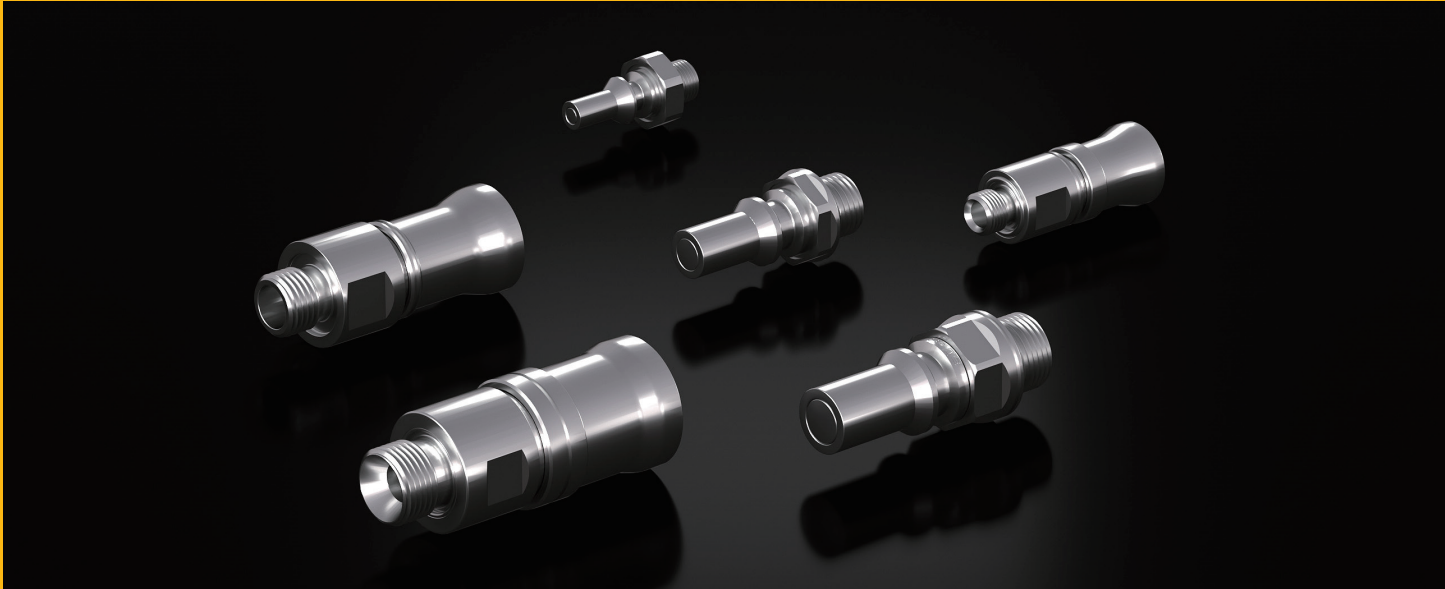




倍仕得电气科技(杭州)股份有限公司
BEISIT ELECTRIC TECH (HANGZHOU) CO.,LTD.



UQD 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.

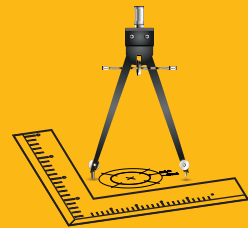
pronounced as "de", means "possess", to create and possess higher value.

