

Process Valves and Fittings

Tube Fittings, Tubes and Pipes

From 160bar - 4.137bar

Stainless Steel - Carbon Steel

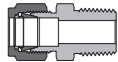
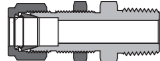
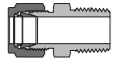
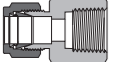
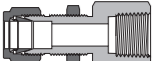
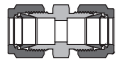

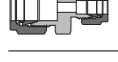
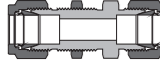
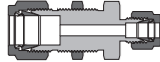




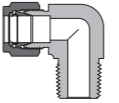
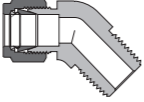
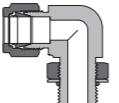
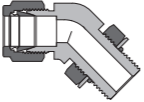
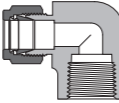
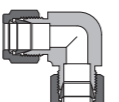
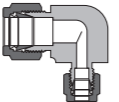
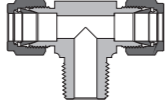
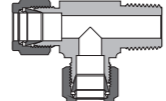
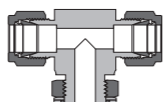
Approved by ABS , DNV , GOST

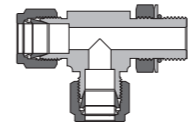
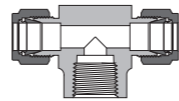
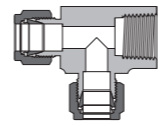
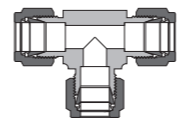
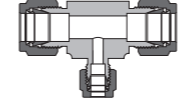
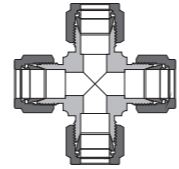



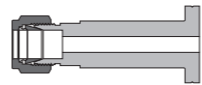











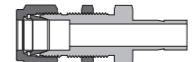
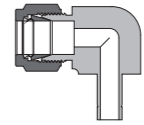
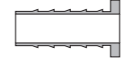
J.BELLOS & Co.
Fluid power & Industrial solutions
2-8 Fliontos str.
10447 Athens Greece
Tel: +30.210.3422209 , +30.210.3479035
Fax: +30.210.3471351
e-mail: sales@tekesyp.gr web: www.tekesyp.gr



Gigalok Stainless Steel Seamless Tubing	08
Gigalok Stainless Steel Seamless Pipe	12
Male Connectors – CM	
	14
Bulkhead Male Connectors – BCM	
	25
Thermocouple Connectors – TCM	
	26
Female Connectors – CF	
	28
Bulkhead Female Connectors – BCF	
	33
Unions – U	
	34
Conversion Unions – U	
	35
Reducing Unions – U	
	35
Bulkhead Unions – BU	
	37
Bulkhead Reducing Unions – BU	
	37
Bulkhead Conversion Unions – BU	
	38
Bulkhead Locknuts – BN	
	38

Male Elbows – LM	
	39
45° Male Elbows – VM	
	42
Adjustable Male Elbows – LP	
	43
45° Adjustable Male Elbows – VP	
	45
Female Elbows – LF	
	46
Union Elbows – LU	
	47
Union Reducing Elbows – LU	
	48
Male Branch Tees – TTM	
	49
Male Run Tees – TMT	
	50
Adjustable Male Branch Tees – TTP	
	51

Adjustable Male Run Tees – TPT	
	52
Female Branch Tees – TTF	
	53
Female Run Tees – TFT	
	54
Union Tees – TTT	
	55
Reducing Union Tees – TTT	
	56
Union Crosses – C	
	58
Caps – TC	
	58
Plugs – TP	
	59
Vent Protectors – VPF	
	59
Lapped Flange Connectors – LFC	
	59

