

LF3000® Push-to-Connect Fittings

LF3000 push-to-connect fittings with its wide variety configurations allows you to find the perfect product to meet your needs, optimizing the use of your equipment.

Product Features:

- Stainless steel grab ring
- Glass-reinforced nylon 6.6 body
- Nitrile D-seal
- Nylon release button
- Corrosion and chemical resistance 28" Hg
- NPT, BSPT, BSPP, and metric threads
- Silicone-Free

Markets:

- Pneumatic
- Industrial
- Robotic
- Automation
- Printing
- Packaging
- Textile

Compatible Media:

- Air
- Cutting Fluids
- Inert Gases

Specifications:

Pressure Range

Up to 290 psi (20 bar)
3/16" diameter up to 260 psi (8 bar)
Maximum working pressure and temperature range are dependent on the type of tubing used

Temperature Range

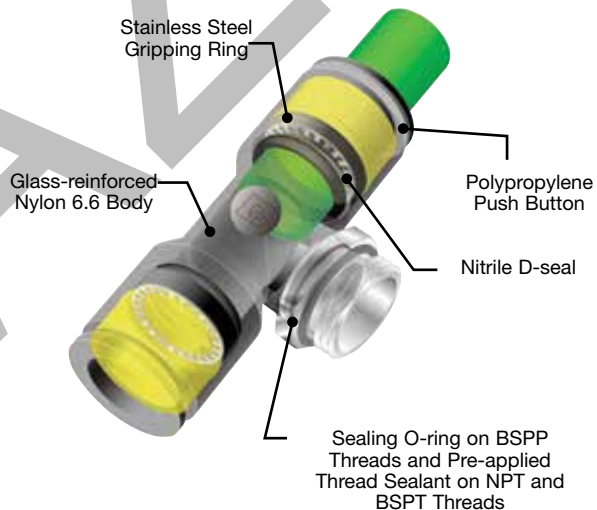
-4° to +175° F (-20° to +80° C)
3/16" diameter 5° to +155° F
(-15° to +68° C)

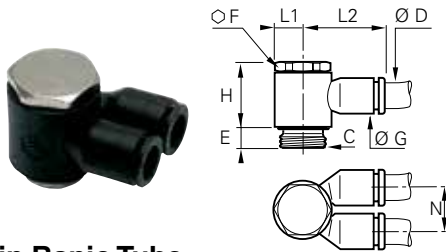
Vacuum Rating

28" Hg

Compatible Tubing:

- Semi-Rigid Nylon
- Polyurethane 95 Durometer Shore A
- Nylon
- Fluoropolymer
- Polyethylene





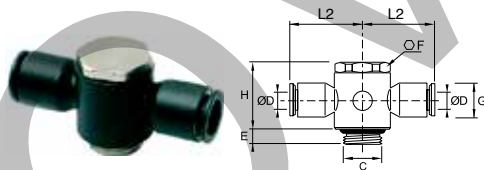
3149/3049 Twin Banjo Tube to NPT, UNF, BSPP or M5

PART NO.	ØD IN	C NPT/UNF	E IN	F MM	G IN	H IN	L1 IN	L2 IN	N IN	W OZ
3149 04 20	5/32	10-32	.16	-	.33	.63	.20	.61	.45	.28
3049 04 11	5/32	1/8	-	13	.43	.73	.28	.73	.57	.46
3049 56 11	1/4	1/8	-	13	.43	.73	.28	.73	.57	.46
3049 56 14	1/4	1/4	-	17	.43	.89	.37	1.04	.57	1.20
3049 60 14	3/8	1/4	-	21	.63	1.04	.43	1.22	.67	1.20
3049 60 18	3/8	3/8	-	21	.63	1.04	.43	1.22	.67	2.33

PART NO.	ØD MM	C BSPP/M5	E IN	F MM	G IN	H IN	L1 IN	L2 IN	N IN	W KG
3149 04 19*	4	M5X0.8	4	-	8.5	13	4.5	16	9	.008
3149 04 10	4	G1/8	4	13	10.5	16.5	7	18.5	11.5	.013
3149 06 10	6	G1/8	4	13	10.5	16.5	7	18.5	11.5	.013
3149 06 13	6	G1/4	5.5	17	13.5	21	9.5	27	14.5	.034
3149 08 13	8	G1/4	5.5	17	13.5	21	9.5	27	14.5	.034
3149 08 17	8	G3/8	5.5	20	16	24.5	11	31	17	.066
3149 10 17	10	G3/8	5.5	20	16	24.5	11	31	17	.066

*With screwdriver slot

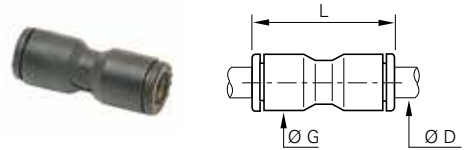
This fitting provides two parallel outlets on the same side.



3119 Double Banjo Metric Tube to BSPP or M5

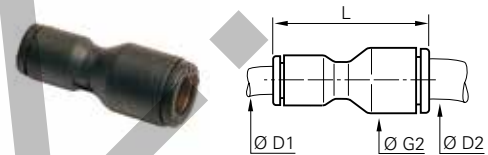
PART NO.	ØD MM	C BSPP/M5	E MM	F MM	G MM	H MM	L2 MM	W KG
3119 04 19*	4	M5X0.8	4	-	8.5	13	16	.005
3119 06 10	6	G1/8	4	13	11	17	20	.024
3119 06 13	6	G1/4	5.5	17	13.5	21	26.5	.031
3119 08 13	8	G1/4	5.5	17	13.5	21	27	.033
3119 08 17	8	G3/8	5.5	20	16	24.5	30.5	.052

*With screwdriver slot



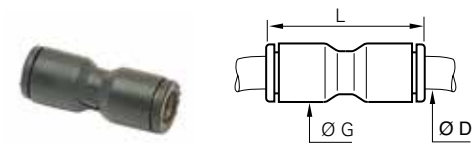
3106 Union Fractional Inch Tube to Tube

PART NO.	ØD IN	G IN	L IN	W OZ
3106 53 00	1/8	.34	.97	.11
3106 04 00	5/32	.33	.98	.07
3106 55 00	3/16	.43	1.44	.39
3106 56 00	1/4	.43	1.16	.14
3106 08 00	5/16	.53	1.50	.25
3106 60 00	3/8	.63	1.65	.40
3106 62 00	1/2	.87	2.17	.95



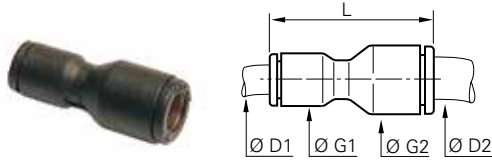
3106 Unequal Union Fractional Inch Tube to Tube

