



KSS Trillion Group Co.,Ltd.

# GROOVED COUPLINGS AND FITTINGS



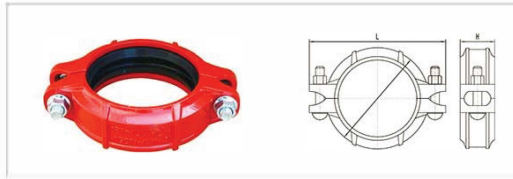
111/4 Ratnachok 3 Road , Soi Bangpla 2 , Bangpla Subdistrict,  
Bang Phli District, Samutprakan 10540 , Thailand  
Tel : 087-716-4994 , 02-002-9236

## DUCTILE IRON GROOVED FITTINGS AND COUPLINGS



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

## Rigid coupling XGQT1



According to different situations, the appearance can be dealt 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	33.7	300		55.6	98	44
1	1.327	2.07	2-M10*45	2.188	3.858	1.732
32	42.4	300		66	107	44
1 1/4	1.669	2.07	2-M10*45	2.598	4.213	1.732
40	48.3	300		74	115	44
1 1/2	1.9	2.07	2-M10*45	2.913	4.527	1.732
50	60.3	300		88.4	125	46
2	2.374	2.07	2-M10*55	3.480	4.921	1.732
65	73.0	300		102.2	140	46
2 1/2	2.875	2.07	2-M10*55	4.024	5.512	1.772
65	76.1	300		102.2	140	46
2 1/2	3	2.07	2-M10*55	4.024	5.512	1.772
80	88.9	300		117.4	154	46
3	3.5	2.07	2-M10*60	4.622	6.063	1.772
100	108	300		138.8	184	48
4	4.25	2.07	2-M12*65	5.466	7.244	1.889
100	114.3	300		146.6	190	48
4	4.5	2.07	2-M12*65	5.772	7.480	1.889
125	133	300		158	212	48
5	5.25	2.07	2-M12*75	6.220	8.346	1.889
125	139.7	300		171.2	220	48
5	5.5	2.07	2-M12*75	6.740	8.661	1.889
125	141.3	300		171.2	220	48
5	5.56	2.07	2-M12*75	6.740	8.661	1.889
150	159	300		192	240	48
6	6.25	2.07	2-M12*75	7.559	9.448	2.008
150	165.1	300		196.2	244	48
6	6.5	2.07	2-M12*75	7.724	9.606	2.008
150	168.3	300		199.4	246	48
6	6.625	2.07	2-M12*75	7.850	9.685	2.008
200	219.1	232		256.4	326	58
8	8.625	1.6	2-M16*85	10.024	12.835	2.283
250	273	232		316	426	64
10	10.748	1.6	2-M20*100	12.441	16.771	2.520
300	323.9	232		380	470	65
12	12.75	1.6	2-M22*130	14.961	18.504	2.559

