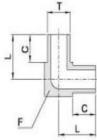
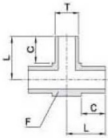


Mini Elbow



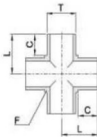
T Tube O.D.	Wall Thickness	L		C		F Body Cube		
		mm	incb	mm	incb	incb		
1/4	0.035 in.	10.4	0.41	6.35	0.25	5/16		
3/8		11.9	0.47			7/16		
1/2	0.049 in.	13.5	0.53			9/16		
6mm	1.0mm	10.4	0.41			5/16		
8mm		11.9	0.47			7/16		
10mm								
12mm		13.5	0.53			9/16		

Mini Tee



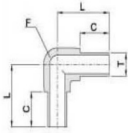
T Tube O.D.	Wall Thickness	L		C		F Body Cube		
		mm	incb	mm	incb	incb		
1/4	0.035 in.	10.4	0.41	6.35	0.25	5/16		
3/8		11.9	0.47			7/16		
1/2	0.049 in.	13.5	0.53			9/16		
6mm	1.0mm	10.4	0.41			5/16		
8mm		11.9	0.47			7/16		
10mm								
12mm		13.5	0.53			9/16		

Mini Cross



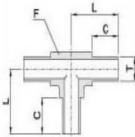
T Tube O.D.	Wall Thickness	L		C		F Body Cube		
		mm	incb	mm	incb	incb		
1/4	0.035 in.	10.4	0.41	6.35	0.25	5/16		
3/8		11.9	0.47			7/16		
1/2	0.049 in.	13.5	0.53			9/16		
6mm	1.0mm	10.4	0.41			5/16		
8mm		11.9	0.47			7/16		
10mm								
12mm		13.5	0.53			9/16		

Long Elbow



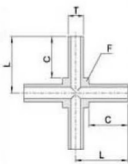
T Tube O.D.	Wall Thickness	L		C		F Body Cube
		mm	inch	mm	inch	inch
1/4	0.035 in.	31.2	1.23	19.05	0.75	7/16
3/8		30.5	1.20			
1/2	0.049 in.	34	1.34			11/16
3/4		37.1	1.46			
1	0.065 in.	47.0	1.85	24.40	0.94	1 1/4
6mm	1.0mm	31.2	1.23	19.05	0.75	7/16
8mm						
10mm		34.0	1.34			11/16
12mm						
18mm	1.5mm	37.6	1.48			15/16

Long Tee



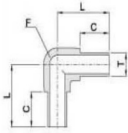
T Tube O.D.	Wall Thickness	L		C		F Body Cube
		mm	inch	mm	inch	inch
1/4	0.035 in.	31.2	1.23	19.05	0.75	7/16
3/8		30.5	1.20			
1/2	0.049 in.	34	1.34			11/16
3/4		37.1	1.46			15/16
1	0.065 in.	47.0	1.85	24.40	0.96	1 1/4
6mm	1.0mm	31.2	1.23	19.05	0.75	7/16
8mm						34.0
10mm		15/16				
12mm						
18mm	1.5mm	37.6	1.48			15/16

Long Cross



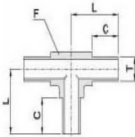
T Tube O.D.	Wall Thickness	L		C		F Body Cube				
		mm	inch	mm	inch	inch				
1/4	0.035 in.	31.2	1.23	19.05	0.75	7/16				
3/8		30.5	1.20							
1/2	0.049 in.	34	1.34			11/16				
6mm	1.0mm	31.2	1.23					7/16		
8mm										
10mm		34.0	1.34							5/8
12mm										

Long Elbow



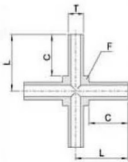
T Tube O.D.	Wall Thickness	L		C		F Body Cube
		mm	inch	mm	inch	inch
1/4	0.035 in.	31.2	1.23	19.05	0.75	
3/8		30.5	1.20			7/16
1/2	0.049 in.	34	1.34			11/16
3/4		37.1	1.46			15/16
1	0.065 in.	47.0	1.85	24.40	0.94	1 1/4
6mm	1.0mm	31.2	1.23	19.05	0.75	7/16
8mm						
10mm		34.0	1.34			11/16
12mm						
18mm	1.5mm	37.6	1.48			15/16