PART NO.	ØD1 IN	ØD2 IN	G2 IN	L IN	W KG
3106 53 04	1/8	5/32	.33	.96	.11
3106 53 56	1/8	1/4	.43	1.32	.34
3106 04 56	5/32	1/4	.43	1.16	.34
3106 56 08	1/4	5/16	.53	1.44	.40
3106 60 56	3/8	1/4	.63	1.61	.50
3106 60 62	3/8	1/2	.87	2.17	.55

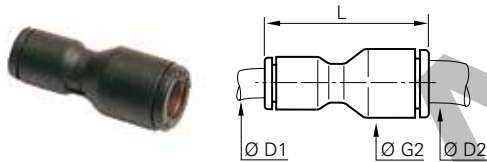


3106 Union Metric Tube to Tube

PART NO.	ØD MM	G MM	L MM	W KG
3106 03 00	3	8.5	25	.002
3106 04 00	4	8.5	25	.002
3106 06 00	6	10.5	28.5	.004
3106 08 00	8	13.5	38	.007
3106 10 00	10	16	42	.009
3106 12 00	12	19	50.5	.015
3106 14 00	14	22	56	.043
3106 16 00	16	27	60.5	.045

**3106 Unequal Union Metric Tube to Tube**

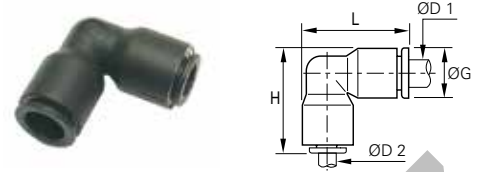
PART NO.	ØD1 MM	ØD2 MM	G1 MM	G2 MM	L MM	W KG
3106 03 04	3	4	8.5	8.5	25	.002
3106 04 06	4	6	8.5	11	28	.008
3106 04 08	4	8	13.5	13.5	38	.010
3106 06 08	6	8	13.5	13.5	38	.012
3106 06 10	6	10	16	16	42	.018
3106 08 10	8	10	16	16	42	.020
3106 08 12	8	12	19	19	50.5	.031
3106 10 12	10	12	19	19	50.5	.022
3106 12 14	12	14	22	22	56	.024
3106 12 16	12	16	27	27	61	.066

**3106 Converters Metric to Fractional Inch**

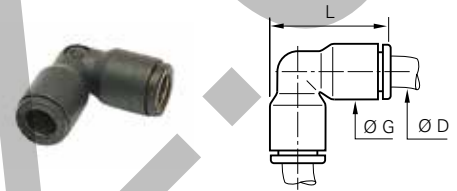
PART NO.	ØD1 IN	ØD2 IN	G2 IN	L IN	W OZ
3106 06 56	6	1/4	.43	1.18	.14
3106 60 10	3/8	10	.78	1.99	.40
3106 12 62	12	1/2	.87	2.25	.95

**3102 Union Elbow Fractional Inch Tube to Tube**

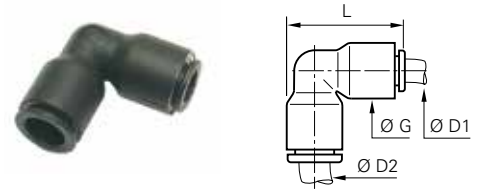
PART NO.	ØD IN	G IN	L IN	W OZ
3102 53 00	1/8	.33	.71	.11
3102 04 00	5/32	.33	.75	.07
3102 55 00	3/16	.43	1.07	.55
3102 56 00	1/4	.43	.93	.15
3102 08 00	5/16	.53	1.16	.25
3102 60 00	3/8	.63	1.33	.41
3102 62 00	1/2	.87	1.83	.65

**3102 Unequal Union Elbow Fractional Inch Tube to Tube**

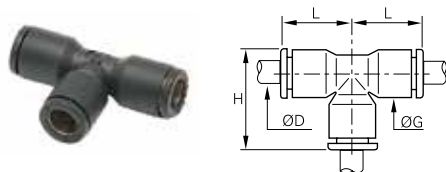
PART NO.	ØD1 IN	ØD2 IN	G1 IN	G2 IN	L IN	W OZ
3102 53 56	1/8	1/4	.43	.93	.93	.20
3102 04 56	5/32	1/4	.43	.93	.93	.25
3102 60 56	3/8	1/4	.63	1.30	1.33	.50
3102 60 62	3/8	1/2	.87	1.81	1.81	.65

**3102 Union Elbow Metric Tube to Tube**

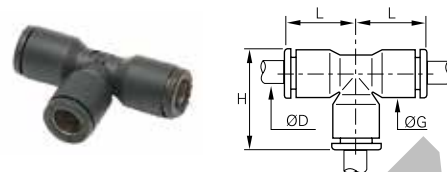
PART NO.	ØD MM	G MM	L MM	W KG
3102 04 00	4	8.5	19	.002
3102 06 00	6	10.5	22.5	.004
3102 08 00	8	13.5	29.5	.007
3102 10 00	10	16	34.5	.015
3102 12 00	12	19	40.5	.017
3102 14 00	14	22	46.5	.045
3102 16 00	16	27	52	.004

**3102 Unequal Union Elbow Metric Tube to Tube**

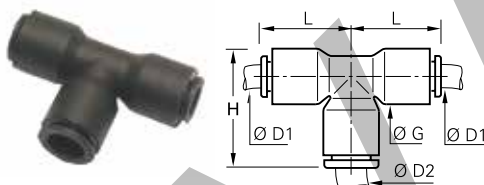
PART NO.	ØD1 MM	ØD2 MM	G MM	L MM	W KG
3102 04 06	4	6	10.5	22.5	.004
3102 06 08	6	8	13.5	29.5	.007
3102 08 10	8	10	16	34.5	.015
3102 10 12	10	12	19	40.5	.017

**3104 Union Tee Inch Tube**

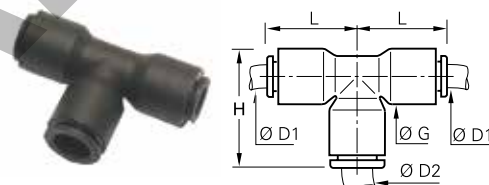
PART NO.	ØD IN	G IN	H IN	L IN	W OZ
3104 53 00	1/8	.33	.75	.57	.15
3104 04 00	5/32	.33	.75	.57	.14
3104 55 00	3/16	.43	1.07	.85	.58
3104 56 00	1/4	.43	.89	.71	.22
3104 08 00	5/16	.53	1.16	.91	.32
3104 60 00	3/8	.63	1.34	1.02	.64
3104 62 00	1/2	.87	1.81	1.38	1.74

