

Modular Plug-In Connectors



Parker Legris' modular plug-in connectors allow a maximum number of tube connections in a minimum of space. Offering an ergonomic solution to enable quick connection for the most complex installations.

Product Features:

- Silicone-Free

Panel-Mounted

- Panel mounted to a machine or bulkhead
- Reduced risk of incorrect assembly
- In-line connection
- Plated metal joiners and clips for reinforcement

In-Line

- Locating pin prevents incorrect assembly
- Cap guides the tubes and protects connections
- Aluminium and glass-reinforced nylon 6.6 components
- Bulkhead mountable

DIN Rail

- Used alongside electrical connectors
- Pressure indication
- Can be clipped side-by-side into a DIN rail profile [or Ω
- Channels or slots for labels for tube identification

Markets:

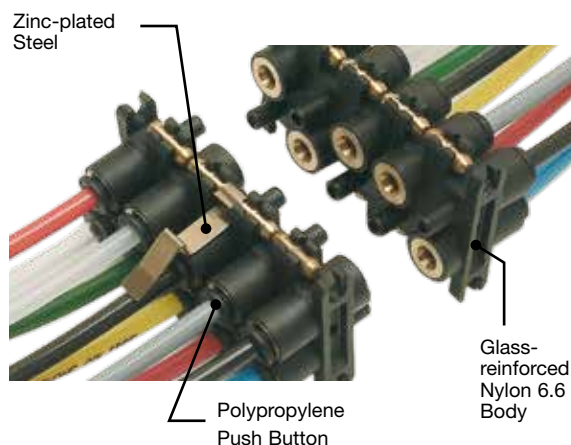
- Factory/Process Automation
- Automotive
- Packaging

Applications:

- Robotics
- Automotive Process
- Pneumatics
- Semi-Conductors
- Textile
- Packaging

Technical Characteristics:

Compatible Fluids	Compressed air
	Other fluids: please consult us
Working Pressure	145 psi (10 bar)
Vacuum Capability	28" Hg
Working Temperature	-4° to 176° F (-20° to +80° C)





These components are similar in principle to the electrical connectors found in control panels and used to rationalize cabling and trouble shooting.

Used alongside electrical connectors Legris DIN rail connectors provide similar facilities for pneumatic pipework, and are mounted on the same rail profile which allows electrics and pneumatics to run side by side. All tube connections are Legris push-to-connect fittings for plastic tubing.

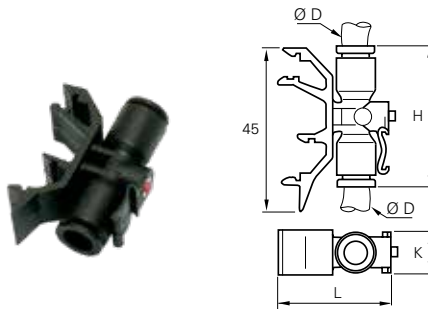
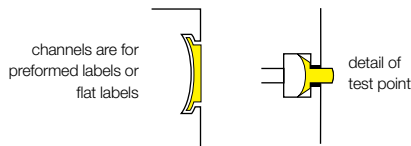
Identification and Trouble Shooting

Tube identification

Channels or slots for labels are found on the front of these connectors which allows air lines to be coded and identified to assist in trouble shooting.

Test point facility

Being able to detect the presence of air is an important consideration when maintaining pneumatic control systems. Legris DIN rail connectors incorporate test points which pop out after being manually depressed, indicating the presence of air in the pipe.

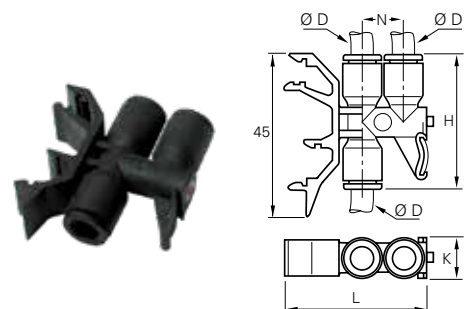


3379 Connector for 2 Tubes in Line

PART NO.	ØD IN	H IN	K IN	L IN	W OZ
3379 04 00	5/32	1.44	.47	1.18	.71
3379 56 00	1/4	1.44	.47	1.18	.92
3379 08 00	5/16	1.81	.51	1.28	1.20

