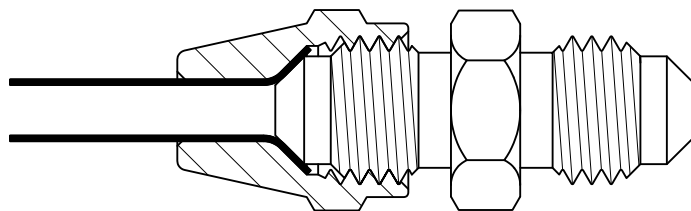


45° Flare



TITON Flare Fittings are manufactured especially with hazardous liquids and gasses in mind. They are available in sizes ranging from 1/8" to 3/4", and are manufactured from high quality DZR grade brass alloy. All flare fittings conform to the following standards: AS D26, AS3688, AG 601-1995, NZG 1993/76.

ADVANTAGES

May be assembled/disassembled numerous times. When used with the appropriate tubing, they can withstand high pressures. For improved resistance to mechanical vibration, the Long Flare Nut may be used.

APPLICATIONS

Use with copper, brass, aluminium, and flareable steel pipe. Install where medium to high pressures are encountered. Flare Fittings, when used with the Long Flare Nut, provide good resistance to vibration. Ideal for use with fuel, oil, air, water and Natural Gas lines. In Applications where temperatures extremes are encountered we recommend the use of stress-relieved fittings. Please contact our technical sales department for more information.

WORKING PRESSURES

TITON Flare Fittings are able to withstand high pressures, use the table below as a guideline. Usually, pressures are determined by the pipe used, rather than the Flare Fitting.

SPECIAL SIZES

Other sizes not specified are available upon request.

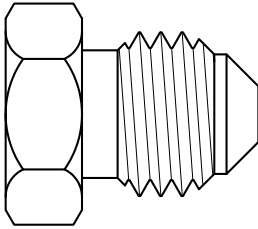
ASSEMBLY

- I. Slide nut, tapered end first, onto tubing.
- II. Using a 45° flaring tool, flare end of tube until flare just fits inside nut. (On thin wall tubing it is recommended a double flare is used to prevent pinch off.)
- III. Assemble to fitting body. Nut should be tightened hand tight.
- IV. Using a wrench, tighten until a leak-proof, metal to metal joint is achieved. To avoid premature failure of the fitting, do not over-tighten.

Tube Size	Hydraulic kPa [PSI]	Pneumatic kPa [PSI]
1/8	17250 [2500]	4800 [700]
3/16	17250 [2500]	4800 [700]
1/4	13750 [2000]	4800 [700]
5/16	13750 [2000]	4800 [700]
3/8	10400 [1500]	2750 [400]
1/2	7000 [1020]	1750 [250]
5/8	7000 [1020]	1750 [250]
3/4	7000 [1020]	1750 [250]

45° Flare

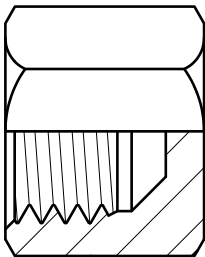
39P



Flare Plug

Part Number	Standard Pack	Tube	Pipe Thread	Price Per Piece
39P04	5	1/4	-	2.88
39P05	5	5/16	-	3.99
39P06	5	3/8	-	5.40
39P08	5	1/2	-	9.93
39P10	5	5/8	-	13.94

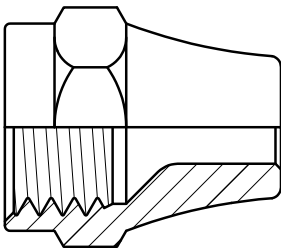
40C



Flare Cap

Part Number	Standard Pack	Tube	Pipe Thread	Price Per Piece
40C04	5	1/4	-	2.36
40C05	5	5/16	-	2.29
40C06	5	3/8	-	3.22
40C08	5	1/2	-	8.20

41S

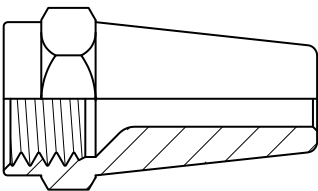
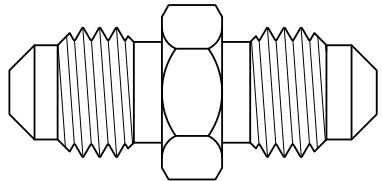
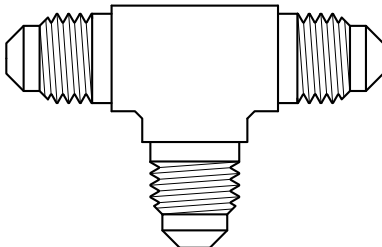


Short Flare Nut

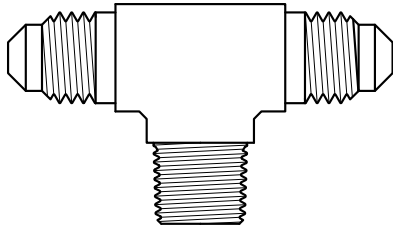
Part Number	Standard Pack	Tube	Pipe Thread	Price Per Piece
41S02	50	1/8	-	1.98
41S03	50	3/16	-	1.65
41S04	50	1/4	-	2.14
41S05	50	5/16	-	2.88
41S06	25	3/8	-	4.16
41S08	20	1/2	-	6.50
41S10	10	5/8	-	12.14
41S12	10	3/4	-	19.51

45° Flare

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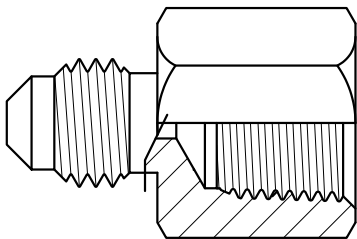
Long Flare Nut Offers Improved Resistance To Vibration.					41 
Part Number	Standard Pack	Tube	Pipe Thread	Price Per Piece	
4102	25	1/8	-	1.85	
4103	25	3/16	-	3.31	
4104	25	1/4	-	2.76	
4105	25	5/16	-	3.39	
4106	25	3/8	-	4.47	
4108	20	1/2	-	7.80	
4110	10	5/8	-	19.41	
4112	10	3/4	-	23.25	
Double Flare Union For Reducing Unions See No 58.					42 
Part Number	Standard Pack	Tube	Pipe Thread	Price Per Piece	
4202	20	1/8	-	3.43	
4203	20	3/16	-	2.57	
4204	25	1/4	-	2.67	
4205	25	5/16	-	2.73	
4206	25	3/8	-	4.25	
4208	10	1/2	-	7.89	
4210	10	5/8	-	15.02	
4212	10	3/4	-	18.86	
Flare Tee For Reducing Unions See No 58.					44 
Part Number	Standard Pack	Tube	Pipe Thread	Price Per Piece	
4402	10	1/8	-	11.92	
4403	10	3/16	-	11.71	
4404	10	1/4	-	15.77	
4405	10	5/16	-	18.00	
4406	10	3/8	-	23.46	
4408	10	1/2	-	27.75	
4410	10	5/8	-	45.53	

45° Flare

45


Flare Male Branch Tee

Part Number		Standard Pack	Tube	Pipe Thread	Price Per Piece
450302	*	10	3/16	1/8 BSPT	13.04
450402	*	10	1/4	1/8 BSPT	19.60
450404	*	10	1/4	1/4 BSPT	23.25
450502	*	10	5/16	1/8 BSPT	20.85
450604	*	10	3/8	1/4 BSPT	24.53
450806	*	10	1/2	3/8 BSPT	29.92

46


Flare Female Connector

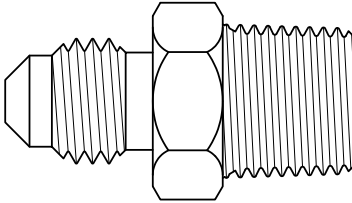
Part Number		Standard Pack	Tube	Pipe Thread	Price Per Piece
460202		10	1/8	1/8 BSPP	5.17
460302		10	3/16	1/8 BSPP	9.51
460402		10	1/4	1/8 BSPP	4.44
460404		10	1/4	1/4 BSPP	5.84
460406		10	1/4	3/8 BSPP	6.61
460502	*	10	5/16	1/8 BSPP	5.93
460504		10	5/16	1/4 BSPP	5.98
460602	*	10	3/8	1/8 BSPP	7.75
460604		10	3/8	1/4 BSPP	6.46
460606		10	3/8	3/8 BSPP	11.14
460608		10	3/8	1/2 BSPP	15.40
460804		10	1/2	1/4 BSPP	15.80
460806		10	1/2	3/8 BSPP	14.20
460808		10	1/2	1/2 BSPP	17.32
461208		10	3/4	1/2 BSPP	38.70
461212		1	3/4	3/4 BSPP	53.29

45° Flare

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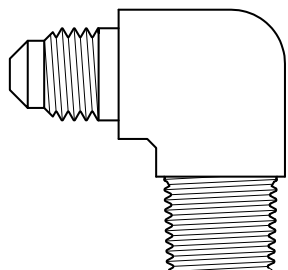
48

Flare Male Connector					
Part Number	Standard Pack	Tube	Pipe Thread	Price Per Piece	
480202	20	1/8	1/8 BSPT	2.92	
480302	20	3/16	1/8 BSPT	2.57	
480304	-	3/16	1/4 BSPT	6.97	
480402	20	1/4	1/8 BSPT	2.37	
480404	20	1/4	1/4 BSPT	3.22	
480406	20	1/4	3/8 BSPT	7.60	
480408	20	1/4	1/2 BSPT	10.23	
480502	20	5/16	1/8 BSPT	3.22	
480504	20	5/16	1/4 BSPT	3.62	
480506	20	5/16	3/8 BSPT	5.77	
480508	-	5/16	1/2 BSPT	10.52	
480602	20	3/8	1/8 BSPT	5.06	
480604	20	3/8	1/4 BSPT	5.50	
480606	20	3/8	3/8 BSPT	6.34	
480608	20	3/8	1/2 BSPT	10.23	
480612	10	3/8	3/4 BSPT	20.93	
480804	20	1/2	1/4 BSPT	10.23	
480806	10	1/2	3/8 BSPT	7.60	
480808	10	1/2	1/2 BSPT	10.23	
480812	*	-	1/2	3/4 BSPT	20.93
481006	5	5/8	3/8 BSPT	12.58	
481008	5	5/8	1/2 BSPT	12.58	
481012	5	5/8	3/4 BSPT	20.97	
481208	5	3/4	1/2 BSPT	20.97	
481212	5	3/4	3/4 BSPT	20.97	



49

Flare Male Elbow				
Part Number	Standard Pack	Tube	Pipe Thread	Price Per Piece
490202	20	1/8	1/8 BSPT	9.01
490302	20	3/16	1/8 BSPT	7.59
490402	25	1/4	1/8 BSPT	7.59
490404	25	1/4	1/4 BSPT	9.81
490406	25	1/4	3/8 BSPT	19.11
490502	25	5/16	1/8 BSPT	8.70
490504	25	5/16	1/4 BSPT	8.96
490506	25	5/16	3/8 BSPT	18.71

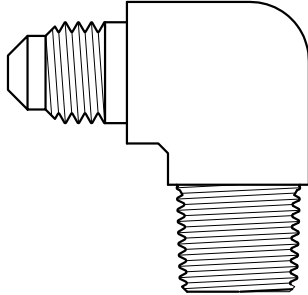


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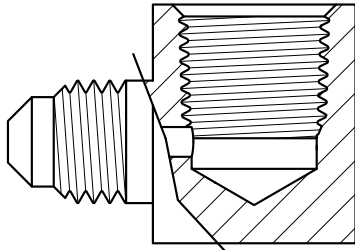
45° Flare

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49


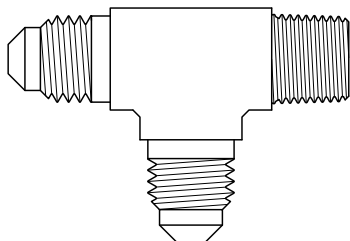
Flare Male Elbow

Part Number	Standard Pack	Tube	Pipe Thread	Price Per Piece
490602	20	3/8	1/8 BSPT	12.03
490604	20	3/8	1/4 BSPT	11.40
490606	10	3/8	3/8 BSPT	12.96
490608	10	3/8	1/2 BSPT	18.71
490804	10	1/2	1/4 BSPT	17.91
490806	10	1/2	3/8 BSPT	18.53
490808	10	1/2	1/2 BSPT	19.11
491008	5	5/8	1/2 BSPT	25.84
491208	5	5/8	1/2 BSPT	49.45

50


Flare Female Elbow

Part Number		Standard Pack	Tube	Pipe Thread	Price Per Piece
500402	*	1	1/4	1/8 BSPP	14.38
500502		1	5/16	1/8 BSPP	15.86
500604		1	3/8	1/4 BSPP	21.33
500806		1	1/2	3/8 BSPP	44.37

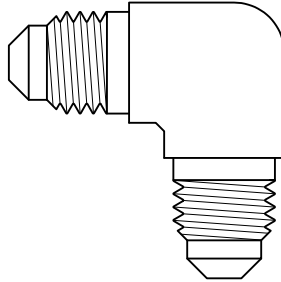
51


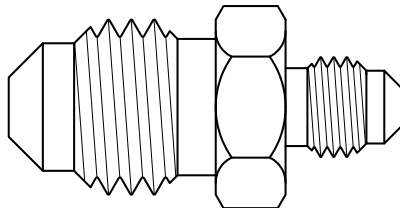
Flare Male Run Tee

Part Number	Standard Pack	Tube	Pipe Thread	Price Per Piece
510402	1	1/4	1/8 BSPT	22.95
510604	1	3/8	1/4 BSPT	28.38
510806	1	1/2	3/8 BSPT	29.55

45° Flare

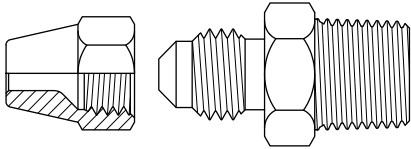
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Flare 90° Elbow					<div>55</div> 
Part Number	Standard Pack	Tube	Pipe Thread	Price Per Piece	
5502	10	1/8	-	24.64	
5503	10	3/16	-	16.27	
5504	10	1/4	-	16.31	
5505	10	5/16	-	15.94	
5506	10	3/8	-	23.69	
5508	10	1/2	-	26.13	
5510	10	5/8	-	32.77	

