

G10

Tube OD Quick Connector

ONE-STOP CONNECTION

Easy Replacement | Automated Operation | Full Model Range | Fast Operation | Various Seal Materials | OD Sealing |

The G10 series pneumatic quick sealing connector uses air pressure to expand the seal, creating an internal leak-tight connection with virtually any type of port. It is ideal for high-volume automated production testing.



Fully Automated OD Connection Solution

- * More effective testing lowers overall manufacturing cost
- * Highly integrated automated testing maximises output capacity
- * Eliminates waste caused by failed tests
- * Improves the stability of the entire test process

G10 Series Quick Connector Features

1. Pneumatic drive

Air enters through the rear drive port, pushing the internal piston to compress the seal for expanding sealing.

2. Automated operation

Two rear fixing holes allow the connector to be mounted on any actuator for accurate, reliable automated operation.

3. Test port

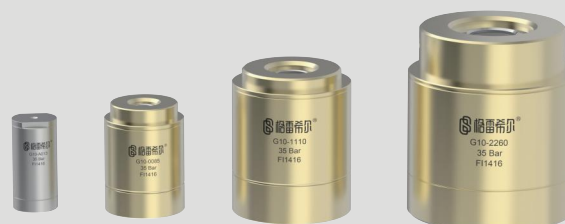
Straight-through design with no effect on flow. G threaded test port, compliant with domestic standards.

4. Damage-free operation

The seal grips by clamping, so the test piece surface is never damaged

G10 series quick connectors, from body A to body 3, seal plain tubes from 0.8 mm to 50 mm in diameter.

Selected Bodies



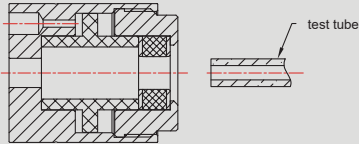
G10

Tube OD Quick Connector

ONE-STOP CONNECTION

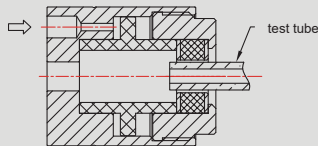
Easy Replacement | Automated Operation | Full Model Range | Fast Operation | Various Seal Materials | OD Sealing |

Making connections simple and reliable



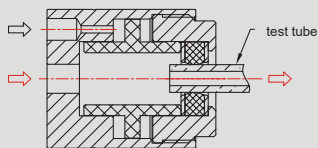
Step 1:

Place the test tube into the front test port of the G10 series



Step 2:

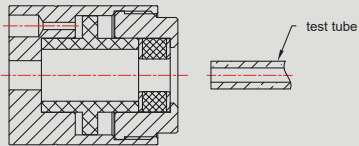
Air is supplied through the drive port; the seal is compressed, expands and presses against the outer wall of the test tube to form a seal



Step 3:

a. Once the seal is formed, fill the test port with the test medium (compressed air, test fluid, etc.)

b. After testing is complete the test medium is drained; once test pressure returns to normal, the drive air is vented, the seal is no longer pressurised, the sealed connection is released and the connector can be removed



Step 4:

When the above steps are complete, the test tube can be removed from the connector

G10 Quick Connector Display

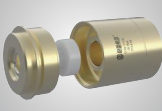
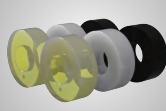


G10 Tube OD Quick Connector

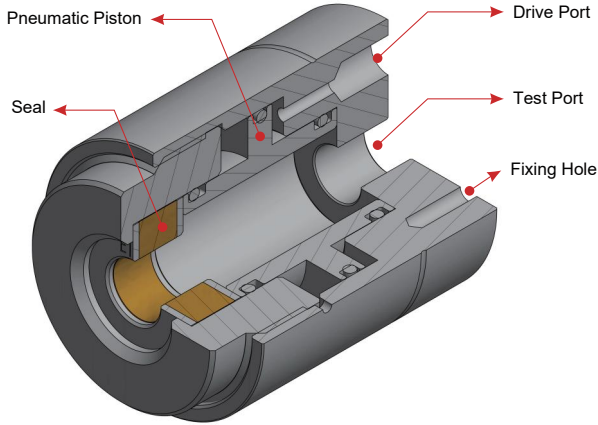
ONE-STOP CONNECTION

Easy Replacement | Automated Operation | Full Model Range | Fast Operation | Various Seal Materials | OD Sealing |

G10 Quick Connector Advantages and Features

				
Pneumatic drive: Reliable sealing, stable operation	Flexible customization: Extended connector parts avoid interference	Quick Seal Replacement: Simple maintenance, longer service life	Seal material: Optional materials to meet specific customer requirements	Automated operation: Higher efficiency, more stable test results

G10 Quick Connector Specifications



Max. Op. Pressure	Vacuum to 35 Bar
Sealing Range	0.8mm ~ 80mm
Min. Insert Depth	Bodies 0, 1: 15 mm Bodies 2, 3: 30 mm
Flow Port	BSPP1/8, BSPP1/4, BSPP1/2 Threaded Ports
Material	Aluminum or Stainless
Main Seal	Neoprene / Silicone
Inner Seal	NBR
Drive Pressure	4-6 Bar
Operating Temp.	-20 °C to +120 °C

The G10 series uses pneumatic drive to compress the internal seal, creating a leak-free external connection for all kinds of fittings. The G10 connector is the ideal choice for leak testing and function testing.