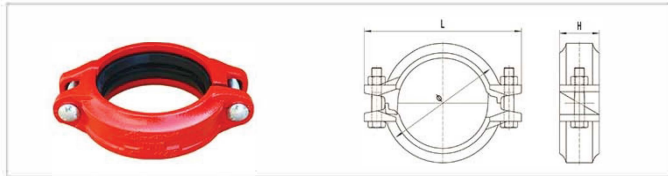
## Flexible coupling XGQT2



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

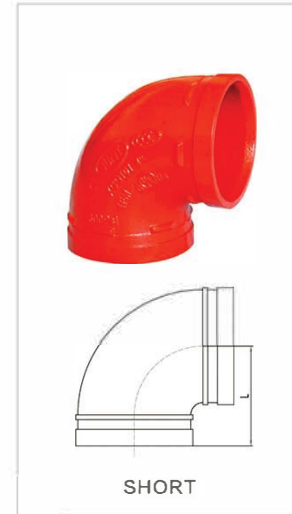
Nominal Size mm/in	Pipe O D mm/in	Working Pressure PSI/Mpa	Bolt Size No.-Size mm	Dimensions mm/in		
				Φ	L	H
25	33.7	300		55.6	98	44
1	1.327	2.07	2-M10*45	2.188	3.858	1.732
32	42.4	300		66	107	44
1 1/4	1.669	2.07	2-M10*45	2.598	4.213	1.732
40	48.3	300		74	115	44
1 1/2	1.9	2.07	2-M10*45	2.913	4.527	1.732
50	60.3	300		88.4	125	46
2	2.374	2.07	2-M10*55	3.480	4.921	1.732
65	73.0	300		102.2	140	46
2 1/2	2.875	2.07	2-M10*55	4.024	5.512	1.772
65	76.1	300		102.2	140	46
2 1/2	3	2.07	2-M10*55	4.024	5.512	1.772
80	88.9	300		117.4	154	46
3	3.5	2.07	2-M10*60	4.622	6.063	1.772
100	108	300		138.8	184	48
4	4.25	2.07	2-M12*65	5.466	7.244	1.889
100	114.3	300		146.6	190	48
4	4.5	2.07	2-M12*65	5.772	7.480	1.889
125	133	300		158	212	48
5	5.25	2.07	2-M12*75	6.220	8.346	1.889
125	139.7	300		171.2	220	48
5	5.5	2.07	2-M12*75	6.740	8.661	1.889
125	141.3	300		171.2	220	48
5	5.56	2.07	2-M12*75	6.740	8.661	1.889
150	159	300		192	240	48
6	6.25	2.07	2-M12*75	7.559	9.448	2.008
150	165.1	300		196.2	244	48
6	6.5	2.07	2-M12*75	7.724	9.606	2.008
150	168.3	300		199.4	246	48
6	6.625	2.07	2-M12*75	7.850	9.685	2.008
200	219.1	232		256.4	326	58
8	8.625	1.6	2-M16*85	10.024	12.835	2.283
250	273	232		316	426	64
10	10.748	1.6	2-M20*100	12.441	16.771	2.520
300	323.9	232		380	470	65
12	12.75	1.6	2-M22*130	14.961	18.504	2.559

## Angle coupling

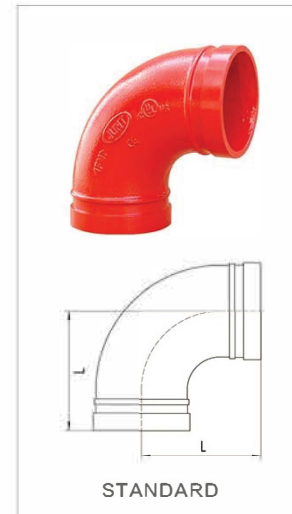


Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/Mpa	Bolt Size No.-Size mm	Dimensions mm/in		
				Φ	L	H
25	33.7	300		55.6	98	44
1	1.327	2.07	2-M10*45	2.188	3.858	1.732
32	42.4	300		66	107	44
1 1/4	1.669	2.07	2-M10*45	2.598	4.213	1.732
40	48.3	300		74	115	44
1 1/2	1.9	2.07	2-M10*45	2.913	4.527	1.732
50	60.3	300		88.4	125	46
2	2.374	2.07	2-M10*55	3.480	4.921	1.732
65	73.0	300		102.2	140	46
2 1/2	2.875	2.07	2-M10*55	4.024	5.512	1.772
65	76.1	300		102.2	140	46
2 1/2	3	2.07	2-M10*55	4.024	5.512	1.772
80	88.9	300		117.4	154	46
3	3.5	2.07	2-M10*60	4.622	6.063	1.772
100	108	300		138.8	184	48
4	4.25	2.07	2-M12*65	5.466	7.244	1.889
100	114.3	300		146.6	190	48
4	4.5	2.07	2-M12*65	5.772	7.480	1.889
125	133	300		158	212	48
5	5.25	2.07	2-M12*75	6.220	8.346	1.889
125	139.7	300		171.2	220	48
5	5.5	2.07	2-M12*75	6.740	8.661	1.889
125	141.3	300		171.2	220	48
5	5.56	2.07	2-M12*75	6.740	8.661	1.889
150	159	300		192	240	48
6	6.25	2.07	2-M12*75	7.559	9.448	2.008
150	165.1	300		196.2	244	48
6	6.5	2.07	2-M12*75	7.724	9.606	2.008
150	168.3	300		199.4	246	48
6	6.625	2.07	2-M12*75	7.850	9.685	2.008
200	219.1	232		256.4	326	58
8	8.625	1.6	2-M16*85	10.024	12.835	2.283
250	273	232		316	426	64
10	10.748	1.6	2-M20*100	12.441	16.771	2.520
300	323.9	232		380	470	65
12	12.75	1.6	2-M22*130	14.961	18.504	2.559