Long Tee

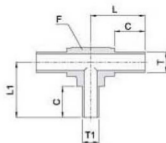


T Tube O.D.	Wall Thickness	L		C		F Body Cube
		mm	inch	mm	inch	inch
1/4	0.035 in.	31.2	1.23	19.05	0.75	7/16
3/8		30.5	1.20			11/16
1/2	0.049 in.	34	1.34			15/16
3/4		37.1	1.46			
1	0.065 in.	47.0	1.85	24.40	0.96	1 1/4
6mm	1.0mm	31.2	1.23	19.05	0.75	7/16
8mm						
10mm		34.0	1.34			11/16
12mm						
18mm	1.5mm	37.6	1.48			15/16

Long Cross



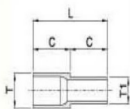
T Tube O.D.	Wall Thickness	L		C		F Body Cube				
		mm	inch	mm	inch	inch				
1/4	0.035 in.	31.2	1.23	19.05	0.75	7/16				
3/8		30.5	1.20							
1/2	0.049 in.	34	1.34			11/16				
6mm	1.0mm	31.2	1.23					7/16		
8mm										
10mm		34.0	1.34							5/8
12mm										



Long Reducing Tee

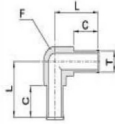
T Tube O.D.	Wall Thickness	T1 Tube O.D.	Wall Thickness	L		L1		C		F Body Cube
				mm	inch	mm	inch	mm	incb	incb
3/8	0.035 in.	1/4	0.035 in.	30.5	1.20	31.2	1.23	19.05	0.75	7/16
1/2	0.049 in.			3/8	34.0	1.34	34.0			1.34
1/2		34.3					1.35			15/16
3/4		1/4		37.1	1.46	37.6	1.48			
3/4						31.3	1.23			31.3
8mm	1.0mm	6mm	1.0mm	34.0	1.34	34.0	1.34			11/16
10mm		8mm								
12mm		6mm								
		8mm								

Reducing Union



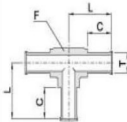
T Tube O.D.	Wall Thickness	T1 Tube O.D.	Wall Thickness	L		C	
				mm	inch	mm	inch
3/8	0.035 in.	1/4	0.035 in.	38.1	1.50	19.05	0.75
1/2	0.049 in.	1/4					
1/2		3/8					
3/4		1/2					
1	0.065 in.	1/2	0.049 in.				
1		3/4					
10mm	1.0mm	6mm	1.0mm				
10mm		8mm					
12mm		6mm					
12mm		8mm					
12mm		10mm					
18mm	1.5mm	6mm	1.5mm				
18mm		12mm					

Mini Elbow



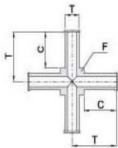
T Tube O.D.	Wall Thickness	L		C		F Body Cube
		mm	mm	mm	inch	incb
1/4	0.035 in.	31.2	1.23	19.05	0.75	7/16
3/8		30.5	1.20			
1/2	0.049 in.	34	1.34			11/16
3/4		37.1	1.46			15/16
1	0.065 in.	47.0	1.85	24.40	0.94	1 1/4
6mm	1.0mm	31.2	1.23	19.05	0.75	7/16
8mm						
10mm		34.0	1.34			11/16
12mm						
18mm	1.5mm	37.6	1.48			15/16

Mini Elbow

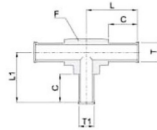


T Tube O.D.	Wall Thickness	L		C		F Body Cube
		mm	mm	mm	inch	incb
1/4	0.035 in.	31.2	1.23	19.05	0.75	7/16
3/8		30.5	1.20			
1/2	0.049 in.	34	1.34			11/16
3/4		37.1	1.46			15/16
1	0.065 in.	47.0	1.85	24.40	0.96	1 1/4
6mm	1.0mm	31.2	1.23	19.05	0.75	7/16
8mm						
10mm		34.0	1.34			11/16
12mm						
18mm	1.5mm	37.6	1.48			15/16

