIIC Da IP66/IP68<br>Ex db I Mb<br>Ex eb I Mb                        | CCC证书 Certificate                    | Ex db IIC Gb<br>Ex eb IIC Gb<br>Ex tb IIIC Db  |
| ATEX证书 Certificate              | I M2 Ex db I Mb/Ex eb I Mb<br>II 2 G Ex db II C Gb/Ex eb II C Gb<br>II 1 D Ex ta IIIC Da IP66/IP68<br>II 3 G Ex nR II C Gc | 防爆合格证<br>Explosion-proof Certificate | Ex db II C Gb/Ex tb IIIC Db<br>IP66/68(10m.8h) |

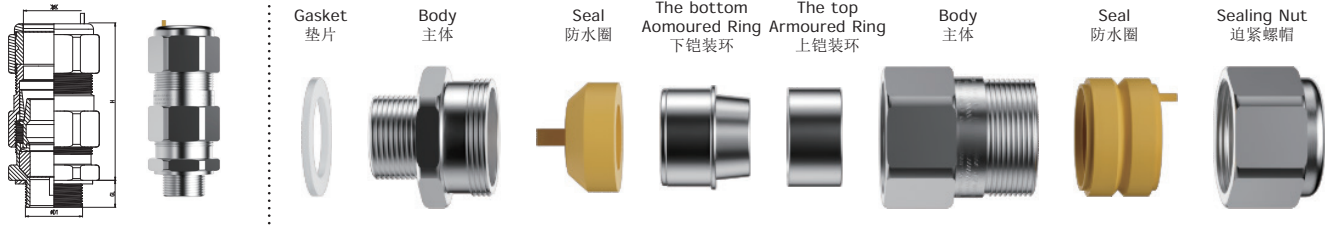
| 技术数据 Technical Data |                                                                                  |
|---------------------|----------------------------------------------------------------------------------|
| 螺纹规格 Thread Size    | M16-M100、NPT 1/2"-NPT 4"                                                         |
| 材质 Material         | 黄铜镀镍、不锈钢 Nickel-plated Brass, Stainless Steel (304, 316, 316L)                   |
| 拉力测试 Tensile Test   | 承重测试直径20倍 (100%拉力) Load-bearing Test: 20 Times The Diameter (100% Tensile Force) |
| 静压 Hydrostatic Test | 静压测试 Hydrostatic Test 30bar                                                      |

| 产品FAB The FAB of the Product |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 特点 Feature                   | 防呆结构设计 Foolproof structural design.<br>同一种规格型号，统一的扳手位尺寸 The same specification and model, unified wrench position size.<br>可承重电缆直径20倍100%拉力 Can bear 20 times the cable diameter 100% tension.<br>静压可承受30bar压力 Static pressure can withstand 30bar pressure.                                                                                                                                                                                                                                                                                                       |
| 优点 Advantage                 | 产品规格齐全 The product comes in a wide range of specifications (M16-M100、NPT1/2"~NPT4")<br>证书齐全: IECEx、ATEX、CCC、防爆合格证<br>Complete certificates: IECEx, ATEX, CCC, explosion-proof certificate.<br>可正常应用在-60℃的极低温区域 It can be normally used in extremely low - temperature areas of - 60℃.<br>可正常应用在+130℃的极高温区域 It can be normally used in extremely high - temperature areas of + 130℃.<br>实验测试温度: -65℃~+150℃ The experimental test temperature ranges from - 65℃ to +150℃.<br>可在水下10米,正常使用8小时 It can be used normally underwater at a depth of 10 meters for 8 hours. |
| 价值 Benefit                   | 可带挠线管结构的隔爆电缆固定头自带活接头功能，降低采购成本，客户可不再采购防爆活接头，同时现场施工可提高20%效率<br>The explosion-proof cable gland with flexible pipe structure has a self-contained flexible joint function, which reduces the procurement cost. Customers no longer need to purchase explosion-proof flexible cable gland.<br>At the same time, the on-site construction efficiency can be increased by 20%.<br>产品适用于冷流型电缆，具有防冷流功能<br>The product is suitable for cold flow type cables and has anti-cold flow function.                                                                               |

隔爆电缆固定头（铠装双密封）  
Armored Double Sealing Exd Cable Gland



→ BST-Exd-DSA系列 Series



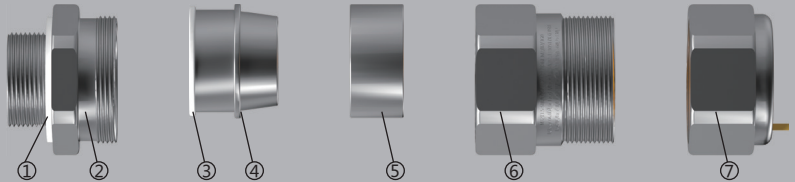
订货数据 Ordering Data

| 规格 Specs<br>ØD1 | Dia.Of<br>Outer Sheath | Dia.Of<br>Inner Sheath | Armoured<br>Range Min. | Armoured<br>Range Max. | H<br>mm | GL<br>mm | mm  | 订货号 Order no<br>(BR-黄铜镀镍、SS-304、SA-316、SB-316L) |
|-----------------|------------------------|------------------------|------------------------|------------------------|---------|----------|-----|-------------------------------------------------|
| M16 x 1.5       | 6.0-13.0               | 3.0-8.0                | 0.0-0.7                | 0.9-1.25               | 65      | 15       | 27  | BST-Exd-DSA-M1613BR                             |
| M20 x 1.5       | 6.0-13.0               | 3.0-8.0                | 0.0-0.7                | 0.9-1.25               | 65      | 15       | 27  | BST-Exd-DSA-M2013BR                             |
| M20 x 1.5       | 9.5-16.0               | 7.5-12.0               | 0.0-0.7                | 0.9-1.25               | 65      | 15       | 27  | BST-Exd-DSA-M2016BR                             |
| M20 x 1.5       | 12.5-21.0              | 8.7-14.0               | 0.0-0.7                | 0.9-1.25               | 68      | 15       | 30  | BST-Exd-DSA-M2021BR                             |
| M25 x 1.5       | 14.0-22.0              | 9.0-15.0               | 0.0-0.7                | 1.25-1.6               | 84      | 15       | 38  | BST-Exd-DSA-M2522BR                             |
| M25 x 1.5       | 18.0-26.0              | 13.0-20.0              | 0.0-0.7                | 1.25-1.6               | 84      | 15       | 38  | BST-Exd-DSA-M2526BR                             |
| M32 x 1.5       | 23.0-34.0              | 19.0-26.5              | 0.0-0.7                | 1.6-2.0                | 87      | 15       | 46  | BST-Exd-DSA-M3234BR                             |
| M40 x 1.5       | 28.0-41.0              | 25.0-32.5              | 0.0-0.7                | 1.6-2.0                | 90      | 15       | 55  | BST-Exd-DSA-M4041BR                             |
| M50 x 1.5       | 35.2-47.0              | 36.0-44.0              | 0.0-1.0                | 1.8-2.5                | 100     | 15       | 65  | BST-Exd-DSA-M5047BR                             |
| M50 x 1.5       | 43.0-53.0              | 36.0-44.0              | 0.0-1.0                | 1.8-2.5                | 100     | 15       | 65  | BST-Exd-DSA-M5053BR                             |
| M63 x 1.5       | 45.6-59.4              | 41.5-50.0              | 0.0-1.0                | 1.8-2.5                | 103     | 15       | 80  | BST-Exd-DSA-M6359BR                             |
| M63 x 1.5       | 54.6-66.0              | 48.0-55.0              | 0.0-1.0                | 1.8-2.5                | 103     | 15       | 80  | BST-Exd-DSA-M6366BR                             |
| M75 x 1.5       | 59.0-72.0              | 54.0-62.0              | 0.0-1.0                | 1.8-2.5                | 105     | 15       | 95  | BST-Exd-DSA-M7572BR                             |
| M75 x 1.5       | 66.7-79.0              | 61.0-68.0              | 0.0-1.0                | 1.8-2.5                | 105     | 15       | 95  | BST-Exd-DSA-M7579BR                             |
| M80 x 2.0       | 65.0-80.0              | 67.0-73.0              | 0.0-1.0                | 1.8-2.5                | 123     | 24       | 102 | BST-Exd-DSA-M8080BR                             |
| M90 x 2.0       | 75.0-91.0              | 66.6-80.0              | 0.0-1.0                | 1.8-2.5                | 124     | 24       | 114 | BST-Exd-DSA-M9091BR                             |
| M100 x 2.0      | 88.0-105.0             | 76.0-89.0              | 0.0-1.0                | 1.8-2.5                | 140     | 24       | 127 | BST-Exd-DSA-M100105BR                           |
|                 |                        |                        |                        |                        |         |          |     |                                                 |
| NPT 1/2"        | 6.0-13.0               | 3.0-8.0                | 0.0-0.7                | 0.9-1.25               | 65      | 19.9     | 27  | BST-Exd-DSA-N1213BR                             |
| NPT 3/4"        | 6.0-13.0               | 3.0-8.0                | 0.0-0.7                | 0.9-1.25               | 65      | 19.9     | 27  | BST-Exd-DSA-N3413BR                             |
| NPT 1/2"        | 9.5-16.0               | 7.5-12.0               | 0.0-0.7                | 0.9-1.25               | 65      | 19.9     | 27  | BST-Exd-DSA-N1216BR                             |
| NPT 3/4"        | 9.5-16.0               | 7.5-12.0               | 0.0-0.7                | 0.9-1.25               | 65      | 19.9     | 27  | BST-Exd-DSA-N3416BR                             |
| NPT 1/2"        | 12.5-21.0              | 8.7-14.0               | 0.0-0.7                | 0.9-1.25               | 68      | 19.9     | 30  | BST-Exd-DSA-N1221BR                             |
| NPT 3/4"        | 12.5-21.0              | 8.7-14.0               | 0.0-0.7                | 0.9-1.25               | 68      | 19.9     | 30  | BST-Exd-DSA-N3421BR                             |
| NPT 3/4"        | 14.0-22.0              | 9.0-15.0               | 0.0-0.7                | 1.25-1.6               | 82      | 20.2     | 38  | BST-Exd-DSA-N3422BR                             |
| NPT 3/4"        | 18.0-26.0              | 13.0-20.0              | 0.0-0.7                | 1.25-1.6               | 82      | 20.2     | 38  | BST-Exd-DSA-N3426BR                             |
| NPT 1"          | 14.0-22.0              | 9.0-15.0               | 0.0-0.7                | 1.25-1.6               | 82      | 20.2     | 38  | BST-Exd-DSA-N10022BR                            |
| NPT 1"          | 18.0-26.0              | 13.0-20.0              | 0.0-0.7                | 1.25-1.6               | 82      | 20.2     | 38  | BST-Exd-DSA-N10026BR                            |
| NPT 1"          | 23.0-34.0              | 19.0-26.5              | 0.0-0.7                | 1.6-2.0                | 84      | 25.0     | 46  | BST-Exd-DSA-N10034BR                            |
| NPT 1 1/4"      | 23.0-34.0              | 19.0-26.5              | 0.0-0.7                | 1.6-2.0                | 84      | 25.0     | 46  | BST-Exd-DSA-N11434BR                            |
| NPT 1 1/4"      | 28.0-41.0              | 25.0-32.5              | 0.0-0.7                | 1.6-2.0                | 88      | 25.6     | 55  | BST-Exd-DSA-N11441BR                            |
| NPT 1 1/2"      | 28.0-41.0              | 25.0-32.5              | 0.0-0.7                | 1.6-2.0                | 88      | 25.6     | 55  | BST-Exd-DSA-N11241BR                            |
| NPT 2"          | 35.2-47.0              | 35.6-44.0              | 0.0-1.0                | 1.8-2.5                | 95      | 26.1     | 70  | BST-Exd-DSA-N20047BR                            |
| NPT 2"          | 43.0-53.0              | 35.6-44.0              | 0.0-1.0                | 1.8-2.5                | 95      | 26.9     | 70  | BST-Exd-DSA-N20053BR                            |
| NPT 2 1/2"      | 43.0-53.0              | 35.6-44.0              | 0.0-1.0                | 1.8-2.5                | 95      | 26.9     | 80  | BST-Exd-DSA-N21253BR                            |
| NPT 2 1/2"      | 45.6-59.4              | 41.5-50.0              | 0.0-1.0                | 1.8-2.5                | 101     | 26.9     | 80  | BST-Exd-DSA-N21259BR                            |
| NPT 2 1/2"      | 54.6-66.0              | 48.0-55.0              | 0.0-1.0                | 1.8-2.5                | 101     | 39.9     | 80  | BST-Exd-DSA-N21266BR                            |
| NPT 3"          | 54.6-66.0              | 48.0-55.0              | 0.0-1.0                | 1.8-2.5                | 101     | 39.9     | 96  | BST-Exd-DSA-N30066BR                            |
| NPT 3"          | 59.0-72.0              | 54.0-67.0              | 0.0-1.0                | 1.8-2.5                | 105     | 39.9     | 96  | BST-Exd-DSA-N30072BR                            |
| NPT 3"          | 66.7-79.0              | 61.0-68.0              | 0.0-1.0                | 1.8-2.5                | 105     | 41.5     | 96  | BST-Exd-DSA-N30079BR                            |
| NPT 3 1/2"      | 66.7-79.0              | 61.0-68.0              | 0.0-1.0                | 1.8-2.5                | 105     | 41.5     | 108 | BST-Exd-DSA-N31279BR                            |
| NPT 3"          | 65.0-80.0              | 67.0-73.0              | 0.0-1.0                | 1.8-2.5                | 123     | 41.5     | 102 | BST-Exd-DSA-N30080BR                            |
| NPT 3 1/2"      | 65.0-80.0              | 67.0-73.0              | 0.0-1.0                | 1.8-2.5                | 123     | 41.5     | 108 | BST-Exd-DSA-N31280BR                            |
| NPT 3 1/2"      | 75.0-91.0              | 66.6-80.0              | 0.0-1.0                | 1.8-2.5                | 124     | 42.8     | 114 | BST-Exd-DSA-N31291BR                            |
| NPT 4"          | 75.0-91.0              | 66.6-80.0              | 0.0-1.0                | 1.8-2.5                | 124     | 42.8     | 123 | BST-Exd-DSA-N40091BR                            |
| NPT 3 1/2"      | 88.0-105.0             | 76.0-89.0              | 0.0-1.0                | 1.8-2.5                | 140     | 42.8     | 127 | BST-Exd-DSA-N312105BR                           |
| NPT 4"          | 88.0-105.0             | 76.0-89.0              | 0.0-1.0                | 1.8-2.5                | 140     | 42.8     | 127 | BST-Exd-DSA-N400105BR                           |

隔爆电缆固定头（铠装双密封）安装作业指导书  
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Please Read All Instructions Carefully Before Installation.



| Model | Length of Armored Layer | Model | Length of Armored Layer | Model | Length of Armored Layer | Model  | Length of Armored Layer |
|-------|-------------------------|-------|-------------------------|-------|-------------------------|--------|-------------------------|
| M1608 | 14mm                    | M2520 | 14mm                    | M5044 | 24mm                    | M7568  | 26mm                    |
| M2008 | 14mm                    | M3227 | 17mm                    | M6350 | 26mm                    | M8073  | 26mm                    |
| M2012 | 14mm                    | M4033 | 17mm                    | M6355 | 26mm                    | M9080  | 26mm                    |
| M2014 | 14mm                    | M5038 | 24mm                    | M7562 | 26mm                    | M10089 | 28mm                    |



如有需要，在电缆外护套上安装护套；根据箱体大小，剥掉电缆外护套和铠装层；参考上表再剥掉部分外护套，使露出的钢丝长度“L”与上表一致。如果电缆芯上有耐油绵纸，也应该被拆除，使用绝缘胶带将芯线末端捆扎在一起。

Install sheath again on the outer sheath of cable if necessary. Strip off outer sheath and armored layer according to enclosure box size. Strip off outer sheath again according to the parameters in the table above, make the exposed length “L” of steel wire consistent with parameters in the table. If there’s oil resistant cotton paper wrapped around cable cores, it should be removed, bundle cable cores bottom with insulated tapes finally.

**2**

确保垫片①安装到位，将主体②拧入螺纹孔(如果箱体未加工螺纹请使用六角螺母固定)，使用扭力扳手⑧将主体②拧紧至标准安装扭力。

Guarantee that the gasket① is installed in place. Screw the body② into the thread hole. (If there is no thread in the holes, please use lock nuts to fix cable glands.) Tighten the body② by the torque spanner⑧ to the standard installation torque.

**3**

确保迫紧圈⑦是松开的，将电缆穿过组件“A”和上铠装环⑤。注意：电缆为最大线径时，上铠装环⑤只能通过铠装层。

Guarantee that the sealing nut⑦ is loose, pass the cable through assembly “A” and top armored ring ⑤. Note: When the cable reach maximum diameter, the top armored ring ⑤ can only pass through the armored layer.

**4**

将下铠装环④装至主体②上，将电缆内护套穿过主体直到铠装层与下铠装环④锥体贴合，在圆锥面周围均匀的铺上钢丝。

Install bottom armored ring④ into body②, pass cable cores through body until the armored layer connect conical surface of bottom armored ring④ completely, press the steel wire evenly around the conical surface.

**5**

保持铠装层与锥面之间的接触，同时用手拧紧主体⑥直到感觉到强烈的阻力，用扭力扳手⑧进一步拧紧主体⑥使上下铠装环压紧钢丝。

Keep connecting between armored layer and conical surface, at the same time, tighten body⑥ until strong resistance is felt, tighten further body⑥ by torque spanner⑧ to make the bottom and top armored rings press steel wires tightly.

**6**

拧开主体⑥检查上下铠装环之间的铠装钢丝是否压紧。

Unscrew body⑥, check whether armored steel wires between bottom and top armored rings has pressed tightly already or not.

**7**

用扭力扳手⑧将主体⑥重新拧紧至标准安装扭力，达到密封和紧固的效果。

Screw body⑥ by the spanner⑧ in terms of the standard installation torque to achieve good sealing and fastening effects.

**8**

拧紧迫紧螺帽⑦使密封件与电缆外护套接触，达到额外的密封和紧固效果。

Tighten sealing nut⑦ to make connection between seal and outer sheath of cable, to achieve good additional sealing and fastening effects.



隔爆电缆固定头（铠装双密封双锁紧）  
Armored Double-sealing Centric Strain Relief Exd Cable Gland



→ BST-Exd-DSAC系列 Series

设计规范 Design Specification:

符合标准 Standards:

适用范围 Application Scope:

适用电缆类型 Cable Type:

IEC62444,EN62444

IEC 60079-0,IEC 60079-1,IEC 60079-7,IEC 60079-15,IEC 60079-31;  
EN 60079-0,EN 60079-1,EN 60079-7,EN 60079-15,EN 60079-31  
GB/T 3836.1、GB/T 3836.2、GB/T 3836.3、GB/T 3836.31  
适用于气体1、2区；粉尘20、21、22区  
Suitable for Gas Zones 1 and 2; Dust Zones 20, 21, and 22  
单线钢丝铠装、铝线铠装、钢带铠装、编织铠装、铝带铠装、柔性线铠装、软屏蔽、线编织等铠装电缆  
Single Wire Armoured Cable, Aluminum Wire Armoured Cable, Steel-tape Armoured Cable, Braided Armoured Cable, Aluminum-tape Armoured Cable, Flexible Wire Armoured Cable, Soft-Shielding Armoured Cable, Braided Armoured Cable and etc.

-60℃-130℃  
-65℃-150℃  
IP66/IP68(10m 8h)

IEC Exd

ATEX

CCC

RoHS

REACH



认证数据 Authentication Certificate

| 认证类别 Certificate Type | 防护类别代码 Ex-Mark                                                                                                             | 认证类别 Certificate Type                | 防护类别代码 Ex-Mark                                 |
|-----------------------|----------------------------------------------------------------------------------------------------------------------------|--------------------------------------|------------------------------------------------|
| IECEx证书 Certificate   | Ex db IIC Gb<br>Ex eb IIC Gb<br>Ex nR IIC Gc<br>Ex ta IIIC Da IP66/IP68<br>Ex db I Mb<br>Ex eb I Mb                        | CCC证书 Certificate                    | Ex db IIC Gb<br>Ex eb IIC Gb<br>Ex tb IIIC Db  |
| ATEX证书 Certificate    | I M2 Ex db I Mb/Ex eb I Mb<br>II 2 G Ex db II C Gb/Ex eb II C Gb<br>II 1 D Ex ta IIIC Da IP66/IP68<br>II 3 G Ex nR II C Gc | 防爆合格证<br>Explosion-proof Certificate | Ex db II C Gb/Ex tb IIIC Db<br>IP66/68(10m.8h) |

技术数据 Technical Data

| 螺纹规格 Thread Size    | M16-M100、NPT 1/2"-NPT 4"                                                        |
|---------------------|---------------------------------------------------------------------------------|
| 材质 Material         | 黄铜镀镍、不锈钢 Nickel-plated Brass, Stainless Steel (304, 316, 316L)                  |
| 拉力测试 Tensile Test   | 承重测试直径20倍（100%拉力） Load-bearing Test: 20 Times The Diameter (100% Tensile Force) |
| 静压 Hydrostatic Test | 静压测试 Hydrostatic Test 30bar                                                     |

产品FAB The FAB of the Product

|              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 特点 Feature   | 防呆结构设计 Foolproof structural design.<br>同一种规格型号，统一的扳手位尺寸 The same specification and model, unified wrench position size.<br>可承重电缆直径20倍100%拉力 Can bear 20 times the cable diameter 100% tension.<br>静压可承受30bar压力 Static pressure can withstand 30bar pressure.                                                                                                                                                                                                                                                                                                     |
| 优点 Advantage | 产品规格齐全 The product comes in a wide range of specifications (M16-M100、NPT1/2"~NPT4")<br>证书齐全：IECEx、ATEX、CCC、防爆合格证<br>Complete certificates: IECEx, ATEX, CCC, explosion-proof certificate.<br>可正常应用在-60℃的极低温区域 It can be normally used in extremely low - temperature areas of - 60℃.<br>可正常应用在+130℃的极高温区域 It can be normally used in extremely high - temperature areas of + 130℃.<br>实验测试温度：-65℃~+150℃ The experimental test temperature ranges from - 65℃ to +150℃.<br>可在水下10米,正常使用8小时 It can be used normally underwater at a depth of 10 meters for 8 hours. |
| 价值 Benefit   | 可带挠线管结构的隔爆电缆固定头自带活接头功能，降低采购成本，客户可不再采购防爆活接头，同时现场施工可提高20%效率<br>The explosion-proof cable gland with flexible pipe structure has a self-contained flexible joint function, which reduces the procurement cost. Customers no longer need to purchase explosion-proof flexible cable gland.<br>At the same time, the on-site construction efficiency can be increased by 20%.<br>产品适用于冷流型电缆，具有防冷流功能<br>The product is suitable for cold flow type cables and has anti-cold flow function.                                                                             |

隔爆电缆固定头（铠装双密封双锁紧）  
Armored Double-sealing Centric Strain Relief Exd Cable Gland



→ BST-Exd-DSAC系列 Series

设计规范 Design Specification:

符合标准 Standards:

适用范围 Application Scope:

适用电缆类型 Cable Type:

IEC Exd

ATEX

CCC

RoHS

REACH



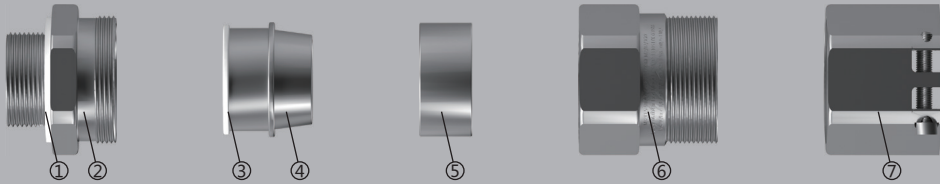
订货数据 Ordering Data

| 规格 Specs<br>ØD1 | Dia.Of<br>Outer Sheath | Dia.Of<br>Inner Sheath | Armoured<br>Range Min. | Armoured<br>Range Max. | H<br>mm | GL<br>mm | mm  | 订货号 Order no<br>(BR- 黄铜镀镍、SS-304、SA-316、SB-316L) |
|-----------------|------------------------|------------------------|------------------------|------------------------|---------|----------|-----|--------------------------------------------------|
| M16 x 1.5       | 6.0-13.0               | 3.0-8.0                | 0.0-0.7                | 0.9-1.25               | 73      | 15       | 27  | BST-Exd-DSAC-M1613BR                             |
| M20 x 1.5       | 6.0-13.0               | 3.0-8.0                | 0.0-0.7                | 0.9-1.25               | 73      | 15       | 27  | BST-Exd-DSAC-M2013BR                             |
| M20 x 1.5       | 9.5-16.0               | 7.5-12.0               | 0.0-0.7                | 0.9-1.25               | 73      | 15       | 27  | BST-Exd-DSAC-M2016BR                             |
| M20 x 1.5       | 12.5-21.0              | 8.7-14.0               | 0.0-0.7                | 0.9-1.25               | 76      | 15       | 30  | BST-Exd-DSAC-M2021BR                             |
| M25 x 1.5       | 14.0-22.0              | 9.0-15.0               | 0.0-0.7                | 1.25-1.6               | 94      | 15       | 38  | BST-Exd-DSAC-M2522BR                             |
| M25 x 1.5       | 18.0-26.0              | 13.0-20.0              | 0.0-0.7                | 1.25-1.6               | 94      | 15       | 38  | BST-Exd-DSAC-M2526BR                             |
| M32 x 1.5       | 23.0-34.0              | 19.0-26.5              | 0.0-0.7                | 1.6-2.0                | 97      | 15       | 46  | BST-Exd-DSAC-M3234BR                             |
| M40 x 1.5       | 28.0-41.0              | 25.0-32.5              | 0.0-0.7                | 1.6-2.0                | 100     | 15       | 55  | BST-Exd-DSAC-M4041BR                             |
| M50 x 1.5       | 35.2-47.0              | 31.0-38.0              | 0.0-1.0                | 1.8-2.5                | 110     | 15       | 65  | BST-Exd-DSAC-M5047BR                             |
| M50 x 1.5       | 43.0-53.0              | 36.0-44.0              | 0.0-1.0                | 1.8-2.5                | 110     | 15       | 65  | BST-Exd-DSAC-M5053BR                             |
| M63 x 1.5       | 45.6-59.4              | 41.5-50.0              | 0.0-1.0                | 1.8-2.5                | 113     | 15       | 80  | BST-Exd-DSAC-M6359BR                             |
| M63 x 1.5       | 54.6-66.0              | 48.0-55.0              | 0.0-1.0                | 1.8-2.5                | 113     | 15       | 80  | BST-Exd-DSAC-M6366BR                             |
| M75 x 1.5       | 59.0-72.0              | 54.0-62.0              | 0.0-1.0                | 1.8-2.5                | 117     | 15       | 95  | BST-Exd-DSAC-M7572BR                             |
| M75 x 1.5       | 66.7-79.0              | 61.0-68.0              | 0.0-1.0                | 1.8-2.5                | 117     | 15       | 95  | BST-Exd-DSAC-M7579BR                             |
| M80 x 2.0       | 65.0-80.0              | 67.0-73.0              | 0.0-1.0                | 1.8-2.5                | 135     | 24       | 102 | BST-Exd-DSAC-M8080BR                             |
| M90 x 2.0       | 75.0-91.0              | 66.6-80.0              | 0.0-1.0                | 1.8-2.5                | 136     | 24       | 114 | BST-Exd-DSAC-M9091BR                             |
| M100 x 2.0      | 88.0-105.0             | 76.0-89.0              | 0.0-1.0                | 1.8-2.5                | 152     | 24       | 127 | BST-Exd-DSAC-M100105BR                           |
| NPT 1/2"        | 6.0-13.0               | 3.0-8.0                | 0.0-0.7                | 0.9-1.25               | 73      | 19.9     | 27  | BST-Exd-DSAC-N1213BR                             |
| NPT 3/4"        | 6.0-13.0               | 3.0-8.0                | 0.0-0.7                | 0.9-1.25               | 73      | 19.9     | 27  | BST-Exd-DSAC-N3413BR                             |
| NPT 1/2"        | 9.5-16.0               | 7.5-12.0               | 0.0-0.7                | 0.9-1.25               | 73      | 19.9     | 27  | BST-Exd-DSAC-N1216BR                             |
| NPT 3/4"        | 9.5-16.0               | 7.5-12.0               | 0.0-0.7                | 0.9-1.25               | 73      | 19.9     | 27  | BST-Exd-DSAC-N3416BR                             |
| NPT 1/2"        | 12.5-21.0              | 8.7-14.0               | 0.0-0.7                | 0.9-1.25               | 76      | 19.9     | 30  | BST-Exd-DSAC-N1221BR                             |
| NPT 3/4"        | 12.5-21.0              | 8.7-14.0               | 0.0-0.7                | 0.9-1.25               | 76      | 19.9     | 30  | BST-Exd-DSAC-N3421BR                             |
| NPT 3/4"        | 14.0-22.0              | 9.0-15.0               | 0.0-0.7                | 1.25-1.6               | 94      | 20.2     | 38  | BST-Exd-DSAC-N3422BR                             |
| NPT 3/4"        | 18.0-26.0              | 13.0-20.0              | 0.0-0.7                | 1.25-1.6               | 94      | 20.2     | 38  | BST-Exd-DSAC-N3426BR                             |
| NPT 1"          | 14.0-22.0              | 9.0-15.0               | 0.0-0.7                | 1.25-1.6               | 94      | 20.2     | 38  | BST-Exd-DSAC-N10022BR                            |
| NPT 1"          | 18.0-26.0              | 13.0-20.0              | 0.0-0.7                | 1.25-1.6               | 94      | 20.2     | 38  | BST-Exd-DSAC-N10026BR                            |
| NPT 1"          | 23.0-34.0              | 19.0-26.5              | 0.0-0.7                | 1.6-2.0                | 97      | 25.0     | 46  | BST-Exd-DSAC-N10034BR                            |
| NPT 1 1/4"      | 23.0-34.0              | 19.0-26.5              | 0.0-0.7                | 1.6-2.0                | 97      | 25.0     | 46  | BST-Exd-DSAC-N11434BR                            |
| NPT 1 1/4"      | 28.0-41.0              | 25.0-32.5              | 0.0-0.7                | 1.6-2.0                | 100     | 25.6     | 55  | BST-Exd-DSAC-N11441BR                            |
| NPT 1 1/2"      | 28.0-41.0              | 25.0-32.5              | 0.0-0.7                | 1.6-2.0                | 100     | 25.6     | 55  | BST-Exd-DSAC-N11241BR                            |
| NPT 2"          | 35.2-47.0              | 31.0-38.0              | 0.0-1.0                | 1.8-2.5                | 110     | 26.1     | 70  | BST-Exd-DSAC-N20047BR                            |
| NPT 2"          | 43.0-53.0              | 35.6-44.0              | 0.0-1.0                | 1.8-2.5                | 110     | 26.9     | 70  | BST-Exd-DSAC-N20053BR                            |
| NPT 2 1/2"      | 43.0-53.0              | 35.6-44.0              | 0.0-1.0                | 1.8-2.5                | 110     | 26.9     | 80  | BST-Exd-DSAC-N21253BR                            |
| NPT 2 1/2"      | 45.6-59.4              | 41.5-50.0              | 0.0-1.0                | 1.8-2.5                | 113     | 26.9     | 80  | BST-Exd-DSAC-N21259BR                            |
| NPT 2 1/2"      | 54.6-66.0              | 48.0-55.0              | 0.0-1.0                | 1.8-2.5                | 113     | 39.9     | 80  | BST-Exd-DSAC-N21266BR                            |
| NPT 3"          | 54.6-66.0              | 48.0-55.0              | 0.0-1.0                | 1.8-2.5                | 113     | 39.9     | 96  | BST-Exd-DSAC-N30066BR                            |
| NPT 3"          | 59.0-72.0              | 54.0-67.0              | 0.0-1.0                | 1.8-2.5                | 117     | 39.9     | 96  | BST-Exd-DSAC-N30072BR                            |
| NPT 3"          | 66.7-79.0              | 61.0-68.0              | 0.0-1.0                | 1.8-2.5                | 117     | 41.5     | 96  | BST-Exd-DSAC-N30079BR                            |
| NPT 3 1/2"      | 66.7-79.0              | 61.0-68.0              | 0.0-1.0                | 1.8-2.5                | 117     | 41.5     | 108 | BST-Exd-DSAC-N31279BR                            |
| NPT 3"          | 65.0-80.0              | 67.0-73.0              | 0.0-1.0                | 1.8-2.5                | 135     | 41.5     | 102 | BST-Exd-DSAC-N30080BR                            |
| NPT 3 1/2"      | 65.0-80.0              | 67.0-73.0              | 0.0-1.0                | 1.8-2.5                | 135     | 41.5     | 108 | BST-Exd-DSAC-N31280BR                            |
| NPT 3 1/2"      | 75.0-91.0              | 66.6-80.0              | 0.0-1.0                | 1.8-2.5                | 136     | 42.8     | 114 | BST-Exd-DSAC-N31291BR                            |
| NPT 4"          | 75.0-91.0              | 66.6-80.0              | 0.0-1.0                | 1.8-2.5                | 136     | 42.8     | 123 | BST-Exd-DSAC-N40091BR                            |
| NPT 3 1/2"      | 88.0-105.0             | 76.0-89.0              | 0.0-1.0                | 1.8-2.5                | 152     | 42.8     | 127 | BST-Exd-DSAC-N312105BR                           |
| NPT 4"          | 88.0-105.0             | 76.0-89.0              | 0.0-1.0                | 1.8-2.5                | 152     | 42.8     | 127 | BST-Exd-DSAC-N400105BR                           |

隔爆电缆固定头（铠装双密封双锁紧）安装作业指导书  
Armored Double-sealing Centric Strain Relief Exd Cable Gland Installation Instructions



在开始安装前，请仔细阅读所有说明。  
Please Read All Instructions Carefully Before Installation.

