



倍仕得电气科技(杭州)股份有限公司
BEISIT ELECTRIC TECH (HANGZHOU) CO.,LTD.



BTG Fluid Connector

Beisit factory Aeroview



做人, 把人品做好,
做企业, 把产品做好。

董事长:

郑永

Product Collection



Brand Definition



"I" stands for "Integrity"

"I" stands for "International"

"BEST": Best

Functions as an international company of high integrity whose mission is to provide customer with finest products and services

倍仕得

pronounced as "bei", means "more", gathering more talents; mastery of work comes from more diligence; developing with high efficiency.

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.

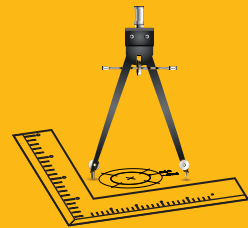
pronounced as "de", means "possess", to create and possess higher value.

Gather a large number of talents, and create a glorious future

Quick Fluid Connector Purification Workshop

BEISIT®

Design and Manufacture of Precision Cutting Tools.



Design and Manufacture of Precise Cutting Tools



Design and Manufacture of Precision Cutting Tools

The machining accuracy can be accurate to 0.01mm

3days to provide metal samples

7days to deliver samples



Company Certifications



Informatization System



Efficient and fast Informatization system.



Testing Center



The raw materials:metal material testing

The sealing:anti-aging test,hardness testing

The spring:fatigue test,spring force detection



High and Low Temperature Alternating Humid Heat Test Chamber



Flow resistance tester



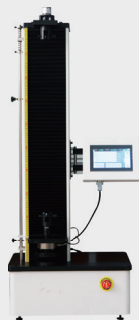
Automatic digital display spring fatigue testing machine



Machined parts: roughness detection, dimensional measurement

Surface treatment: film thickness detection, salt spray test

Product: withstand voltage test, sealing test, flow coefficient test, connection and separation force test, durability test, minimum burst pressure test, high temperature test, low temperature test, interchangeability test



Automatic digital display spring tension pressure testing machine



Neutral Salt Spray Tester

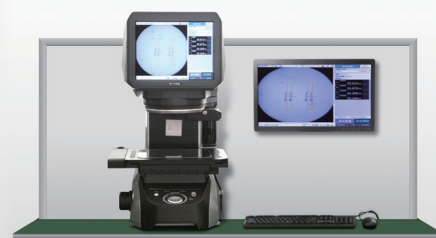
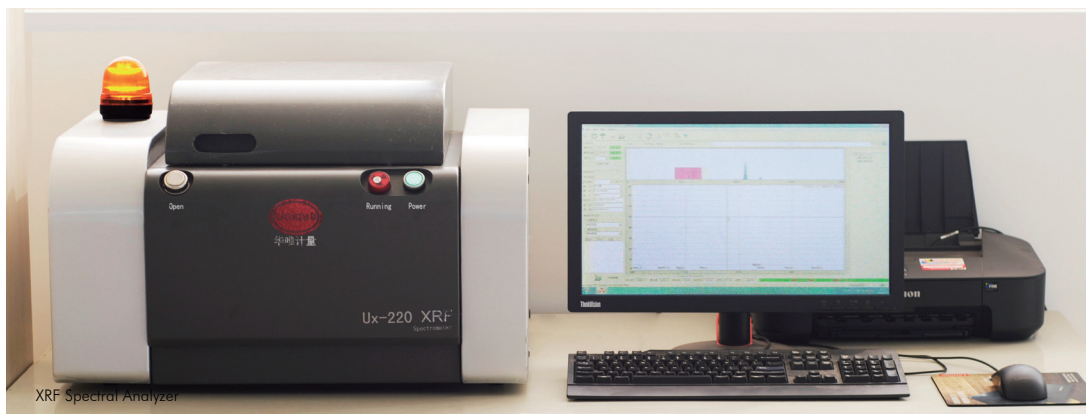


Image dimension measuring instrument



Air tightness tester



XRF Spectral Analyzer

Corporate Culture



Mission: To supply most reliable connectors for global industry.

Customer Value: Revere clients; Never waver in determination to create unique value for our clients.

Quality Value: Quality as life, only once. Never waver in determination to produce 100% qualified products.

