

G70

Irregular Tube Quick Connector

ONE-STOP CONNECTION

Instant | Easy | Standard | Premium |

The G70 series is an external-grip connector, widely used for leak testing, running tests and ageing tests of irregular tubes such as coolant pipes and fuel lines. Compact in structure, it can be held with one hand and is simple to use: a light hand push completes the connection.



Irregular Tube Quick Connector

- * Face seal, easy to replace
- * Push-pull operation: simple and reliable
- * No flow loss, efficient testing
- * Safety indicator for reliable production

G70 Series Quick Connector Features

1. Sliding sleeve operation

Simple operation: a light push completes the threaded connection, and knurling on the housing increases grip for easier handling.

2. Face seal

Reliable sealing, high pressure rating, easy seal replacement and simple maintenance.

3. 316 stainless steel construction

Excellent mechanical properties: strong and durable, greatly extending connector service life.

4. Straight-through design

Maximises flow and minimises the effect on running tests.

5. Safety indicator ring

Position confirmation indicator for reliable production

Selected Models

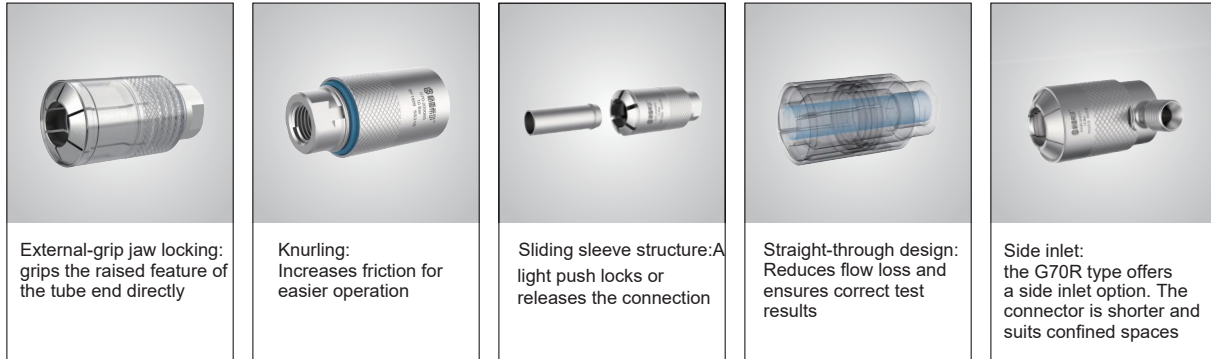


G70 Irregular Tube Quick Connector

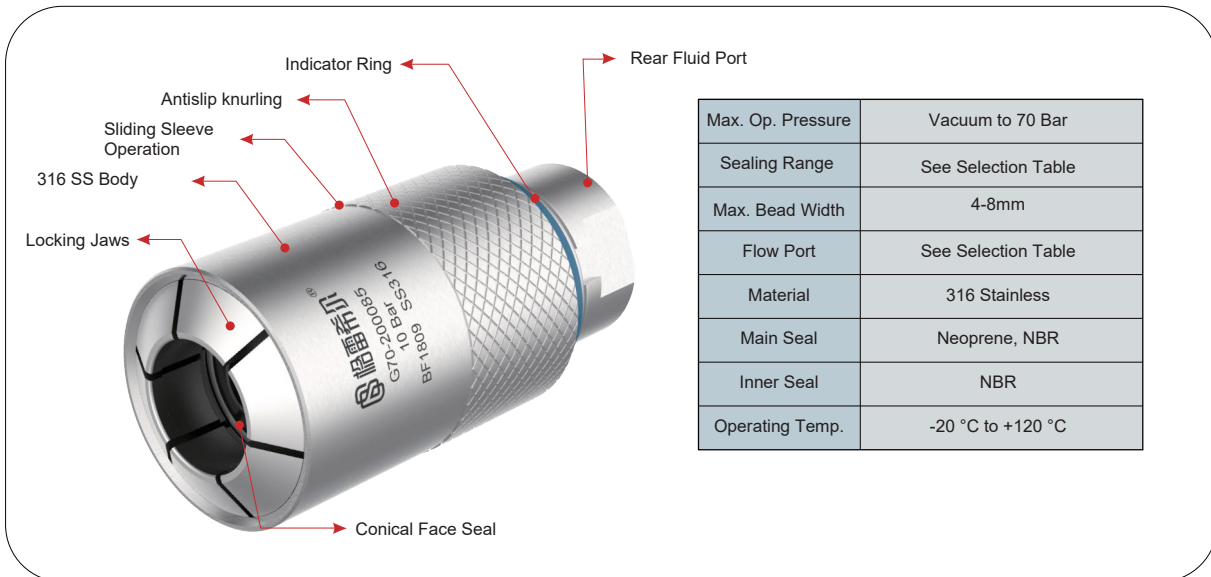
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G70 Quick Connector Advantages and Features