Mini Cross



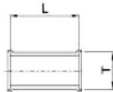
T Tube O.D.	Wall Thickness	L		C		F Body Cube
		mm	incb	mm	incb	incb
1/4	0.035 in.	31.2	1.23	19.05	0.75	7/16
3/8		30.5	1.20			
1/2	0.049 in.	34	1.34			11/16
6mm	1.0mm	31.2	1.23			7/16
8mm						
10mm		34.0	1.34			
12mm						



Long Reducing With Shoulder

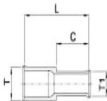
T Tube O.D.	Wall Thickness	T1 Tube O.D.	Wall Thickness	L		L1		C		F Body Cube	
				mm	inch	mm	inch	mm	incb	incb	
3/8	0.035 in.	1/4	0.035 in.	30.5	1.20	31.2	1.23	19.05	0.75	7/16	
1/2	0.049 in.			34.0	1.34	34.0	1.34			11/16	
1/2		3/8		37.1	1.46	34.3	1.35			15/16	
3/4						37.6	1.48				
3/4		1/4		31.3	1.23	31.3	1.23			7/16	
8mm	1.0mm	6mm	1.0mm	34.0	1.34	34.0	1.34				11/16
10mm		8mm									
12mm		6mm									
		8mm									

Union With Shoulder



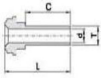
T Tube O.D.	Wall Thickness	L	
		mm	incb
1/4	0.035 in.	24.4	0.96
3/8		23.8	0.94
1/2	0.049 in.	23.4	0.92
3/4		23.4	0.92
1	0.065 in.	29.8	1.17
6mm	1.0mm	30.8	1.21
8mm		30.2	1.19
10mm			
12mm		29.8	1.17
18mm	1.5mm		

Reducing Union With Shoulder



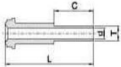
T Tube O.D.	Wall Thickness	T1 Tube O.D.	Wall Thickness	L		L1	
				mm	inch	mm	inch
3/8	0.035 in.	1/4	0.035	38.8	1.53	18.6	0.73
1/2	0.049 in.	1/4		38.6	1.52	18.6	0.73
1/2		3/8		38.3	1.51	18.33	0.72
8mm	1.0mm	6mm	1.0mm	38.6	1.52	18.6	0.73
12mm		6mm		38.6	1.52	18.6	0.73
12mm		8mm		38.6	1.52	18.3	0.72

Short Tube Butt Weld Gland



Size	T Tube O.D.	Nominal Wall Thickness	d		L		C	
			mm	inch	mm	inch	mm	inch
1/8	1/8	0.028 in	1.05	0.06	27.4	1.08	19.05	0.75
1/4	1/4	0.035in.	4.55	0.18	27.9	1.10		
1/2	1/4		4.55	0.18	28.4	1.12		
	3/8		7.67	0.30				
	1/2	0.049 in.	10.14	0.40	29.5	1.16		
1/4	6mm	1.0mm	4.06	0.16				
	8mm		6.12	0.24				
1/2	10mm		8.12	0.32				
	12mm		9.96	0.39				
3/4	18mm	1.5mm	15.0	0.39	31.0	1.22		

Long Tube Butt Weld Gland



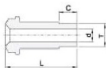
Size	T Tube O.D.	Nominal Wall Thickness	d		L		C	
			mm	inch	mm	inch	mm	inch
1/8	1/8	0.028 in.	1.50	0.06	36.1	1.42	19.05	0.75
1/4	1/4	0.035 in.	4.55	0.18	43.2	1.70		
1/2	1/4		4.55	0.18	45.7	1.80		
	3/8		7.67	0.30	45.5	1.79		
	1/2	10.14	0.40					
3/4	3/4	0.049 in.	16.5	0.65	51.6	2.03		
1	1	0.065 in.	22.1	0.87	58.9	2.32		
1/4	6mm	1.0mm	4.06	0.16	43.2	1.70		
	8mm		6.12	0.24				
1/2	10mm		8.12	0.32	45.5	1.79		
	12mm		9.96	0.39				
1/2	18mm	1.5mm	15.0	0.59	51.6	2.03		