A background image of the Earth from space, showing the Americas. Overlaid on the globe are numerous glowing blue dashed lines that represent a global network or communication system, connecting various points across the continents.

Linking with the World
Connecting to the Future

BTG BTG Fluid Connector



Safe & Environmental

- Dry Disconnect Couplings, Bi-directional flat sealed design that ensures no leakage during connection and disconnection.
- Flat seal design, which is easy to clean and avoids contamination of the medium.
- Plug and Socket are equipped with protective caps to prevent the sealing surface from being polluted during transportation.

Stable & Reliable

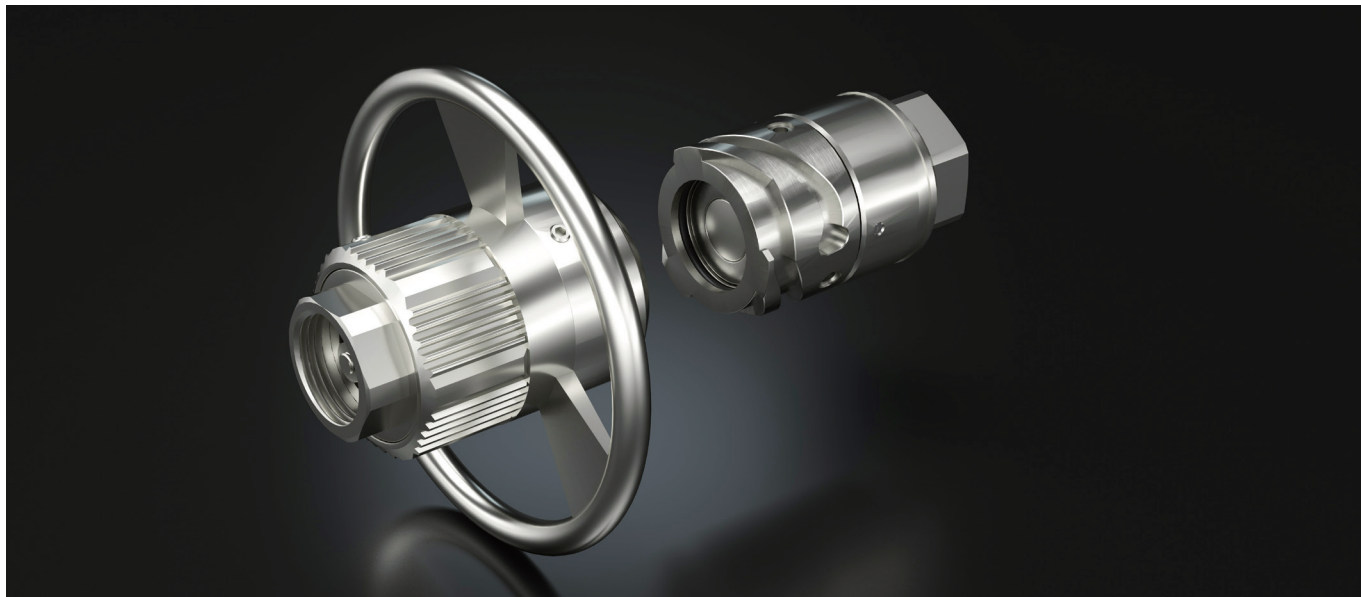
- The selected material combined with unique surface treatment not only makes the product sturdy and reliable, but also achieving high corrosion resistance and wear resistance.
- Various sealing material O-rings are available to meet the temperature requirements of different media and guarantee long-term stable & and reliable sealing performance.
- The radial design of the O-ring at the connection of the Plug and Socket ensures that the sealing function has been completed before the valve is opened during connection.

Convenient

- Screw-in to lock the connection seal, easy and convenient to operate.
- Multiple color options for quick identification of different circuits.
- Hand wheel is available for large diameter, which is easier to connect and disconnect.

Customized

- Providing customized end-fitting for easy installation.
- Providing customized hose integration with aesthetic appearance and reducing risk of leakage.
- For other customization requirements, please contact us freely.