G70 Quick Connector Specifications



G70 Operation Demo



1. Align the connector with the tube to be sealed



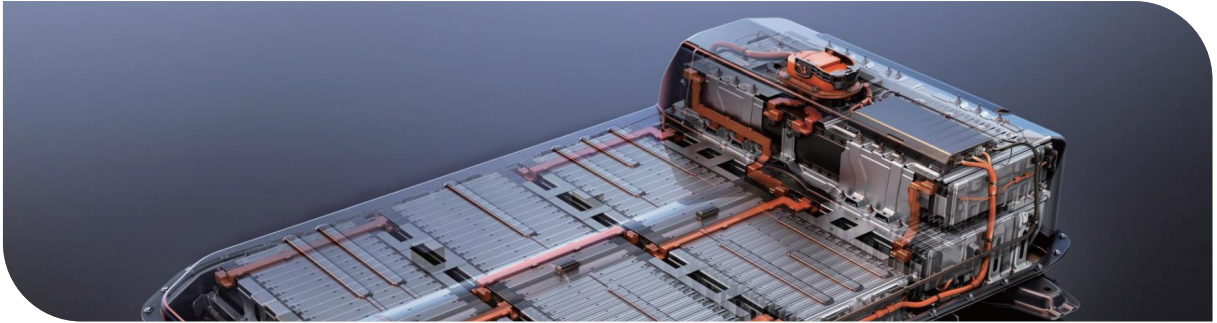
2. Push to lock the connection

G70 Irregular Tube Quick Connector

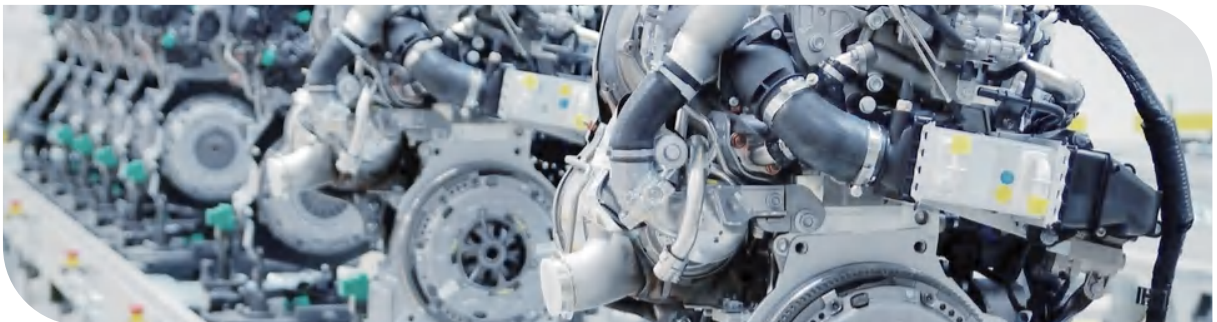
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Application Cases



EV Battery Cold Plate Testing



Engine Assembly Testing

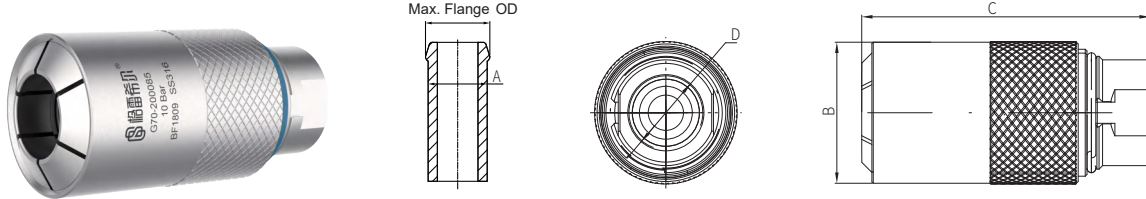


Engine Cooling Channel Testing

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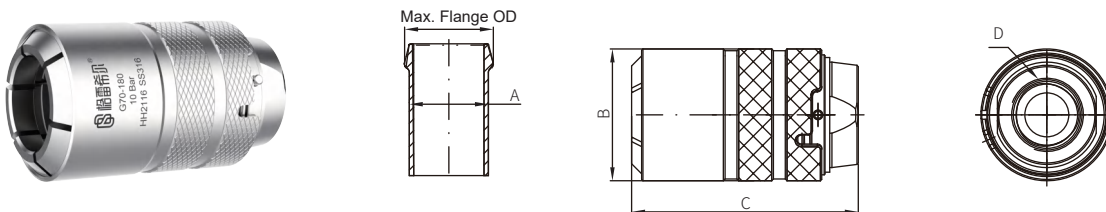