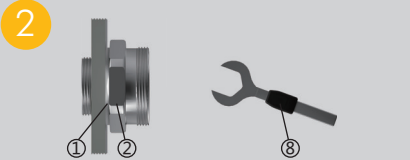


| 1 | Model | Length of Armored Layer | Model | Length of Armored Layer | Model | Length of Armored Layer | Model  | Length of Armored Layer |
|---|-------|-------------------------|-------|-------------------------|-------|-------------------------|--------|-------------------------|
|   | M1608 | 14mm                    | M2520 | 14mm                    | M5044 | 24mm                    | M7568  | 26mm                    |
|   | M2008 | 14mm                    | M3227 | 17mm                    | M6350 | 26mm                    | M8073  | 26mm                    |
|   | M2012 | 14mm                    | M4033 | 17mm                    | M6355 | 26mm                    | M9080  | 26mm                    |
|   | M2014 | 14mm                    | M5038 | 24mm                    | M7562 | 26mm                    | M10089 | 28mm                    |



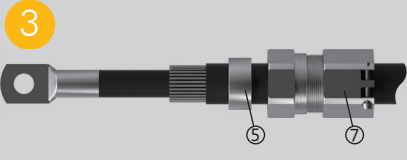
如有需要，在电缆外层上安装护套；根据箱体大小，剥掉电缆外层和铠装层；参考上表再剥掉部分外层，使露出的钢丝长度“L”与上表一致。如果电缆芯上有耐油绵纸，也应该被拆除，使用绝缘胶带将芯线末端捆扎在一起。

Install sheath again on the outer sheath of cable if necessary. Strip off outer sheath and armoured layer according to enclosure box size. Strip off outer sheath again according to the parameters in the table above, make the exposed length “L” of steel wire consistent with parameters in the table. If there's oil resistant cotton paper wrapped around cable cores, it should be removed, bundle cable cores bottom with insulated tapes finally.



确保垫片①安装到位，将主体②拧入螺纹孔(如果箱体未加工螺纹请使用六角螺母固定)，使用扭力扳手⑧将主体②拧紧至标准安装扭力。

Guarantee that the gasket① is installed in place. Screw the body② into the thread hole. (If there is no thread in the holes, please use lock nuts to fix cable glands.) Tighten the body② by the torque spanner⑧ to the standard installation torque.

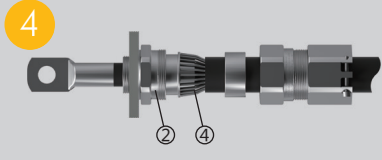


确保迫帽⑦是松开的，将电缆穿过组件“A”和上铠装环⑤。

注意：电缆为最大线径时，上铠装环⑤只能通过铠装层。

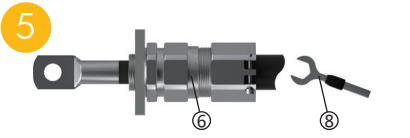
Guarantee that the sealing nut⑦ is loose, pass the cable through assembly "A" and top armored ring⑤.

Note: When the cable reach maximum diameter, the top armored ring⑤ can only pass through the armored layer.



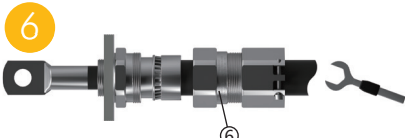
将下铠装环④装至主体②上，将电缆内护层穿过主体直到铠装层与下铠装环④锥体贴合，在圆锥面周围均匀的铺上钢丝。

Install bottom armored ring④ into body②, pass cable cores through body until the armored layer connect conical surface of bottom armored ring④ completely, press the steel wire evenly around the conical surface.



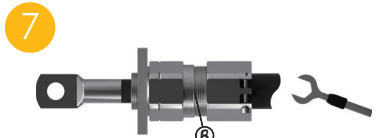
保持铠装层与锥面之间的接触，同时用手拧紧主体⑥直到感觉到强烈的阻力，用扭力扳手⑧进一步拧紧主体⑥使上下铠装环压紧钢丝。

Keep connecting between armored layer and conical surface, at the same time, tighten body⑥ until strong resistance is felt, tighten further body⑥ by torque spanner⑧ to make the bottom and top armored rings press steel wires tightly.



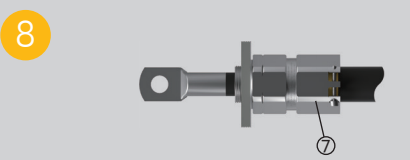
拧开主体⑥检查上下铠装环之间的铠装钢丝是否压紧。

Unscrew body⑥, check whether armored steel wires between bottom and top armored rings has pressed tightly already or not.



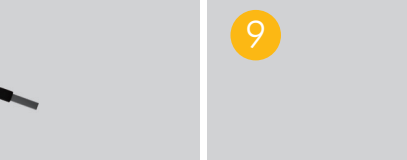
用扭力扳手⑧将主体⑥重新拧紧至标准安装扭力，达到密封和紧固的效果。

Screw body⑥ by the spanner⑧ in terms of the standard installation torque to achieve good sealing and fastening effects.



拧紧迫紧螺帽⑦使密封件与电缆外护层接触，达到额外的密封和紧固效果。

Tighten sealing nut⑦ to make connection between seal and outer sheath of cable, to achieve good additional sealing and fastening effects.



将螺栓旋紧，对电缆外护层达到更高级别的电缆锁紧力。

Tighten bolts to achieve higher-level locking effects of cable sheath.

隔爆电缆固定头（铠装单密封带填料）安装作业指导书  
Armored Single Sealing with Barrier Exd Cable Gland



→ BST-Exd-SSFA系列 Series



设计规范 Design Specification: IEC62444, EN62444  
符合标准 Standards: IEC 60079-0, IEC 60079-1, IEC 60079-7, IEC 60079-15, IEC 60079-31; EN 60079-0, EN 60079-1, EN 60079-7, EN 60079-15, EN 60079-31  
GB/T 3836.1、GB/T 3836.2、GB/T 3836.3、GB/T 3836.31  
适用于气体1、2区；粉尘20、21、22区  
Suitable for Gas Zones 1 and 2; Dust Zones 20, 21, and 22  
单线钢丝铠装、铝线铠装、钢带铠装、编织铠装、铝带铠装、柔性线铠装、软屏蔽、线编织等铠装电缆  
Single Wire Armoured Cable, Aluminum Wire Armoured Cable, Steel-tape Armoured Cable, Braided Armoured Cable, Aluminum-tape Armoured Cable, Flexible Wire Armoured Cable, Soft-Shielding Armoured Cable, Braided Armoured Cable and etc.

工作温度 Operating Temperature: -60℃~130℃  
认证测试温度 Certificate Testing Temperature: -65℃~150℃  
进线处防护等级 IP Rating: IP66/IP68(10m 8h)

认证证书 Authentication Certificate

| 认证类别 Certificate Type | 防护类别代码 Ex-Mark                                                                                                            | 认证类别 Certificate Type                | 防护类别代码 Ex-Mark                                 |
|-----------------------|---------------------------------------------------------------------------------------------------------------------------|--------------------------------------|------------------------------------------------|
| IECEx证书 Certificate   | Ex db IIC Gb<br>Ex eb IIC Gb<br>Ex nR IIC Gc<br>Ex ta IIIC Da IP66/IP68<br>Ex db I Mb<br>Ex eb I Mb                       | CCC证书 Certificate                    | Ex db IIC Gb<br>Ex eb IIC Gb<br>Ex tb IIIC Db  |
| ATEX证书 Certificate    | I M2 Ex db I Mb/Ex eb I Mb<br>II 2 G Ex db II C Gb/Ex eb II C Gb<br>II 1 D Ex ta IIIC Da IP66/IP68<br>II 3 G Ex nR IIC Gc | 防爆合格证<br>Explosion-proof Certificate | Ex db II C Gb/Ex tb IIIC Db<br>IP66/68(10m.8h) |

技术数据 Technical Data

|                     |                                                                                  |
|---------------------|----------------------------------------------------------------------------------|
| 螺纹规格 Thread Size    | M16-M100、NPT 1/2"-NPT 4"                                                         |
| 材质 Material         | 黄铜镀镍、不锈钢 Nickel-plated Brass, Stainless Steel (304, 316, 316L)                   |
| 拉力测试 Tensile Test   | 承重测试直径20倍 (100%拉力) Load-bearing Test: 20 Times The Diameter (100% Tensile Force) |
| 静压 Hydrostatic Test | 静压测试 Hydrostatic Test 30bar                                                      |

产品FAB The FAB of the Product

|              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|--------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 特点 Feature   | 防呆结构设计 Foolproof structural design.<br>同一种规格型号，统一的扳手位尺寸 The same specification and model, unified wrench position size.<br>可承重电缆直径20倍100%拉力 Can bear 20 times the cable diameter 100% tension.<br>静压可承受30bar压力 Static pressure can withstand 30bar pressure.                                                                                                                                                                                                                                                                                                       |
| 优点 Advantage | 产品规格齐全 The product comes in a wide range of specifications (M16-M100、NPT1/2"~NPT4")<br>证书齐全: IECEx、ATEX、CCC、防爆合格证<br>Complete certificates: IECEx, ATEX, CCC, explosion-proof certificate.<br>可正常应用在-60℃的极低温区域 It can be normally used in extremely low - temperature areas of - 60℃.<br>可正常应用在+130℃的极高温区域 It can be normally used in extremely high - temperature areas of + 130℃.<br>实验测试温度: -65℃~+150℃ The experimental test temperature ranges from - 65℃ to +150℃.<br>可在水下10米,正常使用8小时 It can be used normally underwater at a depth of 10 meters for 8 hours. |
| 价值 Benefit   | 可带挠线管结构的隔爆电缆固定头自带活接头功能，降低采购成本，客户可不再采购防爆活接头，同时现场施工可提高20%效率<br>The explosion-proof cable gland with flexible pipe structure has a self-contained flexible joint function, which reduces the procurement cost. Customers no longer need to purchase explosion-proof flexible cable gland.<br>At the same time, the on-site construction efficiency can be increased by 20%.<br>产品适用于冷流型电缆，具有防冷流功能<br>The product is suitable for cold flow type cables and has anti-cold flow function.                                                                               |



隔爆电缆固定头（铠装单密封带填料）  
Armored Single Sealing with Barrier Exd Cable Gland



➔ BST-Exd-SSFA系列 Series

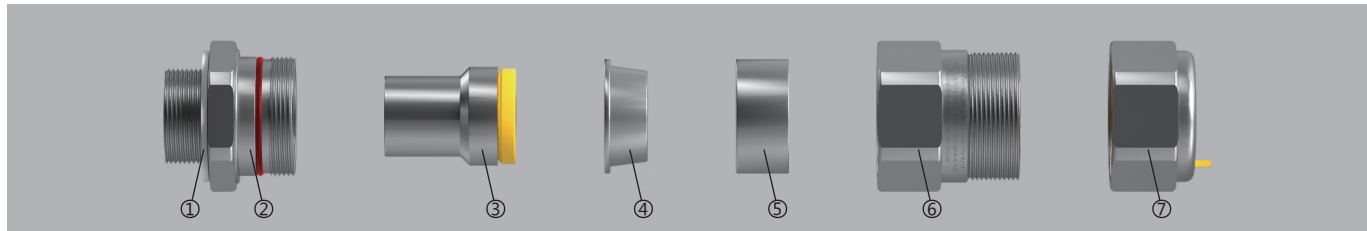


订货数据 Ordering Data

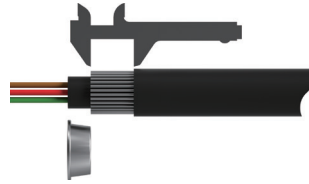
| 规格 Specs<br>ØD1 | O.D.of<br>Cable | Cable<br>Core Qty | Max.Dia.of<br>Over Cores | Armoured<br>Range Min. | Armoured<br>Range Max. | E<br>mm | H<br>mm | GL<br>mm | mm  | 订货号 Order no<br>(BR-黄铜镀镍、SS-304、SA-316、SB-316L) |
|-----------------|-----------------|-------------------|--------------------------|------------------------|------------------------|---------|---------|----------|-----|-------------------------------------------------|
| M16 x 1.5       | 6.0-13.0        | 6                 | 6.8                      | 0.0-0.7                | 0.9-1.25               | 8.5     | 69      | 15       | 27  | BST-Exd-SSFA-M1613BR                            |
| M20 x 1.5       | 6.0-13.0        | 6                 | 10                       | 0.0-0.7                | 0.9-1.25               | 12.5    | 66      | 15       | 27  | BST-Exd-SSFA-M2013BR                            |
| M20 x 1.5       | 9.5-16.0        | 6                 | 10                       | 0.0-0.7                | 0.9-1.25               | 12.5    | 66      | 15       | 27  | BST-Exd-SSFA-M2016BR                            |
| M20 x 1.5       | 12.5-21.0       | 10                | 9.8                      | 0.0-0.7                | 0.9-1.25               | 12.3    | 65      | 15       | 30  | BST-Exd-SSFA-M2021BR                            |
| M25 x 1.5       | 14.0-22.0       | 21                | 13.4                     | 0.0-0.7                | 1.25-1.6               | 16.8    | 82      | 15       | 38  | BST-Exd-SSFA-M2522BR                            |
| M25 x 1.5       | 18.0-26.0       | 21                | 13.4                     | 0.0-0.7                | 1.25-1.6               | 16.8    | 82      | 15       | 38  | BST-Exd-SSFA-M2526BR                            |
| M32 x 1.5       | 23.0-34.0       | 42                | 18.9                     | 0.0-0.7                | 1.6-2.0                | 23.7    | 84      | 15       | 46  | BST-Exd-SSFA-M3234BR                            |
| M40 x 1.5       | 28.0-41.0       | 60                | 24.8                     | 0.0-0.7                | 1.8-2.5                | 31.0    | 88      | 15       | 55  | BST-Exd-SSFA-M4041BR                            |
| M50 x 1.5       | 35.2-47.0       | 80                | 30.8                     | 0.0-1.0                | 1.8-2.5                | 38.5    | 95      | 15       | 65  | BST-Exd-SSFA-M5047BR                            |
| M50 x 1.5       | 43.0-53.0       | 80                | 32.8                     | 0.0-1.0                | 1.8-2.5                | 41.1    | 95      | 15       | 65  | BST-Exd-SSFA-M5053BR                            |
| M63 x 1.5       | 45.6-59.4       | 100               | 41.6                     | 0.0-1.0                | 1.8-2.5                | 52.0    | 101     | 15       | 80  | BST-Exd-SSFA-M6359BR                            |
| M63 x 1.5       | 54.6-66.0       | 100               | 41.6                     | 0.0-1.0                | 1.8-2.5                | 52.0    | 101     | 15       | 80  | BST-Exd-SSFA-M6366BR                            |
| M75 x 1.5       | 59.0-72.0       | 120               | 52.3                     | 0.0-1.0                | 1.8-2.5                | 65.4    | 103     | 15       | 95  | BST-Exd-SSFA-M7572BR                            |
| M75 x 1.5       | 66.7-79.0       | 120               | 52.3                     | 0.0-1.0                | 1.8-2.5                | 65.4    | 103     | 15       | 95  | BST-Exd-SSFA-M7579BR                            |
| M80 x 2.0       | 65.0-80.0       | 140               | 56.4                     | 0.0-1.0                | 1.8-2.5                | 70.5    | 118     | 24       | 102 | BST-Exd-SSFA-M8080BR                            |
| M90 x 2.0       | 75.0-91.0       | 140               | 62.9                     | 0.0-1.0                | 1.8-2.5                | 78.7    | 116     | 24       | 114 | BST-Exd-SSFA-M9091BR                            |
| M100 x 2.0      | 88.0-105.0      | 200               | 70.9                     | 0.0-1.0                | 1.8-2.5                | 88.7    | 130     | 24       | 127 | BST-Exd-SSFA-M100105BR                          |
|                 |                 |                   |                          |                        |                        |         |         |          |     |                                                 |
| NPT 1/2"        | 6.0-13.0        | 6                 | 10                       | 0.0-0.7                | 0.9-1.25               | 12.5    | 66      | 19.9     | 27  | BST-Exd-SSFA-N1213BR                            |
| NPT 3/4"        | 6.0-13.0        | 6                 | 10                       | 0.0-0.7                | 0.9-1.25               | 12.5    | 66      | 19.9     | 27  | BST-Exd-SSFA-N3413BR                            |
| NPT 1/2"        | 9.5-16.0        | 6                 | 10                       | 0.0-0.7                | 0.9-1.25               | 12.5    | 66      | 19.9     | 27  | BST-Exd-SSFA-N1216BR                            |
| NPT 3/4"        | 9.5-16.0        | 6                 | 10                       | 0.0-0.7                | 0.9-1.25               | 12.5    | 66      | 19.9     | 7   | BST-Exd-SSFA-N3416BR                            |
| NPT 1/2"        | 12.5-21.0       | 10                | 9.8                      | 0.0-0.7                | 0.9-1.25               | 12.3    | 65      | 19.9     | 30  | BST-Exd-SSFA-N1221BR                            |
| NPT 3/4"        | 12.5-21.0       | 10                | 9.8                      | 0.0-0.7                | 0.9-1.25               | 12.3    | 65      | 19.9     | 30  | BST-Exd-SSFA-N3421BR                            |
| NPT 3/4"        | 14.0-22.0       | 21                | 13.4                     | 0.0-0.7                | 1.25-1.6               | 16.8    | 82      | 25.0     | 46  | BST-Exd-SSFA-N3422BR                            |
| NPT 3/4"        | 18.0-26.0       | 21                | 13.4                     | 0.0-0.7                | 1.25-1.6               | 16.8    | 82      | 20.2     | 38  | BST-Exd-SSFA-N3426BR                            |
| NPT 1"          | 14.0-22.0       | 21                | 13.4                     | 0.0-0.7                | 1.25-1.6               | 16.8    | 82      | 25.0     | 46  | BST-Exd-SSFA-N10022BR                           |
| NPT 1"          | 18.0-26.0       | 21                | 13.4                     | 0.0-0.7                | 1.25-1.6               | 16.8    | 82      | 20.2     | 38  | BST-Exd-SSFA-N10026BR                           |
| NPT 1"          | 23.0-34.0       | 42                | 19.0                     | 0.0-0.7                | 1.6-2.0                | 23.7    | 84      | 25.0     | 46  | BST-Exd-SSFA-N10034BR                           |
| NPT 1 1/4"      | 23.0-34.0       | 42                | 19.0                     | 0.0-0.7                | 1.6-2.0                | 23.7    | 84      | 25.0     | 46  | BST-Exd-SSFA-N11434BR                           |
| NPT 1 1/4"      | 28.0-41.0       | 60                | 24.8                     | 0.0-0.7                | 1.6-2.0                | 31.0    | 88      | 25.6     | 55  | BST-Exd-SSFA-N11441BR                           |
| NPT 1 1/2"      | 28.0-41.0       | 60                | 24.8                     | 0.0-0.7                | 1.6-2.0                | 31.0    | 88      | 25.6     | 55  | BST-Exd-SSFA-N11241BR                           |
| NPT 2"          | 35.2-47.0       | 80                | 30.8                     | 0.0-1.0                | 1.8-2.5                | 38.5    | 95      | 26.1     | 70  | BST-Exd-SSFA-N20047BR                           |
| NPT 2"          | 43.0-53.0       | 80                | 32.9                     | 0.0-1.0                | 1.8-2.5                | 41.1    | 95      | 26.9     | 70  | BST-Exd-SSFA-N20053BR                           |
| NPT 2 1/2"      | 43.0-53.0       | 80                | 32.9                     | 0.0-1.0                | 1.8-2.5                | 41.1    | 95      | 26.9     | 80  | BST-Exd-SSFA-N21253BR                           |
| NPT 2 1/2"      | 45.6-59.4       | 100               | 41.6                     | 0.0-1.0                | 1.8-2.5                | 52      | 101     | 26.9     | 80  | BST-Exd-SSFA-N21259BR                           |
| NPT 2 1/2"      | 54.6-66.0       | 100               | 41.6                     | 0.0-1.0                | 1.8-2.5                | 52      | 101     | 39.9     | 80  | BST-Exd-SSFA-N21266BR                           |
| NPT 3"          | 54.6-66.0       | 100               | 41.6                     | 0.0-1.0                | 1.8-2.5                | 65.4    | 101     | 39.9     | 96  | BST-Exd-SSFA-N30066BR                           |
| NPT 3"          | 59.0-72.0       | 120               | 52.3                     | 0.0-1.0                | 1.8-2.5                | 65.4    | 103     | 39.9     | 96  | BST-Exd-SSFA-N30072BR                           |
| NPT 3"          | 66.7-79.0       | 120               | 52.3                     | 0.0-1.0                | 1.8-2.5                | 65.4    | 103     | 41.5     | 96  | BST-Exd-SSFA-N30079BR                           |
| NPT 3 1/2"      | 66.7-79.0       | 120               | 52.3                     | 0.0-1.0                | 1.8-2.5                | 70.5    | 103     | 41.5     | 108 | BST-Exd-SSFA-N31279BR                           |
| NPT 3"          | 65.0-80.0       | 140               | 56.4                     | 0.0-1.0                | 1.8-2.5                | 70.5    | 118     | 41.5     | 102 | BST-Exd-SSFA-N30080BR                           |
| NPT 3 1/2"      | 65.0-80.0       | 140               | 56.4                     | 0.0-1.0                | 1.8-2.5                | 70.5    | 118     | 41.5     | 108 | BST-Exd-SSFA-N31280BR                           |
| NPT 3 1/2"      | 75.0-91.0       | 140               | 63.0                     | 0.0-1.0                | 1.8-2.5                | 78.7    | 116     | 42.8     | 114 | BST-Exd-SSFA-N31291BR                           |
| NPT 4"          | 75.0-91.0       | 140               | 63.0                     | 0.0-1.0                | 1.8-2.5                | 78.8    | 116     | 42.8     | 123 | BST-Exd-SSFA-N40091BR                           |
| NPT 3 1/2"      | 88.0-105.0      | 200               | 71.0                     | 0.0-1.0                | 1.8-2.5                | 88.7    | 130     | 42.8     | 127 | BST-Exd-SSFA-N312105BR                          |
| NPT 4"          | 88.0-105.0      | 200               | 71.0                     | 0.0-1.0                | 1.8-2.5                | 88.7    | 130     | 42.8     | 127 | BST-Exd-SSFA-N400105BR                          |

隔爆电缆固定头（铠装单密封带填料）  
Armored Single Sealing with Barrier Exd Cable Gland

在安装安装前，请仔细阅读所有说明。  
Please Read All Instructions Carefully Before Installation.

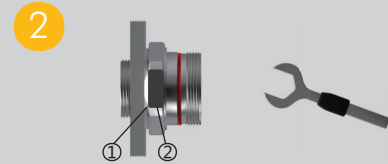


| 1 | Model | Length of<br>Armored Layer | Model | Length of<br>Armored Layer | Model | Length of<br>Armored Layer | Model  | Length of<br>Armored Layer |
|---|-------|----------------------------|-------|----------------------------|-------|----------------------------|--------|----------------------------|
|   | M1608 | 14mm                       | M2520 | 14mm                       | M5044 | 24mm                       | M7568  | 26mm                       |
|   | M2008 | 14mm                       | M3227 | 17mm                       | M6350 | 26mm                       | M8073  | 26mm                       |
|   | M2012 | 14mm                       | M4033 | 17mm                       | M6355 | 26mm                       | M9080  | 26mm                       |
|   | M2014 | 14mm                       | M5038 | 24mm                       | M7562 | 26mm                       | M10089 | 28mm                       |



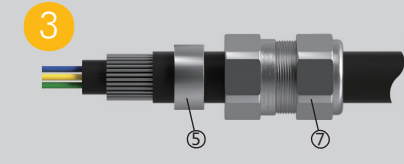
如有需要，在电缆外护套上安装护套；根据箱体大小，剥掉电缆外护套和铠装层；参考上表再剥掉部分外护套，使露出的钢丝长度“L”与上表一致。如果电缆芯上有耐油绵纸，也应该被拆除，使用绝缘胶带将芯线末端捆扎在一起。

Install sheath again on the outer sheath of cable if necessary. Strip off outer sheath and armoured layer according to enclosure box size. Strip off outer sheath again according to the parameters in the table above, make the exposed length “L” of steel wire consistent with parameters in the table. If there’s oil resistant cotton paper wrapped around cable cores, it should be removed, bundle cable cores bottom with insulated tapes finally.



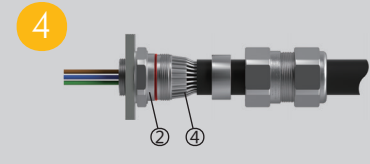
确保垫片①安装到位，将主体②拧入螺纹孔(如果箱体未加工螺纹请使用六角螺母固定)，使用扭力扳手⑧将主体②拧紧至标准安装扭力。

Guarantee that the gasket① is installed in place. Screw the body② into the thread hole. (If there is no thread in the holes, please use lock nuts to fix cable glands.) Tighten the body② by the torque spanner⑧ in terms of the standard installation torque.



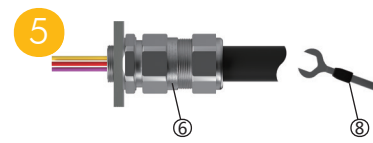
确保迫帽⑤是松开的，将电缆穿过组件“A”，上铠装环⑤。注意：电缆为最大线径时，上铠装环只能通过铠装层。

Guarantee that the sealing nut⑦ is loose, pass the cable through assembly ‘A’, top⑤ and bottom armored rings ④. Note: When the cable reach maximum diameter, the top armored ring ⑤ can only pass through the armored layer.



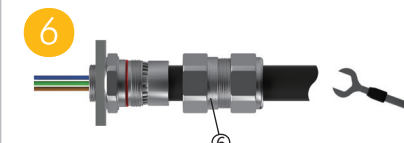
将填料筒③安装至主体②上，将电缆内护套穿过填料筒③直到铠装层与下铠装环④锥体贴合，在圆锥面周围均匀的铺上钢丝。

Install filling cylinder③ into the body②, pass cable cores through filling cylinder③ until the armored layer connect conical surface of bottom armored ring④ completely, press the steel wire evenly around the conical surface.



保持铠装层与锥面之间的接触，同时用手拧紧主体⑥直到感觉到强烈的阻力,用扳手进一步拧紧主体⑥使上下铠装环压紧钢丝。

Keep connecting between armored layer and conical surface, at the same time, tighten body⑥ until strong resistance is felt, tighten further body⑥ by the torque spanner⑧ to make the bottom and top armored rings press steel wires tightly.



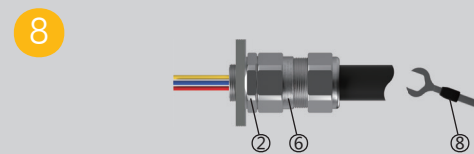
拧开主体⑥检查上下铠装环之间的铠装钢丝是否压紧。

Unscrew body⑥, check whether armored steel wires between bottom and top armored rings has pressed tightly already or not.



