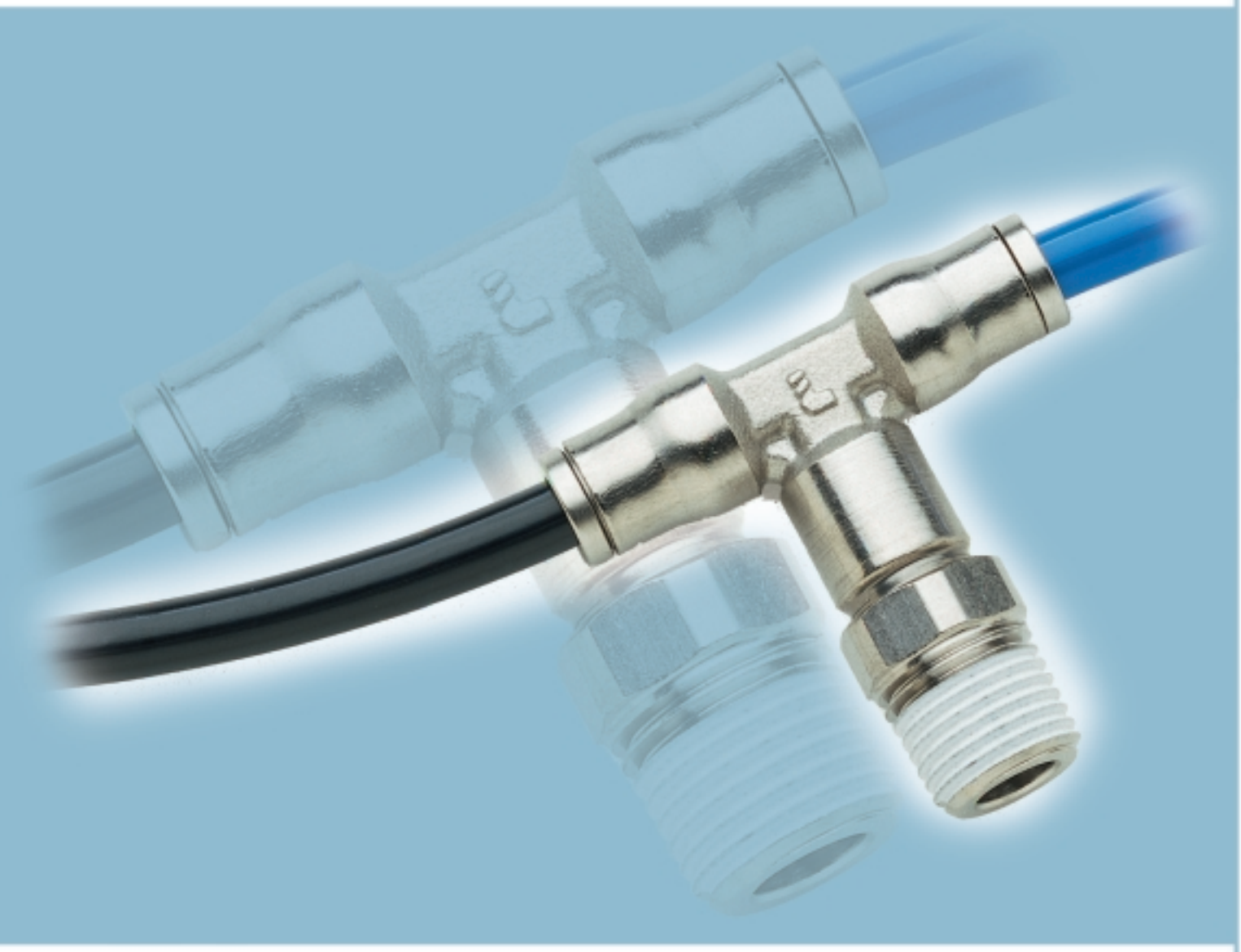
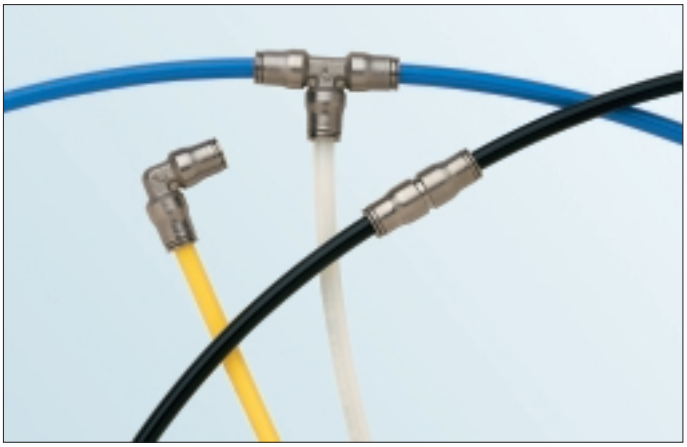
nickel-plated brass push-to-connect fittings for industrial applications system LF3200