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

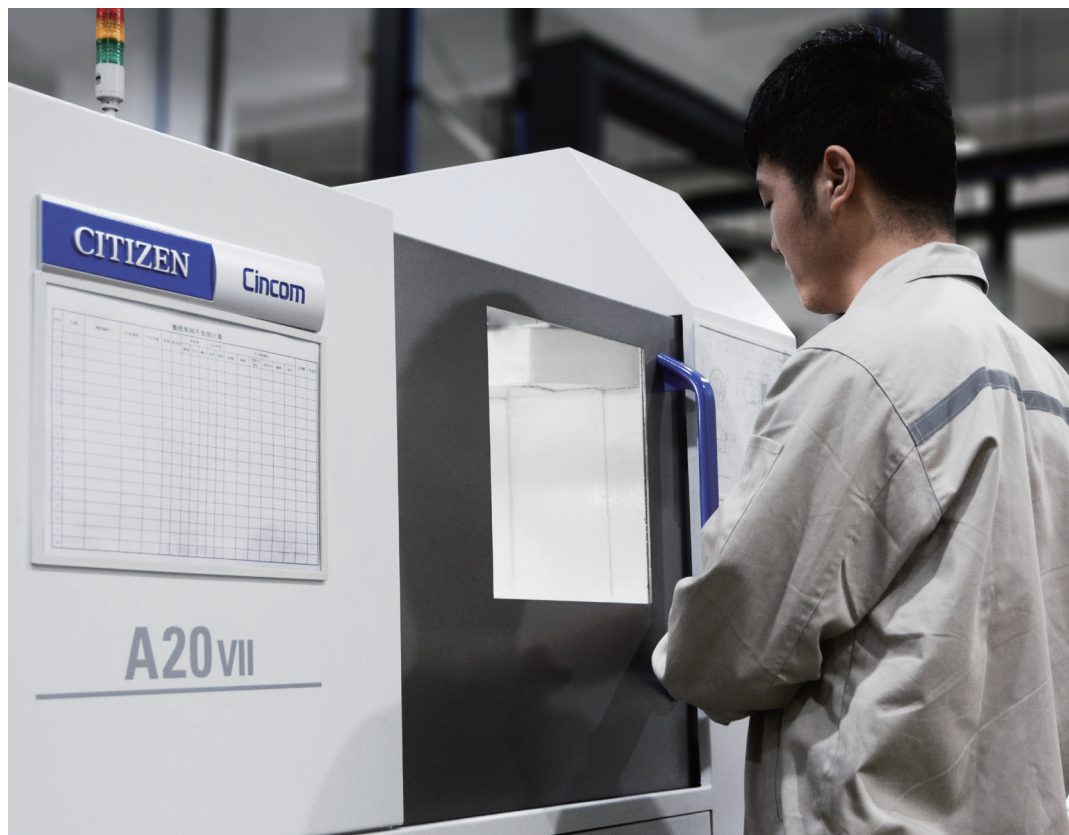


Design and Manufacture of Precision Cutting Tools

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



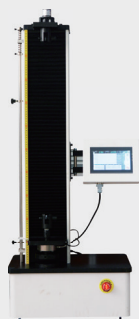
Automatic digital display spring fatigue testing machine



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

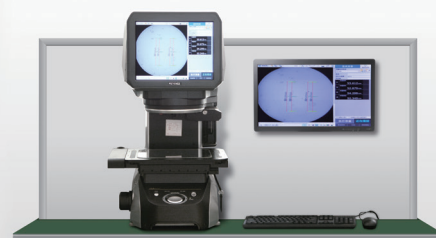
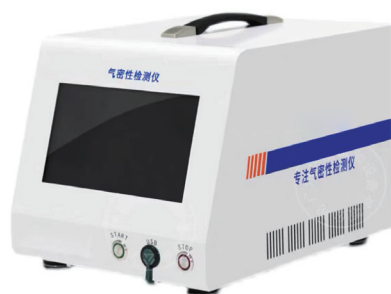
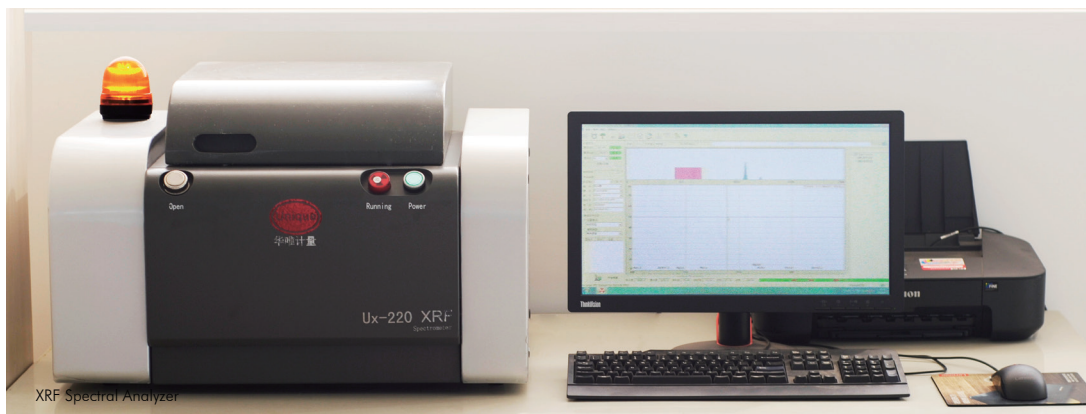


Image dimension measuring instrument



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

UQD UQD Fluid Connector



Safe & Environmental

- 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.
- Please contact us if you have requirement for pressure relief after disconnection.

Stable & Reliable

- Steel ball locking and internal long guiding structure is suitable for greater mechanical stress environment.
- Various sealing material O-rings are available to meet the temperature requirements of different media and guarantee long-term stable & 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

- Steel ball locking automatic connection, push-in to lock the connection and seal, also can be operated with one hand out of sight, simple and easy, convenient and quick.
- Multiple color options for quick identification of different circuits.
- G male thread with O-ring makes installation more convenient and sealing easier.
- Long locking rings with convex shoulder and knurls for easier gripping and disconnecting.