Water Channel Testing

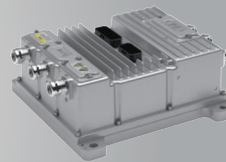
Turbocharger
Radiator
Plastic Port
Fuel Pump



Carbon Canister



Medical Tubing

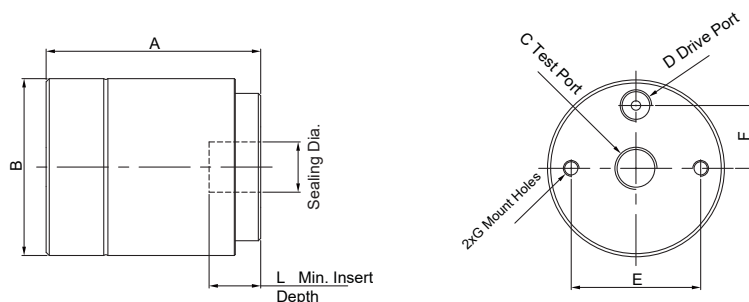


Motor Controller

G10 Tube OD Quick Connector

ONE-STOP CONNECTION

Easy Replacement | Automated Operation | Full Model Range | Fast Operation | Various Seal Materials | OD Sealing |



G10 Model Specification Table (Aluminum Version)

Model	Sealing Dia.	Dim. A	Dim. B	Dim. C	Dim. D	Dim. E	Dim. F	Dim. G	Dim. L	Main Seal Kit**
G10-0007D	0.8 - 1.3	51.4	37.9	BSPP1/8	M5	27.6	13.8	M5	15	SG10-0007D
G10-0013D	1.3 - 2.0									SG10-0013D
G10-0020D	2.0 - 3.3									SG10-0020D
G10-0025	2.5 - 4.5									SG10-0025
G10-0045	4.5 - 6.5									SG10-0045
G10-0065	6.5 - 8.5									SG10-0065
G10-0075	7.5 - 9.5									SG10-0075
G10-0085	8.5 - 10.5									SG10-0085
G10-0095	9.5 - 11.5									SG10-0095
G10-0105	10.5 - 13.0									SG10-0105
G10-1110	11.0 - 13.0	68.4	56.3	BSPP1/4	BSPP1/8	41.2	20	M5	15	SG10-1110
G10-1130	13.0 - 15.0									SG10-1130
G10-1150	15.0 - 17.0									SG10-1150
G10-1160	16.0 - 18.0									SG10-1160
G10-1170	17.0 - 19.0									SG10-1170
G10-1180	18.0 - 20.0									SG10-1180
G10-1190	19.0 - 21.0									SG10-1190
G10-2200	20.0 - 22.0	88.7	79	BSPP1/2	BSPP1/8	63.5	31.7	M6	30	SG10-2200
G10-2220	22.0 - 24.0									SG10-2220
G10-2240	24.0 - 26.0									SG10-2240
G10-2260	26.0 - 28.0									SG10-2260
G10-2280	28.0 - 30.0									SG10-2280
G10-2300	30.0 - 32.0									SG10-2300
G10-2320	32.0 - 34.0									SG10-2320
G10-2340	34.0 - 36.0									SG10-2340
G10-2360	36.0 - 38.0									SG10-2360
G10-3380	38.0 - 41.0	113.5	107.4	BSPP1	BSPP1/8	82.6	41.3	M6	30	SG10-3380
G10-3410	41.0 - 44.0									SG10-3410
G10-3440	44.0 - 47.0									SG10-3440
G10-3470	47.0 - 50.0									SG10-3470

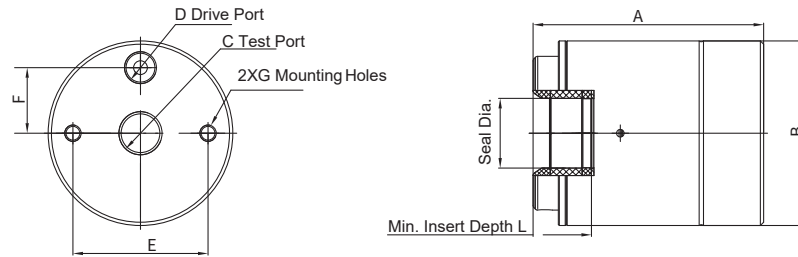
1. Non-standard G10 quick connectors include larger outer diameters, extended front ends and shorter sealing lengths.

2. Custom G10 quick connectors include sealing various threads, non-circular shapes, snap-fit mechanisms and multiple connector combinations. Please contact your local distributor or GripSeal sales representative.

G10P Tube OD Quick Connector

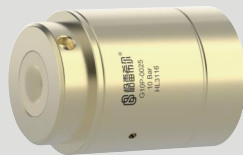
ONE-STOP CONNECTION

Easy Replacement | Automated Operation | Full Model Range | Fast Operation | Various Seal Materials | OD Sealing |

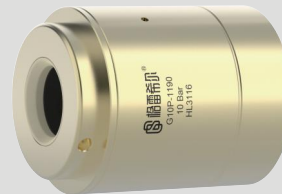


G10P Model Specification Table

Model	Sealing Dia.	Max. Press.	Length A	Dia. B	Test Port C	Drive Port D	Dim. E	Dim. F	Mount Hole G	Dim. L	Main Seal Kit**
G10P-0025	2.5 - 4.5	10Bar	53.5	37.9	BSPP1/8	M5	27.6	13.8	M5	17	SG10P-0025
G10P-0045	4.5 - 6.5										SG10P-0045
G10P-0065	6.5 - 8.5										SG10P-0065
G10P-0075	7.5 - 9.5										SG10P-0075
G10P-0085	8.5 - 10.5										SG10P-0085
G10P-0095	9.5 - 11.5										SG10P-0095
G10P-0105	10.5 - 13.0										SG10P-0105
G10P-1110	11.0 - 13.0										SG10P-1110
G10P-1120	12.0 - 14.0	10Bar	70.3	56.3	BSPP1/4	BSPP1/8	41.2	20	M5	17.8	SG10P-1120
G10P-1130	13.0 - 15.0										SG10P-1130
G10P-1140	14.0 - 16.0										SG10P-1140
G10P-1150	15.0 - 17.0										SG10P-1150
G10P-1160	16.0 - 18.0										SG10P-1160
G10P-1170	17.0 - 19.0										SG10P-1170
G10P-1180	18.0 - 20.0										SG10P-1180
G10P-1190	19.0 - 21.0										SG10P-1190