Reducing Flare Union					<div>58</div> 
For Double Flare Unions See No 42.					
Part Number	Standard Pack	Tube	Tube	Price Per Piece	
580403	10	1/4	3/16	7.45	
580504	10	5/16	1/4	7.39	
580604	10	3/8	1/4	14.84	
580605	10	3/8	5/16	14.84	
580806	10	1/2	3/8	16.13	

45° Gas Flare

GFC

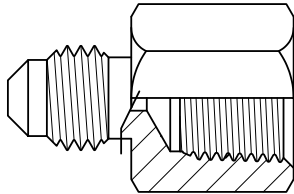


Gas Flare Assembly

Consists of GFN Nut and GFM Connector

Part Number	Standard Pack	Tube	Pipe Thread	Price Per Piece
GFC1006	10	10 mm	3/8 BSPT	10.14
GFC1008	10	10 mm	1/2 BSPT	12.56
GFC1508	10	15 mm	1/2 BSPT	13.87
GFC2012	10	20 mm	3/4 BSPT	24.68

GFF

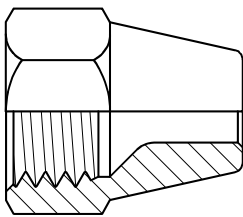


Gas Flare Female Connector

Part Number	Standard Pack	Tube	Pipe Thread	Price Per Piece
GFF1508	10	15 mm	1/2 BSPT	13.86
GFF2012	10	20 mm	3/4 BSPT	24.68

Stress Relieved

GFN



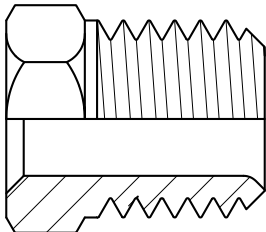
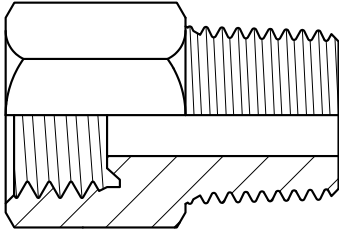
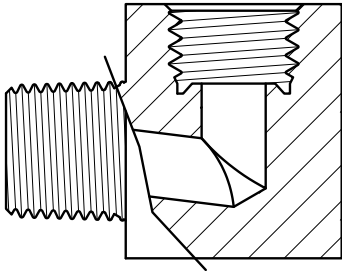
Gas Flare Nut

Part Number	Standard Pack	Tube	Pipe Thread	Price Per Piece
GFN10	10	10 mm	-	3.70
GFN15	10	15 mm	-	5.50
GFN20	10	20 mm	-	12.15

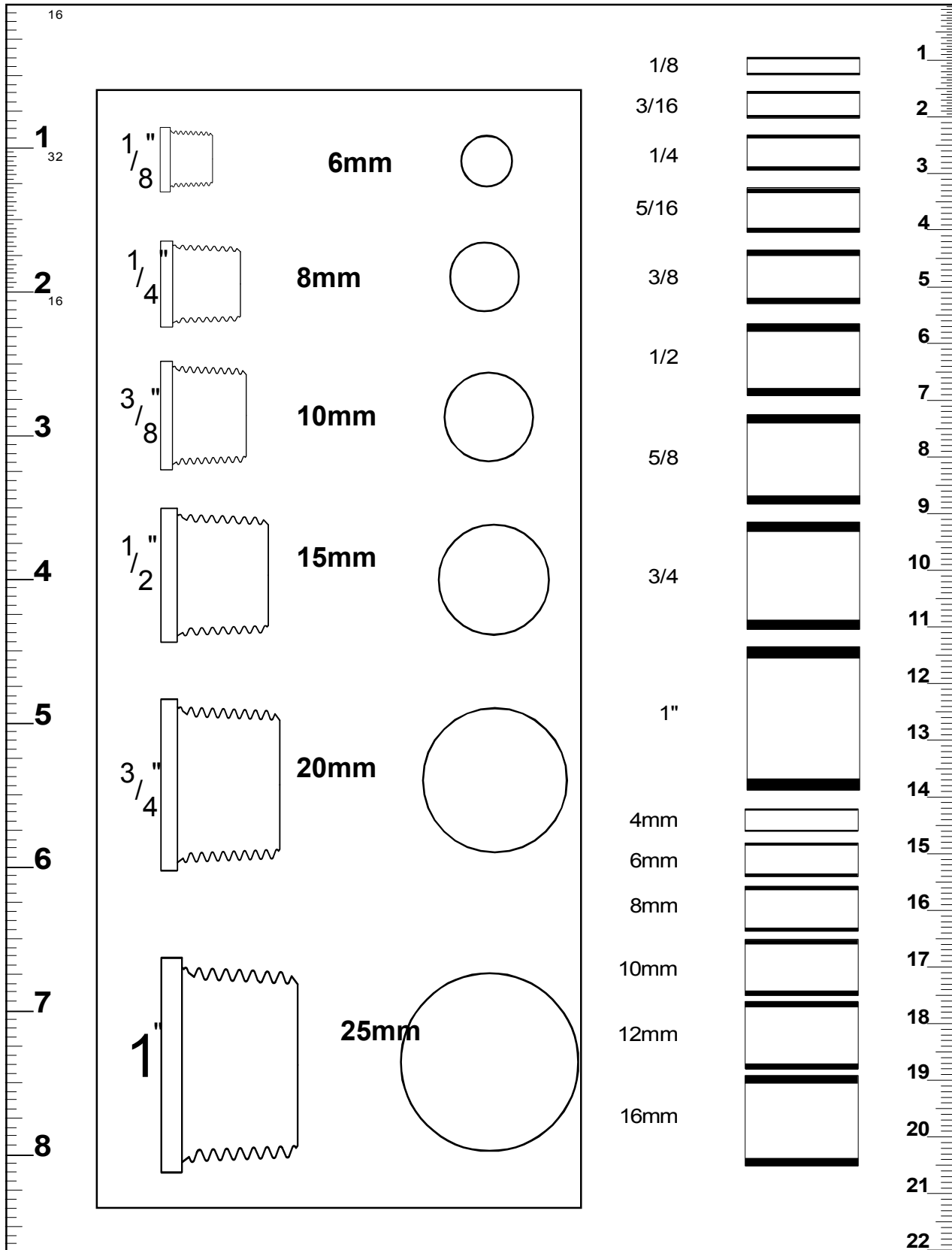
Stress Relieved

45° Inverted Flare

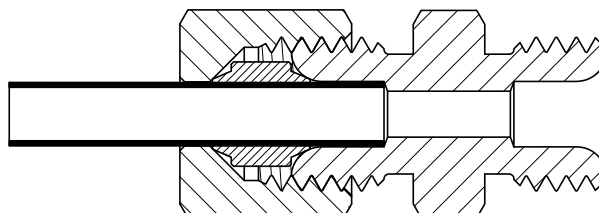
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Inverted Flare Nut						105	
Part Number	Standard Pack	Tube	Pipe Thread	Price Per Piece			
10502	*	20	1/8	-	3.55		
10503	*	20	3/16	-	3.10		
10504	*	20	1/4	-	3.13		
10505	*	20	5/16	-	3.87		
10506	*	20	3/8	-	5.01		
10508	*	10	1/2	-	5.58		
Inverted Flare Male Connector						200	
Part Number	Standard Pack	Tube	Pipe Thread	Price Per Piece			
2000302	*	20	3/16	1/8 BSPT	5.72		
2000402	*	20	1/4	1/8 BSPT	7.76		
2000404	*	20	1/4	1/4 BSPT	9.08		
2000502	*	20	5/16	1/8 BSPT	6.86		
2000504	*	20	5/16	1/4 BSPT	12.44		
2000604	*	10	3/8	1/4 BSPT	12.22		
2000806	*	10	1/2	3/8 BSPT	45.16		
Inverted Flare Male Elbow						400	
Part Number	Standard Pack	Tube	Pipe Thread	Price Per Piece			
4000202	*	10	1/8	1/8 BSPT	11.85		
4000302	*	10	3/16	1/8 BSPT	10.58		
4000402	*	20	1/4	1/8 BSPT	11.89		
4000404	*	20	1/4	1/4 BSPT	26.24		
4000502	*	20	5/16	1/8 BSPT	14.50		
4000504	*	20	5/16	1/4 BSPT	23.57		
4000604	*	10	3/8	1/4 BSPT	22.88		
4000606	*	10	3/8	3/8 BSPT	22.88		
4000806	*	10	1/2	3/8 BSPT	47.14		

Profiles



Compression Fittings



TITON Compression Fittings are designed to comply with established industry standards. This economical fitting is available in a wide range of off-the-shelf sizes and styles. They are manufactured from high quality DZR brass alloy.

ADVANTAGES

Simple to assemble. No soldering, flaring or deburring is necessary. Suitable for use in a wide variety of applications.

APPLICATIONS

May be used with copper, aluminium, brass, and plastic tubing. Use with steel tubing is not recommended. Installation should be where low to medium pressures are encountered, and modest tube vibration/movement is involved. Suitable for hazardous liquids, oils, and fuel.

Not recommended for use with gas

WORKING PRESSURES

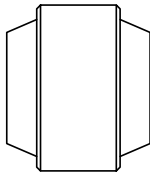
Generally, working pressure is dependant upon the type of tubing used and not the fitting. Consequently the table shown below should be used as a guide only.

ASSEMBLY

- I. Slide nut then sleeve onto tube ensuring threaded end of nut is facing the sleeve.
- II. If using a plastic tube, push a 261 Insert into tube to prevent tube from collapsing.
- III. Insert the tube into the fitting until the tube has bottomed onto the fitting shoulder.
- IV. Screw nut onto the fitting and tighten "hand tight". **Using the table below, follow the number of additional wrench turns.**

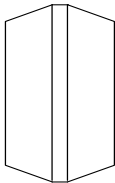
Tube Size	Hydraulic kPa [PSI]	Pneumatic kPa [PSI]	Wrench Turns
1/8	3500 [500]	2000 [290]	1
3/16	3500 [500]	1750 [250]	1
1/4	2750 [400]	1400 [200]	1
5/16	2750 [400]	1400 [200]	1
3/8	2000 [290]	1050 [150]	1
1/2	2000 [290]	1050 [150]	1½
5/8	1400 [200]	700 [100]	1½
3/4	1400 [200]	700 [100]	1½

Compression Fittings

60N

Sleeve

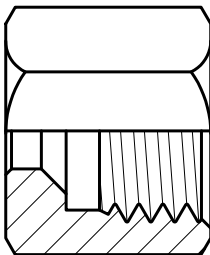
For All Materials. Ideal For Nylon

Part Number	Standard Pack	Tube	Pipe Thread	Price Per Piece
60N02	100	1/8	-	0.24
60N03	100	3/16	-	0.34
60N04	100	1/4	-	0.34
60N05	100	5/16	-	0.38
60N06	100	3/8	-	0.48
60N08	50	1/2	-	1.32
60N10	50	5/8	-	2.47
60N12	50	3/4	-	3.40
60N16	1	1"	-	4.19

60

Sleeve

Ideal For Copper

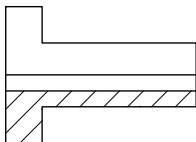
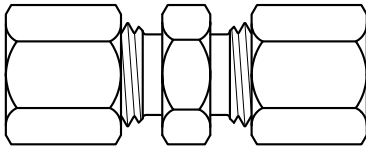
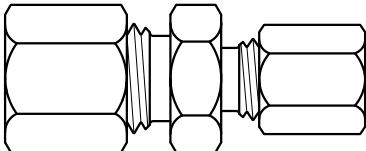
Part Number	Standard Pack	Tube	Pipe Thread	Price Per Piece
6002	100	1/8	-	0.32
6003	100	3/16	-	0.33
6004	100	1/4	-	0.36
6005	100	5/16	-	0.48
6006	100	3/8	-	0.53
6008	50	1/2	-	1.36
6010	50	5/8	-	2.62
6012	50	3/4	-	3.48

61

Compression Nut

Part Number	Standard Pack	Tube	Pipe Thread	Price Per Piece
6102	50	1/8	-	1.11
6103	50	3/16	-	0.96
6104	50	1/4	-	1.04
6105	50	5/16	-	1.36
6106	50	3/8	-	1.69
6108	25	1/2	-	3.11
6110	15	5/8	-	5.77
6112	15	3/4	-	7.83
6116	1	1"	-	24.25

Compression Fittings

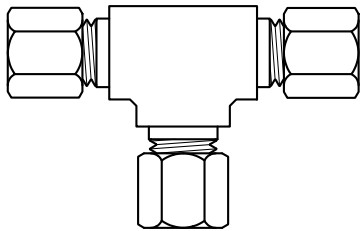
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Hose Insert Provides Support For Plastic Tubes						261
Part Number	Standard Pack	Tube OD	Tube ID	Price Per Piece		
26103	50	3/16	3.10mm	0.93		
26104	50	1/4	3.86mm	0.92		
26105	50	5/16	5.03mm	1.33		
26106	20	3/8	5.84mm	1.93		
26108	20	1/2	9.14mm	2.29		
26110	10	5/8	12.20mm	2.66		
Double Union Supplied Complete With 60N Sleeves and 61 Nuts						62
Part Number	Standard Pack	Tube	Pipe Thread	Price Per Piece		
6202	25	1/8	-	4.83		
6203	25	3/16	-	4.94		
6204	25	1/4	-	5.29		
6205	25	5/16	-	6.19		
6206	25	3/8	-	7.67		
6208	10	1/2	-	14.32		
6210	10	5/8	-	33.76		
6212	5		-	46.97		
Reducing Union Supplied Complete With 60N Sleeves and 61 Nuts						62R
Part Number	Standard Pack	Tube	Tube	Price Per Piece		
62R0403	20	1/4	3/16	12.37		
62R0504	20	5/16	1/4	8.00		
62R0604	20	3/8	1/4	11.03		
62R0605	20	3/8	5/16	14.84		
62R0804	-	1/2	1/4	19.51		
62R0806	5	1/2	1/2	21.19		
62R1006	-	5/8	3/8	25.76		

Compression Fittings

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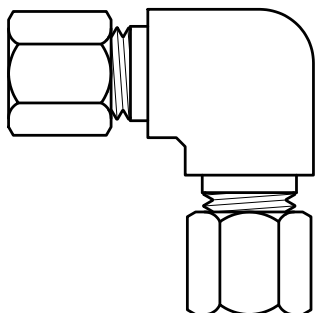


Union Tee

Supplied Complete With 60N Sleeves and 61 Nuts.