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.

UQD UQD Fluid Connector



Application Fields

- Data center
- Supercomputer

Applicable Fluid Types

- Coolant
- Glycol Water
- Heat transfer oils
- Esters
- Kerosene
-

Part Numbers

UQD 02P G18M - SS - FV - 90 - RD

Colour
RD Red
BU Blue

Angle
00 Straight through (Standard, no code)
90 90 Degree Elbow
45 135 Degree Elbow

Seals
EP Ethylene Propylene Rubber EPDM (Standard, no code)
NB Nitrile Rubber NBR
FM Fluorocarbon Rubber FPM/FKM/Viton
FV Fluorosilicone Rubber FVMQ
FF Highly Fluorine Rubber FFKM
CR Neoprene CR

Material
SS Stainless Steel 316L

Male and Female Threads
F Female Thread
M Male Thread

G/R/N/J Thread Size		M Thread Size	
18 1/8	32 1-1/2"	08 M8 Thread	H08 Connects with 08 inner diameter rubber hose
14 1/4	01 1"	12 M12 Thread	S10 Connects with 10 outer diameter stainless steel tube
38 3/8	02 2"	21 M21 Thread	B810 Connects with 8x10 brass tube
12 1/2	04 4"		T812 Connects with 8x12 plastic tube
34 3/4			F3636 Flange hole 36x36

End Fitting Type		
G G Thread	H Hose	
R R Thread	S Stainless Steel Tube	
N NPT Thread	B Brass Tube	
J UNF thread JIC37 ° taper ISO8434	T Plastic Tube	
M M Thread	F Flange	

Coupling Type
S Socket
P Plug

Nominal aperture
02 Equivalent diameter 3mm
04 Equivalent diameter 5mm
06 Equivalent diameter 7mm
08 Equivalent diameter 10mm

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

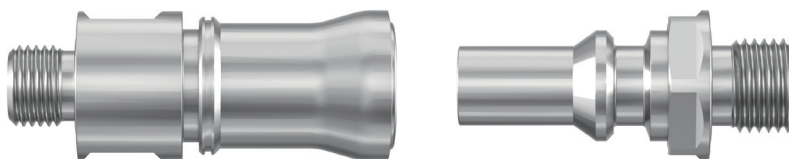
Material	Code	Working temperature	Application
NBR	NB	-15 ~ + 100 °C	<ol style="list-style-type: none"> 1. General applications. 2. High mechanical strength.
FPM、FKM、Viton	FM	-10 ~ + 200 °C	<ol style="list-style-type: none"> 1. Good chemical resistance. 2. Outstanding resistance to high temperatures up to 200 °C . 3. Resistance to mineral oils, synthetic hydraulic oils, fuels, chemicals,hydrocarbons and coolants.
EPDM	EP	-20 ~ + 150 °C	<ol style="list-style-type: none"> 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	<ol style="list-style-type: none"> 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	<ol style="list-style-type: none"> 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	<ol style="list-style-type: none"> 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