Body 0



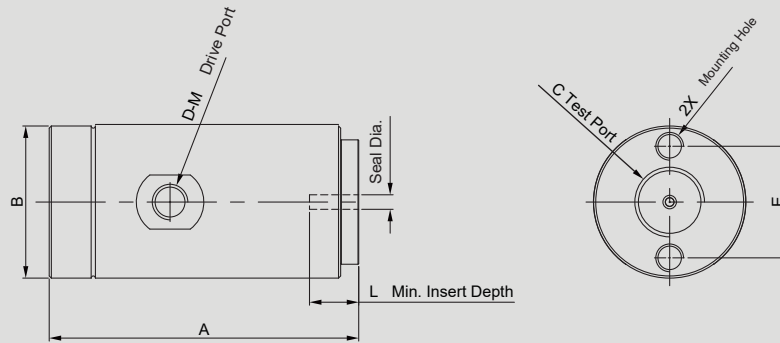
Body 1

G10SS Tube OD Quick Connector (Stainless Steel Version)

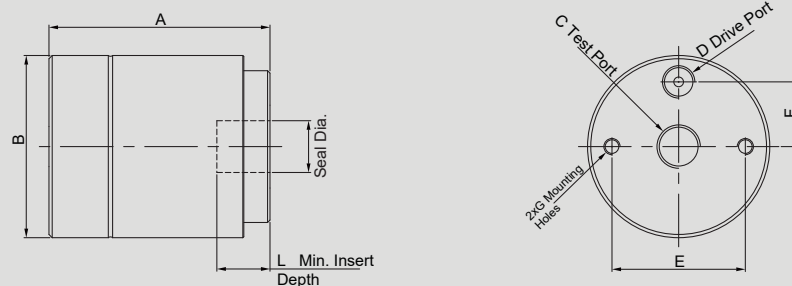
ONE-STOP CONNECTION

Easy Replacement | Automated Operation | Full Model Range | Fast Operation | Various Seal Materials | OD Sealing |

G10SS-A



G10SS-0



G10SS Model Specification Table (Stainless Steel Version)

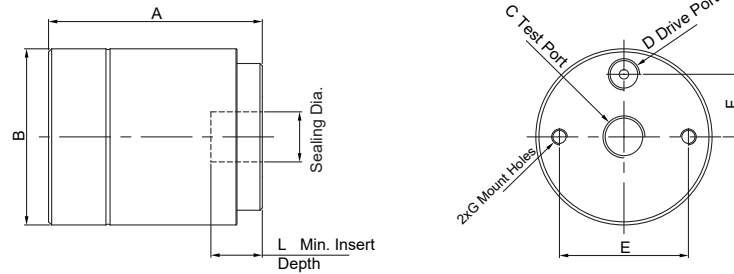
Model	Sealing Dia.	Dim. A	Dim. B	Dim. C	Dim. D	Dim. E	Dim. F	Dim. G	Dim. L	Main Seal Kit**
G10SS-A007	0.8 - 1.3	43.5	21.4	BSPP1/8	M5	15.7	N/A	M4	4.5	SG10SS-A007
G10SS-A013	1.3 - 2.0									SG10SS-A013
G10SS-A020	2.0 - 3.3									SG10SS-A020
G10SS-A007C	0.8 - 1.3	43.5	21.4	BSPP1/8	M5	15.7	N/A	M4	6.1	SG10SS-A007C
G10SS-A013C	1.3 - 2.0									SG10SS-A013C
G10SS-A020C	2.0 - 3.3									SG10SS-A020C
G10SS-0007D	0.8 - 1.3	51.4	37.9	BSPP1/8	M5	27.6	13.8	M5	15	SG10SS-0007D
G10SS-0013D	1.3 - 2.0									SG10SS-0013D
G10SS-0020D	2.0 - 3.3									SG10SS-0020D
G10SS-0025	2.5 - 4.5									SG10SS-0025
G10SS-0045	4.5 - 6.5									SG10SS-0045
G10SS-0065	6.5 - 8.5									SG10SS-0065
G10SS-0075	7.5 - 9.5									SG10SS-0075
G10SS-0085	8.5 - 10.5									SG10SS-0085
G10SS-0095	9.5 - 11.5									SG10SS-0095
G10SS-0105	10.5 - 13.0									SG10SS-0105

G10RC

Tube OD Quick Connector
(Taper Pipe Thread)

ONE-STOP CONNECTION

Easy Replacement | Automated Operation | Full Model Range | Fast Operation | Various Seal Materials | OD Sealing |



G10RC Model Specification Table (Aluminum Version)

Model	Sealing Dia.	Dim. A	Dim. B	Dim. C	Dim. D	Dim. E	Dim. F	Dim. G	Dim. L	Main Seal Kit**
G10RC-0007D	0.8 - 1.3	51.4	37.9	BSPT1/8	M5	27.6	13.8	M5	15	SG10RC-0007D
G10RC-0013D	1.3 - 2.0									SG10RC-0013D
G10RC-0020D	2.0 - 3.3									SG10RC-0020D
G10RC-0025	2.5 - 4.5									SG10RC-0025
G10RC-0045	4.5 - 6.5									SG10RC-0045
G10RC-0065	6.5 - 8.5									SG10RC-0065
G10RC-0075	7.5 - 9.5									SG10RC-0075
G10RC-0085	8.5 - 10.5									SG10RC-0085
G10RC-0095	9.5 - 11.5									SG10RC-0095
G10RC-0105	10.5 - 13.0									SG10RC-0105
G10RC-1110	11.0 - 13.0	68.4	56.3	BSPT1/4	BSPT1/8	41.2	20	M5	15	SG10RC-1110
G10RC-1130	13.0 - 15.0									SG10RC-1130
G10RC-1150	15.0 - 17.0									SG10RC-1150
G10RC-1160	16.0 - 18.0									SG10RC-1160
G10RC-1170	17.0 - 19.0									SG10RC-1170
G10RC-1180	18.0 - 20.0									SG10RC-1180
G10RC-1190	19.0 - 21.0									SG10RC-1190
G10RC-2200	20.0 - 22.0	88.7	79	BSPT1/2	BSPT1/8	63.5	31.7	M6	30	SG10RC-2200
G10RC-2220	22.0 - 24.0									SG10RC-2220
G10RC-2240	24.0 - 26.0									SG10RC-2240
G10RC-2260	26.0 - 28.0									SG10RC-2260
G10RC-2280	28.0 - 30.0									SG10RC-2280
G10RC-2300	30.0 - 32.0									SG10RC-2300
G10RC-2320	32.0 - 34.0									SG10RC-2320
G10RC-2340	34.0 - 36.0									SG10RC-2340
G10RC-2360	36.0 - 38.0									SG10RC-2360
G10RC-3380	38.0 - 41.0	113.5	107.4	BSPT1	BSPT1/8	82.6	41.3	M6	30	SG10RC-3380
G10RC-3410	41.0 - 44.0									SG10RC-3410
G10RC-3440	44.0 - 47.0									SG10RC-3440
G10RC-3470	47.0 - 50.0									SG10RC-3470

