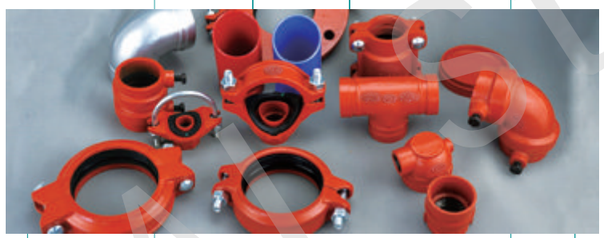
ADVANCED EQUIPMENTS

High precision equipment is quality assurance.

Juntong's factories are all equipped with the most advanced facilities and equiopment in the industry.The main production facilities include automatic molding line,automatic molding line,Chinese 416 automatic vertical molding line,automatic molding sand mixers,cupola furnaces,electric furnaces,water-cooled longevous cupola furnaces,CNC vertical machining centers,CNC machines,NC vertical lathes,radial drills,Juntong peoprietary automatic machines,automatic box sealing line,stereoscopic warehouse and so on.



BAOLAI Steel

RELIABLE QUALITY ASSURANCE

Juntong is honored as the National enterprise technical center and is capable and qualified to conduct full series of tests and inspections including chemical checking,etc.

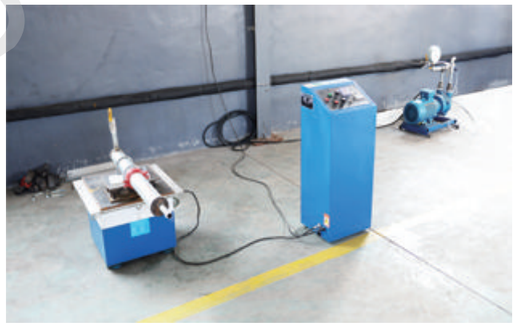
Inspection facilities include:

spectrometer,

carbon sulfur analyzer,metallurgical microscope,tensile strength testing equip-ment,pressure testing equipment,

CMM,hardness tester,etc.

From incoming inspection to finished product,quality is checked and monitored in the whole process.Each step of the manufacturing process is carefully doc-umented,regularly reviewed for revision control and updating standard.Quality procedures are constantly monitored and updated to assure that only the highest and most consistent quality products are supplied to our valued cus-tomers.



DUCTILE IRON GROOVED FITTINGS AND COUPLINGS

Rigid coupling

Flexible coupling

Angle pad coupling

Equal Tee

Reducing Cross(Threaded)

Mechanical Tee (Grooved)

Mechanical Tee (Threaded)

Flange Adaptor

Equal Cross

90° Elbow

45° Elbow

22.5° Elbow

Grooved Flange

Concentric Reducer (Grooved)

Concentric Reducer (Threaded)

Eccentric Reducer (Grooved)

11.25° Elbow

Reducing Tee(Grooved)

Reducing Tee(Threaded)

Reducing Cross(Grooved)

U-Bolted Mechanical Tee (Threaded)

Cap

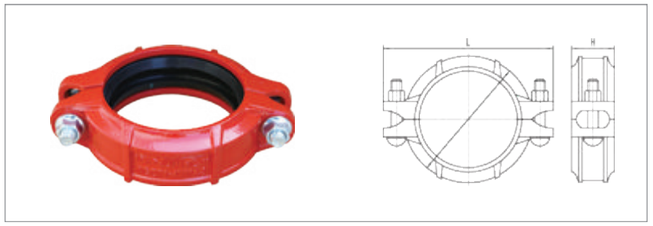
Gasket Ring

Bolts And Nuts

Surface treatment: P: Painting E: Electroplate B: Black
S: Epoxy G: Galvanization J: Galvanization+Epoxy D: Dacroment

BAOLAI Steel

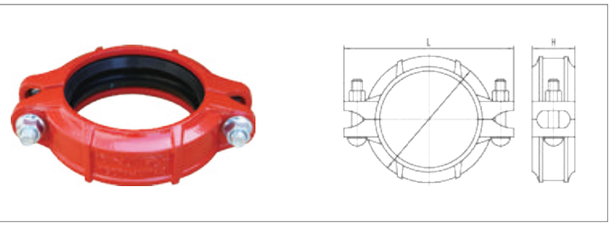
Rigid coupling



According to different situations, the appearance can be dealed with epoxy powder, galvanized, paint,dacromet or your requirements.

Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/Mpa	Bolt Size No.–Size mm	Dimensions mm/in Φ	L	H
25 1	33.7 1.327	300 2.07	2–M10*45	55.6 2.188	98 3.858	44 1.732
32 1 1/4	42.4 1.669	300 2.07	2–M10*45	66 2.598	107 4.213	44 1.732
40 1 1/2	48.3 1.9	300 2.07	2–M10*45	74 2.913	115 4.527	44 1.732
50 2	60.3 2.374	300 2.07	2–M10*55	88.4 3.480	125 4.921	46 1.732
65 2 1/2	73.0 2.875	300 2.07	2–M10*55	102.2 4.024	140 5.512	46 1.772
65 2 1/2	76.1 3	300 2.07	2–M10*55	102.2 4.024	140 5.512	46 1.772
80 3	88.9 3.5	300 2.07	2–M10*60	117.4 4.622	154 6.063	46 1.772
100 4	108 4.25	300 2.07	2–M12*65	138.8 5.466	184 7.244	48 1.889
100 4	114.3 4.5	300 2.07	2–M12*65	146.6 5.772	190 7.48O	48 1.889
125 5	133 5.25	300 2.07	2–M12*75	158 6.220	212 8.346	48 1.889
125 5	139.7 5.5	300 2.07	2–M12*75	171.2 6.740	220 8.661	48 1.889
125 5	141.3 5.56	300 2.07	2–M12*75	171.2 6.740	220 8.661	48 1.889
150 6	159 6.25	300 2.07	2–M12*75	192 7.559	240 9.448	48 2.008
150 6	165.1 6.5	300 2.07	2–M12*75	196.2 7.724	244 9.606	48 2.008
150 6	168.3 6.625	300 2.07	2–M12*75	199.4 7.850	246 9.685	48 2.008
200 8	219.1 8.625	300 2.07	2–M16*85	256.4 10.024	326 12.835	58 2.283
250 10	273 10.748	300 2.07	2–M20*100	316 12.441	426 16.771	64 2.520
300 12	323.9 12.75	300 2.07	2–M22*130	380 14.961	470 18.504	65 2.559

Flexible coupling

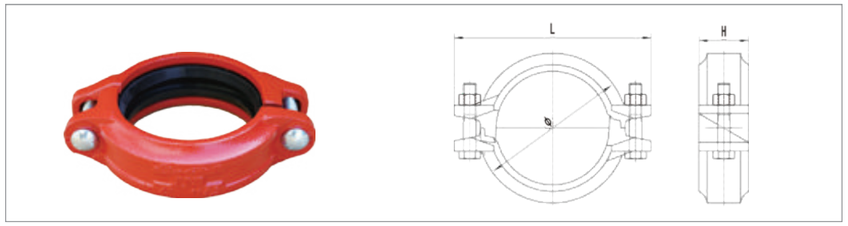


According to different situations, the appearance can be dealed with epoxy powder, galvanized, paint,dacromet or your requirements.

Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/Mpa	Bolt Size No.–Size mm	Dimensions mm/in Φ	L	H
25 1	33.7 1.327	300 2.07	2–M10*45	55.6 2.188	98 3.858	44 1.732
32 1 1/4	42.4 1.669	300 2.07	2–M10*45	66 2.598	107 4.213	44 1.732
40 1 1/2	48.3 1.9	300 2.07	2–M10*45	74 2.913	115 4.527	44 1.732
50 2	60.3 2.374	300 2.07	2–M10*55	88.4 3.480	125 4.921	46 1.732
65 2 1/2	73.0 2.875	300 2.07	2–M10*55	102.2 4.024	140 5.512	46 1.772
65 2 1/2	76.1 3	300 2.07	2–M10*55	102.2 4.024	140 5.512	46 1.772
80 3	88.9 3.5	300 2.07	2–M10*60	117.4 4.622	154 6.063	46 1.772
100 4	108 4.25	300 2.07	2–M12*65	138.8 5.466	184 7.244	48 1.889
100 4	114.3 4.5	300 2.07	2–M12*65	146.6 5.772	190 7.48O	48 1.889
125 5	133 5.25	300 2.07	2–M12*75	158 6.220	212 8.346	48 1.889
125 5	139.7 5.5	300 2.07	2–M12*75	171.2 6.740	220 8.661	48 1.889
125 5	141.3 5.56	300 2.07	2–M12*75	171.2 6.740	220 8.661	48 1.889
150 6	159 6.25	300 2.07	2–M12*75	192 7.559	240 9.448	48 2.008
150 6	165.1 6.5	300 2.07	2–M12*75	196.2 7.724	244 9.606	48 2.008
150 6	168.3 6.625	300 2.07	2–M12*75	199.4 7.850	246 9.685	48 2.008
200 8	219.1 8.625	300 2.07	2–M16*85	256.4 10.024	326 12.835	58 2.283
250 10	273 10.748	300 2.07	2–M20*100	316 12.441	426 16.771	64 2.520
300 12	323.9 12.75	300 2.07	2–M22*130	380 14.961	470 18.504	65 2.559

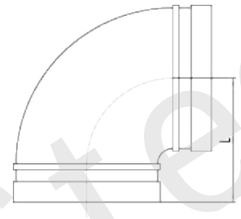
BAOLAI Steel

Angle coupling



Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/Mpa	Bolt Size	Dimensions mm/in		
			No.–Size mm	Φ	L	H
25 1	33.7 1.327	300 2.07	2–M10*45	55.6 2.188	98 3.858	44 1.732
32 1 1/4	42.4 1.669	300 2.07	2–M10*45	66 2.598	107 4.213	44 1.732
40 1 1/2	48.3 1.9	300 2.07	2–M10*45	74 2.913	115 4.527	44 1.732
50 2	60.3 2.374	300 2.07	2–M10*55	88.4 3.480	125 4.921	46 1.732
65 2 1/2	73.0 2.875	300 2.07	2–M10*55	102.2 4.024	140 5.512	46 1.772
65 2 1/2	76.1 3	300 2.07	2–M10*55	102.2 4.024	140 5.512	46 1.772
80 3	88.9 3.5	300 2.07	2–M10*60	117.4 4.622	154 6.063	46 1.772
100 4	108 4.25	300 2.07	2–M12*65	138.8 5.466	184 7.244	48 1.889
100 4	114.3 4.5	300 2.07	2–M12*65	146.6 5.772	190 7.48O	48 1.889
125 5	133 5.25	300 2.07	2–M12*75	158 6.220	212 8.346	48 1.889
125 5	139.7 5.5	300 2.07	2–M12*75	171.2 6.740	220 8.661	48 1.889
125 5	141.3 5.56	300 2.07	2–M12*75	171.2 6.740	220 8.661	48 1.889
150 6	159 6.25	300 2.07	2–M12*75	192 7.559	240 9.448	48 2.008
150 6	165.1 6.5	300 2.07	2–M12*75	196.2 7.724	244 9.606	48 2.008
150 6	168.3 6.625	300 2.07	2–M12*75	199.4 7.850	246 9.685	48 2.008
200 8	219.1 8.625	300 2.07	2–M16*85	256.4 10.024	326 12.835	58 2.283
250 10	273 10.748	300 2.07	2–M20*100	316 12.441	426 16.771	64 2.520
300 12	323.9 12.75	300 2.07	2–M22*130	380 14.961	470 18.504	65 2.559

90° Elbow



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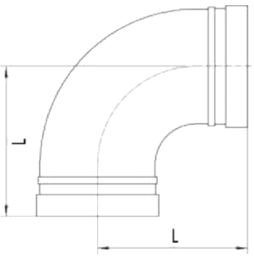
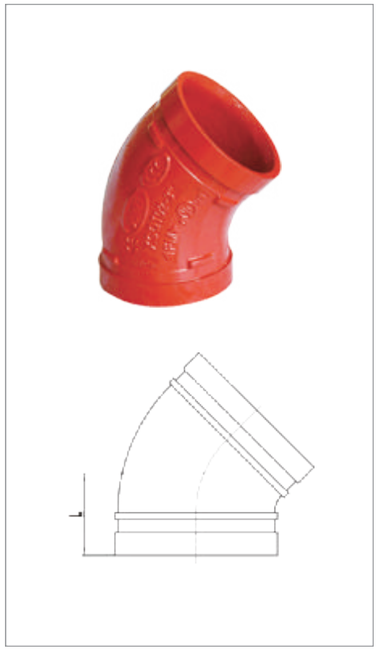


STANDARD

Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/Mpa	L mm/in	
			Short	Standard
25 1	33.7 1.327	300 2.07	57 2.244	57 2.24
32 1 1/4	42.4 1.669	300 2.07	60 2.362	70 2.75
40 1 1/2	48.3 1.900	300 2.07	60 2.362	70 2.75
50 2	60.3 2.375	300 2.07	70 2.756	83 3.27
65 2 1/2	73.0 2.875	300 2.07	76 2.992	95 3.74
65 2 1/2	76.1 3	300 2.07	76 2.992	95 3.74
80 3	88.9 3.5	300 2.07	90 3.543	108 4.25
100 4	108 4.252	300 2.07	102 4.016	127 5.00
100 4	114.3 4.5	300 2.07	102 4.016	127 5.00
125 5	133 5.25	300 2.07	122 4.803	122 4.80
125 5	139.7 5.5	300 2.07	122 4.803	140 5.50
125 5	141.3 5.56	300 2.07	122 4.803	140 5.50
150 6	159 6.25	300 2.07	140 5.512	165 6.50
150 6	165.1 6.5	300 2.07	140 5.512	165 6.50
150 6	168.3 6.625	300 2.07	140 5.512	165 6.50
200 8	219.1 8.625	300 2.07	175 6.890	197 7.75
250 10	273 10.75	300 2.07	215 8.465	229 9.00
300 12	323.9 12.75	300 2.07	230 9.055	254 10.00