PART NO.	ØD MM	H MM	G K MM	L MM	W KG
3379 04 00	4	36.5	12	30	.020
3379 06 00	6	36.5	12	30	.026
3379 08 00	8	46	13	32.5	.034

fixed by clipping to DIN rail



3381 Connector for 3 Tubes

PART NO.	ØD IN	H IN	K IN	L IN	N IN	W OZ
3381 04 00	5/32	1.44	.43	1.56	.45	.95
3381 08 00	5/16	1.81	.51	1.75	.57	1.52

PART NO.	ØD MM	H MM	K MM	L MM	N MM	W KG
3381 04 00	4	36.5	11	39.5	11.5	.027
3381 06 00	6	36.5	11	39.5	11.5	.033
3381 08 00	8	46	13	44.5	14.5	.043

fixed by clipping to DIN rail

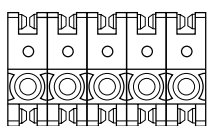


The modular construction of this component allows a number of pneumatic tubes to be connected or separated with a simple plug-in action.

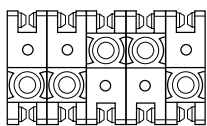
A series of male/female connectors provide a leak proof joint. Units of any length can be constructed.

The two common uses for this product are:

1. Fixing one half to a panel, machine or bulkhead and allowing the floating half to be assembled or disconnected to change a machine or sequence. Often when machines are transported air lines are separated and this connection provides a foolproof method of reconnection on site.
2. Using the connector in an in-line mode for joining long lengths of pipe-work which need to be disconnected periodically. It is advisable to limit the unit length to five connectors as illustrated in the photograph below.



standard
assembly



offset
assembly

Personalization of Connector

By reversing the slices of the module during their assembly it is possible to "offset" units so that they cannot be mixed or inadvertently connected in the wrong order.

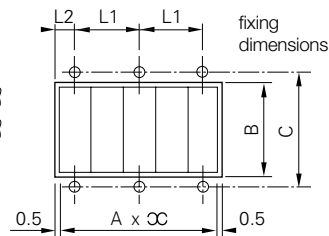
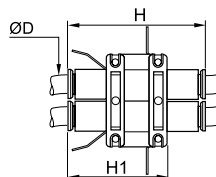
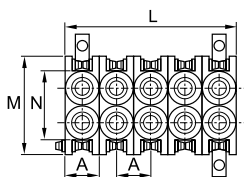
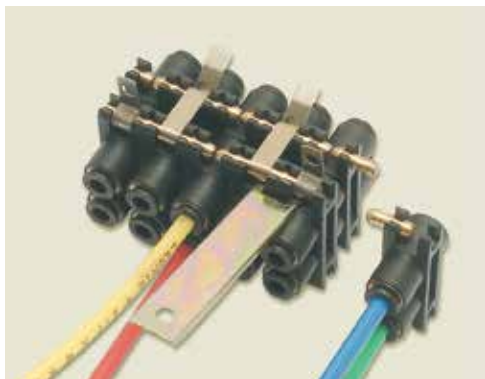
Components Used in the Module Assembly

The module is constructed from a number of symmetrical components that are designed to work together.

When fully assembled, one box of the modular plug-in connector provides twenty, 4mm tube connections (ten in one half and ten mating ones in the other).

The complete box contains:

- 10 units each
- 20 joining pins and 4 end pins
- 4 mounting brackets
- 4 coupling clips
- 1 dismantling tool



3300 Modular Plug-In Connectors

PART NO.	ØD	A MM	B MM	C MM	H MM	H1 MM	L MM	L1 MM	L2 MM	M MM	N MM	W KG
3300 04 00	5/32, 4MM	11	21	40	40.5	29.5	55	22	6	32	20	0.106
3300 06 00	6MM	14	28	47	48	38.5	70	28	7.5	39	27.5	0.106
3300 08 00	5/16, 8MM	14	28	47	50	39	70	28	7.5	39	27.5	0.106



The Parker Legris multi-tube connector is designed for simultaneous connection and disconnection of seven and 12 tubes. Its LF3000 technology and performance makes it easy to use:

- Instant connection and disconnection, without tools
- Full flow, without restriction

In order to facilitate the installation, each tube outlet is numbered. A location pin avoids assembly errors and a cap helps to guide the tubes and to protect connections. To cover all users' needs, this range can also be used for bulkhead connections.