1. Non-standard G10RC quick connectors include larger outer diameters, extended front ends and shorter sealing lengths.
2. Custom G10RC quick connectors include sealing various threads, non-circular shapes, snap-fit mechanisms and multiple connector combinations. Please contact your local distributor or GripSeal sales representative.

G10 Pro

Tube OD Quick Connector

ONE-STOP CONNECTION

Signal Feedback | Automated Operation | OD Sealing | Full Model Range | Damage-Free Connection |

Compared with the traditional G10 series, the G10 Pro series can carry an external magnetic sensor for more precise tracking of the drive status of the connector and the expansion of the seal, eliminating faulty connections caused by incomplete sealing and improving automated inspection efficiency.



Automated Wrap-Around Connection Solution

- * Sensor feedback for early detection
- * Eliminates waste caused by failed connections
- * Automated testing maximises output capacity
- * Improves the stability of the entire test process

G10 Pro Series Quick Connector Features

1. Sensor feedback

Sensor position indicates whether the connection is properly in place.

2. Pneumatic drive

Air enters through the rear drive port, pushing the internal piston to compress the seal for expanding sealing.

3. Automated operation

Two rear fixing holes allow the connector to be mounted on any actuator for accurate, reliable automated operation.

4. Damage-free operation

The seal grips without scoring, so the test part surface is never damaged

G10 Pro series quick connectors, from body A to body 3, seal plain tubes from 0.8 mm to 50 mm in diameter. Selected Bodies



G10 Pro

Tube OD Quick Connector

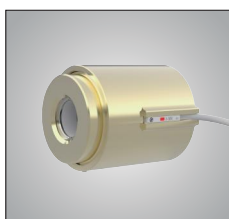
ONE-STOP CONNECTION

Signal Feedback | Automated Operation | OD Sealing | Full Model Range | Damage-Free Connection |

G10 Pro Quick Connector Advantages and Features



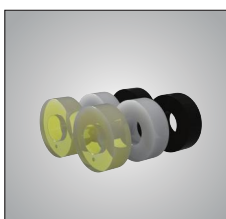
Damage-free sealed connection that does not affect the appearance of the product



A position sensor gives real-time feedback on whether the internal has actuated



Quick Seal Replacement: Simple maintenance, piston longer service life

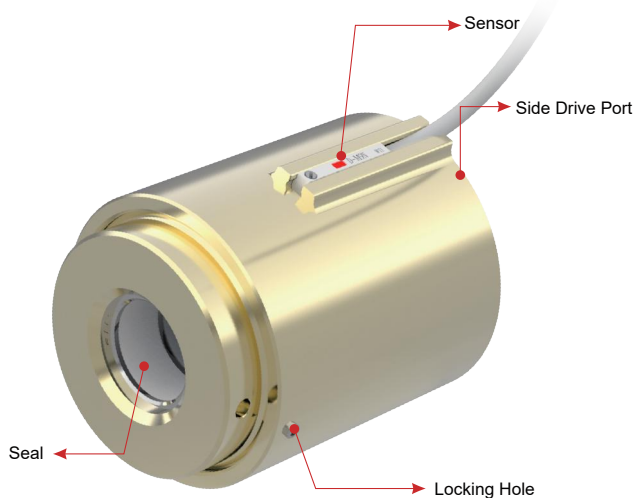


Seal material: Optional materials to meet different customer requirements



Automated operation: Higher efficiency, more stable test results

G10 Pro Quick Connector Specifications



Max. Op. Pressure	Vacuum to 35 Bar
Sealing Range	See Selection Table
Min. Insert Depth	Bodies 0, 1: 15 mm Bodies 2, 3: 30 mm
Flow Port	BSPP1/8, BSPP1/4, BSPP1/2 Threaded Ports
Material	Aluminum or Stainless
Main Seal	Neoprene / Silicone
Inner Seal	NBR
Drive Pressure	4-6 Bar
Operating Temp.	-20 °C to +120 °C

SMC solid-state magnetic switches are recommended; related models are listed below:

Direct Cable Outlet

- Two-wire type with low load current 2.5~40mA
- Standard type uses a flexible cable



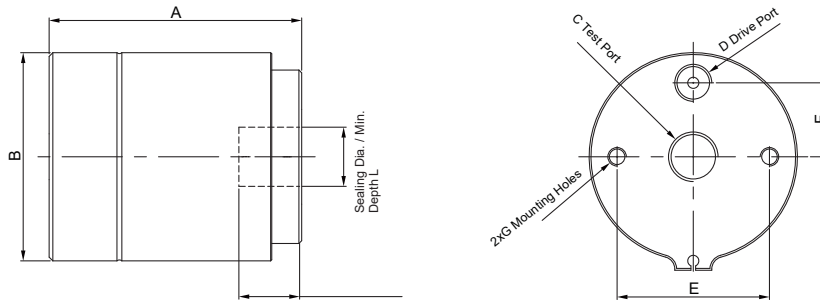
Cable Length	0.5 m	1 m	3 m
Output Type			
NPN Type	D-M9N	D-M9NM	D-M9NL
PNP Type	D-M9P	D-M9PM	D-M9PL
Two-Wire Type	D-M9B	D-M9BM	D-M9BL