BAOLAI Steel

45° Elbow

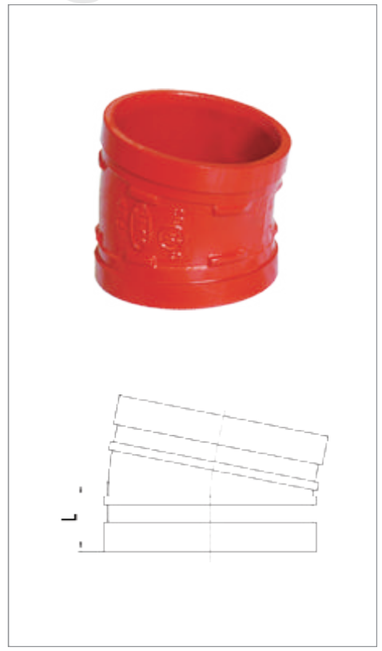


Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/Mpa	L mm/in
25 1	33.7 1.327	300 2.07	38 1.496
32 1 1/4	42.4 1.669	300 2.07	44 1.732
40 1 1/2	48.3 1.900	300 2.07	44 1.732
50 2	60.3 2.375	300 2.07	51 2.008
65 2 1/2	73.0 2.875	300 2.07	57 2.244
65 2 1/2	76.1 3	300 2.07	57 2.244
80 3	88.9 3.5	300 2.07	64 2.52
100 4	108 4.252	300 2.07	76 2.992
100 4	114.3 4.5	300 2.07	76 2.992
125 5	133 5.25	300 2.07	83 3.27
125 5	139.7 5.5	300 2.07	83 3.27
125 5	141.3 5.56	300 2.07	83 3.27
150 6	159 6.25	300 2.07	89 3.504
150 6	165.1 6.5	300 2.07	89 3.504
150 6	168.3 6.625	300 2.07	89 3.504
200 8	219.1 8.625	300 2.07	108 4.252
250 10	273 10.75	300 2.07	121 4.764
300 12	323.9 12.75	300 2.07	133 5.236

22.5° Elbow

Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/Mpa	L mm/in
50 2	60.3 2.375	300 2.07	51 2.007
65 2 1/2	73 2.875	300 2.07	51 2.007
65 2 1/2	76.1 3	300 2.07	51 2.007
80 3	88.9 3.5	300 2.07	57 2.244
100 4	108 4.252	300 2.07	73 2.874
100 4	114.3 4.5	300 2.07	73 2.874
125 5	133 5.25	300 2.07	73 2.874
125 5	139.7 5.5	300 2.07	73 2.874
125 5	141.3 5.56	300 2.07	73 2.874
150 6	159 6.25	300 2.07	79 3.110
150 6	165.1 6.5	300 2.07	79 3.110
150 6	168.3 6.625	300 2.07	79 3.110
200 8	219.1 8.625	300 2.07	98 3.858

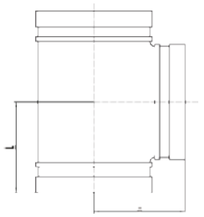
11.25° Elbow



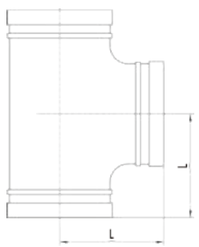
Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/Mpa	L mm/in
50 2	60.3 2.375	300 2.07	35 1.378
65 2 1/2	73 2.875	300 2.07	38 1.496
65 2 1/2	76.1 3	300 2.07	38 1.496
80 3	88.9 3.5	300 2.07	38 1.496
100 4	108 4.252	300 2.07	44 1.732
100 4	114.3 4.5	300 2.07	48 1.890
125 5	133 5.25	300 2.07	51 2.008
125 5	139.7 5.5	300 2.07	51 2.008
125 5	141.3 5.56	300 2.07	51 2.008
150 6	159 6.25	300 2.07	51 2.008
150 6	165.1 6.5	300 2.07	51 2.008
150 6	168.3 6.625	300 2.07	51 2.008
200 8	219.1 8.625	300 2.07	51 2.008

BAOLAI Steel

Equal Tee



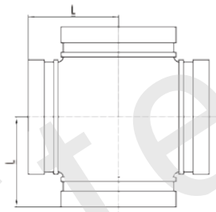
SHORT



STANDARD

Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/Mpa	L mm/in	
			Short	Standard
25	33.7	300	57	57
1	1.327	2.07	2.244	2.24
32	42.4	300	60	70
1 1/4	1.669	2.07	2.362	2.75
40	48.3	300	60	70
1 1/2	1.90	2.07	2.362	2.75
50	60.3	300	70	83
2	2.375	2.07	2.756	3.27
65	73	300	76	95
2 1/2	2.875	2.07	2.992	3.74
65	76.1	300	76	95
2 1/2	3	2.07	2.992	3.74
80	88.9	300	86	108
3	3.5	2.07	3.386	4.25
100	108	300	102	127
4	4.252	2.07	4.016	5.00
100	114.3	300	102	127
4	4.5	2.07	4.016	5.00
125	133	300	122	122
5	5.25	2.07	4.803	4.80
125	139.7	300	122	140
5	5.5	2.07	4.803	5.50
125	141.3	300	122	140
5	5.56	2.07	4.803	5.50
150	159	300	140	165
6	6.25	2.07	5.512	6.50
150	165.1	300	140	165
6	6.5	2.07	5.512	6.50
150	168.3	300	140	165
6	6.625	2.07	5.512	6.50
200	219.1	300	175	197
8	8.625	2.07	6.890	7.75
250	273	300	215	229
10	10.75	2.07	8.466	9.00
300	323.9	300	230	254
12	12.75	2.07	9.055	10.00

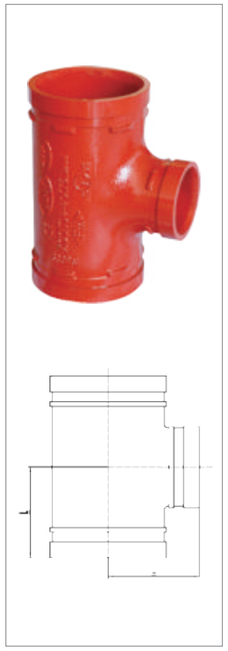
Equal Cross



Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/Mpa	L mm/in
25	33.7	300	57
1	1.327	2.07	2.244
32	42.4	300	60
1 1/4	1.669	2.07	2.362
40	48.3	300	60
1 1/2	1.900	2.07	2.362
50	60.3	300	70
2	2.375	2.07	2.756
65	73	300	76
2 1/2	2.875	2.07	2.992
65	76.1	300	76
2 1/2	3	2.07	2.992
80	88.9	300	86
3	3.5	2.07	3.386
100	108	300	102
4	4.252	2.07	4.016
100	114.3	300	102
4	4.5	2.07	4.016
125	133	300	122
5	5.25	2.07	4.803
125	139.7	300	122
5	5.5	2.07	4.803
125	141.3	300	122
5	5.56	2.07	4.803
150	159	300	140
6	6.25	2.07	5.512
150	165.1	300	140
6	6.5	2.07	5.512
150	168.3	300	140
6	6.625	2.07	5.512
200	219.1	300	175
8	8.625	2.07	6.890
250	273	300	215
10	10.75	2.07	8.466
300	323.9	300	230
12	12.75	2.07	9.055

BAOLAI Steel

Reducing Tee (Grooved)



Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/Mpa	L mm/in
50x25	60.3x33.7	300	70
2x1	2.375x1.327	2.07	2.756
50x32	60.3x42.4	300	70
2x1 1/4	2.375x1.669	2.07	2.756
50x40	60.3x48.3	300	70
2x1 1/2	2.375x1.902	2.07	2.756
65x25	73.0x33.7	300	76
2 1/2x1	2.875x1.327	2.07	2.992
65x32	73.0x42.4	300	76
2 1/2x1 1/4	2.875x1.669	2.07	2.992
65x40	73.0x48.3	300	76
2 1/2x1 1/2	2.875x1.902	2.07	2.992
65x50	73.0x60.3	300	76
2 1/2x2	2.875x2.375	2.07	2.992
65x25	76.1x33.7	300	76
2 1/2x1	2.996x1.327	2.07	2.992
65x32	76.1x42.4	300	76
2 1/2x1 1/4	2.996x1.669	2.07	2.992
65x40	76.1x48.3	300	76
2 1/2x1 1/2	2.996x1.902	2.07	2.992
65x50	76.1x60.3	300	76
2 1/2x2	2.996x2.375	2.07	2.992
80x25	88.9x33.7	300	86
3x1	3.5x1.327	2.07	3.386
80x32	88.9x42.4	300	86
3x1 1/4	3.5x1.669	2.07	3.386
80x40	88.9x48.3	300	86
3x1 1/2	3.5x1.902	2.07	3.386
80x50	88.9x60.3	300	86
3x2	3.5x2.375	2.07	3.386
80x65	88.9x76.1	300	86
3x2 1/2	3.5x2.996	2.07	3.386
100x25	108x33.7	300	102
4x1	4.3x1.327	2.07	4.016
100x32	108x42.4	300	102
4x1 1/4	4.3x1.669	2.07	4.016
100x40	108x48.3	300	102
4x1 1/2	4.3x1.902	2.07	4.016
100x50	108x60.3	300	102
4x2	4.3x2.375	2.07	4.016
100x65	108x76.1	300	102
4x2 1/2	4.3x2.996	2.07	4.016
100x80	108x88.9	300	102
4x3	4.3x3.5	2.07	4.016
100x25	114.3x33.7	300	102
4x1	4.5x1.327	2.07	4.016
100x32	114.3x42.4	300	102
4x1 1x4	4.5x1.669	2.07	4.016

Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/Mpa	L mm/in
100x40	114.3x48.3	300	102
4x1 1/2	4.5x1.902	2.073	4.016
100x50	114.3x60.3	300	102
4x2	4.5x2.375	2.073	4.016
100x65	114.3x76.1	300	102
4x2 1/2	4.5x2.996	2.073	4.016
100x80	114.3x88.9	300	102
4x3	4.5x3.5	2.073	4.016
125x25	139.7x33.7	300	122
5x1	5.5x1.327	2.073	4.803
125x32	139.7x42.4	300	122
5x1 1/4	5.5x1.669	2.073	4.803
125x40	139.7x48.3	300	122
5x1 1/2	5.5x1.902	2.073	4.803
125x50	139.7x60.3	300	122
5x2	5.5x2.375	2.07	4.803
125x65	139.7x76.1	300	122
5x2 1/2	5.5x2.996	2.07	4.803
125x80	139.7x88.9	300	122
5x3	5.5x3.5	2.07	4.803
125x100	139.7x114.3	300	122
5x4	5.5x4.5	2.07	4.803
125x25	141.3x33.7	300	122
5x1	5.56x1.327	2.073	4.803
125x32	141.3x42.4	300	122
5x1 1/4	5.56x1.669	2.073	4.803
125x40	141.3x48.3	300	122
5x1 1/2	5.56x1.902	2.073	4.803
125x50	141.3x60.3	300	122
5x2	5.56x2.375	2.07	4.803
125x65	141.3x76.1	300	122
5x2 1/2	5.56x2.996	2.07	4.803
125x80	141.3x88.9	300	122
5x3	5.56x3.5	2.07	4.803
125x100	141.3x114.3	300	122
5x4	5.56x4.5	2.07	4.803
150x25	159x33.7	300	140
6x1	6.26x1.327	2.07	5.512
150x32	159x42.4	300	140
6x1 1/4	6.26x1.669	2.07	5.512
150x40	159x48.3	300	140
6x1 1/2	6.26x1.902	2.07	5.512
150x50	159x60.3	300	140
6x2	6.26x2.375	2.07	5.512
150x65	159x76.1	300	140
6x2 1/2	6.26x2.996	2.07	5.512
150x80	159x88.9	300	140
6x3	6.26x3.5	2.07	5.512

Reducing Tee (Grooved)

Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/Mpa	L mm/in
150x100	159x108	300	140
6x4	6.26x4.25	2.07	5.512
150x100	159x114.3	300	140
6x4	6.26x4.5	2.07	5.512
150x25	165.1x33.7	300	140
6x1	6.5x1.327	2.07	5.512
150x32	165.1x42.4	300	140
6x1 1/4	6.5x1.669	2.07	5.512
150x40	165.1x48.3	300	140
6x1 1/2	6.5x1.902	2.07	5.512
150x50	165.1x60.3	300	140
6x2	6.5x2.375	2.07	5.512
150x65	165.1x76.1	300	140
6x2 1/2	6.5x2.996	2.07	5.512
150x80	165.1x88.9	300	140
6x3	6.5x3.5	2.07	5.512
150x100	165.1x108	300	140
6x4	6.5x4.25	2.07	5.512
150x100	165.1x114.3	300	140
6x4	6.5x4.5	2.07	5.512
150x125	165.1x139.7	300	140
6x5	6.5x5.5	2.07	5.512
150x25	168.3x33.7	300	140
6x1	6.626x1.327	2.07	5.512
150x32	168.3x42.4	300	140
6x1 1/4	6.626x1.669	2.07	5.512
150x40	168.3x48.3	300	140
6x1 1/2	6.626x1.902	2.07	5.512
125x50	168.3x60.3	300	140
6x2	6.626x2.375	2.07	5.512
150x65	168.3x76.1	300	140
6x2 1/2	6.626x2.996	2.07	5.512
150x80	168.3x88.9	300	140
6x3	6.626x3.5	2.07	5.512
150x100	168.3x114.3	300	140
6x4	6.626x4.5	2.07	5.512
150x125	168.3x139.7	300	140
6x5	6.626x5.5	2.07	5.512
200x50	219.1x60.3	300	175
8x2	8.622x2.375	2.07	6.89