Part Number		Standard Pack	Tube	Pipe Thread	Price Per Piece
6402		20	1/8	-	15.77
6403		10	3/16	-	13.31
6404		10	1/4	-	14.57
6405		10	5/16	-	18.07
6406		10	3/8	-	19.64
6408		10	1/2	-	44.36
6410	*	5	5/8	-	78.02
6412	*	-	3/4	-	86.11

65

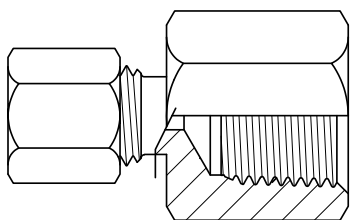


Union Elbow

Supplied Complete With 60N Sleeves and 61 Nuts.

Part Number		Standard Pack	Tube	Pipe Thread	Price Per Piece
6502		20	1/8	-	15.60
6503		20	3/16	-	12.48
6504		20	1/4	-	14.02
6505		20	5/16	-	15.60
6506		10	3/8	-	17.30
6508		10	1/2	-	32.47
6510		-	5/8	-	52.88

66



Female Connector

Supplied Complete With 60N Sleeves and 61 Nuts.

Part Number		Standard Pack	Tube	Pipe Thread	Price Per Piece
660202		20	1/8	1/8 BSPP	4.73
660302		20	3/16	1/8 BSPP	3.48
660402		20	1/4	1/8 BSPP	4.33
660404		20	1/4	1/4 BSPP	6.15
660406		20	1/4	3/8 BSPP	11.23
660408		10	1/4	1/2 BSPP	12.84
660502		20	5/16	1/8 BSPP	6.21
660504		20	5/16	1/4 BSPP	7.04
660506		20	5/16	3/8 BSPP	11.17

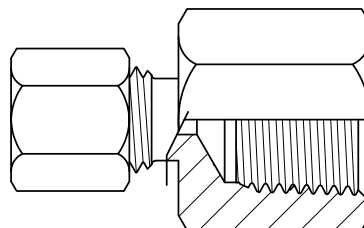
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Compression Fittings

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Female Connector

Part Number	Standard Pack	Tube	Pipe Thread	Price Per Piece
660602	20	3/8	1/8 BSPP	6.61
660604	20	3/8	1/4 BSPP	7.71
660606	20	3/8	3/8 BSPP	8.31
660608	20	3/8	1/2 BSPP	12.84
660806	10	1/2	3/8 BSPP	11.17
660808	10	1/2	1/2 BSPP	23.61
661208	* -	3/4	1/2 BSPP	35.84
661212	* -	3/4	3/4 BSPP	46.98



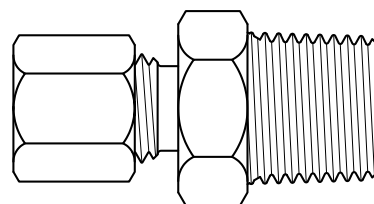
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Male Connector

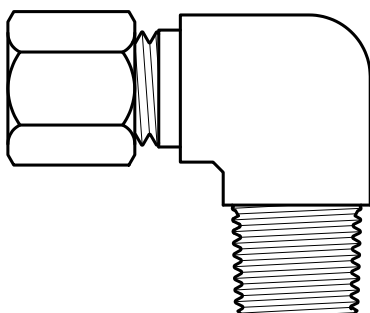
Supplied Complete With 60N Sleeves and 61 Nuts

Part Number	Standard Pack	Tube	Pipe Thread	Price Per Piece
680202	20	1/8	1/8 BSPT	4.05
680204	20	1/8	1/4 BSPT	4.94
680302	20	3/16	1/8 BSPT	4.02
680304	20	3/16	1/4 BSPT	4.87
680402	25	1/4	1/8 BSPT	2.89
680404	25	1/4	1/4 BSPT	4.87
680406	20	1/4	3/8 BSPT	8.15
680408	10	1/4	1/2 BSPT	12.51
680412	10	1/4	3/4 BSPT	21.23
680502	25	5/16	1/8 BSPT	4.99
680504	25	5/16	1/4 BSPT	4.80
680506	20	5/16	3/8 BSPT	8.50
680508	10	5/16	1/2 BSPT	12.51
680602	20	3/8	1/8 BSPT	4.99
680604	25	3/8	1/4 BSPT	5.34
680606	10	3/8	3/8 BSPT	9.14
680608	20	3/8	1/2 BSPT	11.23
680804	10	1/2	1/4 BSPT	9.83
680806	20	1/2	3/8 BSPT	9.31
680808	10	1/2	1/2 BSPT	12.51
680812	10	1/2	3/4 BSPT	42.10
681006	10	5/8	3/8 BSPT	26.80
681008	10	5/8	1/2 BSPT	23.13
681012	10	5/8	3/4 BSPT	43.10
681204	-	3/4	1/4 BSPT	36.40
681208	5	3/4	1/2 BSPT	36.40
681212	5	3/4	3/4 BSPT	37.12



68

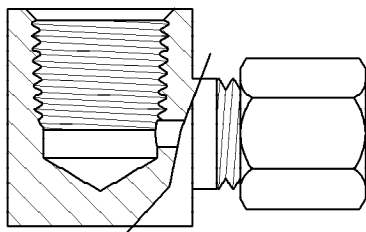
Compression Fittings

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Male Elbow

Supplied Complete With 60N Sleeves and 61 Nuts.

Part Number	Standard Pack	Tube	Pipe Thread	Price Per Piece
690202	20	1/8	1/8 BSPT	9.37
690302	20	3/16	1/8 BSPT	8.74
690402	20	1/4	1/8 BSPT	7.75
690404	20	1/4	1/4 BSPT	10.12
690406	20	1/4	3/8 BSPT	18.45
690502	20	5/16	1/8 BSPT	9.59
690504	20	5/16	1/4 BSPT	10.62
690602	20	3/8	1/8 BSPT	12.51
690604	20	3/8	1/4 BSPT	11.84
690606	10	3/8	3/8 BSPT	17.74
690608	10	3/8	1/2 BSPT	30.57
690804	10	1/2	1/4 BSPT	20.56
690806	10	1/2	3/8 BSPT	20.36
690808	10	1/2	1/2 BSPT	27.05
691006	5	5/8	3/8 BSPT	33.30
691008	5	5/8	1/2 BSPT	43.78
691208	5	3/4	1/2 BSPT	46.31

70


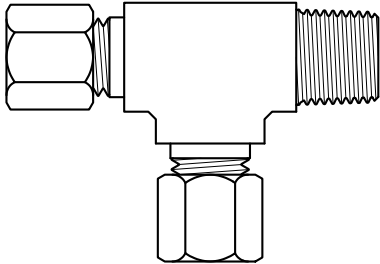
Female Elbow

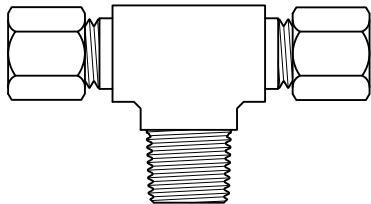
Supplied Complete With 60N Sleeves and 61 Nuts.

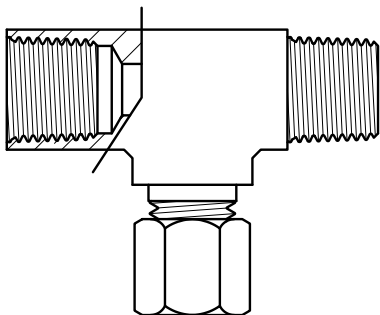
Part Number		Standard Pack	Tube	Pipe Thread	Price Per Piece
700202	*	20	1/8	1/8 BSPP	16.09
700302		20	3/16	1/8 BSPP	10.92
700402		20	1/4	1/8 BSPP	11.30
700604		10	3/8	1/4 BSPP	17.30
700806	*	10	1/2	3/8 BSPP	32.29

Compression Fittings

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<div>Union Male Run Tee</div> <div>Supplied Complete With 60N Sleeves and 61 Nuts.</div>						<div>71</div> 
Part Number	Standard Pack	Tube	Pipe Thread	Price Per Piece		
710202	*	10	1/8	1/8 BSPT	19.51	
710302	*	10	3/16	1/8 BSPT	19.51	
710402		10	1/4	1/8 BSPT	14.20	
710404		10	1/4	1/4 BSPT	19.60	
710502		10	5/16	1/8 BSPT	19.11	
710504		10	5/16	1/4 BSPT	29.59	
710604		10	3/8	1/4 BSPT	27.01	
710806		5	1/2	3/8 BSPT	37.80	

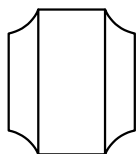
<div>Union Male Branch Tee</div> <div>Supplied Complete With 60N Sleeves and 61 Nuts</div>						<div>72</div> 
Part Number	Standard Pack	Tube	Pipe Thread	Price Per Piece		
720202	*	20	1/8	1/8 BSPT	20.88	
720302	*	20	3/16	1/8 BSPT	14.02	
720402		10	1/4	1/8 BSPT	13.48	
720404		10	1/4	1/4 BSPT	18.12	
720502		10	5/16	1/8 BSPT	19.27	
720504		10	5/16	1/4 BSPT	19.41	
720604		10	3/8	1/4 BSPT	19.41	
720606		1	3/8	3/8 BSPT	29.02	
720804		1	1/2	1/4 BSPT	33.77	
720806		1	1/2	3/8 BSPT	39.85	

<div>Male/Female Run Tee</div> <div>Supplied Complete With 60N Sleeves and 61 Nuts</div>						<div>76</div> 
Part Number	Standard Pack	Tube	Pipe Thread	Price Per Piece		
760202		10	1/8	1/8 BSPT	24.05	
760302		10	3/16	1/8 BSPT	21.29	
760402		10	1/4	1/8 BSPT	27.56	
760502		10	5/16	1/8 BSPT	25.18	
760604		10	3/8	1/4 BSPT	39.74	

Metric Compression Fittings

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M60N

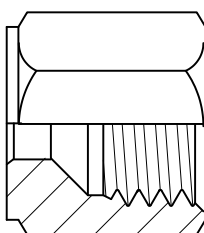


Metric Sleeve

For All Materials. Ideal For Nylon

Part Number	Standard Pack	Tube	Pipe Thread	Price Per Piece
M60N04	50	4 mm	-	0.34
M60N06	50	6 mm	-	0.44
M60N08	50	8 mm	-	0.48
M60N10	50	10 mm	-	0.86
M60N12	20	12 mm	-	1.41
M60N16	20	16 mm	-	4.16

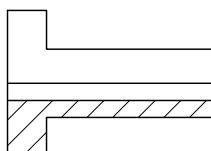
M61



Metric Compression Nut

Part Number	Standard Pack	Tube	Pipe Thread	Price Per Piece
M6104	20	4 mm	-	1.10
M6106	20	6 mm	-	1.48
M6108	20	8 mm	-	1.44
M6110	20	10 mm	-	1.91
M6112	20	12 mm	-	3.65
M6116	10	16 mm	-	5.88

M261



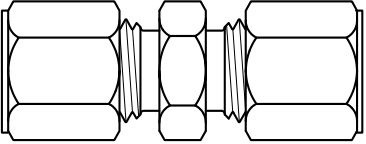
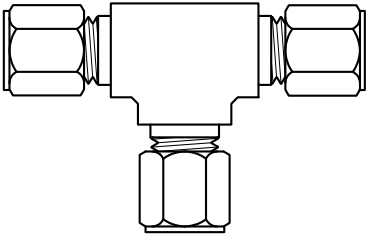
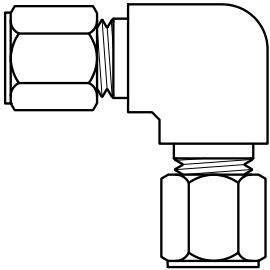
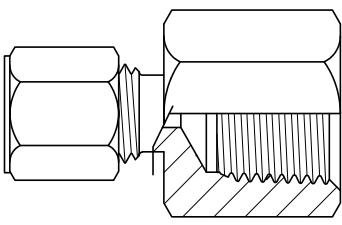
Metric Hose Insert

Provides Support For Plastic Tubes.

Part Number	Standard Pack	Tube OD	Tube ID	Price Per Piece
M26104	50	4 mm	2.40 mm	0.93
M26106	50	6 mm	3.90 mm	0.93
M26108	50	8 mm	5.30 mm	1.37
M26110	50	10 mm	6.80 mm	1.37
M26112	50	12 mm	8.60 mm	2.19

Metric Compression Fittings

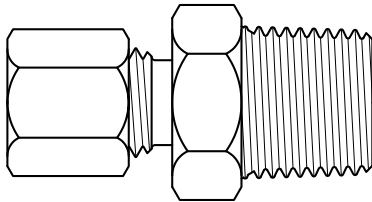
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Metric Double Union Supplied Complete With M60N Sleeves and M61 Nuts					M62 
Part Number	Standard Pack	Tube	Pipe Thread	Price Per Piece	
M6204	10	4 mm	-	6.19	
M6206	10	6 mm	-	5.88	
M6208	10	8 mm	-	6.53	
M6210	10	10 mm	-	8.56	
M6212	5	12 mm	-	15.87	
M6216	5	16 mm	-	47.32	
Metric Union Tee Supplied Complete With M60N Sleeves and M61 Nuts					M64 
Part Number	Standard Pack	Tube	Pipe Thread	Price Per Piece	
M6404	1	4 mm	-	17.80	
M6406	1	6 mm	-	17.80	
M6408	1	8 mm	-	21.11	
M6410	1	10 mm	-	23.73	
M6412	1	12 mm	-	47.36	
M6416	1	16 mm	-	93.74	
Metric Union Elbow Supplied Complete With M60N Sleeves and M61 Nuts					M65 
Part Number	Standard Pack	Tube	Pipe Thread	Price Per Piece	
M6504	1	4 mm	-	13.58	
M6506	1	6 mm	-	15.23	
M6508	1	8 mm	-	17.17	
M6510	1	10 mm	-	19.07	
M6512	1	12 mm	-	35.72	
M6516	1	16 mm	-	87.98	
Metric Female Connector Supplied Complete With M60N Sleeves and M61 Nuts					M66 
Part Number	Standard Pack	Tube	Pipe Thread	Price Per Piece	
M660604	1	6 mm	1/4 BSPP	6.13	
M660804	1	8 mm	1/4 BSPP	7.08	
M661004	1	10 mm	1/4 BSPP	7.70	
M661006	1	10 mm	3/8 BSPP	9.19	
M661208	1	12 mm	1/2 BSPP	12.25	

Metric Compression Fittings

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M68

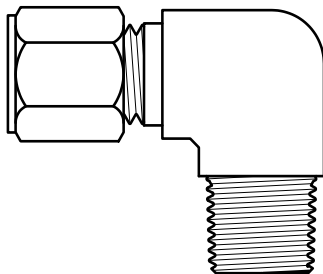


Metric Male Connector

Supplied Complete With M60N Sleeves and M61 Nuts.