BTG BTG Fluid Connector**Application Fields**

- Military defense
- Bulk chemical and petrochemical
- Biotechnology
- Biotechnology Fluid distribution and transfer system
- loading and unloading of railway tank cars, tank cars, ship, containers and tons of drums
- The link for the test stand

Applicable Fluid Types

- Petroleum
- Natural gas
- Special chemical
- Can be developed for specific fluids
-

Part Numbers

BTG 25S G01F - SS - NB

Seals

EP	Ethylene Propylene Rubber EPDM	FF	Highly Fluorine Rubber FFKM
NB	Nitrile Rubber NBR	CR	Neoprene CR
FM	Fluorocarbon Rubber FPM/FKM/Viton		
FV	Fluorosilicone Rubber FVMQ		

Material

SS	Stainless Steel 316L
AL	Aluminum
SA	Stainless Steel 304

Male and Female Threads

F	Female Thread
M	Male Thread

G/R/N/J Thread Size

01	1"	03	3"
32	1-1/2"	04	4"
02	2"		
52	2-1/2"		

M Thread Size

08	M8 Thread
12	M12 Thread
21	M21 Thread
F3636	Flange hole 36x36

Connection method

G	G Thread	J	UNF thread JIC37 ° taper ISO8434
R	R Thread	M	M Thread
N	NPT Thread	F	Flange

Coupling Type

S	Socket
P	Plug

Nominal aperture

25	Equivalent diameter 20mm	65	Equivalent diameter 50mm
32	Equivalent diameter 25mm	80	Equivalent diameter 60mm
40	Equivalent diameter 30mm	00	Equivalent diameter 80mm
50	Equivalent diameter 40mm		

Category Name

B	Automatic Connecting With Flat Face Seal
S	Without Locking Mechanism
T	Others

BBT Bayonet Locking Mechanism

BTG Tri-Curve Groove Locking Mechanism

BSL Auto Steel Ball Locking Mechanism

SCB Blind-Mate, Without Lock Mechanism

SDB Coaxial Correction Function Blind-mate, Without Locking Mechanism

TPP Semi-auto Steel Ball Locking Mechanism

TSF Screw Locking Mechanism

TPB Push-Button Locking Mechanism With Needle Valve

Selection of sealing materials

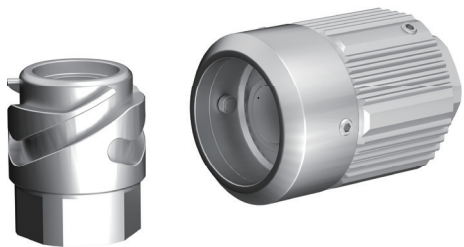
Material	Code	Working temperature	
NBR	NB	-15 ~ + 100 °C	1. General applications. 2. High mechanical strength.
FPM、FKM、Viton	FM	-10 ~ + 200 °C	1. Good chemical resistance. 2. Outstanding resistance to high temperatures up to 200 °C . 3. Resistance to mineral oils, synthetic hydraulic oils, fuels, chemicals,hydrocarbons and coolants.
EPDM	EP	-20 ~ + 150 °C	1. Excellent resistance to high temperatures. 2. Compatible with phosphate-based brakefluids - esters, hot and cold water, steam. 3. Pay attention to the use of mineral oil in the components of the medium circuit
FFKM	FF	0 ~ + 250 °C	1. Combines the qualities of an elastomer with the chemical resistance of PTFE. 2. Remarkable resistance to heat and most chemical agents including inorganic and organic acids. 3. Coolants.
FVMQ	FV	-45 ~ + 175 °C	1. Max. working pressure: 50 bar. 2. Good resistance to low and high temperatures. 3. Resistance to mineral oils, fuels.
PTFE	PT	-50 ~ + 200 °C	1. Max. working pressure: 80 bar. 2. Excellent chemical resistance. 3. Very good resistance to low and high temperatures. 4. Superior performance to elastomers.
CR	CR	-40 ~ + 100 °C	Good resistance to ageing and refrigerant.