## 90° Elbow · XGQT01



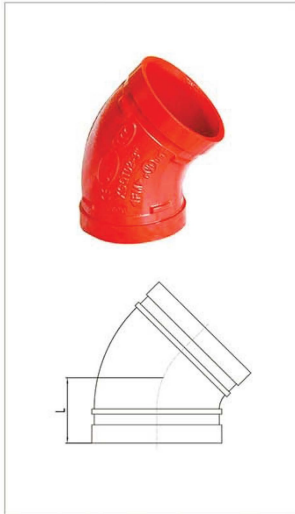
SHORT



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	1.900	2.07	2.362	2.75
50	60.3	300	70	83
2	2.375	2.07	2.756	3.27
65	73.0	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	90	108
3	3.5	2.07	3.543	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	8.465	9.00
300	323.9	300	230	254
12	12.75	2.07	9.055	10.00

### 45° Elbow · XGQT02



Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/Mpa	L mm/in
25	33.7	300	38
1	1.327	2.07	1.496
32	42.4	300	44
1 1/4	1.669	2.07	1.732
40	48.3	300	44
1 1/2	1.900	2.07	1.732
50	60.3	300	51
2	2.375	2.07	2.008
65	73.0	300	57
2 1/2	2.875	2.07	2.244
65	76.1	300	57
2 1/2	3	2.07	2.244
80	88.9	300	64
3	3.5	2.07	2.52
100	108	300	76
4	4.252	2.07	2.992
100	114.3	300	76
4	4.5	2.07	2.992
125	133	300	83
5	5.25	2.07	3.27
125	139.7	300	83
5	5.5	2.07	3.27
125	141.3	300	83
5	5.56	2.07	3.27
150	159	300	89
6	6.25	2.07	3.504
150	165.1	300	89
6	6.5	2.07	3.504
150	168.3	300	89
6	6.625	2.07	3.504
200	219.1	232	108
8	8.625	1.60	4.252
250	273	232	121
10	10.75	1.60	4.764
300	323.9	232	133
12	12.75	1.60	5.236

### 22.5° Elbow · XGQT021



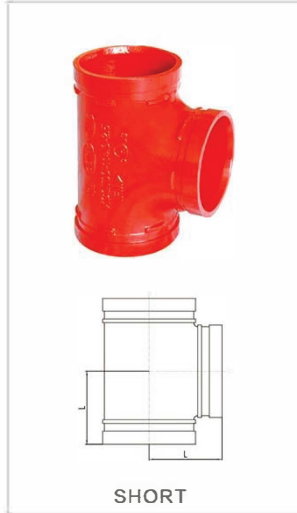
Nominal Size mm/in	Pipe O D mm/in	Working Pressure PSI/Mpa	L mm/in
50	60.3	300	51
2	2.375	2.07	2.007
65	73	300	51
2 1/2	2.875	2.07	2.007
65	76.1	300	51
2 1/2	3	2.07	2.007
80	88.9	300	57
3	3.5	2.07	2.244
100	108	300	73
4	4.252	2.07	2.874
100	114.3	300	73
4	4.5	2.07	2.874
125	133	300	73
5	5.25	2.07	2.874
125	139.7	300	73
5	5.5	2.07	2.874
125	141.3	300	73
5	5.56	2.07	2.874
150	159	300	79
6	6.25	2.07	3.110
150	165.1	300	79
6	6.5	2.07	3.110
150	168.3	300	79
6	6.625	2.07	3.110
200	219.1	232	98
8	8.625	1.60	3.858