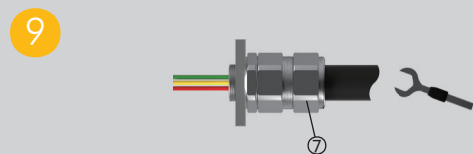
接上混合喷嘴（小型多芯电缆使用延长喷嘴），将树脂注入填料筒中③，确保树脂一直填满到填料筒的底部，擦去溢出的树脂,等待树脂从液体初步凝固。0℃环境下需要30分钟 / 10℃环境下需要15分钟 / 20℃环境下需要7分钟/30℃环境下需要5 分钟如果混合管内有树脂余留，丢弃搅拌喷嘴，将混合管盖子重新盖上面以便下次使用。

Connect mixing nozzle (extension nozzle for small multi-core cable), Inject resin into the filling cylinder③, to ensure that the resin is fully filled into the bottom of the filling cylinder, wipe off the overflow resin, wait for the resin to solidify completely. Wait 30 minutes at 0℃ / Wait 15 minutes at 10℃ / Wait 7 minutes at 20℃ / Wait 5 minutes at 30℃ If there is resin left in mixing pipe, discard mixing nozzle and cover mixing pipe again for next use.



将填料筒③塞进主体②，旋紧主体⑥，再使用扭力扳手⑧将主体⑥拧紧至标准安装扭力，达到密封和紧固效果。

Insert the filling cylinder③ into the body②, Tighten the body⑥ by the spanner⑧ to standard installation torque, make body clamp the filling cylinder tightly to achieve good sealing and fastening effect.



拧紧迫紧螺母⑦使密封件与电缆外护套接触，达到额外的密封和紧固效果。

Tighten sealing nut⑦ to make connection between seal and outer sheath of cable,to achieve good additional sealing and fastening effects.

隔爆电缆固定头（铠装单密封双锁紧带填料）  
Armored Single Sealing Double-locking with Barrier Exd Cable Gland



➔ BST-Exd-SFAC系列 Series

|                                         |                                                                                                                                                                                                                                                                      |
|-----------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 设计规范 Design Specification:              | IEC62444,EN62444                                                                                                                                                                                                                                                     |
| 符合标准 Standards:                         | IEC 60079-0,IEC 60079-1,IEC 60079-7,IEC 60079-15,IEC 60079-31;<br>EN 60079-0,EN 60079-1,EN 60079-7,EN 60079-15,EN 60079-31<br>GB/T 3836.1、GB/T 3836.2、GB/T 3836.3、GB/T 3836.31<br>适用于气体1、2区；粉尘20、21、22区<br>Suitable for Gas Zones 1 and 2; Dust Zones 20, 21, and 22 |
| 适用范围 Application Scope:                 | 单线钢丝铠装、铝线铠装、钢带铠装、编织铠装、铝带铠装、柔性线铠装、软屏蔽、线编织等铠装电缆                                                                                                                                                                                                                        |
| 适用电缆类型 Cable Type:                      | Single Wire Armoured Cable, Aluminum Wire Armoured Cable, Steel-tape Armoured Cable, Braided Armoured Cable, Aluminum-tape Armoured Cable, Flexible Wire Armoured Cable, Soft-Shielding Armoured Cable, Braided Armoured Cable and etc.                              |
| 工作温度 Operating Temperature:             | -60℃-130℃                                                                                                                                                                                                                                                            |
| 认证测试温度 Certificate Testing Temperature: | -65℃-150℃                                                                                                                                                                                                                                                            |
| 进线处防护等级 IP Rating:                      | IP66/IP68(10m 8h)                                                                                                                                                                                                                                                    |



| 认证证书 Authentication Certificate |                                                                                                                            |                                      |                                                |
|---------------------------------|----------------------------------------------------------------------------------------------------------------------------|--------------------------------------|------------------------------------------------|
| 认证类别 Certificate Type           | 防护类别代码 Ex-Mark                                                                                                             | 认证类别 Certificate Type                | 防护类别代码 Ex-Mark                                 |
| IECEx证书 Certificate             | Ex db IIC Gb<br>Ex eb IIC Gb<br>Ex nR IIC Gc<br>Ex ta IIIC Da IP66/IP68<br>Ex db I Mb<br>Ex eb I Mb                        | CCC证书 Certificate                    | Ex db IIC Gb<br>Ex eb IIC Gb<br>Ex tb IIIC Db  |
| ATEX证书 Certificate              | I M2 Ex db I Mb/Ex eb I Mb<br>II 2 G Ex db II C Gb/Ex eb II C Gb<br>II 1 D Ex ta IIIC Da IP66/IP68<br>II 3 G Ex nR II C Gc | 防爆合格证<br>Explosion-proof Certificate | Ex db II C Gb/Ex tb IIIC Db<br>IP66/68(10m.8h) |

| 技术数据 Technical Data |                                                                                 |
|---------------------|---------------------------------------------------------------------------------|
| 螺纹规格 Thread Size    | M16-M100、NPT 1/2"-NPT 4"                                                        |
| 材质 Material         | 黄铜镀镍、不锈钢 Nickel-plated Brass, Stainless Steel (304, 316, 316L)                  |
| 拉力测试 Tensile Test   | 承重测试直径20倍（100%拉力） Load-bearing Test: 20 Times The Diameter (100% Tensile Force) |
| 静压 Hydrostatic Test | 静压测试 Hydrostatic Test 30bar                                                     |

| 产品FAB The FAB of the Product |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 特点 Feature                   | 防呆结构设计 Foolproof structural design.<br>同一种规格型号，统一的扳手位尺寸 The same specification and model, unified wrench position size.<br>可承重电缆直径20倍100%拉力 Can bear 20 times the cable diameter 100% tension.<br>静压可承受30bar压力 Static pressure can withstand 30bar pressure.                                                                                                                                                                                                                                                                                                     |
| 优点 Advantage                 | 产品规格齐全 The product comes in a wide range of specifications (M16-M100、NPT1/2"~NPT4")<br>证书齐全：IECEx、ATEX、CCC、防爆合格证<br>Complete certificates: IECEx, ATEX, CCC, explosion-proof certificate.<br>可正常应用在-60℃的极低温区域 It can be normally used in extremely low - temperature areas of - 60℃.<br>可正常应用在+130℃的极高温区域 It can be normally used in extremely high - temperature areas of + 130℃.<br>实验测试温度：-65℃~+150℃ The experimental test temperature ranges from - 65℃ to +150℃.<br>可在水下10米,正常使用8小时 It can be used normally underwater at a depth of 10 meters for 8 hours. |
| 价值 Benefit                   | 可带挠线管结构的隔爆电缆固定头自带活接头功能，降低采购成本，客户可不再采购防爆活接头，同时现场施工可提高20%效率<br>The explosion-proof cable gland with flexible pipe structure has a self-contained flexible joint function, which reduces the procurement cost. Customers no longer need to purchase explosion-proof flexible cable gland.<br>At the same time, the on-site construction efficiency can be increased by 20%.<br>产品适用于冷流型电缆，具有防冷流功能<br>The product is suitable for cold flow type cables and has anti-cold flow function.                                                                             |



隔爆电缆固定头（铠装单密封双锁紧带填料）  
Armored Single Sealing Double-locking with Barrier Exd Cable Gland

➔ BST-Exd-SFAC系列 Series



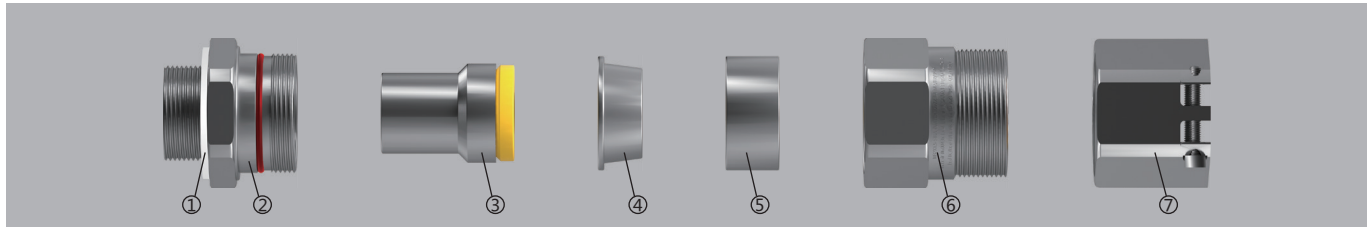
| 规格 Specs<br>ØD1 | O.D.of<br>Cable | Cable<br>Core Qty | Max.Dia.of<br>Over Cores | Armoured<br>Range Min. | Armoured<br>Range Max. | E<br>mm | H<br>mm | GL<br>mm | mm  | 订货号 Order no<br>(BR-黄铜镀镍、SS-304、SA-316、SB-316L) |
|-----------------|-----------------|-------------------|--------------------------|------------------------|------------------------|---------|---------|----------|-----|-------------------------------------------------|
| M16 x 1.5       | 6.0-13.0        | 6                 | 6.8                      | 0.0-0.7                | 0.9-1.25               | 8.5     | 77      | 15       | 27  | BST-Exd-SFAC-M1613BR                            |
| M20 x 1.5       | 6.0-13.0        | 6                 | 10                       | 0.0-0.7                | 0.9-1.25               | 12.5    | 74      | 15       | 27  | BST-Exd-SFAC-M2013BR                            |
| M20 x 1.5       | 9.5-16.0        | 6                 | 10                       | 0.0-0.7                | 0.9-1.25               | 12.5    | 74      | 15       | 27  | BST-Exd-SFAC-M2016BR                            |
| M20 x 1.5       | 12.5-21.0       | 10                | 9.8                      | 0.0-0.7                | 0.9-1.25               | 12.3    | 73      | 15       | 30  | BST-Exd-SFAC-M2021BR                            |
| M25 x 1.5       | 14.0-22.0       | 21                | 13.4                     | 0.0-0.7                | 1.25-1.6               | 16.8    | 92      | 15       | 30  | BST-Exd-SFAC-M2522BR                            |
| M25 x 1.5       | 18.0-26.0       | 21                | 13.4                     | 0.0-0.7                | 1.25-1.6               | 16.8    | 92      | 15       | 38  | BST-Exd-SFAC-M2526BR                            |
| M32 x 1.5       | 23.0-34.0       | 42                | 18.9                     | 0.0-0.7                | 1.6-2.0                | 23.7    | 94      | 15       | 46  | BST-Exd-SFAC-M3234BR                            |
| M40 x 1.5       | 28.0-41.0       | 60                | 24.8                     | 0.0-0.7                | 1.8-2.5                | 31.0    | 98      | 15       | 55  | BST-Exd-SFAC-M4041BR                            |
| M50 x 1.5       | 35.2-47.0       | 80                | 30.8                     | 0.0-1.0                | 1.8-2.5                | 38.5    | 105     | 15       | 65  | BST-Exd-SFAC-M5047BR                            |
| M50 x 1.5       | 43.0-53.0       | 80                | 32.8                     | 0.0-1.0                | 1.8-2.5                | 41.1    | 105     | 15       | 65  | BST-Exd-SFAC-M5053BR                            |
| M63 x 1.5       | 45.6-59.4       | 100               | 41.6                     | 0.0-1.0                | 1.8-2.5                | 52.0    | 111     | 15       | 80  | BST-Exd-SFAC-M6359BR                            |
| M63 x 1.5       | 54.6-66.0       | 100               | 41.6                     | 0.0-1.0                | 1.8-2.5                | 52.0    | 111     | 15       | 80  | BST-Exd-SFAC-M6366BR                            |
| M75 x 1.5       | 59.0-72.0       | 120               | 52.3                     | 0.0-1.0                | 1.8-2.5                | 65.4    | 115     | 15       | 95  | BST-Exd-SFAC-M7572BR                            |
| M75 x 1.5       | 66.7-79.0       | 120               | 52.3                     | 0.0-1.0                | 1.8-2.5                | 65.4    | 115     | 15       | 95  | BST-Exd-SFAC-M7579BR                            |
| M80 x 2.0       | 65.0-80.0       | 140               | 56.4                     | 0.0-1.0                | 1.8-2.5                | 70.5    | 130     | 24       | 102 | BST-Exd-SFAC-M8080BR                            |
| M90 x 2.0       | 75.0-91.0       | 140               | 62.9                     | 0.0-1.0                | 1.8-2.5                | 78.7    | 128     | 24       | 114 | BST-Exd-SFAC-M9091BR                            |
| M100 x 2.0      | 88.0-105.0      | 200               | 70.9                     | 0.0-1.0                | 1.8-2.5                | 88.7    | 142     | 24       | 127 | BST-Exd-SFAC-M100105BR                          |
|                 |                 |                   |                          |                        |                        |         |         |          |     |                                                 |
| NPT 1/2"        | 6.0-13.0        | 6                 | 10                       | 0.0-0.7                | 0.9-1.25               | 12.5    | 74      | 19.9     | 27  | BST-Exd-SFAC-N1213BR                            |
| NPT 3/4"        | 6.0-13.0        | 6                 | 10                       | 0.0-0.7                | 0.9-1.25               | 12.5    | 74      | 19.9     | 27  | BST-Exd-SFAC-N3413BR                            |
| NPT 1/2"        | 9.5-16.0        | 6                 | 10                       | 0.0-0.7                | 0.9-1.25               | 12.5    | 74      | 19.9     | 27  | BST-Exd-SFAC-N1216BR                            |
| NPT 3/4"        | 9.5-16.0        | 6                 | 10                       | 0.0-0.7                | 0.9-1.25               | 12.5    | 74      | 19.9     | 7   | BST-Exd-SFAC-N3416BR                            |
| NPT 1/2"        | 12.5-21.0       | 10                | 9.8                      | 0.0-0.7                | 0.9-1.25               | 12.3    | 73      | 19.9     | 30  | BST-Exd-SFAC-N1221BR                            |
| NPT 3/4"        | 12.5-21.0       | 10                | 9.8                      | 0.0-0.7                | 0.9-1.25               | 12.3    | 73      | 19.9     | 30  | BST-Exd-SFAC-N3421BR                            |
| NPT 3/4"        | 14.0-22.0       | 21                | 13.4                     | 0.0-0.7                | 1.25-1.6               | 16.8    | 92      | 20.2     | 38  | BST-Exd-SFAC-N3422BR                            |
| NPT 3/4"        | 18.0-26.0       | 21                | 13.4                     | 0.0-0.7                | 1.25-1.6               | 16.8    | 92      | 20.2     | 38  | BST-Exd-SFAC-N3426BR                            |
| NPT 1"          | 14.0-22.0       | 21                | 13.4                     | 0.0-0.7                | 1.25-1.6               | 16.8    | 92      | 20.2     | 38  | BST-Exd-SFAC-N10022BR                           |
| NPT 1"          | 18.0-26.0       | 21                | 13.4                     | 0.0-0.7                | 1.25-1.6               | 16.8    | 92      | 20.2     | 38  | BST-Exd-SFAC-N10026BR                           |
| NPT 1"          | 23.0-34.0       | 42                | 19.0                     | 0.0-0.7                | 1.6-2.0                | 23.7    | 94      | 25.0     | 46  | BST-Exd-SFAC-N10034BR                           |
| NPT 1 1/4"      | 23.0-34.0       | 42                | 19.0                     | 0.0-0.7                | 1.6-2.0                | 23.7    | 94      | 25.0     | 46  | BST-Exd-SFAC-N11434BR                           |
| NPT 1 1/4"      | 28.0-41.0       | 60                | 24.8                     | 0.0-0.7                | 1.6-2.0                | 31.0    | 98      | 25.6     | 55  | BST-Exd-SFAC-N11441BR                           |
| NPT 1 1/2"      | 28.0-41.0       | 60                | 24.8                     | 0.0-0.7                | 1.6-2.0                | 31.0    | 98      | 25.6     | 55  | BST-Exd-SFAC-N11241BR                           |
| NPT 2"          | 35.2-47.0       | 80                | 30.8                     | 0.0-1.0                | 1.8-2.5                | 38.5    | 105     | 26.1     | 70  | BST-Exd-SFAC-N20047BR                           |
| NPT 2"          | 43.0-53.0       | 80                | 32.9                     | 0.0-1.0                | 1.8-2.5                | 41.1    | 105     | 26.9     | 70  | BST-Exd-SFAC-N20053BR                           |
| NPT 2 1/2"      | 43.0-53.0       | 80                | 32.9                     | 0.0-1.0                | 1.8-2.5                | 41.1    | 105     | 26.9     | 80  | BST-Exd-SFAC-N21253BR                           |
| NPT 2 1/2"      | 45.6-59.4       | 100               | 41.6                     | 0.0-1.0                | 1.8-2.5                | 52      | 111     | 26.9     | 80  | BST-Exd-SFAC-N21259BR                           |
| NPT 2 1/2"      | 54.6-66.0       | 100               | 41.6                     | 0.0-1.0                | 1.8-2.5                | 52      | 111     | 39.9     | 80  | BST-Exd-SFAC-N21266BR                           |
| NPT 3"          | 54.6-66.0       | 100               | 41.6                     | 0.0-1.0                | 1.8-2.5                | 65.4    | 111     | 39.9     | 96  | BST-Exd-SFAC-N30066BR                           |
| NPT 3"          | 59.0-72.0       | 120               | 52.3                     | 0.0-1.0                | 1.8-2.5                | 65.4    | 115     | 39.9     | 96  | BST-Exd-SFAC-N30072BR                           |
| NPT 3"          | 66.7-79.0       | 120               | 52.3                     | 0.0-1.0                | 1.8-2.5                | 65.4    | 115     | 41.5     | 96  | BST-Exd-SFAC-N30079BR                           |
| NPT 3 1/2"      | 66.7-79.0       | 120               | 52.3                     | 0.0-1.0                | 1.8-2.5                | 70.5    | 115     | 41.5     | 108 | BST-Exd-SFAC-N31279BR                           |
| NPT 3"          | 65.0-80.0       | 140               | 56.4                     | 0.0-1.0                | 1.8-2.5                | 70.5    | 130     | 41.5     | 102 | BST-Exd-SFAC-N30080BR                           |
| NPT 3 1/2"      | 65.0-80.0       | 140               | 56.4                     | 0.0-1.0                | 1.8-2.5                | 70.5    | 130     | 41.5     | 108 | BST-Exd-SFAC-N31280BR                           |
| NPT 3 1/2"      | 75.0-91.0       | 140               | 63.0                     | 0.0-1.0                | 1.8-2.5                | 78.7    | 128     | 42.8     | 114 | BST-Exd-SFAC-N31291BR                           |
| NPT 4"          | 75.0-91.0       | 140               | 63.0                     | 0.0-1.0                | 1.8-2.5                | 78.8    | 128     | 42.8     | 123 | BST-Exd-SFAC-N40091BR                           |
| NPT 3 1/2"      | 88.0-105.0      | 200               | 71.0                     | 0.0-1.0                | 1.8-2.5                | 88.7    | 142     | 42.8     | 127 | BST-Exd-SFAC-N312105BR                          |
| NPT 4"          | 88.0-105.0      | 200               | 71.0                     | 0.0-1.0                | 1.8-2.5                | 88.7    | 142     | 42.8     | 127 | BST-Exd-SFAC-N400105BR                          |



隔爆电缆固定头（铠装单密封双锁紧带填料）安装作业指导书  
 Armored Single Sealing Double-locking with Barrier Exd Cable Gland Installation Instructions



在安装安装前，请仔细阅读所有说明。  
 Please Read All Instructions Carefully Before Installation.



|   |       |                         |       |                         |       |                         |        |                         |
|---|-------|-------------------------|-------|-------------------------|-------|-------------------------|--------|-------------------------|
| 1 | Model | Length of Armored Layer | Model | Length of Armored Layer | Model | Length of Armored Layer | Model  | Length of Armored Layer |
|   | M1608 | 14mm                    | M2520 | 14mm                    | M5044 | 24mm                    | M7568  | 26mm                    |
|   | M2008 | 14mm                    | M3227 | 17mm                    | M6350 | 26mm                    | M8073  | 26mm                    |
|   | M2012 | 14mm                    | M4033 | 17mm                    | M6355 | 26mm                    | M9080  | 26mm                    |
|   | M2014 | 14mm                    | M5038 | 24mm                    | M7562 | 26mm                    | M10089 | 28mm                    |

如有需要，在电缆外护层上安装护套；根据箱体大小，剥掉电缆外护层和铠装层；参考上表再剥掉部分外护层，使露出的钢丝长度“L”与上表一致。如果电缆芯上有耐油绵纸，也应该被拆除，使用绝缘胶带将芯线末端捆扎在一起。

Install sheath again on the outer sheath of cable if necessary. Strip off outer sheath and armoured layer according to enclosure box size. Strip off outer sheath again according to the parameters in the table above, make the exposed length “L” of steel wire consistent with parameters in the table. If there’s oil resistant cotton paper wrapped around cable cores, it should be removed, bundle cable cores bottom with insulated tapes finally.

2

确保垫片①安装到位，将主体②拧入螺纹孔(如果箱体未加工螺纹请使用六角螺母固定)，使用扭力扳手⑧将主体②拧紧至标准安装扭力。

Guarantee that the gasket① is installed in place. Screw the body② into the thread hole. (If there is no thread in the holes, please use lock nuts to fix cable glands.) Tighten the body② by the torque spanner⑧ in terms of the standard installation torque.

3

确保迫帽⑦是松开的，将电缆穿过组件“A”，上铠装环⑤。注意：电缆为最大线径时，上铠装环只能通过铠装层。

Guarantee that the sealing nut⑦ is loose, pass the cable through assembly “A”, top⑤ and bottom armored rings ④. Note: When the cable reach maximum diameter, the top armored ring ⑤ can only pass through the armored layer.

4

将填料筒③安装至主体②上，将电缆内护层穿过填料筒③直到铠装层与下铠装环④锥体贴合，在圆锥面周围均匀的铺上钢丝。

Install filling cylinder③ into the body②, pass cable cores through filling cylinder③ until the armored layer connect conical surface of bottom armored ring④ completely, press the steel wire evenly around the conical surface.

5

保持铠装层与锥面之间的接触，同时用手拧紧主体⑥直到感觉到强烈的阻力,用扳手进一步拧紧主体⑥使上下铠装环压紧钢丝。

Keep connecting between armored layer and conical surface, at the same time, tighten body⑥ until strong resistance is felt, tighten further body⑥ by the torque spanner⑧ to make the bottom and top armored rings press steel wires tightly.

6

拧开主体⑥检查上下铠装环之间的铠装钢丝是否压紧。

Unscrew body⑥, check whether armored steel wires between bottom and top armored rings has pressed tightly already or not.

7

接上混合喷嘴（小型多芯电缆使用延长喷嘴），将树脂注入填料筒中③，确保树脂一直填满到填料筒的底部，擦去溢出的树脂,等待树脂从液体初步凝固。0℃环境下需要30分钟 / 10℃环境下需要15分钟 / 20℃环境下需要7分钟/30℃环境下需要5 分钟如果混合管内有树脂余留，丢弃搅拌喷嘴，将混合管盖子重新盖上以便下次使用。

Connect mixing nozzle (extension nozzle for small multi-core cable), Inject resin into the filling cylinder③, to ensure that the resin is fully filled into the bottom of the filling cylinder, wipe off the overflow resin, wait for the resin to solidify completely. Wait 30 minutes at 0℃ / Wait 15 minutes at 10℃ / Wait 7 minutes at 20℃ / Wait 5 minutes at 30℃If there is resin left in mixing pipe, discard mixing nozzle and cover mixing pipe again for next use.

8

将填料筒③塞进主体②，旋紧主体⑥，再使用扭力扳手⑧将主体⑥拧紧至标准安装扭力，达到密封和紧固效果。

Insert the filling cylinder③ into the body②, Tighten the body⑥ by the spanner⑧ to standard installation torque, make body clamp the filling cylinder tightly to achieve good sealing and fastening effect.

9

拧紧迫紧螺母⑦使密封件与电缆外护层接触，达到额外的密封和紧固效果。

Tighten sealing nut⑦ to make connection between seal and outer sheath of cable,to achieve good additional sealing and fastening effects.

10

将螺栓旋紧,对电缆外护层达到更高级别的电缆锁紧力。

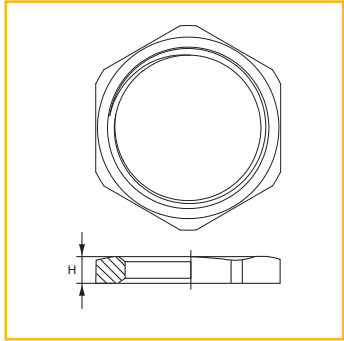
Tighten bolts to achieve higher-level locking effects of cable sheath.

金属六角螺母  
 Metal LockNuts

→ M



材料 Material: 黄铜镀镍 Nickel-plated Brass  
 工作温度 Operating Temperature: -60℃ to 200℃



订货数据 Ordering Data

| 规格 Specs<br>øD1 | H<br>mm | mm  | 订货号 Order no |
|-----------------|---------|-----|--------------|
| M16 x 1.5       | 2.8     | 19  | M16BR-LN     |
| M20 x 1.5       | 3       | 23  | M20BR-LN     |
| M25 x 1.5       | 3.5     | 29  | M25BR-LN     |
| M32 x 1.5       | 4       | 36  | M32BR-LN     |
| M40 x 1.5       | 4.5     | 45  | M40BR-LN     |
| M50 x 1.5       | 5.5     | 55  | M50BR-LN     |
| M63 x 1.5       | 6       | 70  | M63BR-LN     |
| M75 x 1.5       | 8       | 80  | M75BR-LN     |
| M80 x 1.5       | 8       | 95  | M80BR-LN     |
| M90 x 1.5       | 9       | 95  | M90BR-LN     |
| M100 x 1.5      | 11      | 123 | M100BR-LN    |



硅胶垫片  
Silicone Rubber Gasket



→ M/PG/NPT

IEC

Ex

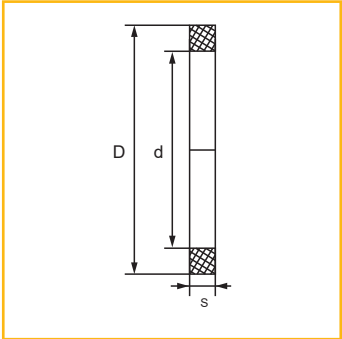
ATEX

CCC

RoHS

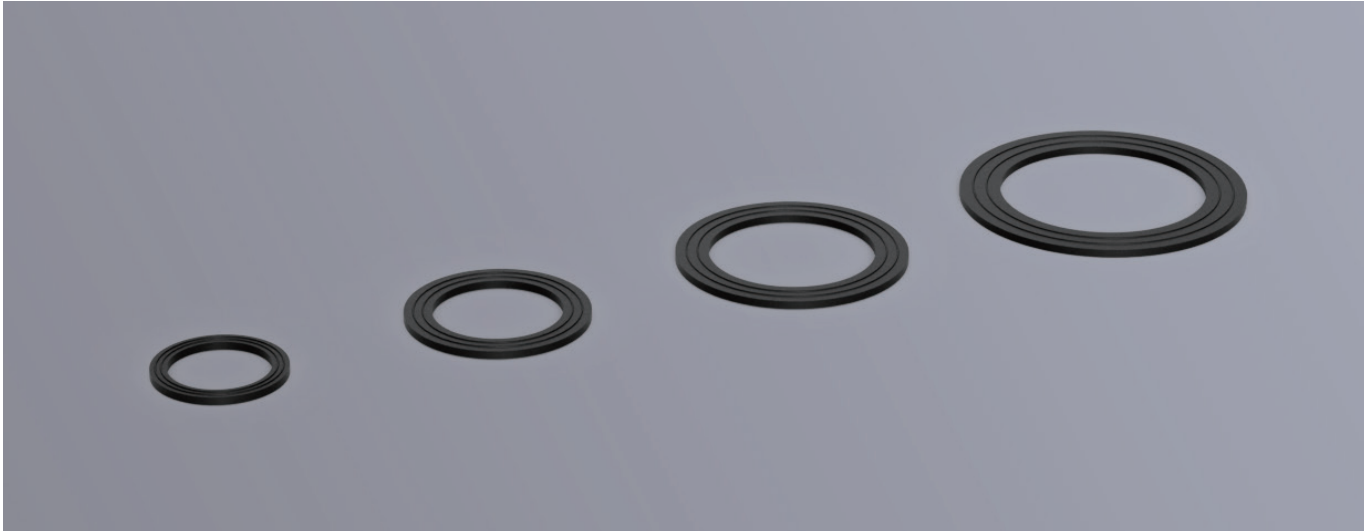
REACH

材料 Material: 硅橡胶 Silicone Rubber  
工作温度 Operating Temperature: -60℃ to 130℃  
颜色种类 Color: 白色 White



订货数据 Ordering Data

| 规格 Specs<br>ØD1 | d<br>mm | D<br>mm | s<br>mm | 订货号 Order no |
|-----------------|---------|---------|---------|--------------|
| M12 x 1.5       | 10.2    | 15      | 1.8     | M12SI-W      |
| M16 x 1.5       | 14      | 22      | 1.8     | M16SI-W      |
| M20 x 1.5       | 18      | 24      | 1.8     | M20SI-W      |
| M25 x 1.5       | 23      | 33      | 1.8     | M25SI-W      |
| M32 x 1.5       | 30      | 42      | 1.8     | M32SI-W      |
| M40 x 1.5       | 38      | 53      | 1.8     | M40SI-W      |
| M50 x 1.5       | 48      | 60      | 1.8     | M50SI-W      |
| M63 x 1.5       | 61      | 68      | 1.8     | M63SI-W      |
| M75 x 1.5       | 71.8    | 82      | 2.5     | M75SI-W      |
|                 |         |         |         |              |
| PG7             | 11.1    | 15      | 1.8     | P07SI-W      |
| PG9             | 14      | 22      | 1.8     | P09SI-W      |
| PG11            | 16.8    | 22      | 1.8     | P11SI-W      |
| PG13.5          | 19      | 24      | 1.7     | P13SI-W      |
| PG16            | 21      | 27      | 1.8     | P16SI-W      |
| PG21            | 26.6    | 33      | 1.8     | P21SI-W      |
| PG29            | 35.3    | 42      | 1.8     | P29SI-W      |
| PG36            | 44.8    | 53      | 1.8     | P36SI-W      |
| PG42            | 51.8    | 60      | 1.8     | P42SI-W      |
| PG48            | 57      | 65      | 1.8     | P48SI-W      |
|                 |         |         |         |              |
| NPT 3/8"        | 14      | 22      | 1.8     | N38SI-W      |
| NPT 1/2"        | 18      | 24      | 1.8     | N12SI-W      |
| NPT 3/4"        | 23      | 33      | 1.8     | N34SI-W      |
| NPT 1"          | 30      | 42      | 1.8     | N100SI-W     |
| NPT 1 1/4"      | 38      | 53      | 1.8     | N114SI-W     |
| NPT 1 1/2"      | 44.8    | 53      | 1.8     | N112SI-W     |