Part Number	Standard Pack	Tube	Pipe Thread	Price Per Piece
M680402	10	4 mm	1/8 BSPT	3.59
M680404	10	4 mm	1/4 BSPT	4.16
M680602	10	6 mm	1/8 BSPT	3.59
M680604	10	6 mm	1/4 BSPT	4.16
M680606	10	6 mm	3/8 BSPT	10.16
M680802	10	8 mm	1/8 BSPT	5.31
M680804	10	8 mm	1/4 BSPT	5.45
M680806	10	8 mm	3/8 BSPT	10.16
M680808	10	8 mm	1/2 BSPT	12.65
M681002	10	10 mm	1/8 BSPT	5.60
M681004	10	10 mm	1/4 BSPT	8.81
M681006	10	10 mm	3/8 BSPT	10.04
M681008	10	10 mm	1/2 BSPT	13.92
M681204	10	12 mm	1/4 BSPT	7.91
M681206	10	12 mm	3/8 BSPT	10.37
M681208	10	12 mm	1/2 BSPT	14.57
M681606	5	16 mm	3/9 BSPT	27.05
M681608	5	16 mm	1/2 BSPT	25.31

M69

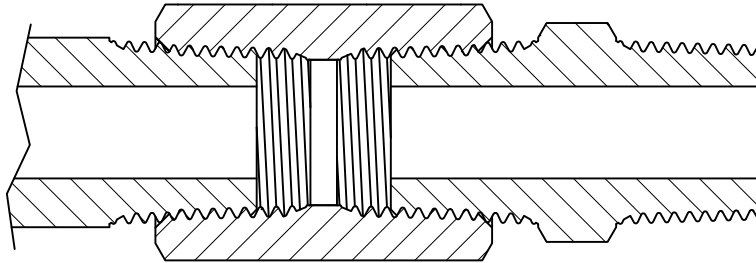


Metric Male Elbow

Supplied Complete With M60N Sleeves and M61 Nuts.

Part Number	Standard Pack	Tube	Pipe Thread	Price Per Piece
M690402	10	4 mm	1/8 BSPT	8.72
M690404	10	4 mm	1/4 BSPT	10.19
M690602	10	6 mm	1/8 BSPT	7.74
M690604	10	6 mm	1/4 BSPT	10.12
M690606	10	6 mm	3/8 BSPT	11.48
M690802	10	8 mm	1/8 BSPT	12.78
M690804	10	8 mm	1/4 BSPT	10.62
M690806	10	8 mm	3/8 BSPT	11.06
M691002	10	10 mm	1/8 BSPT	14.31
M691004	10	10 mm	1/4 BSPT	11.91
M691006	10	10 mm	3/8 BSPT	20.56
M691204	5	12 mm	1/4 BSPT	20.36
M691206	5	12 mm	3/8 BSPT	20.41
M691208	5	12 mm	1/2 BSPT	30.81

Pipe Fittings



Standard TITON Pipe Fittings are manufactured with female RC, RP Series and male R Series threads in accordance with AS1772. These robust fittings are available in a comprehensive range of sizes ranging from 1/8" to 1". They are manufactured from high quality DZR brass alloy. Some fittings are available with NPT threads. Please contact Titon for stock availability.

ADVANTAGES

Very easy to assemble. No special tools or extra parts are necessary. May be assembled/ disassembled numerous times.

APPLICATIONS

May be used with copper, steel, or brass pipe. Install where medium to high pressures are encountered. Pipe Fittings provide good resistance to vibration. Ideal for use in pneumatic and hydraulic control equipment.

WORKING PRESSURES

TITON Pipe Fittings are able to withstand high pressures, use the table below as a guideline.

SPECIAL SIZES

Other threads/sizes not specified are available upon request.

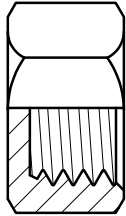
ASSEMBLY

- I. Use pipe sealing compound.
- II. Tighten 1½ to 2½ turns past hand tight.

Thread Size	Hydraulic kPa [PSI]	Pneumatic kPa [PSI]
1/8	13750 [2000]	3500 [500]
1/4	13750 [2000]	3500 [500]
3/8	13750 [2000]	2750 [400]
1/2	10400 [1500]	2750 [400]
3/4	7000 [1020]	2000 [290]
1"	4000 [580]	1250 [180]

Pipe Fittings

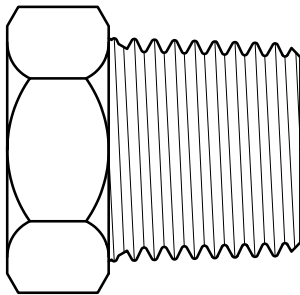
3133



Cap

Part Number	Standard Pack	Tube	Pipe Thread	Price Per Piece
313302	10	-	1/8 BSPP	6.86
313304	10	-	1/4 BSPP	7.70
313306	10	-	3/8 BSPP	8.85
313308	10	-	1/2 BSPP	12.02

3152

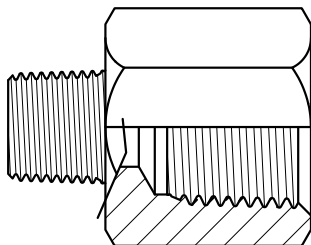


Hex Plug

Available In Hollow and Solid Configurations.

Part Number	Standard Pack	Tube	Pipe Thread	Price Per Piece
315204	50	-	1/4 BSPT	1.73
315206	50	-	3/8 BSPT	2.57
315208	20	-	1/2 BSPT	4.75
315212	10	-	3/4 BSPT	8.89
315216	10	-	1" BSPT	17.72
Parts Listed Above Are Hollow, Parts Listed Below Are Solid				
315202S	10	-	1/8 BSPT	1.14
315204S *	10	-	1/4 BSPT	1.73
315206S *	10	-	3/8 BSPT	2.57
315208S *	10	-	1/2 BSPT	4.75
315212S *	10	-	3/4 BSPT	8.89
315216S *	10	-	1" BSPT	17.72

3200

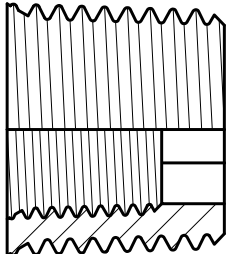
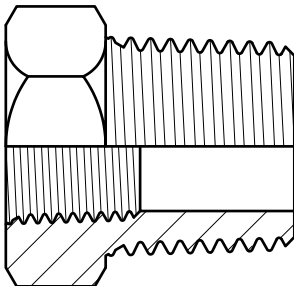
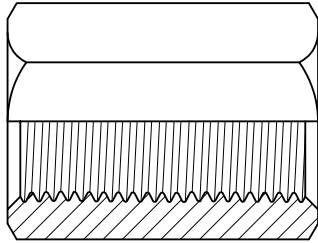


Male To Female Adaptor

Part Number	Standard Pack	Pipe Thread (Female)	Pipe Thread (Male)	Price Per Piece
32000202	25	1/8 BSPP	1/8 BSPT	2.47
32000402	25	1/4 BSPP	1/8 BSPT	3.55
32000404	20	1/4 BSPP	1/4 BSPT	3.91
32000602	20	3/8 BSPP	1/8 BSPT	6.41
32000604	10	3/8 BSPP	1/4 BSPT	6.41
32000606	10	3/8 BSPP	3/8 BSPT	9.29
32000804	10	1/2 BSPP	1/4 BSPT	9.41
32000806	10	1/2 BSPP	3/8 BSPT	8.53
32000808	10	1/2 BSPP	1/2 BSPT	8.37
32001204	5	3/4 BSPP	1/4 BSPT	13.69
32001206	5	3/4 BSPP	3/8 BSPT	11.08
32001208	5	3/4 BSPP	1/2 BSPT	13.69
32001608	1	1" BSPT	1/2 BSPT	27.69

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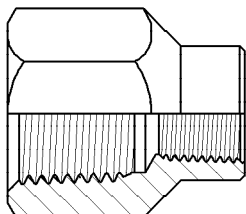
Pipe Fittings

Flush Mount Reducing Bush Internal Hex Drive					3223 
Part Number	Standard Pack	Pipe Thread (Female)	Pipe Thread (Male)	Price Per Piece	
32230402	20	1/8 BSPP	1/4 BSPT	2.24	
32230604	15	1/4 BSPP	3/8 BSPT	3.32	
32230806	10	3/8 BSPP	1/2 BSPT	4.86	
Reducing Bush					3224 
Part Number	Standard Pack	Pipe Thread (Female)	Pipe Thread (Male)	Price Per Piece	
32240402	50	1/8 BSPP	1/4 BSPT	1.91	
32240602	50	1/8 BSPP	3/8 BSPT	3.55	
32240604	50	1/4 BSPP	3/8 BSPT	3.14	
32240802	20	1/8 BSPP	1/2 BSPT	5.29	
32240804	20	1/4 BSPP	1/2 BSPT	4.88	
32240806	20	3/8 BSPP	1/2 BSPT	4.88	
32241202	20	1/8 BSPP	3/4 BSPT	10.01	
32241204	20	1/4 BSPP	3/4 BSPT	10.30	
32241206	20	3/8 BSPP	3/4 BSPT	8.85	
32241208	20	1/2 BSPP	3/4 BSPT	8.85	
32241606	1	3/8 BSPP	1" BSPT	14.39	
32241608	1	1/2 BSPP	1" BSPT	14.39	
32241612	1	3/4 BSPP	1" BSPT	14.39	
Hex Socket					3300 
Part Number	Standard Pack	Tube	Pipe Thread	Price Per Piece	
330002	50	-	1/8 BSPP	1.98	
330004	25	-	1/4 BSPP	3.47	
330006	20	-	3/8 BSPP	5.42	
330008	10	-	1/2 BSPP	9.33	
330012	5	-	3/4 BSPP	18.57	
330016	5	-	1" BSPP	33.11	

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Pipe Fittings

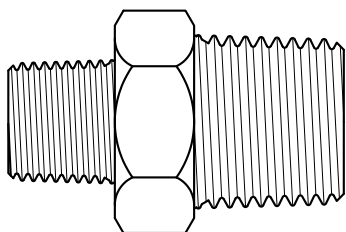
3304



Reducing Socket

Part Number	Standard Pack	Pipe Thread	Pipe Thread	Price Per Piece
33040402	20	1/4 BSPP	1/8 BSPP	3.96
33040602	20	3/8 BSPP	1/8 BSPP	6.89
33040604	20	3/8 BSPP	1/4 BSPP	6.46
33040802	10	1/2 BSPP	1/8 BSPP	13.63
33040804	10	1/2 BSPP	1/4 BSPP	9.60
33040806	10	1/2 BSPP	3/8 BSPP	9.60
33041206	10	3/4 BSPP	3/8 BSPP	24.55
33041208	10	3/4 BSPP	1/2 BSPP	20.96
33041612	1	1" BSPP	3/4 BSPP	38.64

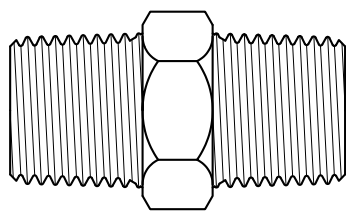
3324



Reducing Nipple

Part Number	Standard Pack	Pipe Thread	Pipe Thread	Price Per Piece
33240402	25	1/4 BSPT	1/8 BSPT	3.33
33240602	25	3/8 BSPT	1/8 BSPT	5.69
33240604	25	3/8 BSPT	1/4 BSPT	5.02
33240802	25	1/2 BSPT	1/8 BSPT	7.24
33240804	25	1/2 BSPT	1/4 BSPT	7.24
33240806	25	1/2 BSPT	3/8 BSPT	7.24
33241204	10	3/4 BSPT	1/4 BSPT	16.71
33241206	10	3/4 BSPT	3/8 BSPT	14.24
33241208	10	3/4 BSPT	1/2 BSPT	14.24
33241608	1	1" BSPT	1/2 BSPT	36.53
33241612	1	1" BSPT	3/4 BSPT	34.80

3325



Hex Nipple

Part Number	Standard Pack	Tube	Pipe Thread	Price Per Piece
332502	25	-	1/8 BSPT	2.00
332504	25	-	1/4 BSPT	3.05
332506	25	-	3/8 BSPT	4.47
332508	10	-	1/2 BSPT	7.35
332512	5	-	3/4 BSPT	13.14
332516	1	-	1" BSPT	18.27

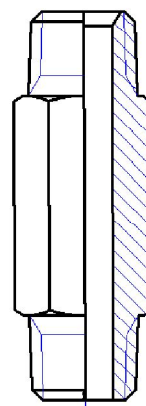
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Pipe Fittings

Long Hex Barrel Nipple

3327

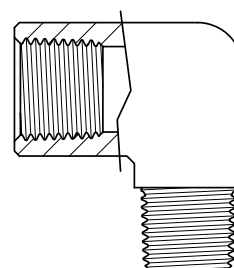
Part Number	Standard Pack	Pipe Thread	Length (Inches)	Price Per Piece
3327021.5	25	1/8 BSPT	1.5	3.91
3327022	25	1/8 BSPT	2	5.05
3327022.5	25	1/8 BSPT	2.5	4.79
3327023	25	1/8 BSPT	3	6.34
3327041.5	25	1/4 BSPT	1.5	5.69
3327042	25	1/4 BSPT	2	5.93
3327042.5	25	1/4 BSPT	2.5	7.83
3327043	25	1/4 BSPT	3	8.52
3327061.5	25	3/8 BSPT	1.5	6.89
3327062	25	3/8 BSPT	2	6.83
3327062.5	25	3/8 BSPT	2.5	8.92
3327063	20	3/8 BSPT	3	10.92
3327082	15	1/2 BSPT	2	11.84
3327082.5	10	1/2 BSPT	2.5	13.42
3327083	10	1/2 BSPT	3	14.62


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Male To Female 90° Elbow

3400

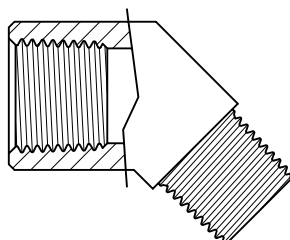
Part Number	Standard Pack	Pipe Thread (Female)	Pipe Thread (Male)	Price Per Piece
340002	25	1/8 BSPP	1/8 BSPT	5.57
340004	20	1/4 BSPP	1/4 BSPT	8.20
340006	10	3/8 BSPP	3/8 BSPT	16.91
340008	10	1/2 BSPP	1/2 BSPT	30.93



See Next Page For 45° Elbows

Pipe Fittings

340045

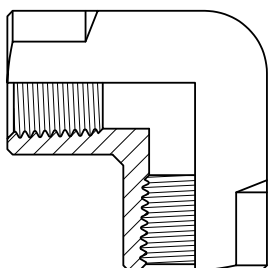


Male To Female 45° Elbow

Part Number	Standard Pack	Pipe Thread (Female)	Pipe Thread (Male)	Price Per Piece
34004502	5	1/8 BSPP	1/8 BSPT	9.29
34004504	5	1/4 BSPP	1/4 BSPT	13.63
34004506	5	3/8 BSPP	3/8 BSPT	22.96
34004508	5	1/2 BSPP	1/2 BSPT	34.47

See Previous Page For 90° Elbows.