### 11.25° Elbow · XGQT022



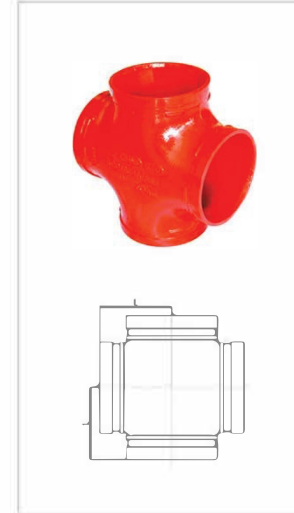
Nominal Size mm/in	Pipe O D mm/in	Working Pressure PSI/Mpa	L mm/in
50	60.3	300	35
2	2.375	2.07	1.378
65	73	300	38
2 1/2	2.875	2.07	1.496
65	76.1	300	38
2 1/2	3	2.07	1.496
80	88.9	300	38
3	3.5	2.07	1.496
100	108	300	44
4	4.252	2.07	1.732
100	114.3	300	48
4	4.5	2.07	1.890
125	133	300	51
5	5.25	2.07	2.008
125	139.7	300	51
5	5.5	2.07	2.008
125	141.3	300	51
5	5.56	2.07	2.008
150	159	300	51
6	6.25	2.07	2.008
150	165.1	300	51
6	6.5	2.07	2.008
150	168.3	300	51
6	6.625	2.07	2.008
200	219.1	232	51
8	8.625	1.60	2.008

## Equal Tee · XGQT03



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	232	175	197
8	8.625	1.60	6.890	7.75
250	273	232	215	229
10	10.75	1.60	8.466	9.00
300	323.9	232	230	254
12	12.75	1.60	9.055	10.00

## Equal Cross · XGQT05



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	232	175
8	8.625	1.60	6.890
250	273	232	215
10	10.75	1.60	8.466
300	323.9	232	230
12	12.75	1.60	9.055

## Reducing Tee (Grooved) · XGQT04



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	70 2.756
50x32 2x1 1/4	60.3x42.4 2.375x1.669	300 2.07	70 2.756
50x40 2x1 1/2	60.3x48.3 2.375x1.902	300 2.07	70 2.756
65x25 2 1/2x1	73.0x33.7 2.875x1.327	300 2.07	76 2.992
65x32 2 1/2x1 1/4	73.0x42.4 2.875x1.669	300 2.07	76 2.992
65x40 2 1/2x1 1/2	73.0x48.3 2.875x1.902	300 2.07	76 2.992
65x50 2 1/2x2	73.0x60.3 2.875x2.375	300 2.07	76 2.992
65x25 2 1/2x1	76.1x33.7 2.996x1.327	300 2.07	76 2.992
65x32 2 1/2x1 1/4	76.1x42.4 2.996x1.669	300 2.07	76 2.992
65x40 2 1/2x1 1/2	76.1x48.3 2.996x1.902	300 2.07	76 2.992
65x50 2 1/2x2	76.1x60.3 2.996x2.375	300 2.07	76 2.992
80x25 3x1	88.9x33.7 3.5x1.327	300 2.07	86 3.386
80x32 3x1 1/4	88.9x42.4 3.5x1.669	300 2.07	86 3.386
80x40 3x1 1/2	88.9x48.3 3.5x1.902	300 2.07	86 3.386
80x50 3x2	88.9x60.3 3.5x2.375	300 2.07	86 3.386
80x65 3x2 1/2	88.9x76.1 3.5x2.996	300 2.07	86 3.386
100x25 4x1	108x33.7 4.3x1.327	300 2.07	102 4.016
100x32 4x1 1/4	108x42.4 4.3x1.669	300 2.07	102 4.016
100x40 4x1 1/2	108x48.3 4.3x1.902	300 2.07	102 4.016
100x50 4x2	108x60.3 4.3x2.375	300 2.07	102 4.016
100x65 4x2 1/2	108x76.1 4.3x2.996	300 2.07	102 4.016
100x80 4x3	108x88.9 4.3x3.5	300 2.07	102 4.016
100x25 4x1	114.3x33.7 4.5x1.327	300 2.073	102 4.016
100x32 4x1 1/4	114.3x42.4 4.5x1.669	300 2.073	102 4.016