In order to choose the solution that best meets your application needs, it is recommended to provide us with the following accurate information:

1. Fluid type 2. Work pressure 3. Working temperature 4. Salt and acid concentration of aqueous solution 5. Special usage conditions

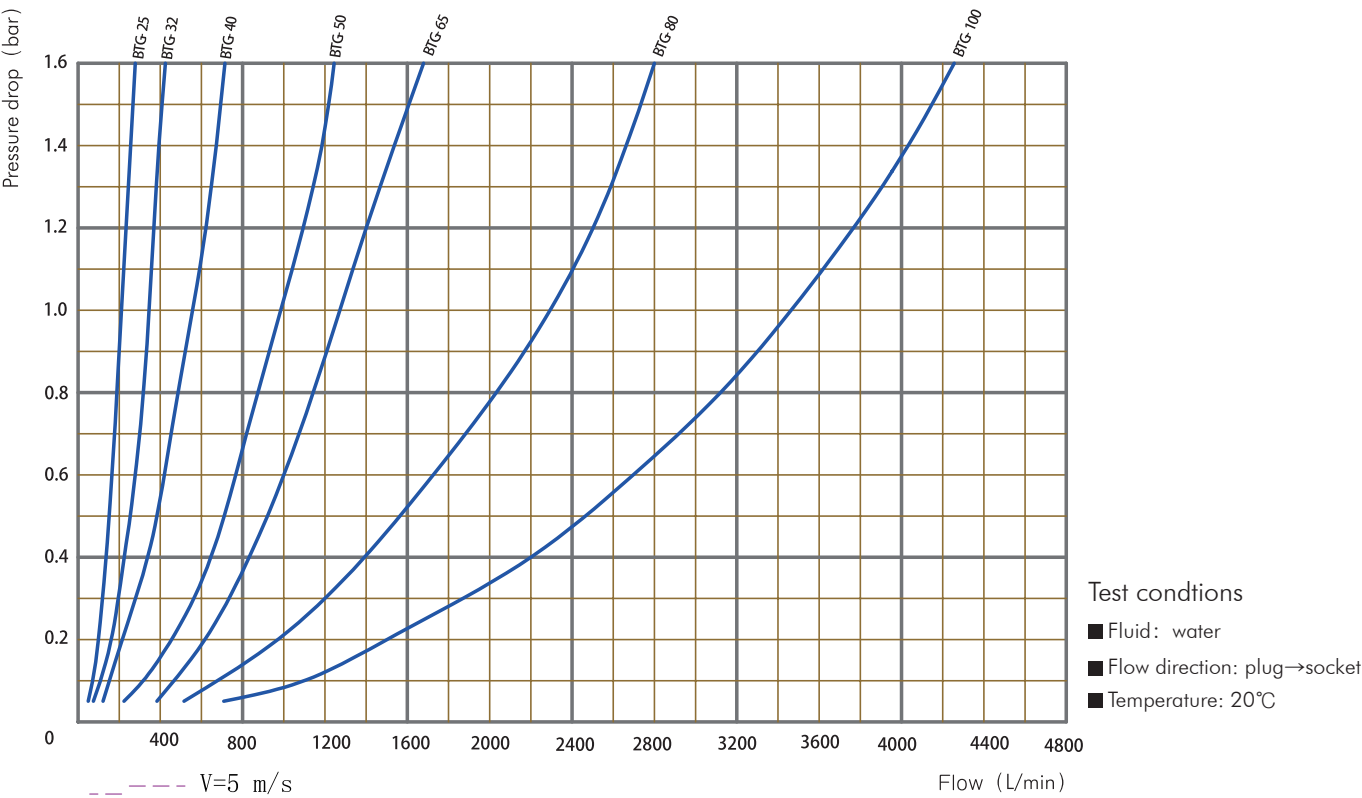
If you need any inquiries, please feel free to contact our technical experts.
Our experienced quick connector experts provide you with the most thoughtful service.

Technical Parameter



Regular Type							
Product Model	BTG25	BTG32	BTG40	BTG50	BTG65	BTG80	BTG100
Nominal Working Pressure (bar)	25	25	25	25	25	25	25
Cv (Gal/min)	14	26.8	37.3	67.7	91	158.7	234.6
Nominal Working Flow Rate (L/Min)	94	147	211	376	588	847	1507
Leakage Per Disconnection (ml)	0.15	0.22	1.3	2	2.8	3	3.5