PTFE垫片  
PTFE Gasket

→ M/NPT

IEC

Ex

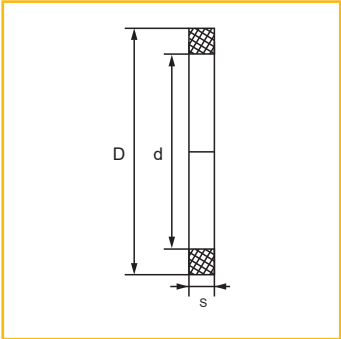
ATEX

CCC

RoHS

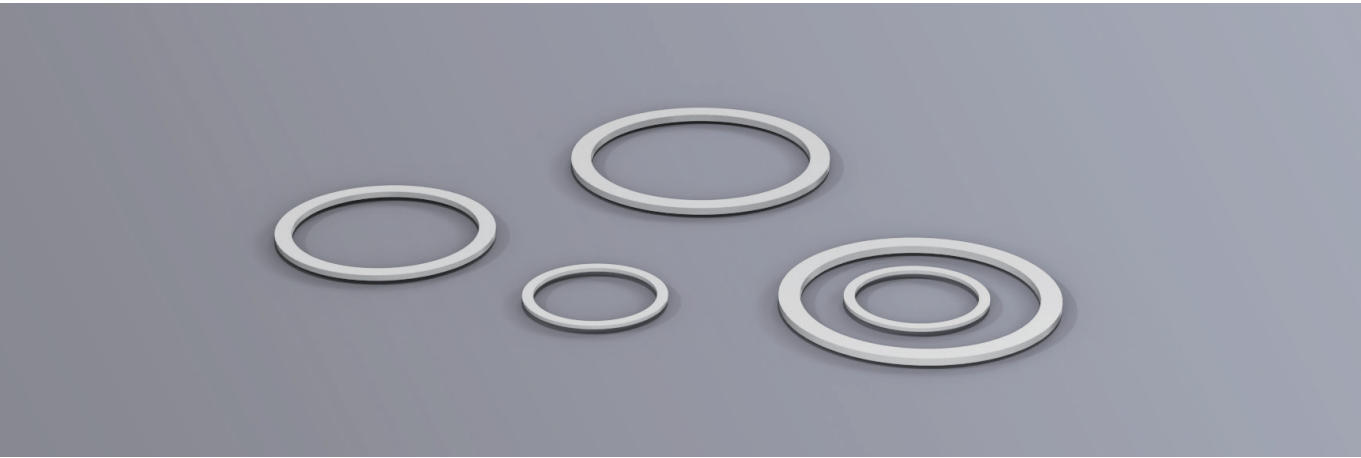
REACH

材料 Material: 高稳定性尼龙材料 High Stability Nylon Material  
工作温度 Operating Temperature: -180℃ to 260℃  
颜色种类 Color: 白色 White



订货数据 Ordering Data

| 规格 Specs<br>ØD1 | d<br>mm | D<br>mm | s<br>mm | 订货号 Order no |
|-----------------|---------|---------|---------|--------------|
| M16 x 1.5       | 15.4    | 23      | 2       | M16PT-W      |
| M20 x 1.5       | 19.4    | 24      | 2       | M20SPT-W     |
| M20 x 1.5       | 19.4    | 26.5    | 2       | M20BPT-W     |
| M25 x 1.5       | 24.4    | 35      | 2       | M25PT-W      |
| M32 x 1.5       | 31.4    | 42      | 2       | M32PT-W      |
| M40 x 1.5       | 39.4    | 49      | 2       | M40PT-W      |
| M50 x 1.5       | 49.4    | 54      | 2       | M50SPT-W     |
| M50 x 1.5       | 49.4    | 59      | 2       | M50BPT-W     |
| M63 x 1.5       | 62.4    | 74      | 2       | M63PT-W      |
| M75 x 1.5       | 74.4    | 89      | 2       | M75PT-W      |
| M80 x 2.0       | 79.4    | 95      | 2       | M80PT-W      |
| M90 x 2.0       | 89.4    | 107     | 2       | M90PT-W      |
| M100 x 2.0      | 99.4    | 122     | 2       | M100PT-W     |
|                 |         |         |         |              |
| NPT 1/2"        | 20.7    | 24      | 2       | N12SPT-W     |
| NPT 1/2"        | 20.7    | 27      | 2       | N12BPT-W     |
| NPT 3/4"        | 26.1    | 27      | 2       | N34SPT-W     |
| NPT 3/4"        | 26.1    | 36      | 2       | N34BPT-W     |
| NPT 1"          | 32.8    | 36      | 2       | N100SPT-W    |
| NPT 1"          | 32.8    | 43      | 2       | N100BPT-W    |
| NPT 1 1/4"      | 41.6    | 43      | 2       | N114SPT-W    |
| NPT 1 1/4"      | 41.6    | 50      | 2       | N114BPT-W    |
| NPT 1 1/2"      | 47.7    | 50      | 2       | N112PT-W     |
| NPT 2"          | 59.7    | 70      | 2       | N200PT-W     |
| NPT 2 1/2"      | 72.4    | 80      | 2       | N212PT-W     |
| NPT 3"          | 88.3    | 96      | 2       | N300PT-W     |
| NPT 3 1/2"      | 101     | 108     | 2       | N312SPT-W    |
| NPT 3 1/2"      | 101     | 123     | 2       | N312BPT-W    |
| NPT 4"          | 113.1   | 123     | 2       | N400PT-W     |





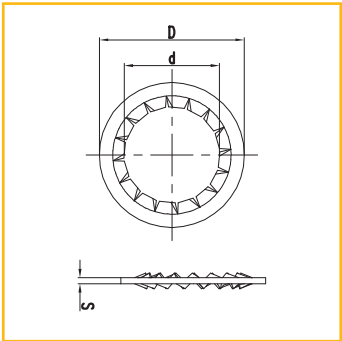
防震垫片  
Anti-vibration Gasket



→ M/NPT



材料 Material: 不锈钢 Stainless Steel  
工作温度 Operating Temperature: -70℃ to 200℃



订货数据 Ordering Data

| 规格 Specs<br>ØD1 | d<br>mm | D<br>mm | s<br>mm | 订货号 Order no |
|-----------------|---------|---------|---------|--------------|
| M16 x 1.5       | 16      | 24      | 1.2     | M16SS-SW     |
| M20 x 1.5       | 20      | 30      | 1.5     | M20SS-SW     |
| M25 x 1.5       | 25      | 36      | 1.5     | M25SS-SW     |
| M32 x 1.5       | 32      | 43      | 1.5     | M32SS-SW     |
| M40 x 1.5       | 40      | 50      | 1.5     | M40SS-SW     |
| M50 x 1.5       | 50      | 60      | 1.5     | M50SS-SW     |
| M63 x 1.5       | 63      | 75      | 1.5     | M63SS-SW     |
| M75 x 1.5       | 75      | 90      | 1.5     | M75SS-SW     |
| M80 x 2.0       | 80      | 96      | 1.5     | M80SS-SW     |
| M90 x 2.0       | 90      | 108     | 1.5     | M90SS-SW     |
| M100 x 2.0      | 100     | 123     | 1.5     | M100SS-SW    |
|                 |         |         |         |              |
| NPT 1/2"        | 22      | 30      | 1.5     | N12SS-SW     |
| NPT 3/4"        | 27      | 36      | 1.5     | N34SS-SW     |
| NPT 1"          | 33      | 43      | 1.5     | N100SS-SW    |
| NPT 1 1/4"      | 43      | 55      | 1.5     | N114SS-SW    |
| NPT 1 1/2"      | 49      | 60      | 1.5     | N112SS-SW    |
| NPT 2"          | 61      | 75      | 1.5     | N200SS-SW    |
| NPT 2 1/2"      | 74      | 90      | 1.5     | N212SS-SW    |
| NPT 3"          | 89      | 100     | 1.5     | N300SS-SW    |
| NPT 3 1/2"      | 102     | 123     | 1.5     | N312SS-SW    |
| NPT 4"          | 114     | 130     | 1.5     | N400SS-SW    |



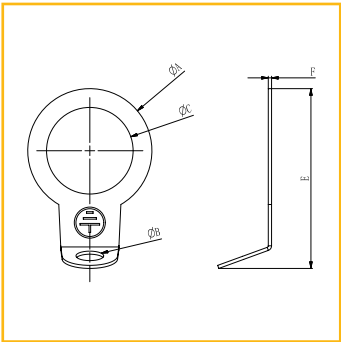
接地片  
Earth Tags



→ M/NPT



材料 Material: 黄铜 Brass  
工作温度 Operating Temperature: -70℃ to 150℃  
可选材料 Material Options: 黄铜、不锈钢 Brass, Stainless Steel

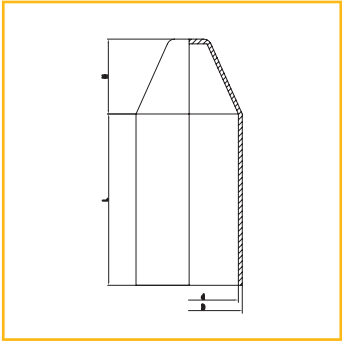


订货数据 Ordering Data

| 规格 Specs<br>ØD1 | Inner hole<br>A | Thread hole<br>B | Outer diameter<br>C | Length<br>E | Thickness<br>F | 订货号 Order no |
|-----------------|-----------------|------------------|---------------------|-------------|----------------|--------------|
| M16 x 1.5       | 16              | 6.5              | 25                  | 50.3        | 1              | M16BR-ET     |
| M20 x 1.5       | 20              | 6.5              | 27                  | 52.3        | 1              | M20BR-ET     |
| M25 x 1.5       | 25              | 6.5              | 35                  | 59.2        | 1              | M25BR-ET     |
| M32 x 1.5       | 32              | 12.5             | 45                  | 77          | 1.2            | M32BR-ET     |
| M40 x 1.5       | 40              | 12.5             | 54                  | 88.6        | 1.2            | M40BR-ET     |
| M50 x 1.5       | 50              | 12.5             | 65                  | 111.3       | 1.2            | M50BR-ET     |
| M63 x 1.5       | 63              | 12.5             | 83                  | 128.8       | 1.2            | M63BR-ET     |
| M75 x 1.5       | 75              | 12.5             | 96                  | 141.5       | 1.2            | M75BR-ET     |
| M80 x 2.0       | 80              | 12.5             | 102                 | 150         | 1.2            | M80BR-ET     |
| M90 x 2.0       | 90              | 12.5             | 114                 | 161         | 1.2            | M90BR-ET     |
| M100 x 2.0      | 100             | 12.5             | 125                 | 194.8       | 1.2            | M100BR-ET    |
|                 |                 |                  |                     |             |                |              |
| NPT 1/2"        | 22              | 6.5              | 27                  | 52.8        | 1              | N12BR-ET     |
| NPT 3/4"        | 27              | 6.5              | 35                  | 59.2        | 1              | N34BR-ET     |
| NPT 1"          | 33              | 6.5              | 45                  | 77          | 1              | N100BR-ET    |
| NPT 1 1/4"      | 43              | 12.5             | 54                  | 88.6        | 1.2            | N114BR-ET    |
| NPT 1 1/2"      | 49              | 12.5             | 65                  | 111.3       | 1.2            | N112BR-ET    |
| NPT 2"          | 61              | 12.5             | 83                  | 128.8       | 1.2            | N200BR-ET    |
| NPT 2 1/2"      | 74              | 12.5             | 96                  | 141.5       | 1.2            | N212BR-ET    |
| NPT 3"          | 89              | 12.5             | 114                 | 161         | 1.2            | N300BR-ET    |
| NPT 3 1/2"      | 102             | 12.5             | 125                 | 194.8       | 1.2            | N312BR-ET    |
| NPT 4"          | 114             | 12.5             | 140                 | 207         | 1.2            | N400BR-ET    |

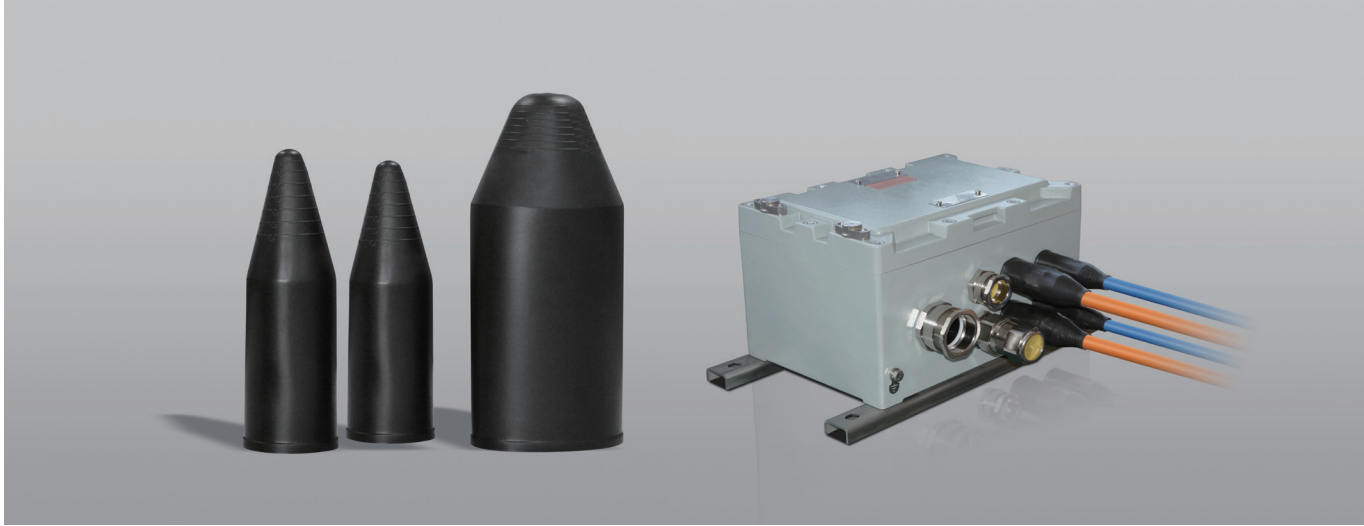


材料 Material: PVC  
工作温度 Operating Temperature: -60℃ to 90℃  
可选材料 Material Options: EPDM, Flame Retardant EPDM



订货数据 Ordering Data

| 规格 Specs<br>ØD1 | Inner hole<br>d | Outer diameter<br>D | Straight height<br>L | Conical height<br>H | 订货号 Order no |
|-----------------|-----------------|---------------------|----------------------|---------------------|--------------|
| φ29.5           | 29.5            | 33.5                | 69                   | 38                  | φ29.5PVC-PB  |
| φ32.5           | 32.5            | 36.5                | 68                   | 45                  | φ32.5PVC-PB  |
| φ41.5           | 41.5            | 45.5                | 84                   | 45                  | φ41.5PVC-PB  |
| φ50.0           | 50              | 54                  | 87                   | 38                  | φ50.0PVC-PB  |
| φ59.5           | 59.5            | 63.5                | 90                   | 38                  | φ59.5PVC-PB  |
| φ69.5           | 69.5            | 73.5                | 100                  | 42                  | φ69.5PVC-PB  |
| φ87.5           | 87.5            | 91.5                | 103                  | 42                  | φ87.5PVC-PαB |
| φ103.5          | 103.5           | 107.5               | 105                  | 42                  | φ103.5PVC-PB |
| φ113.5          | 113.5           | 117.5               | 123                  | 50                  | φ113.5PVC-PB |
| φ123.5          | 123.5           | 127.5               | 124                  | 59                  | φ123.5PVC-PB |
| φ139.2          | 139.2           | 143.2               | 140                  | 60                  | φ139.2PVC-PB |



防爆附件  
Explosion-Proof Accessories





防爆附件选型指南  
Ex-proof Accessories Selection-guide



| → Exeb系列 Series                |                                                                                    |                                                                                   |                                                                                    |                                                                                                       | <div><div>IEC</div><div>Ex</div><div>ATEX</div><div>CCC</div><div>RoHS</div><div>REACH</div></div> |  |  |  |  |
|--------------------------------|------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|--|--|--|--|
| 产品系列<br>Product Series         |   |  |  |                    |                                                                                                    |  |  |  |  |
|                                | MSP系列<br>Series                                                                    | HSP系列<br>Series                                                                   | NSP系列<br>Series                                                                    | HSP系列<br>Series                                                                                       |                                                                                                    |  |  |  |  |
| 产品名称<br>Item                   | 防爆堵塞件<br>Ex-proof Exe Plug                                                         |                                                                                   |                                                                                    | 隔爆堵塞件<br>Ex-proof Exd Plug                                                                            |                                                                                                    |  |  |  |  |
| 材质<br>Material                 | 黄铜镀镍<br>Nickel-plated Brass                                                        | 黄铜镀镍<br>Nickel-plated Brass                                                       | 尼龙<br>Nylon                                                                        | 黄铜镀镍<br>Nickel-plated Brass Hpb59-1<br>不锈钢<br>Stainless Steel 304 316 316L<br>碳钢<br>Carbon Steel Q235 |                                                                                                    |  |  |  |  |
| 认证类别<br>Certification Category | IECEX<br>ATEX<br>CCC<br>防爆合格证<br>Explosion-proof Certificate                       |                                                                                   |                                                                                    | CCC<br>防爆合格证<br>Explosion-proof Certificate                                                           |                                                                                                    |  |  |  |  |
| 防爆标志<br>Ex-Mark                | Ex eb II C Gb<br>Ex tb III C Db<br>Ⓜ II 2G Ex eb II C Gb<br>Ⓜ II 2D Ex tb III C Db |                                                                                   |                                                                                    | Ex db II C Gb<br>Ex eb II C Gb<br>Ex tb III C Db                                                      |                                                                                                    |  |  |  |  |
| 防护等级<br>IP Rating              | IP66<br>IP68 1.5m 30min                                                            |                                                                                   |                                                                                    | IP66<br>IP68 1.5m 30min                                                                               |                                                                                                    |  |  |  |  |
| 工作温度<br>Operating Temperature  | -30℃~+80℃                                                                          |                                                                                   |                                                                                    | -60℃~+120℃                                                                                            |                                                                                                    |  |  |  |  |
| 螺纹规格<br>Thread Type            | M12-M63<br>PG7-PG48                                                                |                                                                                   |                                                                                    | M16-M63<br>NPT1/2"-NPT2"                                                                              |                                                                                                    |  |  |  |  |
| 详细页码<br>Page Number            | P136                                                                               | P137                                                                              | P138                                                                               | P139                                                                                                  |                                                                                                    |  |  |  |  |

| 型号含义 Model Meaning                                                          |                                                                                     |                                                                    |                                                                                               |
|-----------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|
| □SP-                                                                        | □                                                                                   | □                                                                  | □                                                                                             |
| ▼                                                                           | ▼                                                                                   | ▼                                                                  | ▼                                                                                             |
| 材质 Nylon Cable Glands<br>N: 尼龙材质 Nylon Material<br>M/H: 金属材质 Metal Material | 螺纹规格 Thread Specification<br>M12: M12×1.5<br>M16: M16×1.5<br>P07: PG 7<br>P09: PG 9 | 螺纹长度 Thread Length<br>05: GL 5<br>06: GL 6<br>07: GL 7<br>09: GL 9 | B: 黑色尼龙 Black Color Nylon<br>BR: 黄铜镀镍 Nickel-Plated Brass<br>无字母 No letter: 常规型 Standard Type |
| 举例 For Example: NSP-M1209                                                   |                                                                                     |                                                                    |                                                                                               |



防爆附件选型指南  
Ex-proof Accessories Selection-guide

|                                |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
|--------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| → Exeb系列 Series                |                                                                                     |                                                                                     |                                                                                     |  |  |  |  |  |
| 产品系列<br>Product Series         |  |  |  |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
|                                | MTR系列<br>Series                                                                     | MTE系列<br>Series                                                                     | MTA系列<br>Series                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| 产品名称<br>Item                   | 防爆变径环<br>Ex-proof Exe Reducer                                                       |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| 材质<br>Material                 | 黄铜镀镍<br>Nickel-plated Brass                                                         | 黄铜镀镍<br>Nickel-plated Brass                                                         | 黄铜镀镍<br>Nickel-plated Brass                                                         |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| 认证类别<br>Certification Category | IECEX<br>ATEX<br>防爆合格证<br>Explosion-proof Certificate                               |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| 防爆标志<br>Ex-Mark                | Ex eb II C Gb<br>Ex tb III C Db<br>Ⓜ II 2G Ex eb II C Gb<br>Ⓜ II 2D Ex tb III C Db  |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| 防护等级<br>IP Rating              | IP66<br>IP68 1.5m 30min                                                             |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| 工作温度<br>Operating Temperature  | -30℃ ~ +80℃                                                                         |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| 螺纹规格<br>Thread Type            | M12-M63<br>PG7-PG48                                                                 | M12-M63<br>PG7-PG48                                                                 | M16-M32、<br>PG9-PG29、<br>NPT1/2"-NPT 1 1/4"                                         |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| 详细页码<br>Page Number            | P140-P141                                                                           | P142                                                                                | P143                                                                                |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |

| 型号含义 Model Meaning                                          |                                                                                           |
|-------------------------------------------------------------|-------------------------------------------------------------------------------------------|
| MT□                                                         | □                                                                                         |
| ▼                                                           | ▼                                                                                         |
| 材质 Type<br>R: 缩径 Reducer<br>E: 扩径 Enlarger<br>A: 变径 Adapter | 螺纹规格 Thread Specification<br>M12: M12×1.5<br>M16: M16×1.5<br>M20: M20×1.5<br>M25: M25×1.5 |
| 举例 For Example: MTR-M16×1.5                                 |                                                                                           |

防爆附件选型指南  
Ex-proof Accessories Selection-guide



→ Exeb /Exdb系列 Series



|                                |                                                                                                                                                                                                                                                               |                  |
|--------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|
| 产品系列<br>Product Series         | <div><div><br/>BST80/10E<br/>系列 Series</div><div><br/>BST80/10D<br/>系列 Series</div></div> |                  |
| 产品名称<br>Item                   | 防爆呼吸阀<br>Explosion-proof Breather Valve                                                                                                                                                                                                                       |                  |
| 材质<br>Material                 | 黄铜镀镍 Nickel-plated Brass Hpb59-1<br>不锈钢 Stainless Steel 304 316 316L<br>碳钢 Carbon Steel Q235                                                                                                                                                                  |                  |
| 认证类别<br>Certification Category | 防爆合格证<br>Explosion-proof Certificate                                                                                                                                                                                                                          |                  |
| 防爆标志<br>Ex-Mark                | Ex db II C Gb<br>Ex eb II C Gb<br>Ex tb III C Db                                                                                                                                                                                                              |                  |
| 防护等级<br>IP Rating              | IP66                                                                                                                                                                                                                                                          |                  |
| 工作温度<br>Operating Temperature  | -60 C ~+135 C                                                                                                                                                                                                                                                 |                  |
| 螺纹规格<br>Thread Type            | M12x1.5、M20x1.5<br>NPT 1/2"、G 1/2"<br>PG 13.5                                                                                                                                                                                                                 | M25x1.5、NPT 3/4" |
| 详细页码<br>Page Number            | P144                                                                                                                                                                                                                                                          | P144             |

| 型号含义 Model Meaning               |                                                                                               |                                                                            |
|----------------------------------|-----------------------------------------------------------------------------------------------|----------------------------------------------------------------------------|
| BST-80/10 □                      | □                                                                                             | □                                                                          |
| ▼<br>E: 增安型 Exe<br>D: 隔爆型 Exd    | ▼<br>螺纹规格 Thread Specification<br>M12: M12×1.5<br>M20: M20×1.5<br>P13: PG13.5<br>N12: NPT1/2" | ▼<br>材质 Material<br>BR: 黄铜Hpb59-1 SS: 304<br>BA: 黄铜H62 SA: 316<br>SB: 316L |
| 举例 For Example: BST-80/10E-M12BR |                                                                                               |                                                                            |

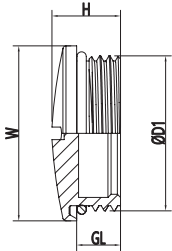
防爆堵塞件(圆形)  
Ex Round Metal Screw Plugs



→ MSP系列 Series



适用范围 Application Scope: 适用于气体1、2区; 粉尘21、22区  
Suitable for Gas Zones 1 and 2; Dust Zones 21, and 22  
防护等级 IP Rating: IP66/68(1.5m/30min)  
工作温度 Operating Temperature: -30℃~+80℃  
环境温度 Environmental Temperature Range: -30℃~+80℃  
材质 Material: 黄铜镀镍 Nickel-Plated Brass  
O型圈 O-Ring: 硅橡胶 Silicone Rubber



| 认证数据 Authentication Certificate |                               |                                      |                                                 |
|---------------------------------|-------------------------------|--------------------------------------|-------------------------------------------------|
| 认证类别 Certificate Type           | 防护类别代码 Ex-Mark                | 认证类别 Certificate Type                | 防护类别代码 Ex-Mark                                  |
| IECE证书 Certificate              | Ex eb IIC Gb<br>Ex tb IIIC Db | ATEX证书 Certificate                   | Ⓜ II 2 G Ex eb IIC Gb<br>Ⓜ II 2 D Ex tb IIIC Db |
| CCC证书 Certificate               | Ex eb IIC Gb<br>Ex tb IIIC Db | 防爆合格证<br>Explosion-proof Certificate | Ex eb IIC Gb<br>Ex tb IIIC Db                   |

| 技术数据 Technical Data        |                          |
|----------------------------|--------------------------|
| 螺纹规格 Thread Size           | M12-M63、PG7-PG48         |
| 材质 Material                | 黄铜镀镍 Nickel-Plated Brass |
| 阻燃等级 Flame Retardant Grade | V2(UL94)                 |

订货数据 Ordering Data

| 规格 Specs<br>ØD1 | GL<br>mm | H<br>mm | W<br>mm | 订货号 Order no |
|-----------------|----------|---------|---------|--------------|
| MSP-M12 x 1.5   | 5        | 8       | 14      | Ex-SPM1205BR |
| MSP-M16 x 1.5   | 6        | 9       | 18      | Ex-SPM1606BR |
| MSP-M20 x 1.5   | 7        | 10      | 23      | Ex-SPM2007BR |
| MSP-M25 x 1.5   | 7        | 10      | 28      | Ex-SPM2507BR |
| MSP-M32 x 1.5   | 8        | 12      | 35      | Ex-SPM3208BR |
| MSP-M40 x 1.5   | 9        | 15      | 44      | Ex-SPM4009BR |
| MSP-M50 x 1.5   | 9        | 16      | 54      | Ex-SPM5009BR |
| MSP-M63 x 1.5   | 10       | 16      | 67      | Ex-SPM6310BR |
|                 |          |         |         |              |
| MSP-PG 7        | 5        | 8       | 14      | Ex-SPP0705BR |
| MSP-PG 9        | 6        | 9       | 17      | Ex-SPP0906BR |
| MSP-PG 11       | 6        | 9       | 21      | Ex-SPP1106BR |
| MSP-PG 13.5     | 7        | 10      | 23      | Ex-SPP1307BR |
| MSP-PG 16       | 6.5      | 10      | 25      | Ex-SPP1607BR |
| MSP-PG 21       | 7        | 11      | 30      | Ex-SPP2107BR |
| MSP-PG 29       | 8        | 12      | 39      | Ex-SPP2908BR |
| MSP-PG 36       | 9        | 15      | 50      | Ex-SPP3609BR |
| MSP-PG 42       | 10       | 16      | 57      | Ex-SPP4210BR |
| MSP-PG 48       | 10       | 16      | 64      | Ex-SPP4810BR |



防爆堵塞件(六角形)  
Ex Hexagon Metal Screw Plugs



→ HSP系列 Series

适用范围 Application Scope: 适用于气体1、2区；粉尘21、22区  
Suitable for Gas Zones 1 and 2; Dust Zones 21, and 22

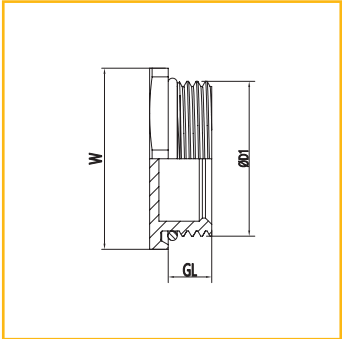
防护等级 IP Rating: IP66/68(1.5m/30min)

工作温度 Operating Temperature: -30℃~+80℃

环境温度 Environmental Temperature Range: -30℃~+80℃

材质 Material: 黄铜镀镍 Nickel-Plated Brass

○型圈 O-Ring: 硅橡胶 Silicone Rubber



| 认证数据 Authentication Certificate |                               |                                      |                                                 |
|---------------------------------|-------------------------------|--------------------------------------|-------------------------------------------------|
| 认证类别 Certificate Type           | 防护类别代码 Ex-Mark                | 认证类别 Certificate Type                | 防护类别代码 Ex-Mark                                  |
| IECEx证书 Certificate             | Ex eb IIC Gb<br>Ex tb IIIC Db | ATEX证书 Certificate                   | Ⓜ II 2 G Ex eb IIC Gb<br>Ⓜ II 2 D Ex tb IIIC Db |
| CCC证书 Certificate               | Ex eb IIC Gb<br>Ex tb IIIC Db | 防爆合格证<br>Explosion-proof Certificate | Ex eb IIC Gb<br>Ex tb IIIC Db                   |

| 技术数据 Technical Data        |                          |
|----------------------------|--------------------------|
| 螺纹规格 Thread Size           | M12-M63、PG7-PG48         |
| 材质 Material                | 黄铜镀镍 Nickel-Plated Brass |
| 阻燃等级 Flame Retardant Grade | V2(UL94)                 |

订货数据 Ordering Data

| 规格 Specs<br>ØD1 | GL<br>mm | H<br>mm | <br>mm | 订货号 Order no  |
|-----------------|----------|---------|--------|---------------|
| HSP-M12 x 1.5   | 5        | 8       | 14     | Ex-HSPM1205BR |
| HSP-M16 x 1.5   | 6        | 9       | 18     | Ex-HSPM1606BR |
| HSP-M20 x 1.5   | 7        | 10      | 22     | Ex-HSPM2007BR |
| HSP-M25 x 1.5   | 7        | 10      | 29     | Ex-HSPM2507BR |
| HSP-M32 x 1.5   | 8        | 11      | 36     | Ex-HSPM3208BR |
| HSP-M40 x 1.5   | 9        | 12      | 45     | Ex-HSPM4009BR |
| HSP-M50 x 1.5   | 9        | 15      | 55     | Ex-HSPM5009BR |
| HSP-M63 x 1.5   | 10       | 16      | 70     | Ex-HSPM6310BR |
|                 |          |         |        |               |
| HSP-PG 7        | 5        | 8       | 14     | Ex-HSPPO705BR |
| HSP-PG 9        | 6        | 9       | 17     | Ex-HSPPO906BR |
| HSP-PG 11       | 6        | 9       | 20     | Ex-HSPP1106BR |
| HSP-PG 13.5     | 7        | 10      | 22     | Ex-HSPP1307BR |
| HSP-PG 16       | 7        | 10      | 24     | Ex-HSPP1607BR |
| HSP-PG 21       | 7        | 11      | 30     | Ex-HSPP2107BR |
| HSP-PG 29       | 8        | 12      | 40     | Ex-HSPP2908BR |
| HSP-PG 36       | 9        | 15      | 50     | Ex-HSPP3609BR |
| HSP-PG 42       | 10       | 16      | 60     | Ex-HSPP4210BR |
| HSP-PG 48       | 10       | 16      | 64     | Ex-HSPP4810BR |