Irregular Tube Selection Table Bodies 2-8

Model	Dim. A	Body No.	Dim. B	Dim. C	Fluid Port D	Max. Pressure*	Material	Seal Material	Seal No.
G70-080025	8.0	2	25.4	75	BSPP1/4	10Bar	316 SS	Neoprene	SG70-080025
G70-100045	10.0								SG70-100045
G70-120045	12.0	3	30.4	75	BSPP1/4	10Bar	316 SS	Neoprene	SG70-120045
G70-140065	14.0								SG70-140065
G70-160065	16.0	4	35.4	80	BSPP3/8	10Bar	316 SS	Neoprene	SG70-160065
G70-170065	17.0								SG70-170065
G70-180085	18.0	5	40.4	80	BSPP1/2	10Bar	316 SS	Neoprene	SG70-180085
G70-190085	19.0								SG70-190085
G70-200085	20.0								SG70-200085
G70-250125	25.0	6	46.4	90	BSPP3/4	10Bar	316 SS	Neoprene	SG70-250125
G70-320125	32.0	7	50.4	90	BSPP3/4	10Bar	316 SS	Neoprene	SG70-320125
G70-350125	35.0	8	55.4	90	BSPP3/4	10Bar	316 SS	Neoprene	SG70-350125
G70-380125	38.0								SG70-380125

Note: For G70 connectors with bodies 4-8, the flange diameter of the tube being sealed is 2 mm larger than the straight tube OD. For example, if G70-200085 seals a tube with dimension A of 20 mm, the flange diameter is 22 mm.

* The default maximum pressure of standard products is 10 Bar. Please contact us if high-pressure testing from 10 to 50 Bar is required.



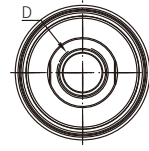
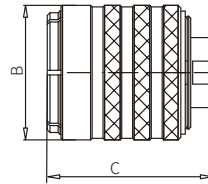
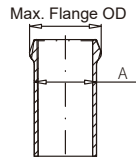
G70S Small-Body Connector

Model	Dim. A	Body No.	Dim. B	Dim. C	Fluid Port D	Max. Pressure*	Material	Seal Material	Seal No.
G70S-080	8.0	1S	20	50	BSPP1/8	10 Bar	316 SS	Neoprene	SG70S-080
G70S-100	10.0								SG70S-100
G70S-120	12.0								SG70S-120
G70S-140	14.0	2S	25	50	BSPP1/4	10 Bar	316 SS	Neoprene	SG70S-140
G70S-160M	16.0								SG70S-160M
G70S-170	17.00	3S	30	51.6	BSPP3/8	10 Bar	316 SS	Neoprene	SG70S-170
G70S-180	18.00								SG70S-180
G70S-190	19.00	4S	35.6	63.5	BSPP1/2	10 Bar	316 SS	Neoprene	SG70S-190
G70S-200	20.0								SG70S-200
G70S-250	25.0								SG70S-250
G70S-280	28.0	5S	40	63.5	BSPP1/2	10 Bar	316 SS	Neoprene	SG70S-280
G70S-320	32.0								SG70S-320
G70S-350	35.0	8S	55	63	BSPP1	10 Bar	316 SS	Neoprene	SG70S-350
G70S-380	38.0								SG70S-380

G70N Mini Quick Connector

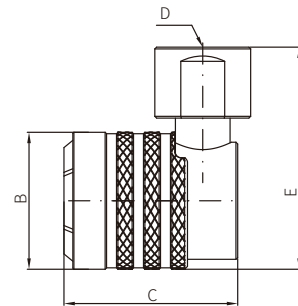
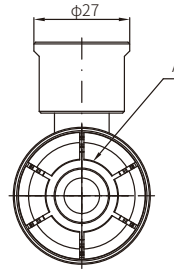
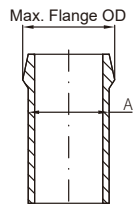
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G70N Small-Body Connector