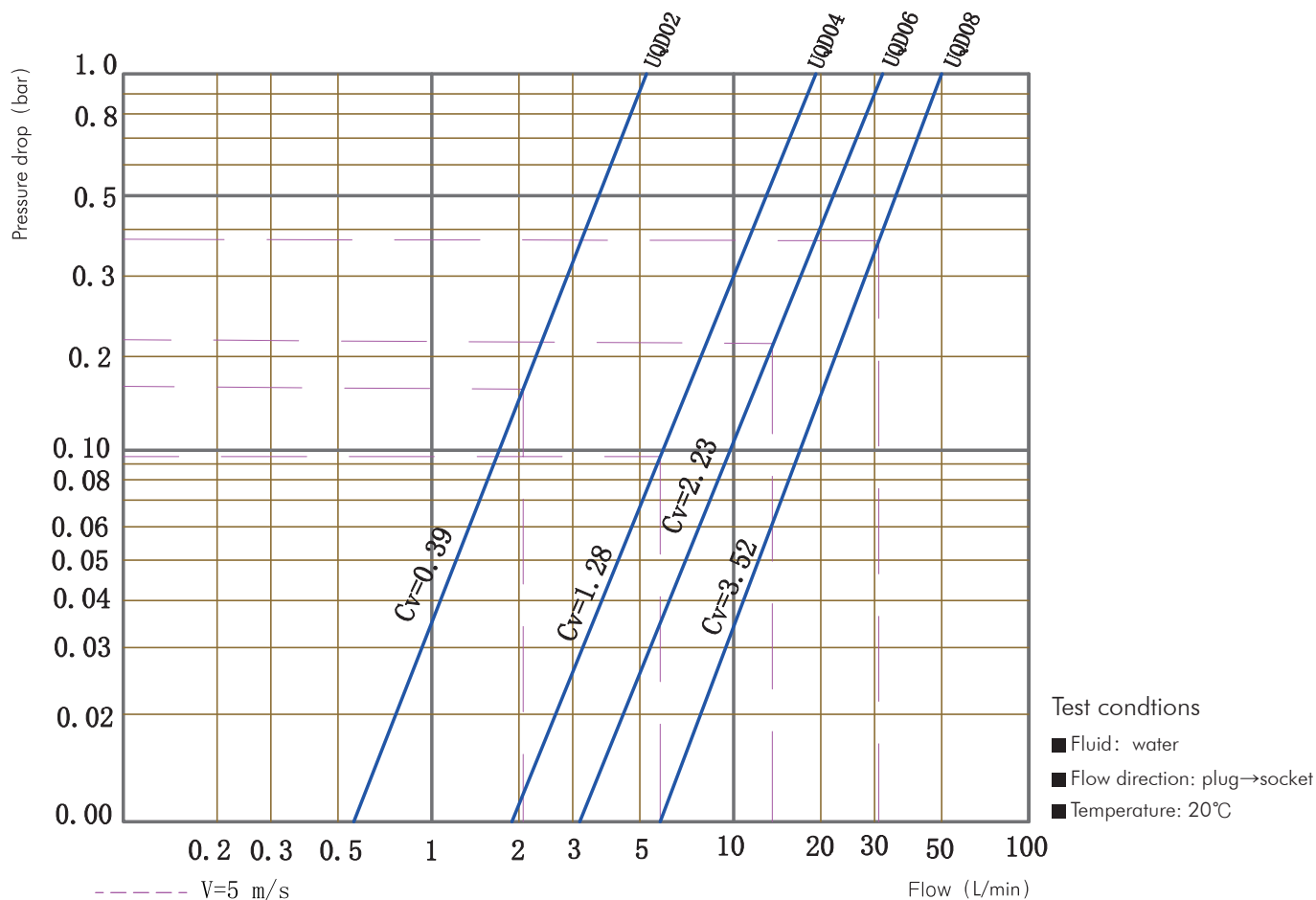
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Our experienced quick connector experts provide you with the most thoughtful service.

Technical Parameter



Regular Type				
Product model	UQD02	UQD04	UQD06	UQD08
Nominal Working Pressure (bar)	16	16	16	16
CV (Gal/min)	0.39	1.28	2.23	3.52
Nominal Working Flow Rate (L/Min)	2.1	7.3	13.9	23.5
Leakage Per Disconnection (ml)	0.02	0.02	0.035	0.07

UQD Pressure drop/Flow rate Chart

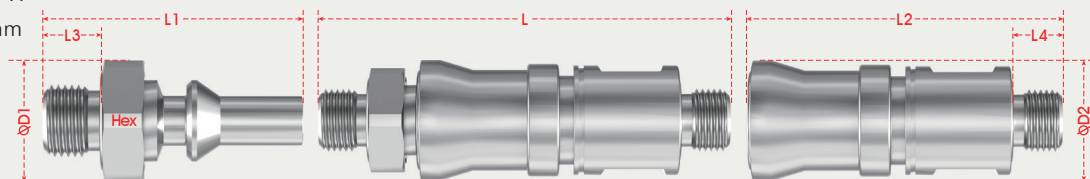


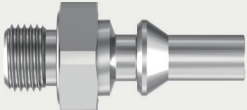
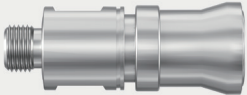
→ UQD02

Plug and socket connection diagram

$$L = L1 + L2 - X$$

$$X = 19.2\text{mm}$$



	Picture	End Fitting Type	L1	L2	L3	L4	D1	D2	Hex	Product model
Plug		G1/8 Male Thread	35	/	8	/	18	/	16	UQD 02P G18M-RD
		G1/8 Male Thread	35	/	8	/	18	/	16	UQD 02P G18M-BU
Socket		G1/8 Male Thread	/	49	/	8	/	17	15	UQD 02S G18M-RD
		G1/8 Male Thread	/	49	/	8	/	17	15	UQD 02S G18M-BU