**3104 Union Tee Inch Tube to Inch Tube**

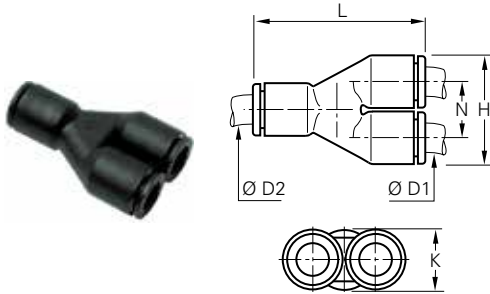
PART NO.	ØD1 IN	ØD2 IN	G IN	H IN	L IN	W KG
3104 53 56	1/8	1/4	.43	.93	.71	.20
3104 04 56	5/32	1/4	.43	.93	.71	.28
3104 56 53	1/4	1/8	.43	.93	.73	.35
3104 56 04	1/4	5/32	.43	.93	.73	.40
3104 56 60	1/4	3/8	.63	1.32	.96	.60
3104 60 56	3/8	1/4	.63	1.28	1.00	.65
3104 60 62	3/8	1/2	.87	1.81	1.38	.70
3104 62 56	1/2	1/4	.87	1.81	1.38	.73
3104 62 60	1/2	3/8	.87	1.81	1.38	.75

**3104 Unequal Union Tee Metric Tube**

PART NO.	ØD MM	G MM	H MM	L MM	W OZ
3104 03 00	3	8.5	19	14.5	.004
3104 04 00	4	8.5	19	14.5	.004
3104 06 00	6	10.5	23.5	18	.006
3104 08 00	8	13.5	29.5	23	.009
3104 10 00	10	16	34.5	26.5	.014
3104 12 00	12	19	40.5	31	.019
3104 14 00	14	22	46	35.5	.024
3104 16 00	16	27	52	39	.029

**3104 Unequal Union Tee Metric Tube to Metric Tube**

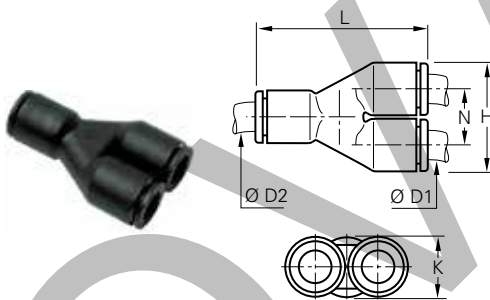
PART NO.	ØD1 MM	ØD2 MM	G MM	H MM	L MM	W KG
3104 04 06	4	6	10.5	22.5	17.5	.006
3104 06 04	6	4	10.5	22.5	17.5	.006
3104 06 08	6	8	13.5	29.5	23	.009
3104 08 06	8	6	13.5	29.5	23	.009
3104 08 10	8	10	16	34.5	26.5	.014
3104 10 08	10	8	16	34.5	26.5	.019
3104 10 12	10	12	19	40.5	31	.019
3104 12 10	12	10	19	40.5	31	.019
3104 14 08	14	8	22	46	35.5	.034
3104 16 12	16	12	27	52.5	39	.036



3140 "Y" Union Fractional Inch Tube to Tube

PART NO.	ØD1 IN	ØD2 IN	H IN	K IN	L IN	NK IN	W OZ
3140 53 00	1/8	1/8	.69	.33	1.12	.35	.16
3140 04 00	5/32	5/32	.69	.34	1.12	.35	.14
3140 55 00	3/16	3/16	.87	.34	1.77	.45	.10
3140 56 00	1/4	1/4	.87	.43	1.42	.45	.24
3140 08 00	5/16	5/16	1.10	.53	1.77	.57	.46
3140 60 00	3/8	3/8	1.30	.63	2.09	.67	.59
3140 62 00	1/2	1/2	1.77	.87	2.64	.91	.99

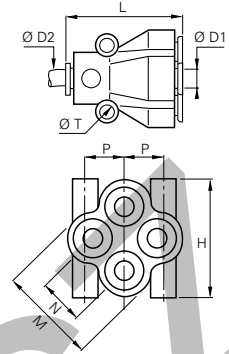
PART NO.	ØD1 IN	ØD2 IN	H IN	K IN	L IN	NK IN	W OZ
3140 53 56	1/8	1/4	.87	.43	1.42	.45	.20
3140 04 56	5/32	1/4	.87	.43	1.42	.45	.43
3140 56 60	1/4	3/8	1.30	.63	1.31	.67	.50



3140 "Y" Union Metric Tube to Tube

PART NO.	ØD1 MM	ØD2 MM	H MM	K MM	L MM	N MM	W KG
3140 04 00	4	4	17.5	8.5	28.5	9	.004
3140 06 00	6	6	21.5	10.5	35	11	.007
3140 08 00	8	8	28	13.5	45	14.5	.013
3140 10 00	10	10	33	16	53	17	.020
3140 12 00	12	12	39	19	57	20	.025

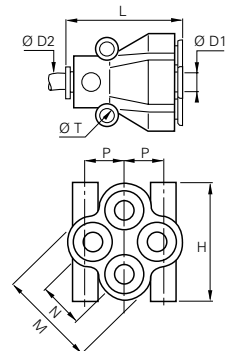
PART NO.	ØD1 MM	ØD2 MM	H MM	K MM	L MM	N MM	W KG
3140 04 06	4	6	17.5	10.5	33	9	.005
3140 06 08	6	8	22.5	13.5	41	11.5	.019
3140 08 10	8	10	28	16	47	14.5	.015
3140 10 12	10	12	33	19	57	17	.022



3144 Double "Y" Union Fractional Inch Tube to Tube

PART NO.	ØD1 IN	ØD2 IN	H IN	L IN	M IN	N IN	P IN	ØT IN	W OZ
3144 04 04	5/32	5/32	1.00	1.20	.83	.39	.34	.15	.95
3144 04 56	5/32	1/4	1.00	1.18	.83	.39	.34	.15	.95

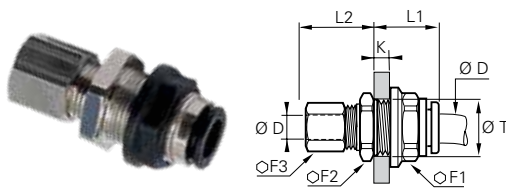
ØT = I.D. of mounting hole (see page A31)



3144 Multiple "Y" Union Metric Tube to Tube

PART NO.	ØD1 MM	ØD2 MM	H MM	L MM	M MM	N MM	P MM	ØT MM	W KG
3144 04 04	4	4	25.5	30.5	21	10	8.5	3.7	.027
3144 06 06	6	6	31.5	37.5	26.5	12	10	3.7	.043
3144 04 06	4	6	25.5	30.5	21	10	8.5	3.7	.027
3144 06 08	6	8	31.5	38	26.5	12	10	3.7	.045

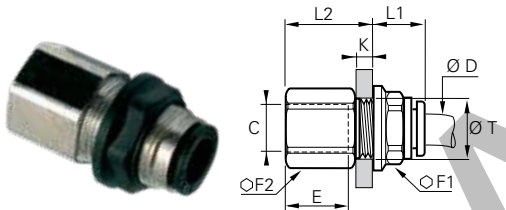
ØT = I.D. of mounting hole (see page A31)



3146 Mixed Bulkhead Connector Metric Tube

PART NO.	ØD MM	F1 MM	F2 MM	F3 MM	K MAX MM	L1 MM	L2 MM	ØT MIN	W OZ
3146 04 00	4	13	13	10	7	17.5	17.5	10.5	.021
3146 06 00	6	15	17	13	8	19	18	12.5	.030
3146 08 00	8	18	19	14	8	20.5	20.5	15.5	.038
3146 10 00	10	22	22	19	8.5	23	24.5	18.5	.071
3146 12 00	12	26	25	22	8.5	27	25	22.5	.086
3146 14 00	14	29	29	24	10.5	27	27	25.5	.125

The plastic nut is fitted with an "O" ring to optimize sealing in relation to the panel.