G10 Pro

Tube OD Quick Connector

ONE-STOP CONNECTION

Signal Feedback | Automated Operation | OD Sealing | Full Model Range | Damage-Free Connection |



G10Pro Model Specification Table (Aluminum Version)

Model	Sealing Dia.	Dim. A	Dim. B	Dim. C	Dim. D	Dim. E	Dim. F	Dim. G	Dim. L	Main Seal Kit**
G10Pro-0007D	0.8 - 1.3	53.6	41	BSPP1/8	M5	27.6	13.8	M5	15	SG10Pro-0007D
G10Pro-0013D	1.3 - 2.0									SG10Pro-0013D
G10Pro-0020D	2.0 - 3.3									SG10Pro-0020D
G10Pro-0025	2.5 - 4.5									SG10Pro-0025
G10Pro-0045	4.5 - 6.5									SG10Pro-0045
G10Pro-0065	6.5 - 8.5									SG10Pro-0065
G10Pro-0075	7.5 - 9.5									SG10Pro-0075
G10Pro-0085	8.5 - 10.5									SG10Pro-0085
G10Pro-0095	9.5 - 11.5									SG10Pro-0095
G10Pro-0105	10.5 - 13.0									SG10Pro-0105
G10Pro-1110	11.0 - 13.0	68.4	60	BSPP1/4	BSPP1/8	41.2	20	M5	15	SG10Pro-1110
G10Pro-1130	13.0 - 15.0									SG10Pro-1130
G10Pro-1150	15.0 - 17.0									SG10Pro-1150
G10Pro-1160	16.0 - 18.0									SG10Pro-1160
G10Pro-1170	17.0 - 19.0									SG10Pro-1170
G10Pro-1180	18.0 - 20.0									SG10Pro-1180
G10Pro-1190	19.0 - 21.0									SG10Pro-1190
G10Pro-2200	20.0 - 22.0	91.4	83	BSPP1/2	BSPP1/8	63.5	31.7	M6	30	SG10Pro-2200
G10Pro-2220	22.0 - 24.0									SG10Pro-2220
G10Pro-2240	24.0 - 26.0									SG10Pro-2240
G10Pro-2260	26.0 - 28.0									SG10Pro-2260
G10Pro-2280	28.0 - 30.0									SG10Pro-2280
G10Pro-2300	30.0 - 32.0									SG10Pro-2300
G10Pro-2320	32.0 - 34.0									SG10Pro-2320
G10Pro-2340	34.0 - 36.0									SG10Pro-2340
G10Pro-2360	36.0 - 38.0									SG10Pro-2360

1. Non-standard G10Pro quick connectors include larger outer diameters, extended front ends and shorter sealing lengths.

2. Custom G10Pro quick connectors include sealing various threads, non-circular shapes, snap-fit mechanisms and multiple connector combinations. Please contact your local distributor or GripSeal sales representative.

G10D

Wrap-Around Quick Connector (Double Thrust)

ONE-STOP CONNECTION

High Flow | Side Inlet | Wrap-Around | Fixed Inlet Port | Small OD |

The G10D series pneumatic quick connector forms a seal by using drive air to push an internal piston that compresses the seal. Compared with the standard G10 series, G10D connectors have a smaller outer diameter and suit space-limited applications. The innovative Double Thrust technology keeps thrust stable despite the small outer diameter.



Pneumatic Wrap-Around Quick Connector

- * Compact with high flow
- * More effective testing lowers overall manufacturing cost
- * Automated testing maximises output capacity
- * Improved test stability
- * Reduces cost waste caused by failed connections

G10D Series Quick Connector Features

1. Double thrust

Double Thrust technology lets the G10D provide strong thrust while keeping a small outer diameter, maintaining stable sealing.

2. Fixed fluid port

The side fluid port is fixed and does not move with the internal mechanism, reducing turbulence and helping to keep the test connector stable.

3. Small OD

Better suited to automated applications with limited space.

4. High flow

Both side and straight-through inlets use a large-bore design, fully ensuring flow during liquid testing.

G10D series quick connectors, from body 0 to body 2, seal plain tubes from 0.8 mm to 28 mm in diameter.
Selected Bodies



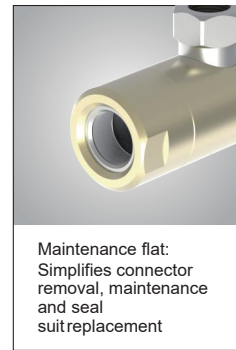
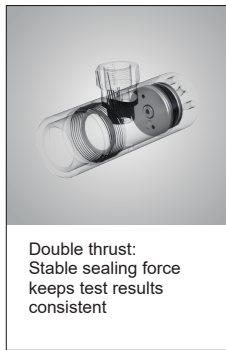
G10D

Wrap-Around Quick Connector (Double Thrust)