3500



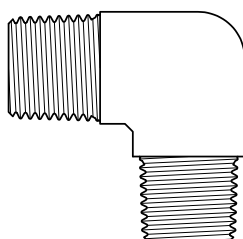
Female 90° Elbow

Part Number	Standard Pack	Tube	Pipe Thread	Price Per Piece
350002	10	-	1/8 BSPP	10.01
350004	10	-	1/4 BSPP	11.80
350006	10	-	3/8 BSPP	19.97
350008	10	-	1/2 BSPP	22.28

Female 45° Elbow

Part Number	Standard Pack	Tube	Pipe Thread	Price Per Piece
35004502	10	-	1/8 BSPP	10.02
35004504	10	-	1/4 BSPP	13.63
35004506	10	-	3/8 BSPP	22.96

3600

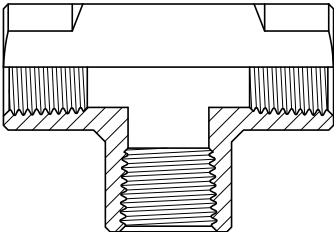
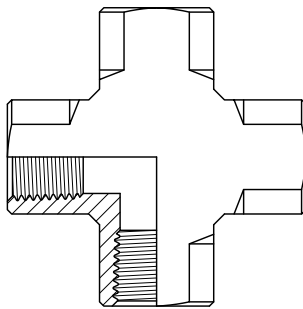
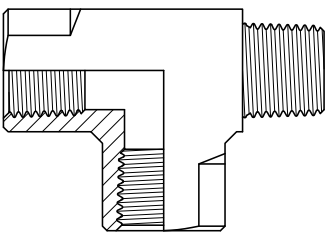


Male 90° Elbow

Part Number	Standard Pack	Pipe Thread (Male)	Pipe Thread (Male)	Price Per Piece
36000202	10	1/8 BSPT	1/8 BSPT	13.17
36000402	10	1/4 BSPT	1/8 BSPT	16.79
36000404	10	1/4 BSPT	1/4 BSPT	15.68
36000604	10	3/8 BSPT	1/4 BSPT	26.98
36000606	10	3/8 BSPT	3/8 BSPT	23.30
36000806	10	1/2 BSPT	3/8 BSPT	34.84
36000808	10	1/2 BSPT	1/2 BSPT	34.83

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Pipe Fittings

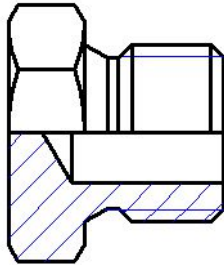
Female Tee					3700	
Part Number	Standard Pack	Tube	Pipe Thread (Female)	Price Per Piece		
370002	10	-	1/8 BSPP	8.70		
370004	10	-	1/4 BSPP	11.06		
370006	10	-	3/8 BSPP	23.55		
370008	10	-	1/2 BSPP	34.26		
Female Cross					3900	
Part Number	Standard Pack	Tube	Pipe Thread (Female)	Price Per Piece		
390002	10	-	1/8 BSPP	34.13		
390004	10	-	1/4 BSPP	35.14		
390006	10	-	3/8 BSPP	46.32		
390008	10	-	1/2 BSPP	54.14		
Male Run/Female Tee					4000	
Part Number	Standard Pack	Pipe Thread (Male)	Pipe Thread (Female)	Price Per Piece		
400002	10	1/8 BSPT	1/8 BSPT	12.84		
400004	10	1/4 BSPT	1/4 BSPT	16.49		
400006	10	3/8 BSPT	3/8 BSPT	28.63		
400008	-	1/2 BSPT	1/2 BSPT	34.27		

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Metric Pipe Fittings

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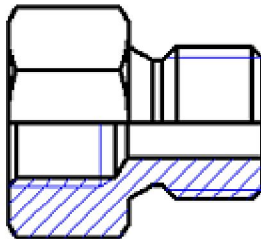
3152M



Metric Hex Plug

Part Number	Standard Pack	Tube	Pipe Thread	Price Per Piece
3152M12		-	M12x1.5	4.04
3152M14		-	M14x1.5	4.34
3152M16		-	M16x1.5	5.44
3152M18		-	M18x1.5	6.61
3152M20		-	M20x1.5	8.16
3152M22		-	M22x1.5	9.04
3152M24		-	M24x2	10.88

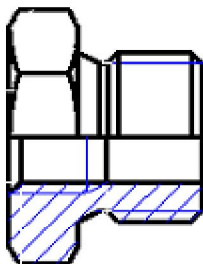
3200M



Male To Female Adaptor

Part Number	Standard Pack	Pipe Thread (Female)	Pipe Thread (Male)	Price Per Piece
3200M1202		1/8"BSP	M12x1.5	4.19
3200M1204		1/4"BSP	M12x1.5	5.14
3200M1404		1/4"BSP	M14x1.5	5.44
3200M1604		1/4"BSP	M16x1.5	5.66

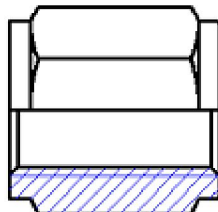
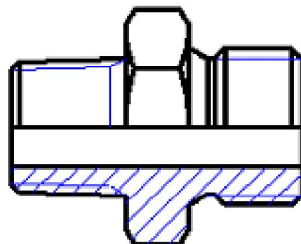
3224M



Reducing Bush

Part Number	Standard Pack	Pipe Thread (Female)	Pipe Thread (Male)	Price Per Piece
3224M1402		1/8"BSP	M14x1.5	4.04
3224M1602		1/8"BSP	M16x1.5	5.73
3224M1804		1/4"BSP	M18x1.5	8.45
3224M2004		1/4"BSP	M20x1.5	9.33
3224M2204		1/4"BSP	M22x1.5	10.07
3224M2206		3/8"BSP	M22x1.5	10.07
3224M2406		3/8"BSP	M24x2	12.42

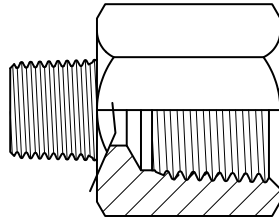
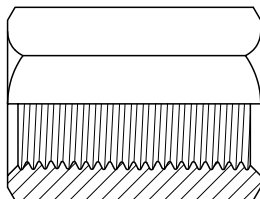
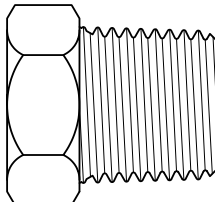
Metric Pipe Fittings

Hex Socket					3300M
Part Number	Standard Pack	Tube	Pipe Thread	Price Per Piece	
3300M12	*	-	M12x1.5	5.39	
3300M14	*	-	M14x1.5	5.95	
3300M16	*	-	M16x1.5	7.86	
3300M18	*	-	M18x1.5	9.41	
3300M20	*	-	M20x1.5	11.76	
3300M22	*	-	M22x1.5	12.71	
3300M24	*	-	M24x2	14.84	
Reducing Nipple					3324M
Part Number	Standard Pack	Pipe Thread	Pipe Thread	Price Per Piece	
3324M1202		1/8"BSPT	M12x1.5	4.70	
3324M1204		1/4" BSPT	M12x1.5	5.07	
3324M1404		1/4" BSPT	M14x1.5	5.51	
3324M1604		1/4" BSPT	M16x1.5	6.47	
3324M1804		1/4" BSPT	M18x1.5	8.89	
3324M2004		1/4" BSPT	M20x1.5	11.83	
3324M2006		3/8" BSPT	M20x1.5	11.83	
3324M2206		3/8" BSPT	M22x1.5	16.61	
3324M2406		3/8" BSPT	M24x2	22.12	
if requiring NPT Threads Put NPT at end of Part No (eg 3224xxxxNPT)					

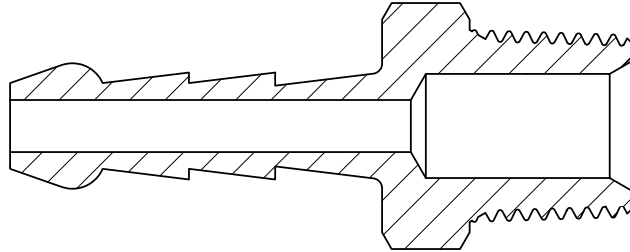
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NPT Pipe Fittings

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<h1>NPT3200BSP</h1> 	<h2>Male BSP to Female NPT adaptor</h2> <table><tr><th>Part Number</th><th>Standard Pack</th><th>Pipe Thread (Female)</th><th>Pipe Thread (Male)</th><th>Price Per Piece</th></tr><tr><td>NPT32000202BSP</td><td>1</td><td>1/8 NPT</td><td>1/8 BSPT</td><td>4.29</td></tr><tr><td>NPT32000404BSP</td><td>1</td><td>1/4 NPT</td><td>1/4 BSPT</td><td>4.60</td></tr><tr><td>NPT32000606BSP</td><td>1</td><td>3/8 NPT</td><td>3/8 BSPT</td><td>10.40</td></tr><tr><td>NPT32000808BSP</td><td>1</td><td>1/2 NPT</td><td>1/2 BSPT</td><td>11.71</td></tr></table>	Part Number	Standard Pack	Pipe Thread (Female)	Pipe Thread (Male)	Price Per Piece	NPT32000202BSP	1	1/8 NPT	1/8 BSPT	4.29	NPT32000404BSP	1	1/4 NPT	1/4 BSPT	4.60	NPT32000606BSP	1	3/8 NPT	3/8 BSPT	10.40	NPT32000808BSP	1	1/2 NPT	1/2 BSPT	11.71
Part Number	Standard Pack	Pipe Thread (Female)	Pipe Thread (Male)	Price Per Piece																						
NPT32000202BSP	1	1/8 NPT	1/8 BSPT	4.29																						
NPT32000404BSP	1	1/4 NPT	1/4 BSPT	4.60																						
NPT32000606BSP	1	3/8 NPT	3/8 BSPT	10.40																						
NPT32000808BSP	1	1/2 NPT	1/2 BSPT	11.71																						
<h1>3300NPT</h1> 	<h2>NPT Hex Socket</h2> <table><tr><th>Part Number</th><th>Standard Pack</th><th>NPT Thread</th><th>Price Per Piece</th></tr><tr><td>330002NPT</td><td>1</td><td>1/8</td><td>2.18</td></tr><tr><td>330004NPT</td><td>1</td><td>1/4</td><td>3.74</td></tr><tr><td>330006NPT</td><td>1</td><td>3/8</td><td>5.90</td></tr></table>	Part Number	Standard Pack	NPT Thread	Price Per Piece	330002NPT	1	1/8	2.18	330004NPT	1	1/4	3.74	330006NPT	1	3/8	5.90									
Part Number	Standard Pack	NPT Thread	Price Per Piece																							
330002NPT	1	1/8	2.18																							
330004NPT	1	1/4	3.74																							
330006NPT	1	3/8	5.90																							
<h1>3152NPT</h1> 	<h2>NPT Hex Plug</h2> <p>Available In Hollow and Solid Configuration</p> <table><tr><th>Part Number</th><th>Standard Pack</th><th>NPT Thread</th><th>Price Per Piece</th></tr><tr><td>315202NPT</td><td>1</td><td>1/8</td><td>1.23</td></tr><tr><td>315204NPT</td><td>1</td><td>1/4</td><td>1.89</td></tr><tr><td>315206NPT</td><td>1</td><td>3/8</td><td>2.81</td></tr><tr><td>315208NPT</td><td>1</td><td>1/2</td><td>5.45</td></tr></table>	Part Number	Standard Pack	NPT Thread	Price Per Piece	315202NPT	1	1/8	1.23	315204NPT	1	1/4	1.89	315206NPT	1	3/8	2.81	315208NPT	1	1/2	5.45					
Part Number	Standard Pack	NPT Thread	Price Per Piece																							
315202NPT	1	1/8	1.23																							
315204NPT	1	1/4	1.89																							
315206NPT	1	3/8	2.81																							
315208NPT	1	1/2	5.45																							

Airline



Using a special beaded barb design, TITON airline fittings provide unparalleled security against the hose pulling off the barb. They are available in sizes ranging from 3/16" to 1", and are manufactured from high quality DZR brass alloy.

ADVANTAGES

Almost impossible to pull hose off. The 6° barbs give exceptional sealing properties, while the end bead provides a shoulder preventing any longitudinal movement of the hose. For added integrity two hose clips may be used.

APPLICATIONS

Use with all rubber, plastic and other flexible hoses. Generally used where lower pressures (750 kPa) are encountered, although with the correct selection of hose and clamp, higher pressures can be accommodated.

WORKING PRESSURES

TITON AirLine Fittings should be used where lower pressures exist (1000 kPa [145 PSI] maximum).

ASSEMBLY

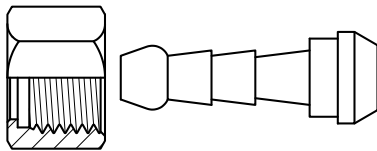
- I. Slide clamp onto hose.
- II. Push hose fully onto barb.
- III. Position clamp in the centre of the barb and tighten.

SPECIAL SIZES

Other sizes not specified are available upon request.