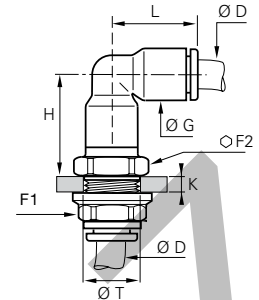


3036/3136 Female Bulkhead Connector Tube to NPT or BSPP

PART NO.	ØD IN	C NPT	E IN	F1 MM	F2 MM	K MAX IN	L1 IN	L2 IN	ØT MIN	W OZ
3036 53 11	1/8	1/8	.37	13	13	.28	.39	.73	.41	.75
3036 04 11	5/32	1/8	.37	13	13	.28	.39	.73	.41	.88
3036 04 14	5/32	1/4	.55	13	16	.32	.39	.95	.41	.99
3036 56 11	1/4	1/8	.37	18	17	.32	.45	.96	.61	1.23
3036 56 14	1/4	1/4	.55	18	17	.32	.45	.91	.61	1.41
3036 60 14	3/8	1/4	.55	22	22	.33	.55	.87	.73	2.57
3036 60 18	3/8	3/8	.55	22	22	.33	.55	1.02	.73	2.65

PART NO.	ØD MM	C BSPP	E MM	F1 MM	F2 MM	K MAX MM	L1 MM	L2 MM	ØT MIN	W KG
3136 04 10	4	G1/8	9.5	13	13	7	17.5	10.5	10.5	.025
3136 04 13	4	G1/4	13.5	16	13	7	17.5	14.5	10.5	.028
3136 06 10	6	G1/8	9.5	15	13	8	19	10.5	12.5	.035
3136 06 13	6	G1/4	13.5	17	13	7	19	14.5	12.5	.040
3136 06 17	6	G3/8	12	15	22	8	19	16	12.5	.041
3136 08 10	8	G1/8	9.5	17	18	8	20.5	10.5	15.5	.048
3136 08 13	8	G1/4	13.5	17	18	8	20.5	14.5	15.5	.055
3136 10 17	10	G3/8	14	22	22	8.5	23	16	20.5	.073
3136 12 17	12	G3/8	14	26	25	8.5	27	16	22.5	.092
3136 12 21	12	G1/2	18.5	26	26	8.5	27	21.5	22.5	.118
3136 16 17	16	G3/8	12	29	29	10.5	30	15	27.5	.008
3136 16 21	16	G1/2	15	29	29	10.5	30	19.5	27.5	.008

The plastic nut is fitted with an "O" ring to optimize sealing in relation to the panel.

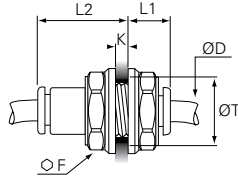


3139 Equal Bulkhead Elbow Tube to Tube

PART NO.	ØD IN	F1 IN	F2 MM	G IN	H IN	K MAX IN	L IN	ØT MIN IN	W OZ
3139 53 00	1/8	13	13	.35	.71	.28	.57	.41	.67
3139 04 00	5/32	13	13	.33	.83	.26	.67	.41	.67
3139 56 00	1/4	18	17	.43	.87	.32	.71	.61	.85
3139 08 00	5/16	18	18	.53	1.22	.31	.94	.61	1.23
3139 60 00	3/8	22	22	.63	1.08	.33	1.00	.73	2.80
3139 62 00	1/2	29	27	.87	1.54	.41	1.38	1.00	4.34

PART NO.	ØD MM	F1 MM	F2 MM	G MM	H MM	K MAX MM	L MM	ØT MIN MM	W KG
3139 04 00	4	13	13	8.5	21	6.5	17	10.5	.019
3139 06 00	6	15	15	10.5	24.5	7	19.5	12.5	.024
3139 08 00	8	18	18	13.5	31	8	24	15.5	.035
3139 10 00	10	22	22	16	36	8.5	28	18.5	.081
3139 12 00	12	26	26	19	42	8.5	33	22.5	.123
3139 14 00	14	29	29	25.5	48	10.5	37.5	25.5	.143

The plastic nut is fitted with an "O" ring to optimize sealing in relation to the panel.

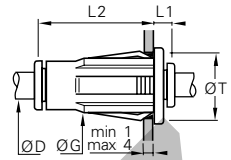
[Click here for CADs, Product Specifications or to Configure Parts Online](#)


3116 Bulkhead Union Tube to Tube

PART NO.	ØD IN	F MM	K MAX IN	L1 IN	L2 IN	ØT MAX IN	W OZ	MAX TORQUE
3116 53 00	1/8	13	.22	.37	.61	.41	.64	11 LB. IN.
3116 55 00	3/16	15	.33	.55	.94	.47	.67	11 LB. IN.
3116 04 00	5/32	13	.22	.59	.39	.41	.67	11 LB. IN.
3116 56 00	1/4	16	.35	.37	.81	.53	.24	13 LB. IN.
3116 08 00	5/16	18	.57	.98	.53	.61	1.16	15 LB. IN.
3116 60 00	3/8	22	.57	.51	1.18	.73	.65	22 LB. IN.
3116 62 00	1/2	29	.81	.67	1.61	1.00	3.60	22 LB. IN.

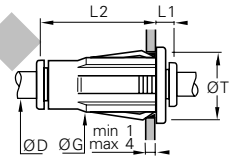
PART NO.	ØD MM	F MM	K MAX IN	L1 IN	L2 IN	ØT MIN MM	W KG
3116 04 00	4	13	5.5	15	10	10.5	.018
3116 06 00	6	15	8.5	18	10.5	12.5	.029
3116 08 00	8	18	14.5	25	13.5	15.5	.037
3116 10 00	10	22	14.5	27.5	15.5	18.5	.084
3116 12 00	12	26	18.5	33	18	22.5	.102
3116 14 00	14	29	20.5	37.5	20.5	25.5	.135

The plastic nut is fitted with an "O" ring to optimize sealing in relation to the panel.