3320 Male Connector Body Fractional Inch

PART NO.	ØD IN	NUMBER OF OUTLETS	C1	C2	ØD 1 IN	W OZ
3320 53 00 07	1/8	7	M46X1.5	M40X1.5	1.97	2.48
3320 04 00 07	5/32	7	M46X1.5	M40X1.5	1.97	2.50
3320 04 00 12	5/32	12	M65X1.5	M58X1.5	2.76	4.83
3320 56 00 07	1/4	7	M65X1.5	M58X1.5	2.76	4.72
3320 56 00 12	1/4	12	M72X1.5	M65X1.5	2.95	5.10

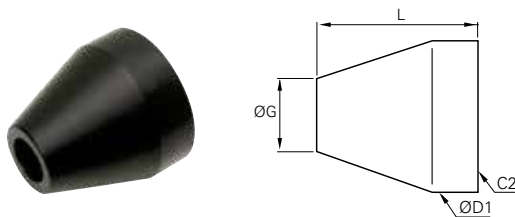
The number of male body outlets must correspond to the same number of outlets on the female body.
E.g. Model 3320 04 00 07 must only be connected to model 3321 04 00 07.



3321 Female Connector Body Fractional Inch

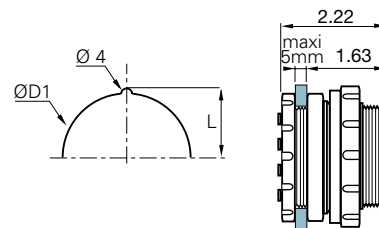
PART NO.	ØD IN	NUMBER OF OUTLETS	C1	C2	ØD 1 IN	W OZ
3321 53 00 07	1/8	7	M46X1.5	M40X1.5	2.17	2.24
3321 04 00 07	5/32	7	M46X1.5	M40X1.5	2.17	2.56
3321 04 00 12	5/32	12	M65X1.5	M58X1.5	2.95	4.34
3321 56 00 07	1/4	7	M65X1.5	M58X1.5	2.95	4.48
3321 56 00 12	1/4	12	M72X1.5	M65X1.5	2.95	4.96
3321 60 00 07	3/8	7	M65X1.5	M58X1.5	2.95	4.56

The number of female body outlets must correspond to the same number of outlets on the male body.
E.g. Model 3320 04 00 07 must only be connected to model 3321 04 00 07.



3329 Cap

PART NO.	ØD IN	NUMBER OF OUTLETS	C2	G IN	L IN	ØD 1 IN
3329 00 02	1/8	7	M40X1.5	1.38	2.17	1.97
3329 00 03	1/8	12	M58X1.5	1.65	2.76	2.76
3329 00 02	5/32	7	M40X1.5	1.38	2.17	1.97
3329 00 03	5/32	12	M58X1.5	1.65	2.76	2.76
3329 00 03	1/4	7	M58X1.5	1.65	2.76	1.97
3329 00 04	1/4	12	M65X1.5	2.01	3.46	2.95
3329 00 03	3/8	7	M58X1.5	1.65	2.76	2.76



Overall Dimensions For Bulkhead Mounting Fra

PART NO.	ØD IN	NUMBER OF OUTLETS	C1	C2	ØD 1 IN	W OZ
3321 53 00 07	1/8	7	M46X1.5	M40X1.5	2.17	2.24
3321 04 00 07	5/32	7	M46X1.5	M40X1.5	2.17	2.56
3321 04 00 12	5/32	12	M65X1.5	M58X1.5	2.95	4.34
3321 56 00 07	1/4	7	M65X1.5	M58X1.5	2.95	4.48
3321 56 00 12	1/4	12	M72X1.5	M65X1.5	2.95	4.96
3321 60 00 07	3/8	7	M65X1.5	M58X1.5	2.95	4.56