Airline

201

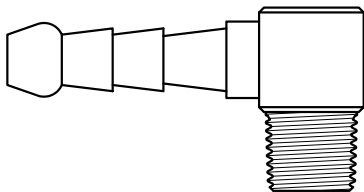


Swivel Connector

Consists of Nut and Hose Barb

Part Number	Standard Pack	Tube	Pipe Thread	Price Per Piece
2010302	50	3/16	G 1/8	13.29
2010304	50	3/16	G 1/4	3.72
2010404	50	1/4	G 1/4	3.72
2010406	50	1/4	G 3/8	5.98
2010408	*	1/4	G 1/2	14.47
2010504	50	5/16	G 1/4	3.79
2010506	25	5/16	G 3/8	5.98
2010508	25	5/16	G 1/2	10.85
2010604	25	3/8	G 1/4	4.88
2010606	25	3/8	G 3/8	5.98
2010608	25	3/8	G 1/2	9.94
2010806	25	1/2	G 3/8	9.94
2010808	25	1/2	G 1/2	9.94
2011212	5	3/4	G 3/4	27.30
2011616	5	1"	G 1"	40.16
201M1508	-	15mm	G 1/2	TBA

202

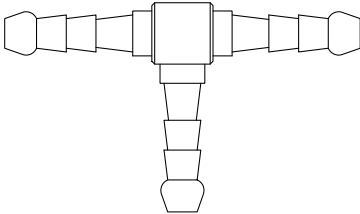


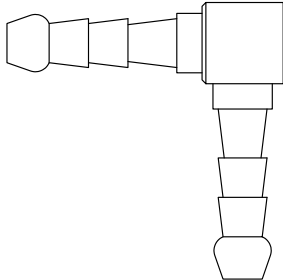
Male Elbow

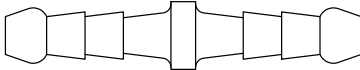
Part Number	Standard Pack	Tube	Pipe Thread	Price Per Piece
2020302	25	3/16	1/8 BSPT	10.19
2020402	25	1/4	1/8 BSPT	10.19
2020404	25	1/4	1/4 BSPT	14.20
2020502	25	5/16	1/8 BSPT	10.19
2020504	25	5/16	1/4 BSPT	12.43
2020602	25	3/8	1/8 BSPT	12.44
2020604	20	3/8	1/4 BSPT	12.44
2020606	20	3/8	3/8 BSPT	21.52
2020804	20	1/2	1/4 BSPT	17.85
2020806	20	1/2	3/8 BSPT	18.78
2020808	10	1/2	1/2 BSPT	22.89
2021006	10	5/8	3/8 BSPT	21.22
2021008	1	5/8	1/2 BSPT	26.49
2021208	1	3/4	1/2 BSPT	43.96
2021212	1	3/4	3/4 BSPT	42.23
2021612	1	1"	3/4 BSPT	50.62
2021616	1	1"	1" BSPT	42.28

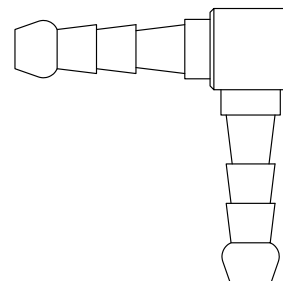
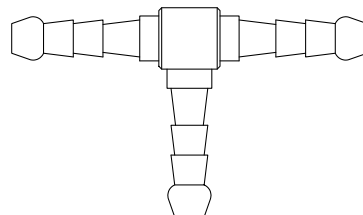
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AirLine Tee					<div>203</div> 
Part Number	Standard Pack	Tube	Pipe Thread	Price Per Piece	
20303	10	3/16	-	12.44	
20304	10	1/4	-	12.44	
20305	10	5/16	-	12.44	
20306	10	3/8	-	18.12	
20308	10	1/2	-	33.03	
20310	10	5/8	-	39.83	
20312	1	3/4	-	48.97	
20316	1	1"	-	66.27	
* ALSO AVAILABLE AS Y-PIECE CODE 06075-SIZE					

AirLine Elbow					<div>204</div> 
Part Number	Standard Pack	Tube	Pipe Thread	Price Per Piece	
20403	25	3/16	-	9.78	
20404	25	1/4	-	9.78	
20405	20	5/16	-	9.78	
20406	20	3/8	-	13.63	
20408	20	1/2	-	18.12	
20410	10	5/8	-	25.14	
20412	1	3/4	-	39.79	

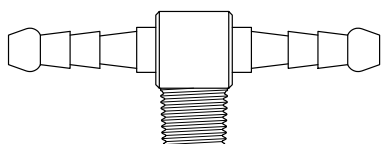
AirLine Joiner					<div>205</div> 
Part Number	Standard Pack	Tube	Tube	Price Per Piece	
20503	25	3/16	-	4.44	
20504	25	1/4	-	4.44	
20505	20	5/16	-	4.44	
20506	20	3/8	-	4.73	
20508	20	1/2	-	6.47	
20510	10	5/8	-	7.24	
20512	10	3/4	-	23.66	
20516	10	1"	-	28.53	



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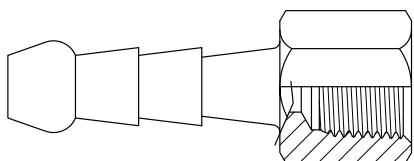
206



Male Branch Tee

Part Number	Standard Pack	Tube	Pipe Thread	Price Per Piece
2060302	20	3/16	1/8 BSPT	12.07
2060402	20	1/4	1/8 BSPT	12.07
2060404	20	1/4	1/4 BSPT	15.86
2060502	20	5/16	1/8 BSPT	12.07
2060504	20	5/16	1/4 BSPT	15.86
2060602	20	3/8	1/8 BSPT	14.62
2060604	20	3/8	1/4 BSPT	17.85
2060606	20	3/8	3/8 BSPT	18.72
2060806	20	1/2	3/8 BSPT	26.79
2060808	10	1/2	1/2 BSPT	35.72
2061006	10	5/8	3/8 BSPT	36.62
2061212	1	3/4	3/4 BSPT	38.02

207



Female Connector

Part Number	Standard Pack	Tube	Pipe Thread	Price Per Piece
2070302	50	3/16	1/8 BSPP	4.94
2070304	50	3/16	1/4 BSPP	4.94
2070402	50	1/4	1/8 BSPP	4.87
2070404	25	1/4	1/4 BSPP	4.53
2070406	25	1/4	3/8 BSPP	7.82
2070408	25	1/4	1/2 BSPP	9.00
2070502	25	5/16	1/8 BSPP	4.94
2070504	25	5/16	1/4 BSPP	4.53
2070506	25	5/16	3/8 BSPP	7.35
2070602	25	3/8	1/8 BSPP	4.87
2070604	20	3/8	1/4 BSPP	4.53
2070606	20	3/8	3/8 BSPP	7.35
2070608	20	3/8	1/2 BSPP	13.31
2070804	20	1/2	1/4 BSPP	5.69
2070806	20	1/2	3/8 BSPP	8.74
2070808	10	1/2	1/2 BSPP	13.31
2071006	10	5/8	3/8 BSPP	15.75
2071212	-	3/4	3/4 BSPP	26.21

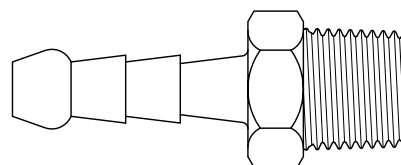
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Male Connector

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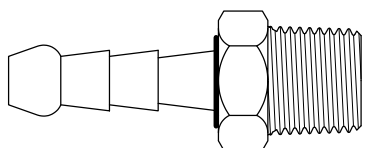
Part Number	Standard Pack	Tube	Pipe Thread	Price Per Piece
2090302	50	3/16	1/8 BSPT	2.76
2090304	50	3/16	1/4 BSPT	3.94
2090402	50	1/4	1/8 BSPT	2.57
2090404	25	1/4	1/4 BSPT	3.05
2090406	25	1/4	3/8 BSPT	7.04
2090408	25	1/4	1/2 BSPT	10.15
2090412	25	1/4	3/4 BSPT	21.56
2090502	25	5/16	1/8 BSPT	2.57
2090504	25	5/16	1/4 BSPT	3.05
2090506	25	5/16	3/8 BSPT	7.09
2090508	25	5/16	1/2 BSPT	8.94
2090602	25	3/8	1/8 BSPT	2.57
2090604	20	3/8	1/4 BSPT	2.81
2090606	20	3/8	3/8 BSPT	5.06
2090608	20	3/8	1/2 BSPT	8.94
2090612	20	3/8	3/4 BSPT	21.15
2090802	-	1/2	1/8 BSPT	5.39
2090804	20	1/2	1/4 BSPT	3.69
2090806	20	1/2	3/8 BSPT	5.12
2090808	10	1/2	1/2 BSPT	8.30
2090812	10	1/2	3/4 BSPT	21.15
2091004	10	5/8	1/4 BSPT	8.30
2091006	10	5/8	3/8 BSPT	8.30
2091008	10	5/8	1/2 BSPT	10.24
2091012	10	5/8	3/4 BSPT	21.15
2091204	10	3/4	1/4 BSPT	11.78
2091206	10	3/4	3/8 BSPT	16.60
2091208	10	3/4	1/2 BSPT	13.96
2091212	5	3/4	3/4 BSPT	21.15
2091216	5	3/4	1" BSPT	26.61
2091608	5	1"	1/2 BSPT	26.61
2091612	5	1"	3/4 BSPT	26.61
2091616	5	1"	1" BSPT	26.61



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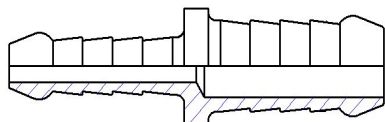


Swivel Male Connector

Hose Is Free To Rotate Independently.

Part Number	Standard Pack	Tube	Pipe Thread	Price Per Piece
209ST0404	-	1/4	1/4 BSPT	16.67
209ST0606	-	3/8	3/8 BSPT	17.54
209ST0808	-	1/2	1/2 BSPT	21.67
209ST1212	-	3/4	3/4 BSPT	34.40

205R



Air Line Joiner

Part Number	Standard Pack	Tube	Tube	Price Per Piece
205R0403	25	1/4	3/16	4.80
205R0504	20	5/16	1/4	4.80
205R0604	20	3/8	1/4	5.11
205R0605	20	3/8	5/16	5.11
205R0805	20	1/2	5/16	6.99
205R0806	20	1/2	3/8	6.99
205R1006	10	5/8	3/8	7.81
205R1008	10	5/8	1/2	7.81
205R1208	10	3/4	1/2	25.55
205R1210	10	3/4	5/8	25.55
205R1612	10	1"	3/4	30.81

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Conversion Tables

Pressure		
PSI	kPa	BAR
100	689	6.89
200	1379	13.79
300	2068	20.68
400	2758	27.58
500	3447	34.47
600	4137	41.37
700	4826	48.26
800	5516	55.16
900	6205	62.05
1000	6895	68.95
1100	7584	75.84
1200	8274	82.74
1300	8963	89.63
1400	9653	96.53
1500	10342	103.4

Torque			
ftlb	Nm	Nm	ftlb
10	14	10	7
20	27	20	15
30	41	30	22
40	54	40	30
50	68	50	37
60	81	60	44
70	95	70	52
80	108	80	59
90	122	90	66
100	136	100	74
110	149	110	81
120	163	120	89
130	176	130	96
140	190	140	103
150	203	150	111
160	217	160	118
170	230	170	125
180	244	180	133
190	257	190	140
200	271	200	148
1 ftlb = 1.36 Nm		1 Nm = 0.738 ftlb	

Threads Used on Brass Fittings								
Tube Size	1/8	3/16	1/4	5/16	3/8	1/2	5/8	3/4
45° Flare	5/16-24	3/8-24	7/16-20	1/2-20	5/8-18	3/4-16	7/8-14	1" 1/16-14
	UNF	UNF	UNF	UNF	UNF	UNF	UNF	UN
Inverted Flare	5/16-28	3/8-24	7/16-24	1/2-20	5/8-18	3/4-18	7/8-18	1" 1/16-14
	UN	UNF	UNS	UNF	UNF	UNS	UNS	UN
Compression	5/16-24	3/8-24	7/16-24	1/2-24	9/16-24	11/16-20	13/16-18	1"-18
	UNF	UNF	UNS	UNS	UNEF	UN	UN	UNS

Lever Taps & Cocks



TAPS

Lever Taps are precision manufactured and ground to ensure positive shut off action. They are available in sizes ranging from 1/8" to 1/2", and are manufactured from high quality grade brass alloy.

ADVANTAGES

Lever Taps are compact and particularly suitable for confined spaces. Ground spindle and seat provide good metal to metal sealing properties.

APPLICATIONS


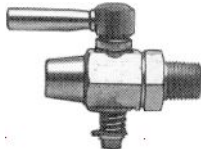
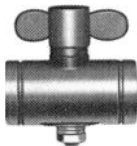
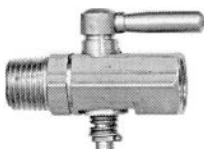
Use where lower pressures exist and precise volume/pressure control is not required. Suitable for fuel, air and water.

WORKING PRESSURES

Lever Taps should be used where pressures do not exceed 825 kPa [120 PSI].