防爆堵塞件(圆形)  
Ex Nylon Screw Plugs



→ NSP系列 Series

适用范围 Application Scope: 适用于气体1、2区；粉尘21、22区  
Suitable for Gas Zones 1 and 2; Dust Zones 21, and 22

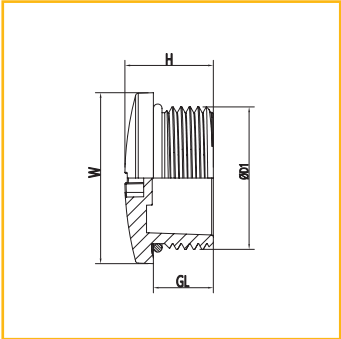
防护等级 IP Rating: IP66/68(1.5m/30min)

工作温度 Operating Temperature: -20℃~+80℃

环境温度 Environmental Temperature Range: -20℃~+80℃

材质 Material: 尼龙 Nylon

○型圈 O-Ring: 硅橡胶 Silicone Rubber



| 认证数据 Authentication Certificate |                               |                                      |                                                 |
|---------------------------------|-------------------------------|--------------------------------------|-------------------------------------------------|
| 认证类别 Certificate Type           | 防护类别代码 Ex-Mark                | 认证类别 Certificate Type                | 防护类别代码 Ex-Mark                                  |
| IECEx证书 Certificate             | Ex eb IIC Gb<br>Ex tb IIIC Db | ATEX证书 Certificate                   | Ⓜ II 2 G Ex eb IIC Gb<br>Ⓜ II 2 D Ex tb IIIC Db |
| CCC证书 Certificate               | Ex eb IIC Gb<br>Ex tb IIIC Db | 防爆合格证<br>Explosion-proof Certificate | Ex eb IIC Gb<br>Ex tb IIIC Db                   |

| 技术数据 Technical Data        |                   |
|----------------------------|-------------------|
| 螺纹规格 Thread Size           | M12-M63、PG7-PG48  |
| 材质 Material                | 尼龙 Nylon          |
| 阻燃等级 Flame Retardant Grade | V2(UL94)          |
| 颜色 Color                   | 黑色、灰色 Black, Grey |

订货数据 Ordering Data

| 规格 Specs<br>D1 | GL<br>mm | H<br>mm | W<br>mm | 订货号 Order no<br>RAL7035● | 订货号 Order no<br>RAL9005● |
|----------------|----------|---------|---------|--------------------------|--------------------------|
| NSP-M12 x 1.5  | 8.5      | 12.5    | 15      | Ex-SPM1209               | Ex-SPM1209B              |
| NSP-M16 x 1.5  | 8.5      | 13      | 19      | Ex-SPM1609               | Ex-SPM1609B              |
| NSP-M20 x 1.5  | 9        | 13      | 25      | Ex-SPM2009               | Ex-SPM2009B              |
| NSP-M25 x 1.5  | 10.5     | 15.5    | 30      | Ex-SPM2511               | Ex-SPM2511B              |
| NSP-M32 x 1.5  | 10.5     | 16      | 38      | Ex-SPM3211               | Ex-SPM3211B              |
| NSP-M40 x 1.5  | 11.5     | 16      | 46      | Ex-SPM4012               | Ex-SPM4012B              |
| NSP-M50 x 1.5  | 13.5     | 18      | 56      | Ex-SPM5014               | Ex-SPM5014B              |
| NSP-M63 x 1.5  | 14       | 19      | 68      | Ex-SPM6314               | Ex-SPM6314B              |
|                |          |         |         |                          |                          |
| NSP-PG 7       | 8.5      | 12.5    | 15      | Ex-SPP0709               | Ex-SPP0709B              |
| NSP-PG 9       | 8.5      | 13      | 19      | Ex-SPP0909               | Ex-SPP0909B              |
| NSP-PG 11      | 9        | 13      | 22      | Ex-SPP1109               | Ex-SPP1109B              |
| NSP-PG 13.5    | 9        | 13      | 25      | Ex-SPP1309               | Ex-SPP1309B              |
| NSP-PG 16      | 10.5     | 15      | 27      | Ex-SPP1611               | Ex-SPP1611B              |
| NSP-PG 21      | 10.5     | 15.5    | 33      | Ex-SPP2111               | Ex-SPP2111B              |
| NSP-PG 29      | 11.5     | 16      | 44      | Ex-SPP2912               | Ex-SPP2912B              |
| NSP-PG 36      | 13.5     | 18      | 55      | Ex-SPP3614               | Ex-SPP3614B              |
| NSP-PG 42      | 13.5     | 18.5    | 62      | Ex-SPP4214               | Ex-SPP4214B              |
| NSP-PG 48      | 14.5     | 19.5    | 68      | Ex-SPP4815               | Ex-SPP4815B              |

防爆堵塞件  
Ex Hexagon Metal Screw Plugs



→ HSP系列 Series

适用范围 Application Scope: 适用于气体1、2区；粉尘20、21、22区  
Suitable for Gas Zones 1 and 2; Dust Zones 21, and 22

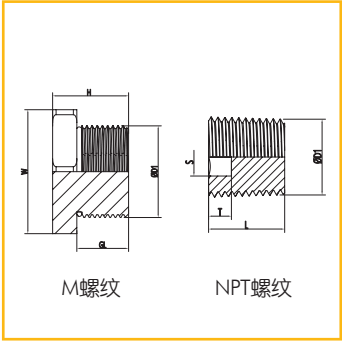
防护等级 IP Rating: IP66/68(1.5m/30min)

工作温度 Operating Temperature: -60℃~+135℃

环境温度 Environmental Temperature Range: -60℃~+55℃

材质 Material: 黄铜镀镍 Nickel-plated Brass  
不锈钢 Stainless Steel 304、316、316L  
碳钢 Carbon Steel Q235

O型圈 O-Ring: 硅橡胶 Silicone Rubber



| 认证数据 Authentication Certificate |                                                  |                                      |                                                  |
|---------------------------------|--------------------------------------------------|--------------------------------------|--------------------------------------------------|
| 认证类别 Certificate Type           | 防护类别代码 Ex-Mark                                   | 认证类别 Certificate Type                | 防护类别代码 Ex-Mark                                   |
| CCC证书 Certificate               | Ex db II C Gb<br>Ex eb II C Gb<br>Ex tb III C Db | 防爆合格证<br>Explosion-proof Certificate | Ex db II C Gb<br>Ex eb II C Gb<br>Ex tb III C Db |

| 技术数据 Technical Data        |                               |
|----------------------------|-------------------------------|
| 螺纹规格 Thread Size           | M12-M63、NPT1/2"-NPT 2"        |
| 材质 Material                | 黄铜镀镍/ 不锈钢304、316、316L/ 碳钢Q235 |
| 阻燃等级 Flame Retardant Grade | V2(UL94)                      |

订货数据 Ordering Data

| 规格 Specs<br>ØD1 | GL<br>mm | H<br>mm | <br>mm | 订货号 Order no       |
|-----------------|----------|---------|--------|--------------------|
| M12 x 1.5       | 15       | 21      | 18     | BST-Exd-HSPM1215BR |
| M16 x 1.5       | 15       | 21      | 24     | BST-Exd-HSPM1615BR |
| M20 x 1.5       | 15       | 22      | 27     | BST-Exd-HSPM2015BR |
| M25 x 1.5       | 15       | 22      | 36     | BST-Exd-HSPM2515BR |
| M32 x 1.5       | 15       | 22      | 43     | BST-Exd-HSPM3215BR |
| M40 x 1.5       | 15       | 23.5    | 50     | BST-Exd-HSPM4015BR |
| M50 x 1.5       | 15       | 24      | 60     | BST-Exd-HSPM5015BR |
| M63 x 1.5       | 15       | 24      | 75     | BST-Exd-HSPM6315BR |

订货数据 Ordering Data

| 规格 Specs<br>ØD1 | GL<br>mm | T<br>mm | S<br>mm | 订货号 Order no        |
|-----------------|----------|---------|---------|---------------------|
| NPT 1/2"        | 15       | 6       | 10.3    | BST-Exd-HSPN1215BR  |
| NPT 3/4"        | 15       | 6       | 10.3    | BST-Exd-HSPN3415BR  |
| NPT 1"          | 15       | 8       | 17.3    | BST-Exd-HSPN10015BR |
| NPT 1 1/4"      | 15       | 8       | 17.3    | BST-Exd-HSPN11415BR |
| NPT 1 1/2"      | 15       | 10      | 19.3    | BST-Exd-HSPN11215BR |
| NPT 2"          | 15       | 10      | 19.3    | BST-Exd-HSPN20015BR |

防爆变径环(缩径)  
Ex Metal Reducer



→ MTR系列 Series

适用范围 Application Scope: 适用于气体1、2区；粉尘21、22区  
Suitable for Gas Zones 1 and 2; Dust Zones 21, and 22

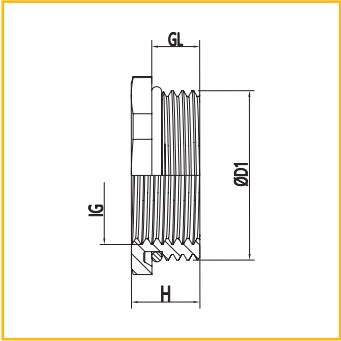
防护等级 IP Rating: IP66/68(1.5m/30min)

工作温度 Operating Temperature: -30℃~+80℃

环境温度 Environmental Temperature Range: -30℃~+80℃

材质 Material: 黄铜镀镍 Nickel-Plated Brass

O型圈 O-Ring: 硅橡胶 Silicone Rubber



| 认证数据 Authentication Certificate |                               |                       |                                                 |
|---------------------------------|-------------------------------|-----------------------|-------------------------------------------------|
| 认证类别 Certificate Type           | 防护类别代码 Ex-Mark                | 认证类别 Certificate Type | 防护类别代码 Ex-Mark                                  |
| IECEx证书 Certificate             | Ex eb IIC Gb<br>Ex tb IIIC Db | ATEX证书 Certificate    | Ⓜ II 2 G Ex eb IIC Gb<br>Ⓜ II 2 D Ex tb IIIC Db |

| 技术数据 Technical Data        |                          |
|----------------------------|--------------------------|
| 螺纹规格 Thread Size           | M12-M63                  |
| 材质 Material                | 黄铜镀镍 Nickel-Plated Brass |
| 阻燃等级 Flame Retardant Grade | V2(UL94)                 |

订货数据 Ordering Data

| 规格 Specs<br>ØD1 | IG<br>mm  | GL<br>mm | H<br>mm | <br>mm | 订货号 Order no |
|-----------------|-----------|----------|---------|--------|--------------|
| MTR-M16 x 1.5   | M12 x 1.5 | 5        | 8       | 17     | Ex-M1612BRR  |
| MTR-M20 x 1.5   | M12 x 1.5 | 6        | 9       | 22     | Ex-M2012BRR  |
| MTR-M20 x 1.5   | M16 x 1.5 | 6        | 9       | 22     | Ex-M2016BRR  |
| MTR-M25 x 1.5   | M16 x 1.5 | 7        | 10      | 27     | Ex-M2516BRR  |
| MTR-M25 x 1.5   | M20 x 1.5 | 7        | 10      | 27     | Ex-M2520BRR  |
| MTR-M32 x 1.5   | M16 x 1.5 | 8        | 11      | 34     | Ex-M3216BRR  |
| MTR-M32 x 1.5   | M20 x 1.5 | 8        | 11      | 34     | Ex-M3220BRR  |
| MTR-M40 x 1.5   | M25 x 1.5 | 8        | 12      | 43     | Ex-M4020BRR  |
| MTR-M40 x 1.5   | M25 x 1.5 | 8        | 12      | 43     | Ex-M4025BRR  |
| MTR-M40 x 1.5   | M32 x 1.5 | 8        | 12      | 43     | Ex-M4032BRR  |
| MTR-M50 x 1.5   | M25 x 1.5 | 9        | 13      | 55     | Ex-M5025BRR  |
| MTR-M50 x 1.5   | M32 x 1.5 | 9        | 13      | 55     | Ex-M5032BRR  |
| MTR-M50 x 1.5   | M40 x 1.5 | 9        | 13      | 55     | Ex-M5040BRR  |
| MTR-M63 x 1.5   | M32 x 1.5 | 10       | 14      | 65     | Ex-M6332BRR  |
| MTR-M63 x 1.5   | M40 x 1.5 | 10       | 14      | 65     | Ex-M6340BRR  |
| MTR-M63 x 1.5   | M50 x 1.5 | 10       | 14      | 65     | Ex-M6350BRR  |



防爆变径环(缩径)  
Ex Metal Reducer



→ MTR系列 Series

适用范围 Application Scope: 适用于气体1、2区；粉尘21、22区  
Suitable for Gas Zones 1 and 2; Dust Zones 21, and 22

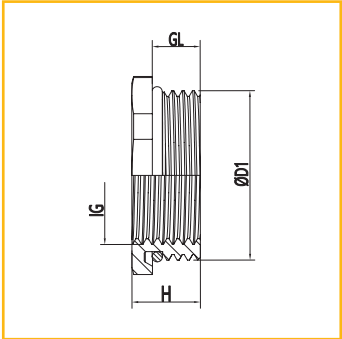
防护等级 IP Rating: IP66/68(1.5m/30min)

工作温度 Operating Temperature: -30℃~+80℃

环境温度 Environmental Temperature Range: -30℃~+80℃

材质 Material: 黄铜镀镍 Nickel-Plated Brass

○型圈 O-Ring: 硅橡胶 Silicone Rubber



| 认证数据 Authentication Certificate |                               |                       |                                                 |
|---------------------------------|-------------------------------|-----------------------|-------------------------------------------------|
| 认证类别 Certificate Type           | 防护类别代码 Ex-Mark                | 认证类别 Certificate Type | 防护类别代码 Ex-Mark                                  |
| IECEx证书 Certificate             | Ex eb IIC Gb<br>Ex tb IIIC Db | ATEX证书 Certificate    | Ⓜ II 2 G Ex eb IIC Gb<br>Ⓜ II 2 D Ex tb IIIC Db |

| 技术数据 Technical Data        |                          |
|----------------------------|--------------------------|
| 螺纹规格 Thread Size           | PG9-PG48                 |
| 材质 Material                | 黄铜镀镍 Nickel-Plated Brass |
| 阻燃等级 Flame Retardant Grade | V2(UL94)                 |

订货数据 Ordering Data

| 规格 Specs<br>ØD1 | IG<br>mm | GL<br>mm | H<br>mm | <br>mm | 订货号 Order no |
|-----------------|----------|----------|---------|--------|--------------|
| MTR-PG 9        | PG 7     | 6        | 8.8     | 17     | Ex-P0907BRR  |
| MTR-PG 11       | PG 7     | 6        | 9       | 20     | Ex-P1107BRR  |
| MTR-PG 11       | PG 9     | 6        | 9       | 20     | Ex-P1109BRR  |
| MTR-PG 13.5     | PG 9     | 6.5      | 9.5     | 22     | Ex-P13509BRR |
| MTR-PG 13.5     | PG 11    | 6.5      | 9.5     | 22     | Ex-P13511BRR |
| MTR-PG 16       | PG 9     | 6.5      | 9.5     | 24     | Ex-P1609BRR  |
| MTR-PG 16       | PG 11    | 6.5      | 9.5     | 24     | Ex-P1611BRR  |
| MTR-PG 16       | PG 13.5  | 6.5      | 9.5     | 24     | Ex-P16135BRR |
| MTR-PG 21       | PG 11    | 7        | 10.3    | 30     | Ex-P2111BRR  |
| MTR-PG 21       | PG 13.5  | 7        | 10.3    | 30     | Ex-P21135BRR |
| MTR-PG 21       | PG 16    | 7        | 10.3    | 30     | Ex-P2116BRR  |
| MTR-PG 29       | PG 16    | 7        | 11.5    | 40     | Ex-P2916BRR  |
| MTR-PG 29       | PG 21    | 7        | 11.5    | 40     | Ex-P2921BRR  |
| MTR-PG 36       | PG 21    | 8        | 12.5    | 50     | Ex-P3621BRR  |
| MTR-PG 36       | PG 29    | 8        | 12.5    | 50     | Ex-P3629BRR  |
| MTR-PG 42       | PG 29    | 10       | 13.5    | 57     | Ex-P4229BRR  |
| MTR-PG 42       | PG 36    | 10       | 13.5    | 57     | Ex-P4236BRR  |
| MTR-PG 48       | PG 36    | 10       | 13.5    | 64     | Ex-P4836BRR  |
| MTR-PG 48       | PG 42    | 10       | 13.5    | 64     | Ex-P4842BRR  |

防爆变径环(扩径)  
Ex Metal Enlarger



→ MTE系列 Series

适用范围 Application Scope: 适用于气体1、2区；粉尘21、22区  
Suitable for Gas Zones 1 and 2; Dust Zones 21, and 22

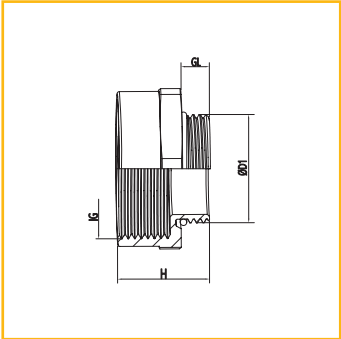
防护等级 IP Rating: IP66/68(1.5m/30min)

工作温度 Operating Temperature: -30℃~+80℃

环境温度 Environmental Temperature Range: -30℃~+80℃

材质 Material: 黄铜镀镍 Nickel-Plated Brass

○型圈 O-Ring: 硅橡胶 Silicone Rubber



| 认证数据 Authentication Certificate |                               |                       |                                                 |
|---------------------------------|-------------------------------|-----------------------|-------------------------------------------------|
| 认证类别 Certificate Type           | 防护类别代码 Ex-Mark                | 认证类别 Certificate Type | 防护类别代码 Ex-Mark                                  |
| IECEx证书 Certificate             | Ex eb IIC Gb<br>Ex tb IIIC Db | ATEX证书 Certificate    | Ⓜ II 2 G Ex eb IIC Gb<br>Ⓜ II 2 D Ex tb IIIC Db |

| 技术数据 Technical Data        |                          |
|----------------------------|--------------------------|
| 螺纹规格 Thread Size           | M12-M63、PG7-PG48         |
| 材质 Material                | 黄铜镀镍 Nickel-Plated Brass |
| 阻燃等级 Flame Retardant Grade | V2(UL94)                 |

订货数据 Ordering Data

| 规格 Specs<br>ØD1 | IG<br>mm  | GL<br>mm | H<br>mm | <br>mm | 订货号 Order no |
|-----------------|-----------|----------|---------|--------|--------------|
| MTE-M12 x 1.5   | M16 x 1.5 | 5        | 15      | 18     | Ex-M1216BRE  |
| MTE-M16 x 1.5   | M20 x 1.5 | 6        | 17.5    | 22     | Ex-M1620BRE  |
| MTE-M20 x 1.5   | M25 x 1.5 | 6.5      | 19      | 27     | Ex-M2025BRE  |
| MTE-M25 x 1.5   | M32 x 1.5 | 6.5      | 21      | 34     | Ex-M2532BRE  |
| MTE-M32 x 1.5   | M40 x 1.5 | 7        | 23      | 42     | Ex-M3240BRE  |
| MTE-M40 x 1.5   | M50 x 1.5 | 9        | 31      | 53     | Ex-M4050BRE  |
| MTE-M50 x 1.5   | M63 x 1.5 | 9        | 31      | 66     | Ex-M5063BRE  |
|                 |           |          |         |        |              |
| MTE-PG 7        | PG 9      | 5        | 15      | 17     | Ex-P0709BRE  |
| MTE-PG 9        | PG 11     | 6        | 16.5    | 20     | Ex-P0911BRE  |
| MTE-PG 9        | PG 13.5   | 6        | 17.5    | 22     | Ex-P09135BRE |
| MTE-PG 11       | PG 13.5   | 6        | 17.5    | 22     | Ex-P11135BRE |
| MTE-PG 11       | PG 16     | 6        | 18.5    | 24     | Ex-P1116BRE  |
| MTE-PG 11       | PG 21     | 6        | 20.5    | 30     | Ex-P1121BRE  |
| MTE-PG 13.5     | PG 16     | 6.5      | 19      | 24     | Ex-P13516BRE |
| MTE-PG 13.5     | PG 21     | 6.5      | 21      | 30     | Ex-P13521BRE |
| MTE-PG 16       | PG 21     | 6.5      | 21      | 30     | Ex-P1621BRE  |
| MTE-PG 16       | PG 29     | 6.5      | 22.5    | 39     | Ex-P1629BRE  |
| MTE-PG 21       | PG 29     | 7        | 23      | 39     | Ex-P2129BRE  |
| MTE-PG 29       | PG 36     | 8        | 27.5    | 50     | Ex-P2936BRE  |
| MTE-PG 36       | PG 42     | 9        | 31      | 57     | Ex-P3642BRE  |
| MTE-PG 42       | PG 48     | 10       | 33      | 64     | Ex-P4248BRE  |

防爆变径环  
Ex Metal Adapter



→ MTA系列 Series

适用范围 Application Scope: 适用于气体1、2区；粉尘21、22区  
Suitable for Gas Zones 1 and 2; Dust Zones 21, and 22

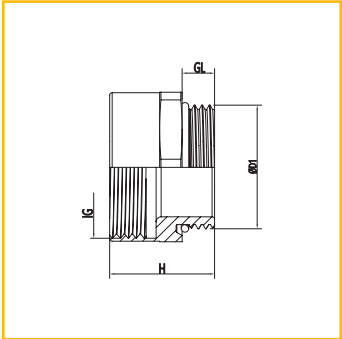
防护等级 IP Rating: IP66/68(1.5m/30min)

工作温度 Operating Temperature: -30℃~+80℃

环境温度 Environmental Temperature Range: -30℃~+80℃

材质 Material: 黄铜镀镍 Nickel-Plated Brass

○型圈 O-Ring: 硅橡胶 Silicone Rubber



| 认证数据 Authentication Certificate |                               |                       |                                                 |
|---------------------------------|-------------------------------|-----------------------|-------------------------------------------------|
| 认证类别 Certificate Type           | 防护类别代码 Ex-Mark                | 认证类别 Certificate Type | 防护类别代码 Ex-Mark                                  |
| IECEx证书 Certificate             | Ex eb IIC Gb<br>Ex tb IIIC Db | ATEX证书 Certificate    | Ⓔ II 2 G Ex eb IIC Gb<br>Ⓔ II 2 D Ex tb IIIC Db |

| 技术数据 Technical Data        |                                     |
|----------------------------|-------------------------------------|
| 螺纹规格 Thread Size           | M16-M32、PG9-PG29、NPT1/2"-NPT 1 1/4" |
| 材质 Material                | 黄铜镀镍 Nickel-Plated Brass            |
| 阻燃等级 Flame Retardant Grade | V2(UL94)                            |

订货数据 Ordering Data

| 规格 Specs<br>ØD1 | IG<br>mm   | GL<br>mm | H<br>mm | <br>mm | 订货号 Order no  |
|-----------------|------------|----------|---------|--------|---------------|
| MTA-M16 x 1.5   | PG 9       | 6        | 10.5    | 20     | Ex-M16P09BRA  |
| MTA-M20 x 1.5   | PG 11      | 6.5      | 12.5    | 22     | Ex-M20P11BRA  |
| MTA-M20 x 1.5   | PG 13.5    | 6.5      | 12.5    | 22     | Ex-M20P135BRA |
| MTA-M20 x 1.5   | PG 16      | 6.5      | 12.5    | 24     | Ex-M20P16BRA  |
| MTA-M25 x 1.5   | PG 16      | 6.5      | 12.5    | 28     | Ex-M25P16BRA  |
| MTA-M25 x 1.5   | PG 21      | 6.5      | 14.5    | 30     | Ex-M25P21BRA  |
| MTA-M32 x 1.5   | PG 29      | 7        | 16      | 40     | Ex-M32P29BRA  |
|                 |            |          |         |        |               |
| MTA-M16 x 1.5   | NPT 1/2"   | 6        | 17      | 24     | Ex-M16N12BRA  |
| MTA-M20 x 1.5   | NPT 1/2"   | 6        | 17      | 24     | Ex-M20N12BRA  |
| MTA-M25 x 1.5   | NPT 1/2"   | 7        | 18      | 30     | Ex-M25N12BRA  |
| MTA-M25 x 1.5   | NPT 3/4"   | 7        | 19      | 30     | Ex-M25N34BRA  |
| MTA-M32 x 1.5   | NPT 1"     | 8        | 25      | 40     | Ex-M32N100BRA |
| MTA-M32 x 1.5   | NPT 1 1/4" | 8        | 25      | 46     | Ex-M32N114BRA |
|                 |            |          |         |        |               |
| MTA-PG 9        | M16X1.5    | 6        | 10.5    | 20     | Ex-P09M16BRA  |
| MTA-PG 11       | M20X1.5    | 6.5      | 12.5    | 22     | Ex-P11M20BRA  |
| MTA-PG 13.5     | M20X1.5    | 6.5      | 12.5    | 22     | Ex-P135M20BRA |
| MTA-PG 16       | M25X1.5    | 6.5      | 14.5    | 27     | Ex-P16M25BRA  |
|                 |            |          |         |        |               |
| MTA-PG 11       | NPT 1/2"   | 6        | 16.7    | 24     | Ex-P11N12BRA  |
| MTA-PG 13.5     | NPT 1/2"   | 6.5      | 17      | 24     | Ex-P135N12BRA |
| MTA-PG 16       | NPT 1/2"   | 6.5      | 16.5    | 24     | Ex-P16N12BRA  |
| MTA-PG 21       | NPT 1/2"   | 7        | 18      | 30     | Ex-P21N12BRA  |
| MTA-PG 21       | NPT 1"     | 7        | 18      | 30     | Ex-P21N34BRA  |
| MTA-PG 29       | NPT 1 1/4" | 8        | 20      | 40     | Ex-P29N100BRA |

防爆呼吸阀  
Hexagon Metal Venting Plug



→ BST-8010E/8010D系列 Series

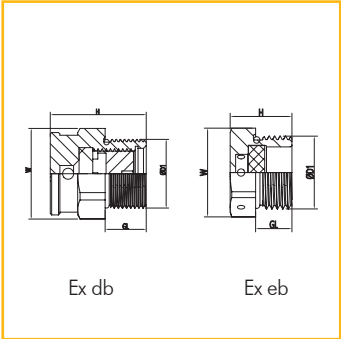
适用范围 Application Scope: 适用于气体1、2区；粉尘21、22区  
Suitable for Gas Zones 1 and 2; Dust Zones 21, and 22

防护等级 IP Rating: IP66

工作温度 Operating Temperature: -60℃~+130℃

材质 Material: 黄铜镀镍 Nickel-plated Brass  
不锈钢 Stainless Steel 304、316、316L

○型圈 O-Ring: 硅橡胶 Silicone Rubber



| 认证数据-增安型 Technical Data-Increased Safety Type |                                 | 认证数据-隔爆型 Technical Data- Ex d Type   |                                                  |
|-----------------------------------------------|---------------------------------|--------------------------------------|--------------------------------------------------|
| 认证类别 Certificate Type                         |                                 | 认证类别 Certificate Type                |                                                  |
| 防爆合格证<br>Explosion-proof Certificate          | Ex eb II C Gb<br>Ex tb III C Db | 防爆合格证<br>Explosion-proof Certificate | Ex db II C Gb<br>Ex eb II C Gb<br>Ex tb III C Db |

| 技术数据-增安型 Technical Data-Exe |                                                              | 技术数据-隔爆型 Technical Data-Exd |                                                              |
|-----------------------------|--------------------------------------------------------------|-----------------------------|--------------------------------------------------------------|
| 螺纹规格 Thread Size            | M12-M20、PG 13.5、NPT 1/2"、G 1/2"                              | 螺纹规格 Thread Size            | M25、NPT3/4"                                                  |
| 材质 Material                 | 黄铜镀镍 Nickel-plated Brass<br>不锈钢 Stainless Steel 304、316、316L | 材质 Material                 | 黄铜镀镍 Nickel-plated Brass<br>不锈钢 Stainless Steel 304、316、316L |

订货数据-增安型 Ordering Data-Increased Safety Type

| 规格 Specs<br>ØD1 | GL<br>mm | H<br>mm | <br>mm | 订货号 Order no     |
|-----------------|----------|---------|--------|------------------|
| M12 x 1.5       | 7        | 12.6    | 14     | BST-80/10E-M12BR |
| M20 x 1.5       | 10       | 17      | 22     | BST-80/10E-M20BR |
| PG 13.5         | 10       | 17      | 25     | BST-80/10E-P13BR |
| NPT1/2"         | 10       | 17      | 25     | BST-80/10E-N12BR |
| G 1/2"          | 10       | 17      | 25     | BST-80/10E-G12BR |

订货数据-隔爆型 Ordering Data-Ex d Type

| 规格 Specs<br>ØD1 | GL<br>mm | H<br>mm | <br>mm | 订货号 Order no     |
|-----------------|----------|---------|--------|------------------|
| M25 x 1.5       | 15       | 35      | 30     | BST-80/10D-M25BR |
| NPT 3/4"        | 15       | 35      | 30     | BST-80/10D-N34BR |