Mini Short Tube Butt Weld Gland



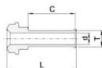
Size	T Tube O.D.	Nominal Wall Thickness	d		L		C	
			mm	inch	mm	mm	mm	inch
1/4	1/4	0.035 in.	4.55	0.18	15.2	0.60	6.35	0.25
3/8	3/8		7.67	0.30	15.8	0.62		
1/2	1/2	0.049 in.	10.14	0.40				
1/4	6mm	1.0mm	4.06	0.16	15.2	0.60		
	8mm		6.12	0.24	15.8	0.62		
1/2	10mm		8.1	0.32				
	12mm		10.0	0.39				

Mini Long Tube Butt Weld Gland



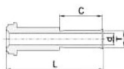
Size	T Tube O.D.	Nominal Wall Thickness	d		L		C	
			mm	inch	mm	inch	mm	inch
1/4	1/4	0.35 in.	4.55	0.18	30.5	1.20	6.35	0.25
1/2	3/8		7.67	0.30	32.8	1.29		
	1/2	0.049 in.	10.14	0.40				
1/4	6mm	1.0mm	4.06	0.16	31.0	1.22		
	8mm		6.12	0.24	31.2	1.23		
1/2	10mm		8.12	0.32	32.8	1.29		
	12mm		9.96	0.39	33.8	1.33		

Short Tube Butt Weld Gland With Shchukler



Size	T Tube O.D.	Nominal Wall Thickness	d		L		C	
			mm	inch	mm	inch	mm	inch
1/4	1/4	0.35 in.	4.55	0.18	28.4	1.12	19.05	0.75
1/2	3/8		7.67	0.30	29.2	1.15		
	1/2	0.049 in.	10.14	0.40	29.5	1.16		
1/4	6mm	1.0mm	4.06	0.16	30.0	1.18		
	8mm		6.12	0.24	30.2	1.19		
1/2	10mm		8.12	0.32	31.0	1.22		
	12mm		9.96	0.39	30.5	1.20		

Long Tube Butt Weld Gland With Shoulder



Size	T Tube O.D.	Nominal Wall Thickness	d		L		C	
			mm	inch	mm	mm	mm	inch
1/4	1/4	0.35 in.	4.55	0.18	43.7	1.72	19.05	0.75
1/2	1/4		4.55	0.18	46.2	1.82		
	3/8		7.67	0.30				
	1/2	0.049 in.	10.14	0.40	46.5	1.83		
3/4	3/4		16.5	0.65	52.6	2.07		
1	1	0.065 in.	22.1	0.87	65.3	2.57	24.4	0.87
1/4	6mm	1.0mm	4.06	0.16	43.7	1.72	19.05	0.75
	8mm		6.12	0.24	43.9	1.73		
1/2	10mm		8.12	0.32	46.5	1.83		
	12mm		9.96	0.39	46.5	1.83		
3/4	18mm	1.5mm	15.0	0.59	52.6	2.07		

Mini Short Tube Butt Weld Gland with Shoulder



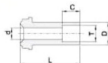
Size	T Tube O.D.	Nominal Wall Thickness	d		L		C	
			mm	inch	mm	inch	mm	inch
1/4	1/4	0.35 in.	4.55	0.18	15.7	0.62	6.35	0.25
1/2	3/8		7.67	0.30	16.6	0.65		
	1/2	0.049 in.	10.14	0.40	16.8	0.66		
1/4	6mm	1.0mm	4.06	0.16	15.7	0.62		
	8mm		6.12	0.24	16.6	0.65		
1/2	10mm		8.12	0.32				
	12mm		9.96	0.39	16.8	0.66		

Male Weld Gland



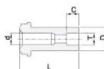
Size	T Tube O.D.	d		L		C	
		mm	inch	mm	inch	mm	inch
1/8	1/8	1.50	0.06	17.8	0.70	7.1	0.28
1/4		1.50	0.06	33.3	1.31		
	1/2	1/4	3.00	0.12	33.3	1.31	10.4
3.00			0.12	38.1	1.50		
3/8		7.10	0.28	38.1	1.50		
1/2		10.14	0.40	38.1	1.50		
3/4	3/4	13.50	0.53	50.8	2.00	15.7	0.62
1	1	19.10	0.75	56.4	2.22	20.6	0.81