BTG Pressure Drop/Flow Rate Chart

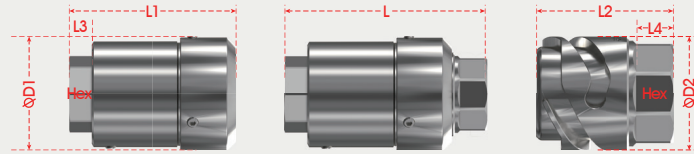


→ BTG25

Plug and socket connection diagram

$$L = L1 + L2 - X$$

$$X = 39\text{mm}$$



	Picture	End Fitting Type	L1	L2	L3	L4	D1	D2	Hex	Product model
Plug		G1"	89	/	11.4	/	59.5	/	38	BTG 25P G01F
		HG/T 20592 DN25 PN25	89	/	18	/	59.5	/	38	BTG 25P F8585
Socket		G1"	/	53	/	11.4	/	44	38	BTG 25S G01F
		HG/T 20592 DN25 PN25	/	107	/	18	/	44	38	BTG 25S F8585

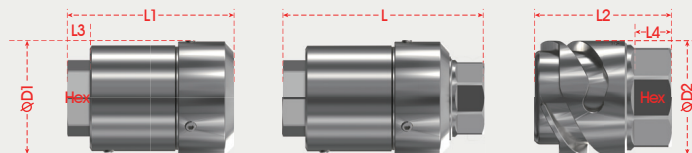
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→ BTG32

Plug and socket connection diagram

$$L = L1 + L2 - X$$

$$X = 44\text{mm}$$



	Picture	End Fitting Type	L1	L2	L3	L4	D1	D2	Hex	Product model
Plug		G1-1/4"	98.5	/	12	/	76	/	50	BTG 32P G54F
		HG/T 20592 DN32 PN25	116.5	/	18	/	76	/	50	BTG 32P F100100
Socket		G1-1/4"	/	65	/	12	/	54	50	BTG 32S G54F
		HG/T 20592 DN32 PN25	/	77	/	12	/	54	50	BTG 32S F100100

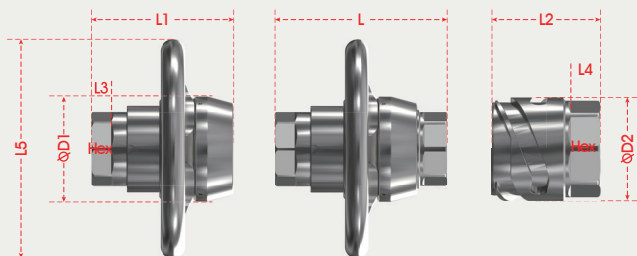
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→ BTG40

Plug and socket connection diagram

$$L = L1 + L2 - X$$

$$X = 49\text{mm}$$



	Picture	End Fitting Type	L1	L2	L3	L4	L5	D1	D2	Hex	Product model
Plug		G1-1/2"	115	/	16	/	200	89	/	55	BTG 40P G32F
		HG/T 20592 DN40 PN25	133	/	18	/	200	89	/	55	BTG 40P F110110
Socket		G1-1/2"	/	76	/	16	/	/	62.5	55	BTG 40S G32F
		HG/T 20592 DN40 PN25	/	94	/	18	/	/	62.5	55	BTG 40S F110110

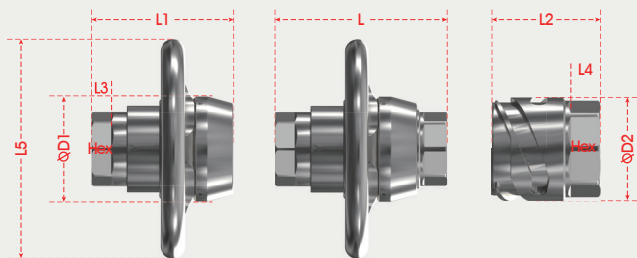
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→ BTG50

Plug and socket connection diagram

$$L = L1 + L2 - X$$

$$X = 56.5\text{mm}$$



	Picture	End Fitting Type	L1	L2	L3	L4	L5	D1	D2	Hex	Product model
Plug		G2"	143	/	19	/	220	106	/	70	BTG 50P G02F
		HG/T 20592 DN50 PN25	166	/	21	/	220	106	/	70	BTG 50P F125125
Socket		G2"	/	85.5	/	19	/	/	79.6	70	BTG 50S G02F
		HG/T 20592 DN50 PN25	/	107	/	21	/	/	79.6	70	BTG 50S F125125