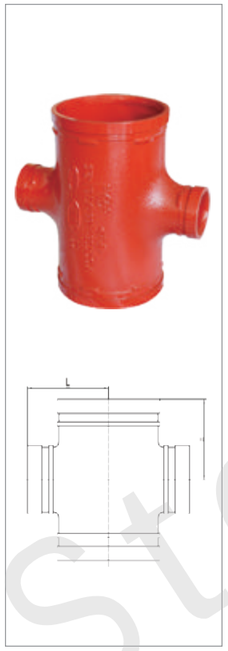
Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/Mpa	L mm/in
200x65	219.1x76.1	300	175
8x2 1/2	8.622x2.996	2.07	6.89
200x80	219.1x88.9	300	175
8x3	8.622x3.5	2.07	6.89
200x80	219.1x108	300	175
8x4	8.622x4.252	2.07	6.89
200x100	219.1x114.3	300	175
8x4	8.622x4.5	2.07	6.89
200x125	219.1x133	300	175
8x6	8.622x5.236	2.07	6.89
200x125	219.1x139.7	300	175
8x6	8.622x5.5	2.07	6.89
200x150	219.1x159	300	175
8x6	8.622x6.26	2.07	6.89
200x150	219.1x165.1	300	175
8x6	8.622x6.626	2.07	6.89
200x125	219.1x168.3	300	176
8x6	8.622x6.5	2.07	6.89
250x80	273x88.9	300	215
10x3	10.748x3.5	2.07	6.465
250x100	273x114.3	300	215
10x4	10.748x4.5	2.07	6.465
250x125	273x133	300	215
10x6	10.748x5.236	2.07	6.465
250x125	273x139.7	300	215
10x6	10.748x5.5	2.07	8.465
250x150	273x159	300	215
10x6	10.748x6.26	2.07	8.465
250x150	273x165.1	300	215
10x6	10.748x6.5	2.07	6.465
250x150	273x168.3	300	215
10x6	10.748x6.626	2.07	8.465
250x200	273x219.1	300	215
10x8	10.748x8.626	2.07	8.465
300x100	323.9x114.3	300	230
12x4	12.75x4.5	2.07	9.055
300x125	323.9x139.7	300	230
12x6	12.75x5.5	2.07	9.055
300x125	323.9x141.3	300	230
12x6	12.75x5.56	2.07	9.055

Reducing Tee (Threaded)

Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/Mpa	L mm/in
50x25	60.3x33.7	300	70
2x1	2.375x1.327	2.07	2.756
50x32	60.3x42.4	300	70
2x1 1/4	2.375x1.669	2.07	2.756
50x40	60.3x48.3	300	70
2x1 1/2	2.375x1.902	2.07	2.756
65x25	73.0x33.7	300	76
2 1/2x1	2.875x1.327	2.07	2.992
65x32	73.0x42.4	300	76
2 1/2x1 1/4	2.875x1.669	2.07	2.992
65x40	73.0x48.3	300	76
2 1/2x1 1/2	2.875x1.902	2.07	2.992
65x50	73.0x60.3	300	76
2 1/2x2	2.875x2.374	2.07	2.992
65x25	76.1x33.7	300	76
2 1/2x1	2.996x1.327	2.07	2.992
65x32	76.1x42.4	300	76
2 1/2x1 1/4	2.996x1.669	2.07	2.992
65x40	76.1x48.3	300	76
2 1/2x1 1/2	2.996x1.902	2.07	2.992
65x50	76.1x60.3	300	76
2 1/2x2	2.996x2.374	2.07	2.992
80x50	88.9x33.7	300	86
3x1	3.5x1.327	2.07	3.386
80x32	88.9x42.4	300	86
3x1 1/4	3.5x1.669	2.07	3.386
80x40	88.9x48.3	300	86
3x1 1/2	3.5x1.902	2.07	3.386
80x50	88.9x60.3	300	86
3x2	3.5x2.374	2.07	3.386
100x25	114.3x33.7	300	102
4x1	4.5x1.327	2.07	4.016
100x32	114.3x42.4	300	102
4x1 1/4	4.5x1.669	2.07	4.016

Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/Mpa	L mm/in
100x40	114.3x48.3	300	102
4x1 1/2	4.5x1.902	2.07	4.016
100x50	114.3x60.3	300	102
4x2	4.5x2.374	2.07	4.016
100x65	114.3x76.1	300	102
4x2 1/2	4.5x2.669	2.07	4.016
100x80	114.3x88.9	300	102
4x3	4.5x3.5	2.07	4.016
150x25	165.1x33.7	300	140
6x1	6.5x1.327	2.07	5.512
150x32	165.1x42.4	300	140
6x1 1/4	6.5x1.669	2.07	5.512
150x40	165.1x48.3	300	140
6x1 1/2	6.5x1.902	2.07	5.512
150x50	165.1x60.3	300	140
6x2	6.5x2.375	2.07	5.512
150x65	165.1x76.1	300	140
6x2 1/2	6.5x2.996	2.07	5.512
150x65	168.3x76.1	300	140
6x2 1/2	6.626x2.996	2.07	5.512
150x80	168.3x88.9	300	140
6x3	6.626x3.5	2.07	5.512
150x100	168.3x114.3	300	140
6x4	6.626x4.5	2.07	5.512
200x50	219.1x60.3	300	175
8x2	8.622x2.375	2.07	6.89
200x65	219.1x76.1	300	175
8x2 1/2	8.622x2.996	2.07	6.89
200x80	219.1x88.9	300	175
8x3	8.622x3.5	2.07	6.89
200x100	219.1x114.3	300	175
8x4	8.622x4.5	2.07	6.89
200x125	219.1x168.3	300	176
8x6	8.622x6.5	2.07	6.89

Reducing Cross (Grooved)



Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/Mpa	L mm/in
50x40	60.3x48.3	300	70
2x1 1/2	2.375x1.902	2.07	2.756
65x25	76.1x33.7	300	70
2 1/2x1	2.996x1.327	2.07	2.756
65x32	76.1x42.4	300	70
2 1/2x1 1/4	2.996x1.669	2.07	2.756
65x40	76.1x48.3	300	70
2 1/2x1 1/2	2.996x1.902	2.07	2.756
65x50	76.1x60.3	300	70
2 1/2x2	2.996x2.375	2.07	2.756
80x25	88.9x33.7	300	86
3x1	3.5x1.327	2.07	3.386
80x32	88.9x42.4	300	86
3x1 1/4	3.5x1.669	2.07	3.386
80x40	88.9x48.3	300	86
3x1 1/2	3.5x1.902	2.07	3.386
80x50	88.9x60.3	300	86
3x2	3.5x2.375	2.07	3.386
80x65	88.9x76.1	300	86
3x2 1/2	3.5x2.996	2.07	3.386
100x25	108x33.7	300	102
4x1	4.3x1.327	2.07	4.016
100x32	108x42.4	300	102
4x1 1/4	4.3x1.669	2.07	4.016
100x40	108x48.3	300	102
4x1 1/2	4.3x1.902	2.07	4.016
100x50	108x60.3	300	102
4x2	4.3x2.375	2.07	4.016
100x65	108x76.1	300	102
4x2 1/2	4.3x2.996	2.07	4.016
100x80	108x88.9	300	102
4x3	4.3x3.5	2.07	4.016
100x25	114.3x33.7	300	102
4x1	4.5x1.327	2.07	4.016
100x32	114.3x42.4	300	102
4x1 1x4	4.5x1.669	2.07	4.016

Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/Mpa	L mm/in
100x40	114.3x48.3	300	102
4x1 1/2	4.5x1.902	2.07	4.016
100x50	114.3x60.3	300	102
4x2	4.5x2.375	2.07	4.016
100x65	114.3x76.1	300	102
4x2 1/2	4.5x2.996	2.07	4.016
100x80	114.3x88.9	300	102
4x3	4.5x3.5	2.07	4.016
125x25	139.7x33.7	300	122
5x1	5.5x1.327	2.07	4.803
125x32	139.7x42.4	300	122
5x1 1/4	5.5x1.669	2.07	4.803
125x40	139.7x48.3	300	122
5x1 1/2	5.5x1.902	2.07	4.803
125x50	139.7x60.3	300	122
5x2	5.5x2.375	2.07	4.803
125x65	139.7x76.1	300	122
5x2 1/2	5.5x2.996	2.07	4.803
125x80	139.7x88.9	300	122
5x3	5.5x3.5	2.07	4.803
125x100	139.7x114.3	300	122
5x4	5.5x4.5	2.07	4.803
150x25	159x33.7	300	140
6x1	6.26x1.327	2.07	5.512
150x32	159x42.4	300	140
6x1 1/4	6.26x1.669	2.07	5.512
150x40	159x48.3	300	140
6x1 1/2	6.26x1.902	2.07	5.512
150x50	159x60.3	300	140
6x2	6.26x2.375	2.07	5.512
150x65	159x76.1	300	140
6x2 1/2	6.26x2.996	2.07	5.512
150x80	159x88.9	300	140
6x3	6.26x3.5	2.07	5.512
150x100	159x108	300	140
6x4	6.26x4.25	2.07	5.512

BAOLAI STEEL

Reducing Cross (Grooved)

Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/Mpa	L mm/in
150x100	159x114.3	300	140
6x4	6.26x4.5	2.07	5.512
150x25	165.1x33.7	300	140
6x1	6.5x1.327	2.07	5.512
150x32	165.1x42.4	300	140
6x1 1/4	6.5x1.669	2.07	5.512
150x40	165.1x48.3	300	140
6x1 1/2	6.5x1.902	2.07	5.512
150x50	165.1x60.3	300	140
6x2	6.5x2.375	2.07	5.512
150x65	165.1x76.1	300	140
6x2 1/2	6.5x2.996	2.07	5.512
150x80	165.1x88.9	300	140
6x3	6.5x3.5	2.07	5.512
150x100	165.1x108	300	140
6x4	6.5x4.25	2.07	5.512
150x100	165.1x114.3	300	140
6x4	6.5x4.5	2.07	5.512
150x125	165.1x139.7	300	140
6x5	6.5	2.07	5.512
150x25	168.3x33.7	300	140
6x1	6.626x1.327	2.07	5.512
150x32	168.3x42.4	300	140
6x1 1/4	6.626x1.669	2.07	5.512
150x40	168.3x48.3	300	140
6x1 1/2	6.626x1.902	2.07	5.512
150x50	168.3x60.3	300	140
6x2	6.626x2.375	2.07	5.512
150x65	168.3x76.1	300	140
6x2 1/2	6.626x2.996	2.07	5.512
150x80	168.3x88.9	300	140
6x3	6.626x3.5	2.07	5.512
150x100	168.3x114.3	300	140
6x4	6.626x4.5	2.07	5.512
150x125	168.3x139.7	300	140
6x5	6.626x5.5	2.07	5.512

Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/Mpa	L mm/in
200x50	219x60.3	300	175
8x2	8.622x2.375	2.07	6.89
200x65	219x76.1	300	175
8x2 1/2	8.622x2.996	2.07	6.89
200x80	219x88.9	300	175
8x3	8.622x3.5	2.07	6.89
200x100	219x108	300	175
8x4	8.622x4.252	2.07	6.89
200x100	219x114.3	300	175
8x4	8.622x4.5	2.07	6.89
200x125	219x133	300	175
8x5	8.622x5.236	2.07	6.89
200x125	219x139.7	300	175
8x5	8.622x5.5	2.07	6.89
200x150	219x159	300	175
8x6	8.622x6.26	2.07	6.89
200x150	219x168.3	300	175
8x6	8.622x6.626	2.07	6.89
200x150	219x165.1	300	176
8x6	8.622x6.5	2.07	6.89
250x80	273x88.9	300	215
10x3	10.748x3.5	2.07	8.465
250x100	273x114.3	300	215
10x4	10.748x4.5	2.07	8.465
250x125	273x133	300	215
10x5	10.748x5.236	2.07	8.465
250x125	273x139.7	300	215
10x5	10.748x5.5	2.07	8.465
250x150	273x159	300	215
10x6	10.748x6.26	2.07	8.465
250x150	273x168.3	300	215
10x6	10.748x6.626	2.07	8.465
250x150	273x165.1	300	215
10x6	10.748x6.5	2.07	8.465
250x200	273x219.1	300	215
10x8	10.748x8.626	2.07	8.465

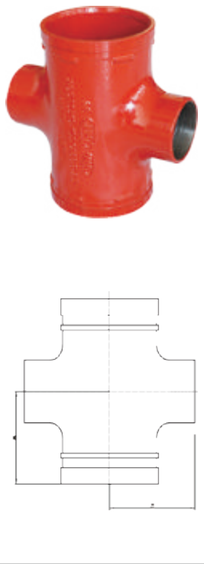
Reducing Cross (Threaded)

Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/Mpa	L mm/in
50x25	60.3x33.7	300	70
2x1	2.375x1.327	2.07	2.756
50x32	60.3x42.4	300	70
2x1 1/4	2.375x1.669	2.07	2.756
50x40	60.3x48.3	300	70
2x1 1/2	2.375x1.902	2.07	2.756
65x25	76.1x33.7	300	76
2 1/2x1	2.996x1.327	2.07	2.992
65x32	76.1x42.4	300	76
2 1/2x1 1/4	2.996x1.669	2.07	2.992
65x40	76.1x48.3	300	76
2 1/2x1 1/2	2.996x1.902	2.07	2.992
65x50	76.1x60.3	300	76
2 1/2x2	2.996x2.374	2.07	2.992
80x25	88.9x33.7	300	86
3x1	3.5x1.327	2.07	3.386
80x32	88.9x42.4	300	86
3x1 1/4	3.5x1.669	2.07	3.386
80x40	88.9x48.3	300	86
3x1 1/2	3.5x1.902	2.07	3.386
80x50	88.9x60.3	300	86
3x2	3.5x2.374	2.07	3.386
80x65	88.9x76.1	300	86
3x2 1/2	3.5x2.669	2.07	3.386
100x25	108x33.7	300	102
4x1	4.25x1.327	2.07	4.016
100x32	108x42.4	300	102
4x1 1/4	4.25x1.669	2.07	4.016
100x40	108x48.3	300	102
4x1 1/2	4.25x1.902	2.07	4.016

Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/Mpa	L mm/in
100x50	108x60.3	300	102
4x2	4.25x2.375	2.07	4.016
100x65	108x76.1	300	102
4x2 1/2	4.25x2.996	2.07	4.016
100x80	108x88.9	300	102
4x3	4.25x3.5	2.07	4.016
100x25	114.3x33.7	300	102
4x1	4.5x1.327	2.07	4.016
100x32	114.3x42.4	300	102
4x1 1/4	4.5x1.669	2.07	4.016
100x40	114.3x48.3	300	102
4x1 1/2	4.5x1.902	2.07	4.016
100x50	114.3x60.3	300	102
4x2	4.5x2.374	2.07	4.016
100x65	114.3x76.1	300	102
4x2 1/2	4.5x2.669	2.07	4.016
100x80	114.3x88.9	300	102
4x3	4.5x3.5	2.07	4.016
125x25	133x33.7	300	122
5x1	5.236x1.327	2.07	4.803
125x32	133x42.4	300	122
5x1 1/4	5.236x1.669	2.07	4.803
125x40	133x48.3	300	122
5x1 1/2	5.236x1.902	2.07	4.803
125x50	133x60.3	300	122
5x2	5.236x2.374	2.07	4.803
125x65	133x76.1	300	122
5x2 1/2	5.236x2.996	2.07	4.803
125x80	133x88.9	300	122
5x3	5.236x3.5	2.07	4.803