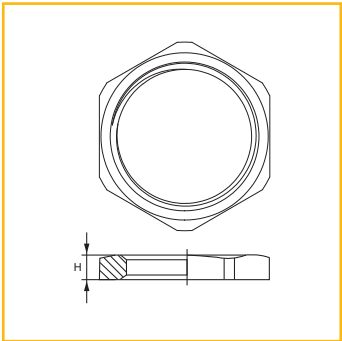
金属六角螺母  
Metal LockNuts



→ M/PG/G系列 Series

RoHS

材料 Material: 黄铜镀镍 Nickel-plated Brass  
工作温度 Operating Temperature: -60℃ to 200℃



订货数据 Ordering Data

| 规格 Specs<br>ØD1 | H<br>mm | <br>mm | 订货号 Order no |
|-----------------|---------|-----------------------------------------------------------------------------------------|--------------|
| M12 x 1.5       | 2.6     | 15                                                                                      | M 12BR-LN    |
| M16 x 1.5       | 2.8     | 19                                                                                      | M 16BR-LN    |
| M20 x 1.5       | 3.0     | 23                                                                                      | M 20BR-LN    |
| M25 x 1.5       | 3.5     | 29                                                                                      | M 25BR-LN    |
| M32 x 1.5       | 4       | 36                                                                                      | M 32BR-LN    |
| M40 x 1.5       | 4a      | 45                                                                                      | M 40BR-LN    |
| M50 x 1.5       | 5.5     | 55                                                                                      | M 50BR-LN    |
| M63 x 1.5       | 6       | 70                                                                                      | M 63BR-LN    |
|                 |         |                                                                                         |              |
| PG 7            | 2.7     | 15                                                                                      | P07BR-LN     |
| PG 9            | 3       | 18                                                                                      | P09BR-LN     |
| PG 11           | 3       | 21                                                                                      | P11BR-LN     |
| PG 13.5         | 3       | 23                                                                                      | P13BR-LN     |
| PG 16           | 3       | 26                                                                                      | P16BR-LN     |
| PG 21           | 3.5     | 32                                                                                      | P21BR-LN     |
| PG 29           | 4       | 41                                                                                      | P29BR-LN     |
| PG 36           | 5       | 51                                                                                      | P36BR-LN     |
| PG 42           | 5       | 60                                                                                      | P42BR-LN     |
| PG 48           | 5.5     | 64                                                                                      | P48BR-LN     |
|                 |         |                                                                                         |              |
| G 1/4"          | 4       | 17                                                                                      | G14BR-LN     |
| G 3/8"          | 4.5     | 19                                                                                      | G38BR-LN     |
| G 1/2"          | 5       | 24                                                                                      | G12BR-LN     |
| G 3/4"          | 5       | 30                                                                                      | G34BR-LN     |
| G 1"            | 6       | 40                                                                                      | G100BR-LN    |
| G 1 1/4"        | 6       | 50                                                                                      | G114BR-LN    |
| G 1 1/2"        | 6       | 57                                                                                      | G112BR-LN    |
| G 2"            | 6       | 64                                                                                      | G200BR-LN    |



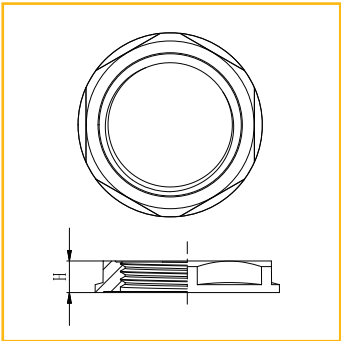
尼龙六角螺母  
Nylon LockNuts



→ M/PG

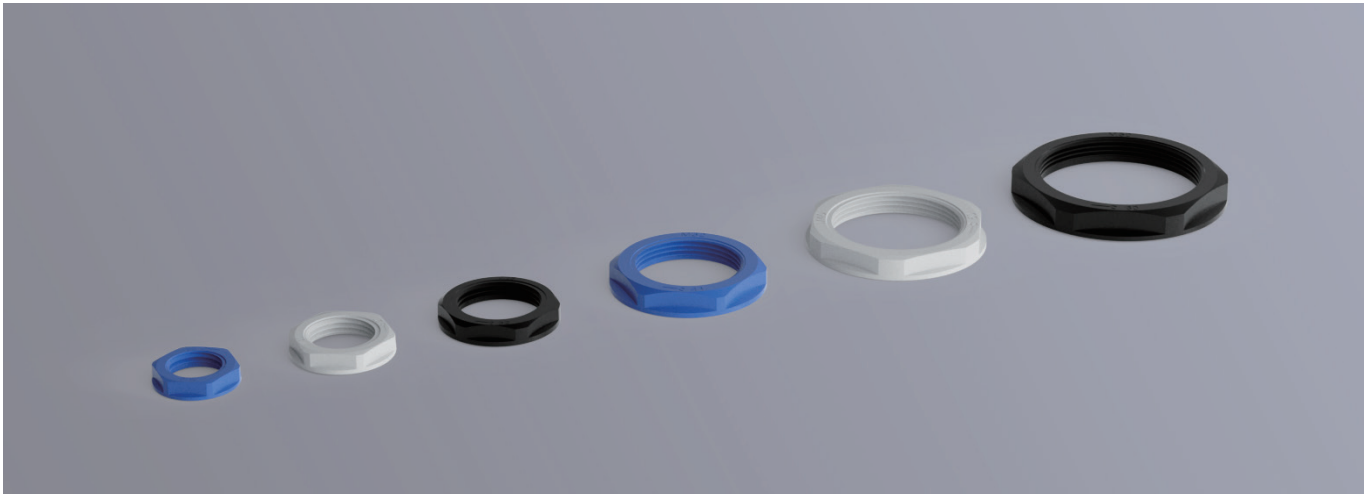
RoHS

材料 Material: 采用UL认可的尼龙材料 PA (NYLON), UL 94 V-2  
工作温度 Operating Temperature: -40℃ to 100℃  
颜色种类 Color: 灰色、黑色, 其他颜色可定做  
Grey(RAL7035), Black(RAL9005), Other Colors Customized.  
材料种类 Material Options: V0或F1可定做 V0, or F1 Can be Offered Upon Request.



订货数据 Ordering Data

| 规格 Specs<br>D1 | H<br>mm | <br>mm | 订货号 Order no<br>RAL7035 ● | 订货号 Order no<br>RAL9005 ● |
|----------------|---------|-------------------------------------------------------------------------------------------|---------------------------|---------------------------|
| M12 x 1.5      | 5       | 17                                                                                        | M12-LN                    | M12-LNB                   |
| M16 x 1.5      | 5       | 22                                                                                        | M16-LN                    | M16-LNB                   |
| M20 x 1.5      | 5.7     | 27                                                                                        | M20-LN                    | M20-LNB                   |
| M25 x 1.5      | 6       | 32                                                                                        | M25-LN                    | M25-LNB                   |
| M32 x 1.5      | 7       | 41                                                                                        | M32-LN                    | M32-LNB                   |
| M40 x 1.5      | 7       | 50                                                                                        | M40-LN                    | M40-LNB                   |
| M50 x 1.5      | 8.5     | 60                                                                                        | M50-LN                    | M50-LNB                   |
| M63 x 1.5      | 8       | 75                                                                                        | M63-LN                    | M63-LNB                   |
|                |         |                                                                                           |                           |                           |
| PG 7           | 5       | 19                                                                                        | P07-LN                    | P07-LNB                   |
| PG 9           | 5       | 22                                                                                        | P09-LN                    | P09-LNB                   |
| PG 11          | 5       | 24                                                                                        | P11-LN                    | P11-LNB                   |
| PG 13.5        | 5.7     | 27                                                                                        | P13-LN                    | P13-LNB                   |
| PG 16          | 5.7     | 30                                                                                        | P16-LN                    | P16-LNB                   |
| PG 19          | 6       | 30                                                                                        | P19-LN                    | P19-LNB                   |
| PG 21          | 6       | 36                                                                                        | P21-LN                    | P21-LNB                   |
| PG 29          | 7       | 46                                                                                        | P29-LN                    | P29-LNB                   |
| PG 36          | 7.6     | 60                                                                                        | P36-LN                    | P36-LNB                   |
| PG 42          | 8       | 65                                                                                        | P42-LN                    | P42-LNB                   |
| PG 48          | 7.8     | 70                                                                                        | P48-LN                    | P48-LNB                   |





隔爆Ex元件  
Ex-proof Exd Components



隔爆Ex元件选型指南  
Ex-proof Electronic Components Selection-guide



→ BST80系列 Series



|                                |                                                                                                                                                                                                                                                             |                                                                                                                                                            |                                                                                                              |
|--------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|
| 产品系列<br>Product Series         |    |                                                                                                                                                            |                                                                                                              |
|                                | BST8011                                                                                                                                                                                                                                                     | BST8012                                                                                                                                                    | BST8013                                                                                                      |
| 产品名称<br>Item                   | 防爆信号灯<br>Ex-proof Signal Light                                                                                                                                                                                                                              | 防爆按钮<br>Ex-proof Button                                                                                                                                    | 防爆急停按钮<br>Ex-proof Emergency Button                                                                          |
| 材质<br>Material                 | 铝合金 Aluminium Alloy ADC12<br>不锈钢 Stainless Steel 304 316 316L                                                                                                                                                                                               |                                                                                                                                                            |                                                                                                              |
| 技术要求<br>Technical Requirements | 额定电压 Rated Voltage:<br>AC110V-230V<br>AC/DC12-48V<br>颜色: 绿, 红, 黄, 蓝, 白<br>Colors:<br>Green, Red, Yellow, Blue, White                                                                                                                                        | 额定电流 Rated Current: ≤10A<br>颜色: 绿, 红, 黄, 蓝, 白<br>Colors:<br>Green, Red, Yellow, Blue, White<br>触点 Touching Point:<br>一常开/一常闭 NO/NC<br>二常开 2 NO<br>二常闭 2 NC | 额定电流 Rated Current: ≤10A<br>颜色: 红 Colors: Red<br>触点 Touching Point:<br>一常开/一常闭 NO/NC<br>二常开 2 NO<br>二常闭 2 NC |
| 认证类别<br>Certification Category | IECEX<br>ATEX<br>CCC<br>防爆合格证<br>Explosion-proof Certificate                                                                                                                                                                                                |                                                                                                                                                            |                                                                                                              |
| 防爆标志<br>Ex-Mark                | Ex db IIC Gb<br>Ex tb IIIC Db                                                                                                                                                                                                                               |                                                                                                                                                            |                                                                                                              |
| 防护等级<br>IP Rating              | IP66                                                                                                                                                                                                                                                        |                                                                                                                                                            |                                                                                                              |
| 工作温度<br>Operating Temperature  | -55 C ~+130 C                                                                                                                                                                                                                                               |                                                                                                                                                            |                                                                                                              |
| 螺纹规格<br>Thread Type            | M30X1.5                                                                                                                                                                                                                                                     |                                                                                                                                                            |                                                                                                              |
| 详细页码<br>Page Number            | P152                                                                                                                                                                                                                                                        | P153                                                                                                                                                       | P154                                                                                                         |



→ BST80系列 Series

|                                |                                                                                                                                                                                                          |  |                                                                                                                                  |  |
|--------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------------------------------------------------------|--|
| 产品系列<br>Product Series         |                                                                                                                         |  |                                               |  |
|                                | BST8014                                                                                                                                                                                                  |  | BST8015                                                                                                                          |  |
| 产品名称<br>Item                   | 防爆带灯按钮<br>Ex-proof Emergency Illuminated Button                                                                                                                                                          |  | 防爆开关<br>Ex-proof Switch                                                                                                          |  |
| 材质<br>Material                 | 铝合金 Aluminium Alloy ADC12<br>不锈钢 Stainless Steel 304 316 316L                                                                                                                                            |  |                                                                                                                                  |  |
| 技术要求<br>Technical Requirements | 额定电压 Rated Voltage:<br>AC110V-230V/AC/DC12-48V<br>额定电流 Rated Current: ≤10A<br>颜色: 绿, 红, 黄, 蓝, 白<br>Colors:<br>Green, Red, Yellow, Blue, White<br>触点 Touching Point:<br>一常开/一常闭 NO/NC<br>二常开 2 NO 二常闭 2NC |  | 额定电流 Rated Current: ≤10A<br>颜色: 本色<br>Color: Original<br>触点: 详细见开关代号表1<br>Touching Point:<br>Please refer to Switch Code Sheet 1 |  |
|                                | IECEX<br>ATEX<br>CCC<br>防爆合格证<br>Explosion-proof Certificate                                                                                                                                             |  |                                                                                                                                  |  |
| 防爆标志<br>Ex-Mark                | Ex db IIC Gb<br>Ex tb IIIC Db                                                                                                                                                                            |  |                                                                                                                                  |  |
| 防护等级<br>IP Rating              | IP66                                                                                                                                                                                                     |  |                                                                                                                                  |  |
| 工作温度<br>Operating Temperature  | -55℃ ~ +130℃                                                                                                                                                                                             |  |                                                                                                                                  |  |
| 螺纹规格<br>Thread Type            | M30X1.5                                                                                                                                                                                                  |  |                                                                                                                                  |  |
| 详细页码<br>Page Number            | P155                                                                                                                                                                                                     |  | P156-P157                                                                                                                        |  |



→ BST80系列 Series

|                                |                                                                                                                                 |  |                                                                                     |  |
|--------------------------------|---------------------------------------------------------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------------|--|
| 产品系列<br>Product Series         |                                              |  |  |  |
|                                | BST8016                                                                                                                         |  | BST8017                                                                             |  |
| 产品名称<br>Item                   | 防爆转换开关<br>Ex-proof Change-over Switch                                                                                           |  | 防爆观察窗模块<br>Ex-proof Viewing Window                                                  |  |
| 材质<br>Material                 | 铝合金 Aluminium Alloy ADC12<br>不锈钢 Stainless Steel 304 316 316L                                                                   |  |                                                                                     |  |
| 技术要求<br>Technical Requirements | 额定电流 Rated Current: ≤10A<br>颜色: 本色<br>Color: Original<br>触点: 详见开关代号表2<br>Touching Point:<br>Please refer to Switch Code Sheet 2 |  | 适用于48型或72型仪表<br>Suitable for Meter Type 48 or 72                                    |  |
| 认证类别<br>Certification Category | IECEX<br>ATEX<br>CCC<br>防爆合格证<br>Explosion-proof Certificate                                                                    |  |                                                                                     |  |
| 防爆标志<br>Ex-Mark                | Ex db IIC Gb<br>Ex tb IIIC Db                                                                                                   |  |                                                                                     |  |
| 防护等级<br>IP Rating              | IP66                                                                                                                            |  |                                                                                     |  |
| 工作温度<br>Operating Temperature  | -55℃ ~+130℃                                                                                                                     |  |                                                                                     |  |
| 螺纹规格<br>Thread Type            | M30X1.5                                                                                                                         |  | M90X2.0<br>M123X2.0                                                                 |  |
| 详细页码<br>Page Number            | P158-P163                                                                                                                       |  | P164                                                                                |  |



型号含义  
Model Meaning



| → BST80系列 Series                                        |                       |                                                       |                                                                  |                                                                                                                                                                      |                                                                            |                                                                                    |
|---------------------------------------------------------|-----------------------|-------------------------------------------------------|------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------|------------------------------------------------------------------------------------|
| IEC Exd IEC Exd ATEX ATEX CCC CCC RoHS RoHS REACH REACH |                       |                                                       |                                                                  |                                                                                                                                                                      |                                                                            |                                                                                    |
| BST8011 系列 Series                                       |                       |                                                       |                                                                  |                                                                                                                                                                      |                                                                            |                                                                                    |
| BST                                                     | 80                    | 11                                                    | □                                                                | □                                                                                                                                                                    | □                                                                          | □                                                                                  |
| 倍仕得<br>BEISIT                                           | Ex元件<br>Ex-components | 防爆信号灯<br>Ex-proof<br>Signal Light                     | 标准型 Standard Model                                               | 电压 Voltage<br>1: AC220-380V<br>2: AC/DC 24-36V                                                                                                                       | 材质 Material<br>1: 铝合金 Aluminium Alloy 6063<br>2: 不锈钢 Stainless Steel       | 颜色 Colors<br>R: 红色 Red<br>G: 绿色 Green<br>Y: 黄色 Yellow<br>B: 蓝色 Blue<br>W: 白色 White |
| BST8012 系列 Series                                       |                       |                                                       |                                                                  |                                                                                                                                                                      |                                                                            |                                                                                    |
| BST                                                     | 80                    | 12                                                    | □                                                                | □                                                                                                                                                                    | □                                                                          | □                                                                                  |
| 倍仕得<br>BEISIT                                           | Ex元件<br>Ex-components | 防爆按钮<br>Ex-proof Button                               | 电压 Voltage<br>1: AC 690V<br>2: DC 220V                           | 触点类型 Switching Mode<br>0: 一常开/一常闭<br>one Normal Open,<br>one Normal Close<br>1: 二常开 Two Normal Open<br>2: 二常闭 Two Normal Clos                                        | 材质 Material<br>1: 铝合金<br>Aluminium Alloy 6063<br>2: 不锈钢<br>Stainless Steel | 颜色 Colors<br>R: 红色 Red<br>G: 绿色 Green<br>Y: 黄色 Yellow<br>B: 蓝色 Blue<br>W: 白色 White |
| BST8013 系列 Series                                       |                       |                                                       |                                                                  |                                                                                                                                                                      |                                                                            |                                                                                    |
| BST                                                     | 80                    | 13                                                    | □                                                                | □                                                                                                                                                                    | □                                                                          | □                                                                                  |
| 倍仕得<br>BEISIT                                           | Ex元件<br>Ex-components | 防爆急停按钮<br>Ex-proof<br>Emergency Button                | 电压 Voltage<br>1: AC 690V<br>2: DC 220V                           | 触点类型 Switching Mode<br>0: 一常开/一常闭<br>one Normal Open,<br>one Normal Close<br>1: 二常开 Two Normal Open<br>2: 二常闭 Two Normal Clos                                        | 材质 Material<br>1: 铝合金<br>Aluminium Alloy 6063<br>2: 不锈钢<br>Stainless Steel | 颜色 Colors<br>R: 红色 Red<br>G: 绿色 Green<br>B: 黑色 Black                               |
| BST8014 系列 Series                                       |                       |                                                       |                                                                  |                                                                                                                                                                      |                                                                            |                                                                                    |
| BST                                                     | 80                    | 14                                                    | □                                                                | □                                                                                                                                                                    | □                                                                          | □                                                                                  |
| 倍仕得<br>BEISIT                                           | Ex元件<br>Ex-components | 防爆带灯按钮<br>Ex-proof<br>Emergency<br>Illuminated Button | 电压 Voltage<br>1: AC 690V<br>2: DC 220V                           | 触点类型 Switching Mode<br>0: 一常开/一常闭<br>one Normal Open,<br>one Normal Close<br>1: 二常开 Two Normal Open<br>2: 二常闭 Two Normal Clos                                        | 材质 Material<br>1: 铝合金<br>Aluminium Alloy 6063<br>2: 不锈钢<br>Stainless Steel | 颜色 Colors<br>R: 红色 Red<br>G: 绿色 Green<br>Y: 黄色 Yellow<br>B: 蓝色 Blue<br>W: 白色 White |
| BST8015 系列 Series                                       |                       |                                                       |                                                                  |                                                                                                                                                                      |                                                                            |                                                                                    |
| BST                                                     | 80                    | 15                                                    | □                                                                | □                                                                                                                                                                    | □                                                                          | □                                                                                  |
| 倍仕得<br>BEISIT                                           | Ex元件<br>Ex-components | 防爆开关<br>Ex-proof Switch                               | 电压 Voltage<br>1: AC 690V<br>2: DC 220V                           | 触点类型 Switching Mode<br>0: 开关代号 Switch Code<br>1: 开关代号 Switch Code<br>2: 开关代号 Switch Code<br>详见见开关代号说明<br>For Details, Please Refer to<br>The Switch Code Description | 材质 Material<br>1: 铝合金<br>Aluminium Alloy 6063<br>2: 不锈钢<br>Stainless Steel | 颜色 Colors<br>N: 本色<br>Original Corlor                                              |
| BST8016 系列 Series                                       |                       |                                                       |                                                                  |                                                                                                                                                                      |                                                                            |                                                                                    |
| BST                                                     | 80                    | 16                                                    | □                                                                | □                                                                                                                                                                    | □                                                                          | □                                                                                  |
| 倍仕得<br>BEISIT                                           | Ex元件<br>Ex-components | 防爆转换开关<br>Ex-proof<br>Change-over Switch              | 电压 Voltage<br>1: AC 690V<br>2: DC 220V                           | 触点类型 Switching Mode<br>0: 开关代号 Switch Code<br>1: 开关代号 Switch Code<br>2: 开关代号 Switch Code<br>详见见开关代号说明<br>For Details, Please Refer to<br>The Switch Code Description | 材质 Material<br>1: 铝合金<br>Aluminium Alloy 6063<br>2: 不锈钢<br>Stainless Steel | 颜色 Colors<br>N: 本色<br>Original Corlor                                              |
| BST8017 系列 Series                                       |                       |                                                       |                                                                  |                                                                                                                                                                      |                                                                            |                                                                                    |
| BST                                                     | 80                    | 17                                                    | □                                                                | □                                                                                                                                                                    | □                                                                          | □                                                                                  |
| 倍仕得<br>BEISIT                                           | Ex元件<br>Ex-components | 防爆观察窗模块<br>Ex-proof<br>Viewing Window                 | 仪表属性 Model Number<br>1: 电流表 Ammeter<br>2: 电压表 Voltmeter<br>3: 其他 | 仪表类型 Type of Meters<br>1: 48表 48 Type Meter<br>2: 72表 72 Type Meter                                                                                                  | 材质 Material<br>1: 铝合金<br>Aluminium Alloy 6063<br>2: 不锈钢<br>Stainless Steel | 颜色 Colors<br>N: 本色<br>Original Corlor                                              |



隔爆Ex元件(防爆信号灯)  
Ex-proof Signal Light

→ BST8011系列 Series

IECEx

ATEX

CCC

RoHS

REACH

符合标准 Standard Complied:

IEC 60079-0,IEC 60079-1,IEC 60079-7,IEC 60079-15,IEC 60079-31;

适用范围 Application Scope:

EN 60079-0,EN 60079-1,EN 60079-7,EN 60079-15,EN 60079-31  
GB/T 3836.1、GB/T 3836.2、GB/T 3836.3、GB/T 3836.31  
适用于气体1、2区；粉尘21、22区  
Suitable for Gas Zones 1 and 2; Dust Zones 20, 21, and 22

防护等级 IP Rating:

IP66

抗冲击性能 Impact Resistance:

7J

工作温度 Operating Temperature:

-60℃~+130℃

认证数据 Authentication Certificate

| 认证类别 Certificate Type | 防爆标志 Ex-Mark                                    | 认证类别 Certificate Type                | 防爆标志 Ex-Mark                  |
|-----------------------|-------------------------------------------------|--------------------------------------|-------------------------------|
| IECEx证书 Certificate   | Ex db IIC Gb<br>Ex tb IIIC Db                   | CCC证书 Certificate                    | Ex db IIC Gb<br>Ex tb IIIC Db |
| ATEX证书 Certificate    | Ⓜ II 2 G Ex db IIC Gb<br>Ⓜ II 2 D Ex tb IIIC Db | 防爆合格证<br>Explosion-proof certificate | Ex db IIC Gb<br>Ex tb IIIC Db |

开孔数据 Hole Opening Data

| 螺纹规格<br>Ex-proof thread | 材质<br>Material         | 额定功率<br>Rated Current | 额定电压<br>Rated Voltage | 额定频率<br>Rated Frequency | 颜色<br>Colors                                      | 订货号<br>Part Number                                                      |
|-------------------------|------------------------|-----------------------|-----------------------|-------------------------|---------------------------------------------------|-------------------------------------------------------------------------|
| M30*1.5                 | 铝合金<br>Aluminium Alloy | 功率≤1W<br>Power≤1W     | AC/DC 24-36V          | 50/60HZ                 | 绿 Green<br>红 Red<br>黄 Yellow<br>蓝 Blue<br>白 White | BST8011111R<br>BST8011111G<br>BST8011111Y<br>BST8011111B<br>BST8011111W |
| M30*1.5                 | 铝合金<br>Aluminium Alloy | 功率≤1W<br>Power≤1W     | AC 220-380V           | 50/60HZ                 | 绿 Green<br>红 Red<br>黄 Yellow<br>蓝 Blue<br>白 White | BST8011121R<br>BST8011121G<br>BST8011121Y<br>BST8011121B<br>BST8011121W |
| M30*1.5                 | 不锈钢<br>Stainless Steel | 功率≤1W<br>Power≤1W     | AC/DC 24-36V          | 50/60HZ                 | 绿 Green<br>红 Red<br>黄 Yellow<br>蓝 Blue<br>白 White | BST8011112R<br>BST8011112G<br>BST8011112Y<br>BST8011112B<br>BST8011112W |
| M30*1.5                 | 不锈钢<br>Stainless Steel | 功率≤1W<br>Power≤1W     | AC 220-380V           | 50/60HZ                 | 绿 Green<br>红 Red<br>黄 Yellow<br>蓝 Blue<br>白 White | BST8011122R<br>BST8011122G<br>BST8011122Y<br>BST8011122B<br>BST8011122W |

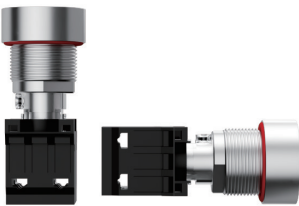
外形图样 Appearance

隔爆Ex元件(防爆按钮)  
Ex-proof Button



→ BST8012系列 Series

符合标准 Standard Complied: IEC 60079-0,IEC 60079-1,IEC 60079-7,IEC 60079-15,IEC 60079-31;  
适用范围 Application Scope: EN 60079-0,EN 60079-1,EN 60079-7,EN 60079-15,EN 60079-31  
GB/T 3836.1、GB/T 3836.2、GB/T 3836.3、GB/T 3836.31  
适用于气体1、2区；粉尘21、22区  
Suitable for Gas Zones 1 and 2; Dust Zones 20, 21, and 22  
防护等级 IP Rating: IP66  
抗冲击性能 Impact Resistance: 7J  
工作温度 Operating Temperature: -60℃~+130℃

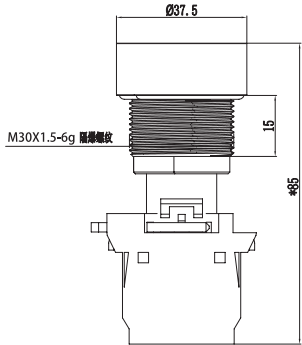
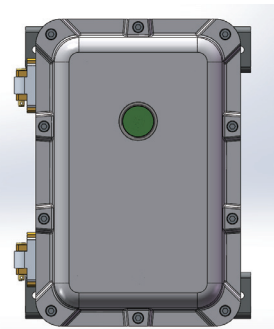
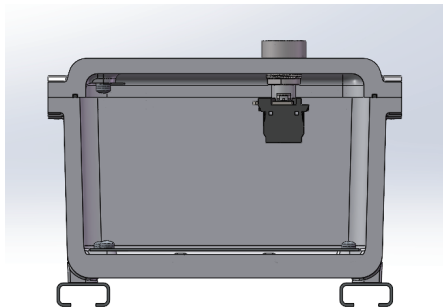


| 认证数据 Authentication Certificate |                                                 |                                      |                               |
|---------------------------------|-------------------------------------------------|--------------------------------------|-------------------------------|
| 认证类别 Certificate Type           | 防爆标志 Ex-Mark                                    | 认证类别 Certificate Type                | 防爆标志 Ex-Mark                  |
| IECEx证书 Certificate             | Ex db IIC Gb<br>Ex tb IIIC Db                   | CCC证书 Certificate                    | Ex db IIC Gb<br>Ex tb IIIC Db |
| ATEX证书 Certificate              | Ⓜ II 2 G Ex db IIC Gb<br>Ⓜ II 2 D Ex tb IIIC Db | 防爆合格证<br>Explosion-proof Certificate | Ex db IIC Gb<br>Ex tb IIIC Db |

开孔数据 Hole opening Data

| 螺纹规格<br>Ex-proof thread | 材质<br>Material         | 最大电压<br>Max Current | 最大电流<br>Rated Voltage | 触点类型<br>Switching mode | 颜色<br>Colors                                      | 订货号<br>Part Number                                                      |
|-------------------------|------------------------|---------------------|-----------------------|------------------------|---------------------------------------------------|-------------------------------------------------------------------------|
| M30*1.5                 | 铝合金<br>Aluminium Alloy | 690V                | 10A                   | 一常开/一常闭<br>NO/NC       | 绿 Green<br>红 Red<br>黄 Yellow<br>蓝 Blue<br>白 White | BST8012101G<br>BST8012101R<br>BST8012101Y<br>BST8012101B<br>BST8012101W |
| M30*1.5                 | 铝合金<br>Aluminium Alloy | 690V                | 10A                   | 二常开<br>2NO             | 绿 Green<br>红 Red<br>黄 Yellow<br>蓝 Blue<br>白 White | BST8012111G<br>BST8012111R<br>BST8012111Y<br>BST8012111B<br>BST8012111W |
| M30*1.5                 | 不锈钢<br>Stainless Steel | 690V                | 10A                   | 一常开/一常闭<br>NO/NC       | 绿 Green<br>红 Red<br>黄 Yellow<br>蓝 Blue<br>白 White | BST8012102G<br>BST8012102R<br>BST8012102Y<br>BST8012102B<br>BST8012102W |
| M30*1.5                 | 不锈钢<br>Stainless Steel | 690V                | 10A                   | 二常开<br>2NO             | 绿 Green<br>红 Red<br>黄 Yellow<br>蓝 Blue<br>白 White | BST8012112G<br>BST8012112R<br>BST8012112Y<br>BST8012112B<br>BST8012112W |

外形图样 Appearance

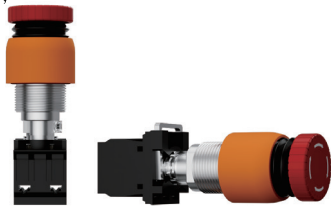


隔爆Ex元件(防爆急停按钮)  
Ex-proof Emergency Button



→ BST8013系列 Series

符合标准 Standard Complied: IEC 60079-0,IEC 60079-1,IEC 60079-7,IEC 60079-15,IEC 60079-31;  
适用范围 Application Scope: EN 60079-0,EN 60079-1,EN 60079-7,EN 60079-15,EN 60079-31  
GB/T 3836.1、GB/T 3836.2、GB/T 3836.3、GB/T 3836.31  
适用于气体1、2区；粉尘21、22区  
Suitable for Gas Zones 1 and 2; Dust Zones 20, 21, and 22  
防护等级 IP Rating: IP66  
抗冲击性能 Impact Resistance: 7J  
工作温度 Operating Temperature: -60℃~+130℃