Model	Dim. A	Body No.	Dim. B	Dim. C	Fluid Port D	Max. Pressure*	Material	Seal Material	Seal No.
G70N-080	8.0	2N	24.7	43	BSPP1/4	10 Bar	316 SS	Neoprene	SG70N-080
G70N-100	10.0								SG70N-100
G70N-120	12.0								SG70N-120
G70N-130	13.0								SG70N-130
G70N-160	16.0	4N	34.6	42	BSPP1/4	10 Bar	316 SS	Neoprene	SG70N-160
G70N-200	20.0								SG70N-200



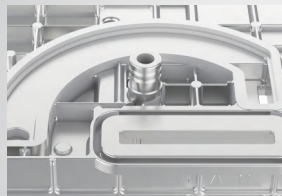
G70N-TL (Rotating Sleeve, L Type)

Model	Dim. A	Body No.	Dim. B	Dim. C	Fluid Port D	Dim. E	Max. Pressure	Material	Seal Material	Seal No
G70N-080-TL025	8.0	1N	22.5	41.7	BSPP 1/8	34.8	10 Bar	316 SS	Neoprene	SG70N-080-TL025
G70N-100-TL025	10.0					/				SG70N-100-TL025
G70N-120-TL025	12.0	2N	24.7	43	BSPP 1/8	/				SG70N-120-TL025
G70N-160-TL085	16.0					/				SG70N-160-TL085
G70N-200-TL085	20.0	4N	34.6	46.8	BSPP 1/2	56.8				SG70N-200-TL085

Grooved Tubes



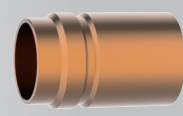
Hot / Cold Water Pipes



E-Drive Water Inlet



Compressor Inlet



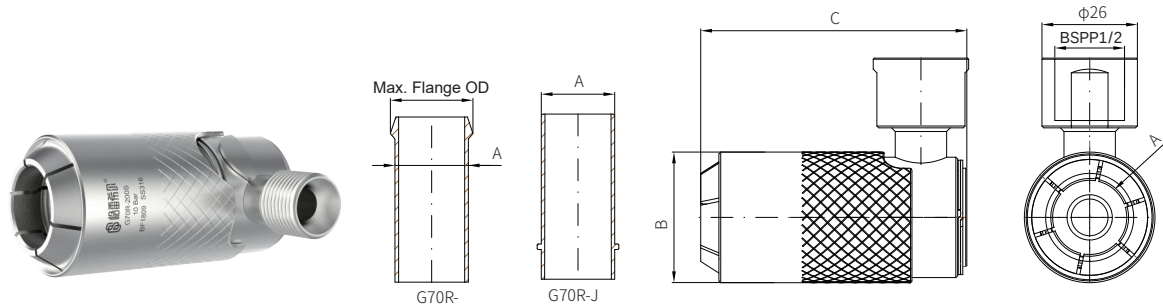
Compressor Outlet

The G70 series suits gripping all kinds of grooved ports, as shown above. For other port sealing requirements, please contact us.

G70R Rotating Sleeve Quick Connector

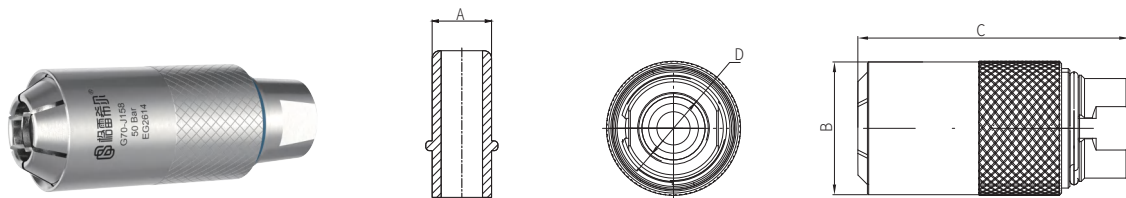
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G70R Short-Body Connector (Rotating Sleeve, L Type)