legris connectic

principle of system LF3200



Legris has put its years of experience as a leader in the connection market into the development of this performing brass push-to-connect forged fitting. The LF3200 range provides pneumatic connections in aggressive applications and harsh environments.

LF3200 is suitable for compressed air (lubricated or non-lubricated). The fitting is designed to perform in particularly harsh (e.g. weld-splatter) or abusive (e.g. steel-toed boot) environments. Tubing compatibility: Polyurethane and Nylon. Metal tubing may be used with specific preparation.

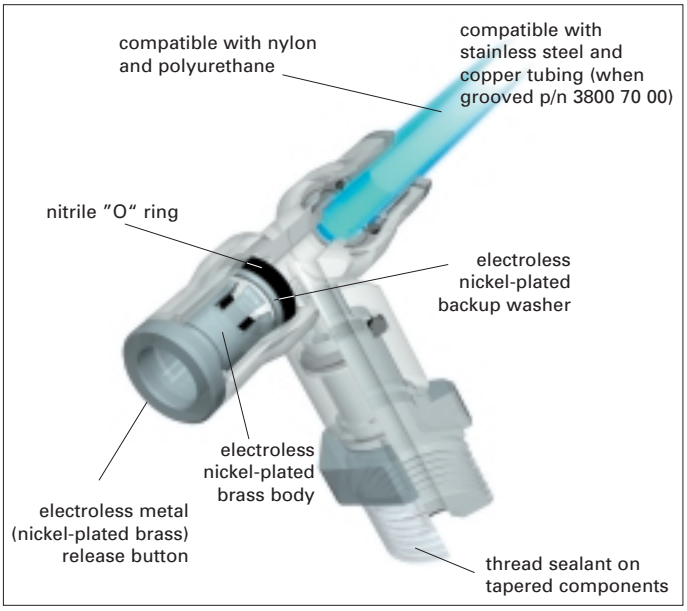
Chemical Nickel-Plating: For applications where the fitting is exposed to aggressive environments, better plating is required. Legris uses high phosphorous electroless nickel-plating for the LF3200 fitting range.

The electroless nickel-plating has a dull, flat finish. It adheres to more of the surface, such as in the root of the threads and grooves of the collet. It has better resistance to water, harsh detergents and other aggressive fluids and environments. As a result, the LF3200 series offers superior chemical, corrosion and abrasive resistance.

Metal Button: The LF3200 utilizes a metal release button more appropriate for harsh and abusive environments.

technical specifications

This depends on the nature and thickness of the tube, surrounding temperature and that of the fluid used.

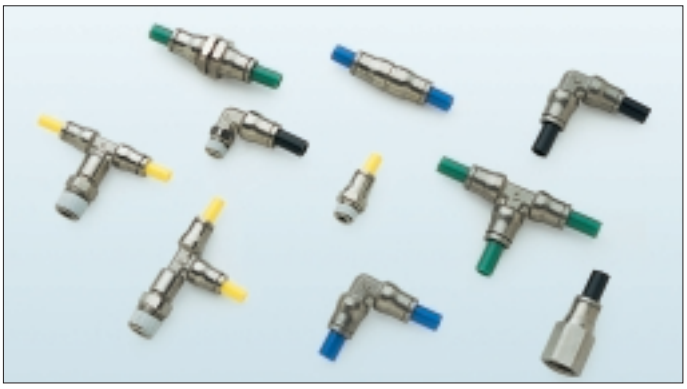


All items in the LF3200 range are SILICONE FREE

suitable fluids	compressed air							
working pressure	up to 290 psi							
working temperature	5°F to 180°F							
materials of construction	**body:** electroless nickel-plated brass **"O" ring:** nitrile **backup washer:** electroless nickel-plated brass **base:** electroless nickel-plated brass with thread sealant on tapered components							
maximum tightening torque for LF3200 fittings:	UNF & NPT thread	UNF	1/8"	1/4"	3/8"	1/2"		
	in. lb	13	70	100	250	308		