Lever Taps & Cocks

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<div>DB1</div> <div></div>	<div>Bent Drain Cock</div> <table><tr><th>Part Number</th><th>Standard Pack</th><th>Tube</th><th>Pipe Thread</th><th>Price Per Piece</th></tr><tr><td>042064-B02</td><td>1</td><td>-</td><td>1/8 BSPT</td><td>32.96</td></tr><tr><td>042064-B04</td><td>1</td><td>-</td><td>1/4 BSPT</td><td>32.96</td></tr><tr><td>042064-CB04</td><td>1</td><td>-</td><td>1/4 BSPT</td><td>44.04</td></tr><tr><td colspan="5">042064-CB04 is Chrome Plated</td></tr></table>	Part Number	Standard Pack	Tube	Pipe Thread	Price Per Piece	042064-B02	1	-	1/8 BSPT	32.96	042064-B04	1	-	1/4 BSPT	32.96	042064-CB04	1	-	1/4 BSPT	44.04	042064-CB04 is Chrome Plated				
Part Number	Standard Pack	Tube	Pipe Thread	Price Per Piece																						
042064-B02	1	-	1/8 BSPT	32.96																						
042064-B04	1	-	1/4 BSPT	32.96																						
042064-CB04	1	-	1/4 BSPT	44.04																						
042064-CB04 is Chrome Plated																										
<div>DT3</div> <div></div> <div>IN LINE OFF</div>	<div>Drain Cock</div> <table><tr><th>Part Number</th><th>Standard Pack</th><th>Tube</th><th>Pipe Thread</th><th>Price Per Piece</th></tr><tr><td>042064-02</td><td>1</td><td>-</td><td>1/8 BSPT</td><td>25.57</td></tr><tr><td>042064-04</td><td>1</td><td>-</td><td>1/4 BSPT</td><td>25.57</td></tr><tr><td>042064-06</td><td>1</td><td>-</td><td>3/8 BSPT</td><td>51.19</td></tr></table>	Part Number	Standard Pack	Tube	Pipe Thread	Price Per Piece	042064-02	1	-	1/8 BSPT	25.57	042064-04	1	-	1/4 BSPT	25.57	042064-06	1	-	3/8 BSPT	51.19					
Part Number	Standard Pack	Tube	Pipe Thread	Price Per Piece																						
042064-02	1	-	1/8 BSPT	25.57																						
042064-04	1	-	1/4 BSPT	25.57																						
042064-06	1	-	3/8 BSPT	51.19																						
<div>104</div> <div></div>	<div>Female Lever Tap</div> <table><tr><th>Part Number</th><th>Standard Pack</th><th>Tube</th><th>Pipe Thread</th><th>Price Per Piece</th></tr><tr><td>042026-02</td><td>1</td><td>-</td><td>1/8 BSPP</td><td>28.33</td></tr><tr><td>042026-04</td><td>1</td><td>-</td><td>1/4 BSPP</td><td>28.33</td></tr></table>	Part Number	Standard Pack	Tube	Pipe Thread	Price Per Piece	042026-02	1	-	1/8 BSPP	28.33	042026-04	1	-	1/4 BSPP	28.33										
Part Number	Standard Pack	Tube	Pipe Thread	Price Per Piece																						
042026-02	1	-	1/8 BSPP	28.33																						
042026-04	1	-	1/4 BSPP	28.33																						
<div>404</div> <div></div>	<div>Male To Female Lever Tap</div> <table><tr><th>Part Number</th><th>Standard Pack</th><th>Pipe Thread (Female)</th><th>Pipe Thread (Male)</th><th>Price Per Piece</th></tr><tr><td>042072-02</td><td>1</td><td>1/8 BSPP</td><td>1/8 BSPT</td><td>28.67</td></tr><tr><td>042072-04</td><td>1</td><td>1/4 BSPP</td><td>1/4 BSPT</td><td>28.67</td></tr></table>	Part Number	Standard Pack	Pipe Thread (Female)	Pipe Thread (Male)	Price Per Piece	042072-02	1	1/8 BSPP	1/8 BSPT	28.67	042072-04	1	1/4 BSPP	1/4 BSPT	28.67										
Part Number	Standard Pack	Pipe Thread (Female)	Pipe Thread (Male)	Price Per Piece																						
042072-02	1	1/8 BSPP	1/8 BSPT	28.67																						
042072-04	1	1/4 BSPP	1/4 BSPT	28.67																						

Needle Valves



Needle Valves allow precise control from fully off to fully on. Manufactured from high quality DZR brass alloy, Needle Valves are available in a variety of connections with sizes ranging from 1/8" to 3/8". In all needle valves Viton o'rings are used.

ADVANTAGES

Precise control due to metal to metal seals and fine thread screw-down. Good pressure rating. Suitable for fuels, water and air.

APPLICATIONS

Precision instrumentation, hydraulic control systems, and anywhere precise control is needed.

WORKING PRESSURES AND TEMPERATURE

TITON Needle Valves should not be used where pressures exceed 3447 kPa [500 PSI] or 100°C.




ASSEMBLY

Where possible, pressure side should be toward valve seat, not spindle.

All Needle valves except NV41, NV43, NVP40 are approved for use with gas (A.G.A. Approval :4104).

Operating Temperature 0 to +90°




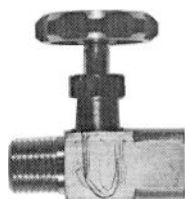
Needle Valves

<div>NV40</div> <div></div>	<div>45° Flare Angle Needle Valve</div> <table><tr><th>Part Number</th><th></th><th>Standard Pack</th><th>Tube</th><th>Pipe Thread</th><th>Price Per Piece</th></tr><tr><td>041008-0402</td><td>*</td><td>1</td><td>1/4</td><td>1/8 BSPT</td><td>41.15</td></tr><tr><td>041008-0502</td><td>*</td><td>1</td><td>5/16</td><td>1/8 BSPT</td><td>53.26</td></tr><tr><td>041008-0604</td><td>*</td><td>1</td><td>3/8</td><td>1/4 BSPT</td><td>67.76</td></tr></table>	Part Number		Standard Pack	Tube	Pipe Thread	Price Per Piece	041008-0402	*	1	1/4	1/8 BSPT	41.15	041008-0502	*	1	5/16	1/8 BSPT	53.26	041008-0604	*	1	3/8	1/4 BSPT	67.76						
Part Number		Standard Pack	Tube	Pipe Thread	Price Per Piece																										
041008-0402	*	1	1/4	1/8 BSPT	41.15																										
041008-0502	*	1	5/16	1/8 BSPT	53.26																										
041008-0604	*	1	3/8	1/4 BSPT	67.76																										
<div>NV41</div> <div></div>	<div>Compression Angle Needle Valve</div> <table><tr><th>Part Number</th><th></th><th>Standard Pack</th><th>Tube</th><th>Pipe Thread</th><th>Price Per Piece</th></tr><tr><td>041005-0302</td><td>*</td><td>1</td><td>3/16</td><td>1/8 BSPT</td><td>44.04</td></tr><tr><td>041005-0402</td><td>*</td><td>1</td><td>1/4</td><td>1/8 BSPT</td><td>31.59</td></tr><tr><td>041005-0502</td><td>*</td><td>1</td><td>5/16</td><td>1/8 BSPT</td><td>38.35</td></tr><tr><td>041005-0604</td><td>*</td><td>1</td><td>3/8</td><td>1/4 BSPT</td><td>47.36</td></tr></table>	Part Number		Standard Pack	Tube	Pipe Thread	Price Per Piece	041005-0302	*	1	3/16	1/8 BSPT	44.04	041005-0402	*	1	1/4	1/8 BSPT	31.59	041005-0502	*	1	5/16	1/8 BSPT	38.35	041005-0604	*	1	3/8	1/4 BSPT	47.36
Part Number		Standard Pack	Tube	Pipe Thread	Price Per Piece																										
041005-0302	*	1	3/16	1/8 BSPT	44.04																										
041005-0402	*	1	1/4	1/8 BSPT	31.59																										
041005-0502	*	1	5/16	1/8 BSPT	38.35																										
041005-0604	*	1	3/8	1/4 BSPT	47.36																										
<div>NV43</div> <div></div>	<div>Compression Male Needle Valve</div> <table><tr><th>Part Number</th><th></th><th>Standard Pack</th><th>Tube</th><th>Pipe Thread</th><th>Price Per Piece</th></tr><tr><td>041003-0302</td><td></td><td>1</td><td>3/16</td><td>1/8 BSPT</td><td>44.04</td></tr><tr><td>041003-0402</td><td></td><td>1</td><td>1/4</td><td>1/8 BSPT</td><td>41.33</td></tr></table>	Part Number		Standard Pack	Tube	Pipe Thread	Price Per Piece	041003-0302		1	3/16	1/8 BSPT	44.04	041003-0402		1	1/4	1/8 BSPT	41.33												
Part Number		Standard Pack	Tube	Pipe Thread	Price Per Piece																										
041003-0302		1	3/16	1/8 BSPT	44.04																										
041003-0402		1	1/4	1/8 BSPT	41.33																										

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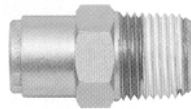
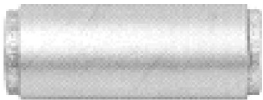
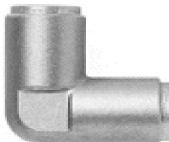

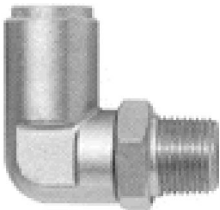
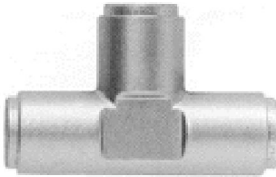

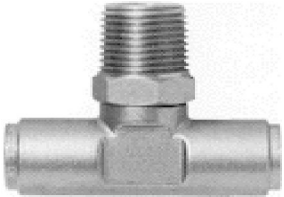
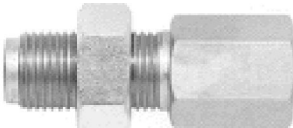


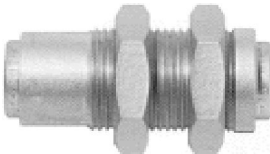

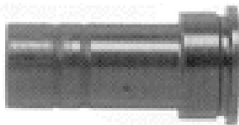
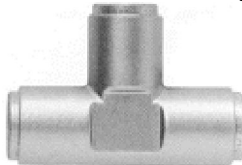
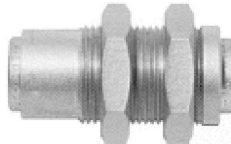
Needle Valves

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Barb Angle Needle Valve					NVP40 
Part Number	Standard Pack	Tube	Pipe Thread	Price Per Piece	
041606-0302	1	3/16	1/8 BSPT	51.31	
041606-0402	1	1/4	1/8 BSPT	45.38	
041606-0502	1	5/16	1/8 BSPT	50.03	
041606-0504	1	5/16	1/4 BSPT	47.46	
041606-0604	1	3/8	1/4 BSPT	54.33	
Female Needle Valve					NV104 
Part Number	Standard Pack	Tube	Pipe Thread	Price Per Piece	
041026-02	1	-	1/8 BSPP	36.34	
041026-04	1	-	1/4 BSPP	34.64	
041026-06	1	-	3/8 BSPP	45.58	
Male Needle Valve					NV105 
Part Number	Standard Pack	Tube	Pipe Thread	Price Per Piece	
041027-02	1	-	1/8 BSPT	28.33	
041027-04	1	-	1/4 BSPT	32.63	
Male to Female Needle Valve					NV404 
Part Number	Standard Pack	Pipe Thread (Female)	Pipe Thread (Male)	Price Per Piece	
041072-02	1	1/8 BSPP	1/8 BSPT	46.84	
041072-04	1	1/4 BSPP	1/4 BSPT	39.70	

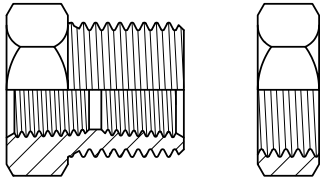
Fleet Fit

Fleet fit push-in fittings are now available from Titon. Please call us for sizes, prices and any other information you require.

IMPERIAL		METRIC
<p>NO FF3 MALE CONNECTOR 35003</p> 	<p>NO.FF13 MALE RUN TEE 35013</p> 	<p>NO FFM3 MALE CONNECTOR 35003 - M</p> 
<p>NO. FF4 TUBE UNION 35004</p> 	<p>NO.FF11 TUBE ELBOW 35011</p> 	<p>NO. FFM4 TUBE UNION 35004 - M</p> 
<p>NO.FF5 MALE ELBOW 35005</p> 	<p>NO. FF14 TUBE TEE 35014</p> 	<p>NO.FFM5 MALE ELBOW 35005-M</p> 
<p>NO.FF12 MALE BRANCH TEE 35012</p> 	<p>NO. FF31F FEMALE BULKHEAD 35031 - F</p> 	<p>NO.FFM12 MALE BRANCH TEE 35012 - M</p> 
<p>NO.FF5 45° MALE ELBOW 35005 - 45</p> 	<p>NO. FF31 BULKHEAD UNION 35031</p> 	<p>NO.FFM11 TUBE ELBOW 35011 - M</p> 
	<p>NO.FF64 BLANKING PLUG 35064</p> 	<p>NO. FFM14 TUBE TEE 35014 - M</p> 
		<p>NO. FFM31 BULKHEAD UNION 35031 - M</p> 

Working pressure 0 - 1050kPa (0 - 150psi) designed for - heavy transport industry Airbrake systems -
Airbrake tube SAE J844 Dot - rated brass

BUL

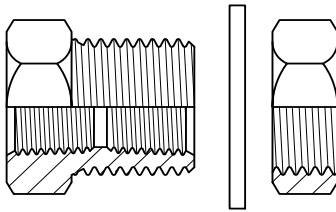


Lightweight Bulkhead Union

Complete with nut.

Part Number	Standard Pack	Length (mm)	Male Thread	Pipe Thread	Price Per Piece
BU02L	2	27	1/4 BSPF	1/8 BSPP	9.97
BU04L	2	30	3/8 BSPF	1/4 BSPP	12.79

BU

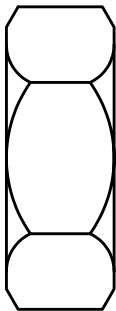


Bulkhead Union

Complete with lock washer and nut.

Part Number	Standard Pack	Length (Inches)	Male Thread	Pipe Thread	Price Per Piece
BU02	2	1.5	5/8 UNF	1/8 BSPT	18.86
BU04	2	1.5	3/4 UNF	1/4 BSPT	22.98
BU06	2	1.5	7/8 UNF	3/8 BSPT	34.48

111



Lock Nut

Part Number	Standard Pack	Tube	Thread	Price Per Piece
11102	5	-	G 1/8	1.37
11104	5	-	G 1/4	2.01
11106	5	-	G 3/8	3.00
11108	5	-	G 1/2	4.48
11112	-	-	G 3/4	5.35
11116	1	-	G 1"	7.46

06775



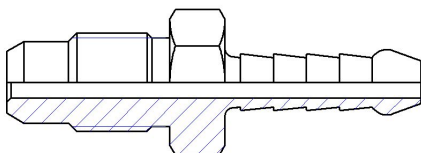
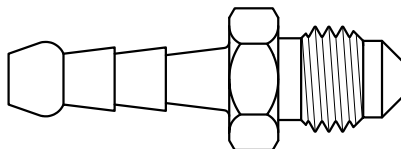
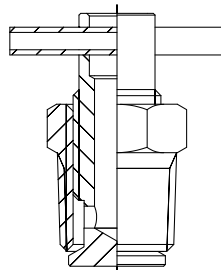
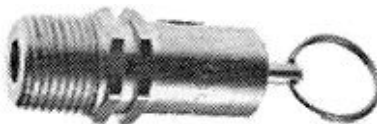
Self Store Fitting

Part Number	Standard Pack	Tube	Pipe Thread	Price Per Piece
06775-0404	1	1/4	1/4	22.80
06775-0604	1	3/8	1/4	27.56
06775-0606	1	3/8	3/8	27.56
06775-0808	1	1/2	1/2	33.25

MISC

Miscellaneous

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Fuel Filter Adaptor - Long Nose					06C
Part Number	Standard Pack	Tube	Thread	Price Per Piece	
06C-604	10	1/4	1/2 x 20 TPI	8.84	
06C-605	10	5/16	1/2 x 20 TPI	8.84	
06C-606	10	3/8	1/2 x 20 TPI	8.84	
06C-704		1/4 BSP		8.19	
06C-804	ELBOW	1/4 BSP		19.14	
Fuel Filter Adaptor					6C
Part Number	Standard Pack	Tube	Thread	Price Per Piece	
6C0405	10	1/4	1/2 x 20 TPI	8.85	
6C0505	10	5/16	1/2 x 20 TPI	8.85	
6C0605	10	3/8	1/2 x 20 TPI	8.85	
Drain Cock					DC
Part Number	Standard Pack	Tube	Pipe Thread	Price Per Piece	
DC2	1	-	1/8 BSPT	10.92	
DC4	1	-	1/4 BSPT	12.80	
DC6	1	-	3/8 BSPT	15.01	
DC8	1	-	1/2 BSPT	17.01	
Relief Valve					TF206
Part Number	Standard Pack	Release Pressure	Pipe Thread	Price Per Piece	
046406-1050-0	1	1050 kPa	1/4 BSPT	26.99	
046406-1050-0	1	1050 kPa	3/8 BSPT	26.99	
046406-1050-0	1	1050 kPa	1/2 BSPT	26.99	

Hose Clips

295


Mild Steel Jubilee Hose Clips

These clips are zinc plated and approved to BS5315.

