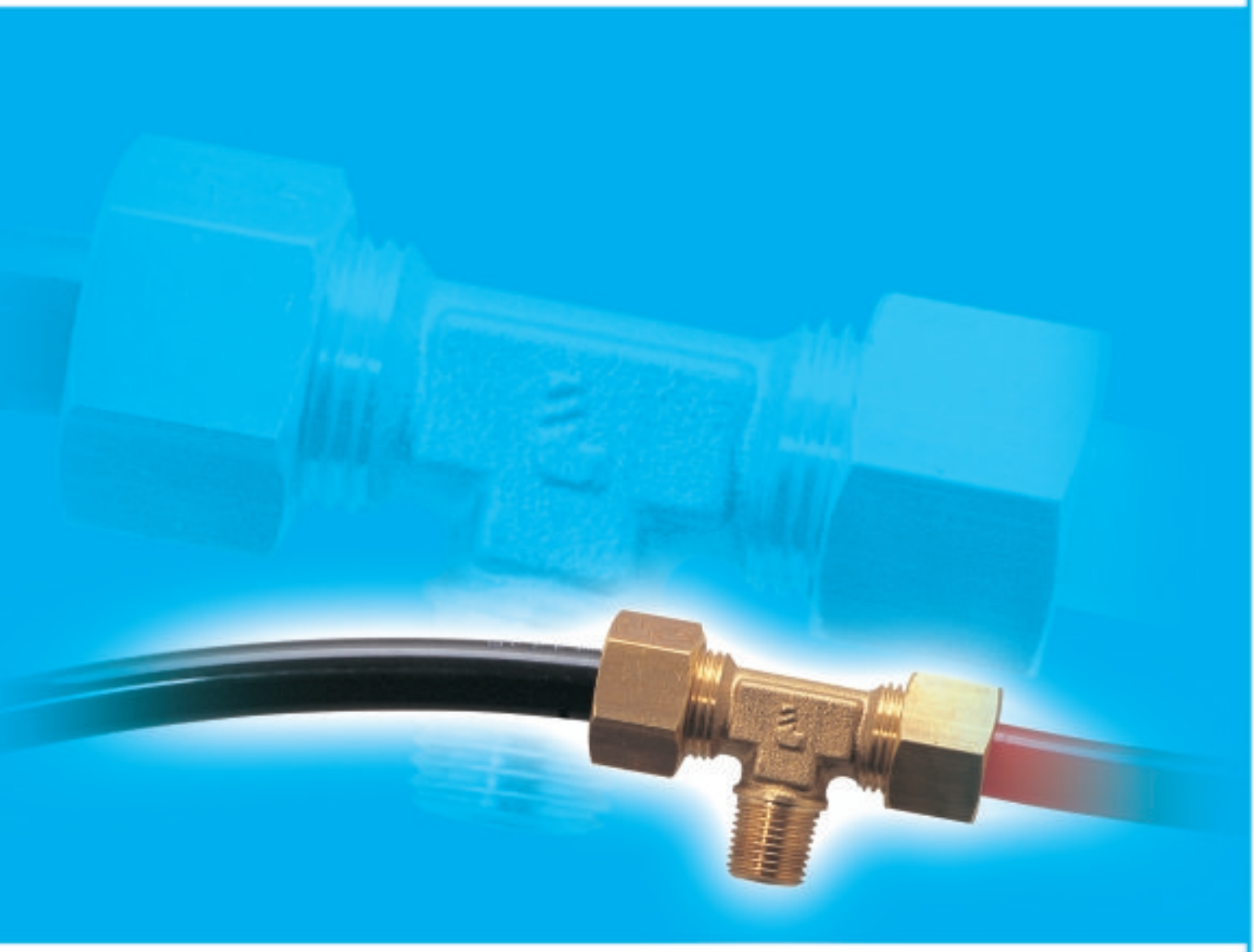
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brass compression fittings



legris connectic

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fractional inch compression fittings

applications



Use long nut when excessive vibration may be encountered.

compression

Copper, brass, aluminum, and plastic tubing. Not recommended for steel tubing. Soft plastic tubing requires support inside and in line sleeve.

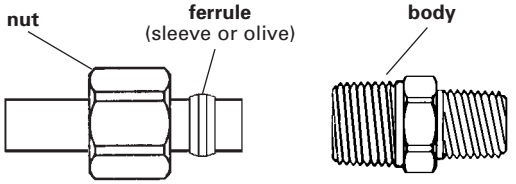
Maximum working pressure is 400 psi. Nominal working pressure is 200 psi.

-65˚ to +250˚F.

compression fitting components and assembly

how are they assembled?

1. Use a tube cutter on the tubing to cut to length and assure a clean straight cut.
2. Prepare the end of the tube with a deburring tool to assure a surface free of burrs.
3. Slide the nut and then the ferrule onto the tube. The thread end of the nut must face out.
4. Insert tubing into the fitting body, making sure the tube is bottomed out on the fitting shoulder.
5. Assemble the nut to the body, hand tight.
6. Tighten the nut to the body using a wrench to the number of turns indicated in the table to the right.



tube size	additional turns from hand tight
1/8" thru 5/16"	1 1/4"
3/8" and larger	2 1/4"

Note: This chart applies to fractional inch sizes only.

application parameters

types of tubing
Designed for use with aluminum, copper and plastic tubing, not recommended for steel tube. Compression fittings are designed for medium pressure tubing where excessive vibration or tube movement is not involved. Not recommended for application using gaseous media.

working pressures for aluminum or copper tubing
Temperature and type of tubing are important factors. However, the following table is a good guide for proper selection at ambient temperatures of 73˚F.

psi	tube O.D. (in.)	tube wall (in.)
400	1/8"	.030
400	3/16"	.030
300	1/4"	.030
300	5/16"	.032
200	3/8"	.032
200	1/2"	.032
150	5/8"	.035
100	3/4"	.035
75	7/8"	.035

Note: For working pressures with plastic tubing, please see the tubing section of the Legris catalog. The pressure ratings will vary with the type tubing chosen. In any case **use only with nylon or polyethylene tubing.**

special requirements

plastic tubing: For application with either nylon or polyethylene tubing, it is recommended that the standard brass ferrule be replaced with a delrin ferrule. As well a brass insert should be used to further support the tube. The insert is **Series U063L** and the delrin ferrule is **Series U060L.**

vibration: It is not recommended to apply compression application or applications where their may be side loading on the fitting. For low vibration or side load, it is necessary to use a long nut. In this way the tubing will be better supported. The reference for this long nut is **Series U061L.**

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fractional inch compression fittings

thread and tubing codes

tube fitting size and thread standards

O.D. tube size	body threads O.D.	threads/in.
1/8	5/16	24
3/16	3/8	24
1/4	7/16	24
5/16	1/2	24
3/8	9/16	24
1/2	11/16	20

fractional size code
used with all part numbers to designate tube and pipe fractional sizes.

tube size code —1/16ths	1/8 2	3/16 3	1/4 4	5/16 5	3/8 6	1/2 8
pipe size code	1/8 A	1/4 B	3/8 C	1/2 D		

brass compression fittings

U068 L
NPT
Page G4



U066 L
NPT
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U069 L
NPT
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U070 L
NPT
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U079 L
NPT
Page G5



U072 L
NPT
Page G5



U071 L
NPT
Page G5



U062 L
Page G6



U065 L
Page G6



U064 L
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U077 L
Page G7



U060 L
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U060 L
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U061 L
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U061 L
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U063 L
Page G8

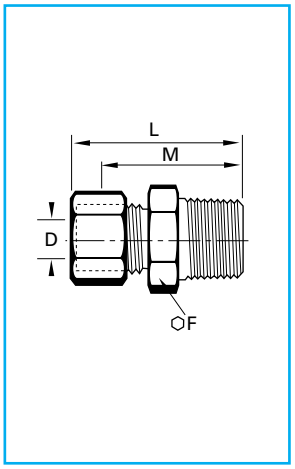


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brass compression fittings

U068 L compression connector — fractional inch tube to male NPT

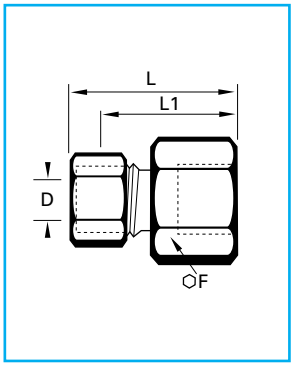




ØD in	NPT thread		F in	L in	M in	flow dia.D	oz
1/8	1/8	U068 L 2A	7/16	.97	.77	.094	.52
3/16	1/8	U068 L 3A	7/16	1.08	.84	.125	.53
3/16	1/4	U068 L 3B	9/16	1.27	1.03	.125	.84
1/4	1/8	U068 L 4A	7/16	1.10	.86	.188	.61
1/4	1/4	U068 L 4B	9/16	1.30	1.06	.188	.92
1/4	3/8	U068 L 4C	11/16	1.27	1.03	.188	1.20
1/4	1/2	U068 L 4D	7/8	1.55	1.31	.188	1.97
5/16	1/8	U068 L 5A	1/2	1.15	.89	.234	.73
5/16	1/4	U068 L 5B	9/16	1.33	1.07	.250	.96
3/8	1/8	U068 L 6A	9/16	1.25	.97	.250	.90
3/8	1/4	U068 L 6B	9/16	1.42	1.14	.312	1.08
3/8	3/8	U068 L 6C	11/16	1.44	1.16	.312	1.42
3/8	1/2	U068 L 6D	7/8	1.53	1.25	.312	1.88
1/2	1/4	U068 L 8B	11/16	1.62	1.22	.312	1.84
1/2	3/8	U068 L 8C	11/16	1.60	1.20	.406	1.95
1/2	1/2	U068 L 8D	7/8	1.71	1.31	.406	2.45

U066 L compression connector — fractional inch tube to female NPT

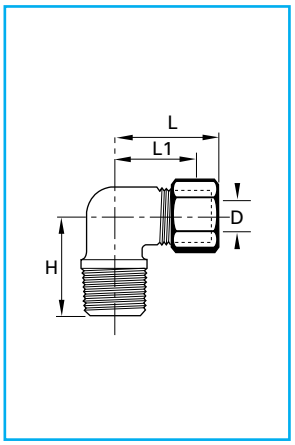




ØD in	NPT thread		F in	L in	L1 in	flow dia.D	oz
1/8	1/8	U066 L 2A	9/16	.95	.75	.094	.64
3/16	1/8	U066 L 3A	9/16	1.02	.78	.125	.68
1/4	1/8	U066 L 4A	9/16	1.02	.78	.188	.46
1/4	1/4	U066 L 4B	11/16	1.24	1.00	.188	1.20
5/16	1/8	U066 L 5A	9/16	1.07	.81	.250	.80
5/16	1/4	U066 L 5B	11/16	1.29	1.03	.250	1.24
3/8	1/8	U066 L 6A	9/16	1.06	.78	.312	.88
3/8	1/4	U066 L 6B	11/16	1.34	1.06	.312	.70
3/8	3/8	U066 L 6C	13/16	1.34	1.06	.312	1.53
3/8	1/2	U066 L 6D	1	1.54	1.27	.312	.60
1/2	3/8	U066 L 8C	13/16	1.52	1.12	.406	1.66
1/2	1/2	U066 L 8D	1	1.71	1.31	.406	1.67

U069 L compression elbow — fractional inch tube to male NPT





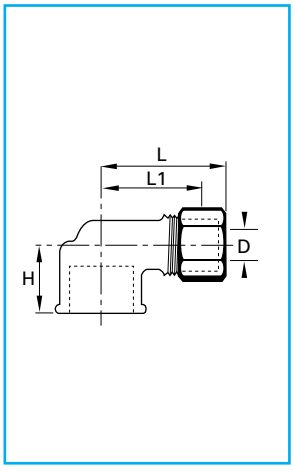
ØD in	NPT thread		L in	L1 in	H in	flow dia.D	oz
1/8	1/8	U069 L 2A	.80	.60	.67	.094	.73
3/16	1/8	U069 L 3A	.84	.61	.69	.125	.76
3/16	1/4	U069 L 3B	.86	.64	.93	.125	1.11
1/4	1/8	U069 L 4A	.86	.61	.74	.188	.93
1/4	1/4	U069 L 4B	.86	.62	.94	.188	1.29
1/4	3/8	U069 L 4C	.93	.68	1.00	.188	1.94
5/16	1/8	U069 L 5A	.88	.61	.74	.234	1.13
5/16	1/4	U069 L 5B	.95	.71	.93	.250	1.33
3/8	1/8	U069 L 6A	1.03	.74	.74	.234	1.42
3/8	1/4	U069 L 6B	1.03	.74	.93	.312	1.52
3/8	3/8	U069 L 6C	1.03	.75	1.00	.312	2.26
3/8	1/2	U069 L 6D	1.22	.94	1.27	.312	2.30
1/2	1/4	U069 L 8B	1.34	.94	1.00	.312	2.39
1/2	3/8	U069 L 8C	1.34	.93	1.11	.406	2.65
1/2	1/2	U069 L 8D	1.48	1.06	1.15	.406	3.00

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brass compression fittings

U070 L compression elbow — fractional inch tube to female NPT

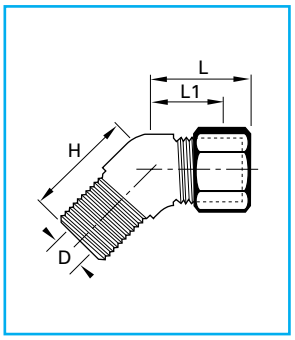




ØD in	NPT thread		L in	L1 in	H in	flow dia.D	oz
1/8	1/8	U070 L 2A	.89	.69	.56	.094	.83
3/16	1/8	U070 L 3A	.98	.73	.56	.125	.94
1/4	1/8	U070 L 4A	.93	.69	.56	.188	.94
1/4	1/4	U070 L 4B	1.02	.78	.70	.188	1.35
3/8	1/4	U070 L 6B	1.06	.79	.73	.312	2.34
3/8	3/8	U070 L 6C	1.22	.94	.69	.312	1.89
1/2	3/8	U070 L 8C	1.34	1.00	.69	.406	3.70

U079 L 45 degree elbow — fractional inch tube to male NPT

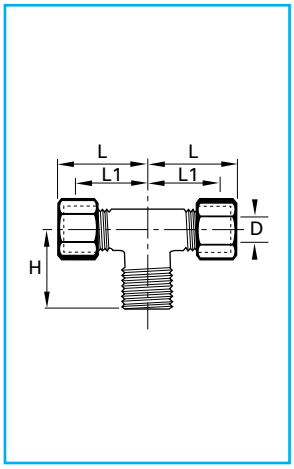




ØD in	NPT thread		L in	L1 in	H in	flow dia.D	oz
1/4	1/8	U079 L 4A	.90	.66	.56	.188	.75
1/4	1/4	U079 L 4B	.80	.56	.84	.188	1.45
3/8	1/4	U079 L 6B	.90	.63	.84	.312	1.56
3/8	3/8	U079 L 6C	.97	.75	.95	.312	2.00
1/2	3/8	U079 L 8C	1.15	.81	.95	.406	2.50