advantages system LF3200

for compressed air

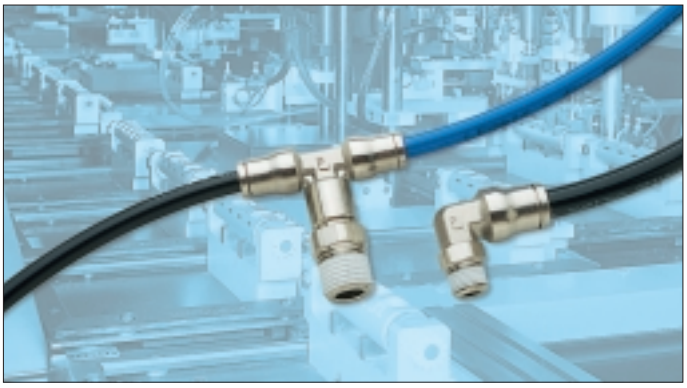


resistance to aggressive environments and fluids

- high phosphorous electroless nickel-plating
- all nickel-plated construction
  - body
  - push button
  - base
  - backup washer

tried and tested technology

- instant manual connection and disconnection – no tools required

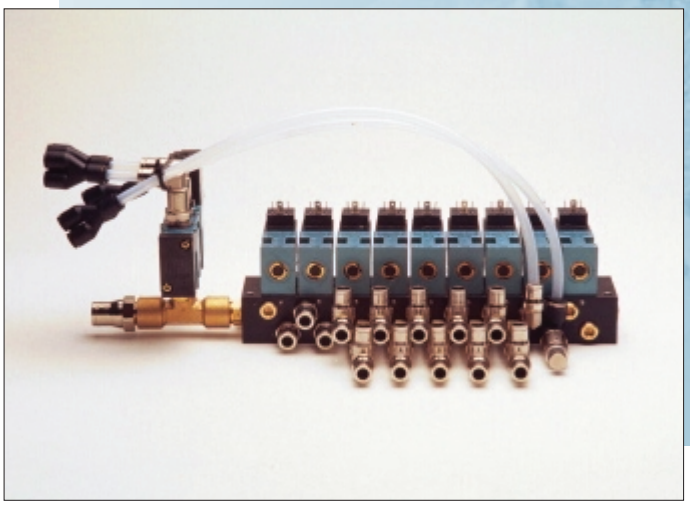


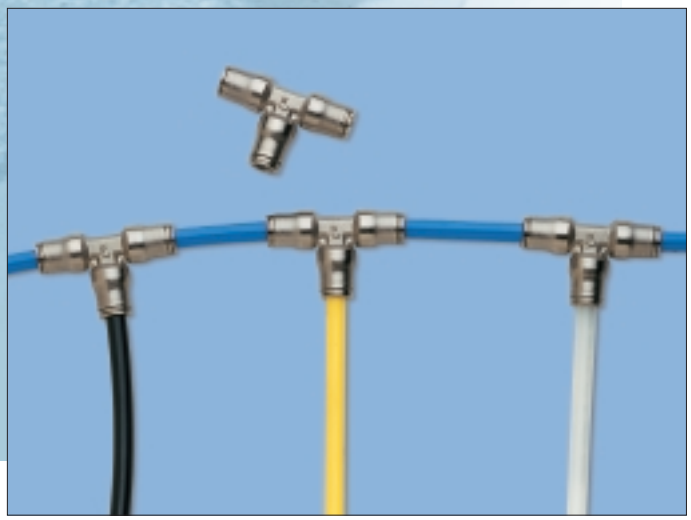
industrial applications

- LF3200 is suitable for many applications such as:
  - robotics
  - packaging equipment/machines
  - textile machinery
  - semi-conductor equipment
  - auto process (within auto industry)
  - pulp and paper
  - printing

