



EM TECHNIK SERIES 3G Glass Transition Fittings



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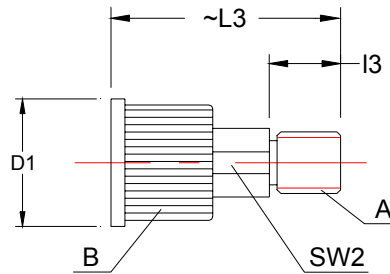
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The Wet Process People



GL Union nut x G thread

Part Number: 3G0031.45



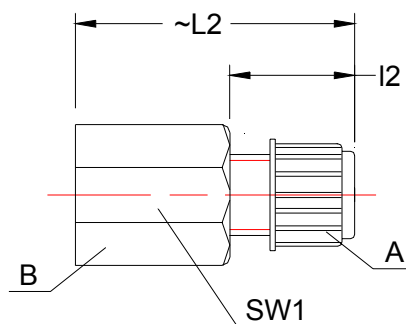
Materials: PP, PVDF, PTFE

Size A	Size B (GL)	D1 inches (mm)	I3 inches (mm)	L3 inches (mm)	SW3 inches (mm)
1/8"	18	(24)	(8)	(44)	(11)
	25	(33)		(50)	(14)
	32	(42)		(54)	(18)
1/4"	25	(33)	(12)	(52)	(14)
	32	(42)		(58)	(18)
	45	(55)		(62)	(28)
3/8"	32	(42)		(58)	(18)
	45	(55)		(62)	(28)
	45	(55)	(14)	(64)	(28)



GL Connection x 1A Compression Fitting
Series 1A is a Flexible Tube Connection

Part Number: 3G1100.44



Materials: PP, PVDF, PFA

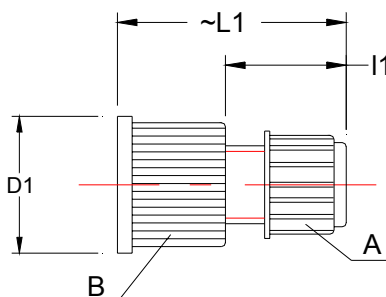
Size A	Size B (GL)	L2 inches(mm)	I2 inches (mm)	SW1 inches (mm)
4/6	14	(36)	(17)	(17)
	18	(38)		(22)
6/8	14	(39)	(20)	(17)
	18	(41)		(22)
6/10	14	(39)		(17)
	18	(41)		(22)
8/10	14	(41)	(21)	(19)
	18	(43)		(22)
8/12	14	(41)		(19)
	18	(43)		(22)
10/12	14	(44)	(25)	(22)
	18	(46)		(22)
12/14	14	(44)		(24)
	18	(46)		(24)
12/16*	14	(44)		(24)
	18	(46)		(24)
14/16*	14	(46)	(28)	(27)
	18	(48)		(27)
14/18*	14	(46)		(27)
	18	(48)		(27)

*not available in PFA



GL Union Nut x 1A Compression Fitting Series 1A is a Flexible Tube Connector

Part number: 3G1100.45



Materials: PP, PVDF, PFA

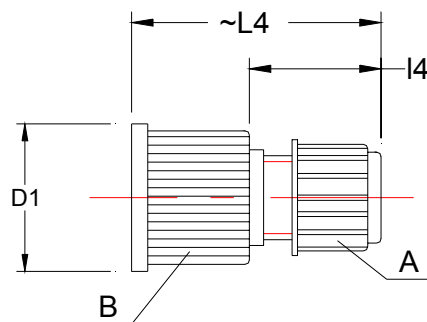
Size A	Size B (GL)	D1 inches (mm)	L1 inches (mm)	I1 inches (mm)
4/6	14	0.790 (20)	(35)	(18)
	18	(24)	(39)	(19)
	25	(33)	(43)	0.790 (20)
6/8	32	(42)	(54)	(28)
	25	(33)	(43)	0.790 (20)
6/10	32	(42)	(46)	(23)
	25	(33)	(43)	0.790 (20)
8/10	32	(42)	(46)	(23)
	25	(33)	(54)	(31)
8/12	32	(42)	(59)	(33)
	25	(33)	(54)	(31)
10/12	32	(42)	(59)	(33)
	25	(33)	(60)	(34)
10/14	32	(42)	(62)	(36)
	25	(33)	(62)	(36)
12/14	32	(42)	(61)	(35)
12/16*	32	(42)	(61)	(35)
14/16*	32	(42)	(65)	(39)

*not available in PFA



GL Union Nut x 2M Compression Fitting
2M is a Small diameter tube connection

Part number: 3G2100.45



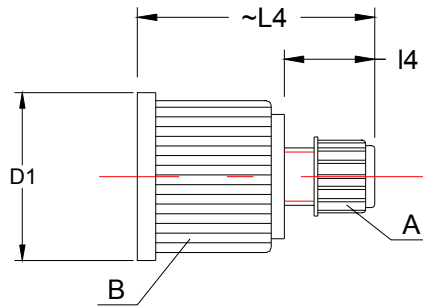
Materials: PVDF, PFA

Size A	Size B (GL)	D1 inches (mm)	L4 inches (mm)	I4 inches (mm)
0.7-1	14	(20)	(44)	(27)
	18	(24)	(48)	(28)
1.1-2	14	(20)	(44)	(27)
	18	(24)	(48)	(28)
2.1-4	14	(20)	(44)	(27)
	18	(24)	(48)	(28)
4.1-6.4	14	(20)	(44)	(27)
	18	(24)	(48)	(28)



GL Union Nut x 2T connector
Series 2T is Small Diameter pass through fitting connection

Part number: 3G2130.45



Materials: PVDF, PFA

Size A	Size B (GL)	D1 inches (mm)	L4 inches (mm)	I4 inches (mm)
0.7-1	14	(20)	(44)	(27)
	18	(24)	(48)	(28)
1.1-2	14	(20)	(44)	(27)
	18	(24)	(48)	(28)
2.1-4	14	(20)	(44)	(27)
	18	(24)	(48)	(28)
4.1-6.4	14	(20)	(44)	(27)
	18	(24)	(48)	(28)



Technical Data

Pressure Rating Factor Chart

Temperature		Polypropylene 150 psi PN 10	PVDF 150 psi PN 10	PFA 150 psi PN 10
°C	°F			
20	68	1.00	1.00	1.00
30	86	0.80	0.80	0.90
40	104	0.70	0.70	0.85
50	122	0.60	0.60	0.80
60	140	0.50	0.50	0.70
70	158	0.40	0.45	0.60
80	176	0.30	0.40	0.50
90	194	0.25	0.35	0.45
100	212	0.20	0.35	0.40
110	230	-	0.30	0.35
120	248	-	0.25	0.30
130	266	-	0.25	0.30
140	284	-	0.25	0.25

Multiply the factor by the maximum pressure rating to determine pressure rating at any temperature

O rings

For Male G thread Connections

Size	EPDM	Viton	Cal Rez
1/8"	✓	✓	✓
1/4"	✓	✓	✓
3/8"	✓	✓	✓
1/2"	✓	✓	✓
3/4"	✓	✓	✓
1"	✓	✓	✓