U072 L compression tee — fractional inch tube to male NPT

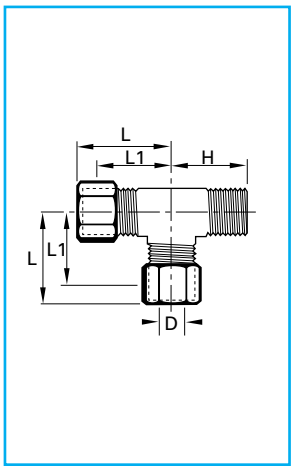




ØD in	NPT thread		L in	L1 in	H in	flow dia.D	oz
1/8	1/8	U072 L 2A	.82	.61	.71	.094	.99
3/16	1/8	U072 L 3A	.86	.61	.71	.125	1.10
1/4	1/8	U072 L 4A	.86	.61	.74	.188	1.24
1/4	1/4	U072 L 4B	.93	.69	.92	.188	1.46
3/8	1/8	U072 L 6A	1.03	.75	.75	.234	1.87
3/8	1/4	U072 L 6B	1.09	.77	1.03	.312	1.87
3/8	3/8	U072 L 6C	1.09	.81	1.00	.312	2.35
1/2	3/8	U072 L 8C	1.34	.93	1.10	.406	3.94

U071 L compression tee — fractional inch tube to male NPT





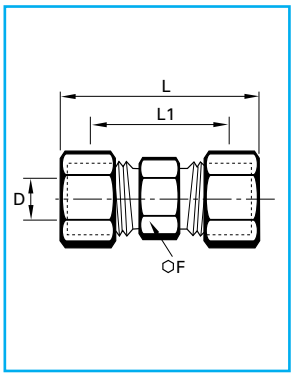
ØD in	NPT thread		L in	L1 in	H in	flow dia.D	oz
1/8	1/8	U071 L 2A	.82	.61	.71	.094	.90
3/16	1/8	U071 L 3A	.86	.61	.71	.125	1.05
1/4	1/8	U071 L 4A	.90	.64	.75	.188	1.27
1/4	1/4	U071 L 4B	.93	.69	.92	.188	1.45
3/8	1/4	U071 L 6B	1.09	.81	1.03	.312	2.06

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U062 L compression union — fractional inch tube to tube

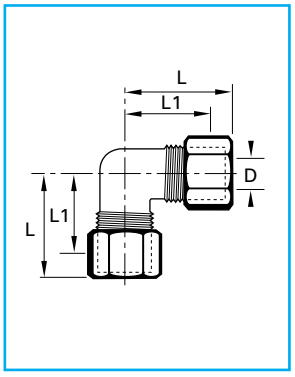




ØD in		F in	L in	L1 in	flow dia.D	oz
1/8	U062 L 2	5/16	1.05	.64	.094	.44
3/16	U062 L 3	3/8	1.21	.72	.125	.65
1/4	U062 L 4	7/16	1.33	.79	.188	.84
5/16	U062 L 5	1/2	1.39	.85	.250	1.01
3/8	U062 L 6	9/16	1.52	.97	.312	2.61
1/2	U062 L 8	11/16	1.90	1.08	.406	2.55

U065 L compression elbow — fractional inch tube to tube

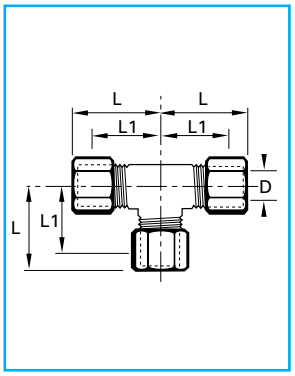




ØD in		L in	L1 in	flow dia.D	oz
1/8	U065 L 2	.82	.61	.094	.66
3/16	U065 L 3	.87	.61	.125	.92
1/4	U065 L 4	.88	.61	.188	1.04
5/16	U065 L 5	.95	.71	.250	1.32
3/8	U065 L 6	1.03	.74	.312	1.40
1/2	U065 L 8	1.34	.93	.406	2.97

U064 L compression tee — fractional inch tube to tube to tube

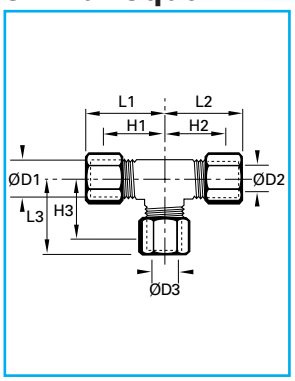




ØD in		L in	L1 in	flow dia.D	oz
1/8	U064 L 2	.82	.61	.094	1.09
3/16	U064 L 3	.84	.60	.125	1.20
1/4	U064 L 4	.86	.61	.188	1.51
5/16	U064 L 5	.98	.71	.250	2.10
3/8	U064 L 6	1.03	.74	.312	2.54
1/2	U064 L 8	1.34	.93	.406	4.49

U064 L compression tee — unequal — fractional inch tube to tube to tube





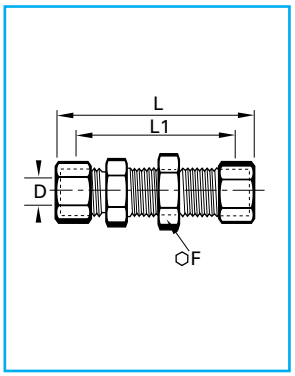
ØD1 in	ØD2 in	ØD3 in		L1 in	L2 in	L3 in	H1 in	H2 in	H3 in	flow dia.D	oz
3/8	3/8	1/4	U064 L 6CB	1.03	.96	.96	.75	.75	.72	.188	2.54
1/2	1/2	3/8	U064 L 8DC	1.34	1.16	1.16	.94	.94	.88	.312	4.49

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brass compression fittings

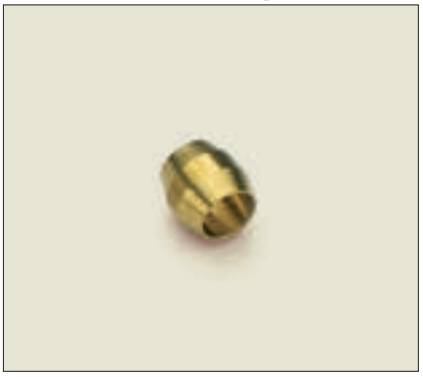
U077 L compression bulkhead union — fractional inch tube to tube

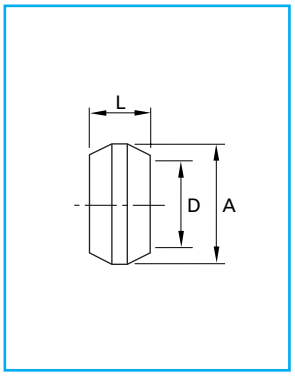




ØD in		F in	L in	L1 in	flow dia.D	oz
1/4	U077 L 4	9/16	2.29	1.75	.188	2.00
3/8	U077 L 6	11/16	2.42	1.88	.312	2.40

U060 L compression sleeve — fractional inch

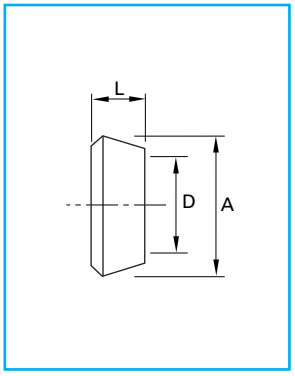




ØD in		A in	D in	L in	oz
1/8	U060 L 2	.187	.130	.19	.01
3/16	U060 L 3	.266	.192	.22	.02
1/4	U060 L 4	.344	.255	.25	.01
5/16	U060 L 5	.406	.318	.25	.04
3/8	U060 L 6	.469	.382	.25	.04
1/2	U060 L 8	.594	.507	.38	.04

U060 L delrin compression sleeve — fractional inch





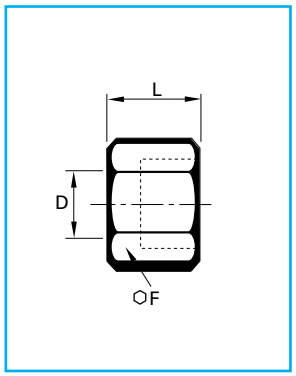
plastic tube well	tube wall		A in	D in	L in	oz
1/4	.040	U060 L 4A	.375	.254	.19	.01
5/16	.062	U060 L 5A	.438	.317	.19	.01
3/8	.062	U060 L 6A	.500	.379	.19	.01
1/2	.062	U060 L 8A	.631	.507	.25	.01

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brass compression fittings

U061 L compression nut — fractional inch

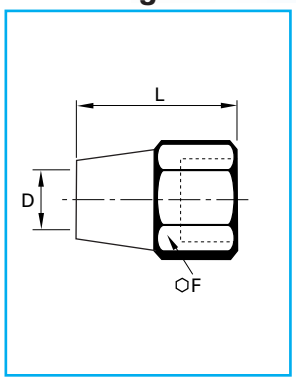




ØD in		F in	D in	L in	oz
1/8	U061 L 2	3/8	.130	.38	.16
3/16	U061 L 3	7/16	.192	.41	.21
1/4	U061 L 4	1/2	.255	.44	.26
5/16	U061 L 5	9/16	.318	.44	.27
3/8	U061 L 6	5/8	.382	.47	.34
1/2	U061 L 8	13/16	.507	.62	.36

U061 L compression nut — long — fractional inch

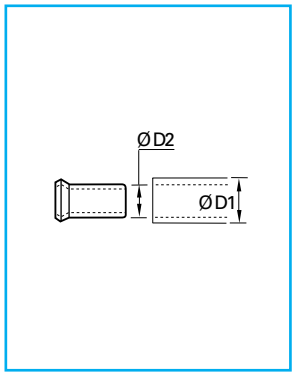




ØD in		F in	D in	L in	oz
1/4	U061 L 4A	1/2	.255	.75	.41
5/16	U061 L 5A	6/16	.318	.84	.48
3/8	U061 L 6A	5/8	.382	.97	.69
1/2	U061 L 8A	13/16	.507	1.06	1.20

U063 L tube support — fractional inch





ØD1 in	ØD2 in	tube wall		L in	oz
.163	1/4	.040	U063 L 4	.50	.02
.187	5/16	.040	U063 L 5	.53	.04
.250	3/8	.062	U063 L 6	.56	.04
.370	1/2	.062	U063 L 8	.72	.08

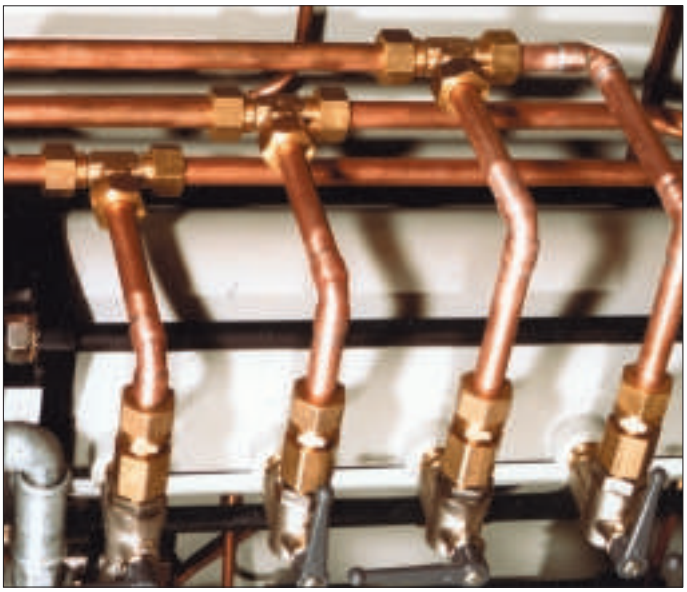
At high temperature and pressure or during oscillating movements, the use of tube supports prevents distortion of the tube and guarantees effective gripping and sealing.

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The metric brass compression products are on the following pages.

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principle of brass compression fittings





The range is called universal because it offers the maximum number of direct fitting alternatives with the minimum number of components. Tube threading and soldering are unnecessary. Universal brass compression fittings are designed to solve all fluid distribution problems and provide a complete system of fittings suited to all types of tubing, cylinders and valves thanks to the flexibility offered by the vast range of accessories: sleeves, nuts, reducers, tube adapters.

All components conform to at least one of the following standards: **ISO, CETOP, AFNOR, CNOMO.**

fitting instructions

The Legris brass compression fitting comprises a body, sleeve and nut.

Cut the tube square, deburr inner and outer edges;
If required, any bending of the tube must be completed prior to connection.

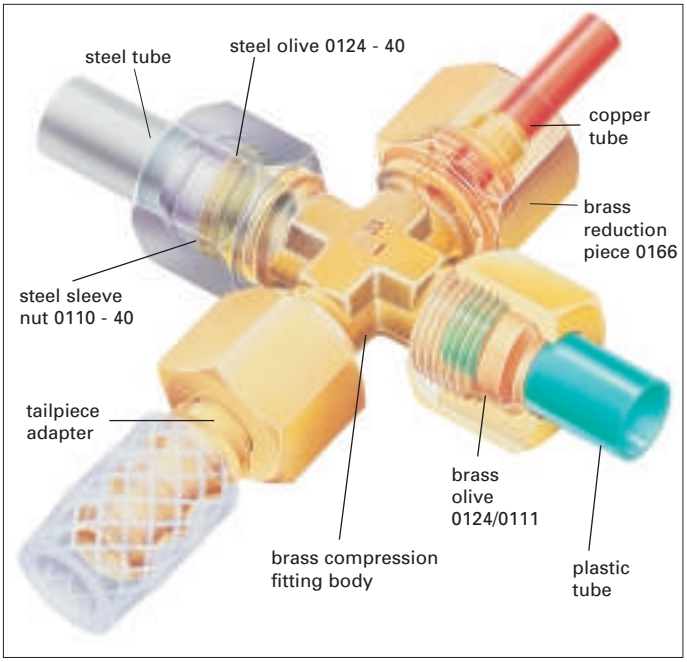
Push the nut onto the tube. For large diameters, lubricate the inside of the nut to facilitate tightening.

Fit the sleeve onto the end of the tube, after the nut.
Firmly push the tube fully home against the shoulder of the body of the fitting.

Tightening of the nut enables the sleeve to bite into the tube and secures the fully assembled fitting.

technical specification

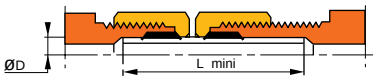
Details of fittings specifications for use with copper, brass, steel or nylon tubing can be found on page G12 and G13 of this section. Please consult us regarding applications which include thermal shocks or excessive vibration.