compatible tubing

- semi-rigid nylon
- flexible polyurethane





the complete range of LF3200 push-to-connect fittings

threaded fittings

3275
taper
Page C6

3201
UNF
Page C6

3215
taper
Page C6

3209
taper
Page C7

3299
UNF
Page C7

3208
taper
Page C8

3298
UNF
Page C8

3203
taper
Page C8

3293
UNF
Page C8

tube to tube fittings

3206
Page C9

3202
Page C9

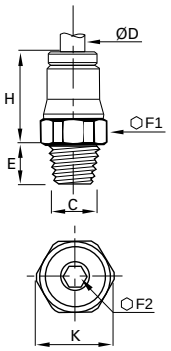
3204
Page C9

3216
Page C9

3266
Page C9

3275 male connector — fractional inch tube to NPT

nickel-plated brass
pre-applied thread sealant

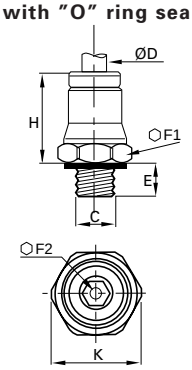


internal hexagon

ØD in	C NPT		E in	F1 mm	F2 mm	H in	K in	oz
5/32	1/8	3275 04 11	.30	13	3	.59	.47	.34
5/32	1/4	3275 04 14	.43	14	3	.59	.59	.61
1/4	1/8	3275 56 11	.30	13	4	.67	.55	.42
1/4	1/4	3275 56 14	.43	14	4	.67	.59	.62
1/4	3/8	3275 56 18	.45	18	5	.67	.77	1.00
3/8	1/8	3275 60 11	.30	18	4	.97	.77	.89
3/8	1/4	3275 60 14	.43	18	7	.95	.77	1.04
3/8	3/8	3275 60 18	.45	18	8	.91	.77	1.16
3/8	1/2	3275 60 22	.59	22	8	.95	.94	2.03
1/2	1/4	3275 62 14	.43	22	7	.95	.94	1.42
1/2	3/8	3275 62 18	.45	22	9	.95	.94	1.49
1/2	1/2	3275 62 22	.59	22	10	.95	.94	1.77

3201 male connector — fractional inch tube to UNF

nickel-plated brass
with "O" ring seal

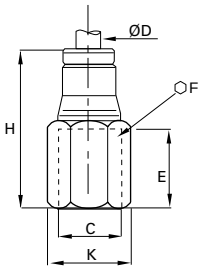


internal hexagon

ØD in	C UNF		E in	F1 mm	F2 mm	H in	K in	oz
5/32	10-32	3201 04 20	.13	10	2.5	.63	.43	.28
1/4	10-32	3201 56 20	.13	13	2.5	.79	.55	.35

3215 female connector — fractional inch tube to NPT

nickel-plated brass

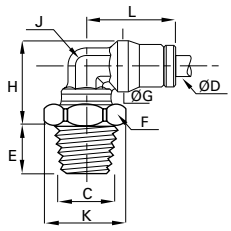


internal hexagon

ØD in	C NPT		E in	F mm	H in	K in	oz
5/32	1/8	3215 04 11	.37	14	.98	.59	.60
5/32	1/4	3215 04 14	.55	17	1.16	.73	1.02
1/4	1/8	3215 56 11	.37	14	1.10	.59	.55
1/4	1/4	3215 56 14	.55	17	1.28	.73	1.15
3/8	1/4	3215 60 14	.55	17	1.50	.73	1.32
3/8	3/8	3215 60 18	.55	22	1.50	.94	1.97
1/2	3/8	3215 62 18	.55	22	1.52	.94	2.42
1/2	1/2	3215 62 22	.73	24	1.67	1.02	2.42

3209 male elbow — fractional inch tube to NPT

nickel-plated brass
pre-applied thread sealant

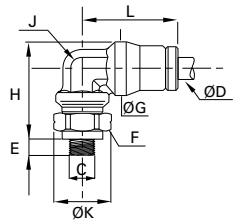


fitting will orientate about the body for positioning purposes

ØD in	C NPT		E in	F mm	G in	H in	J in	K in	L in	oz
5/32	1/8	3209 04 11	.30	13	.39	.59	.28	.47	.71	.47
5/32	1/4	3209 04 14	.43	14	.39	.67	.28	.59	.71	.71
1/4	1/8	3209 56 11	.30	13	.49	.69	.32	.47	.87	.62
1/4	1/4	3209 56 14	.43	14	.49	.75	.32	.59	.87	.81
1/4	3/8	3209 56 18	.45	18	.49	.75	.32	.77	.87	1.12
3/8	1/8	3209 60 11	.30	13	.67	.93	.47	.47	1.14	1.29
3/8	1/4	3209 60 14	.43	15	.67	.93	.47	.63	1.14	1.40
3/8	3/8	3209 60 18	.45	18	.67	1.02	.47	.77	1.14	1.57
3/8	1/2	3209 60 22	.59	22	.67	1.06	.47	.94	1.14	2.27
1/2	1/4	3209 62 14	.43	15	.79	1.14	.59	.63	1.22	1.65
1/2	3/8	3209 62 18	.45	18	.79	1.14	.59	.77	1.22	1.90
1/2	1/2	3209 62 22	.59	22	.79	1.14	.59	.94	1.22	2.41