BAOLAI Steel

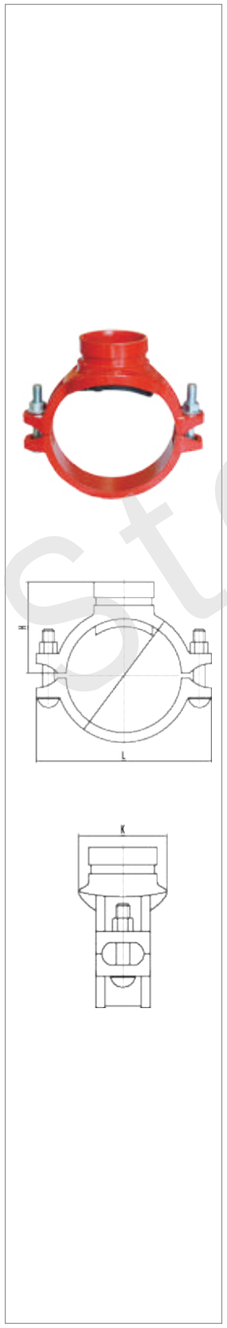
Reducing Cross (Threaded)



Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/Mpa	L mm/in
125x25	139.7x33.7	300	122
5x1	5.5x1.327	2.07	4.803
125x32	139.7x42.4	300	122
5x1 1/4	5.5x1.669	2.07	4.803
125x40	139.7x48.3	300	122
5x1 1/2	5.5x1.902	2.07	4.803
125x50	139.7x60.3	300	122
5x2	5.5x2.374	2.07	4.803
125x65	139.7x76.1	300	122
5x2 1/2	5.5x2.996	2.07	4.803
125x80	139.7x88.9	300	122
5x3	5.5x3.5	2.07	4.803
150x25	159x33.7	300	140
6x1	6.26x1.327	2.07	5.512
150x32	159x42.4	300	140
6x1 1/4	6.26x1.669	2.07	5.512
150x40	159x48.3	300	140
6x1 1/2	6.26x1.902	2.07	5.512
150x50	159x60.3	300	140
6x2	6.26x2.374	2.07	5.512
150x65	159x76.1	300	140
6x2 1/2	6.26x2.996	2.07	5.512
150x80	159x88.9	300	140
6x3	6.26x3.5	2.07	5.512
150x25	165.1x33.7	300	140
6x1	6.5x1.327	2.07	5.512
150x32	165.1x42.4	300	140
6x1 1/2	6.5x1.669	2.07	5.512
150x40	165.1x48.3	300	140
6x1 1/2	6.5x1.902	2.07	5.512

Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/Mpa	L mm/in
150x50	165.1x60.3	300	140
6x2	6.5x2.374	2.07	5.512
150x65	165.1x76.1	300	140
6x2 1/2	6.5x2.996	2.07	5.512
150x80	165.1x88.9	300	140
6x3	6.5x3.5	2.07	5.512
150x100	165.1x114.3	300	140
6x4	6.5x4.5	2.07	5.512
150x25	168.3x33.7	300	140
6x1	6.626x1.327	2.07	5.512
150x32	168.3x42.4	300	140
6x1 1/4	6.626x1.669	2.07	5.512
150x40	168.3x48.3	300	140
6x1 1/2	6.626x1.902	2.07	5.512
150x50	168.3x60.3	300	140
6x2	6.626x2.375	2.07	5.512
150x65	168.3x76.1	300	140
6x2 1/2	6.626x2.996	2.07	5.512
150x80	168.3x88.9	300	140
6x3	6.626x3.5	2.07	5.512
150x100	168.3x114.3	300	140
6x4	6.626x4.5	2.07	5.512
200x50	219x60.3	300	175
8x2	8.622x2.375	2.07	6.890
200x65	219x76.1	300	175
8x2 1/2	8.622x2.996	2.07	6.890
200x80	219x88.9	300	175
5x3	8.622x3.5	2.07	6.890
200x100	219x114.3	300	175
8x4	8.622x4.5	2.07	6.890

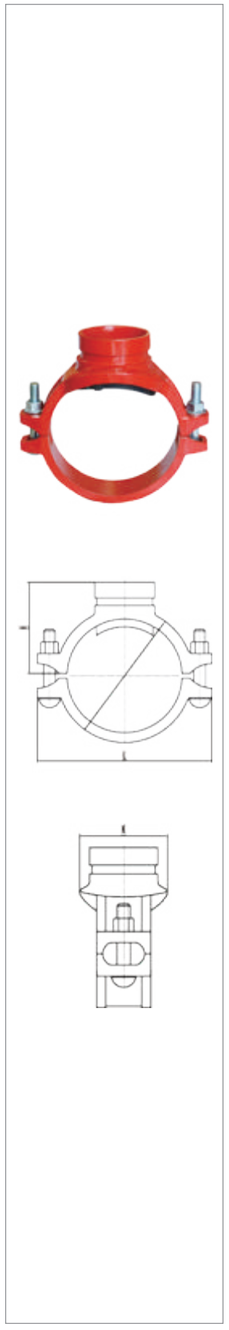
Mechanical Tee (Grooved)



Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/Mpa	Bolt Size No.–Size mm	Dimensions mm/in Φ	L	K	H	Hole Dia mm/in +1.6,0/+0.063,0
50x25	60.3x33.7	300	2–M10x60	81	116	64.5	64	38
2 1/2x1	2.375x1.327	2.07		3.189	4.567	2.539	2.520	1.496
50x32	60.3x42.4	300		81	116	64.5	68	46
2x1 1/4	2.375x1.699	2.07		3.189	4.567	2.539	2.677	1.811
50x40	60.3x48.3	300		81	116	64.5	68	46
2x1 1/2	2.375x1.90	2.07		3.189	4.567	2.539	2.677	1.811
65x25	73.0x33.7	300		98	137	73	69	38
2 1/2x1	2.875x1.327	2.07		3.858	5.394	2.874	2.717	1.496
65x32	73.0x42.4	300		98	137	73	76	46
2 1/2x1 1/4	2.875x1.669	2.07		3.858	5.394	2.874	2.992	1.811
65x40	73.0x48.3	300		98	137	73	82	51
2 1/2x1 1/2	2.875x1.90	2.07		3.858	5.394	2.874	3.228	2.007
65x25	76.1x33.7	300		98	137	73	69	38
2 1/2x1	2.996x1.327	2.07		3.858	5.394	2.874	2.717	1.496
65x32	76.1x42.4	300		98	137	73	76	46
2 1/2x1 1/4	2.996x1.669	2.07		3.858	5.394	2.874	2.992	1.811
65x40	76.1x48.3	300		98	137	73	82	51
2 1/2x1 1/2	2.996x1.90	2.07		3.858	5.394	2.874	3.228	2.007
80x25	88.9x33.7	300		113	146	80.5	69	38
3x1	3.50x1.327	2.07		4.449	5.748	3.169	2.717	1.496
80x32	88.9x42.4	300		113	146	80.5	76	46
3x1 1/4	3.50x1.669	2.07		4.449	5.748	3.169	2.992	1.811
80x40	88.9x48.3	300		113	146	80.5	82	51
3x1 1/2	3.50x1.90	2.07		4.449	5.748	3.169	3.228	2.007
80x50	88.9x60.3	300		113	146	80.5	91	61
3x2	3.50x2.375	2.07		4.449	5.748	3.169	3.583	2.402
100x25	108.0x33.7	300	2–M12x75	132	166	90	70	38
4x1	4.252x1.327	2.07		5.197	6.535	3.543	2.756	1.496
100x32	108.0x42.4	300		132	166	90	77	46
4x1 1/4	4.252x1.669	2.07		5.197	6.535	3.543	3.031	1.811
100x40	108.0x48.3	300		132	166	90	83	51
4x1 1/2	4.252x1.90	2.07		5.197	6.535	3.543	3.268	2.008
100x50	108.0x60.3	300		132	166	90	92	61
4x2	4.252x2.375	2.07		5.197	6.535	3.543	3.622	2.402
100x65	108.0x76.1	300		132	166	90	112	81
4x2 1/2	4.252x2.996	2.07		5.197	6.535	3.543	4.409	3.189
100x25	114.3x33.7	300		138	176	93	70	38
4x1	4.50x1.327	2.07		5.433	6.926	3.661	2.756	1.496
100x32	114.3x42.4	300		138	176	93	77	46
4x1 1/4	4.50x1.669	2.07		5.433	6.929	3.661	3.031	1.811
100x40	114.3x48.3	300		138	176	93	83	51
4x1 1/2	4.50x1.90	2.07		5.433	6.929	3.661	3.268	2.007
100x50	114.3x60.3	300		138	176	93	92	61
4x2	4.50x2.375	2.07		5.433	6.929	3.661	3.622	2.402
100x65	114.3x76.1	300		138	176	93	112	81
4x2 1/2	4.50x2.996	2.07		5.433	6.929	3.661	4.409	3.189
100x80	114.3x88.9	300		138	176	93	118	86
4x3	4.50x3.50	2.07		5.433	6.929	3.661	4.646	3.386
125x25	139.7x33.7	300		164	206	105	70	38
5x1	5.50x1.327	2.07		6.457	8.110	4.144	2.756	1.496
125x32	139.7x42.4	300		164	206	105	77	46
5x1 1/4	5.50x1.669	2.07		6.457	8.110	4.144	3.031	1.811
125x40	139.7x48.3	300		164	206	105	83	51
5x1 1/2	5.50x1.90	2.07		6.457	8.110	4.144	3.268	2.008
125x50	139.7x60.3	300		164	206	106	92	61
5x2	5.50x2.375	2.07		6.457	8.110	4.173	3.622	2.402
125x65	139.7x76.1	300		164	206	106	112	81
5x2 1/2	5.50x2.996	2.07		6.457	8.110	4.173	4.409	3.189
125x80	139.7x88.9	300		164	206	106	118	86
5x3	5.50x3.50	2.07		6.457	8.110	4.173	4.646	3.386

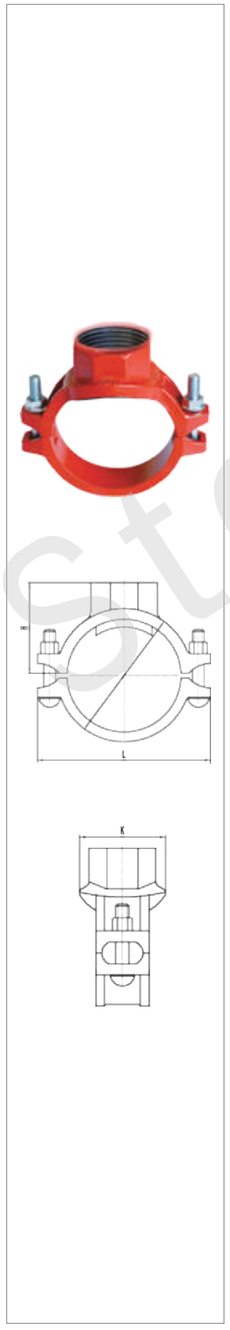
BAOLAI Steel

Mechanical Tee (Grooved)



Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/Mpa	Bolt Size No.–Size mm	Dimensions mm/in Φ	L	K	H	Hole Dia mm/in +1.6,0/+0.063,0
125x25	141.3x33.7	300	2–M12x75	164	206	105	70	38
5x1	5.56x1.327	2.07		6.457	8.110	4.144	2.756	1.496
125x32	141.3x42.4	300		164	206	105	77	46
5x1 1/4	5.56x1.669	2.07		6.457	8.110	4.144	3.031	1.811
125x40	141.3x48.3	300		164	206	105	83	51
5x1 1/2	5.56x1.90	2.07		6.457	8.110	4.144	3.268	2.008
125x50	141.3x60.3	300		164	206	106	92	61
5x2	5.56x2.375	2.07		6.457	8.110	4.173	3.622	2.402
125x65	141.3x76.1	300		164	206	106	112	81
5x2 1/2	5.56x2.996	2.07		6.457	8.110	4.173	4.409	3.189
125x80	141.3x88.9	300		164	206	106	118	86
5x3	5.56x3.50	2.07		6.457	8.110	4.173	4.646	3.386
150x25	165.1x33.7	300		189	226	118.5	70	38
6x1	6.50x1.327	2.07		7.441	8.898	4.665	2.756	1.496
150x25	165.1x42.4	300		189	226	118.5	77	46
6x1	6.50x1.669	2.07		7.441	8.898	4.665	3.031	1.811
150x40	165.1x48.3	300		189	226	118.5	83	51
6x1 1/2	6.50x1.90	2.07		7.441	8.898	4.665	3.268	2.008
150x50	165.1x60.3	300		189	226	118.5	92	61
6x2	6.50x2.375	2.07		7.441	8.898	4.665	3.622	2.402
150x65	165.1x76.1	300		189	226	118.5	112	81
6x2 1/2	6.50x2.996	2.07		7.441	8.898	4.665	4.409	3.189
150x80	165.1x88.9	300		189	226	118.5	118	86
6x3	6.50x3.50	2.07		7.441	8.898	4.665	4.646	3.386
150x100	165.1x114.3	300		189	226	118.5	147	114
6x4	6.50x4.50	2.07		7.441	8.898	4.665	5.787	4.488
150x25	168.3x33.7	300		192	228	120	70	38
6x1	6.62x1.327	2.07		7.559	8.976	4.724	2.756	1.496
150x32	168.3x42.4	300		192	228	120	77	46
6x1 1/4	6.625x1.669	2.07		7.559	8.976	4.724	3.031	1.811
150x40	168.3x48.3	300		192	228	120	83	51
6x1 1/2	6.625x1.90	2.07		7.559	8.976	4.724	3.268	2.007
150x50	168.3x60.3	300		192	228	120	92	61
6x2	6.625x2.375	2.07		7.559	8.976	4.724	3.622	2.401
150x65	168.3x76.1	300		192	228	120	112	81
6x2 1/2	6.625x2.996	2.07		7.559	8.976	4.724	4.409	3.228
150x80	168.3x88.9	300		192	228	120	118	86
6x3	6.625x3.50	2.07		7.559	8.976	4.724	4.646	3.385
150x100	168.3x114.3	300		192	228	120	147	114
6x4	6.625x4.50	2.07		7.559	8.976	4.724	5.787	4.488
200x25	219.1x33.7	300	2–M16x100	247	304	149.5	72	38
8x1	8.625x1.327	2.07		9.724	11.969	5.886	2.835	1.496
200x32	219.1x42.4	300		247	304	149.5	79	46
8x1 1/4	8.625x1.669	2.07		9.724	11.969	5.886	3.110	1.811
200x40	219.1x48.3	300		247	304	149.5	85	51
8x1 1/2	8.625x1.90	2.07		9.724	11.969	5.886	3.212	2.008
200x50	219.1x60.3	300		247	304	149.5	94	61
8x2	8.625x2.375	2.07		9.724	11.969	5.886	3.701	2.401
200x65	219.1x76.1	300		247	304	149.5	114	81
8x2 1/2	8.625x2.996	2.07		9.724	11.969	5.886	4.488	3.228
200x80	219.1x88.9	300		247	304	149.5	120	86
8x3	8.625x3.50	2.07		9.724	11.969	5.886	4.724	3.385
200x100	219.1x108	300		247	304	149.5	149	114
8x4	8.625x4.252	2.07		9.724	11.969	5.886	5.866	4.488
200x100	219.1x114.3	300		247	304	149.5	149	114
8x4	8.625x4.50	2.07		9.724	11.969	5.886	5.866	4.488