The table below shows the standard recommended compatibility of tube size, BSP male thread and maximum passage diameter.

Ø tube O.D. mm	corresponding BSP thread	maximum passage
4-5-6	G1/8	.16" (4mm)
6-8-10	G1/4	.28" (7mm)
10-12-14	G3/8	.43" (11mm)
14-15-1-6-18	G1/2	.55" (14mm)
18-20-22	G3/4	.71" (18mm)
22-25-28	G1"	.94" (24mm)

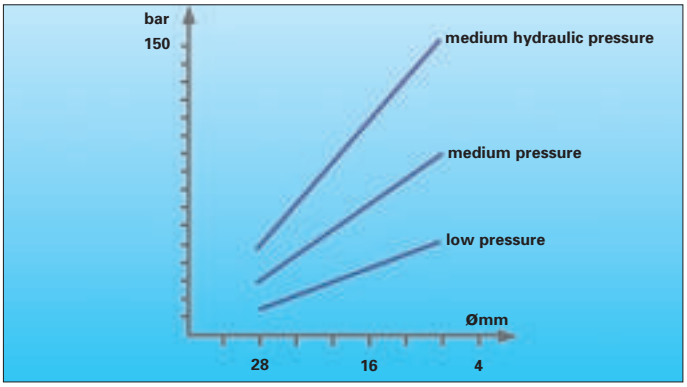
Minimum tube length (L) required between two fittings.



ØD mm	(L in)	ØD mm	(L in)	ØD mm	(L in)
4	1.04	**12**	1.55	**20**	2.01
5	1.02	**14**	1.61	**22**	2.13
6	1.02	**15**	1.61	**25**	2.44
8	1.26	**16**	1.83	**28**	2.44
10	1.55	**18**	1.95		

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principle of brass compression fittings





suitable for different pressure ranges

- low, medium compressed air pressure
- medium hydraulic pressure
- for compressed air, fuel oil, hydrocarbon, water…etc.

extensive connection in all industrial fields

- many connection possibilities
- direct assembly, without soldering or tubing preparation

a large range for many applications

- 18 different body configurations from 4mm to 28mm
- many accessories
- for use with:
  - BSP parallel threads with nitrile or bi-material seal
  - metric parallel threads
  - BSP taper threads
  - NPT threads

special products

Where a standard product is unsuitable, Legris is willing to develop special products for specific applications.





use to connect different types of tubing

- copper to brass
- plastic (nylon, polyurethane, fluoropolymer, PVC…)
- steel
- rubber

use to connect different diameter tubing

- with the Legris Reduction Assembly, different types and diameters of tubing can be easily connected.

barbed fittings

perfectly adapted to the requirements of industry:

- no tools are required and no nuts or collars to tighten
- connection to push-on hose

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technical specifications

To enable the user to obtain the best results from Legris brass compression fittings due regard to the application and tube used is necessary. As a guide the table below details the service pressures of the fitting assembly together with the service and burst pressures of various tubes. The pressures are expressed in **psi** and are provided in good faith – however they should be taken only as a guide and are not guaranteed.

type of tube	**copper tube** 'cold drawn' from straight bars	**steel tube** 'thin wall' unwelded cold drawn from annealed straight bars
type of assembly	with brass nut and olive	with treated steel olive and nut **(suffix 40)**

metric tube designation	tube dimensions		maximum pressure of fitting assembly	maximum service pressure of tube	burst pressure of tubes	continuous maximum service pressure	service pressure with intermittent surge	maximum intermittent surge pressure	maximum service pressure of tube	burst pressure of tube
	O.D.	wall thickness								
2 x 4	**4**	**1**	3,330	6,380	31,900	8,000	6,670	14,000	8,410	26,830
3 x 5	**5**	**1**	2,755	4,060	20,300	6,800	5,365	12,475	7,100	20,300
4 x 6	**6**	**1**	2,175	3,190	16,000	5,800	4,200	11,170	6,090	17,840
6 x 8	**8**	**1**	1,450	2,100	10,600	4,500	3,260	8,560	4,640	13,345
8 x 10	**10**	**1**	1,090	1,600	8,000	3,480	2,680	6,960	3,625	10,730
10 x 12	**12**	**1**	800	1,230	6,380	2,900	2,100	5,800	3,045	8,935
12 x 14	**14**	**1**	650	1,060	5,220	2,320	1,810	4,900	2,610	7,690
13 x 15	**15**	**1**	610	960	4,785	2,175	1,660	4,500	2,390	7,100
14 x 16	**16**	**1**	580	900	4,500	2,030	1,600	4,060	2,250	6,670
16 x 18	**18**	**1**	535	800	3,900	1,740	1,230	3,335	1,885	5,800
15.6 x 18	**18**	**1.2**	800	970	6,500					
18 x 20	**20**	**1**	510	650	3,480	1,450	1,015	2,755	1,600	4,930
17.6 x 20	**20**	**1.2**	725	870	4,350					
20 x 22	**22**	**1**	435	465	3,045	1,305	870	2,320	1,305	4,200
18.8 x 22	**22**	**1.6**	870	1,070	5,365					
23 x 25	**25**	**1**	290	435	2,610	1,015	580	1,665	1,015	3,480
21.8 x 25	**25**	**1.6**	800	930	4,640					
26 x 28	**28**	**1**	360	480	2,390					
24.8 x 28	**28**	**1.6**	580	810	4,060					
24 x 28	**28**	**2**	725	1,060	5,295					

brass tube: supplied in straight lengths: figures as above
copper tube: supplied in coils: **reduce the above service pressures by 35%.**
Do not use in areas of vibration.

IMPORTANT: for use only on thin wall tubing from O.D. 6mm to O.D. 16mm - maximum wall thickness 1mm.
Above 16mm maximum wall thickness 1.5mm.

The above recommendations are given in good faith. However, since each application is different it is advisable to undertake tests in actual working conditions.

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technical specifications

The table below is valid at 70°F. For other temperatures apply the relevant coefficient.

temperature °F	- 40°F/ 5°F	5°F/ 90°F	90°F/ 122°F	122°F/ 160°F	160°F/ 210°F
coefficient	1.8 not advised	**1**	0.68	0.55	0.31 not advised

type of tube: **nylon tube (semi-rigid)**

for rigid type, multiply figures by 1.8

assembly	with brass nut and olive	with semi-plastic fitting (type suffix 70)

metric tube designation	tube dimensions		maximum service pressure of fitting assembly	maximum service pressure of nylon tube	burst pressure of tube	maximum service pressure of fitting assembly	maximum service pressure of nylon tube	burst pressure of tube
	O.D.	wall thickness						
3 x 4	**4**	**0.5**	290	290	940	145	290	940
*** 2.7 x 4**	**4**	**0.65**	360	360	1,090	145	360	1,090
*** 2 x 4**	**4**	**1**	580	725	1,960	145	725	1,960
*** 3.3 x 5**	**5**	**0.85**	435	435	1,015			
*** 4 x 6**	**6**	**1**	465	465	1,230	145	465	1,230
*** 6 x 8**	**8**	**1**	320	320	840	145	320	840
*** 8 x 10**	**10**	**1**	230	230	610	145	230	610
*** 7.5 x 10**	**10**	**1.25**	330	330	825	145	330	825
*** 10 x 12**	**12**	**1**	175	175	465	145	175	465
*** 9 x 12**	**12**	**1.5**	320	320	910	145	320	915
*** 12 x 14**	**14**	**1**	145	145	390	145	145	390
*** 11 x 14**	**14**	**1.5**	230	230	755	145	230	755
10.4 x 14	**14**	**1.8**	320	320	960	145	320	960
12 x 15	**15**	**1.5**	200	200	700			
11 x 15	**15**	**2**	330	330	1,015			
*** 13 x 16**	**16**	**1.5**	175	175	640	145	175	640
12 x 16	**16**	**2**	300	300	960	145	300	960
14 x 18	**18**	**2**	245	245	840			
15 x 20	**20**	**2.5**	290	290	1,000			
16 x 22	**22**	**3**	300	300	1,090			
19 x 25	**25**	**3**	260	260	985			
23 x 28	**28**	**2.5**	230	230	725			
22 x 28	**28**	**3**	290	290	870			

*sizes marked are available from stock

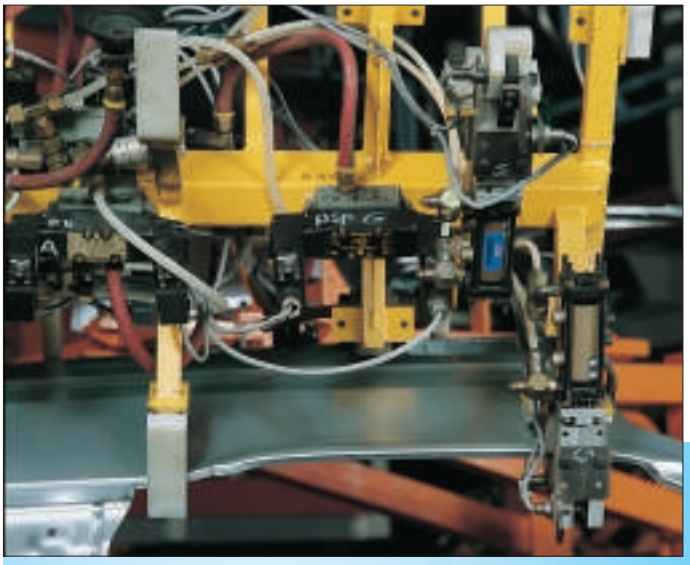
Our brass compression fittings are not compatible with ammonia and its derivatives (ammonia fumes for example).

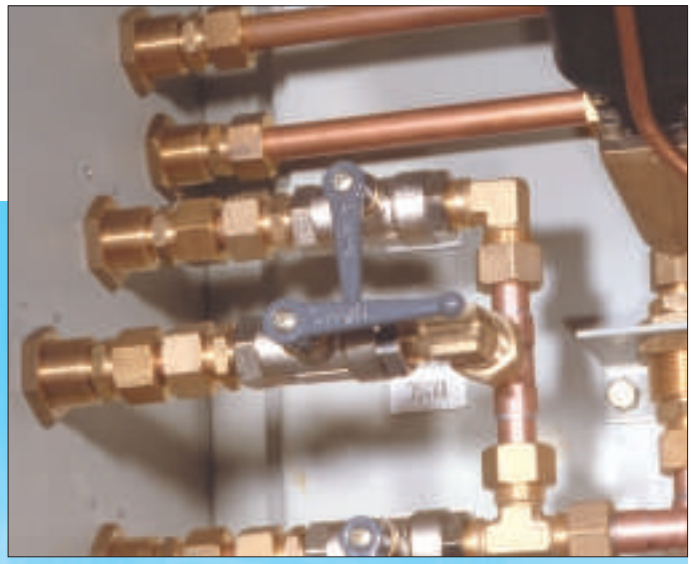
The above recommendations are given in good faith. However, since each application is different it is advisable to undertake tests in actual working conditions.

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Legris brass compression fittings





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the complete range of brass compression fittings

threaded couplings

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0105 NPT Page G16



0101 metric Page G17



0101 parallel Page G17



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0114 parallel Page G18



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0109 NPT Page G19



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0103 BSPT Page G20



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tube to tube couplings

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complementary fittings

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accessories

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0120 BSPT Page G31



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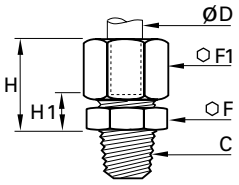
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threaded connectors

0105 male connector — BSPT



brass



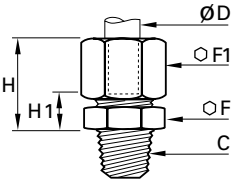
ØD mm	C BSPT		F mm	F1 mm	H max mm	H1 mm	kg
4	R1/8	0105 04 10	10	10	17	7	.013
5	R1/8	0105 05 10	11	12	17.5	7.5	.017
5	R1/4	0105 05 13	14	12	17.5	7.5	.022
6	R1/8	0105 06 10	11	13	18	7.5	.017
6	R1/4	0105 06 13	14	13	18	7.5	.024
6	R3/8	0105 06 17	17	13	19	8.5	.031
8	R1/8	0105 08 10	13	14	19.5	7	.021
8	R1/4	0105 08 13	14	14	19.5	7	.026
8	R3/8	0105 08 17	17	14	20.5	8	.032
10	R1/8	0105 10 10	17	19	24	9	.043
10	R1/4	0105 10 13	17	19	24	9	.047
10	R3/8	0105 10 17	17	19	24	9	.048
10	R1/2	0105 10 21	22	19	25	10	.067
12	R1/4	0105 12 13	19	22	24	9	.059
12	R3/8	0105 12 17	19	22	24	9	.061
12	R1/2	0105 12 21	22	22	25	10	.076
14	R1/4	0105 14 13	22	24	25	8	.067
14	R3/8	0105 14 17	22	24	25	8	.069
14	R1/2	0105 14 21	22	24	26	9	.079
14	R3/4	0105 14 27	27	24	27	10	.105
15	R3/8	0105 15 17	22	24	25	8	.064
15	R1/2	0105 15 21	22	24	26	9	.075
16	R1/4	0105 16 13	24	27	27	9.5	.091
16	R3/8	0105 16 17	24	27	27	9.5	.092
16	R1/2	0105 16 21	24	27	27	9.5	.100
16	R3/4	0105 16 27	27	27	28	10.5	.120
18	R1/2	0105 18 21	27	30	30	10.5	.130
18	R3/4	0105 18 27	27	30	30	10.5	.140
20	R1/2	0105 20 21	30	32	32	11	.148
20	R3/4	0105 20 27	30	32	32	11	.156
22	R1/2	0105 22 21	32	36	33	11	.180
22	R3/4	0105 22 27	32	36	33	11	.193
22	R1"	0105 22 34	36	36	33	11	.226
25	R3/4	0105 25 27	36	41	36	11	.263
25	R1"	0105 25 34	36	41	36	11	.277
28	R3/4	0105 28 27	41	42	36	11	.272
28	R1"	0105 28 34	41	42	36	11	.287

Metric taper threads or Briggs NPT threads are available by special order, subject to minimum quantities.