3299 male elbow — fractional inch tube to UNF

nickel-plated brass
with "O" ring seal

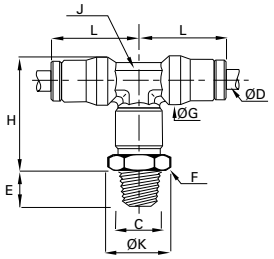


fitting will orientate about the body for positioning purposes

ØD in	C UNF		E in	F mm	G in	H in	J in	K in	L in	oz
5/32	10-32	3299 04 20	.13	10	.39	.71	.28	.43	.71	.39

3208 male branch tee — fractional inch tube to NPT to tube

nickel-plated brass
pre-applied thread sealant

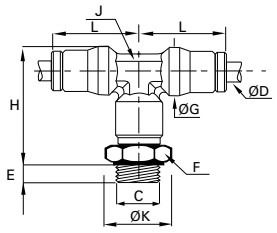


fitting will orientate about the body for positioning purposes

ØD in	C NPT		E in	F mm	G in	H in	J in	K in	L in	oz
5/32	1/8	3208 04 11	.30	13	.39	.97	.28	.47	.71	.71
5/32	1/4	3208 04 14	.43	14	.39	1.04	.28	.60	.71	1.07
1/4	1/8	3208 56 11	.30	13	.49	1.18	.32	.55	.87	1.16
1/4	1/4	3208 56 14	.43	14	.49	1.22	.32	.60	.87	1.38
1/4	3/8	3208 56 18	.45	18	.49	1.22	.32	.77	.87	1.60
3/8	1/4	3208 60 14	.43	18	.67	1.54	.47	.77	1.14	2.57
3/8	3/8	3208 60 18	.45	18	.67	1.61	.47	.77	1.14	2.82
3/8	1/2	3208 60 22	.59	22	.67	1.61	.47	.94	1.14	3.29
1/2	1/4	3208 62 14	.43	18	.79	1.61	.59	.94	1.22	3.12
1/2	3/8	3208 62 18	.45	22	.79	1.85	.59	.94	1.22	3.53
1/2	1/2	3208 62 22	.59	22	.79	1.89	.59	.94	1.22	4.00

3298 male branch tee — fractional inch tube to UNF to tube

nickel-plated brass
with "O" ring seal

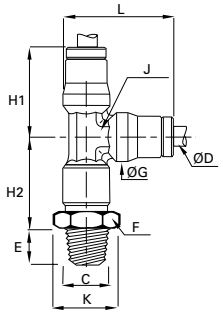


fitting will orientate about the body for positioning purposes

ØD in	C UNF		E in	F mm	G in	H in	J in	K in	L in	oz
5/32	10-32	3298 04 20	.13	10	.39	1.00	.28	.47	.71	.69