3156 Plug-In Bulkhead Union Fractional Inch Tube to Tube

PART NO.	ØD IN	G IN	L1 IN	L2 IN	ØT MIN IN	W OZ
3156 56 00	1/4	.93	.26	1.24	.75	.41
3156 08 00	5/16	1.02	.30	1.28	.87	.57
3156 60 00	3/8	1.34	.30	1.63	1.12	1.30



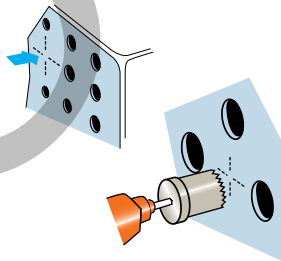
3156 Plug-In Bulkhead Union Metric Tube to Tube

PART NO.	ØD MM	G MM	L1 MM	L2 MM	ØT MIN MM	W KG
3156 06 00	6	9.91	6.60	31.50	19.05	.012
3156 08 00	8	6.60	7.62	32.51	22.10	.0167
3156 12 00	12	36.58	7.62	43.43	31.75	.040

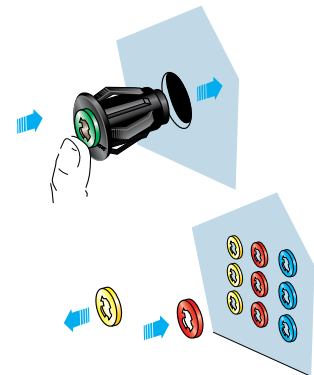
To Facilitate Color Coding, Please Refer To Page A46 For Colored Caps.

Installation

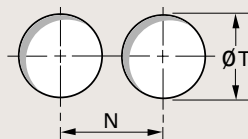
1. Mark out the fixing hole
2. Make hole in panel



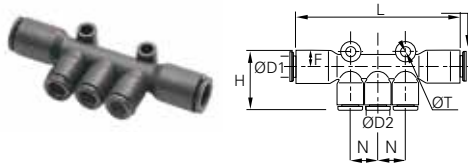
3. Simply push the fitting into place
4. To complete the installation
5. To identify circuits simply remove the black release button and replace with colored one



Minimum distance between fittings.
Diameter of fixing hole.



ØD	5/32	1/4	5/16	3/8	1/2
inches	5/8	3/4	7/8	1 1/8	1 1/4
mm	15.87	19.05	22.22	28.57	31.75
N in .89	1.00	1.08	1.34	1.50	
tolerance ØT	+0.3 -0.1				



3304 Multiple Tee with Mounting Holes

PART NO.	ØD1 IN	ØD2 IN	H IN	L IN	N IN	ØT IN	W OZ
3304 56 04	1/4	5/32	.97	2.81	.45	.17	.81
3304 56 56	1/4	1/4	1.22	3.14	.61	.17	1.00
3304 08 04	5/16	5/32	.96	2.91	.45	.17	1.09
3304 60 56	3/8	1/4	1.34	3.21	.61	.17	2.05

PART NO.	ØD1 IN	ØD2 IN	H MM	L MM	N MM	ØT MM	W KG
3304 06 04	6	4	24.5	74	11.5	4.2	.023
3304 08 04	8	4	24.5	74	11.5	4.2	.031
3304 08 06	8	6	24.5	74	11.5	4.2	.033
3304 10 06	10	6	36	81	14.5	4.2	.058
3304 10 08	10	8	36	81	14.5	4.2	.060

ØT = I.D. of mounting hole



3306 Double Multiple Tee with Mounting Holes

PART NO.	ØD1 IN	ØD2 IN	F IN	G1 IN	G2 IN	H IN	L IN	N IN	M IN	ØT IN	W OZ
3306 56 04	1/4	5/32	.45	.53	.43	.73	2.84	.45	1.69	.17	.85
3306 56 56	1/4	1/4	.45	.53	.43	.73	2.84	.45	1.69	.17	1.25
3306 08 04	5/16	5/32	.45	.53	.43	.77	2.87	.45	1.69	.17	1.13
3306 60 56	3/8	1/4	.51	.63	.53	.91	3.31	.57	2.05	.17	2.30

PART NO.	ØD1 MM	ØD2 MM	F MM	G1 MM	G2 MM	H MM	L MM	N MM	M MM	ØT MM	W KG
3306 06 04	6	4	11.5	13.5	11	18.5	72	11.5	43	4.2	.02
3306 08 04	8	4	11.5	13.5	11	18.5	73	11.5	43	4.2	.03
3306 08 06	8	6	11.5	13.5	11	18.5	73	11.5	43	4.2	.05
3306 10 06	10	6	13	16	13.5	23.0	84	14.5	52	4.2	.06
3306 10 08	10	8	13	16	13.5	23.5	84	14.5	52	4.2	.07

ØT = I.D. of mounting hole



3107 Equal Cross

PART NO.	ØD IN	G IN	H IN	L IN	ØT IN	W OZ
3107 04 00	5/32	.43	1.42	.79	.17	.35
3107 55 00	3/16	.43	1.81	.79	.17	.71
3107 56 00	1/4	.43	1.40	.79	.17	.35
3107 08 00	5/16	.53	1.81	.89	.17	.71

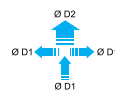
PART NO.	ØD IN	G IN	H IN	L IN	ØT IN	W OZ
3107 04 00	5/32	.43	1.42	.79	.17	.35
3107 55 00	3/16	.43	1.81	.79	.17	.71
3107 56 00	1/4	.43	1.40	.79	.17	.35
3107 08 00	5/16	.53	1.81	.89	.17	.71

ØT = I.D. of mounting hole

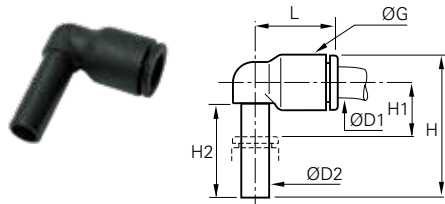


3107 Unequal Cross Metric

PART NO.	ØD1 MM	ØD2 MM	G MM	H MM	L MM	ØT MM	W KG
3107 04 06	4	6	11	36	20	4.2	.010
3107 06 08	6	8	13.5	46	22.5	4.2	.020
3107 06 04*	4	6	11	36	20	4.2	.010
3107 08 06*	6	8	13.5	46	22.5	4.2	.020

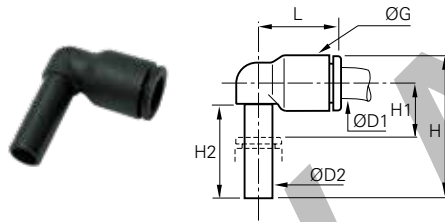


* This model provides three outlets ØD1 of equal diameters and one outlet ØD2 of a different diameter. (ØT = I.D. of mounting hole)