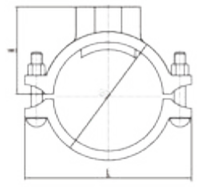
Mechanical Tee (Threaded)

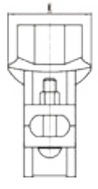


Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/Mpa	Bolt Size No.–Size mm	Dimensions mm/in Φ	L	K	H	Hole Dia mm/in +1.6,0/+0.063,0
50x25	60.3x33.7	300	2–M10x60	81	116	55	62	38
2x1	2.375x1.327	2.07		3.189	4.567	2.165	2.441	1.496
50x32	60.3x42.4	300		81	116	55	68	46
2x1 1/4	2.375x1.699	2.07		3.1898	4.567	2.165	2.677	1.811
50x40	60.3x48.3	300		81	116	55	68	46
2x1 1/2	2.375x1.90	2.07		3.189	4.567	2.165	2.677	1.811
65x25	73.0x33.7	300		98	137	65	69	38
2 1/2x1	2.875x1.327	2.07		3.858	5.394	2.559	2.717	1.496
65x32	73.0x42.4	300		98	137	65	76	46
2 1/2x1 1/4	2.875x1.669	2.07		3.858	5.394	2.559	2.992	1.811
65x40	73.0x48.3	300		98	137	65	82	51
2 1/2 x1 1/2	2.875x1.90	2.07		3.858	5.394	2.559	3.228	2.008
65x25	76.1x33.7	300		98	137	65	69	38
2 1/2x1	2.996x1.327	2.07		3.858	5.394	2.559	2.717	1.496
65x32	76.1x42.4	300		98	137	65	76	46
2 1/2x1 1/4	2.996x1.669	2.07		3.858	5.394	2.559	2.992	1.811
65x40	76.1x48.3	300		98	137	65	82	51
2 1/2 x1 1/2	2.996x1.90	2.07		3.858	5.394	2.559	3.228	2.008
80x25	88.9x33.7	300		113	146	75	69	38
3x1	3.50x1.327	2.07		4.449	5.748	2.953	2.717	1.496
80x32	88.9x42.4	300		113	146	75	76	46
3x1 1/4	3.50x1.669	2.07		4.449	5.748	2.953	2.992	1.811
80x40	88.9x48.3	300		113	146	75	82	51
3x1 1/2	3.50x1.90	2.07		4.449	5.748	2.953	3.228	2.008
80x50	88.9x60.3	300		113	146	75	91	61
3x2	3.50x2.375	2.07		4.449	5.748	2.953	3.583	2.402
100x25	108.0x33.7	300	2–M12x75	132	166	80	70	38
4x1	4.252x1.327	2.07		5.197	6.535	3.150	2.756	1.496
100x32	108.0x42.4	300		132	166	80	77	46
4x1 1/4	4.252x1.669	2.07		5.197	6.535	3.150	3.031	1.811
100x40	108.0x48.3	300		132	166	80	83	51
4x1 1/2	4.252x1.90	2.07		5.197	6.535	3.150	3.268	2.008
100x50	108.0x60.3	300		132	166	82	92	61
4x2	4.252x2.375	2.07		5.197	6.535	3.228	3.622	2.402
100x65	108.0x76.1	300		132	166	82	112	81
4x2 1/2	4.252x2.996	2.07		5.197	6.535	3.228	4.409	2.756
100x25	114.3x33.7	300		138	176	83	70	38
4x1	4.50x1.327	2.07		5.433	6.929	3.268	2.756	1.496
100x32	114.3x42.4	300		138	176	85	77	46
4x1 1/4	4.50x1.669	2.07		5.443	6.929	3.346	3.031	1.811
100x40	114.3x48.3	300		138	176	85	83	51
4x1 1/2	4.50x1.90	2.07		5.443	6.929	3.346	3.268	2.008
100x50	114.3x60.3	300		138	176	85	92	61
4x2	4.50x2.375	2.07		5.443	6.929	3.346	3.622	2.402
100x65	114.3x76.1	300		138	176	85	112	81
4x2 1/2	4.50x2.996	2.07		5.443	6.929	3.346	4.409	3.189
100x80	114.3x88.9	300		138	176	85	118	86
4x3	4.50x3.50	2.07		5.443	6.929	3.346	4.646	3.386
125x25	139.7x33.7	300		164	206	98	70	38
5x1	5.50x1.327	2.07		6.457	8.110	3.858	2.756	1.496
125x32	139.7x42.4	300		164	206	98	77	46
5x1 1/4	5.50x1.669	2.07		6.457	8.110	3.858	3.031	1.811
125x40	139.7x48.3	300		164	206	98	83	51
5x1 1/2	5.50x1.90	2.07		6.457	8.110	3.858	3.268	2.008
125x50	139.7x60.3	300		164	206	98	92	61
5x2	5.50x2.375	2.07		6.457	8.110	3.858	3.622	2.402
125x65	139.7x76.1	300		164	206	98	112	81
5x2 1/2	5.50x2.996	2.07		6.457	8.110	3.858	4.409	3.189
125x80	139.7x88.9	300		164	206	98	118	86
5x3	5.50x3.50	2.07		6.457	8.110	3.858	4.646	3.386

BAOLAI Steel

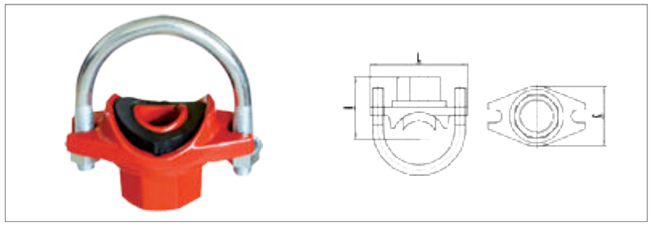
Mechanical Tee (Threaded)





Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/Mpa	Bolt Size No.–Size mm	Dimensions mm/in Φ	L	K	H	Hole Dia mm/in +1.6,0/+0.063,0
125x25	141.3x33.7	300		164	206	98	70	38
5x1	5.56x1.327	2.07		6.457	8.110	3.858	2.756	1.496
125x32	141.3x42.4	300		164	206	98	77	46
5x1 1/4	5.56x1.669	2.07		6.457	8.110	3.858	3.031	1.811
125x40	141.3x48.3	300		164	206	98	83	51
5x1 1/2	5.56x1.90	2.07		6.457	8.110	3.858	3.268	2.008
125x50	141.3x60.3	300		164	206	98	92	61
5x2	5.56x2.375	2.07		6.457	8.110	3.858	3.622	2.402
125x65	141.3x76.1	300		164	206	98	112	81
5x2 1/2	5.56x2.996	2.07		6.457	8.110	3.858	4.409	3.189
125x80	141.3x88.9	300		164	206	98	118	86
5x3	5.56x3.50	2.07		6.457	8.110	3.858	4.646	3.386
150x25	159.0x33.7	300		183	222	110	70	38
6x1	6.260x1.327	2.07		7.205	8.740	4.331	2.756	1.496
150x32	159.0x42.4	300		183	222	110	77	46
6x1 1/4	6.260x1.669	2.07		7.205	8.740	4.331	3.031	1.811
150x40	159.0x48.3	300		183	222	110	83	51
6x1 1/2	6.260x1.90	2.07		7.205	8.740	4.331	3.268	2.008
150x50	159.0x60.3	300		183	222	110	92	61
6x2	6.260x2.375	2.07		7.205	8.740	4.331	3.622	2.402
150x65	159.0x76.1	300		183	222	110	112	81
6x2 1/2	6.260x2.996	2.07		7.205	8.740	4.331	4.409	3.189
150x80	159.0x88.9	300		183	222	110	118	86
6x3	6.260x3.500	2.07		7.205	8.740	4.331	4.646	3.386
150x25	165.1x33.7	300	2–M12x75	189	226	113	70	38
6x1	6.50x1.327	2.07		7.441	8.898	4.449	2.756	1.496
150x32	165.1x42.4	300		189	226	113	77	46
6x1 1/4	6.500x1.669	2.07		7.441	8.898	4.449	3.031	1.811
150x40	165.1x48.3	300		189	226	113	83	51
6x1 1/2	6.50x1.90	2.07		7.441	8.898	4.449	3.268	2.008
150x50	165.1x60.3	300		189	226	113	92	61
6x2	6.50x2.375	2.07		7.441	8.898	4.449	3.622	2.402
150x65	165.1x76.1	300		189	226	113	112	81
6x2 1/2	6.50x2.996	2.07		7.441	8.898	4.449	4.409	3.189
150x80	165.1x88.9	300		189	226	113	118	86
6x3	6.50x3.50	2.07		7.441	8.898	4.449	4.646	3.386
150x100	165.1x114.3	300		189	226	113	149	114
6x4	6.50x4.50	2.07		7.441	8.898	4.449	5.866	4.488
150x25	168.3x33.7	300		192	228	115	70	38
6x1	6.625x1.327	2.07		7.559	8.976	4.528	2.756	1.496
150x32	168.3x42.4	300		192	228	115	77	46
6x1 1/4	6.625x1.669	2.07		7.559	8.976	4.528	3.031	1.811
150x40	168.3x48.3	300		192	228	115	83	51
6x1 1/2	6.625x1.90	2.07		7.559	8.976	4.528	3.268	2.007
150x50	168.3x60.3	300		192	228	115	92	61
6x2	6.625x2.375	2.07		7.559	8.976	4.528	3.622	2.401
150x65	168.3x76.1	300		192	228	115	112	81
6x2 1/2	6.625x2.996	2.07		7.559	8.976	4.528	4.409	3.228
150x80	168.3x88.9	300		192	228	115	118	86
6x3	6.625x3.50	2.07		7.559	8.976	4.528	4.646	3.385
200x25	219.1x33.7	300		247	304	142	72	38
8x1	8.625x1.327	2.07		9.724	11.969	5.591	2.835	1.811
200x32	219.1x42.4	300		247	304	142	79	46
8x1 1/4	8.625x1.669	2.07		9.724	11.969	5.591	3.110	1.811
200x40	219.1x48.3	300		247	304	142	85	51
8x1 1/2	8.625x1.90	2.07		9.724	11.969	5.591	3.346	2.008
200x50	219.1x60.3	300	2–M16x100	247	304	142	94	61
8x2	8.625x2.375	2.07		9.724	11.969	5.591	3.701	2.402
200x65	219.1x76.1	300		247	304	142	114	81
8x2 1/2	8.625x2.996	2.07		9.724	11.969	5.591	4.488	3.189
200x80	219.1x88.9	300		247	304	142	120	86
8x3	8.625x3.50	2.07		9.724	11.969	5.591	4.724	3.386
200x100	219.1x114.3	300		247	304	142	149	114
8x4	8.625x4.50	2.07		9.724	11.969	5.591	5.866	4.488

U–Bolted Mechanical Tee(Threaded)



According to different situations, the appearance can be dealed with epoxy powder, galvanized, paint,dacromet or your requirements.