0105 male connector — NPT



brass



ØD mm	C NPT		F mm	F1 mm	H max mm	H1 mm	kg
6	1/8	0105 06 11	11	13	18	7.5	.018
6	1/4	0105 06 14	14	13	18	7.5	.028
8	1/8	0105 08 11	13	14	21	7	.021
8	1/4	0105 08 14	14	14	18.5	7	.026
10	1/4	0105 10 14	17	19	24	9	.047
10	3/8	0105 10 18	17	19	24	9	.048
10	1/2	0105 10 22	22	19	25	10	.067

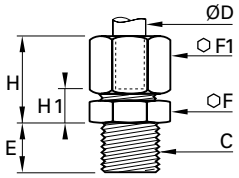
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threaded connectors

0101 male connector — parallel metric thread



brass

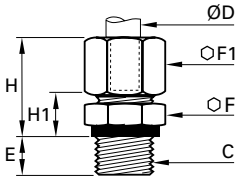


ØD mm	C metric		E mm	F mm	F1 mm	H max mm	H1 mm	kg
4	M7x1	0101 04 55	6.5	10	10	16.5	7.5	.013
4	M8x1	0101 04 56	6.5	11	10	16.5	7.5	.013
5	M8x1	0101 05 56	6.5	11	12	17.5	8	.016
5	M10x1	0101 05 60	6.5	14	12	17.5	8.5	.021
6	M10x1	0101 06 60	6.5	14	13	18	8.5	.022
6	M10x1.5	0101 06 62	6.5	14	13	18	8.5	.021
8	M12x1	0101 08 65	8	17	14	19.5	9	.031
8	M12x1.25	0101 08 66	8	17	14	19.5	9	.031
8	M13x1.25	0101 08 68	8	17	14	19.5	9	.032
10	M14x1.25	0101 10 70	8	17	19	24	11	.047
10	M14x1.5	0101 10 71	8	17	19	24	11	.047
10	M16x1.25	0101 10 74	9	19	19	24	11	.052
10	M16x1.5	0101 10 75	9	19	19	24	11	.054
10	M18x1.5	0101 10 78	9	22	19	24	11.5	.060
12	M16x1.25	0101 12 74	9	19	22	24	11	.062
12	M16x1.5	0101 12 75	9	19	22	24	11	.060
12	M18x1.5	0101 12 78	9	22	22	24	11.5	.070
14	M18x1.5	0101 14 78	9	22	24	25	10.5	.075
14	M20x1.5	0101 14 80	10	24	24	25	11	.085
15	M18x1.5	0101 15 78	9	22	24	25	10.5	.072
16	M20x1.5	0101 16 80	10	24	27	27	12.5	.104
16	M22x1.5	0101 16 82	10	27	27	27	12.5	.113
18	M22x1.5	0101 18 82	10	27	30	29.5	12.5	.131
18	M24x1.5	0101 18 83	11	30	30	29.5	13	.142

0101 male connector — BSPP or M5



brass with pre-assembled washer



ØD mm	C BSPP/M5		E mm	F mm	F1 mm	H max mm	H1 mm	kg
4	M5X.8	0101 04 19	5	10	10	16.5	8	.012
4	G1/8	0101 04 10	6.5	13	10	16.5	8	.017
5	G1/8	0101 05 10	6.5	13	12	17.5	8.5	.019
6	G1/8	0101 06 10	6.5	13	13	18	8.5	.022
6	G1/4	0101 06 13	8	17	13	18	9.5	.034
8	G1/8	0101 08 10	6.5	13	14	19	8.5	.023
8	G1/4	0101 08 13	8	17	14	19.5	9	.034
8	G3/8	0101 08 17	11	22	14	20	10.5	.046
10	G1/4	0101 10 13	8	17	19	24	11	.049
10	G3/8	0101 10 17	11	22	19	24	11.5	.061
12	G1/4	0101 12 13	8	19	22	24	11	.062
12	G3/8	0101 12 17	11	22	22	24	11.5	.072
12	G1/2	0101 12 21	12	27	22	24	12	.090
14	G3/8	0101 14 17	11	22	24	25	10.5	.074
14	G1/2	0101 14 21	12	27	24	25	11	.097
15	G3/8	0101 15 17	11	22	24	25	10.5	.071
15	G1/2	0101 15 21	12	27	24	25	11	.112
16	G3/8	0101 16 17	11	22	27	27	12	.090
16	G1/2	0101 16 21	12	27	27	27	12.5	.110
18	G1/2	0101 18 21	12	27	30	29.5	12.5	.136
18	G3/4	0101 18 27	13	32	30	29.5	13	.153
20	G3/4	0101 20 27	13	32	32	31	13	.163
22	G3/4	0101 22 27	13	32	36	32	13	.195
22	G1"	0101 22 34	15	41	36	31	13.5	.260
25	G3/4	0101 25 27	13	36	41	35.5	13	.262
25	G1"	0101 25 34	15	41	41	35.5	13	.306
28	G1"	0101 28 34	15	41	42	35.5	13.5	.398

The captive sealing washers 0602 are shown on page H23.

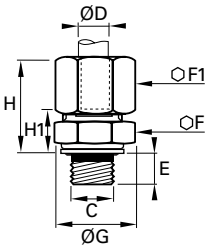
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threaded connectors

0101...39 male connector — BSPP



brass with bi-material seal

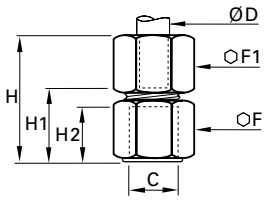


ØD mm	C BSPP		E mm	F mm	F1 mm	G mm	H mm	H1 mm	kg
4	G1/8	0101 04 10 39	5.5	13	10	14	17.5	9	.017
5	G1/8	0101 05 10 39	5.5	13	12	14	18.5	9.5	.019
6	G1/8	0101 06 10 39	5.5	13	13	14	19	9.5	.022
6	G1/4	0101 06 13 39	7	17	13	17	19	10.5	.034
8	G1/8	0101 08 10 39	5.5	13	14	14	20	9.5	.023
8	G1/4	0101 08 13 39	7	17	14	17	20.5	10	.034
8	G3/8	0101 08 17 39	9.5	22	14	22	21.5	12	.046
10	G1/4	0101 10 13 39	7	17	19	17	25	12	.049
10	G3/8	0101 10 17 39	9.5	22	19	22	25.5	13	.061
12	G1/4	0101 12 13 39	7	19	22	17	25	12	.062
12	G3/8	0101 12 17 39	9.5	22	22	22	25	13	.072
12	G1/2	0101 12 21 39	10.5	27	22	26	25	13.5	.090
14	G3/8	0101 14 17 39	9.5	22	24	22	26.5	12	.074
14	G1/2	0101 14 21 39	10.5	27	24	26	26.5	12.5	.097
15	G3/8	0101 15 17 39	9.5	22	24	22	26.5	12	.071
15	G1/2	0101 15 21 39	10.5	27	24	26	26.5	12.5	.112
16	G3/8	0101 16 17 39	9.5	22	27	22	28.5	13.5	.090
16	G1/2	0101 16 21 39	10.5	27	27	26	28.5	14	.110
18	G1/2	0101 18 21 39	10.5	27	30	26	31	14	.136
18	G3/4	0101 18 27 39	11.5	32	30	32	31	14.5	.153
20	G3/4	0101 20 27 39	11.5	32	32	32	32.5	14.5	.163
22	G3/4	0101 22 27 39	11.5	32	36	32	33.5	14.5	.195
22	G1"	0101 22 34 39	13	41	36	39.5	33	15.5	.260
25	G3/4	0101 25 27 39	11.5	36	41	32	37	14.5	.262
25	G1"	0101 25 34 39	13	41	41	39.5	37.5	15.5	.306
28	G1"	0101 28 34 39	13	41	42	39.5	37.5	15.5	.398

0114 female connector — BSPP



brass



ØD mm	C BSPP		F mm	F1 mm	H max mm	H1 mm	H2 mm	kg
4	G1/8	0114 04 10	14	10	26	16.5	9.5	.021
4	G1/4	0114 04 13	17	10	30	20.5	13.5	.029
5	G1/8	0114 05 10	14	12	28	17	9.5	.024
5	G1/4	0114 05 13	17	12	31	21	13.5	.033
6	G1/8	0114 06 10	14	13	28	17	9.5	.025
6	G1/4	0114 06 13	17	13	32	21	13.5	.034
6	G3/8	0114 06 17	22	13	32	21.5	14	.051
8	G1/8	0114 08 10	14	14	29	16.5	9.5	.027
8	G1/4	0114 08 13	17	14	33	20.5	13.5	.035
8	G3/8	0114 08 17	22	14	34	21	14	.052
10	G1/4	0114 10 13	17	19	37	21.5	13.5	.051
10	G3/8	0114 10 17	22	19	37	22	14	.069
10	G1/2	0114 10 21	27	19	42	26.5	18.5	.100
12	G1/4	0114 12 13	19	22	36	20.5	13.5	.069
12	G3/8	0114 12 17	22	22	37	22	14	.077
12	G1/2	0114 12 21	27	22	42	26.5	18.5	.109
14	G1/4	0114 14 13	22	24	36	18.5	13.5	.084
14	G3/8	0114 14 17	22	24	38	21	14	.081
14	G1/2	0114 14 21	27	24	43	25.5	18.5	.112
15	G3/8	0114 15 17	22	24	38	21	14	.077
15	G1/2	0114 15 21	27	24	43	25.5	18.5	.109
16	G1/4	0114 16 13	24	27	36	18	13.5	.110
16	G3/8	0114 16 17	24	27	38	20.5	14	.106
16	G1/2	0114 16 21	27	27	44	26	18.5	.129
18	G3/8	0114 18 17	27	30	39	19.5	14	.141
18	G1/2	0114 18 21	27	30	45	26	18.5	.146
18	G3/4	0114 18 27	32	30	46	27	19.5	.168
20	G3/8	0114 20 17	30	32	38	18	14	.162
20	G1/2	0114 20 21	30	32	44.5	24	18.5	.174
20	G3/4	0114 20 27	32	32	47	26.5	19.5	.171
22	G3/4	0114 22 27	32	36	48	26.5	19.5	.201
25	G3/4	0114 25 27	36	41	50.5	26	19.5	.298

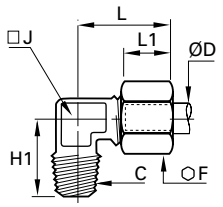
Order from: Maryland Metrics email: techinfo@mdmetric.com ph. (800)638-1830 fx. (800)872-9329

threaded connectors

0109 male elbow — BSPT



brass



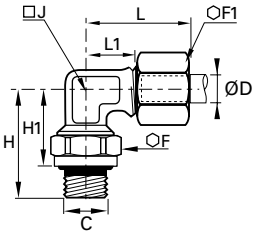
ØD mm	C BSPT		F mm	H1 mm	J mm	L max mm	L1 mm	kg
4	R1/8	0109 04 10	10	17	8	19	9.5	.017
4	R1/4	0109 04 13	10	20	10	19	11	.024
5	R1/8	0109 05 10	12	17.5	8	21	11	.019
5	R1/4	0109 05 13	12	21.5	10	22	12	.029
6	R1/8	0109 06 10	13	18	8	22	11	.021
6	R1/4	0109 06 13	13	21.5	10	22	12	.030
8	R1/8	0109 08 10	14	18.5	10	28	15	.028
8	R1/4	0109 08 13	14	22	10	28	15	.033
8	R3/8	0109 08 17	14	24	12	28	15	.044
10	R1/4	0109 10 13	19	25	12	30	14.5	.052
10	R3/8	0109 10 17	19	25.5	12	30	14.5	.061
10	R1/2	0109 10 21	19	32	19	36	21	.105
12	R1/4	0109 12 13	22	26	15	30	15	.074
12	R3/8	0109 12 17	22	27	15	30	15	.077
12	R1/2	0109 12 21	22	32	19	36	21	.117
14	R3/8	0109 14 17	24	30	19	35	18	.103
14	R1/2	0109 14 21	24	32	19	35	18	.107
15	R3/8	0109 15 17	24	30	19	35	18	.104
15	R1/2	0109 15 21	24	32	19	35	18	.104
16	R3/8	0109 16 17	27	30	19	39	21	.118
16	R1/2	0109 16 21	27	33.5	19	39	21	.134
16	R3/4	0109 16 27	27	36.5	23	41	23	.186
18	R1/2	0109 18 21	30	35.5	23	41	21.5	.175
18	R3/4	0109 18 27	30	36.5	23	41	21.5	.201
20	R1/2	0109 20 21	32	36.5	23	42	21.5	.174
20	R3/4	0109 20 27	32	38	23	42	21.5	.274
22	R3/4	0109 22 27	36	40	27	50	30	.294
22	R1"	0109 22 34	36	44	27	50	30	.322
25	R3/4	0109 25 27	41	43	27	54	30	.330
25	R1"	0109 25 34	41	44	27	54	30	.360
28	R3/4	0109 28 27	42	46	32	54	30	.364
28	R1"	0109 28 34	42	48	32	54	30	.380

Metric taper threads or Briggs NPT threads are available to special order, subject to minimum quantities.

0199 male orientable elbow — BSPP



brass with pre-assembled washer



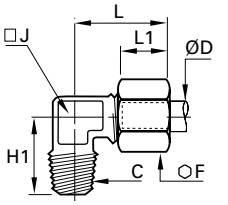
the body will orientate for positioning purposes

ØD mm	C BSPP		F mm	G mm	F1 mm	H mm	H1 min mm	H1 max mm	J mm	L mm	L1 mm	kg
4	G1/8	0199 04 10	14	15	10	23	16	17	8	19	9.5	.017
4	G1/4	0199 04 13	19	21	10	30.5	22	23.5	10	19	11	.024
6	G1/8	0199 06 10	14	15	13	23	16	17	8	22	11	.021
6	G1/4	0199 06 13	19	21	13	30.5	22	23.5	10	22	12	.030
8	G1/8	0199 08 10	14	15	14	24	17	18	10	28	15	.028
8	G1/4	0199 08 13	19	21	14	30.5	22	23.5	10	28	15	.033
8	G3/8	0199 08 17	22	24	14	33.5	24	25.5	12	28	15	.044
10	G1/4	0199 10 13	19	21	19	31	22.5	24	12	30	14.5	.052
10	G3/8	0199 10 17	22	24	19	33.5	24	25.5	12	30	14.5	.061
10	G1/2	0199 10 21	27	29.5	19	40	39.5	31	19	37	22	.105
14	G3/8	0199 14 17	22	24	24	35.5	26	27.5	19	35	18	.103
14	G1/2	0199 14 21	27	29.5	24	40	29.5	31	19	35	18	.107
18	G1/2	0199 18 21	27	29.5	30	40	29	30.5	23	41	21.5	.175
18	G3/4	0199 18 27	32	35	30	43.5	32	33.5	23	41	21.5	.201
22	G3/4	0199 22 27	32	35	36	45.5	34	36	32	51	31	.294
22	G1"	0199 22 34	41	45	36	54	40.5	43	32	51	31	.322
28	G1"	0199 28 34	41	45	42	54	40.5	43	32	54	30	.380