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

## Reducing Tee (Grooved) · XGQT04



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

Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/Mpa	L mm/in
200x65 8x2 1/2	219.1x76.1 8.622x2.996	300 2.07	175 6.89
200x80 8x3	219.1x88.9 8.622x3.5	232 1.6	175 6.89
200x80 8x4	219.1x108 8.622x4.252	232 1.6	175 6.89
200x100 8x4	219.1x114.3 8.622x4.5	232 1.6	175 6.89
200x125 8x6	219.1x133 8.622x5.236	232 1.6	175 6.89
200x125 8x6	219.1x139.7 8.622x5.5	232 1.6	175 6.89
200x150 8x6	219.1x159 8.622x6.26	232 1.6	175 6.89
200x150 8x6	219.1x165.1 8.622x6.626	232 1.6	175 6.89
200x125 8x6	219.1x168.3 8.622x6.5	232 1.6	176 6.89
250x80 10x3	273x88.9 10.748x3.5	232 1.6	215 6.465
250x100 10x4	273x114.3 10.748x4.5	232 1.6	215 6.465
250x125 10x6	273x133 10.748x5.236	232 1.6	215 6.465
250x125 10x6	273x139.7 10.748x5.5	232 1.6	215 8.465
250x150 10x6	273x159 10.748x6.26	232 1.6	215 8.465
250x150 10x6	273x165.1 10.748x6.5	232 1.6	215 6.465
250x150 10x6	273x168.3 10.748x6.626	232 1.6	215 8.465
250x200 10x8	273x219.1 10.748x8.626	232 1.6	215 8.465
300x100 12x4	323.9x114.3 12.75x4.5	232 1.6	230 9.055
300x125 12x6	323.9x139.7 12.75x5.5	232 1.6	230 9.055
300x125 12x6	323.9x141.3 12.75x5.6	232 1.6	230 9.055