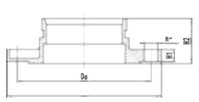
Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/Mpa	Bolt Size No.–Size mm	Dimensions mm/in H	L	K	Hole cuting dimensions mm/in +1.6,0/+0.063,0
25x15	33.7x21.3	300	M8x25	43.5	74	44	26
1x 1/2	1.327x0.839	2.07		1.713	2.913	1.732	1.024
25x20	33.7x26.9	300	M8x25	47.5	74	44	26
1x3/4	1.327x1.059	2.07		1.870	2.913	1.732	1.024
32x15	42.4x21.3	300	M10x28.5	47	90	56	30
1 1/4x1/2	1.669x0.839	2.07		1.850	3.543	2.205	1.181
32x20	42.4x26.9	300	M10x28.5	51	90	56	30
1 1/4x3/4	1.669x1.059	2.07		2.008	3.543	2.205	1.181
32x25	42.4x33.7	300	M10x28.5	56	90	56	30
1 1/4x1	1.669x1.327	2.07		2.205	3.543	2.205	1.181
40x15	48.3x21.3	300	M10x28.5	49	90	56	30
1 1/2x1/2	1.900x0.839	2.07		1.929	3.543	2.205	1.181
40x20	48.3x26.9	300	M10x28.5	53	90	56	30
1 1/2x3/4	1.900x1.059	2.07		2.087	3.543	2.205	1.181
40x25	48.3x33.7	300	M10x28.5	58	90	56	30
1 1/2x1	1.900x1.327	2.07		2.283	3.543	2.205	1.181
50x15	60.3x21.3	300	M10x30	56	100	56	30
2x1/2	2.375x0.839	2.07		2.205	3.937	2.205	1.181
50x20	60.3x26.9	300	M10x30	60	100	56	30
2x3/4	2.375x1.059	2.07		2.362	3.937	2.205	1.181
50x25	60.3x33.7	300	M10x30	65	100	56	30
2x1	2.375x1.327	2.07		2.559	3.937	2.205	1.181
65x15	73.1x21.3	300	M10x30	64	112	56	30
2 1/2x1/2	2.878x0.839	2.07		2.520	4.409	2.205	1.181
65x20	73.1x26.9	300	M10x30	68	112	56	30
2 1/2x3/4	2.878x1.059	2.07		2.677	4.409	2.205	1.181
65x25	73.1x33.7	300	M10x30	73	112	56	30
2 1/2x1	2.878x1.327	2.07		2.874	4.409	2.205	1.181
65x15	76.1x21.3	300	M10x30	61	110	59	30
2 1/2x1/2	2.996x0.839	2.07		2.402	4.331	2.323	1.181
65x20	76.1x26.9	300	M10x30	67	110	59	30
2 1/2x3/4	2.996x1.059	2.07		2.638	4.331	2.323	1.181
65x25	76.1x33.7	300	M10x30	74	110	59	30
2 1/2x1	2.996x1.327	2.07		2.913	4.331	2.323	1.181

BAOLAI Steel

Flange Adaptor PN16

Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/Mpa	Dimensions mm/in				Bolt/Nut
			Do	H1	H2	Φ	NO.–Size mm
50 2	60.3 2.374	300 2.07	125 4.921	16 0.630	60 2.362	160 6.299	4xM16
65 2 1/2	73.0 2.875	300 2.07	145 5.709	16 0.630	60 2.362	180 7.087	4xM16
65 2 1/2	76.1 3	300 2.07	145 5.709	16 0.630	60 2.362	180 7.087	4xM16
80 3	88.9 3.5	300 2.07	160 6.299	17 0.669	60 2.362	195 7.677	8xM16
100 4	108 4.25	300 2.07	180 7.087	17 0.669	60 2.362	215 8.465	8xM16
100 4	114.3 4.5	300 2.07	180 7.087	17 0.669	60 2.362	215 8.465	8xM16
125 5	133 5.25	300 2.07	210 8.268	19 0.748	65 2.559	245 9.646	8xM16
125 5	139.7 5.5	300 2.07	210 8.268	19 0.748	65 2.559	245 9.646	8xM16
125 5	141.3 5.56	300 2.07	210 8.268	19 0.748	65 2.559	245 9.646	8xM16
150 6	159 6.25	300 2.07	240 9.449	20 0.787	65 2.559	280 11.024	8xM20
150 6	165.1 6.5	300 2.07	240 9.449	20 0.787	65 2.559	280 11.024	8xM20
150 6	168.3 6.625	300 2.07	240 9.449	20 0.787	65 2.559	280 11.024	8xM20
200 8	219.1 8.625	300 2.07	295 11.614	20 0.787	75 2.952	330 12.992	12xM20
250 10	273 10.748	300 2.07	295 11.614	25 0.984	85 3.346	400 15.748	12xM20
300 12	323.9 12.752	300 2.07	410 16.142	25 0.987	90 3.543	460 18.110	12xM24

Adaptor Flange PN25

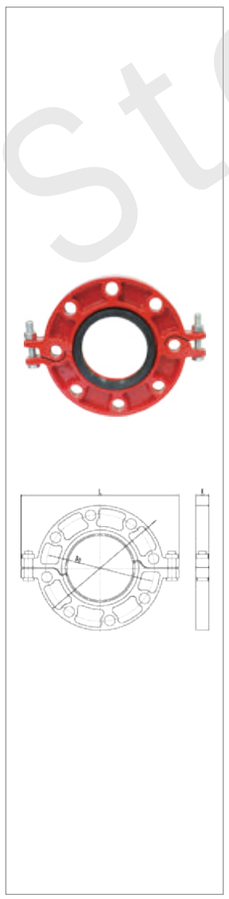


Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/Mpa	Dimensions mm/in				Bolt/Nut
			Do	H1	H2	Φ	NO.–Size mm
100 108.0	108.0 4.250	300 2.07	190 7.48	18 0.71	70 2.756	230 9.05	8XM20
100 4	114.3 4.500	300 2.07	190 7.48	16 0.63	70 2.756	235 9.25	8XM20
150 159.0	159.0 6.250	300 2.07	250 9.85	20 0.79	70 2.756	300 11.80	8XM20
150 165.1	165.1 6.500	300 2.07	250 9.84	18 0.71	70 2.756	300 11.80	8XM20
200 8	219.1 8.625	300 2.07	310 12.20	19 0.75	80 3.150	360 14.17	8XM20

Flange Adaptor (Threaded)

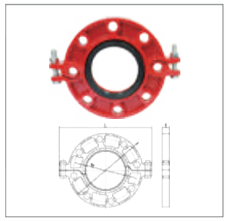
Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/Mpa	Dimensions mm/in				Bolt/Nut
			Do	H1	H2	Φ	NO.–Size mm
50 2	60.3 2.374	300 2.07	125 4.921	16 0.630	30 1.181	160 6.299	4xM16
65 2 1/2	76.1 3	300 2.07	145 5.709	16 0.630	30 1.181	180 7.087	4xM16
80 3	88.9 3.5	300 2.07	160 6.299	17 0.669	30 1.181	195 7.677	8xM16
100 4	114.3 4.5	300 2.07	180 7.087	17 0.669	30 1.181	215 8.465	8xM16

Grooved Flange PN16



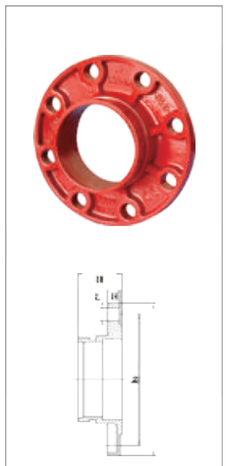
Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/Mpa	Dimensions mm/in				Bolt/Nut
			Do	L	K	Φ	NO.–Size mm
50 2	60.3 2.374	300 2.07	125 4.921	220 8.661	22 0.866	160 6.299	4xM16
65 2 1/2	73.0 2.875	300 2.07	145 5.709	225 8.858	22 0.866	180 7.087	4xM16
65 2 1/2	76.1 3	300 2.07	145 5.709	225 8.858	22 0.866	180 7.087	4xM16
80 3	88.9 3.5	300 2.07	160 6.299	253 9.961	22 0.866	195 7.677	8xM16
100 4	108 4.25	300 2.07	180 7.087	262 10.315	22 0.866	215 8.465	8xM16
100 4	114.3 4.5	300 2.07	180 7.087	262 10.315	22 0.866	215 8.465	8xM16
125 5	133 5.25	300 2.07	210 8.268	292 10.315	22 0.866	245 9.646	8xM16
125 5	139.7 5.5	300 2.07	210 8.268	292 10.315	22 0.866	245 9.646	8xM16
125 5	141.3 5.56	300 2.07	210 8.268	292 10.315	22 0.866	245 9.646	8xM16
150 6	159 5	300 2.07	240 9.449	340 13.386	22 0.866	280 11.024	8xM20
150 6	165.1 6.5	300 2.07	240 9.449	340 13.386	22 0.866	280 11.024	8xM20
150 6	168.3 6.625	300 2.07	240 9.449	340 13.386	22 0.866	280 11.024	8xM20
200 8	219.1 8.625	300 2.07	295 11.614	408 16.063	25 0.984	330 12.992	12xM20

Grooved Flange PN25



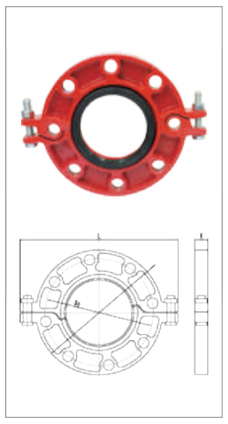
Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/Mpa	Dimensions mm/in				Bolt/Nut	
			Do	L	K	Φ	NO.-Size mm	
100	108.0	300	180	280	25.5	220	2-M12X55	8XM16
108.0	4.250	2.07	7.09	11.02	1.00	8.66		
150	165.1	300	240	346	25.5	280	2-M12X65	8XM20
165.1	6.500	2.07	9.45	13.62	1.00	11.00		

Flange Adaptor ANSI-Class 125/150



Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/Mpa	Dimensions mm/in				Bolt/Nut
			Do	H1	H2	Φ	NO.-Size mm
50	60.3	300	120.5	19	60.3	152	4XM16
2	2.375	2.07	4.744	0.748	2.37	5.98	
65	73.0	300	139.5	24	60.3	178	4XM16
2 1/2	2.875	2.07	5.693	0.944	2.37	7.00	
80	88.9	300	152.5	24	60.3	190	4XM16
3	3.500	2.07	6.00	0.944	2.37	7.48	
100	114.3	300	190.5	24	70	229	4XM16
4	4.500	2.07	7.5	0.944	2.755	9.015	
125	141.3	300	216	24	70	254	8XM20
5	5.56	2.07	8.503	0.944	2.755	10	
150	168.3	300	241.5	25	70	279	8XM20
6	6.625	2.07	9.507	0.984	2.755	10.98	
200	219.1	300	298.5	29	76.1	343	8XM20
8	8.625	2.07	11.751	1.141	2.99	13.50	
250	273.0	300	362	30	85	406	12XM22
10	10.750	2.07	14.251	1.181	3.346	15.98	
300	323.9	300	432	32	90	483	12XM22
12	12.750	2.07	17.00	1.259	3.543	19.01	

Grooved Flange ANSI-Class 125/150



Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/Mpa	Dimensions mm/in				Bolt/Nut
			Do	L	K	Φ	NO.-Size mm
50	60.3	300	121	206	22	152	4XM16
2	2.375	2.07	4.763	8.110	0.866	5.984	
65	73.0	300	140	230	22	178	4XM16
2 1/2	2.875	2.07	5.511	9.055	0.866	7.007	
80	88.9	300	152	242	24	191	4XM16
3	3.500	2.07	5.984	9.572	0.944	7.519	
100	114.3	300	191	280	24	229	8XM16
4	4.500	2.07	7.519	11.023	0.944	9.015	
125	141.3	300	216	325	24.5	254	8XM20
5	5.56	2.07	8.503	12.795	0.964	10	
150	168.3	300	241.5	345	24.5	282	8XM20
6	6.625	2.07	9.508	13.583	0.964	11.102	
200	219.1	300	298.5	414.3	28	341.4	8XM20
8	8.625	2.07	11.751	16.311	1.102	13.44	

Reducing Flexible Coupling

Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Bolt Size	Dimensions mm/in		
			No.-Size mm	O	L	H
50*40 2*1½	60.3*48.3 2.375*1.900	300 2.07	2-M10×55	90 3.543	129 5.079	47 1.850
65*40 2½*1½	73.0*48.3 2.874*1.900	300 2.07	2-M10×55	101 3.976	137 5.394	48 1.890
65*50 2½*2	73.0*60.3 2.874*2.375	300 2.07	2-M10×55	105 4.134	137 5.394	48 1.890
65*40 2½*1½	76.1*48.3 2.996*1.900	300 2.07	2-M10×55	105 4.134	140 5.512	48 1.890
65*50 2*2	76.1*60.3 2.996*2.375	300 2.07	2-M10×55	120 4.724	140 5.512	48 1.890
80*40 3*1½	88.9*48.3 3.500*1.900	300 2.07	2-M12×65	120 4.724	164 6.457	48 1.890
80*50 3*2	88.9*60.3 3.500*2.375	300 2.07	2-M12×65	120 4.724	164 6.457	48 1.890
80*65 3*2½	88.9*73.0 3.500*2.874	300 2.07	2-M12×65	120 4.724	164 6.457	48 1.890
80*65 3*2½	88.9*76.1 3.500*2.996	300 2.07	2-M12×65	150 5.906	164 6.457	48 1.890

Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Bolt Size	Dimensions mm/in		
			No.-Size mm	O	L	H
100*40 4*1½	114.3*48.3 4.500*1.900	300 2.07	2-M12×65	150 5.906	195 7.677	49 1.929
100*50 4*2	114.3*60.3 4.500*2.375	300 2.07	2-M12×65	150 5.906	195 7.677	49 1.929
100*65 4*2½	114.3*73 4.500*2.874	300 2.07	2-M12×65	150 5.906	195 7.677	49 1.929
100*65 4*2½	114.3*76.1 4.500*2.996	300 2.07	2-M12×65	150 5.906	195 7.677	49 1.929
100*80 4*3	114.3*88.9 4.500*3.500	300 2.07	2-M12×65	150 5.906	195 7.677	49 1.929
150*100 6*4	165.1*114.3 6.500*4.500	300 2.07	2-M12×75	203 7.992	235 9.525	50 1.969
150*80 6*3	168.3*88.9 6.625*3.500	300 2.07	2-M12×75	203 7.992	235 9.525	50 1.969
150*100 6*4	168.3*114.3 6.625*4.500	300 2.07	2-M12×75	203 7.992	235 9.525	50 1.969
200*150 8*6	219.1*168.3 8.625*6.625	300 2.07	2-M16×100	264 10.394	313 12.323	50 1.969

Concentric Reducer (Grooved)

Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/Mpa	L mm/in
50x25 2x1	60.3x33.7 2.375x1.327	300 2.07	60 2.362
50x32 2x1 1/4	60.3x42.4 2.375x1.669	300 2.07	64 2.62
50x40 2x1 1/2	60.3x48.3 2.375x1.902	300 2.07	64 2.62
65x25 2 1/2x1	73.0x33.7 2.875x1.327	300 2.07	64 2.62
65x32 2 1/2x1 1/4	73.0x42.4 2.875x1.669	300 2.07	64 2.62
65x40 2 1/2x1 1/2	73.0x48.3 2.875x1.902	300 2.07	64 2.62
65x50 2 1/2x2	73.0x60.3 2.875x2.375	300 2.07	64 2.62
65x25 2 1/2x1	76.1x33.7 2.996x1.327	300 2.07	64 2.62
65x32 2 1/2x1 1/4	76.1x42.4 2.996x1.669	300 2.07	64 2.62
65x40 2 1/2x1 1/2	76.1x48.3 2.996x1.902	300 2.07	64 2.62
65x50 2 1/2x2	76.1x60.3 2.996x2.375	300 2.07	64 2.62
80x25 3x1	88.9x33.7 3.5x1.327	300 2.07	64 2.62
80x32 3x1 1/4	88.9x42.4 3.5x1.669	300 2.07	64 2.62
80x40 3x1 1/2	88.9x48.3 3.5x1.902	300 2.07	64 2.62
80x50 3x2	88.9x60.3 3.5x2.374	300 2.07	64 2.52
80x65 3x2 1/2	88.9x76.1 3.5x2.996	300 2.07	64 2.52
100x50 4x2	108x60.3 4.252x2.374	300 2.07	76 2.99
100x65 4x2 1/2	108x76.1 4.252x2.996	300 2.07	76 2.99

Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/Mpa	L mm/in
100x80 4x3	108x88.9 4.252x3.5	300 2.07	76 2.99
100x50 4x2	114.3x60.3 1.5x2.374	300 2.07	76 2.99
100x65 4x2 1/2	114.3x76.1 4.5x2.996	300 2.07	76 2.99
100x80 4x3	114.3x88.9 1.5x3.5	300 2.07	76 2.99
125x25 5x1	133x33.7 5.236x1.327	300 2.07	102 4.02
125x50 5x2	133x60.3 5.236x2.374	300 2.07	102 4.016
125x65 5x2 1/2	133x76.1 5.236x2.996	300 2.07	102 4.016
125x80 5x3	133x88.9 5.236x3.5	300 2.07	102 4.016
125x100 5x4	133x108 5.236x4.252	300 2.07	102 4.016
125x100 5x4	133x114.3 5.236x4.5	300 2.07	102 4.016
125x50 5x2	139.7x60.3 5.5x2.374	300 2.07	102 4.016
125x65 5x2 1/2	139.7x76.1 5.5x2.996	300 2.07	102 4.016
125x80 5x3	139.7x88.9 5.5x3.5	300 2.07	102 4.016
125x100 5x4	139.7x88.9 5.5x3.5	300 2.07	102 4.016
125x100 5x4	139.7x108 5.5x4.252	300 2.07	102 4.016
125x100 5x4	139.7x114.3 5.5x4.5	300 2.07	102 4.016
125x50 5x2	141.3x60.3 5.56x2.374	300 2.07	102 4.016
125x65 5x2 1/2	141.3x76.1 5.56x2.996	300 2.07	102 4.016

Concentric Reducer (Grooved)

Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/Mpa	L mm/in
125x100	141.3x108	300	102
5x4	5.56x4.252	2.07	4.016
125x100	141.3x114.3	300	102
5x4	5.56x4.5	2.07	4.016
150x50	159x60.3	300	102
6x2	6.26x2.374	2.07	4.016
150x65	159x76.1	300	102
6x2 1/2	6.26x2.996	2.07	4.016
150x80	159x88.9	300	102
6x3	6.26x3.5	2.07	4.016
150x100	159x108	300	102
6x4	6.26x4.252	2.07	4.02
150x100	159x114.3	300	102
6x4	6.26x4.5	2.07	4.02
150x125	159x133	300	102
6x5	6.26x5.236	2.07	4.02
150x125	159x139.7	300	102
6x5	6.26x5.5	2.07	4.02
150x50	165.1x60.3	300	102
6x2	6.5x2.374	2.07	4.016
150x65	165.1x76.1	300	102
6x2 1/2	6.5x2.996	2.07	4.016
150x80	165.1x88.9	300	102
6x3	6.5x3.5	2.07	4.016
150x100	165.1x108	300	102
6x4	6.5x4.252	2.07	4.016
150x100	165.1x114.3	300	102
6x4	6.5x4.5	2.07	4.016
150x125	165.1x133	300	102
6x5	6.5x5.236	2.07	4.016
150x125	165.1x139.7	300	102
6x5	6.5x5.5	2.07	4.016
150x50	168.3x60.3	300	102
6x2	6.614x2.374	2.07	4.016
150x65	168.3x76.1	300	102
6x2 1/2	6.614x2.996	2.07	4.016
150x80	168.3x88.9	300	102
6x3	6.614x3.5	2.07	4.016

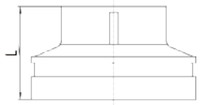
Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/Mpa	L mm/in
150x100	168.3x108	300	102
6x4	6.614x4.252	2.07	4.016
150x100	168.3x114.3	300	102
6x4	6.614x4.5	2.07	4.016
150x125	168.3x133	300	102
6x5	6.614x5.236	2.07	4.016
150x125	168.3x139.7	300	102
6x5	6.614x5.5	2.07	4.016
200x50	219.1x60.3	300	127
8x2	8.626x2.374	2.07	5
200x65	219.1x76.1	300	127
8x2 1/2	8.626x2.996	2.07	5
200x80	219.1x88.9	300	127
8x3	8.626x3.5	2.07	5
200x100	219.1x108	300	127
8x4	8.626x4.252	2.07	5
200x100	219.1x114.3	300	127
8x4	8.626x4.5	2.07	5
200x125	219.1x133	300	127
8x5	8.626x5.236	2.07	5
200x125	219.1x139.7	300	127
8x5	8.626x5.5	2.07	5
200x150	219.1x159	300	127
8x6	8.626x6.26	2.07	5
200x150	219.1x165.1	300	127
8x6	8.626x6.5	2.07	5
200x150	219.1x168.3	300	127
8x6	8.626x6.626	2.07	5
250x100	273x114.3	300	135
10x4	10.748x4.5	2.07	5.315
250x125	273x139.7	300	135
10x5	10.748x5.5	2.07	5.315
250x150	273x165.1	300	135
10x6	10.748x6.5	2.07	5.315
250x150	273x168.3	300	135
10x6	10.748x6.626	2.07	5.315
250x200	273x219.1	300	135
10x8	10.748x8.626	2.07	5.315

Concentric Reducer (Threaded)

Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/Mpa	L mm/in
50x25	60.3x33.7	300	64
2x1	2.375x1.327	2.07	2.62
50x32	60.3x42.4	300	64
2x1 1/2	2.375x1.669	2.07	2.62
50x40	60.3x48.3	300	64
2x1 1/2	2.375x1.902	2.07	2.62
65x25	73.0x33.7	300	64
2 1/2x1	2.875x1.327	2.07	2.62
65x32	73.0x42.4	300	64
2 1/2x1 1/4	2.875x1.669	2.07	2.62
65x40	73.0x48.3	300	64
2 1/2x1 1/2	2.875x1.902	2.07	2.62
65x50	73.0x60.3	300	64
2 1/2x2	2.875x2.375	2.07	2.62
65x25	76.1x33.7	300	64
2 1/2x1	2.996x1.327	2.07	2.62
65x32	76.1x42.4	300	64
2 1/2x1 1/4	2.996x1.669	2.07	2.62
65x40	76.1x48.3	300	64
2 1/2x1 1/2	2.996x1.902	2.07	2.62
65x50	76.1x60.3	300	64
2 1/2x2	2.996x2.375	2.07	2.62
80x25	88.9x33.7	300	64
3x1	3.5x1.327	2.07	2.62
80x32	88.9x42.4	300	64
3x1 1/4	3.5x1.669	2.07	2.62
80x40	88.9x48.3	300	64
3x1 1/2	3.5x1.902	2.07	2.62
80x50	88.9x60.3	300	64
3x2	3.5x2.375	2.07	2.62
80x65	88.9x76.1	300	64
3x2 1/2	3.5x2.996	2.07	2.62
100x25	108x33.7	300	76
4x1	4.252x1.327	2.07	2.992
100x32	108x42.4	300	76
4x1 1/4	4.252x1.669	2.07	2.992
100x40	108x48.3	300	76
4x1 1/2	4.252x1.902	2.07	2.992
100x50	108x60.3	300	76
4x2	4.252x2.375	2.07	2.992

Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/Mpa	L mm/in
100x65	108x76.1	300	76
4x2 1/2	4.252x2.996	2.07	2.992
100x80	108x88.9	300	76
4x3	4.252x3.5	2.07	2.992
100x25	114.3x33.7	300	76
4x1	4.5x1.327	2.07	2.992
100x32	114.3x42.4	300	76
4x1 1/4	4.5x1.669	2.07	2.992
100x40	114.3x48.3	300	76
4x1 1/2	4.5x1.902	2.07	2.992
100x50	114.3x60.3	300	76
4x2	4.5x2.375	2.07	2.992
100x65	144.3x76.1	300	76
4x2 1/2	4.5x2.996	2.07	2.992
100x80	114.3x88.9	300	76
4x3	4.5x3.5	2.07	2.992
125x25	133x33.7	300	102
5x1	5.236x1.327	2.07	4.016
125x32	133x42.4	300	102
5x1 1/4	5.236x1.669	2.07	4.016
125x40	133x48.3	300	102
5x1 1/2	5.236x1.902	2.07	4.016
125x50	133x60.3	300	102
5x2	5.236x2.375	2.07	4.016
125x65	133x76.1	300	102
5x2 1/2	5.236x2.375	2.07	4.016
125x80	133x88.9	300	102
5x3	5.236x3.5	2.07	4.016
125x100	133x108	300	102
5x4	5.236x4.252	2.07	4.016
125x100	133x114.3	300	102
5x4	5.236x4.5	2.07	4.016
125x25	139.7x33.7	300	102
5x1	5.5x1.327	2.07	4.016
125x32	139.7x42.4	300	102
5x1 1/4	5.5x1.669	2.07	4.016
125x40	139.7x48.3	300	102
5x1 1/2	5.5x1.902	2.07	4.016
125x50	139.7x60.3	300	102
5x2	5.5x2.375	2.07	4.016

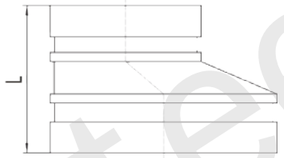
Concentric Reducer (Threaded)



Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/Mpa	L mm/in
125x65	139.7x76.1	300	102
5x2 1/2	5.5x2.996	2.07	4.016
125x80	139.7x88.9	300	102
5x3	5.5x3.5	2.07	4.016
125x100	139.7x108	300	102
5x4	5.5x4.5	2.07	4.016
125x100	139.7x114.3	300	102
5x4	5.5x4.5	2.07	4.016
125x25	141.3x33.7	300	102
5x1	5.56x1.327	2.07	4.016
125x32	141.3x42.4	300	102
5x1 1/4	5.56x1.669	2.07	4.016
125x40	141.3x48.3	300	102
5x1 1/2	5.56x1.902	2.07	4.016
125x50	141.3x60.3	300	102
5x2	5.56x2.375	2.07	4.016
125x65	141.3x76.1	300	102
5x2 1/2	5.56x2.996	2.07	4.016
125x80	141.3x88.9	300	102
5x3	5.56x3.5	2.07	4.016
125x100	141.3x108	300	102
5x4	5.56x4.5	2.07	4.016
125x100	141.3x114.3	300	102
5x4	5.56x4.5	2.07	4.016
150x25	159x33.7	300	102
6x1	6.26x1.327	2.07	4.016
150x32	159x42.4	300	102
6x1 1/4	6.26x1.669	2.07	4.016
150x40	159x48.3	300	102
6x1 1/2	6.26x1.902	2.07	4.016
150x50	159x60.3	300	102
6x2	6.26x2.375	2.07	4.016
150x65	159x76.1	300	102
6x2 1/2	6.26x2.996	2.07	4.016
150x80	159x88.9	300	102
6x3	6.26x3.5	2.07	4.016
150x100	159x114.3	300	102
6x4	6.26x4.5	2.07	4.016
150x25	165.1x33.7	300	102
6x1	6.5x1.327	2.07	4.016

Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/Mpa	L mm/in
150x32	165.1x42.4	300	102
6x1 1/4	6.5x1.669	2.07	4.016
150x40	165.1x48.3	300	102
6x1 1/2	6.5x1.902	2.07	4.016
150x50	165.1x60.3	300	102
6x2	6.5x2.375	2.07	4.016
150x65	165.1x76.1	300	102
6x2 1/2	6.5x2.996	2.07	4.016
150x80	165.1x88.9	300	102
6x3	6.5x3.5	2.07	4.016
150x100	165.1x114.3	300	102
6x4	6.5x4.5	2.07	4.016
150x25	168.3x33.7	300	102
6x1	6.614x1.327	2.07	4.016
150x32	168.3x42.4	300	102
6x1 1/4	6.614x1.669	2.07	4.016
150x40	168.3x48.3	300	102
6x1 1/2	6.614x1.902	2.07	4.016
150x50	168.3x60.3	300	102
6x2	6.614x2.375	2.07	4.016
150x65	168.3x76.1	300	102
6x2 1/2	6.614x2.996	2.07	4.016
150x80	168.3x88.9	300	102
6x3	6.614x3.5	2.07	4.016
150x100	168.3x114.3	300	102
6x4	6.614x4.5	2.07	4.016
200x25	219.1x33.7	300	127
8x1	8.625x1.327	2.07	5.000
200x32	219.1x42.4	300	127
8x1 1/4	8.625x1.669	2.07	5.000
200x40	219.1x48.3	300	127
8x1 1/2	8.625x1.902	2.07	5.000
200x50	219.1x60.3	300	127
8x2	8.625x2.375	2.07	5.000
200x65	219.1x76.1	300	127
8x2 1/2	8.6252.996	2.07	5.000
200x80	219.1x88.9	300	127
8x3	8.625x3.5	2.07	5.000
200x100	219.1x114.3	300	127
8x4	8.625x4.5	2.07	5.000

Eccentric Reducer (Grooved)

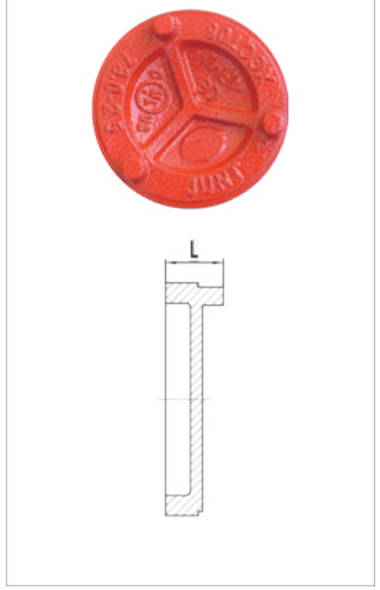


Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/Mpa	L mm/in
100x65	108x76.1	300	102
4x2 1/2	4.252x2.996	2.07	4.331
100x80	108x88.9	300	102
4x3	4.252x3.50	2.07	4.331
100x65	114.3x76.1	300	102
4x2 1/2	4.50x2.996	2.07	4.331
100x80	114.3x88.9	300	102
4x3	4.50x3.50	2.07	4.331
125x80	139.7x88.9	300	102
5x3	5.50x3.50	2.07	4.331
125x100	139.7x114.3	300	102
5x4	5.50x4.50	2.07	4.331
150x65	159x76.1	300	102
6x2 1/2	6.260x2.996	2.07	4.331
150x80	159x88.9	300	102
6x3	6.260x3.50	2.07	4.331
150x100	159x108	300	102
6x4	6.260x4.252	2.07	4.331
150x100	159x114.3	300	102
6x4	6.260x4.50	2.07	4.331
150x125	159x139.7	300	102
6x5	6.260x5.50	2.07	4.331
150x65	165.1x76.1	300	102
6x2 1/2	6.50x2.996	2.07	4.331
150x80	165.1x88.9	300	102
6x3	6.50x3.50	2.07	4.331
150x100	165.1x114.3	300	102
6x4	6.50x4.50	2.07	4.331
150x125	165.1x139.7	300	102
6x5	6.50x5.50	2.07	4.331
200x80	219.1x88.9	300	130
8x3	8.626x3.50	2.07	5.118
200x100	219.1x114.3	300	130
8x4	8.626x4.50	2.07	5.118
200x125	219.1x139.7	300	130
8x5	8.626x5.50	2.07	5.118
200x150	219.1x159	300	130
8x6	8.626x6.260	2.07	5.118
200x150	219.1x165.1	300	130
8x6	8.626x6.50	2.07	5.118
200x150	219.1x168.3	300	130
5x6	8.626x6.626	2.07	5.118
250x150	273x159	300	152
10x6	10.748x6.260	2.07	5.984

BAOLAI Steel

Cap

According to different situations, the appearance can be dealed with epoxy powder, galvanized, paint,dacromet or your requirements.