Model	Dim. A	Body No.	Dim. B	Dim. C	Fluid Port D	Max. Pressure*	Material	Seal Material	Seal No.
G70R-J158S	15.80	4R	35.4	73	BSPP3/8 Male Thread	20Bar	316 SS	NBR	SG70R-J158S
G70R-160S	16.00								SG70R-160S
G70R-190S	19.00								SG70R-190S
G70R-200S	20.00								SG70R-200S
G70R-160S-085	16.00	4R	35.4	74	BSPP1/2 Female Thread	10Bar	316 SS	Neoprene	SG70R-160S
G70R-190S-085	19.00								SG70R-190S
G70R-200S-085	20.00								SG70R-200S
G70R-190	19.00	5R	40.4	70	BSPP3/8 Male Thread	10Bar	316 SS	Neoprene	SG70R-190
G70R-200	20.00								SG70R-200



Fuel Line Connector - Compliant with J2044

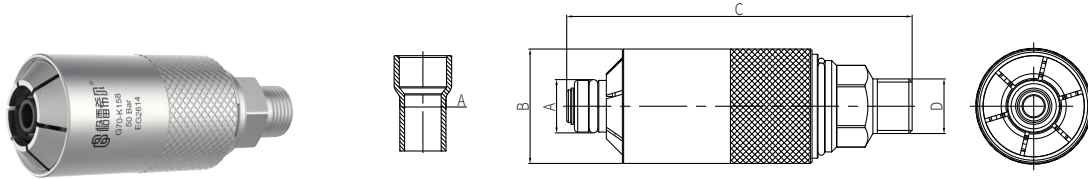
Model	Dim. A	Body No.	Dim. B	Dim. C	Fluid Port D	Max. Pressure	Material	Seal Material	Seal No.
G70-J063	6.30±0.06	2	25.4	75	BSPP1/4	50Bar	316 SS	NBR	SG70-J063
G70-J079	7.89±0.06								SG70-J079
G70-J095	9.49±0.06	3	30.4	80					SG70-J095
G70-J099	9.89±0.06								SG70-J099
G70-J118	11.80±0.10	4	35.4	86	BSPP3/8				SG70-J118
G70-J126	12.61±0.10								SG70-J126
G70-J158	15.82±0.10	5	40.4	87	BSPP1/2				SG70-J158
G70-J189	18.90±0.10								SG70-J189

G70K

Quick Connectors for the Refrigeration Industry

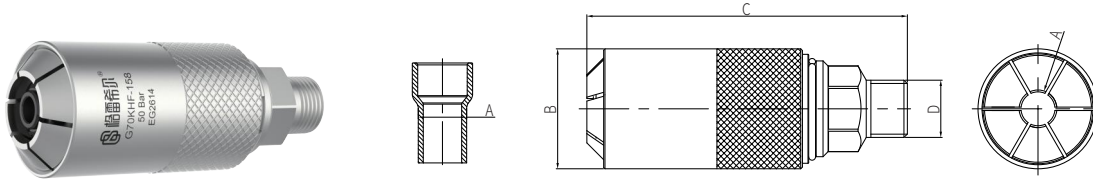
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For leak testing of flared tubes in the refrigeration industry

Model	Dim. A	Body No.	Dim. B	Dim. C	Male Thread D	Max. Pressure	Material	Seal Material	Seal No.
G70-K095	9.52	3	30.4	90	BSPT3/8"	50 Bar	316 SS	NBR	SG70-K095
G70-K127	12.7	3	30.4	90					SG70-K127
G70-K158	15.8	4	35.4	95					SG70-K158
G70-K190	19	5	40.4	110					SG70-K190
G70-K222	22.2	5	40.4	110					SG70-K222
G70-K254	25.4	6	46.4	110					SG70-K254
G70-K285	28.5	7	50.4	120					SG70-K285
G70-K353	35.3	8	55	110					SG70-K353



For running tests of flared tubes in the refrigeration industry

Model	Dim. A	Body No.	Dim. B	Dim. C	Male Thread D	Max. Pressure	Material	Seal Material	Seal No.
G70KHF-095	9.52	3	30.4	90	BSPT1/4"	50Bar	316 SS	NBR	SG70KHF-095
G70KHF-127	12.7	3	30.4	90	BSPT3/8"				SG70KHF-127
G70KHF-158	15.8	4	35.4	95	BSPT1/2"				SG70KHF-158
G70KHF-190	19	5	40.4	110	BSPT3/4"				SG70KHF-190
G70KHF-222	22.2	5	40.4	110	BSPT3/4"				SG70KHF-222

All GripSeal connectors are designed with safety built in from the start. However, users of the connectors are responsible for designing their own safety precautions, to avoid property damage caused by incorrect sizing or other reasons. Safety chains, protective nets, protective cages or dedicated fixtures are all good protective measures. GripSeal can also provide, or help customers identify, potential safety hazards.