3182 Plug-In Elbow Fractional Inch

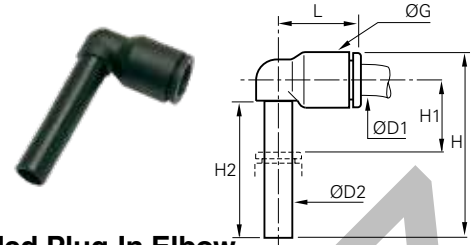
PART NO.	ØD1 IN	ØD2 IN	G IN	H IN	H1 IN	H2 IN	L IN	W OZ
3182 53 00	1/8	1/8	.33	.92	.31	.64	.57	.08
3182 04 00	5/32	5/32	.33	.91	.24	.61	.55	.11
3182 04 56	5/32	1/4	.43	1.08	.30	.71	.71	.20
3182 56 00	1/4	1/4	.43	1.20	.43	.83	.73	.11
3182 56 60	1/4	3/8	.63	1.52	.35	.96	.98	.14
3182 08 00	5/16	5/16	.53	1.32	.32	.85	.91	.14
3182 60 00	3/8	3/8	.63	1.52	.35	.96	1.02	.32
3182 62 00	1/2	1/2	.87	2.00	.51	1.12	1.38	.32



3182 Plug-In Elbow Metric

PART NO.	ØD1 MM	ØD2 MM	G MM	H MM	H1 MM	H2 MM	L MM	W OZ
3182 04 00	4	4	8.5	23	6	15.5	14	.003
3182 06 00	6	6	10.5	26.5	7	17	16	.003
3182 08 00	8	8	13.5	33.5	8	21.5	23	.004
3182 10 00	10	10	16	39	9.5	24.5	23.5	.009
3182 12 00	12	12	19	44.5	10	27.5	31	.012

PART NO.	ØD1 MM	ØD2 MM	G MM	H MM	H1 MM	H2 MM	L MM	W KG
3182 04 06	4	6	10.5	26.5	7	17	16	.003
3182 06 04	6	4	10.5	24.5	7	15.5	16	.003
3182 06 08	6	8	13.5	33.5	8	21.5	22	.004
3182 08 10	8	10	16	39	9.5	24.5	26.5	.009
3182 10 12	10	12	19	44.5	10	27.5	31	.012

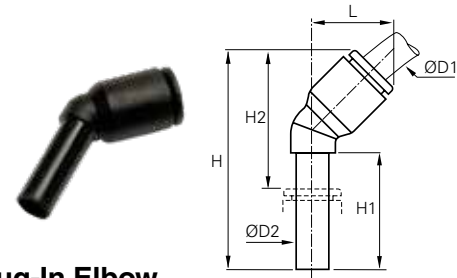


3184 Extended Plug-In Elbow

PART NO.	ØD1 IN	ØD2 IN	G IN	H IN	H1 IN	H2 IN	L IN	W OZ
3184 53 00	1/8	1/8	.33	1.26	.65	.98	.57	.18
3184 04 00	5/32	5/32	.33	1.28	.61	.98	.55	.18
3184 56 00	1/4	1/4	.43	1.56	.77	1.18	.71	.18
3184 08 00	5/16	5/16	.53	1.93	.93	1.46	.91	.21
3184 60 00	3/8	3/8	.63	2.19	1.02	1.63	1.02	.39

PART NO.	ØD1 MM	ØD2 MM	G MM	H MM	H1 MM	H2 MM	L MM	W KG
3184 04 00	4	4	8.5	32.5	15.5	25	14	.005
3184 06 00	6	6	10.5	38.5	19	29	16	.005
3184 08 00	8	8	13.5	49	23.5	37	23	.006
3184 10 00	10	10	16	56	26.5	41.5	26.5	.011
3184 12 00	12	12	19	62.5	28	45.5	31	.014

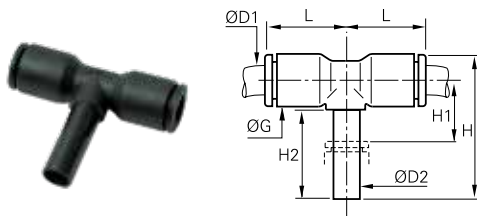
PART NO.	ØD1 MM	ØD2 MM	G MM	H MM	H1 MM	H2 MM	L MM	W KG
3184 04 00	4	4	8.5	32.5	15.5	25	14	.005
3184 06 00	6	6	10.5	38.5	19	29	16	.005
3184 08 00	8	8	13.5	49	23.5	37	23	.006
3184 10 00	10	10	16	56	26.5	41.5	26.5	.011
3184 12 00	12	12	19	62.5	28	45.5	31	.014



3180 - 45° Plug-In Elbow

PART NO.	ØD1 IN	ØD2 IN	H IN	H1 IN	H2 IN	L IN	W OZ
3180 53 00	1/8	1/8	1.14	.59	.69	.47	.18
3180 04 00	5/32	5/32	1.32	.75	.83	.51	.18
3180 56 00	1/4	1/4	1.44	.71	.87	.57	.18
3180 08 00	5/16	5/16	1.73	.85	1.00	.77	.21
3180 60 00	3/8	3/8	2.00	.96	1.16	.91	.32

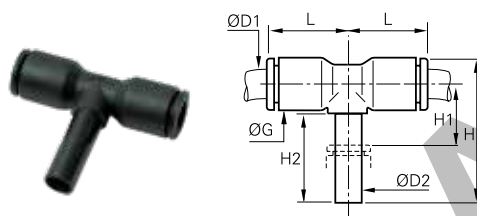
PART NO.	ØD1 MM	ØD2 MM	H MM	H1 MM	H2 MM	L MM	W KG
3180 04 00	4	4	33.5	19	21	13	.005
3180 06 00	6	6	39	21	25	14.5	.005
3180 08 00	8	8	44	21.5	25.5	19.5	.006
3180 10 00	10	10	53	27	32.5	23	.009
3180 12 00	12	12	58.5	27.5	34	26.5	.012

**3188 Plug-In Tee Fractional Inch**

PART NO.	ØD IN	G IN	H IN	H1 IN	H2 IN	L IN	W OZ
3188 53 00	1/8	.33	.95	.26	.59	.57	.083
3188 04 00	5/32	.33	.91	.24	.61	.57	.18
3188 56 00	1/4	.43	.98	.43	.77	.73	.18
3188 08 00	5/16	.53	1.32	.32	.85	.91	.28
3188 60 00	3/8	.63	1.61	.35	.96	.98	.423
3188 62 00	1/2	.87	2.01	.51	1.12	1.38	.600

**3183 Plug-In Run Tee Fractional Inch**

PART NO.	ØD IN	G IN	H IN	H1 IN	H2 IN	L IN	W OZ
3183 04 00	5/32	.33	1.30	.24	.61	.57	.18
3183 56 00	1/4	.43	1.69	.43	.83	.73	.21
3183 08 00	5/16	.53	1.93	.32	.85	.91	.28
3183 60 00	3/8	.63	2.23	.33	.96	1.00	.423
3183 62 00	1/2	.87	2.86	.51	1.12	1.38	.600