0109 male elbow — NPT



brass



ØD mm	C NPT		F mm	H1 mm	J mm	L max mm	L1 mm	kg
6	1/8	0109 06 11	13	18	8	22	11	.021
6	1/4	0109 06 14	13	21.5	10	22	12	.030
8	1/8	0109 08 11	14	18.5	10	28	15	.028
8	1/4	0109 08 14	14	22	10	28	15	.033
10	1/4	0109 10 14	19	25	12	30	14.5	.052

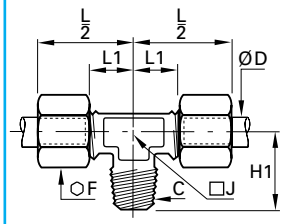
Order from: Maryland Metrics email: techinfo@mdmetric.com ph. (800)638-1830 fx. (800)872-9329

threaded connectors

0108 male branch tee — BSPT



brass



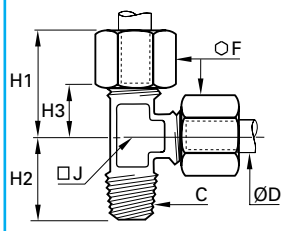
ØD mm	C BSPT		F mm	H1 mm	J mm	L/2 mm	L1 mm	kg
4	R1/8	0108 04 10	10	17	8	19	9.5	.026
5	R1/8	0108 05 10	12	17.5	8	21	11	.031
6	R1/8	0108 06 10	13	18	8	22	11	.033
6	R1/4	0108 06 13	13	21.5	10	27	16	.050
8	R1/8	0108 08 10	14	18.5	10	28	15	.046
8	R1/4	0108 08 13	14	22	10	28	15	.049
8	R3/8	0108 08 17	14	24	12	28	15	.063
10	R1/4	0108 10 13	19	25	12	30	14.5	.085
10	R3/8	0108 10 17	19	25.5	12	30	14.5	.093
12	R1/4	0108 12 13	22	26	15	30	15	.115
12	R3/8	0108 12 17	22	27	15	30	15	.118
14	R3/8	0108 14 17	24	30	19	35	18	.156
14	R1/2	0108 14 21	24	32	19	35	18	.193
15	R3/8	0108 15 17	24	30	19	35	18	.145
15	R1/2	0108 15 21	24	32	19	35	18	.156
16	R3/8	0108 16 17	27	30	19	39	21	.190
16	R1/2	0108 16 21	27	33.5	19	39	21	.200
18	R1/2	0108 18 21	30	35.5	23	41	21.5	.264
18	R3/4	0108 18 27	30	36.5	23	41	21.5	.270
20	R3/4	0108 20 27	32	38	23	42	21.5	.280
22	R3/4	0108 22 27	36	40	27	50	29	.440
22	R1"	0108 22 34	36	44	27	50	29	.477

Metric taper threads or Briggs NPT threads are available to special order, subject to minimum quantities.

0103 male run tee — BSPT



brass



ØD mm	C BSPT		F mm	H1 max mm	H2 mm	H3 mm	J mm	kg
4	R1/8	0103 04 10	10	19	17	9.5	8	.026
5	R1/8	0103 05 10	12	21	17.5	11	8	.031
6	R1/8	0103 06 10	13	22	18	11	8	.031
6	R1/4	0103 06 13	13	27	21.5	16	10	.049
8	R1/8	0103 08 10	14	28	18.5	15	10	.044
8	R1/4	0103 08 13	14	28	22	15	10	.050
8	R3/8	0103 08 17	14	28	24	15	12	.062
10	R1/4	0103 10 13	19	30	25	14.5	12	.085
10	R3/8	0103 10 17	19	30	25.5	14.5	12	.092
12	R1/4	0103 12 13	22	30	26	15	15	.113
12	R3/8	0103 12 17	22	30	27	15	15	.120
14	R3/8	0103 14 17	24	35	30	18	19	.156
14	R1/2	0103 14 21	24	35	32	18	19	.166
15	R3/8	0103 15 17	24	35	30	18	19	.141
15	R1/2	0103 15 21	24	35	32	18	19	.151
16	R3/8	0103 16 17	27	39	30	21	19	.189
16	R1/2	0103 16 21	27	39	33.5	21	19	.199
18	R1/2	0103 18 21	30	41	35.5	21.5	23	.263
18	R3/4	0103 18 27	30	41	36.5	21.5	23	.281
20	R3/4	0103 20 27	32	42	38	21.5	23	.295
22	R3/4	0103 22 27	36	50	40	29	27	.428

Metric taper threads or Briggs NPT threads are available to special order, subject to minimum quantities.

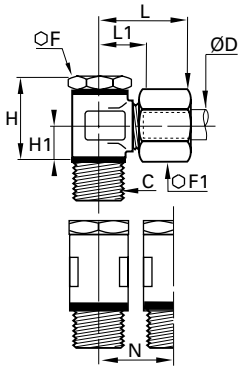
Order from: Maryland Metrics email: techinfo@mdmetric.com ph. (800)638-1830 fx. (800)872-9329

threaded connectors

0118 single banjo — BSPP



brass with pre-assembled nylon washer



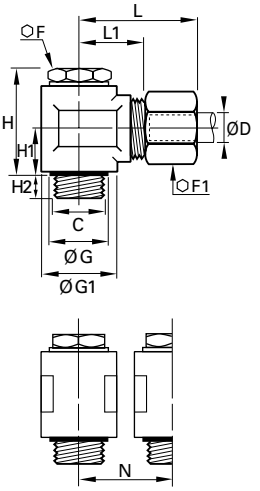
ØD mm	C BSPP		F mm	F1 mm	H mm	H1 mm	L max mm	L1 mm	N min mm	kg
4	G1/8	0118 04 10	14	10	24	9.5	24	14.5	17.5	.039
5	G1/8	0118 05 10	14	12	24	9.5	25	14.5	17.5	.042
5	G1/4	0118 05 13	17	12	25	10	26	16	21	.056
6	G1/8	0118 06 10	14	13	24	9.5	25	14.5	17.5	.043
6	G1/4	0118 06 13	17	13	25	10	26	16	21	.056
8	G1/8	0118 08 10	14	14	24	9.5	28	15.5	17.5	.054
8	G1/4	0118 08 13	17	14	25	10	28	15.5	21	.057
8	G3/8	0118 08 17	22	14	32	13	30	18	26.5	.112
10	G1/4	0118 10 13	17	19	31	13	34	19	23	.117
10	G3/8	0118 10 17	22	19	32	13	34	19	26.5	.126
12	G1/4	0118 12 13	17	22	34	14.5	34	19	23	.128
12	G3/8	0118 12 17	22	22	35	14.5	34	19	26.5	.134
14	G1/4	0118 14 13	17	24	37	16	37	20.5	28	.188
14	G3/8	0118 14 17	22	24	38	16	37	20.5	28	.194
14	G1/2	0118 14 21	27	24	40	16	38	20.5	32.5	.208
15	G3/8	0118 15 17	22	24	38	16	37	20.5	28	.188
15	G1/2	0118 15 21	27	24	40	16	38	20.5	32.5	.198
16	G1/2	0118 16 21	27	27	42	16	38	21	32.5	.226
18	G1/2	0118 18 21	27	30	46	19.5	43	24.5	36	.375
20	G3/4	0118 20 27	32	32	49	20	44	24.5	39	.383
22	G3/4	0118 22 27	32	36	53	22	45	24.5	39	.455

Subject to minimum quantities these products can be made with a metric thread.

0118...39 single banjo — BSPP



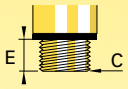
brass with bi-material seal



ØD mm	C BSPP		F mm	F1 mm	G mm	G1 mm	H mm	H1 mm	H2 mm	L mm	L1 mm	N mm	kg
4	G1/8	0118 04 10 39	14	10	14	14	23	9.5	6.5	24	14.5	17.5	.042
5	G1/8	0118 05 10 39	14	12	14	14	23	9.5	6.5	25	14.5	17.5	.044
5	G1/4	0118 05 13 39	17	12	17	17	24	10	8	26	16	21	.060
6	G1/8	0118 06 10 39	14	13	14	14	23	9.5	6.5	25	14.5	17.5	.045
6	G1/4	0118 06 13 39	17	13	17	17	24	10	8	26	16	21	.060
8	G1/8	0118 08 10 39	14	14	14	17	23	9.5	6.5	28	15.5	17.5	.057
8	G1/4	0118 08 13 39	17	14	17	17	24	10	8	28	15.5	21	.062
8	G3/8	0118 08 17 39	22	14	22	22	31.5	13.5	7.5	30	18	26.5	.115
10	G1/4	0118 10 13 39	17	19	17	22	30	13	7.5	34	19	23	.120
10	G3/8	0118 10 17 39	22	19	22	22	31.5	13.5	7.5	34	19	26.5	.129
12	G1/4	0118 12 13 39	17	22	17	22	33	14.5	8	34	19	23	.130
12	G3/8	0118 12 17 39	22	22	22	22	34.5	15	10.5	34	19	26.5	.136
14	G1/4	0118 14 13 39	17	24	17	27	36	16	8	37	20.5	28	.191
14	G3/8	0118 14 17 39	22	24	22	27	37.5	16.5	8.5	37	20.5	28	.198
14	G1/2	0118 14 21 39	27	24	26	27	39	16.5	10	38	20.5	32.5	.212
15	G3/8	0118 15 17 39	22	24	22	27	37.5	16.5	8.5	37	20.5	28	.191
15	G1/2	0118 15 21 39	27	24	26	27	40	16.5	10	38	20.5	32.5	.201
16	G1/2	0118 16 21 39	27	27	26	27	40	16.5	10	38	21	32.5	.230
18	G1/2	0118 18 21 39	27	30	26	34	47	20	9	43	24.5	36	.379
20	G3/4	0118 20 27 39	32	32	32	34	50	20.5	13	44	24.5	39	.386
22	G3/4	0118 22 27 39	32	36	32	34	54	22.5	12	45	24.5	39	.455

Refer to page H22 for details of sealing washer 0602 used on banjos 0118.

Length of parallel threads for part nos. 0118



C	G1/8	G1/4	G3/8	G1/2	G3/4
E	4.5mm	6mm	8mm	9mm	10mm

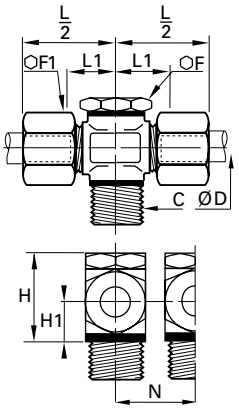
Order from: Maryland Metrics email: techinfo@mdmetric.com ph. (800)638-1830 fx. (800)872-9329

threaded connectors

0119 double banjo — BSPP



brass with pre-assembled nylon washer



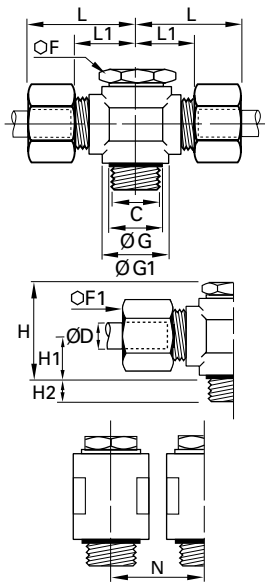
ØD mm	C BSPP		F mm	F1 mm	H mm	H1 mm	L/2 mm	L1 mm	N min mm	kg
4	G1/8	0119 04 10	14	10	24	9.5	24	14.5	17.5	.048
6	G1/8	0119 06 10	14	13	24	9.5	25	14.5	17.5	.055
6	G1/4	0119 06 13	17	13	25	10	26.5	16	21	.071
8	G1/8	0119 08 10	14	14	24	9.5	28	15.5	17.5	.071
8	G1/4	0119 08 13	17	14	25	10	28	15.5	21	.074
8	G3/8	0119 08 17	22	14	32	13	30.5	18	26.5	.139
10	G1/4	0119 10 13	17	19	31	13	34	19	23	.156
10	G3/8	0119 10 17	22	19	32	13	34	19	26.5	.171
12	G1/4	0119 12 13	17	22	34	14.5	34	19	23	.156
12	G3/8	0119 12 17	22	22	35	14.5	34	19	26.5	.181
14	G1/4	0119 14 13	17	24	37	16	37.5	20.5	28	.248
14	G3/8	0119 14 17	22	24	38	16	37.5	20.5	28	.243
14	G1/2	0119 14 21	27	24	40	16	38	20.5	32.5	.257
16	G1/2	0119 16 21	27	27	42	16	38.5	21	32.5	.295

Subject to minimum quantities these products can be made with a metric thread.

0119...39 double banjo — BSPP



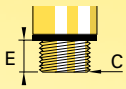
brass with bi-material seal



ØD mm	C BSPP		F mm	F1 mm	G mm	G1 mm	H mm	H1 mm	H2 mm	L mm	L1 mm	N mm	kg
4	G1/8	0119 04 10 39	14	10	14	14	23	9.5	6.5	24	14.5	17.5	.049
5	G1/8	0119 05 10 39	14	12	14	14	23	9.5	6.5	25	14.5	17.5	.049
5	G1/4	0119 05 13 39	17	12	17	17	24	10	8	26	16	21	.051
6	G1/8	0119 06 10 39	14	13	14	14	23	9.5	6.5	25	14.5	17.5	.055
6	G1/4	0119 06 13 39	17	13	17	17	24	10	8	26	16	21	.071
8	G1/8	0119 08 10 39	14	14	14	17	23	9.5	6.5	28	15.5	17.5	.071
8	G1/4	0119 08 13 39	17	14	17	17	24	10	8	28	15.5	21	.074
8	G3/8	0119 08 17 39	22	14	22	22	31.5	13.5	7.5	30	18	26.5	.139
10	G1/4	0119 10 13 39	17	19	17	22	30	13	7.5	34	19	23	.156
10	G3/8	0119 10 17 39	22	19	22	22	31.5	13.5	7.5	34	19	26.5	.171
12	G1/4	0119 12 13 39	17	22	17	22	33	14.5	8	34	19	23	.156
12	G3/8	0119 12 17 39	22	22	22	22	34.5	15	10.5	34	19	26.5	.181
14	G1/4	0119 14 13 39	17	24	17	27	36	16	8	37	20.5	28	.248
14	G3/8	0119 14 17 39	22	24	22	27	37.5	16.5	8.5	37	20.5	28	.243
14	G1/2	0119 14 21 39	27	24	26	27	39	16.5	10	38	20.5	32.5	.257
15	G3/8	0119 15 17 39	22	24	22	27	37.5	16.5	8.5	37	20.5	28	.270
15	G1/2	0119 15 21 39	27	24	26	27	40	16.5	10	38	20.5	32.5	.278
16	G1/2	0119 16 21 39	27	27	26	27	40	16.5	10	38	21	32.5	.295
18	G1/2	0119 18 21 39	27	30	26	34	47	20	9	43	24.5	36	.312
20	G3/4	0119 20 27 39	32	32	32	34	50	20.5	13	44	24.5	39	.320
22	G3/4	0119 22 27 39	32	36	32	34	54	22.5	12	45	24.5	39	.330

Refer to page H22 for details of sealing washer 0602 used on banjos 0119.