Long Tube Butt Weld Gland with Shoulder

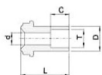


Size	T Tube O.D.	d		D		L		C	
		mm	inch	mm	inch	mm	inch	mm	inch
1/8	1/8	2.30	0.09	5.1	0.2	17.8	0.70	2.50	0.10
1/4	1/4	4.55	0.18	8.9	0.35	33.3	1.31	7.1	0.28
1/2	3/8	7.67	0.30	15.2	0.60	38.1	1.50	7.9	0.31
	1/2	10.14	0.40					9.7	0.38
3/4	3/4	13.5	0.53	22.4	0.88	50.8	2.0	11.2	0.44
1	1	19.1	0.75	30.2	1.19	56.4	2.22	15.7	0.62

Reducing Socket Weld Gland

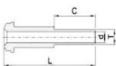


Size	T Tube O.D.	d		D		L		C	
		mm	inch	mm	inch	mm	inch	mm	inch
1/4	1/8	2.30	0.09	8.9	0.35	33.3	1.31	2.50	0.10
1/2	1/4	4.55	0.18	15.2	0.60	38.1	1.50	7.1	0.28



Short Socket Weld Gland

Size	T Tube O.D.	d		D		L		C	
		mm	inch	mm	inch	mm	inch	mm	inch
1/4	1/4	4.55	0.18	8.9	0.35	12.7	0.5	7.1	0.28
						19.1	0.75		



Tube Adapter

Size	T Tube O.D.	d		L		C	
		mm	inch	mm	inch	mm	inch
1/4	1/4	4.30	0.17	41.0	1.62	1.62	0.64
1/2	3/8	6.80	0.27	46.0	1.81	17.8	0.70
	1/2	9.40	0.37	49.3	1.94	24.4	0.96



Blind Gland

Size	L	
	mm	inch
1/8	17.8	0.70
1/4	333.3	1.31
1/2	38.1	1.50
3/4	50.8	2.00
1	56.4	2.22

Coupling



Size	L		H
	mm	inch	inch
1/8	16.8	0.66	7/16
1/4	30.2	1.19	3/4
1/2	33.3	1.31	1 1/16
3/4	42.7	1.68	1 1/2
1	51.8	2.04	1 3/4

Double Male Union



Size	d		L		H
	mm	inch	mm	inch	inch
1/8	2.30	0.09	28.7	1.13	3/8
1/4	4.55	0.18	39.4	1.55	5/8
1/2	10.14	0.40	46.7	1.84	15/16
3/4	15.70	0.62	62.0	2.44	1 5/16
1	22.10	0.87	65.8	2.59	1 5/8

Union Elbow



Size	d		L		F Body Flat
	mm	inch	mm	inch	inch
1/8	2.30	0.09	22.6	0.89	7/16
1/4	4.55	0.18	27.2	1.07	1/2
1/2	10.14	0.40	36.8	1.45	13/16
3/4	15.70	0.62	48.8	1.92	1 1/4
1	22.10	0.87	50.8	2.00	1 11/16

Union Tee

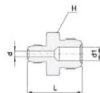


Size	d		L		F Body Flat
	mm	inch	mm	inch	inch
1/8	2.30	0.09	22.6	0.89	7/16
1/4	4.55	0.18	27.2	1.07	1/2
1/2	10.14	0.40	36.8	1.45	13/16
3/4	15.70	0.62	48.8	1.92	1 1/4
1	22.10	0.87	50.8	2.00	1 11/16

Union Cross



Size	d		L		F Body Flat
	mm	inch	mm	inch	inch
1/8	2.30	0.09	22.6	0.89	7/16
1/4	4.55	0.18	27.2	1.07	1/2
1/2	10.14	0.40	36.8	1.45	13/16
3/4	15.70	0.62	48.8	1.92	1 1/4
1	22.10	0.87	50.8	2.00	1 11/16



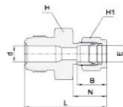
Double Male Reducing Union

SIZE		d		d1		L		H
		mm	inch	mm	inch	mm	inch	inch
1/4	1/8	4.55	0.18	2.30	0.09	34.8	1.37	5/8
1/2	1/4	10.14	0.4	4.55	0.18	43.4	1.37	15/16