**3188 Plug-In Tee Metric**

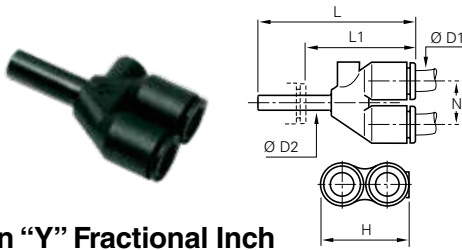
PART NO.	ØD1 MM	ØD2 MM	G MM	H MM	H1 MM	H2 MM	L MM	W KG
3188 04 00	4	4	8.5	23	6	15.5	14.5	.005
3188 06 00	6	6	10.5	26.5	7	17	16	.006
3188 08 00	8	8	13.5	33.5	8	21.5	23	.008
3188 10 00	10	10	16	39	9.5	24.5	26.5	.012
3188 12 00	12	12	19	44.5	10	27.5	31	.017

PART NO.	ØD1 MM	ØD2 MM	G MM	H MM	H1 MM	H2 MM	L MM	W KG
3188 04 06	4	6	10.5	26.5	7	17	16	.006
3188 06 08	6	8	13.5	33.5	8	21.5	23	.007
3188 08 10	8	10	16	39	9.5	24.5	26.5	.011
3188 10 12	10	12	19	44.5	10	27.5	31	.016

**3183 Plug-In Run Tee Metric**

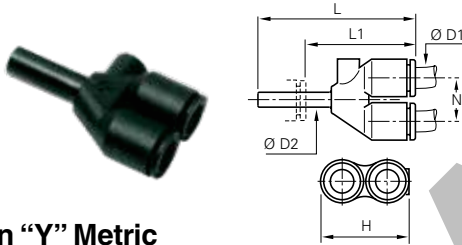
PART NO.	ØD1 MM	ØD2 MM	G MM	H MM	H1 MM	H2 MM	L MM	W KG
3183 04 00	4	4	8.5	33	6	15.5	14.5	.005
3183 06 00	6	6	10.5	38.5	7	17	17.5	.006
3183 08 00	8	8	13.5	49	8	21.5	23	.008
3183 10 00	10	10	16	57	10.5	24.5	26.5	.012
3183 12 00	12	12	19	65.5	10.5	27.5	31	.017

PART NO.	ØD1 MM	ØD2 MM	G MM	H MM	H1 MM	H2 MM	L MM	W KG
3183 04 06	4	6	10.5	38.5	7	17	17.5	.006
3183 06 08	6	8	13.5	48.5	8	21.5	23	.007
3183 08 10	8	10	16	56.5	10.5	24.5	26.5	.011
3183 10 12	10	12	19	65.5	10.5	27.5	31	.016



3142 Plug-In "Y" Fractional Inch

PART NO.	ØD1 IN	ØD2 IN	H IN	L IN	L1 IN	N IN	W OZ
3142 53 00	1/8	1/8	.69	1.36	1.00	.35	.13
3142 04 00	5/32	5/32	.69	1.34	.85	.35	.18
3142 56 00	1/4	1/4	.87	1.60	1.02	.45	.282
3142 08 00	5/16	5/16	1.10	2.00	1.26	.57	.49
3142 60 00	3/8	3/8	1.30	2.23	1.42	.67	.741



3142 Plug-In "Y" Metric

PART NO.	ØD1 IN	ØD2 IN	H MM	L MM	L1 MM	N MM	W KG
3142 04 00	4	4	17.5	34	21.5	9	.005
3142 06 00	6	6	21.5	39.5	25.5	11	.008
3142 08 00	8	8	28	50.5	32	14.5	.014
3142 10 00	10	10	33	57.5	36	17	.021
3142 12 00	12	12	39	66	41	20	.026

PART NO.	ØD1 IN	ØD2 IN	H MM	L MM	L1 MM	N MM	W KG
3142 04 06*	4	6	17.5	35.5	21.5	9	.005
3142 06 08*	6	8	22	44.5	26	11	.008
3142 08 10*	8	10	28	53.5	32	14.5	.014
3142 10 12*	10	12	33	60	35	17	.021

* one inlet (ØD2) and two equal outlets (ØD1)



3143 Plug-In Multiple "Y" Metric

PART NO.	ØD1 IN	ØD2 IN	H MM	L MM	L1 MM	M MM	N MM	P MM	W KG
3143 04 06*	4	6	25.5	45	31	21	10	8.5	.027
3143 04 08*	4	8	25.5	49.5	31	21	10	8.5	.026
3143 06 08*	6	8	31.5	59.5	41	26.5	10	12	.040

* one inlet (ØD2) and four equal outlets (ØD1)



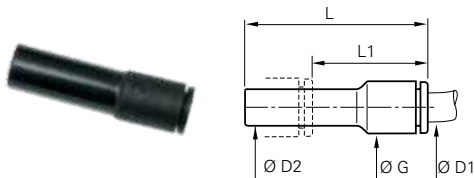
3120 Double Male Union Fractional Inch

PART NO.	ØD1 IN	L IN	L1 IN	W OZ
3120 04 00	5/32	1.36	.47	.04
3120 56 00	1/4	1.52	.57	.03
3120 08 00	5/16	1.61	.73	.07
3120 60 00	3/8	2.03	.81	.07

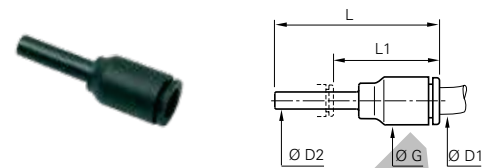


3120 Double Male Union Metric

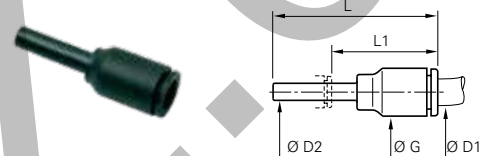
PART NO.	ØD MM	L MM	L1 MM	W KG
3120 04 00	4	34.5	12	.001
3120 06 00	6	38.5	14	.001
3120 08 00	8	41	18.5	.002
3120 10 00	10	51.5	20.5	.003
3120 12 00	12	60	24.5	.004
3120 14 00	14	69.5	25.5	.005

**3166 Reducer Fractional Inch**

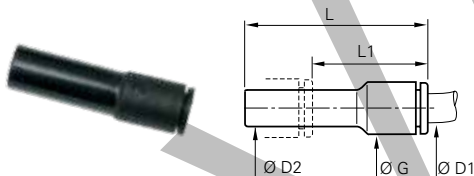
PART NO.	ØD1 IN	ØD2 IN	G IN	L IN	L1 IN	W OZ
3166 53 04	1/8	5/32	.43	1.79	1.32	.28
3166 53 55	1/8	3/16	.43	1.79	1.14	.28
3166 53 56	1/8	1/4	.43	1.79	1.22	.29
3166 04 55	5/32	3/16	.34	1.48	.83	.11
3166 04 56	5/32	1/4	.34	1.48	.91	.09
3166 04 08	5/32	5/16	.34	1.48	.75	.14
3166 04 60	5/32	3/8	.43	1.61	.81	.35
3166 55 08	3/16	5/16	.43	1.79	1.06	.19
3166 55 56	3/16	1/4	.43	1.79	1.22	.22
3166 56 08	1/4	5/16	.43	1.61	.89	.12
3166 56 60	1/4	3/8	.43	1.61	.81	.13
3166 56 62	1/4	1/2	.63	1.97	.98	.30
3166 08 60	5/16	3/8	.53	1.93	1.12	.21
3166 08 62	5/16	1/2	.63	2.01	1.02	.29
3166 60 62	3/8	1/2	.63	2.01	1.04	.31