Length of parallel threads for part numbers 0119.



C	G1/8	G1/4	G3/8	G1/2	G3/4
E	4.5mm	6mm	8mm	9mm	10mm

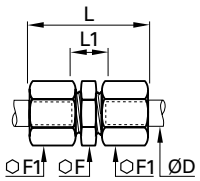
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tube-to-tube connectors

0106 straight union



brass

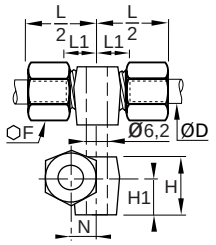


ØD mm		F mm	F1 mm	L max mm	L1 mm	kg
4	0106 04 00	10	10	28	10	.017
5	0106 05 00	11	12	31	11	.024
6	0106 06 00	11	13	32	11	.026
8	0106 08 00	13	14	36	10	.031
10	0106 10 00	17	19	42	13	.070
12	0106 12 00	19	22	42	13	.092
14	0106 14 00	22	24	45	11	.096
15	0106 15 00	22	24	45	11	.104
16	0106 16 00	24	27	48	13	.142
18	0106 18 00	27	30	53	14	.191
20	0106 20 00	30	32	56	14	.216
22	0106 22 00	32	36	60	14	.280
25	0106 25 00	36	41	64	14	.398
28	0106 28 00	42	41	64	14	.400

0113 union connector with mounting hole



brass

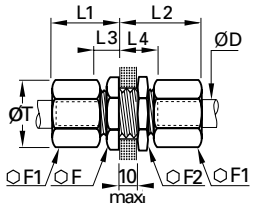


ØD mm		F mm	H mm	H1 mm	H1 mm	L/2 mm	N mm	kg
4	0113 04 00	10	10.5	7	19	9.5	6	.022
6	0113 06 00	13	13	9	20.5	10	7	.033
8	0113 08 00	14	14.5	9.5	23.5	11	8	.040
10	0113 10 00	19	19.5	12.5	26	11	9	.081
12	0113 12 00	22	22	14	26.5	12	11	.109
14	0113 14 00	24	25	16	28	11	12	.122

0116 bulkhead union



brass

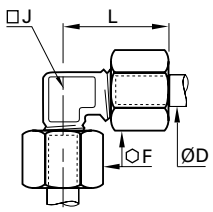


ØD mm		F mm	F1 mm	F2 mm	L1 max mm	L2 min mm	L3 mm	L4 mm	T min mm	kg
4	0116 04 00	10	10	13	17	27	7	17	8.3	.024
5	0116 05 00	13	12	14	18	28	7.5	17.5	10.3	.035
6	0116 06 00	13	13	14	19	28	7.5	17.5	10.3	.037
8	0116 08 00	14	14	17	20	29	7	17	12.3	.047
10	0116 10 00	19	19	22	25	33	9	19	16.5	.101
12	0116 12 00	22	22	22	25	33	9	19	18.5	.125
14	0116 14 00	24	24	24	25	35	8	18	20.5	.143
15	0116 15 00	24	24	24	25	35	8	18	20.5	.133
16	0116 16 00	27	27	27	28	36	9.5	19.5	22.5	.191
18	0116 18 00	27	30	30	30	40	10.5	20.5	24.5	.244
20	0116 20 00	32	30	32	31	41	11	21	27.5	.268
22	0116 22 00	36	36	36	32	42	11	21	30.5	.372
25	0116 25 00	36	41	38	36	46	11	21	33.5	.475

0102 equal elbow



brass



ØD mm		F mm	J mm	L max mm	kg
4	0102 04 00	10	5	19	.017
5	0102 05 00	12	8	21	.024
6	0102 06 00	13	8	22	.027
8	0102 08 00	14	10	28	.038
10	0102 10 00	19	12	30	.072
12	0102 12 00	22	15	30	.097
14	0102 14 00	24	19	35	.131
15	0102 15 00	24	19	35	.119
16	0102 16 00	27	19	39	.164
18	0102 18 00	30	23	41	.230
20	0102 20 00	32	23	42	.236
22	0102 22 00	36	27	50	.376
25	0102 25 00	41	27	54	.464
28	0102 28 00	42	32	54.5	.460

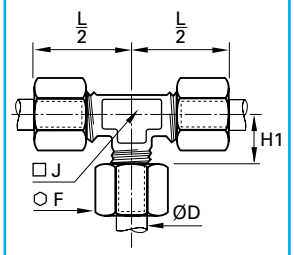
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tube to tube connectors

0104 equal tee



brass

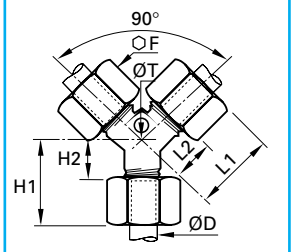


ØD mm		F mm	H1 mm	J mm	L/2 mm	kg
4	0104 04 00	10	9.5	8	19	.029
5	0104 05 00	12	11	8	21	.035
6	0104 06 00	13	11	8	22	.040
8	0104 08 00	14	15	10	28	.055
10	0104 10 00	19	14.5	12	30	.103
12	0104 12 00	22	15	15	30	.139
14	0104 14 00	24	18	19	35	.188
15	0104 15 00	24	18	19	35	.168
16	0104 16 00	27	21	19	39	.236
18	0104 18 00	30	21.5	23	41	.322
20	0104 20 00	32	21.5	23	42	.324
22	0104 22 00	36	29	27	50	.518
25	0104 25 00	41	29	27	54	.646
28	0104 28 00	42	30	32	55	.650

0142 equal "Y" connector



brass

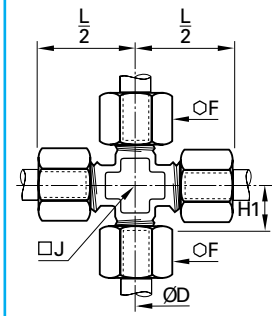


ØD mm		F mm	H1 max mm	H2 mm	L1 max mm	L2 mm	T mm	kg
4	0142 04 00	10	16.5	7	26.5	17	4.2	.032
5	0142 05 00	12	18.5	8.5	27	17	4.2	.046
6	0142 06 00	13	19.5	8.5	28	17	4.2	.050
8	0142 08 00	14	21	8	30	17	6.2	.062
10	0142 10 00	19	24.5	9	37.5	22	6.2	.130
12	0142 12 00	22	26	11	38	23	6.2	.171
14	0142 14 00	24	28	11	41.5	24.5	6.2	.199
15	0142 15 00	24	28	11	41.5	24.5	6.2	.177
16	0142 16 00	27	30	12	43	25	6.2	.257
18	0142 18 00	30	31.5	12	50.5	31	10.2	.350
20	0142 20 00	32	33.5	13	51.5	31	10.2	.410
22	0142 22 00	36	34	13	53	32	10.2	.543
25	0142 25 00	41	39	14	59	34	10.2	.728

0107 equal cross



brass



ØD mm		F mm	H1 mm	J mm	L/2 mm	kg
4	0107 04 00	10	9.5	8	19	.037
5	0107 05 00	12	11	8	21	.048
6	0107 06 00	13	11	8	22	.053
8	0107 08 00	14	15	11	28	.074
10	0107 10 00	19	14.5	14	30	.143
12	0107 12 00	22	15	15	30	.185
14	0107 14 00	24	18	20	35	.241
15	0107 15 00	24	18	20	35	.223
16	0107 16 00	27	21	20	39	.311
18	0107 18 00	30	21.5	25	41	.431
20	0107 20 00	32	21.5	25	42	.442
22	0107 22 00	36	29	27	50	.682
25	0107 25 00	41	29	27	50	.811

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complementary fittings

the Legris reduction assembly

This patented accessory enables a smaller tube size to be used with the standard Legris connector designed for larger sized tube. Tube may be copper, brass, nylon, thin wall steel (wall thickness ≤ 1mm).
For example the following can be connected to a 14mm equal cross connector:

- a 4mm nylon tube
- a 8mm copper tube
- a 12mm brass tube
- a 14mm braided PVC hose

The Legris reduction assembly

- allows a lower stockholding of fittings (57 alternative reductions are available).
- enables less complicated system designs.
- allows connection of several tube diameters within one fitting.

Legris reducers may be used with the 0122 tailpiece adapter for rubber hose, the 0165 tailpiece adapter for nylon hose and blanking plug 0126.

The reduction assembly comprises three components.

① the reduction piece,



which fits inside the fitting body.



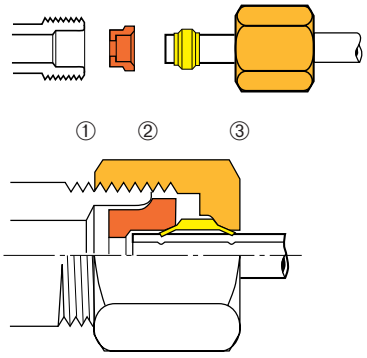
② the universal compression sleeve which fits on the end of the tube and is inserted between the reduction piece and the nut.





③ the brass nut

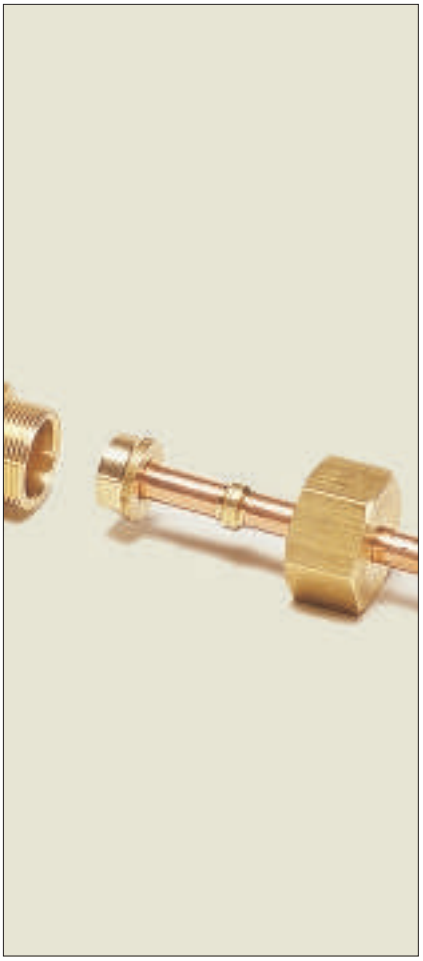




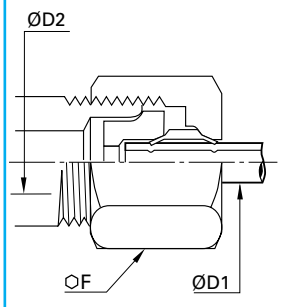
which is slightly longer than the standard nut in order to accommodate the extended length of the reduction piece.

fully assembled unit

0166 reduction assembly



brass



Ø D1 = tube to be fitted
Ø D2 = for a xmm fitting

ØD1 mm	ØD2 mm		F mm	kg
4	5	0166 04 05	13	.011
5	6	0166 05 06	13	.011
4	6	0166 04 06	13	.011
6	8	0166 06 08	14	.012
5	8	0166 05 08	14	.013
4	8	0166 04 08	14	.014
8	10	0166 08 10	19	.027
6	10	0166 06 10	19	.030
5	10	0166 05 10	19	.030
4	10	0166 04 10	19	.031
10	12	0166 10 12	22	.037
8	12	0166 08 12	22	.040
6	12	0166 06 12	22	.043
5	12	0166 05 12	22	.044
4	12	0166 04 12	22	.045
12	14	0166 12 14	24	.043
10	14	0166 10 14	24	.046
8	14	0166 08 14	24	.051
6	14	0166 06 14	24	.051
5	14	0166 05 14	24	.053
4	14	0166 04 14	24	.054
12	15	0166 12 15	24	.045
10	15	0166 10 15	24	.048
8	15	0166 08 15	24	.053
6	15	0166 06 15	24	.055
4	15	0166 04 15	24	.058
14	16	0166 14 16	27	.060
12	16	0166 12 16	27	.072
10	16	0166 10 16	27	.069
8	16	0166 08 16	27	.076
6	16	0166 06 16	27	.078
5	16	0166 05 16	27	.077

ØD1 mm	ØD2 mm		F mm	kg
16	18	0166 16 18	30	.078
15	18	0166 15 18	30	.080
14	18	0166 14 18	30	.084
12	18	0166 12 18	30	.090
10	18	0166 10 18	30	.097
8	18	0166 08 18	30	.099
18	20	0166 18 20	32	.080
16	20	0166 16 20	32	.089
14	20	0166 14 20	32	.097
12	20	0166 12 20	32	.102
10	20	0166 10 20	32	.104
18	22	0166 18 22	36	.120
16	22	0166 16 22	36	.122
15	22	0166 15 22	36	.130
14	22	0166 14 22	36	.132
12	22	0166 12 22	36	.135
10	22	0166 10 22	36	.145
20	25	0166 20 25	41	.166
18	25	0166 18 25	41	.178
16	25	0166 16 25	41	.174
14	25	0166 14 25	41	.190
12	25	0166 12 25	41	.195
10	25	0166 10 25	41	.205
22	28	0166 22 28	42	.169
18	28	0166 18 28	42	.180

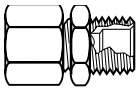
Each of the above part numbers comprises:
- a reduction piece
- a sleeve: ref 0124
- a nut: ref 0110

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legris products are available from: MARYLAND METRICS

brass sleeves and nuts

The table below illustrates the wide number of possible combinations available when using the Legris brass compression range. In addition the advantages of the **Legris** reduction assembly are shown on page G25.

<table>
<tr><td colspan="6">brass fitting body
</td></tr>
<tr><td colspan="2">0110

brass</td><td colspan="2">0110... 60

brass</td><td>0110... 40

steel</td><td rowspan="2">0110... 70

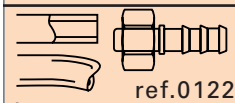
plastic</td></tr>
<tr><td>0124

brass</td><td>0111

brass BNA</td><td>0124

brass</td><td>0111

brass BNA</td><td>0124... 40

steel</td></tr>
<tr><td>
brass tube
plastic tube
copper tube
ref.0122
ref.0165</td><td>
copper tube</td><td>
soft copper tube subjected to vibration and lateral forces</td><td>
half hard copper tube subjected to vibration and lateral forces</td><td>
steel tube: low and medium pressure hydraulics</td><td>
plastic tubes</td></tr>
</table>



0124

This type of brass sleeve is supplied as standard and is for use with nut **0110.**
This 'nut and sleeve' assembly is suitable for connecting copper, brass, thin walled steel, and plastic tube as well as **0122** and **0165** tube adapters.