Part Number	Standard Pack	Size	Diameter min (mm)	Diameter max (mm)	Price Per Piece
295-012	10	OOO	9.5	12	1.14
295-016	10	MOO	11	16	1.14
295-020	10	OO	13	20	1.14
295-022	10	0	16	22	1.32
295-025	10	OX	18	25	1.36
295-030	10	1A	22	30	1.36
295-035	10	1	25	35	1.51
295-040	10	1X	30	40	1.61
295-050	10	2A	35	50	1.66
295-055	10	2	40	55	1.80
295-060	10	2X	45	60	2.20
295-070	10	3	55	70	2.20
295-080	10	3X	60	80	2.33
295-090	10	4	70	90	2.33
295-100	10	4X	85	100	2.43
295-120	10	5	90	120	2.49
295-140	10	6	120	140	2.64
295-165	10	7	135	165	2.89
295-190	10	7½	160	190	4.53

296


Stainless Steel Jubilee Hose Clips

These clips are approved to BS5315.

Part Number	Standard Pack	Size	Diameter min (mm)	Diameter max (mm)	Price Per Piece
296-012	10	OOO	9.5	12	3.32
296-016	10	MOO	11	16	3.32
296-020	10	OO	13	20	3.32
296-022	10	0	16	22	3.39
296-025	10	OX	18	25	3.89
296-030	10	1A	22	30	3.90
296-035	10	1	25	35	4.02
296-040	10	1X	30	40	4.00
296-050	10	2A	35	50	4.38
296-055	10	2	40	55	4.60
296-060	10	2X	45	60	4.79
296-070	10	3	55	70	5.13
296-080	10	3X	60	80	5.34
296-090	10	4	70	90	5.74
296-100	10	4X	85	100	5.88
296-120	10	5	90	120	6.22
296-140	10	6	120	140	6.55
296-165	10	7	135	165	7.91

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Hose Clips

Oetiker 2-Ear Clamps - 5000 kPa

Select nominal clamp size nearest to, but larger than hose OD

Part Number	Standard Pack	Nominal Size	Open Size mm	Closed Size mm	Price Per Piece
1105-03	25	3/16	5	3	0.69
1107-04	25	1/4	7	5	0.72
1109-05	25	5/16	9	7	0.82
1111-07	25	7/16	11	9	0.86
1113-08	25	1/2	13	11	0.89
1115-09	25	9/16	15	13	1.02
1118-10	25	5/8	18	15	1.28
1120-12	25	3/4	20	17	1.14
1123-14	25	7/8	23	20	1.63
1125-15	25	15/16	25	22	2.17
1127-16	25	1"	27	23	2.01
1128-17	25	1" 1/16	28	25	2.33
1134-21	25	1" 5/16	34	31	4.10
281099	1	CRIMPING PLIERS			
		46			87.69
		43			

11

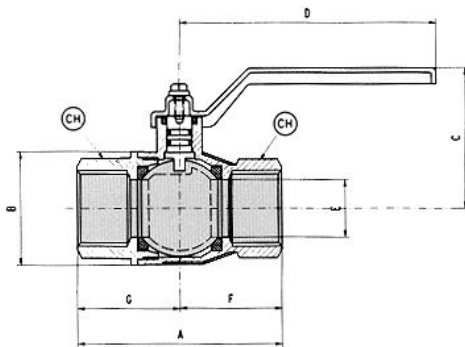


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Ball Valves (AGA GAS APPROVED)

070

"BERLIN"
FULL FLOW BALL VALVE
FOR GAS ISO 7/1
Rp FEMALE/FEMALE



TECHNICAL FEATURES:

Suitable for industrial, pneumatic, domestic and hydraulic installation: hot water, dry steam, unleaded gasoline, fuel, gas-oil, kerosene, oils, **GAS**, compressed air, etc. (not suitable with methyl alcohol and saturated steam).

Maximum working Temperature: 60°C

Minimum working temperature: -20°C

Working pressure for gas: PN1 to PN4 (see diagram on page 68), for other purposes (see diagram)

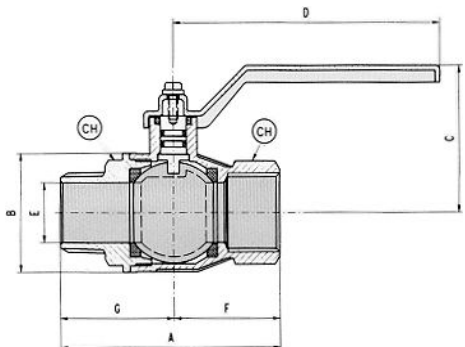
Available in all sizes from 1/4" up to 2"

Thread to BS21-DIN 2999-ISO 7/1 Rp parallel female/female.

CODE	V301	V302	V303	V304	V305	V306	V307	V308
SIZE	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
A	51	60	75	80	90	110	120	140
B	25.5	25.5	32.5	42	49.5	59.5	72	86
C	40	40	50	59	63	77	91	97
D	80	80	89	113	113	138	158	158
E	10	10	15	20	25	32	40	50
F	25.5	29.75	37.5	40	45.25	55	60	70.25
G	25.5	29.75	37.5	40	45.25	55	60	70.25
PRICE	13.35	12.61	16.34	24.89	35.91	57.74	81.97	107.89

071

"BERLIN"
FULL FLOW BALL VALVE
FOR GAS ISO 7/1
R MALE/FEMALE



TECHNICAL FEATURES:

Suitable for industrial, pneumatic, domestic and hydraulic installation: hot water, dry steam, unleaded gasoline, fuel, gas-oil, kerosene, oils, **GAS**, compressed air, etc. (not suitable with methyl alcohol and saturated steam).

Maximum working Temperature: 60°C

Minimum working temperature: -20°C

Working pressure for gas: PN1 to PN4 (see diagram on page 68), for other purposes (see diagram)

Available in all sizes from 1/4" up to 2"

Thread to BS21-DIN 2999-ISO 7/1 Rp parallel female/female.

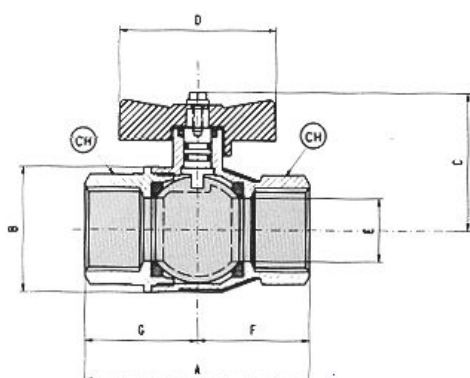
CODE	V321	V322	V323	V324	V325	V326	V327	V328
SIZE	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
A	58	63	77	84	92	110	121	141
B	25.5	25.5	32.5	42	49.5	59.5	72	86
C	40	40	50	59	63	77	91	97
D	80	80	89	113	113	138	158	158
E	10	10	15	20	25	32	40	50
F	28.75	31.5	38.5	42	46	55	60.5	70.5
G	28.75	31.5	38.5	42	46	55	60.5	70.5
PRICE	13.19	13.86	17.19	25.37	36.40	57.02	80.47	110.13

Ball Valves (AGA GAS APPROVED)

Nickle Plated Brass

072

"BERLIN"
FULL FLOW BALL VALVE
FOR GAS ISO 7/1
Rp FEMALE/FEMALE
T HANDLE



TECHNICAL FEATURES:

Suitable for industrial, pneumatic, domestic and hydraulic installation: hot water, dry steam, gasoline, fuel, gas-oil, kerosene, oils, GAS, compressed air, etc. (not suitable with methyl alcohol and saturated steam).

Maximum working Temperature: 60°C

Minimum working temperature: -20°C

Working pressure for gas: PN1 to PN4 (see diagram on page 68), for other purposes (see diagram)

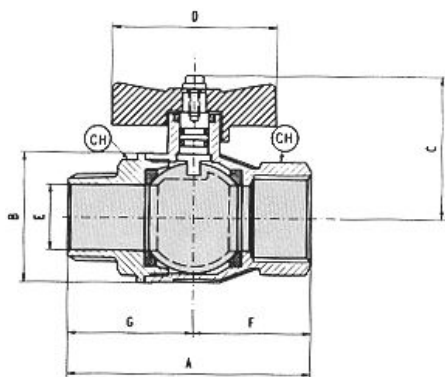
Available in all sizes from 1/4" up to 2"

Thread to BS21-DIN 2999-ISO 7/1 Rp parallel female/female.

CODE	V351	V352	V353	V354	V355
SIZE	1/4"	3/8"	1/2"	3/4"	1"
A	51	60	75	80	90
B	25.5	25.5	32.5	42	49.5
C	37	37	47	49	52
D	54	54	54	63	63
E	10	10	15	20	25
F	25.5	29.75	37.5	40	45.25
G	25.5	29.75	37.5	40	45.25
PRICE	12.05	12.61	16.38	24.82	36.05

073

"BERLIN"
FULL FLOW BALL VALVE
FOR GAS ISO 7/1
R MALE/FEMALE
T HANDLE



TECHNICAL FEATURES:

Suitable for industrial, pneumatic, domestic and hydraulic installation: hot water, dry steam, unleaded gasoline, fuel, gas-oil, kerosene, oils, GAS, compressed air, etc. (not suitable with methyl alcohol and saturated steam).

Maximum working Temperature: 60°C

Minimum working temperature: -20°C

Working pressure for gas: PN1 to PN4 (see diagram on page 68), for other purposes (see diagram)

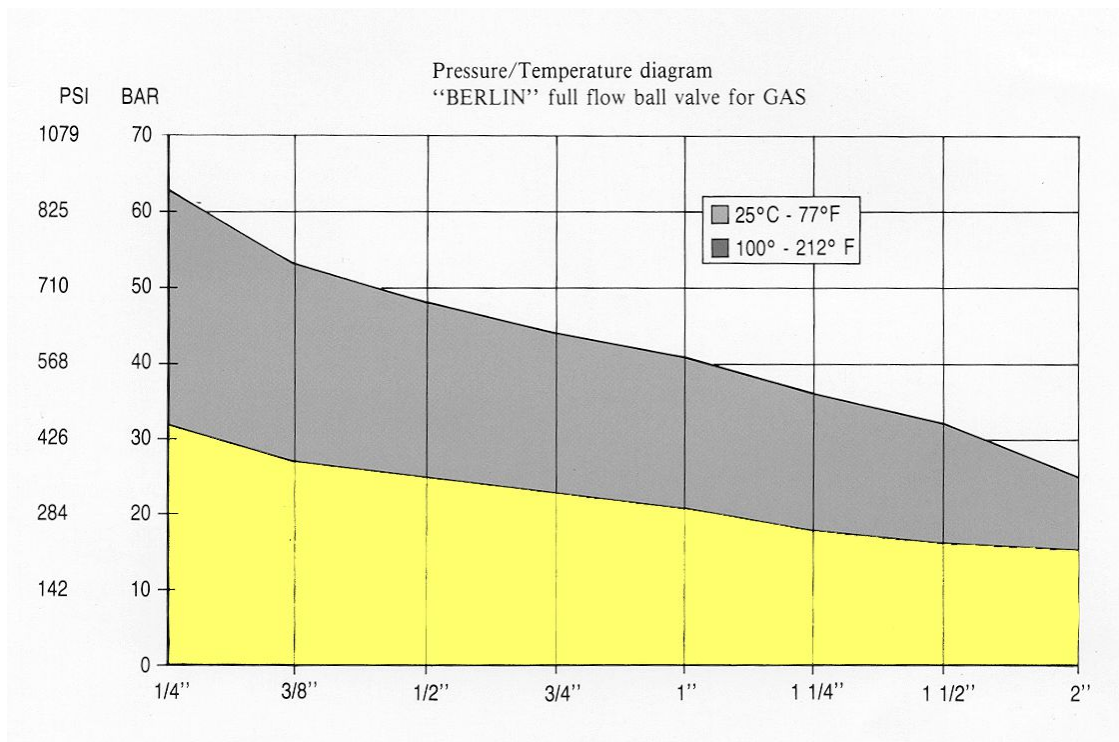
Available in all sizes from 1/4" up to 2"

Thread to BS21-DIN 2999-ISO 7/1 Rp parallel female/female.

CODE	V371	V372	V373	V374	V375
SIZE	1/4"	3/8"	1/2"	3/4"	1"
A	58	63	77	84	92
B	25.5	25.5	32.5	42	49.5
C	37	37	47	49	52
D	54	54	54	63	63
E	10	10	15	20	25
F	28.75	31.5	38.5	42	46
G	28.75	31.5	38.5	42	46
PRICE	13.19	13.86	17.19	25.37	36.40

**V
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Ball Valves (AGA GAS APPROVED)



Titon industrial fittings

TITON

Telephone (64)-9-634 2894, Fax (64)-9-634 0030

email : sales@titon.co.nz

Date: / /

Order No:

Ordered By:

Special Instructions:

Ship To:

Place out of stock items on back order? Yes ☐ No ☐

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