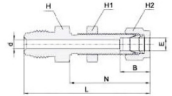
Bulkhead Union

SIZE	d		L		N		H	H1	Panel Hole Size		Max. Panel Thickness	
	mm	inch	mm	inch	mm	inch	inch	inch	mm	inch	mm	inch
1/4	4.55	0.18	56.6	2.23	33.0	1.30	3/4	3/4	14.5	0.57	11.1	0.44
			46.2	1.82	25.1	0.99					3.30	0.13
1/2	10.14	0.4	65.3	2.57	37.6	1.48	1 1/16	1 1/16	22.5	0.89	12.7	0.5
			54.4	2.14	28.2	1.11					3.30	0.13



Tube Fitting Connector

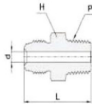
Size	E Tube O.D	d		L		B		N		H	H1
		mm	inch	mm	inch	mm	inch	mm	inch	inch	inch
1/4	1/8	4.55	0.18	38.6	1.52	12.7	0.5	15.2	0.6	5/8	7/16
	41.1			1.62	15.2	0.6	17.8	0.7	9/16		
	3/8			43.0	1.7	16.8	0.66	19.3	0.76	11/16	11/16
1/2	3/8	10.14	0.40	46.7	1.84	16.8	0.66			15/16	7/8
	1/2			49.5	1.95	22.9	0.9	21.8	0.86		



Tube Fitting Bulkhead Connector

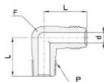
SIZE	E Tube O.D.	d		L		B		N		H	H1	H2	Panel Hole Size		Max. Panel Thickness	
		mm	inch	mm	inch	mm	inch	mm	inch	inch	inch	inch	mm	inch	mm	inch
1/4	1/4	4.55	0.18	57.2	2.25	15.2	0.60	33.5	1.32	5/8	5/8	9/16	11.9	15/32	10.2	0.40
				47.8	1.88			26.7	1.05						3.30	0.13
1/2	3/8	7.10	0.28	64.5	2.54	16.8	0.66	36.8	1.45	15/16	3/4	11/16	15.10	19/32	11.1	0.44
	1/2	10.14	0.40	69.6	2.74	22.9	0.9	41.9	1.65		15/16	7/8	19.80	25/32	12.70	0.50

Male NPT Connector

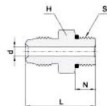


SIZE	d		L		H	P
	mm	mm	mm	inch	inch	NPT
1/8	2.30	0.09	27.2	1.07	3/8	1/16
					7/16	1/8
1/4	4.55	0.18	33.3	1.31	5/8	1/8
			37.8	1.49		1/4
1/2	9.65	0.38	41.9	1.65	15/16	3/8
	10.14	0.4	46.7	1.84		1/2
3/4	15.70	0.62	55.6	2.19	1 5/16	3/4
1	22.10	0.87	62.7	2.47	1 5/8	1

Male NPT Elbow



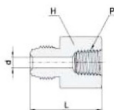
Size	d		L		L1		P	F
	mm	inch	mm	inch	mm	inch	NPT	Falt
1/4	4.55	4.55	27.2	1.07	22.1	0.87	1/8	1/2
					26.7	1.05	1/4	
1/2	10.14	10.14	36.8	1.45	32.0	1.26	3/8	13/16
					36.8	1.45	1/2	



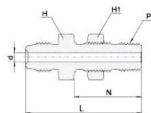
Male NPT Connector

SIZE	d		L		N		H	S	O-Ring
	mm	inch	mm	inch	mm	inch	inch	Straight Thread	Uniform Size
1/4	2.30	0.18	33.8	1.33	9.9	0.39	3/4	9/16~18	-906
1/2	4.55	0.4	37.6	1.48	9.9	0.39	15/16	9/16~18	-906
			42.2	1.66	12.7	0.5	1	7/8~14	-910

Female NPT Connector

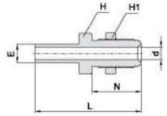


SIZE	d		L		H	P
	mm	mm	mm	inch	inch	NPT
1/8	2.30	0.09	27.9	1.10	7/16	1/16
			30.2	1.19	9/16	1/8
1/4	4.55	0.18	35.8	1.41	5/8	1/8
			39.1	1.54	3/4	1/4
1/2	10.14	0.4	44.7	1.76	15/16	3/8
			50.5	1.99	1 1/16	1/2
3/4	15.70	0.62	59.9	2.36	1 5/16	3/4
1	22.10	0.87	63.8	2.51	1 5/8	1