0124... 40

This steel sleeve is for use with hydraulic fluids. It is used with the nut reference **0110...suffix 40.**
This 'nut and sleeve' assembly is suitable for medium pressure hydraulics (see page G11)



0111

This brass sleeve conforms to BNA 34-E-29601
It is assembled with a nut **0110** and is suitable for copper tube.



0110/0110... 40

Brass nut **0110** is used with brass sleeve **0124**, or **0111** or blanking plug **0126.**
Steel nut **0110...suffix 40** is used with steel sleeve **0124...suffix 40.**
It is recommended to lubricate threads and components.



0110... 60

The use of this nut improves the grip on soft copper tube and on all fittings which may be subjected to relatively large vibrations or abnormal lateral forces.
Nut **0110...suffix 60** should be used with olives **0124 or 0111.**



0110... 70

This product acts as both nut and sleeve when used with soft plastic tubing
1 - manually tighten the **0110...70** several times on to the fitting
2 - push home the plastic tube through the nut/sleeve
3 - manually fully tighten the plastic nut/sleeve

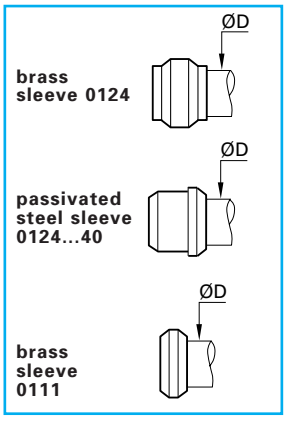
The above recommendations are given in good faith. However, since each application is different it is advisable to undertake tests in actual working conditions.

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complementary fittings

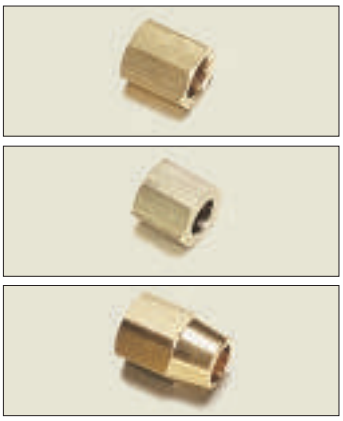
0124, 0124 suffix — 40, 0111 sleeves

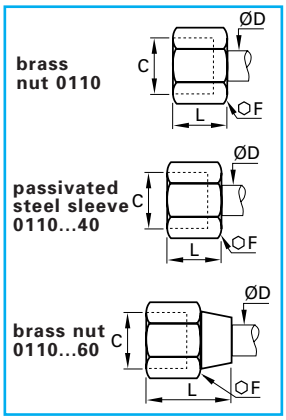




ØD mm		kg		kg		kg
4	0124 04 00	.001	0124 04 00 40	.001	0111 04 00	.001
5	0124 05 00	.001	0124 05 00 40	.001	0111 05 00	.001
6	0124 06 00	.001	0124 06 00 40	.001	0111 06 00	.001
8	0124 08 00	.002	0124 08 00 40	.002	0111 08 00	.002
10	0124 10 00	.003	0124 10 00 40	.003	0111 10 00	.002
12	0124 12 00	.004	0124 12 00 40	.004	0111 12 00	.003
14	0124 14 00	.004	0124 14 00 40	.005	0111 14 00	.003
15	0124 15 00	.004	0124 15 00 40	.005	0111 15 00	.003
16	0124 16 00	.006	0124 16 00 40	.006	0111 16 00	.004
18	0124 18 00	.007	0124 18 00 40	.008		
20	0124 20 00	.009	0124 20 00 40	.008		
22	0124 22 00	.012	0124 22 00 40	.010		
25	0124 25 00	.017	0124 25 00 40	.015		
28	0124 28 00	.017				

0110, 0110 suffix — 40, 0110 suffix — 60 nuts



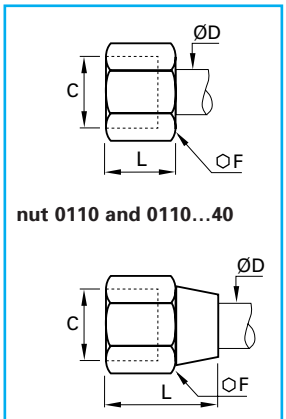


ØD mm	C metric		kg		kg		kg
4	M8x1	0110 04 00	.005	0110 04 00 40	.004	0110 04 00 60	.006
5	M10x1	0110 05 00	.006	0110 05 00 40	.006	0110 05 00 60	.009
6	M10x1	0110 06 00	.008	0110 06 00 40	.008	0110 06 00 60	.011
8	M12x1	0110 08 00	.008	0110 08 00 40	.009	0110 08 00 60	.012
10	M16x1.5	0110 10 00	.019	0110 10 00 40	.019	0110 10 00 60	.027
12	M18x1.5	0110 12 00	.026	0110 12 00 40	.027	0110 12 00 60	.041
14	M20x1.5	0110 14 00	.029	0110 14 00 40	.030	0110 14 00 60	.051
15	M20x1.5	0110 15 00	.028	0110 15 00 40	.030	0110 15 00 60	.050
16	M22x1.5	0110 16 00	.043	0110 16 00 40	.043	0110 16 00 60	.072
18	M24x1.5	0110 18 00	.059	0110 18 00 40	.057	0110 18 00 60	.097
20	M27x1.5	0110 20 00	.057	0110 20 00 40	.062	0110 20 00 60	.102
22	M30x1.5	0110 22 00	.079	0110 22 00 40	.084	0110 22 00 60	.129
25	M33x1.5	0110 25 00	.121	0110 25 00 40	.130	0110 25 00 60	.194
28	M36x1.5	0110 28 00	.109				

Technical specification of nuts

tightening torque:

Max kg = tightening torque for nut 0110 and sleeve 0124 on copper, brass or steel tube

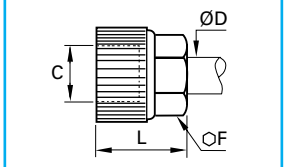


ØD mm	F 0110	L 0110	F 0110...60	L 0110...60	max kg torque copper or brass	F 0110...40	L 0110...40	max kg torque steel
4	10	11	11	14.5	.7	10	11	1.5
5	12	11	13	17	.7	12	11.5	1.5
6	13	11	13	17.5	1.5	13	12	2.5
8	14	13	16	20	1.5	14	13.5	2.5
10	19	15	20	23	1.8	19	16	3
12	22	15	22	25	3	22	16.5	4.5
14	24	15	24	30	3.5	24	17	5.5
15	24	15	24	30	4	24	17	6
16	27	17	27	32	5	27	18	7
18	30	18	30	35	6	30	19	9
20	32	18	32	35	6	32	20.5	10
22	36	19	36	36	7	36	21.5	12
25	41	21	41	40	8	41	24	13
28	42	21			9			

0110 suffix — 70 nut-sleeve



engineering plastic



ØD mm	C		F mm	L mm	kg
4	M8x1	0110 04 00 70	8	13	.001
6	M10x1	0110 06 00 70	11	15	.002
8	M12x1	0110 08 00 70	13	16	.002
10	M16x1.5	0110 10 00 70	17	19	.004
12	M18x1.5	0110 12 00 70	19	19	.005
14	M20x1.5	0110 14 00 70	22	20	.007
16	M22x1.5	0110 16 00 70	24	21	.009

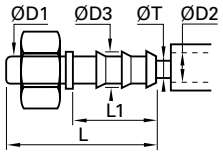
NB. plastic nut-olives should not be used on metal tubes.

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0122 barbed adapter for rubber hose



brass

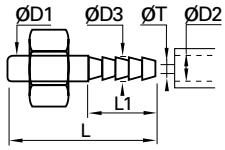


ØD1 mm	ØD2 mm		ØD3 mm	L mm	L1 mm	ØT min mm	kg
4	4	0122 04 04	6	37.5	22.5	3	.004
5	4	0122 05 04	6	37.5	22.5	3	.004
6	4	0122 06 04	6	37.5	22.5	3	.005
6	7	0122 06 07	9	37.5	22.5	6	.007
8	6	0122 08 06	8	40	22.5	5	.007
8	7	0122 08 07	9	40	22.5	6	.008
8	10	0122 08 10	12.5	40	22.5	9	.012
10	7	0122 10 07	9	43	22.5	6	.010
10	10	0122 10 10	12.5	43	22.5	9	.013
12	10	0122 12 10	12.5	43	22.5	9	.013
12	13	0122 12 13	15	50	29.5	12	.018
14	13	0122 14 13	15	52	29.5	12	.018
14	16	0122 14 16	18.5	60.5	38	15	.031
15	13	0122 15 13	15	52	29.5	12	.020
15	16	0122 15 16	18.5	60.5	38	15	.032
16	13	0122 16 13	15	53.5	29.5	12	.021
16	16	0122 16 16	18.5	62	38	15	.029
18	16	0122 18 16	18.5	62	38	15	.032
18	19	0122 18 19	21.5	62	38	18	.039
20	16	0122 20 16	18.5	64	38	15	.036
20	19	0122 20 19	21.5	64	38	18	.039
22	19	0122 22 19	21.5	64	38	18	.040
25	19	0122 25 19	21.5	70	38	18	.050
25	25	0122 25 25	27.5	70	38	24	.063
28	25	0122 28 25	27.5	70	38	24	.088

0165 barbed adapter for plastic hose

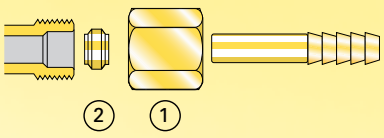


brass



ØD1 mm	ØD2 mm		ØD3 mm	L mm	L1 mm	ØT min mm	kg
4	4	0165 04 06	4.3	30	15	2	.003
5	4	0165 05 06	4.3	30	15	2	.003
6	4	0165 06 06	4.3	30	15	2	.003
6	6	0165 06 08	6.4	30	15	4	.004
6	8	0165 06 10	8.4	30	15	4	.005
8	6	0165 08 08	6.4	32.5	15	4	.006
8	8	0165 08 10	8.4	32.5	15	6	.006
8	10	0165 08 12	10.7	37.5	20	6	.009
10	8	0165 10 10	8.4	35.5	15	6	.008
10	10	0165 10 12	10.7	40.5	20	8	.010
10	12	0165 10 14	12.7	40.5	20	8	.012
12	10	0165 12 12	10.7	40.5	20	8	.012
12	12	0165 12 14	12.7	40.5	20	10	.012
14	12	0165 14 14	12.7	42.5	20	10	.014
15	13	0165 15 16	13.7	42.5	20	11	.015
16	13	0165 16 16	13.7	44	20	11	.018

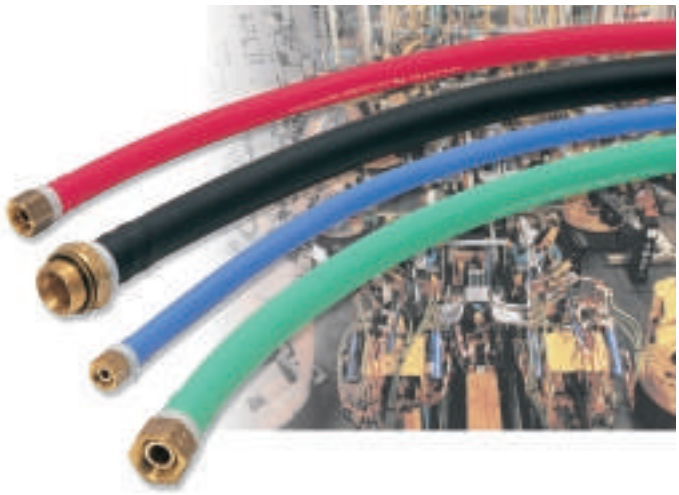
① + ② + adapter
nut + sleeve + adapter



0122 and **0165** barbed adapters are used in place of tube. They are therefore inserted into the fittings and fixed with the nut and sleeve supplied with the fitting.

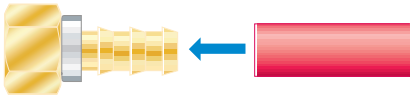
Order from: Maryland Metrics email: techinfo@mdmetric.com ph. (800)638-1830 fx. (800)872-9329

quick-acting barbed fittings for push-on hose

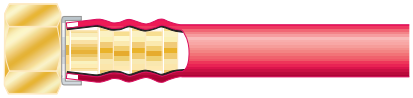


Exclusively designed to be connected to push-on hose (see Tubing and Hoses section), Legris quick-acting barbed fittings are perfectly adapted to modern requirements of industry, such as automation.
Connection is quick and easy:

- no grease or oil is needed to lubricate the tube and no preparation time is required. Safety for both installer and user is safeguarded since the tube when pushed onto the fitting butts against and beneath the grey collar visually confirming correct connection.
- to disconnect, cut the tube with a knife on the barbed side of the fitting.



correct connection =
the tube is pushed on to the fitting to butt against and beneath the collar

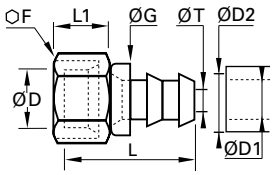


Legris push-on hose can be found on page M21 of this catalog.