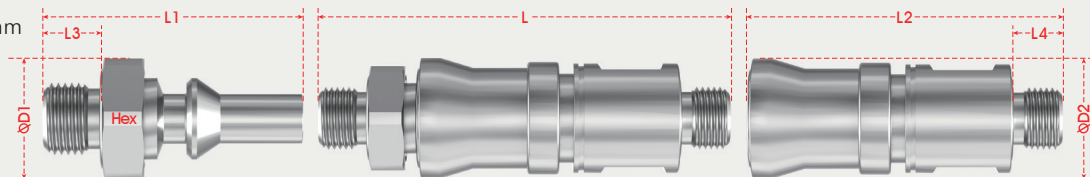
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→ UQD04

Plug and socket connection diagram

$$L = L1 + L2 - X$$

$$X = 26.3\text{mm}$$



	Picture	End Fitting Type	L1	L2	L3	L4	D1	D2	Hex	Product model
Plug		G1/4 Male Thread	46	/	11	/	21	/	19	UQD 04P G14M-RD
		G1/4 Male Thread	46	/	11	/	21	/	19	UQD 04P G14M-BU
		UNF9/16 Male Thread	46	/	11	/	21	/	19	UQD 04P U916M-RD
		UNF9/16 Male Thread	46	/	11	/	21	/	19	UQD 04P U916M-BU
Socket		G1/4 Male Thread	/	61	/	11	/	24	21	UQD 04S G14M-RD
		G1/4 Male Thread	/	61	/	11	/	24	21	UQD 04S G14M-BU
		UNF9/16 Male Thread	/	61	/	11	/	24	21	UQD 04S U916M-RD
		UNF9/16 Male Thread	/	61	/	11	/	24	21	UQD 04S U916M-BU

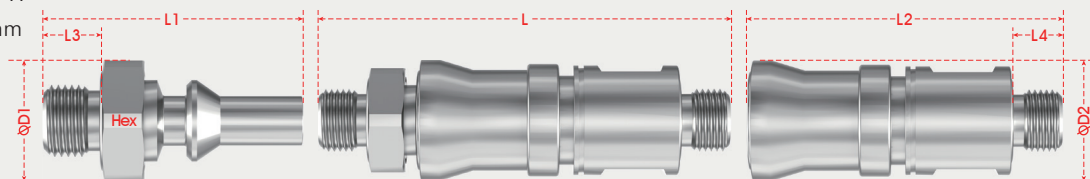
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→ UQD06

Plug and socket connection diagram

$$L = L1 + L2 - X$$

$$X = 29.8\text{mm}$$



	Picture	End Fitting Type	L1	L2	L3	L4	D1	D2	Hex	Product model
Plug		G3/8 Male Thread	58	/	12	/	24	/	21	UQD 06P G38M-RD
		G3/8 Male Thread	58	/	12	/	24	/	21	UQD 06P G38M-BU
Socket		G3/8 Male Thread	/	69	/	12	/	28	24	UQD 06S G38M-RD
		G3/8 Male Thread	/	69	/	12	/	28	24	UQD 06S G38M-BU

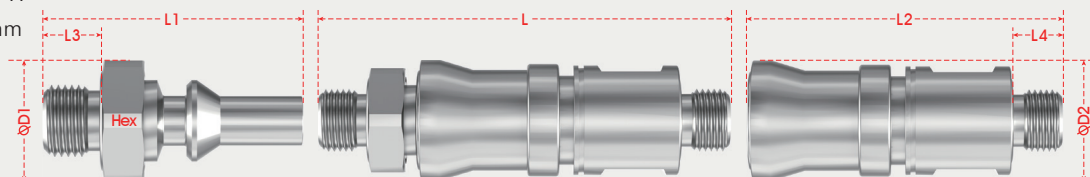
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→ UQD08

Plug and socket connection diagram

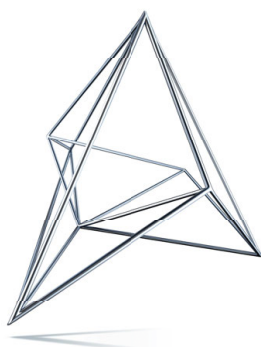
$$L = L1 + L2 - X$$

$$X = 33.0\text{mm}$$



	Picture	End Fitting Type	L1	L2	L3	L4	D1	D2	Hex	Product model
Plug		G1/2 Male Thread	63	/	13	/	27	/	23	UQD 08P G12M-RD
		G1/2 Male Thread	63	/	13	/	27	/	23	UQD 08P G12M-BU
Socket		G1/2 Male Thread	/	80	/	13	/	33	30	UQD 08S G12M-RD
		G1/2 Male Thread	/	80	/	13	/	33	30	UQD 08S G12M-BU

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