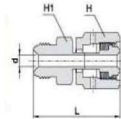
Bulkhead Male Connector

Size	d		L		N		H	H1	P	Panel Hole Size		Max. Panel Thickness	
	mm	inch	mm	inch	mm	inch	inch	inch		mm	inch	mm	inch
1/4	4.55	0.18	56.1	2.21	31.5	1.24	13/16	13/16	1/4	31.5	1.24	31.5	1.24
1/2	10.14	0.4	59.4	2.34			15/16						



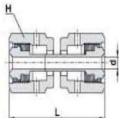
Tube Butt Weld Bulkhead

Size	E Tube O.D.	d		L		N		H	H1	Panel Hole Size		Max.Panel Thickness	
		mm	inch	mm	inch	mm	inch	inch	inch	mm	inch	mm	inch
1/4	1/4	4.55	0.18	59.9	2.36	33.0	1.30	3/4	3/4	14.5	0.57	11.1	0.44
				49.5	1.95	25.1	0.99					33.0	0.13



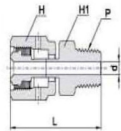
Swivel Male/Female Union

SIZE	d		L		H	H1
	mm	inch	mm	inch	mm	inch
1/4	4.55	0.18	42.9	1.69	3/4	5/8



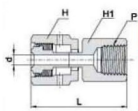
Swivel Female Union

SIZE	d		L		H
	mm	inch	mm	inch	mm
1/4	4.55	0.18	42.9	1.69	3/4
1/2	10.14	0.40	46.7	1.84	1 1/16



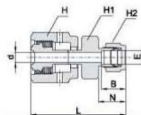
Swivel Male NPT Connector

SIZE	d		L		H	H1	P
	mm	mm	mm	inch	inch	inch	NPT
1/4	4.55	0.18	40.1	1.58	3/4	7/16	1/8
			45.5	1.79		9/16	1/4
1/2	10.14	0.40	48.0	1.89	1 1/16	11/16	3/8
			53.1	2.09		7/8	1/2



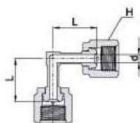
Swivel Female NPT Connector

SIZE	d		L		H	H1	P
	mm	mm	mm	inch	inch	inch	NPT
1/4	4.55	0.18	45.0	1.77	3/4	3/4	1/4
3/8	10.14	0.40	49.5	1.95	1 1/16	7/8	3/8
1/2			55.4	2.18	1 1/16	1 1/16	1/2



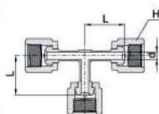
Swivel Hy-Lok Tube Fitting Connector

Size	E Tube O.D.	d		L		B		N		H	H1	H1
		mm	inch	mm	inch	mm	inch	inch	inch	inch	inch	inch
1/4	1/4	4.55	0.18	49.3	1.94	15.2	0.60	17.8	0.70	3/4	1/2	9/16
	3/8	4.55	0.18	50.0	1.97	16.8	0.66	19.3	0.76		5/8	11/16
1/2	1/2	10.14	0.40	56.6	2.23	22.9	0.90	21.8	0.86	1 1/16	13/16	7/8



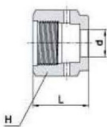
Swivel Elbow

SIZE	d		L		H
	mm	inch	mm	inch	mm
1/4	4.55	0.18	25.4	1.00	3/4



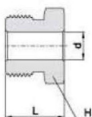
Swivel Tee

SIZE	d		L		H
	mm	inch	mm	inch	mm
1/4	4.55	0.18	25.4	1.00	3/4



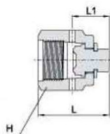
Female Nut

SIZE	d		L		H
	mm	inch	mm	inch	inch
1/8	5.30	0.21	13.5	0.53	7/16
1/4	9.15	0.36	20.6	0.81	3/4
1/2	15.5	0.61	22.4	0.88	1 1/16
3/4	22.6	0.89	28.4	1.12	1 1/2
1	30.5	1.20	34.0	1.34	1 3/4