0132 quick-acting barbed fitting with brass compression fitting



brass body
polymer collar

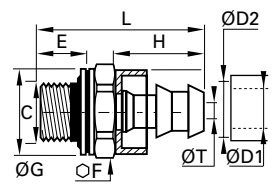


ØD mm	ID		ØD1 mm	ØD2 mm	F mm	G mm	L mm	L1 mm	T mm	kg
6	1/4	0132 06 56	6.3	13	12	16.5	32.5	12.5	4.8	.012
8	1/4	0132 08 56	6.3	13	14	16.5	29.5	11.5	4.8	.014
10	1/4	0132 10 56	6.3	13	19	16.5	30	14	4.8	.027
10	3/8	0132 10 60	9.5	16	19	19.5	34	14	7.5	.035
14	3/8	0132 14 60	9.5	16	24	19.5	35.5	15	7.5	.049
14	1/2	0132 14 62	12.7	19	24	23.5	39.5	15	10	.054
18	1/2	0132 18 62	12.7	19	30	23.5	41.5	17	10	.092
18	5/8	0132 18 66	15.9	23	30	27	50	17	13.5	.090
22	3/4	0132 22 69	19.1	27	36	30.5	56.5	17	16	.128

0133...39 quick-acting barbed fitting with male — BSPP



brass body
with bi-material seal
polymer collar

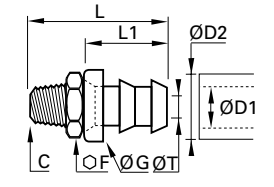


C BSPP	ID		ØD1 mm	ØD2 mm	E mm	F mm	G mm	H mm	L mm	T mm	kg
G1/8	1/4	0133 56 10 39	6.3	13	5.5	13	14	20	31.5	4.8	.012
G1/4	1/4	0133 56 13 39	6.3	13	7	17	17	20	33.5	4.8	.020
G1/4	3/8	0133 60 13 39	9.5	16	7	17	17	24	37.5	7.5	.021
G3/8	3/8	0133 60 17 39	9.5	16	9.5	22	22	24	42.5	7.5	.035
G3/8	1/2	0133 62 17 39	12.7	19	9.5	22	22	28	46.5	10	.038
G1/2	1/2	0133 62 21 39	12.7	19	10.5	27	26	28	48.5	10	.064
G1/2	5/8	0133 66 21 39	15.9	23	10.5	27	26	36.5	57	13.5	.057
G3/4	5/8	0133 66 27 39	15.9	23	11.5	32	32	36.5	59	13.5	.101
G3/4	3/4	0133 69 27 39	19.1	27	11.5	32	32	43	65.5	16	.107

0134 quick-acting barbed fitting with male — BSPT



brass body
polymer collar



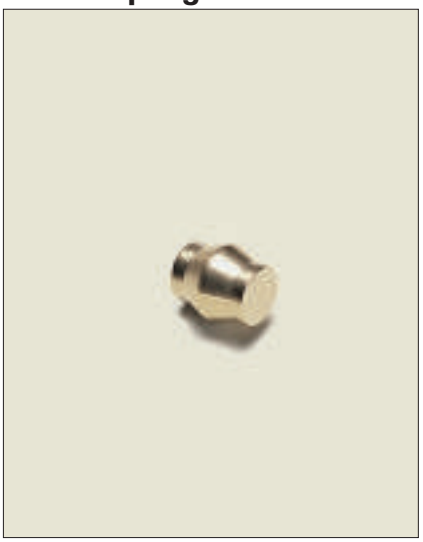
C BSPT	ID		ØD1 mm	ØD2 mm	F mm	G mm	L mm	L1 mm	T mm	kg
R1/8	1/4	0134 56 10	6.3	13	14	16.5	32.5	20	4.8	.012
R1/4	1/4	0134 56 13	6.3	13	14	16.5	37	20	4.8	.020
R1/4	3/8	0134 60 13	9.5	16	14	19.5	41	24	7.5	.021
R3/8	3/8	0134 60 17	9.5	16	19	19.5	41.5	24	7.5	.035
R3/8	1/2	0134 62 17	12.7	19	19	23.5	45.5	28	10	.038
R1/2	1/2	0134 62 21	12.7	19	22	23.5	50	28	10	.064
R1/2	5/8	0134 66 21	15.9	23	22	27	58.5	36.5	13.5	.057
R3/4	5/8	0134 66 27	15.9	23	27	27	60.5	36.5	13.5	.101
R3/4	3/4	0134 69 27	19.1	27	27	30.5	67	43	16	.107

Maximum torque for model 0132

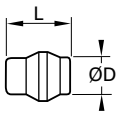
ØDmm	6	8	10	14	18	22
max torque in. lb	60	130	160	310	530	620

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0126 plug



brass



ØD mm		L mm	kg
4	0126 04 00	10	.002
5	0126 05 00	10	.002
6	0126 06 00	10	.003
8	0126 08 00	11.5	.006
10	0126 10 00	13	.011
12	0126 12 00	13	.014
14	0126 14 00	13.5	.020
15	0126 15 00	13.5	.022
16	0126 16 00	16	.030
18	0126 18 00	16	.038
20	0126 20 00	16	.046
22	0126 22 00	18	.062
28	0126 28 00	19.5	.108

The plug is used to blank off an outlet in a compression fitting.

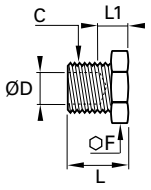
It replaces the sleeve.

When an open outlet is required simply dismantle, replace the plug by the tube and sleeve, reusing the nut. The plug is also reusable.

0125 metric parallel tube end plug



brass



ØD mm	C metric		F mm	L mm	L1 mm	kg
4	M8x1	0125 04 00	10	12	8	.006
6	M10x1	0125 06 00	11	13.5	9.5	.009
8	M12x1	0125 08 00	14	14	9	.012
10	M16x1.5	0125 10 00	17	18	11	.025
12	M18x1.5	0125 12 00	19	18	11	.031
14	M20x1.5	0125 14 00	22	19	11	.039

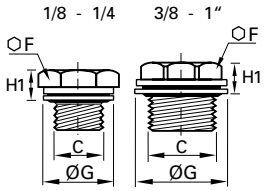
This plug enables unused tubes to be blanked off.
The male thread on the plug has the same pitch as the female thread on the nut of a standard Legris fitting. Therefore the plug screwed into the nut blanks off the tube.

To reopen the passage, simply unscrew the plug and fit the required connector. No further treatment of the tube is required.

0220...39 male plug — BSPP



brass with bi-material seal



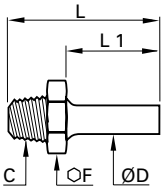
C BSPP		F mm	G mm	H1 mm	kg
G1/8	0220 10 00 39	14	14	6.5	.005
G1/4	0220 13 00 39	17	17	6.5	.016
G3/8	0220 17 00 39	17	22	8	.021
G1/2	0220 21 00 39	22	26	9	.045
G3/4	0220 27 00 39	22	32	10	.053
G1"	0220 34 00 39	27	39.5	10.5	.067

Order from: Maryland Metrics email: techinfo@mdmetric.com ph. (800)638-1830 fx. (800)872-9329

0120 straight stem adapter — BSPT



brass

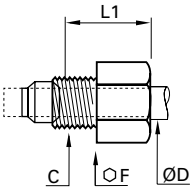


ØD mm	C BSPT		F mm	L mm	L1 mm	kg
4	R1/8	0120 04 10	11	25.5	14	.007
5	R1/8	0120 05 10	11	26	14.5	.008
6	R1/8	0120 06 10	11	26.5	15	.008
6	R1/4	0120 06 13	14	31	15	.015
8	R1/8	0120 08 10	11	28.5	17	.008
8	R1/4	0120 08 13	14	33	17	.016
8	R3/8	0120 08 17	17	33.5	17	.021
10	R1/4	0120 10 13	14	36	20	.017
10	R3/8	0120 10 17	17	36.5	20	.022
10	R1/2	0120 10 21	22	41	20	.040
12	R1/4	0120 12 13	14	36	20	.017
12	R3/8	0120 12 17	17	36.5	20	.022
12	R1/2	0120 12 21	22	41	20	.045
14	R3/8	0120 14 17	17	38	21.5	.023
14	R1/2	0120 14 21	22	42.5	21.5	.040
15	R3/8	0120 15 17	17	38	21.5	.023
15	R1/2	0120 15 21	22	42.5	21.5	.039
16	R3/8	0120 16 17	17	39.5	23	.024
16	R1/2	0120 16 21	22	44	23	.042
18	R1/2	0120 18 21	22	44.5	23.5	.041
18	R3/4	0120 18 27	27	47.5	23.5	.071
20	R3/4	0120 20 27	27	49	25	.069
22	R3/4	0120 22 27	27	48.5	25.5	.067
22	R1"	0120 22 34	36	52.5	25.5	.116
25	R1"	0120 25 34	36	57	30	.117
28	R1"	0120 28 34	36	57	30	.138

0112 male nut for standard sleeve



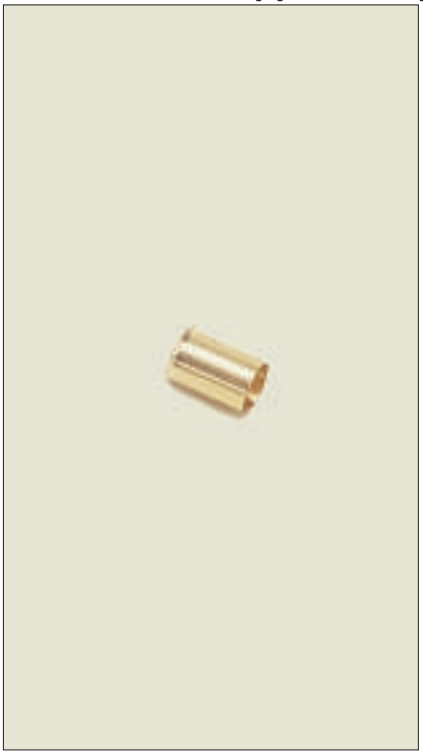
brass



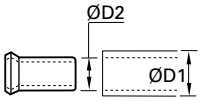
ØD mm	C metric		F mm	L1 mm	kg
4	M8x1	0112 04 00	10	8.5	.006
5	M10x1	0112 05 00	11	9.5	.007
6	M10x1	0112 06 00	11	9.5	.008
8	M12x1	0112 08 00	13	10.5	.009
10	M16x1.5	0112 10 00	17	11	.018
12	M18x1.5	0112 12 00	19	11	.021
14	M20x1.5	0112 14 00	22	12	.026

This product is designed to allow the tube to be fitted directly into the tapped port in a body using a standard Legris olive.

0127 tube support for plastic tube



brass

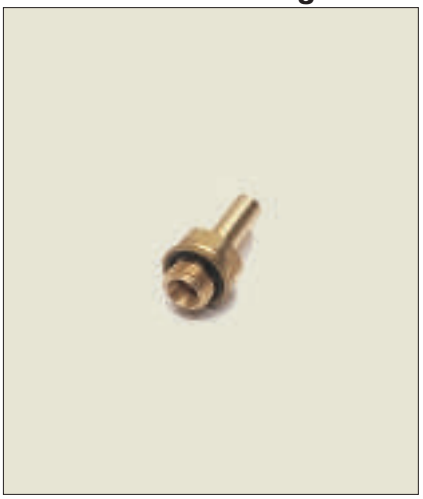


ØD1 mm	ØD2 mm		kg
4	2	0127 04 00	.001
4	2.7	0127 04 27	.001
5	3	0127 05 03	.001
5	3.3	0127 05 00	.001
6	4	0127 06 00	.001
8	5.5	0127 08 55	.001
8	6	0127 08 00	.001
10	7	0127 10 07	.002
10	7.5	0127 10 75	.002
10	8	0127 10 00	.002
12	8	0127 12 08	.002
12	9	0127 12 09	.002
12	10	0127 12 00	.002
14	11	0127 14 11	.003
14	12	0127 14 00	.003
15	12	0127 15 12	.003
16	13	0127 16 13	.003
18	14	0127 18 14	.004
20	15	0127 20 15	.004
22	16	0127 22 16	.005
25	19	0127 25 19	.005

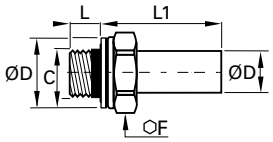
At high temperature and pressure or during oscillating movements, the use of tube supports prevents distortion of the tube and guarantees effective gripping and sealing.

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0128...39 straight stem adapter — BSPP



brass with bi-material seal

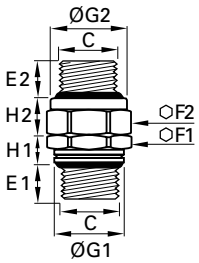


ØD mm	C BSPP		F mm	G mm	L mm	L1 mm	kg
4	G1/8	0128 04 10 39	13	14	7.5	20	.008
4	G1/4	0128 04 13 39	17	17	9	22	.010
6	G1/8	0128 06 10 39	13	14	7.5	21	.009
6	G1/4	0128 06 13 39	17	17	9	23	.015
8	G1/8	0128 08 10 39	13	14	7.5	23	.009
8	G1/4	0128 08 13 39	17	17	9	25	.017
8	G3/8	0128 08 17 39	22	22	12	26	.022
10	G1/4	0128 10 13 39	17	17	9	28	.017
10	G3/8	0128 10 17 39	22	22	12	29	.025
10	G1/2	0128 10 21 39	27	26	27	30	.042
14	G3/8	0128 14 17 39	22	22	12	30.5	.025
14	G1/2	0128 14 21 39	27	26	27	31.5	.043
18	G1/2	0128 18 21 39	27	26	27	33.5	.044
18	G3/4	0128 18 27 39	32	32	14	34.5	.073
22	G3/4	0128 22 27 39	32	32	14	36.5	.069
22	G1"	0128 22 34 39	41	39.5	16.5	38	.118
28	G1"	0128 28 34 39	41	39.5	16.5	42.5	.140

0151 straight male orientable adapter — BSPP



brass with bi-material seal

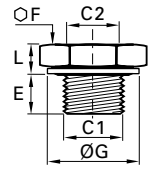


C BSPP		E1 mm	E2 mm	F1 mm	F2 mm	G1 mm	G2 mm	H1 mm	H2 mm	kg
G1/8	0151 10 10 39	5.5	7	13	14	14	14	6	6.5	.017
G1/4	0151 13 13 39	7	8.5	17	19	17	19	6.5	9	.026
G3/8	0151 17 17 39	9.5	9.5	22	22	22	22	9	9	.042
G1/2	0151 21 21 39	10.5	10.5	27	27	26	26	10	10	.070
G3/4	0151 27 27 39	11.5	11.5	32	32	32	32	11	10.5	.096
G1"	0151 34 34 39	13	13.5	41	41	39.5	39.5	12.5	13	.115

0168...39 reducer male to female — BSPP



brass with bi-material seal



C1 BSPP	C2 BSPP/metric		E mm	F mm	G mm	L mm	kg
G1/8	M5x.8	0168 10 19 39	8	14	14	4.5	.010
G1/4	M5x.8	0168 13 19 39	8	17	17	5	.012
G1/4	G1/8	0168 13 10 39	8	17	17	5	.020
G3/8	G1/8	0168 17 10 39	10	19	22	5	.028
G3/8	G1/4	0168 17 13 39	10	19	22	5	.035
G1/2	G1/8	0168 21 10 39	12	24	26	7.5	.039
G1/2	G1/4	0168 21 13 39	12	24	26	7.5	.056
G1/2	G3/8	0168 21 17 39	12	24	26	7.5	.062
G3/4	G1/4	0168 27 13 39	12	32	32	9.5	.067
G3/4	G3/8	0168 27 17 39	12	32	32	9.5	.097
G3/4	G1/2	0168 27 21 39	12	32	32	9.5	.116

This catalog offers a range of brass accessories compatible with brass compression fittings.
Please refer to section H.

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special products

brass compression fittings







These products include special connections, fluids compatibility, threads, shape, temperature, materials etc., which preclude the use of standard fittings. Legris is pleased to share its knowledge and experience to solve special problems.

Brass compression fittings can be used with various tubing shown in this catalog:

- semi-rigid Nylon tube 4mm to 16mm O.D. Page M9
- rigid Nylon tube 4mm to 10mm O.D.
- fluoropolymer tube FEP 140 4mm to 12mm O.D. Page M16
- PVC hose 8mm to 26mm O.D. Page M22



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