3203 male run tee — fractional inch tube to tube to NPT

nickel-plated brass
pre-applied thread sealant

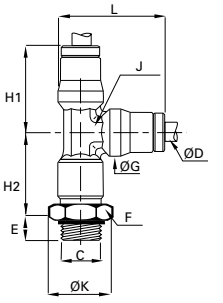


fitting will orientate about the body for positioning purposes

ØD in	C NPT		E in	F mm	G in	H1 in	H2 in	J in	K in	L in	oz
5/32	1/8	3203 04 11	.30	13	.39	.71	.77	.28	.47	.91	.71
5/32	1/4	3203 04 14	.43	14	.39	.71	.85	.28	.59	.91	1.07
1/4	1/8	3203 56 11	.30	13	.49	.87	.93	.32	.55	1.12	1.16
1/4	1/4	3203 56 14	.43	14	.49	.87	.97	.32	.59	1.12	1.38
1/4	3/8	3203 56 18	.45	18	.49	.87	.97	.32	.77	1.12	1.60
3/8	1/4	3203 60 14	.43	18	.67	1.14	1.20	.47	.77	1.48	2.57
3/8	3/8	3203 60 18	.45	18	.67	1.14	1.28	.47	.77	1.48	2.82
3/8	1/2	3203 60 22	.59	22	.67	1.14	1.28	.47	.94	1.48	3.29
1/2	1/4	3203 62 14	.43	18	.79	1.22	1.46	.59	.94	1.61	3.27
1/2	3/8	3203 62 18	.45	22	.79	1.22	1.46	.59	.94	1.61	3.53
1/2	1/2	3203 62 22	.59	22	.79	1.22	1.50	.59	.94	1.61	4.00

3293 male run tee — fractional inch tube to tube to UNF

nickel-plated brass
with "O" ring seal

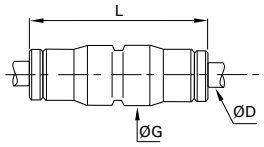


fitting will orientate about the body for positioning purposes

ØD in	C UNF		E in	F mm	G in	H1 in	H2 in	J in	K in	L in	oz
5/32	10-32	3293 04 20	.13	10	.39	.71	.81	.28	.47	.91	.69

3206 straight union — fractional inch tube to tube

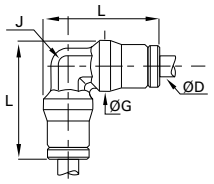
nickel-plated brass



ØD in		G in	L in	oz
5/32	3206 04 00	.39	1.20	.35
1/4	3206 56 00	.49	1.44	.58
5/16	3206 08 00	.59	1.48	.76
3/8	3206 60 00	.67	1.87	1.31
1/2	3206 62 00	.79	1.89	1.49

3202 union elbow — fractional inch tube to tube

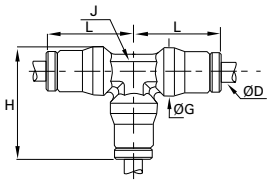
nickel-plated brass



ØD in		G in	J in	L in	oz
5/32	3202 04 00	.39	.28	.91	.37
1/4	3202 56 00	.49	.32	1.12	.60
5/16	3202 08 00	.59	.39	1.22	.81
3/8	3202 60 00	.67	.47	1.48	1.39
1/2	3202 62 00	.79	.59	1.61	1.71

3204 union tee — fractional inch tube to tube to tube

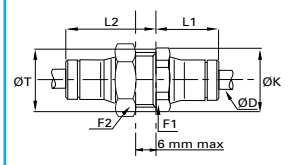
nickel-plated brass



ØD in		G in	H in	J in	L in	oz
5/32	3204 04 00	.39	.91	.28	.71	.52
1/4	3204 56 00	.49	1.12	.32	.87	.89
5/16	3204 08 00	.59	1.22	.39	.93	1.13
3/8	3204 60 00	.67	1.48	.47	1.14	1.99
1/2	3204 62 00	.79	1.61	.59	1.22	2.31

3216 bulkhead connector — fractional inch tube to tube

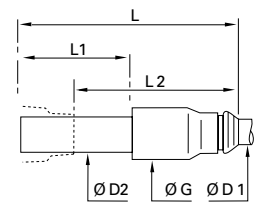
nickel-plated brass



ØD in		F1 mm	F2 mm	K in	L1 in	L2 in	T in	oz
5/32	3216 04 00	13	14	.55	.55	.79	.49	.69
1/4	3216 56 00	16	17	.69	.67	.89	.59	1.00
5/16	3216 08 00	18	19	.77	.73	.93	.67	1.27
3/8	3216 60 00	22	27	.95	.87	1.10	.85	2.22
1/2	3216 62 00	24	24	1.02	.89	1.14	1.04	2.97

3266 plug-in reducer — fractional inch

nickel-plated brass



ØD1 in	ØD2 in		G in	L in	L1 in	L2 in	oz
5/32	1/4	3266 04 56	.39	1.36	.75	.69	.27
5/32	5/16	3266 04 08	.39	1.40	.79	.71	.35
1/4	3/8	3266 56 60	.49	1.46	.79	.77	.54
1/4	1/2	3266 56 62	.49	1.71	.98	.83	.55
3/8	1/2	3266 60 62	.67	1.97	1.02	1.04	1.26