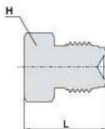
Male Nut

SIZE	d		L		H
	mm	inch	mm	inch	inch
1/8	5.30	0.21	12.7	0.50	3/8
1/4	9.15	0.36	18.0	0.71	5/8
1/2	15.5	0.61	20.6	0.81	15/16
3/4	22.6	0.89	25.4	1.00	1 5/16
1	30.5	1.20	30.2	1.19	1 5/8



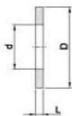
Cap

SIZE	L		L1		H
	mm	inch	mm	inch	inch
1/8	16.0	0.63	7.6	0.30	7/16
1/4	23.9	0.94	11.3	0.44	3/4
1/2	25.6	1.01	11.4	0.45	1 1/16
3/4	32.8	1.29	13.7	0.54	1 1/2
1	39.1	1.54	16.0	0.63	1 3/4



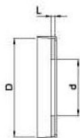
Plug

SIZE	L		H
	mm	inch	inch
1/8	17.3	0.68	3/8
1/4	23.4	0.92	5/8
1/2	27.4	1.08	15/16
3/4	36.3	1.43	1 5/16
1	38.6	1.52	1 5/8



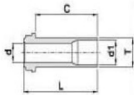
Gasket

SIZE	d		D		L	
	mm	inch	mm	inch	mm	inch
1/8	2.3	0.09	6.6	0.26	0.5	0.02
1/4	5.6	0.22	12.5	0.49	0.8	0.03
1/2	11.2	0.44	19.8	0.78		
3/4	16.8	0.66	29.0	1.14		
1	22.6	0.89	35.6	1.40		



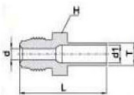
Gasket Retainer

SIZE	d		D		L	
	mm	inch	mm	inch	mm	inch
1/4	5.6	0.22	11.9	0.47	0.8	0.03
1/2	11.2	0.44	19.2	0.76		
3/4	16.8	0.66	28.5	1.12		
1	22.6	0.89	35.1	1.38		



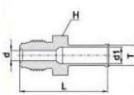
High Flow Tube Butt Weld Gland

SIZE	T Tube	d		d1		L	
		mm	inch	mm	inch	mm	inch
1/4	3/8	6.35	0.25	7.9	0.31	15.2	0.60
						30.2	1.19
						33.3	1.31



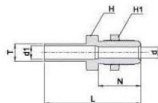
High Flow Tube Butt Weld Reducer

SIZE	T Tube	d		d1		L		H
		mm	inch	mm	inch	mm	inch	inch
1/4	3/8	6.35	0.25	7.9	0.31	42.7	1.68	5/8



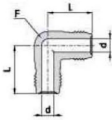
High Flow Tube Butt Weld Reducer With Shoulder

SIZE	T Tube	d		d1		L		H
		mm	inch	mm	inch	mm	inch	inch
1/4	3/8	6.35	0.25	7.9	0.31	43	1.71	5/8



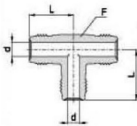
High Flow Tube Butt Weld Bulkhead Connector

SIZE	E Tube O.D.	d		d1		L		N		H	H1	Panel Hale Size		Max. Panel Thickness	
		mm	inch	mm	inch	mm	inch	mm	inch	inch	inch	mm	inch	mm	inch
1/4	3/8	6.35	0.25	7.9	0.31	59.9	2.36	33.0	1.30	3/4	3/4	14.5	0.57	11.1	0.44



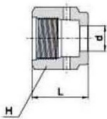
High Flow Union Elbow

SIZE	d		L		L Body Flat
	mm	inch	mm	inch	inch
1/4	6.35	0.25	27.2	1.07	1/2



High Flow Union Tee

SIZE	d		L		F Body Flat
	mm	inch	mm	inch	inch
1/4	6.35	0.25	27.2	1.07	1/2



High Flow Female Nut

SIZE	d		L		H
	mm	inch	mm	inch	inch
1/4	9.9	0.39	20.6	0.81	3/4



High Flow Male Nut

SIZE	d		L		H
	mm	inch	mm	inch	inch
1/4	9.9	0.39	18.0	0.71	5/8