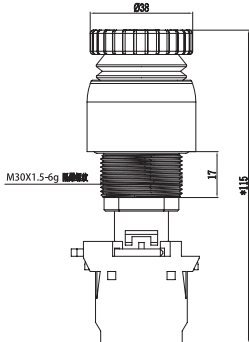
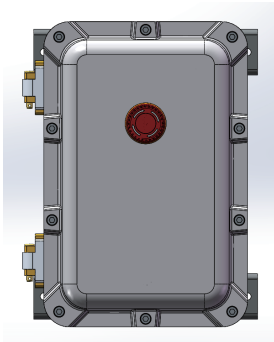
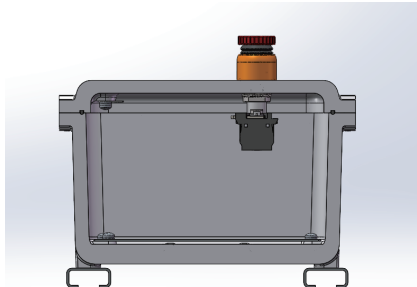


| 认证数据 Authentication Certificate |                                                 |                                      |                               |
|---------------------------------|-------------------------------------------------|--------------------------------------|-------------------------------|
| 认证类别 Certificate Type           | 防爆标志 Ex-Mark                                    | 认证类别 Certificate Type                | 防爆标志 Ex-Mark                  |
| IECEx证书 Certificate             | Ex db IIC Gb<br>Ex tb IIIC Db                   | CCC证书 Certificate                    | Ex db IIC Gb<br>Ex tb IIIC Db |
| ATEX证书 Certificate              | Ⓜ II 2 G Ex db IIC Gb<br>Ⓜ II 2 D Ex tb IIIC Db | 防爆合格证<br>Explosion-proof Certificate | Ex db IIC Gb<br>Ex tb IIIC Db |

开孔数据 Hole Opening Data

| 螺纹规格<br>Ex-proof thread | 材质<br>Material         | 最大电压<br>Max Current | 最大电流<br>Rated Voltage | 触点类型<br>Switching mode | 颜色<br>Colors               | 订货号<br>Part Number                        |
|-------------------------|------------------------|---------------------|-----------------------|------------------------|----------------------------|-------------------------------------------|
| M30*1.5                 | 铝合金<br>Aluminium Alloy | 690V                | 10A                   | 一常开/一常闭<br>NO/NC       | 绿 Green<br>红 Red<br>黑 Back | BST8013101G<br>BST8013101R<br>BST8013101H |
| M30*1.5                 | 铝合金<br>Aluminium Alloy | 690V                | 10A                   | 二常开<br>2NO             | 绿 Green<br>红 Red<br>黑 Back | BST8013111G<br>BST8013111R<br>BST8013111H |
| M30*1.5                 | 不锈钢<br>Stainless Steel | 690V                | 10A                   | 一常开/一常闭<br>NO/NC       | 绿 Green<br>红 Red<br>黑 Back | BST8013102G<br>BST8013102R<br>BST8013102H |
| M30*1.5                 | 不锈钢<br>Stainless Steel | 690V                | 10A                   | 二常开<br>2NO             | 绿 Green<br>红 Red<br>黑 Back | BST8013112G<br>BST8013112R<br>BST8013112H |

外形图样 Appearance

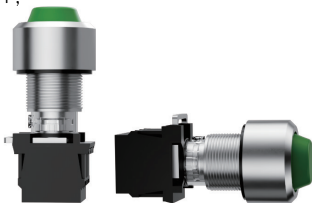


隔爆Ex元件(防爆带灯按钮)  
Ex-proof Emergency Illuminated Button



→ BST8014系列 Series

符合标准 Standard Complied: IEC 60079-0,IEC 60079-1,IEC 60079-7,IEC 60079-15,IEC 60079-31;  
适用范围 Application Scope: EN 60079-0,EN 60079-1,EN 60079-7,EN 60079-15,EN 60079-31  
GB/T 3836.1、GB/T 3836.2、GB/T 3836.3、GB/T 3836.31  
适用于气体1、2区；粉尘21、22区  
Suitable for Gas Zones 1 and 2; Dust Zones 20, 21, and 22  
防护等级 IP Rating: IP66  
抗冲击性能 Impact Resistance: 7J  
工作温度 Operating Temperature: -60℃~+130℃



| 认证数据 Authentication Certificate |                                                 |                                      |                               |
|---------------------------------|-------------------------------------------------|--------------------------------------|-------------------------------|
| 认证类别 Certificate Type           | 防爆标志 Ex-Mark                                    | 认证类别 Certificate Type                | 防爆标志 Ex-Mark                  |
| IECEx证书 Certificate             | Ex db IIC Gb<br>Ex tb IIIC Db                   | CCC证书 Certificate                    | Ex db IIC Gb<br>Ex tb IIIC Db |
| ATEX证书 Certificate              | Ⓜ II 2 G Ex db IIC Gb<br>Ⓜ II 2 D Ex tb IIIC Db | 防爆合格证<br>Explosion-proof Certificate | Ex db IIC Gb<br>Ex tb IIIC Db |

开孔数据 Hole Opening Data

| 螺纹规格<br>Ex-proof thread | 材质<br>Material         | 信号灯电压<br>Rated Current | 信号灯电流<br>Rated Voltage | 触点类型<br>Switching mode | 颜色<br>Colors                                      | 订货号<br>Part Number                                                      |
|-------------------------|------------------------|------------------------|------------------------|------------------------|---------------------------------------------------|-------------------------------------------------------------------------|
| M30*1.5                 | 铝合金<br>Aluminium Alloy | AC220-380V             | 4A                     | 一常开/一常闭<br>NO/NC       | 绿 Green<br>红 Red<br>黄 Yellow<br>蓝 Blue<br>白 White | BST8014101G<br>BST8014101R<br>BST8014101Y<br>BST8014101B<br>BST8014101W |
| M30*1.5                 | 铝合金<br>Aluminium Alloy | AC220-380V             | 4A                     | 二常开<br>2NO             | 绿 Green<br>红 Red<br>黄 Yellow<br>蓝 Blue<br>白 White | BST8014111G<br>BST8014111R<br>BST8014111Y<br>BST8014111B<br>BST8014111W |
| M30*1.5                 | 不锈钢<br>Stainless Steel | AC/DC 24-36V           | 5A                     | 一常开/一常闭<br>NO/NC       | 绿 Green<br>红 Red<br>黄 Yellow<br>蓝 Blue<br>白 White | BST8014202G<br>BST8014202R<br>BST8014202Y<br>BST8014202B<br>BST8014202W |
| M30*1.5                 | 不锈钢<br>Stainless Steel | AC/DC 24-36V           | 5A                     | 二常开<br>2NO             | 绿 Green<br>红 Red<br>黄 Yellow<br>蓝 Blue<br>白 White | BST8014212G<br>BST8014212R<br>BST8014212Y<br>BST8014212B<br>BST8014212W |

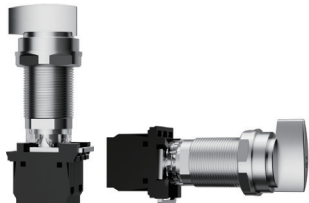
外形图样 Appearance



隔爆Ex元件(防爆开关)  
Ex-proof Switch

→ BST8015系列 Series

符合标准 Standard Complied: IEC 60079-0,IEC 60079-1,IEC 60079-7,IEC 60079-15,IEC 60079-31;  
适用范围 Application Scope: EN 60079-0,EN 60079-1,EN 60079-7,EN 60079-15,EN 60079-31  
GB/T 3836.1、GB/T 3836.2、GB/T 3836.3、GB/T 3836.31  
适用于气体1、2区；粉尘21、22区  
Suitable for Gas Zones 1 and 2; Dust Zones 20, 21, and 22  
防护等级 IP Rating: IP66  
抗冲击性能 Impact Resistance: 7J  
工作温度 Operating Temperature: -60℃~+130℃



| 认证数据 Authentication Certificate |                                                 |                                      |                               |
|---------------------------------|-------------------------------------------------|--------------------------------------|-------------------------------|
| 认证类别 Certificate Type           | 防爆标志 Ex-Mark                                    | 认证类别 Certificate Type                | 防爆标志 Ex-Mark                  |
| IECEx证书 Certificate             | Ex db IIC Gb<br>Ex tb IIIC Db                   | CCC证书 Certificate                    | Ex db IIC Gb<br>Ex tb IIIC Db |
| ATEX证书 Certificate              | Ⓜ II 2 G Ex db IIC Gb<br>Ⓜ II 2 D Ex tb IIIC Db | 防爆合格证<br>Explosion-proof Certificate | Ex db IIC Gb<br>Ex tb IIIC Db |

开孔数据 Hole Opening Data

| 螺纹规格<br>Ex-proof thread | 材质<br>Material         | 最大电压<br>Max Current | 最大电流<br>Rated Voltage | 触点类型<br>Switching mode                                                                                 | 颜色<br>Colors     | 订货号<br>Part Number                        |
|-------------------------|------------------------|---------------------|-----------------------|--------------------------------------------------------------------------------------------------------|------------------|-------------------------------------------|
| M30*1.5                 | 铝合金<br>Aluminium Alloy | 690V                | 10A                   | A: 开关代号 Switch Code<br>B: 开关代号 Switch Code<br>C: 开关代号 Switch Code<br>如:开关代号 For Example: Switch Code:A | N: 本色 True Color | BST8015101N<br>BST8015111N<br>BST8015121N |
| M30*1.5                 | 不锈钢<br>Stainless Steel | 690V                | 10A                   | A: 开关代号 Switch Code<br>B: 开关代号 Switch Code<br>C: 开关代号 Switch Code<br>如:开关代号 For Example: Switch Code:A | N: 本色 True Color | BST8015201N<br>BST8015211N<br>BST8015221N |

外形图样 Appearance



隔爆Ex元件(防爆开关)  
Ex-proof Switch

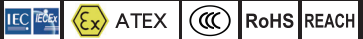


→ BST8015系列 Series

表1 Table 1

| 开关代号<br>Switch Code | 接触图<br>Contact Diagram | 开关位置<br>Switch Position | 开关代号<br>Switch Code | 接触图<br>Contact Diagram | 开关位置<br>Switch Position | 开关代号<br>Switch Code | 接触图<br>Contact Diagram | 开关位置<br>Switch Position |
|---------------------|------------------------|-------------------------|---------------------|------------------------|-------------------------|---------------------|------------------------|-------------------------|
| A                   |                        |                         | B                   |                        |                         | C                   |                        |                         |
| D                   |                        |                         | E                   |                        |                         | F                   |                        |                         |
| G                   |                        |                         | H                   |                        |                         | I                   |                        |                         |
| J                   |                        |                         | K                   |                        |                         | L                   |                        |                         |
| M                   |                        |                         | N                   |                        |                         | O                   |                        |                         |
| P                   |                        |                         | Q                   |                        |                         | R                   |                        |                         |

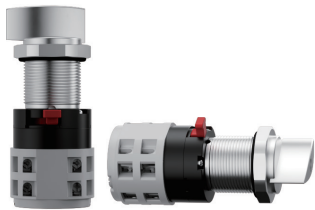
隔爆Ex元件(防爆转换开关)  
Ex-proof Change-over Switch



→ BST8016系列 Series

符合标准 Standard Complied: IEC 60079-0,IEC 60079-1,IEC 60079-7,IEC 60079-15,IEC 60079-31;  
适用范围 Application Scope: EN 60079-0,EN 60079-1,EN 60079-7,EN 60079-15,EN 60079-31  
GB/T 3836.1、GB/T 3836.2、GB/T 3836.3、GB/T 3836.31  
适用于气体1、2区；粉尘21、22区  
Suitable for Gas Zones 1 and 2; Dust Zones 20, 21, and 22

防护等级 IP Rating: IP66  
抗冲击性能 Impact Resistance: 7J  
工作温度 Operating Temperature: -60℃~+130℃



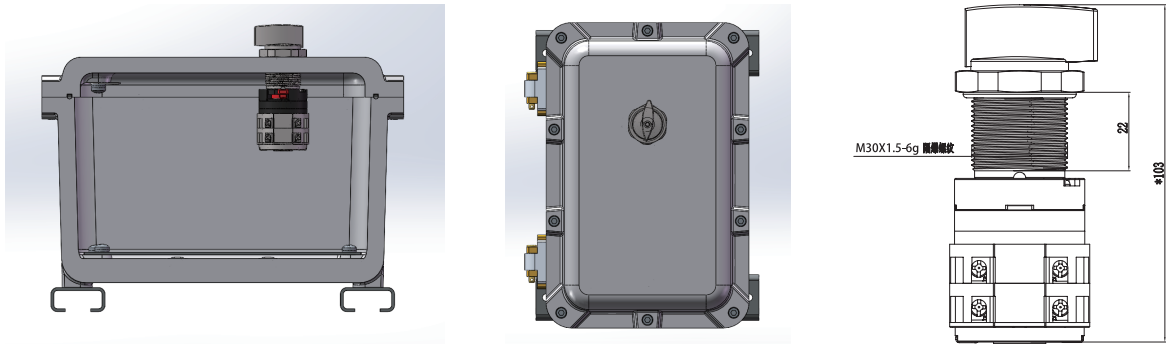
认证数据 Authentication Certificate

| 认证类别 Certificate Type | 防爆标志 Ex-Mark                                    | 认证类别 Certificate Type                | 防爆标志 Ex-Mark                  |
|-----------------------|-------------------------------------------------|--------------------------------------|-------------------------------|
| IECEx证书 Certificate   | Ex db IIC Gb<br>Ex tb IIIC Db                   | CCC证书 Certificate                    | Ex db IIC Gb<br>Ex tb IIIC Db |
| ATEX证书 Certificate    | Ⓜ II 2 G Ex db IIC Gb<br>Ⓜ II 2 D Ex tb IIIC Db | 防爆合格证<br>Explosion-proof Certificate | Ex db IIC Gb<br>Ex tb IIIC Db |

开孔数据 Hole Opening Data

| 螺纹规格<br>Ex-proof thread | 材质<br>Material         | 最大电压<br>Max Current | 最大电流<br>Rated Voltage | 触点类型<br>Switching mode                                                                                 | 颜色<br>Colors     | 订货号<br>Part Number                        |
|-------------------------|------------------------|---------------------|-----------------------|--------------------------------------------------------------------------------------------------------|------------------|-------------------------------------------|
| M30*1.5                 | 铝合金<br>Aluminium Alloy | 690V                | 10A                   | A: 开关代号 Switch Code<br>B: 开关代号 Switch Code<br>C: 开关代号 Switch Code<br>如:开关代号 For Example: Switch Code:A | N: 本色 True Color | BST8016101N<br>BST8016111N<br>BST8016121N |
| M30*1.5                 | 不锈钢<br>Stainless Steel | 690V                | 10A                   | A: 开关代号 Switch Code<br>B: 开关代号 Switch Code<br>C: 开关代号 Switch Code<br>如:开关代号 For Example: Switch Code:A | N: 本色 True Color | BST8016201N<br>BST8016211N<br>BST8016221N |

外形图样 Appearance



隔爆Ex元件(防爆转换开关)  
Ex-proof Change-over Switch



| 表2 Table 2          |                         |                           |                        |                                                                                                                                                                            |
|---------------------|-------------------------|---------------------------|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 开关代号<br>Switch Code | 开关位置<br>Switch Position | 等效开关<br>Equivalent Switch | 接触图<br>Contact Diagram | 等效功能说明<br>Equivalent Functional Description                                                                                                                                |
| A                   |                         |                           |                        | 功能接线均与双按钮相同，自动复位。<br>Wiring functions identical to dual-button switches, with auto-reset.                                                                                  |
| B                   |                         |                           |                        | 功能与双按钮相同，起动自复位，增加了“锁停”档位，防止误操作。<br>Functions same as dual-button switches, with auto-reset on startup and an added "locked stop" position to prevent accidental operation. |
| C                   |                         |                           |                        | 两个常开触点的按钮，自动复位，适合高压电机控制电路用。<br>Two normally open (NO) contact buttons, auto-reset, suitable for high-voltage motor control circuits.                                       |
| D                   |                         |                           |                        | 做小功率电源开关。如小轴流风机、水泵等。<br>Used for low-power supply switching (e.g., small axial fans, pumps).                                                                               |
| E                   |                         |                           |                        | 功能与三按钮相同，控制电机正、反转用，正、反起动自动复位。<br>Functions identical to three-button switches, for motor forward/reverse control with auto-reset.                                          |
| F                   |                         |                           |                        | 选择开关，中间带停止档位。<br>Selector switch with a neutral stop position in the center.                                                                                               |

隔爆Ex元件(防爆转换开关)  
Ex-proof Change-over Switch



| 表2 Table 2          |                         |                           |                        |                                                                                                                                                                     |
|---------------------|-------------------------|---------------------------|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 开关代号<br>Switch Code | 开关位置<br>Switch Position | 等效开关<br>Equivalent Switch | 接触图<br>Contact Diagram | 等效功能说明<br>Equivalent Functional Description                                                                                                                         |
| G                   |                         |                           |                        | 相当于两个按钮和一个切换开关装于一轴，在起动与停止前均可输出联络信号或监控信号。<br>Combines two buttons and a toggle switch on a single shaft, outputs connection or monitoring signals before start/stop. |
| H                   |                         |                           |                        | 旋转方向任意，多信号逐级传送。<br>Rotates freely in any direction, supports multi-signal step-by-step transmission.                                                                |
| I                   |                         |                           |                        | 在H基础上增加了总信号传送功能。<br>Adds master signal transmission functionality based on Switch H.                                                                                |
| J                   |                         |                           |                        | 二进制编码，逐级切换。<br>Binary-coded, step-by-step switching.                                                                                                                |
| K                   |                         |                           |                        | 切换开关。<br>Toggle switch.                                                                                                                                             |
| L                   |                         |                           |                        | 三级双掷选择开关。<br>Three-position bistable selector switch.                                                                                                               |

隔爆Ex元件(防爆转换开关)  
Ex-proof Change-over Switch



→ BST8016系列 Series

表2 Table 2

| 开关代号<br>Switch Code | 开关位置<br>Switch Position | 等效开关<br>Equivalent Switch | 接触图<br>Contact Diagram | 等效功能说明<br>Equivalent Functional Description                                                                                                                                                                              |
|---------------------|-------------------------|---------------------------|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| M                   |                         |                           |                        | 自动、手动、起动三位置转换开关，起动自复位，起动后必须经过停止档位才能转向自动档位。<br>Auto/Manual/Start three-position transfer switch: Start position is self-resetting. After starting, it must pass through the Stop position to switch to the Auto position. |
| N                   |                         |                           |                        | 与M型开关结构略有不同，在手动起动后不经停止档位直接转向自动档位。<br>Differences from M-type switch: After manual start, it can directly switch to Auto position without passing through Stop.                                                           |
| O                   |                         |                           |                        | 起动为双触点自复位，带锁停功能。<br>Start function: Dual contacts with self-resetting and lock-stop capability.                                                                                                                          |
| P                   |                         |                           |                        | 停止为双触点，也可分别代替A或C 起、停均自动复位。<br>Stop function: Dual contacts; can independently replace A or C. Both Start and Stop positions are self-resetting.                                                                          |
| Q                   |                         |                           |                        | 停止带双触点，起动自复位，带锁停档位。<br>Stop with dual contacts: Start is self-resetting, and Stop includes a lock-stop position.                                                                                                         |
| R                   |                         |                           |                        | 起动、停止均带双触点，起动、停止均自动复位。<br>Start/Stop with dual contacts: Both Start and Stop positions are self-resetting.                                                                                                               |

隔爆Ex元件(防爆转换开关)  
Ex-proof Change-over Switch



→ BST8016系列 Series

表2 Table 2

| 开关代号<br>Switch Code | 开关位置<br>Switch Position | 等效开关<br>Equivalent Switch | 接触图<br>Contact Diagram | 等效功能说明<br>Equivalent Functional Description                                                                                                             |
|---------------------|-------------------------|---------------------------|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|
| S                   |                         |                           |                        | 起动、停止前先传递一个联络信号。<br>Pre-operation signal: A linkage signal is transmitted before Start or Stop actions.                                                 |
| T                   |                         |                           |                        | 起动、停止均可带锁定装置，将开关锁定在起动或停止档，避免误操作,不自动复位。<br>Locking Station: Start and Stop positions can be locked to prevent accidental operation (non-self-resetting). |
| U                   |                         |                           |                        | 双控选择开关。<br>Dual-control selector switch.                                                                                                                |
| V                   |                         |                           |                        | 电压换相测量转换开关。<br>Voltage measurement transfer switch. A 2 normally open (NO) self-resetting button, operable from left and right.                         |
| W                   |                         |                           |                        | 一个2常开自复位按钮，左、右操作。<br>Two 2 normally open (NO) self-resetting buttons.                                                                                   |
| X                   |                         |                           |                        | 两个2常开自复位按钮。<br>Two normally open self-reset buttons.                                                                                                    |
| Y                   |                         |                           |                        | 带4个常开触点的自复位按钮。<br>A self-reset button with four normally open contacts.                                                                                 |
| Z                   |                         |                           |                        | 电源开关，中间断开，左、右均接通可作消防开关。<br>The power switch is middle-disconnected, and both left and right positions can serve as fire switches.                       |



隔爆Ex元件(防爆转换开关)  
Ex-proof Change-over Switch



→ BST8016系列 Series

表2 Table 2

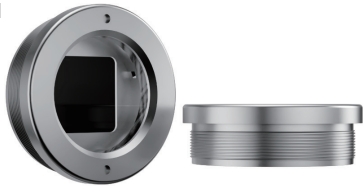
| 开关代号<br>Switch Code | 开关位置<br>Switch Position | 等效开关<br>Equivalent Switch | 接触图<br>Contact Diagram | 等效功能说明<br>Equivalent Functional Description                                                                                                                                       |
|---------------------|-------------------------|---------------------------|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| a                   |                         |                           |                        | 可用于起动、点动混合电路。<br>It can be used in the starting and inching mixed circuit.                                                                                                        |
| b                   |                         |                           |                        | 双联自动开关。<br>Double-linked automatic switch.                                                                                                                                        |
| c                   |                         |                           |                        | 三个复位按钮，适用于降压起动电路。<br>Three reset buttons, which are suitable for the step-down starting circuit.                                                                                  |
| d                   |                         |                           |                        | 急停时使用，左、右操作均断开。<br>For emergency stop. Disconnects on both left and right operations.                                                                                             |
| e                   |                         |                           |                        | 两常开触点的按钮，自动复位，带组信号触点，适用于高压电机控制。<br>A button with two normally open contacts and automatic reset, equipped with a set of signal contacts, suitable for high-voltage motor control. |

隔爆Ex元件(隔爆观察窗模块)  
Ex-proof Viewing Window



→ BST8017系列 Series

符合标准 Standard Complied: IEC 60079-0, IEC 60079-1, IEC 60079-7, IEC 60079-15, IEC 60079-31;  
适用范围 Application Scope: EN 60079-0, EN 60079-1, EN 60079-7, EN 60079-15, EN 60079-31  
GB/T 3836.1、GB/T 3836.2、GB/T 3836.3、GB/T 3836.31  
适用于气体1、2区；粉尘21、22区  
Suitable for Gas Zones 1 and 2; Dust Zones 20, 21, and 22  
防护等级 IP Rating: IP66  
抗冲击性能 Impact Resistance: 7J  
工作温度 Operating Temperature: -60℃~+130℃



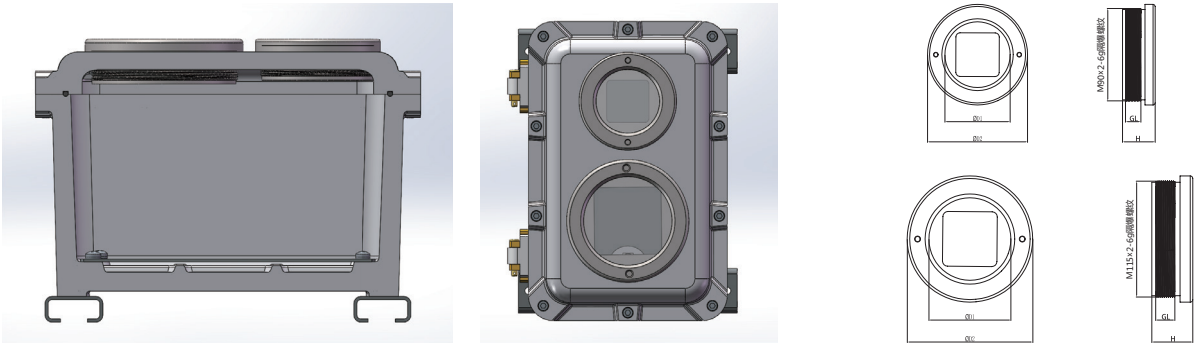
认证数据 Authentication Certificate

| 认证类别 Certificate Type | 防爆标志 Ex-Mark                                    | 认证类别 Certificate Type                | 防爆标志 Ex-Mark                  |
|-----------------------|-------------------------------------------------|--------------------------------------|-------------------------------|
| IECEx证书 Certificate   | Ex db IIC Gb<br>Ex tb IIIC Db                   | CCC证书 Certificate                    | Ex db IIC Gb<br>Ex tb IIIC Db |
| ATEX证书 Certificate    | Ⓜ II 2 G Ex db IIC Gb<br>Ⓜ II 2 D Ex tb IIIC Db | 防爆合格证<br>Explosion-proof Certificate | Ex db IIC Gb<br>Ex tb IIIC Db |

开孔数据 Hole Opening Data

| 螺纹规格<br>Ex-proof thread | 材质<br>Material         | 仪表类型<br>Rated Current | 额定电压<br>Rated Voltage | 额定频率<br>Switching mode | 颜色<br>Colors     | 订货号<br>Part Number         |
|-------------------------|------------------------|-----------------------|-----------------------|------------------------|------------------|----------------------------|
| M90×2.0                 | 铝合金<br>Aluminium Alloy | 48表                   | AC/DC 24-36V          | 50/60HZ                | N: 本色 True Color | BST8017111N<br>BST8017211N |
| M123×2.0                | 铝合金<br>Aluminium Alloy | 72表                   | AC 220-380V           | 50/60HZ                | N: 本色 True Color | BST8017121N<br>BST8017221N |
| M90×2.0                 | 不锈钢<br>Stainless Steel | 48表                   | AC/DC 24-36V          | 50/60HZ                | N: 本色 True Color | BST8017112N<br>BST8017212N |
| M123×2.0                | 不锈钢<br>Stainless Steel | 72表                   | AC 220-380V           | 50/60HZ                | N: 本色 True Color | BST8017122N<br>BST8017222N |

外形图样 Appearance



防水防尘防腐箱  
Waterproof, Dustproof and Anti-corrosion Junction Box



防水防尘防腐箱选型指南  
Waterproof, Dustproof and Anti-corrosion Junction Box Selection-guide

→ BST5110/20/30F系列 Series

|                          |                                                                                                              |                                                                                                              |                                                                                                              |
|--------------------------|--------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|
| 产品系列<br>Product Series   | <br>BST5110F<br>系列 Series | <br>BST5120F<br>系列 Series | <br>BST5130F<br>系列 Series |
| 材质<br>Material           | 铸铝<br>Cast Aluminium(ADC12)                                                                                  | 玻璃纤维增强聚酯<br>Glass Fiber Reinforced Polyester                                                                 | 不锈钢<br>Stainless Steel (304/316/316L)                                                                        |
| 密封材质<br>Sealing Material | 硅胶<br>Silicone Rubber                                                                                        | 硅胶<br>Silicone Rubber                                                                                        | PU<br>点胶硅胶<br>平板硅胶<br>Dispensing Silicone Rubber<br>Normal Silicone Rubber                                   |
| 防护等级<br>IP Rating        | IP66                                                                                                         |                                                                                                              |                                                                                                              |
| 箱体编号<br>Box Number       | 1#~29#                                                                                                       | 1#~21#                                                                                                       | 1#~17#                                                                                                       |
| 详细页码<br>Page Number      | P167-P168                                                                                                    | P169-P171                                                                                                    | P172-P173                                                                                                    |

| 型号含义 Model Meaning                                                                                          |                                                    |                                      |                                                                                                                                                 |                                                       |                                                                                                                 |                                                                                          |
|-------------------------------------------------------------------------------------------------------------|----------------------------------------------------|--------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
| BST                                                                                                         | □                                                  | □                                    | □                                                                                                                                               | □                                                     | □                                                                                                               | □                                                                                        |
| ▼                                                                                                           | ▼                                                  | ▼                                    | ▼                                                                                                                                               | ▼                                                     | ▼                                                                                                               | ▼                                                                                        |
| 倍仕得<br>BEISIT                                                                                               | 名称 Name<br>5: 箱 (盒)<br>Junction Box<br>(Enclosure) | 属性 Stats<br>1: 整机<br>Empty Container | 材质 Material<br>10: 铸铝<br>Cast Aluminium(ADC12)<br>20: 玻璃纤维增强聚酯<br>Glass Fiber Reinforced Polyester<br>30: 不锈钢<br>Stainless Steel (304、316、316L) | 箱体尺寸代码<br>Box Size Code<br>01#<br>02#<br>03#<br>..... | 结构形式 Structure Form<br>1: 螺钉式<br>Screw Type<br>2: 螺钉+铰链式<br>Screw + Hinge Type<br>3: 锁+铰链式<br>Lock + Hinge Type | 功能类别<br>Function Category<br>F: 防水防尘防腐<br>Waterproof,<br>Dustproof and<br>Anti-corrosion |
| 举例: 01#空箱尺寸64*58*36mm, 型号即为: BST5010011F<br>For Example: 01# Box Size 64*58*36mm, The Model is: BST5010011F |                                                    |                                      |                                                                                                                                                 |                                                       |                                                                                                                 |                                                                                          |

防水防尘防腐箱  
Waterproof, Dustproof and Anti-corrosion Junction Box



→ BST5110F系列 Series

适用范围 Application Scope: 适用于需要高防护等级和稳定电力供应的工业和环境条件恶劣的场合  
Suitable for Industrial and Harsh Environmental Conditions That Require High Protection Levels and Stable Power Supply

防护等级 IP Rating: IP66

抗冲击性能 Impact Resistance: 7J

工作温度 Operating Temperature: -55℃~+130℃

材料 Material: 铸铝 Cast Aluminium(ADC12)

耐腐蚀性等级 Corrosion resistance level: WF1



功能定义 Function Definition

防水，防尘，防腐箱通常称为三防箱，其主要功能包括：

防水：能够在潮湿环境中工作，防止水分侵入。

防尘：能够有效阻挡灰尘进入箱内，保护电气元件。

防腐：能够抵抗腐蚀性物质的侵蚀，延长使用寿命。

Waterproof, dustproof, and anti-corrosion boxes are usually called three-proof boxes. Their main functions include:

Waterproof: Able to work in a humid environment and prevent moisture intrusion.

Dustproof: Can effectively block dust from entering the box and protect electrical components.

Anti-corrosion: Can resist the erosion of corrosive substances and extend service life.