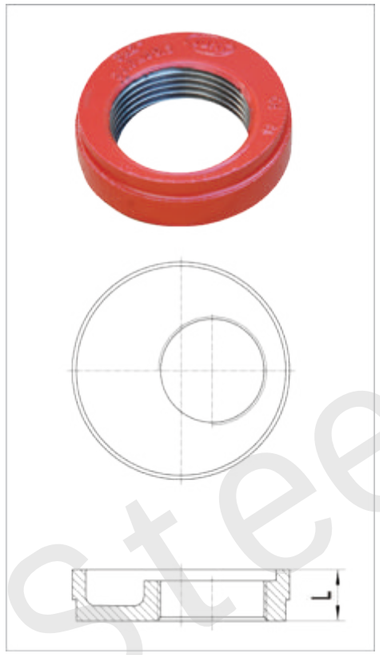


Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/Mpa	L mm/in
25 1	33.7 1.327	300 2.07	24 0.945
32 1 1/4	42.4 1.669	300 2.07	24 0.945
40 1 1/2	48.3 1.900	300 2.07	24 0.945
50 2	60.3 2.375	300 2.07	26 1.024
65 2 1/2	73.0 2.875	300 2.07	28 1.102
65 2 1/2	76.1 3	300 2.07	28 1.102
80 3	88.9 3.5	300 2.07	28 1.102
100 4	108 4.252	300 2.07	28 1.102
100 4	114.3 4.5	300 2.07	28 1.102
125 5	133 5.25	300 2.07	28 1.102
125 5	139.7 5.5	300 2.07	28 1.102
125 5	141.3 5.56	300 2.07	28 1.102
150 6	159 6.25	300 2.07	28 1.102
150 6	165.1 6.5	300 2.07	28 1.102
150 6	168.3 6.625	300 2.07	28 1.102
200 8	219.1 8.625	300 2.07	36 1.417
250 10	273 10.75	300 2.07	36 1.417

Shouldered Coupling

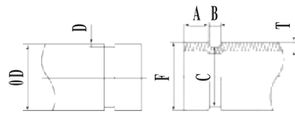
Nominal Size mm/in	Pipe O,D mm/in	Working Pressure PSI/MPa	Bolt Size	Dimensions mm/in		
			No.-Size mm	O	L	H
50 2	60.3 2.375	500 3.5	2−M12×60	97 3.957	132 5.197	48 1.89
80 3	88.9 3.500	500 3.5	2−M12×75	125 4.921	170 6.692	48 1.89
100 4	114.3 4.500	500 3.5	2−M12×75	157 6.181	205 8.070	52 2.047
150 6	165.1 6.500	500 3.5	2−M16×85	213 8.386	270 10.708	52 2.047
200 8	219.1 8.625	500 3.5	2−M20×100	278 10.945	345 13.583	60 2.362
250 10	273 10.748	500 3.5	2−M22×130	340 13.38	415 16.339	64 2.52
300 12	323.9 12.752	500 3.5	2−M22×130	387 15.236	474 18.661	64 2.52
350 14	377 14.843	500 3.5	2−M22×130	438 17.244	518 20.394	76 2.992
400 16	425.5 16.752	500 3.5	2−M30×140	506 19.921	605 23.819	76 2.992

Cap with Eccentric Hole



Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/Mpa	L mm/in
65x25 2 1/2x1	76.1x33.7 3.000x1.315	300 2.07	25 0.99
65x40 2 1/2x1 1/2	76.1x48.3 3.000x1.900	300 2.07	25 0.99
80x25 3x1	88.9x33.7 3.500x1.315	300 2.07	25 0.99
80x40 3x1 1/2	88.9x48.3 3.500x1.900	300 2.07	25 0.99
80x50 3x2	88.9x60.3 3.500x2.375	300 2.07	25 0.99
100x25 4x1	114.3x33.7 4.500x1.315	300 2.07	27 1.063
100x40 4x1 1/2	114.3x48.3 4.500x1.900	300 2.07	27 1.063
100x50 4x2	114.3x60.3 4.500x2.375	300 2.07	27 1.063
125x40 5x1 1/2	139.7x60.3 5.500x1.900	300 2.07	27 1.063
125x50 5x2	139.7x60.3. 5.500x2.375	300 2.07	27 1.063
150x40 6x1 1/2	165.1x48.3 6.500x1.900	300 2.07	27 1.063
150x40 6x1 1/2	168.3x48.3 6.625x1.900	300 2.07	27 1.063
150x50 6x2	168.3x60.3 6.625x2.375	300 2.07	27 1.063
200x40 8x1 1/2	219.1x48.3 8.625x1.900	300 2.07	31 1.22
200x50 8x2	219.1x60.3 8.625x2.375	300 2.07	31 1.22

Roll Groove Dimension Standard



Nominal pipe Diameter	Pipe outer diameter			The size from pipe end to groove edge A±0.76	Groove width B±0.76	Groove diameter C		Groove depth D	Minimum thickness of the pipe wall T	Outer diameter of the maximum extension surface
	Actual Size	Tolerance				Actual Size	Tolerance			
25	33.7	+0.41	−0.68	15.88	7.14	30.23	−0.38	1.60	1.8	34.5
32	42.4	+0.50	−0.60	15.88	7.14	38.99	−0.38	1.60	1.8	43.3
40	48.3	+0.44	−0.52	15.88	7.14	45.09	−0.38	1.60	1.8	49.4
50	60.3	+0.61	−0.61	15.88	8.74	57.15	−0.38	1.60	1.8	62.2
65	73.0	+0.74	−0.74	15.88	8.74	69.09	−0.46	1.98	2.3	75.2
65	76.1	+0.76	−0.76	15.88	8.74	72.26	−0.46	1.98	2.3	77.7
80	88.9	+0.89	−0.79	15.88	8.74	84.94	−0.46	1.98	2.3	90.6
90	101.6	+1.02	−0.79	15.88	8.74	97.38	−0.51	2.11	2.3	103.4
100	108.0	+1.07	−0.79	15.88	8.74	103.73	−0.51	2.11	2.3	109.7
100	114.3	+1.14	−0.79	15.88	8.74	110.08	−0.51	2.11	2.3	116.2
125	133.0	+1.32	−0.79	15.88	8.74	129.13	−0.51	2.11	2.9	134.9
125	139.7	+1.40	−0.79	15.88	8.74	135.48	−0.51	2.11	2.9	141.7
125	141.3	+1.42	−0.79	15.88	8.74	137.03	−0.56	2.13	2.9	143.5
150	159.0	+1.60	−0.79	15.88	8.74	154.50	−0.56	2.16	2.9	161.0
150	165.1	+1.60	−0.79	15.88	8.74	160.90	−0.56	2.16	2.9	167.1
150	168.3	+1.60	−0.79	15.88	8.74	163.96	−0.56	2.16	2.9	170.7
200	219.1	+1.60	−0.79	19.05	11.91	214.40	−0.64	2.34	2.9	221.5
250	273.0	+1.60	−0.79	19.05	11.91	268.28	−0.69	2.39	3.6	275.4
300	323.9	+1.60	−0.79	19.05	11.91	318.29	−0.76	2.77	4.0	326.2

BAOLAI Steel

Gasket Ring

Name	Temperature Range	General Service Recommendations	Color Mark
EPDM	−34~+150° C (−30~+302° F)	Recommended for hot water service within the specified temperature range plus a variety of dilute acids, oiL−free air and many chemical services. UL classified in accordance with ANSI/NSF 61 or cold + 86° F(+30) and hot +180° F (+82° C) potable water service. Not recommended for petroleum service.	Green Strip
Nitrile rubber	−29~+82° C (−20~+180° F)	Recommended for petroleum products. air with oil vapors, vegetable and mineral oils within the specified temperature range. Not recommended for hot water services.	Orange Strip
Silicon rubber	−40~+177° C (−40~+350° F)	Recommended for high temperature dry air and some high temperature chemical products.	White

Notes: 1.Gasket rings of different materials will be used for defferent liquid mediums.
2.Products can be supplied as per customers requiements.

Bolts and Nuts

Raw material of bolts and nuts are taken as 40 cr or 35# steel, and its mechanical properties should reach Gr.8.8 after hot−t reatment. Only one wrench will be used during the installation, safely and firmly.

Bolt dimension	M10	M12	M16	M20	M22
Spanner dimension	15	18	24	30	34

Other products

Roll grooving machine

Hole cutting machine

Pipe cutting machine

Lube

lubricant used for pipe clamp seal lip and back lubrication, prevent scratch tear sealing ring in the installation process. lubricant to the seal material without any pollution.
Special note: to ensure the sealing ring in good condition and normal use, must use lubricant during installation.

BAOLAI Steel

Installation Instruction For Rigid & Flexible Coupling

Pipe preparation

Check pipe end for proper groove dimensions and to assure that pipe end is free of indentations and projections that would prevent proper sealing.

Lubricate gasket

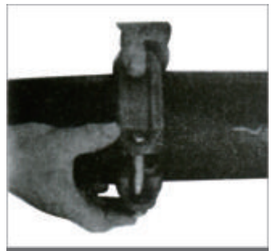
Check gasket to be sure it's compatible for the intended service. Apply thin lubricant to the outside and sealing lips of the gasket.

Gasket installation

Slip the gasket over one pipe, making sure the gasket lip does not over-hang the pipe end.

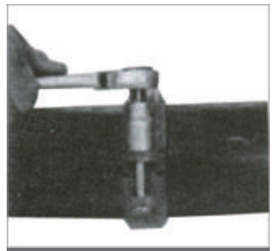
Alignment

After aligning two pipe ends together, pull the pull thegasket into position, centering between the grooves on each pipe. The gasket should not extend into the groove on either pipe.



Housing installation

Romove one bolt&nut and loosen the other nut. Place one housing over the gasket, making sure the housing keys fit into the pipe grooves. Swing the other housing over the gasket and into the grooves on both pipes. Re-insert the bolt and connect two housings.



Tighten nuts

Firstly hand tighten nuts and make sure oval neck bolt completely fits into bolt hole. Then securely tighten nuts alternatively and equally to the specified bolt torque by using spanner.

Assembly completed-rigid Coupling

For Rigid Coupling, keep the gaps at bolt pads evenly spaced. Gaskets can't be seen visually.

Assembly completed-Flexible Coupling

For Flexible Coupling, two housings should be iron to iron connected. Gaskets can't be seen visually.

Cuation
Proper torquing of bolts is required to obtain specified performance. - Over torquing the bolts may result in damage to the bolt and / or casting which could result in pipe joint separation. - Under torquing the bolts may result in lower pressure retention capabilities, lower bend load capabilities, joint leakage and pipe joint separation. Pipe joint separation may result in significant property damage and serious injury.

Specified Bolt Torque		
ANSI BOLTS		
Bolt Size	Specified Bolt Torque	
Inch	Lbs-Ft	N.m
3/8	30-45	40-60
1/2	80-100	110-135
5/8	100-130	135-175
3/4	130-180	175-245
7/8	180-240	245-325

Installation Instruction For Threaded & Grooved Mechanical Tee

Pipe preparation

Clean the gasket sealing surface within 16mm of the hole and visually inspect the sealing surface for defects that may prevent proper sealing of the gasket. Don't drill the hole on weld line.

Remove burrs

If any burrs or slug exists at the pipe hole, please remove them before assembly, to protect the gasket and avoid leakage.

Gasket installation

Insert the gasket into outlet housing making sure the tab in the gasket line up with the tab recesses in the housing. Align outlet housing over the pipe hole making sure that the locating collar is in the pipe hole.

Alignment

Align the strap around the pipe, inser the bolts and tighten the nuts finger tight.

Tighten nuts

Alternatively and evenly tighten the nuts to the specified bolt torque.

Assembly completed

There should be even gaps on two sides between upper and lower housings.

Cuation
Proper torquing of bolts is required to obtain specified erformance. - Over torquing the bolts may result in damage to the bolt and / or casting which could result in pipe joint separation. - Under torquing the bolts may result in lower pressure retention capabilities, lower bend load capabilities, joint leakage and pipe joint separation. Pipe joint separation may result in significant property damage and serious injury.

Specified Bolt Torque		
ANSI BOLTS		
Bolt Size	Specified Bolt Torque	
Inch	Lbs-Ft	N.m
3/8	30-45	40-60
1/2	80-100	110-135
5/8	100-130	135-175
3/4	-	-
7/8	-	-

BAOLAI Steel