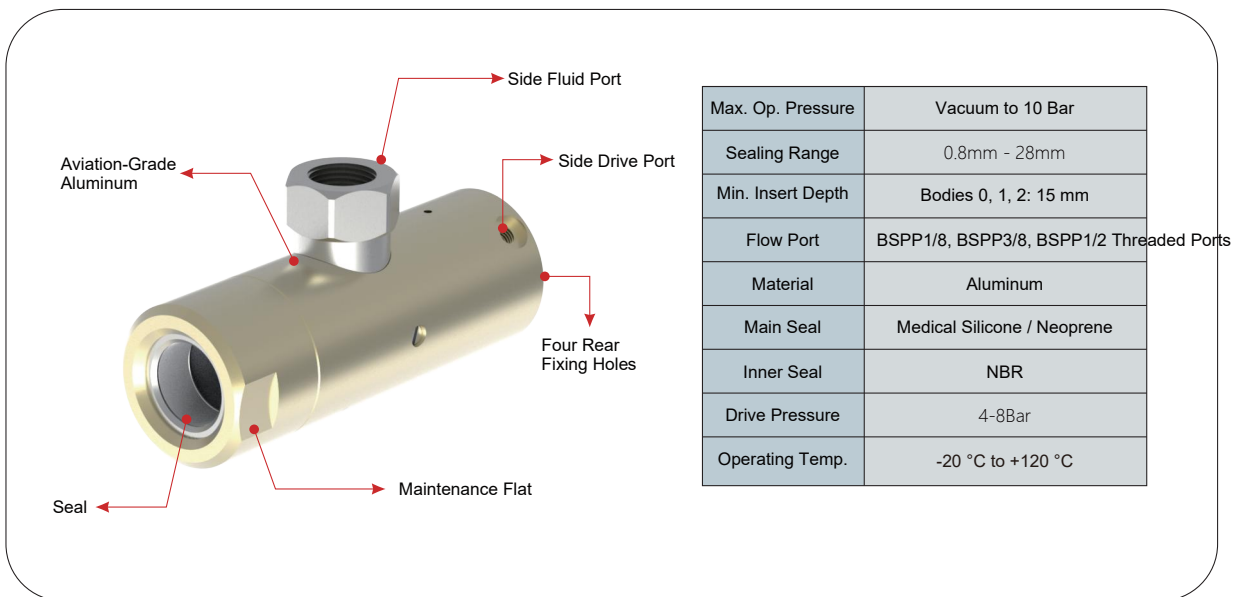
ONE-STOP CONNECTION

High Flow | Side Inlet | Wrap-Around | Fixed Inlet Port | Small OD |

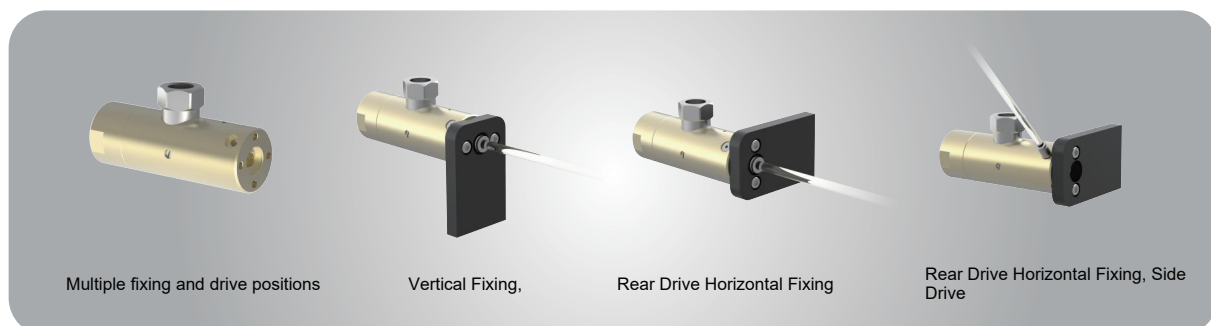
G10D Quick Connector Advantages and Features



G10D Quick Connector Specifications



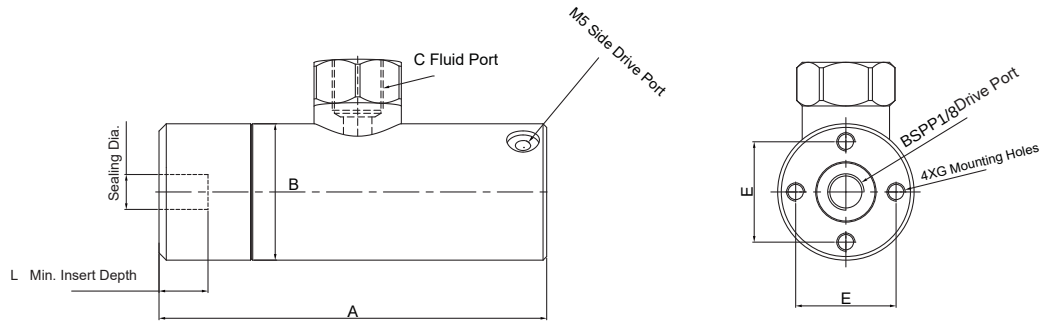
Multiple mounting options for the G10D: four threaded holes on the base and an adjustable test port direction. The drive port can be at the base or at the side - choose either, for further flexibility.



G10D Wrap-Around Quick Connector (Double Thrust)

ONE-STOP CONNECTION

High Flow | Side Inlet | Wrap-Around | Fixed Inlet Port | Small OD |



G10D Model Specification Table (Aluminum Version)

Model	Sealing Dia.	Dim. A	Dim. B	Dim. C	Dim. E	Dim. G	Insert Depth L	Main Seal Kit**
G10D-0007D	0.8 - 1.3	99.9	29.7	BSPP1/8	23	M4	15.4	SG10D-0007D
G10D-0013D	1.3 - 2.0							SG10D-0013D
G10D-0020D	2.0 - 3.3							SG10D-0020D
G10D-0025	2.5 - 4.5							SG10D-0025
G10D-0045	4.5 - 6.5							SG10D-0045
G10D-0065	6.5 - 8.5							SG10D-0065
G10D-0075	7.5 - 9.5							SG10D-0075
G10D-0085	8.5 - 10.5							SG10D-0085
G10D-0095	9.5 - 11.5							SG10D-0095
G10D-0105	10.5 - 13.0							SG10D-0105
G10D-1110	11.0 - 13.0	106.6	37.5	BSPP3/8	27.6	M5	15.3	SG10D-1110
G10D-1130	13.0 - 15.0							SG10D-1130
G10D-1150	15.0 - 17.0							SG10D-1150
G10D-1160	16.0 - 18.0							SG10D-1160
G10D-1170	17.0 - 19.0							SG10D-1170
G10D-1180	18.0 - 20.0							SG10D-1180
G10D-1190	19.0 - 21.0							SG10D-1190
G10D-1210	21.0 - 23.0							SG10D-1210
G10D-2200	20.0 - 22.0	116.6	44.7	BSPP1/2	32	M6	18.0	SG10D-2200
G10D-2220	22.0 - 24.0							SG10D-2220
G10D-2240	24.0 - 26.0							SG10D-2240
G10D-2260	26.0 - 28.0							SG10D-2260