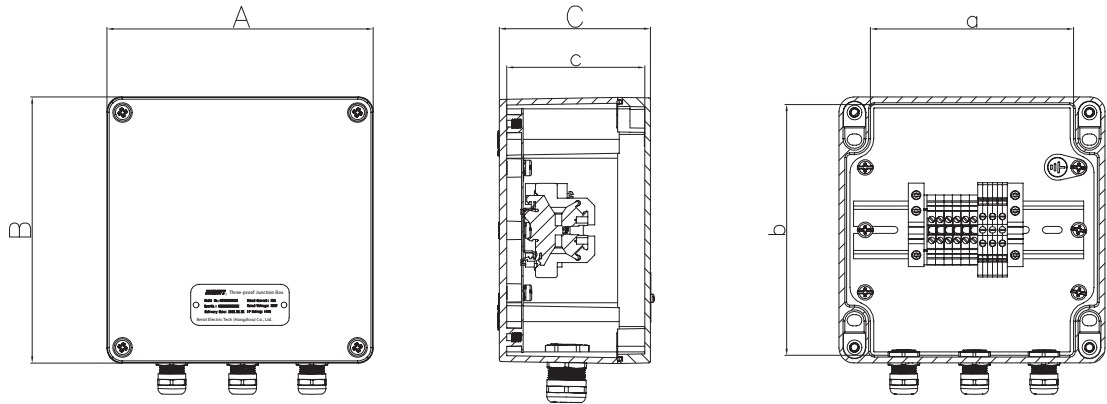
组件数据-标配 Component Data-Standard

| 图样<br>Pattern                                                                       | 名称<br>Item                             | 材料<br>Material                 |
|-------------------------------------------------------------------------------------|----------------------------------------|--------------------------------|
|  | 安装底板<br>Mounting Base Plate            | 镀锌钢板<br>Galvanized Steel Sheet |
|  | 盖板紧固件<br>Fasteners for The Cover Plate | 304不锈钢<br>Stainless Steel      |
|  | 盖板密封条<br>Cover Sealing Strip           | 硅胶<br>Silicone                 |
|  | 接地标识<br>Grounding Indication           | 304不锈钢<br>Stainless Steel      |
|  | 铭牌<br>Nameplate                        | 304不锈钢<br>Stainless Steel      |

组件数据-选配 Component Data-Optional

| 图样<br>Pattern                                                                       | 名称<br>Item                      | 材料<br>Material                 |
|-------------------------------------------------------------------------------------|---------------------------------|--------------------------------|
|  | 安装导轨<br>Installation Guide Rail | 镀锌钢板<br>Galvanized Steel Sheet |
|  | 接线端子<br>Terminal Block          | PA                             |
|  | 电缆固定头<br>Cable Gland            | 金属<br>Metal                    |

外形尺寸 Outline Drawing



防水防尘防腐箱  
Waterproof, Dustproof and Anti-corrosion Junction Box

→ BST5110F系列 Series

开孔数据 Hole Opening Data

| 序号<br>No. | 箱体外形尺寸 Box Dimensions (mm) |          |          | 型号<br>Model | 开孔区域到箱体边最小距离<br>Min. dist. from opening area to box edge (mm) | 电缆固定头安装面<br>Cable gland mount surface<br>F<br>D  E<br>G | 电缆固定头型号 Cable Gland Model |     |      |     |      |     |     |     |     |     |
|-----------|----------------------------|----------|----------|-------------|---------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|-----|------|-----|------|-----|-----|-----|-----|-----|
|           | 长 long A                   | 宽 wide B | 高 high C |             |                                                               |                                                                                                                                            | M12                       | M16 | M16B | M20 | M20B | M25 | M32 | M40 | M50 | M63 |
| 1         | 64                         | 58       | 36       | BST5110011F | 最小距离≥3                                                        | D/E<br>F/G                                                                                                                                 | 1                         | /   | /    | /   | /    | /   | /   | /   | /   | /   |
| 2         | 98                         | 64       | 36       | BST5110021F |                                                               |                                                                                                                                            | 3                         | /   | /    | /   | /    | /   | /   | /   | /   | /   |
| 3         | 150                        | 64       | 36       | BST5110031F |                                                               |                                                                                                                                            | 5                         | /   | /    | /   | /    | /   | /   | /   | /   | /   |
| 4         | 115                        | 65       | 55       | BST5110041F |                                                               |                                                                                                                                            | 4                         | 3   | 3    | 3   | 3    | 2   | /   | /   | /   | /   |
| 5         | 82                         | 77       | 57       | BST5110051F |                                                               |                                                                                                                                            | 1                         | 1   | 1    | /   | /    | /   | /   | /   | /   | /   |
| 6         | 127                        | 82       | 57       | BST5110061F |                                                               |                                                                                                                                            | 3                         | 2   | 2    | 1   | 1    | 1   | /   | /   | /   | /   |
| 7         | 175                        | 80       | 57       | BST5110071F |                                                               |                                                                                                                                            | 7                         | 3   | 3    | 3   | 3    | 2   | /   | /   | /   | /   |
| 8         | 250                        | 80       | 57       | BST5110081F |                                                               |                                                                                                                                            | 2                         | 1   | 1    | 1   | 1    | 1   | /   | /   | /   | /   |
| 9         | 108                        | 80       | 60       | BST5110091F |                                                               |                                                                                                                                            | 11                        | 5   | 5    | 4   | 4    | 3   | /   | /   | /   | /   |
| 10        | 140                        | 80       | 60       | BST5110101F |                                                               |                                                                                                                                            | 3                         | 2   | 2    | 1   | 1    | 1   | /   | /   | /   | /   |
| 11        | 100                        | 100      | 80       | BST5110111F |                                                               |                                                                                                                                            | 18                        | 8   | 8    | 7   | 6    | 5   | /   | /   | /   | /   |
| 12        | 160                        | 100      | 80       | BST5010121F |                                                               |                                                                                                                                            | 3                         | 2   | 2    | 1   | 1    | 1   | /   | /   | /   | /   |
| 13        | 200                        | 100      | 80       | BST5110131F |                                                               |                                                                                                                                            | 5                         | 3   | 3    | 2   | 2    | 2   | /   | /   | /   | /   |
| 14        | 125                        | 125      | 80       | BST5110141F |                                                               |                                                                                                                                            | 2                         | 1   | 1    | 1   | 1    | 1   | /   | /   | /   | /   |
| 15        | 360                        | 120      | 80       | BST5110151F |                                                               |                                                                                                                                            | 10                        | 5   | 5    | 3   | 3    | 2   | /   | /   | /   | /   |
| 16        | 220                        | 125      | 80       | BST5110161F |                                                               |                                                                                                                                            | 2                         | 1   | 1    | 1   | 1    | 1   | /   | /   | /   | /   |
| 17        | 220                        | 140      | 90       | BST5010171F |                                                               |                                                                                                                                            | 8                         | 5   | 5    | 3   | 3    | 2   | /   | /   | /   | /   |
| 18        | 160                        | 160      | 90       | BST5110181F |                                                               |                                                                                                                                            | 5                         | 4   | 4    | 2   | 2    | 1   | /   | /   | /   | /   |
| 19        | 260                        | 160      | 90       | BST5110191F |                                                               |                                                                                                                                            | 28                        | 24  | 24   | 10  | 10   | 8   | 6   | 5   | /   | /   |
| 20        | 360                        | 160      | 90       | BST5110201F |                                                               |                                                                                                                                            | 5                         | 3   | 2    | 1   | 1    | 1   | /   | /   | /   | /   |
| 21        | 560                        | 160      | 90       | BST5110211F |                                                               |                                                                                                                                            | 23                        | 14  | 14   | 7   | 5    | 3   | 3   | /   | /   | /   |
| 22        | 280                        | 180      | 100      | BST5110221F |                                                               |                                                                                                                                            | 5                         | 4   | 4    | 2   | 2    | 1   | /   | /   | /   | /   |
| 23        | 180                        | 180      | 101      | BST5110231F |                                                               |                                                                                                                                            | 23                        | 12  | 12   | 10  | 10   | 5   | 3   | 2   | 1   | /   |
| 24        | 230                        | 200      | 110      | BST5110241F |                                                               |                                                                                                                                            | 8                         | 5   | 5    | 4   | 4    | 2   | 1   | 1   | 1   | /   |
| 25        | 280                        | 230      | 110      | BST5110251F |                                                               |                                                                                                                                            | 15                        | 8   | 8    | 8   | 8    | 3   | 2   | 2   | 1   | /   |
| 26        | 330                        | 230      | 120      | BST5110261F |                                                               |                                                                                                                                            | 11                        | 6   | 6    | 6   | 6    | 3   | 2   | 1   | 1   | /   |
| 27        | 400                        | 230      | 110      | BST5110271F |                                                               |                                                                                                                                            | 30                        | 16  | 16   | 14  | 14   | 7   | 4   | 3   | 3   | /   |
| 28        | 403                        | 313      | 111      | BST5110281F |                                                               |                                                                                                                                            | 11                        | 6   | 6    | 6   | 6    | 3   | 2   | 1   | 1   | /   |
| 29        | 600                        | 310      | 110      | BST5110291F |                                                               |                                                                                                                                            | 42                        | 24  | 24   | 20  | 20   | 8   | 6   | 5   | 4   | /   |



防水防尘防腐箱  
Waterproof, Dustproof and Anti-corrosion Junction Box



→ BST5120F系列 Series

适用范围 Application Scope: 适用于需要高防护等级和稳定电力供应的工业和环境条件恶劣的场合  
Suitable for Industrial and Harsh Environmental Conditions That Require High Protection Levels and Stable Power Supply

防护等级 IP Rating: IP66  
抗冲击性能 Impact Resistance: 7J  
工作温度 Operating Temperature: -55℃~+130℃  
材料 Material: 玻璃纤维增强聚酯 Glass Fiber Reinforced Resin  
耐腐蚀性等级 Corrosion resistance level: WF2



功能定义 Function Definition

防水，防尘，防腐箱通常称为三防箱，其主要功能包括：  
防水：能够在潮湿环境中工作，防止水分侵入。  
防尘：能够有效阻挡灰尘进入箱内，保护电气元件。  
防腐：能够抵抗腐蚀性物质的侵蚀，延长使用寿命。  
Waterproof, dustproof, and anti-corrosion boxes are usually called three-proof boxes. Their main functions include:  
Waterproof: Able to work in a humid environment and prevent moisture intrusion.  
Dustproof: Can effectively block dust from entering the box and protect electrical components.  
Anti-corrosion: Can resist the erosion of corrosive substances and extend service life.

| 组件数据-标配 Component Data-Standard                                                     |                                        |                                | 组件数据-选配 Component Data-Optional                                                     |                                 |                                |
|-------------------------------------------------------------------------------------|----------------------------------------|--------------------------------|-------------------------------------------------------------------------------------|---------------------------------|--------------------------------|
| 图样<br>Pattern                                                                       | 名称<br>Item                             | 材料<br>Material                 | 图样<br>Pattern                                                                       | 名称<br>Item                      | 材料<br>Material                 |
|  | 安装底板<br>Mounting Base Plate            | 镀锌钢板<br>Galvanized Steel Sheet |  | 安装导轨<br>Installation Guide Rail | 镀锌钢板<br>Galvanized Steel Sheet |
|  | 盖板紧固件<br>Fasteners for The Cover Plate | 304不锈钢<br>Stainless Steel      |  | 接线端子<br>Terminal Block          | PA                             |
|  | 盖板密封条<br>Cover Sealing Strip           | 硅胶<br>Silicone                 |  | 电缆固定头<br>Cable Gland            | PA尼龙<br>PA Nylon               |
|  | 铭牌<br>Nameplate                        | 304不锈钢<br>Stainless Steel      |                                                                                     |                                 |                                |

防水防尘防腐箱  
Waterproof, Dustproof and Anti-corrosion Junction Box



→ BST5120F带接地板系列 (With Flange Plate) Series

适用范围 Application Scope: 适用于需要高防护等级和稳定电力供应的工业和环境条件恶劣的场合  
Suitable for Industrial and Harsh Environmental Conditions That Require High Protection Levels and Stable Power Supply

防护等级 IP Rating: IP66  
抗冲击性能 Impact Resistance: 7J  
工作温度 Operating Temperature: -55℃~+130℃  
材料 Material: 玻璃纤维增强聚酯 Glass Fiber Reinforced Resin  
耐腐蚀性等级 Corrosion resistance level: WF2



功能定义 Function Definition

防水，防尘，防腐箱通常称为三防箱，其主要功能包括：  
防水：能够在潮湿环境中工作，防止水分侵入。  
防尘：能够有效阻挡灰尘进入箱内，保护电气元件。  
防腐：能够抵抗腐蚀性物质的侵蚀，延长使用寿命。  
Waterproof, dustproof, and anti-corrosion boxes are usually called three-proof boxes. Their main functions include:  
Waterproof: Able to work in a humid environment and prevent moisture intrusion.  
Dustproof: Can effectively block dust from entering the box and protect electrical components.  
Anti-corrosion: Can resist the erosion of corrosive substances and extend service life.

| 组件数据-标配 Component Data-Standard                                                       |                                        |                                | 组件数据-选配 Component Data-Optional                                                       |                                 |                                              |
|---------------------------------------------------------------------------------------|----------------------------------------|--------------------------------|---------------------------------------------------------------------------------------|---------------------------------|----------------------------------------------|
| 图样<br>Pattern                                                                         | 名称<br>Item                             | 材料<br>Material                 | 图样<br>Pattern                                                                         | 名称<br>Item                      | 材料<br>Material                               |
|  | 安装底板<br>Mounting Base Plate            | 镀锌钢板<br>Galvanized Steel Sheet |  | 安装导轨<br>Installation Guide Rail | 镀锌钢板<br>Galvanized Steel Sheet               |
|  | 盖板紧固件<br>Fasteners for the Cover Plate | 304不锈钢<br>Stainless Steel      |  | 接线端子<br>Terminal Block          | PA                                           |
|  | 盖板密封条<br>Cover Sealing Strip           | 硅胶<br>Silicone                 |  | 电缆固定头<br>Cable Gland            | 金属<br>Metal                                  |
|  | 铭牌<br>Nameplate                        | 304不锈钢<br>Stainless Steel      |  | 接地铜板<br>Grounding Copper Plate  | 黄铜<br>Brass                                  |
|                                                                                       |                                        |                                |  | 接地螺杆<br>Grounding Screw         | 304<br>316<br>316L<br>不锈钢<br>Stainless Steel |

防水防尘防腐箱  
Waterproof, Dustproof and Anti-corrosion Junction Box

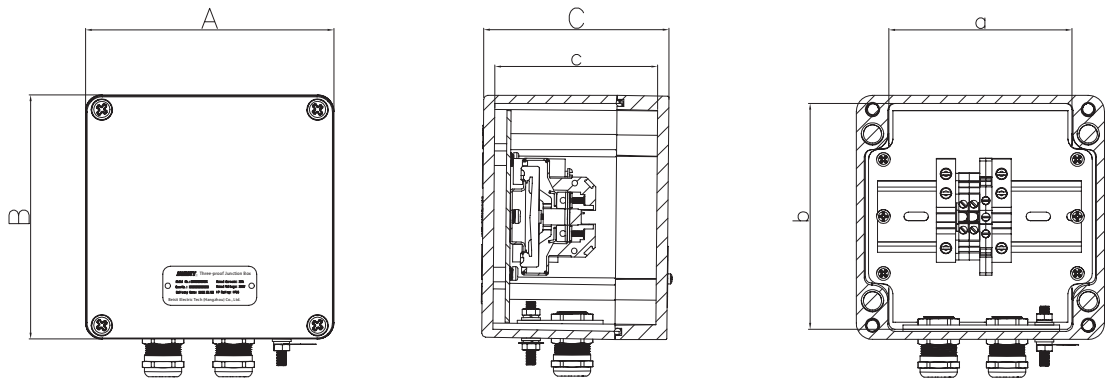


→ BST5120F系列 Series

开孔数据 Hole Opening Data

| 序号<br>No. | 箱体外形尺寸 Box Dimensions (mm) |          |          | 型号<br>Model | 开孔区域到箱体边最小距离<br>Min. dist. from opening area to box edge (mm) | 电缆固定头安装面<br>Cable gland mount surface F<br> | 电缆固定头型号 Cable Gland Model |           |           |           |           |          |          |          |         |         |
|-----------|----------------------------|----------|----------|-------------|---------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|---------------------------|-----------|-----------|-----------|-----------|----------|----------|----------|---------|---------|
|           | 长 long A                   | 宽 wide B | 高 high C |             |                                                               |                                                                                                                              | M12                       | M16       | M16B      | M20       | M20B      | M25      | M32      | M40      | M50     | M63     |
| 1         | 80                         | 75       | 75       | BST5120011F | 最小距离≥3                                                        | D/E<br>F/G                                                                                                                   | 5<br>2                    | 4<br>1    | 4<br>1    | 1<br>1    | 1<br>1    | 1<br>1   | 1<br>1   | 1<br>1   | /       | /       |
| 2         | 110                        | 75       | 75       | BST5120021F |                                                               |                                                                                                                              | 17<br>2                   | 10<br>1   | 10<br>1   | 11<br>1   | 11<br>1   | 3<br>1   | 2<br>1   | 2<br>1   | /       | /       |
| 3         | 160                        | 75       | 75       | BST5120031F |                                                               |                                                                                                                              | 20<br>2                   | 12<br>1   | 12<br>1   | 5<br>1    | 5<br>1    | 4<br>1   | 3<br>1   | 2<br>1   | /       | /       |
| 4         | 190                        | 75       | 75       | BST5120041F |                                                               |                                                                                                                              | 11<br>8                   | 8<br>5    | 8<br>5    | 5<br>3    | 5<br>3    | 2<br>1   | 1<br>1   | 1<br>1   | /       | /       |
| 5         | 230                        | 75       | 75       | BST5120051F |                                                               |                                                                                                                              | 23<br>8                   | 14<br>5   | 14<br>5   | 12<br>3   | 12<br>3   | 4<br>2   | 3<br>1   | 3<br>1   | 2<br>1  | /       |
| 6         | 122                        | 120      | 91       | BST5120061F |                                                               |                                                                                                                              | 15<br>8                   | 11<br>6   | 11<br>6   | 8<br>5    | 8<br>5    | 3<br>2   | 2<br>1   | 2<br>1   | 1<br>1  | /       |
| 7         | 220                        | 120      | 91       | BST5120071F |                                                               |                                                                                                                              | 27<br>8                   | 16<br>6   | 16<br>6   | 14<br>5   | 14<br>5   | 5<br>2   | 4<br>1   | 3<br>1   | 3<br>1  | /       |
| 8         | 160                        | 160      | 91       | BST5120081F |                                                               |                                                                                                                              | 42<br>8                   | 24<br>6   | 24<br>6   | 20<br>5   | 20<br>5   | 8<br>2   | 6<br>1   | 5<br>1   | 4<br>1  | /       |
| 9         | 260                        | 160      | 91       | BST5120091F |                                                               |                                                                                                                              | 69<br>8                   | 40<br>6   | 40<br>6   | 34<br>5   | 34<br>5   | 13<br>2  | 10<br>1  | 8<br>1   | 7<br>1  | /       |
| 10        | 360                        | 360      | 91       | BST5120101F |                                                               |                                                                                                                              | 36<br>27                  | 32<br>18  | 32<br>18  | 21<br>10  | 21<br>10  | 10<br>8  | 8<br>3   | 3<br>2   | 3<br>2  | 2       |
| 11        | 560                        | 160      | 91       | BST5120111F |                                                               |                                                                                                                              | 96<br>27                  | 60<br>18  | 60<br>18  | 54<br>10  | 54<br>10  | 24<br>8  | 20<br>3  | 8<br>2   | 6<br>2  | 6       |
| 12        | 360                        | 160      | 91       | BST5120121F |                                                               |                                                                                                                              | 36<br>27                  | 32<br>18  | 32<br>18  | 21<br>10  | 21<br>10  | 10<br>8  | 8<br>3   | 3<br>2   | 3<br>2  | 2       |
| 13        | 255                        | 250      | 121      | BST5120131F |                                                               |                                                                                                                              | 60<br>27                  | 39<br>18  | 39<br>18  | 22<br>10  | 22<br>10  | 16<br>8  | 6<br>3   | 5<br>2   | 4<br>2  | 4       |
| 14        | 400                        | 250      | 121      | BST5120141F |                                                               |                                                                                                                              | 105<br>98                 | 78<br>72  | 78<br>72  | 55<br>50  | 55<br>50  | 32<br>32 | 18<br>18 | 10<br>10 | 8<br>8  | 8       |
| 15        | 600                        | 250      | 121      | BST5120151F |                                                               |                                                                                                                              | 8<br>2                    | 6<br>1    | 6<br>1    | 4<br>1    | 4<br>1    | 2<br>1   | 1<br>1   | 1<br>1   | /       | /       |
| 16        | 255                        | 250      | 161      | BST5120161F |                                                               |                                                                                                                              | 22<br>2                   | 16<br>1   | 16<br>1   | 10<br>1   | 10<br>1   | 6<br>1   | 4<br>1   | 2<br>1   | /       | /       |
| 17        | 400                        | 250      | 161      | BST5120171F |                                                               |                                                                                                                              | 52<br>8                   | 35<br>6   | 35<br>6   | 18<br>5   | 18<br>5   | 8<br>2   | 6<br>1   | 5<br>1   | 4<br>1  | /       |
| 18        | 405                        | 400      | 201      | BST5120181F |                                                               |                                                                                                                              | 105<br>98                 | 78<br>72  | 78<br>72  | 55<br>50  | 55<br>50  | 32<br>32 | 18<br>18 | 10<br>10 | 8<br>8  | 8       |
| 19        | 400                        | 400      | 210      | BST5120191F |                                                               |                                                                                                                              | 105<br>98                 | 78<br>72  | 78<br>72  | 55<br>50  | 55<br>50  | 32<br>32 | 18<br>18 | 10<br>10 | 8<br>8  | 8       |
| 20        | 160                        | 160      | 120      | BST5120201F |                                                               |                                                                                                                              | 15<br>8                   | 15<br>6   | 11<br>6   | 11<br>5   | 8<br>5    | 8<br>2   | 3<br>1   | 2<br>1   | 2<br>1  | /       |
| 21        | 810                        | 400      | 210      | BST5120211F |                                                               |                                                                                                                              | 196<br>98                 | 132<br>72 | 132<br>72 | 100<br>50 | 100<br>50 | 56<br>32 | 32<br>18 | 20<br>10 | 16<br>8 | 12<br>8 |

外形尺寸 Outline Drawing



防水防尘防腐箱  
Waterproof, Dustproof and Anti-corrosion Junction Box



→ BST5130F系列 Series

适用范围 Application Scope:

防护等级 IP Rating:

抗冲击性能 Impact Resistance:

工作温度 Operating Temperature:

材料厚度 Material Thickness:

材料 Material:

表面处理 Surface Treatment:

耐腐蚀性等级 Corrosion Resistance Level:

适用于需要高防护等级和稳定电力供应的工业和环境条件恶劣的场所

Suitable for Industrial and Harsh Environmental Conditions That

Require High Protection Levels and Stable Power Supply

IP66

7J

-55℃~+130℃

标配1.5mm (其他定制) 1.5mm (Other Customization)

不锈钢 Stainless Steel (304、316、S316L)

抛光及拉丝 Polished and Brushed

WF2



功能定义 Function Definition

防水，防尘，防腐箱通常称为三防箱，其主要功能包括：

防水：能够在潮湿环境中工作，防止水分侵入。

防尘：能够有效阻挡灰尘进入箱内，保护电气元件。

防腐：能够抵抗腐蚀性物质的侵蚀，延长使用寿命。

Waterproof, dustproof, and anti-corrosion boxes are usually called three-proof boxes. Their main functions include:

Waterproof: Able to work in a humid environment and prevent moisture intrusion.

Dustproof: Can effectively block dust from entering the box and protect electrical components.

Anti-corrosion: Can resist the erosion of corrosive substances and extend service life.

组件数据-标配 Component Data-Standard

| 图样<br>Pattern                                                                         | 名称<br>Item                                   | 材料<br>Material                 |
|---------------------------------------------------------------------------------------|----------------------------------------------|--------------------------------|
|  | 安装底板<br>Mounting Base Plate                  | 镀锌钢板<br>Galvanized Steel Sheet |
|  | 盖板机械锁<br>Mechanical Lock for the Cover Plate | 304不锈钢<br>Stainless Steel      |
|  | 盖板密封条<br>Cover Sealing Strip                 | 硅胶<br>Silicone                 |
|  | 接地标识<br>Grounding Indication                 | 304不锈钢<br>Stainless Steel      |

组件数据-选配 Component Data-Optional

| 图样<br>Pattern                                                                         | 名称<br>Item                      | 材料<br>Material                 |
|---------------------------------------------------------------------------------------|---------------------------------|--------------------------------|
|  | 安装导轨<br>Installation Guide Rail | 镀锌钢板<br>Galvanized Steel Sheet |
|  | 接线端子<br>Terminal Block          | PA                             |
|  | 电缆固定头<br>Cable Gland            | 金属<br>Metal                    |
|                                                                                       |                                 |                                |

防水防尘防腐箱  
Waterproof, Dustproof and Anti-corrosion Junction Box



→ BST5130F系列 Series

开孔数据 Hole Opening Data

| 序号<br>No. | 箱体外形尺寸 Box Dimensions (mm) |          |          | 型号<br>Model                               | 开孔区域到箱体边最小距离<br>Min. dist. from opening area to box edge (mm) | 电缆固定头安装面<br>Cable gland mount surface<br><div><div>F</div><div>D<div>E</div>G</div></div> | 电缆固定头型号 Cable Gland Model |          |          |          |          |         |         |         |         |      |  |
|-----------|----------------------------|----------|----------|-------------------------------------------|---------------------------------------------------------------|-------------------------------------------------------------------------------------------|---------------------------|----------|----------|----------|----------|---------|---------|---------|---------|------|--|
|           | 长 long A                   | 宽 wide B | 高 high C |                                           |                                                               |                                                                                           | M12                       | M16      | M16B     | M20      | M20B     | M25     | M32     | M40     | M50     | M63  |  |
| 1         | 100                        | 100      | 60       | BST5130011F                               | 最小距离≥3                                                        | D/E<br>F/G                                                                                | 33<br>33                  | 33<br>33 | 33<br>33 | 22<br>22 | 22<br>22 | /       | /       | /       | /       | /    |  |
| 2         | 150                        | 150      | 80       | BST5130021F                               |                                                               |                                                                                           | 95<br>95                  | 55<br>55 | 54<br>54 | 44<br>44 | 43<br>43 | /       | /       | /       | /       | /    |  |
| 3         | 200                        | 150      | 80       | BST5130031F                               |                                                               |                                                                                           | 159<br>95                 | 75<br>55 | 74<br>54 | 54<br>44 | 53<br>43 | /       | /       | /       | /       | /    |  |
| 4         | 300                        | 200      | 110      | BST5130041F<br>BST5130042F<br>BST5130043F |                                                               |                                                                                           | 3623<br>1212              | 2012     | 2012     | 159<br>9 | 159<br>9 | 85<br>3 | 53<br>3 | 43<br>/ | /       | /    |  |
| 5         | 400                        | 200      | 150      | BST5130051F<br>BST5130052F<br>BST5130053F |                                                               |                                                                                           | 8232<br>1818              | 4218     | 4218     | 3617     | 3617     | 1811    | 148     | 63<br>2 | 52<br>2 | 42   |  |
| 6         | 400                        | 400      | 150      | BST5130061F<br>BST5130062F<br>BST5130063F |                                                               |                                                                                           | 8268<br>4242              | 4242     | 4236     | 3636     | 3626     | 1814    | 148     | 65<br>5 | 54<br>4 | 44   |  |
| 7         | 500                        | 400      | 150      | BST5130071F<br>BST5130072F<br>BST5130073F |                                                               |                                                                                           | 8468<br>4242              | 5442     | 5436     | 4536     | 4526     | 2914    | 188     | 95<br>5 | 64<br>4 | 54   |  |
| 8         | 400                        | 400      | 210      | BST5130081F<br>BST5130082F<br>BST5130083F |                                                               |                                                                                           | 110110<br>8484            | 8484     | 6060     | 6060     | 3636     | 2121    | 1212    | 1010    | 88      | 88   |  |
| 9         | 500                        | 500      | 210      | BST5130091F<br>BST5130092F<br>BST5130093F |                                                               |                                                                                           | 147147<br>108108          | 108108   | 8080     | 8080     | 4848     | 2727    | 1818    | 1212    | 1212    | 1212 |  |
| 10        | 600                        | 400      | 210      | BST5130101F<br>BST5130102F<br>BST5130103F |                                                               |                                                                                           | 182119<br>13284           | 13284    | 9560     | 9560     | 5636     | 3321    | 1814    | 1410    | 148     | 148  |  |
| 11        | 700                        | 400      | 210      | BST5130111F<br>BST5130112F<br>BST5130113F |                                                               |                                                                                           | 210119<br>15684           | 15684    | 11060    | 11060    | 6836     | 3921    | 2914    | 1810    | 168     | 168  |  |
| 12        | 700                        | 700      | 300      | BST5130121F<br>BST5130122F<br>BST5130123F |                                                               |                                                                                           | 330330<br>260260          | 260260   | 176176   | 176176   | 102102   | 6565    | 4040    | 3030    | 2424    | 2424 |  |
| 13        | 800                        | 600      | 300      | BST5130131F<br>BST5130132F<br>BST5130133F |                                                               |                                                                                           | 385286<br>261220          | 261220   | 200152   | 200152   | 11484    | 7555    | 4836    | 3024    | 2121    | 2121 |  |
| 14        | 1000                       | 800      | 300      | BST5130141F<br>BST5130142F<br>BST5130143F |                                                               |                                                                                           | 484385<br>333261          | 333261   | 256200   | 256200   | 144114   | 9575    | 6048    | 3930    | 3327    | 3327 |  |
| 15        | 800                        | 800      | 400      | BST5130151F<br>BST5130152F<br>BST5130153F |                                                               |                                                                                           | 560560<br>390390          | 390390   | 286286   | 286286   | 171171   | 105105  | 6060    | 5050    | 3636    | 3636 |  |
| 16        | 900                        | 900      | 400      | BST5130161F<br>BST5130162F<br>BST5130163F |                                                               |                                                                                           | 600600<br>429429          | 429429   | 319319   | 319319   | 176176   | 118118  | 6565    | 4444    | 4040    | 4040 |  |
| 17        | 1200                       | 1200     | 400      | BST5130171F<br>BST5130172F<br>BST5130173F |                                                               |                                                                                           | 795795<br>585585          | 585429   | 429429   | 232232   | 132132   | 9090    | 6060    | 5656    | 5656    | 5656 |  |

外形尺寸 Outline Drawing