**3168 Expander Fractional Inch**

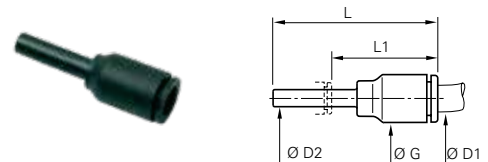
PART NO.	ØD1 IN	ØD2 IN	G IN	L IN	L1 IN	W OZ
3168 56 53	1/4	1/8	.43	1.61	1.16	.08
3168 56 06	1/4	6MM	.53	1.75	1.02	.11
3168 56 04	1/4	5/32	.43	1.61	1.14	.11
3168 56 55	1/4	3/16	.81	1.61	1.00	.12
3168 60 56	3/8	1/4	.63	1.58	1.00	.14

**3168 Expander Metric**

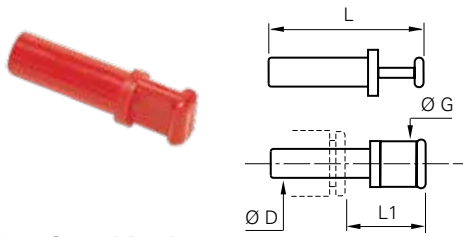
PART NO.	ØD1 MM	ØD2 MM	G MM	L MM	L1 MM	W KG
3168 06 04	6	4	10.5	35	23	.003
3168 08 06	8	6	13.5	45	31.5	.005
3168 10 08	10	8	16	42.5	21	.009
3168 12 10	12	10	19	49	24.5	.019

**3166 Reducer Metric**

PART NO.	ØD1 MM	ØD2 MM	G MM	L MM	L1 MM	W KG
3166 03 04	3	4	8.5	37.5	23.5	.004
3166 04 06	4	6	8.5	37.5	23.5	.004
3166 04 08	4	8	8.5	37.5	19	.004
3166 04 10	4	10	12	44	22.5	.005
3166 06 08	6	8	10.5	36	20.5	.004
3166 06 10	6	10	10.5	38	17.5	.006
3166 06 12	6	12	14.5	46	23	.007
3166 06 14	6	14	14.5	48	23	.008
3166 08 10	8	10	13.5	49	28.5	.009
3166 08 12	8	12	13.5	49	24.5	.010
3166 08 14	8	14	17	48	23	.010
3166 10 12	10	12	21.5	56.5	33.5	.019
3166 10 14	10	14	21.5	58.5	33.5	.020
3166 12 14	12	14	23.5	58.5	33.5	.023

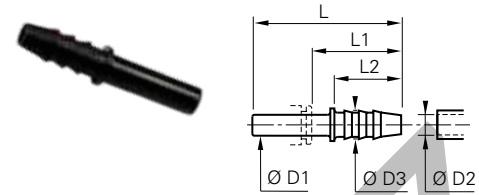
**3168 Converter Metric to Fractional Inch**

PART NO.	ØD1 MM	ØD2 IN	G IN	L IN	L1 IN	1 KG
3168 04 53	4	1/8	.43	1.61	1.16	.08
3168 08 56	8	1/4	.63	1.58	1.00	.12



3126 Plug Fractional Inch

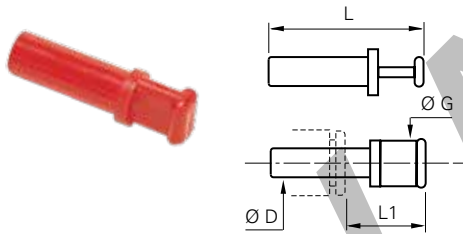
PART NO.	ØD IN	G IN	L IN	L1 IN	W OZ
3126 53 00	1/8	.24	1.30	.85	.05
3126 04 00	5/32	.16	1.18	.61	.04
3126 55 00	3/16	.27	1.36	.79	.06
3126 56 00	1/4	.32	1.44	.87	.06
3126 08 00	5/16	.39	1.38	.69	.07
3126 60 00	3/8	.46	1.67	.87	.10
3126 62 00	1/2	.58	1.91	.85	.18



3122 Barbed Connector Fractional Inch

PART NO.	ØD1 MM	ØD2 MM	ØD3 MM	L IN	L1 IN	L2 IN	W OZ
3122 04 53	5/32	.12	.20	1.46	.98	.67	.11
3122 04 05	5/32	.20	.28	1.46	.98	.67	.11
3122 56 55*	1/4	3/16	.27	1.65	1.00	.67	.21
3122 08 56	5/16	.25	.34	1.55	.83	.67	.04
3122 08 08	5/16	.32	.39	1.75	1.02	.87	.04
3122 60 08	3/8	.32	.39	1.97	1.16	.87	.11

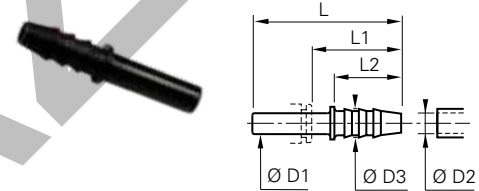
Dimensions for ØD2 are I.D. of the tube



3126 Plug Metric

PART NO.	ØD MM	G MM	L MM	L1 MM	W KG
3126 03 00	3	6	25	13.5	.001
3126 04 00	4	4	30	15.5	.001
3126 06 00	6	8	33	16.5	.001
3126 08 00	8	10	33	17.5	.002
3126 10 00	10	12	42	21	.003
3126 12 00	12	14	45	22	.004
3126 14 00	14	16	49	23.5	.005
3126 16 00*	16	19	57	30	.006

*Nickel-plated brass



3122 Barbed Connector Metric

PART NO.	ØD1 MM	ØD2 MM	ØD3 MM	L MM	L1 MM	L2 MM	W KG
3122 04 53	4	3.2	5	37	25	17	.002
3122 04 05	4	5	7	37	25	17	.003
3122 06 05	6	5	7	39	25	17	.004
3122 08 56	8	6.3	8.5	39.5	21	17	.005
3122 08 08	8	8	10	44.5	26	22	.005
3122 10 56	10	6.3	8	45	24.5	17	.005
3122 10 08	10	8	10	50	29.5	22	.006
3122 12 08	12	8	10	50	26	22	.008
3122 12 10	12	10	12	48.5	25.5	22.5	.014
3122 12 62	12	12.5	14.5	57	34	22.5	.019
3122 14 62	14	12.5	14.5	59.5	34.5	22.5	.022

Dimensions for ØD2 are I.D. of the tube