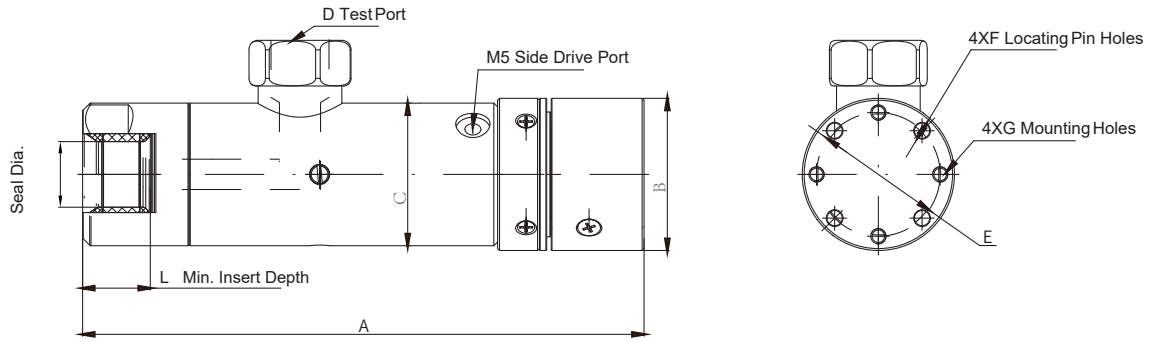
The small size, high flow, pneumatic drive and leak-free performance of the G10D series make it the best connection solution for automated pressure testing, running testing and flow testing.

The connector has a BSPP1/8 drive port at the base and an M5 drive port at the side; users may choose either, as both air paths are connected. Standard products are supplied with an M5 plug cap.

G10D Wrap-Around Quick Connector (Double Thrust)

ONE-STOP CONNECTION

High Flow | Side Inlet | Wrap-Around | Fixed Inlet Port | Small OD |



G10D Model Specification Table (Aluminum Version)

Model	Sealing Dia.	Max. Press.	Length A	Dia. B	Dim. C	Test Port D	Dim. E	Locating Pin F	Mount Hole G	Min. Insertion Depth L	Main Seal Kit**
G10D-0025PA-GFL	2.5 - 4.5	10 Bar	140	40	29.7	BSPP1/8	32.5	4	M4	16.9	SG10D-0025PA-GFL
G10D-0045PA-GFL	4.5 - 6.5										SG10D-0045PA-GFL
G10D-0065PA-GFL	6.5 - 8.5										SG10D-0065PA-GFL
G10D-0075PA-GFL	7.5 - 9.5										SG10D-0075PA-GFL
G10D-0085PA-GFL	8.5 - 10.5										SG10D-0085PA-GFL
G10D-0095PA-GFL	9.5 - 11.5										SG10D-0095PA-GFL
G10D-0105PA-GFL	10.5 - 13.0										SG10D-0105PA-GFL
G10D-1110PA-GFL	11.0 - 13.0	10 Bar	147.59	40	37.5	BSPP3/8	32.5	4	M4	17.9	SG10D-1110PA-GFL
G10D-1120PA-GFL	12.0 - 14.0										SG10D-1120PA-GFL
G10D-1130PA-GFL	13.0 - 15.0										SG10D-1130PA-GFL
G10D-1140PA-GFL	14.0 - 16.0										SG10D-1140PA-GFL
G10D-1150PA-GFL	15.0 - 17.0										SG10D-1150PA-GFL
G10D-1160PA-GFL	16.0 - 18.0										SG10D-1160PA-GFL
G10D-1170PA-GFL	17.0 - 19.0										SG10D-1170PA-GFL
G10D-1180PA-GFL	18.0 - 20.0										SG10D-1180PA-GFL
G10D-1190PA-GFL	19.0 - 21.0										SG10D-1190PA-GFL
G10D-1210PA-GFL	21.0 - 23.0										SG10D-1210PA-GFL



Body 0



Body 1

G10T Wrap-Around Quick Connector

ONE-STOP CONNECTION

High Flow | Side Inlet | Wrap-Around | Fixed Inlet Port | Small OD | Damage-Free Connection | Float Compensation |

The G10T series pneumatic quick connector forms a seal by using drive air to push an internal piston that compresses the seal. Compared with the standard G10 series, G10T connectors use a PEEK spacer for damage-free connection, and the drive and test ports are moved to the side, making them suitable for GFL float compensation modules.



Pneumatic Wrap-Around Quick Connector

- * Damage-free connection
- * With a float compensation module it aligns automatically with the product
- * Automated testing maximises output capacity
- * Improved test stability
- * Reduces cost waste caused by failed connections

G10T Series Quick Connector Features

1. Damage-free connection

PEEK is used at contact points to prevent damage to the product.

2. Automatic alignment

Supplied with a float compensation module with 2 mm unilateral offset, compatible with most alignment situations.

3. Small OD

Better suited to automated applications with limited space.

4. High flow

Both side and straight-through inlets use a large-bore design, fully ensuring flow during liquid testing

G10T series quick connectors, from body 0 to body 1, seal plain tubes from 0.8 mm to 19 mm in diameter.