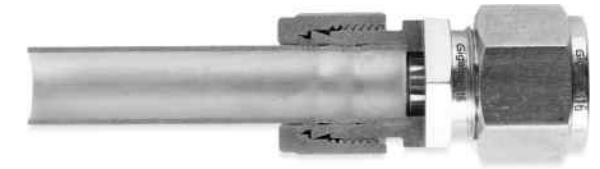
Nuts – N	
	60
Knurled Nuts	
	60
Male Nuts – MN	
	60
Front Ferrules – FF	
	61
Rear Ferrules – RF	
	61
Nuts + Ferrules – NFR	
	61
Nut-Ferrule Sets – NFS	
	62
Ferrule Sets – FRS	
	62
Reducers – R	
	63
Bulkhead Reducers – BR	
	65
Reducer Elbows – LR	
	65
Insert for Soft Plastic Tubings – IN	
	66

Port Connectors – P	66
Reducing Port Connectors – P	67
Male Adapters – AM	68
Female Adapters – AF	73
Weld adapters – AW	76
Flange Adapters – FA	77
Weld Connectors – CW	78
Weld Elbows – LW	79
Automatic Tube Weld Connectors – CW	80
Calibration Fittings – FC	80
Dielectric Fittings – DF	81
RS Gaskets – RS	82

RP, RG, RJ Gaskets – RP, RG, RJ	83
O-Rings – VI, BN	84

Features

- Sizes range from 1/16" to 1 1/2" and 2 mm to 38 mm.
- Diverse materials and configurations are available.
- Precision machined components ensure perfect deformation of the ferrules and tubing.
- Hardened threads with smooth surface finish avoid galling and help to extend the fitting service life.
- Female nut threads are silver-plated to reduce the friction against the body threads.
- Radius junction design with elbows provides smooth flow path.
- Every fitting is stamped with size, material, and heat code.
- Fittings are easy to disconnect and retighten.



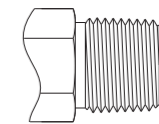
Technical Data

◎ Thread Ends

NPT Threads (NPT)

- ◎ Comply with ASME B1.20.1, SAE AS71051.
- ◎ Installation torque suggested by Gigalok.

Thread Data						
Thread Size	Thread/in.	Dia. at Reference Plane (mm)			Handtight Engagement (mm)	Required Torque N·m(lbf·in)
		Max. Dia.	Pitch Dia.	Min. Dia.		
1/16	27	7.894	7.142	6.389	4.064	—
1/8		10.242	9.489	8.737	4.102	9 (79.6)
1/4	18	13.616	12.487	11.358	5.785	15 (132.8)
3/8		17.055	15.926	14.797	6.096	25 (221.3)
1/2	14	21.224	19.772	18.321	8.128	35 (309.8)
3/4		26.569	25.117	23.666	8.618	50 (442.5)
1	11.5	33.228	31.461	29.694	10.160	55 (486.8)
1 1/4		41.985	40.218	38.451	10.668	60 (531)
1 1/2		48.054	46.287	44.520	10.668	70 (619.5)
2		60.092	58.325	56.558	11.065	75 (663.8)



- 60° thread angle
- Pitch measured in inch
- Truncation of root and crest are parallel
- Taper 1:16
- Type of sealing: thread sealant

Working Pressures of NPT Thread Ends

Thread Size	316 Stainless Steel and Carbon Steel				Brass			
	Male		Female		Male		Female	
	psig	bar	psig	bar	psig	bar	psig	bar
1/16	11000	757	6700	460	5500	378	3300	227
1/8	10000	689	6500	447	5000	344	3200	220
1/4	8000	551	6600	454	4000	275	3300	227
3/8	7800	537	5300	365	3900	268	2600	179
1/2	7700	530	4900	337	3800	261	2400	165
3/4	7300	502	4600	316	3600	248	2300	158
1	5300	365	4400	303	2600	179	2200	151
1 1/4	6000	410	5000	344	3000	200	2500	172
1 1/2	5000	344	4600	317	2500	172	2300	158
2	3900	268	3900	268	1900	130	1900	130

Working pressure is based on ANSI/ASME B31.3 at ambient temperature.



J. BELLOS & CO.
Fluid Power, Industrial and Marine Solutions