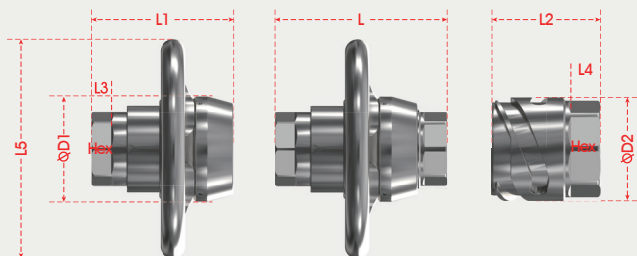
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→ BTG65

Plug and socket connection diagram

$$L = L1 + L2 - X$$

$$X = 65\text{mm}$$



	Picture	End Fitting Type	L1	L2	L3	L4	L5	D1	D2	Hex	Product model
Plug		G2-1/2"	161	/	23	/	240	121	/	85	BTG 65P G52F
		HG/T 20592 DN65 PN25	179	/	18	/	240	121	/	85	BTG 65P F145145
Socket		G2-1/2"	/	95	/	23	/	/	94.2	85	BTG 65S G52F
		HG/T 20592 DN65 PN25	/	113	/	18	/	/	94	85	BTG 65S F145145

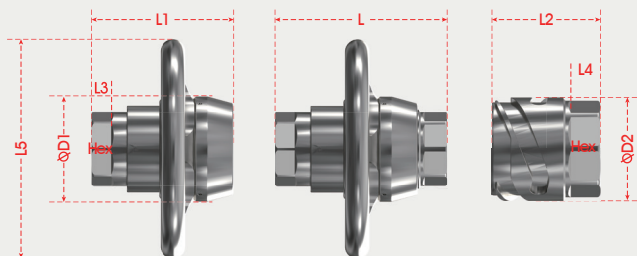
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→ BTG80

Plug and socket connection diagram

$$L = L1 + L2 - X$$

$$X = 74\text{mm}$$



	Picture	End Fitting Type	L1	L2	L3	L4	L5	D1	D2	Hex	Product model
Plug		G3"	183	/	22	/	270	148	/	95	BTG 80P G03F
		HG/T 20592 DN80 PN25	203	/	20	/	270	148	/	95	BTG 80P F160160
Socket		G3"	/	105	/	22	/	/	118	95	BTG 80S G03F
		HG/T 20592 DN80 PN25	/	125	/	20	/	/	118	95	BTG 80S F160160

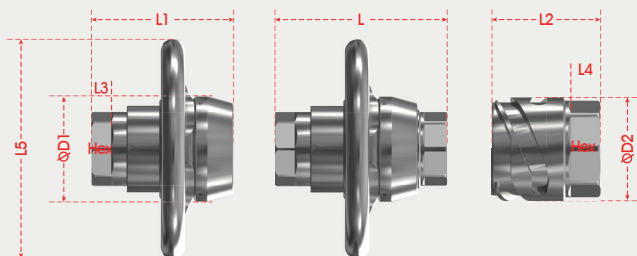
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→ BTG100

Plug and socket connection diagram

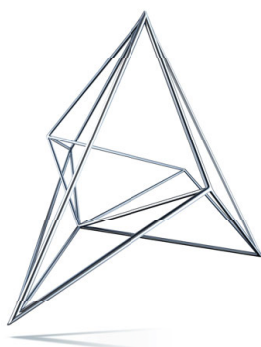
$$L = L1 + L2 - X$$

$$X = 83.5\text{mm}$$



	Picture	End Fitting Type	L1	L2	L3	L4	L5	D1	D2	Hex	Product model
Plug		G4"	199	/	22	/	330	180	/	125	BTG 80P G04F
		HG/T 20592 DN100 PN25	219	/	20	/	330	180	/	125	BTG 80P F190190
Socket		G4"	/	113	/	22	/	/	146	125	BTG 80S G04F
		HG/T 20592 DN100 PN25	/	133	/	20	/	/	220	125	BTG 80S F190190

If you need to inquire about other end fitting, please feel free to contact our technical experts.
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