Selected Bodies

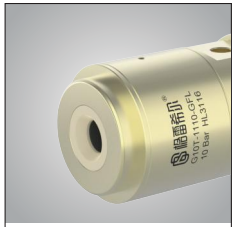
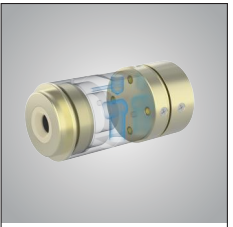
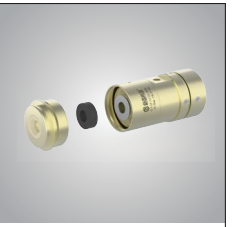
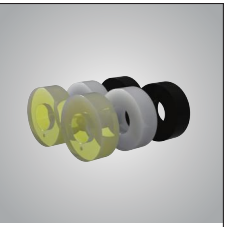


G10T Wrap-Around Quick Connector

ONE-STOP CONNECTION

High Flow | Side Inlet | Wrap-Around | Fixed Inlet Port | Small OD | Damage-Free Connection | Float Compensation |

G10T Quick Connector Advantages and Features

				
Damage-free connection: PEEK is used at all contact points to prevent damage to the product	With float compensation module: Automatic alignment with the product	Side drive and test ports: for easy mounting of bottom accessories	Quick seal replacement: simple maintenance and a longer service life	Seal material: Optional materials to meet different customer requirements

G10T Quick Connector Specifications



Max. Op. Pressure	Vacuum to 10 Bar
Sealing Range	0.8mm - 19mm
Min. Insert Depth	Bodies 0, 1, 2: 15 mm
Flow Port	BSPP1/8, BSPP3/8, BSPP1/2, BSPP1/4 Threaded Port
Material	Aluminum
Main Seal	Medical Silicone / Neoprene
Inner Seal	NBR
Drive Pressure	4-8Bar
Operating Temp.	-20 °C to +120 °C

The G10T series uses pneumatic drive to compress the internal seal, creating a leak-free external connection for all kinds of fittings. The G10T connector is the ideal choice for leak testing and function testing.

Water Channel Testing

Turbocharger

Radiator

Plastic Port

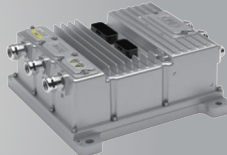
Fuel Pump



Carbon Canister



Medical Tubing

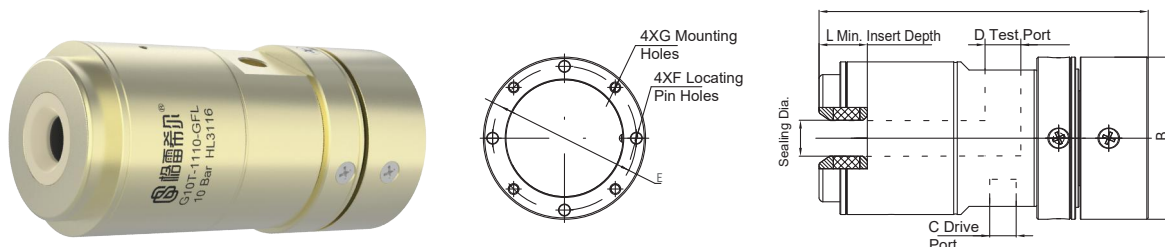


Motor Controller

G10T Wrap-Around Quick Connector

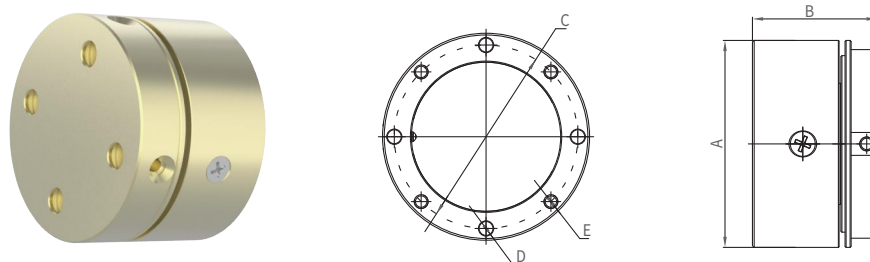
ONE-STOP CONNECTION

High Flow | Side Inlet | Wrap-Around | Fixed Inlet Port | Small OD | Damage-Free Connection | Float Compensation |



G10T Model Specification Table

Model	Sealing Dia.	Max. Press.	Length A	Dia. B	Drive Port C	Test Port D	Dim. E	Locating Pin F	Mount Hole	Min. Insert Depth L	Main Seal Kit**
G10T-0007D-GFL	0.8 - 1.3	10Bar	100	40	M5	BSPP1/8	32.5	4	M4	16.9	SG10T-0007D-GFL
G10T-0013D-GFL	1.3 - 2.0										SG10T-0013D-GFL
G10T-0020D-GFL	2.0 - 3.3										SG10T-0020D-GFL
G10T-0025-GFL	2.5 - 4.5										SG10T-0025-GFL
G10T-0045-GFL	4.5 - 6.5										SG10T-0045-GFL
G10T-0065-GFL	6.5 - 8.5										SG10T-0065-GFL
G10T-0075-GFL	7.5 - 9.5										SG10T-0075-GFL
G10T-0085-GFL	8.5 - 10.5										SG10T-0085-GFL
G10T-0095-GFL	9.5 - 11.5										SG10T-0095-GFL
G10T-0105-GFL	10.5 - 13.0										SG10T-0105-GFL
G10T-1110-GFL	11.0 - 13.0	10Bar	121.4	59.8	BSPP1/8	BSPP1/4	32.5	4	M4	17.8	SG10T-1110-GFL
G10T-1120-GFL	12.0 - 14.0										SG10T-1120-GFL
G10T-1130-GFL	13.0 - 15.0										SG10T-1130-GFL
G10T-1140-GFL	14.0 - 16.0										SG10T-1140-GFL
G10T-1150-GFL	15.0 - 17.0										SG10T-1150-GFL
G10T-1160-GFL	16.0 - 18.0										SG10T-1160-GFL
G10T-1170-GFL	17.0 - 19.0										SG10T-1170-GFL
G10T-1180-GFL	18.0 - 20.0										SG10T-1180-GFL
G10T-1190-GFL	19.0 - 21.0										SG10T-1190-GFL



GFL Model Specification Table

Model	Unilateral Float Range	A	B	C	D	E
GFL-S2-Z	2	40	33.5	32.5	4	M4
GFL-S3-Z	3	60	36	53	4	M4