## Reducing Tee (Threaded) · XGQT04S



Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/Mpa	L mm/in	Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/Mpa	L mm/in
50x25	60.3x33.7	300	70	100x40	114.3x48.3	300	102
2x1	2.375x1.327	2.07	2.756	4x1 1/2	4.5x1.902	2.07	4.016
50x32	60.3x42.4	300	70	100x50	114.3x60.3	300	102
2x1 1/4	2.375x1.669	2.07	2.756	4x2	4.5x2.374	2.07	4.016
50x40	60.3x48.3	300	70	100x65	114.3x76.1	300	102
2x1 1/2	2.375x1.902	2.07	2.756	4x2 1/2	4.5x2.669	2.07	4.016
65x25	73.0x33.7	300	76	100x80	114.3x88.9	300	102
2 1/2x1	2.875x1.327	2.07	2.992	4x3	4.5x3.5	2.07	4.016
65x32	73.0x42.4	300	76	150x25	165.1x33.7	300	140
2 1/2x1 1/4	2.875x1.669	2.07	2.992	6x1	6.5x1.327	2.07	5.512
65x40	73.0x48.3	300	76	150x32	165.1x42.4	300	140
2 1/2x1 1/2	2.875x1.902	2.07	2.992	6x1 1/4	6.5x1.669	2.07	5.512
65x50	73.0x60.3	300	76	150x40	165.1x48.3	300	140
2 1/2x2	2.875x2.374	2.07	2.992	6x1 1/2	6.5x1.902	2.07	5.512
65x25	76.1x33.7	300	76	150x50	165.1x60.3	300	140
2 1/2x1	2.996x1.327	2.07	2.992	6x2	6.5x2.375	2.07	5.512
65x32	76.1x42.4	300	76	150x65	165.1x76.1	300	140
2 1/2x1 1/4	2.996x1.669	2.07	2.992	6x2 1/2	6.5x2.996	2.07	5.512
65x40	76.1x48.3	300	76	150x65	168.3x76.1	300	140
2 1/2x1 1/2	2.996x1.902	2.07	2.992	6x2 1/2	6.626x2.996	2.07	5.512
65x50	76.1x60.3	300	76	150x80	168.3x88.9	300	140
2 1/2x2	2.996x2.374	2.07	2.992	6x3	6.626x3.5	2.07	5.512
80x50	88.9x33.7	300	86	150x100	168.3x114.3	300	140
3x1	3.5x1.327	2.07	3.386	6x4	6.626x4.5	2.07	5.512
80x32	88.9x42.4	300	86	200x50	219.1x60.3	300	175
3x1 1/4	3.5x1.669	2.07	3.386	8x2	8.622x2.375	2.07	6.89
80x40	88.9x48.3	300	86	200x65	219.1x76.1	300	175
3x1 1/2	3.5x1.902	2.07	3.386	8x2 1/2	8.622x2.996	2.07	6.89
80x50	88.9x60.3	300	86	200x80	219.1x88.9	232	175
3x2	3.5x2.374	2.07	3.386	8x3	8.622x3.5	1.6	6.89
100x25	114.3x33.7	300	102	200x100	219.1x114.3	232	175
4x1	4.5x1.327	2.07	4.016	8x4	8.622x4.5	1.6	6.89
100x32	114.3x42.4	300	102	200x125	219.1x168.3	323	176
4x1 1/4	4.5x1.669	2.07	4.016	8x6	8.622x6.5	1.6	6.89

## Reducing Cross (Grooved) · XGQT051



Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/Mpa	L mm/in	Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/Mpa	L mm/in
50x40	60.3x48.3	300	70	100x40	114.3x48.3	300	102
2x1 1/2	2.375x1.902	2.07	2.756	4x1 1/2	4.5x1.902	2.073	4.016
65x25	76.1x33.7	300	70	100x50	114.3x60.3	300	102
2 1/2x1	2.996x1.327	2.07	2.756	4x2	4.5x2.375	2.073	4.016
65x32	76.1x42.4	300	70	100x65	114.3x76.1	300	102
2 1/2x1 1/4	2.996x1.669	2.07	2.756	4x2 1/2	4.5x2.996	2.073	4.016
65x40	76.1x48.3	300	70	100x80	114.3x88.9	300	102
2 1/2x1 1/2	2.996x1.902	2.07	2.756	4x3	4.5x3.5	2.073	4.016
65x50	76.1x60.3	300	70	125x25	139.7x33.7	300	122
2 1/2x2	2.996x2.375	2.07	2.756	5x1	5.5x1.327	2.073	4.803
80x25	88.9x33.7	300	86	125x32	139.7x42.4	300	122
3x1	3.5x1.327	2.07	3.386	5x1 1/4	5.5x1.669	2.073	4.803
80x32	88.9x42.4	300	86	125x40	139.7x48.3	300	122
3x1 1/4	3.5x1.669	2.07	3.386	5x1 1/2	5.5x1.902	2.073	4.803
80x40	88.9x48.3	300	86	125x50	139.7x60.3	300	122
3x1 1/2	3.5x1.902	2.07	3.386	5x2	5.5x2.375	2.07	4.803
80x50	88.9x60.3	300	86	125x65	139.7x76.1	300	122
3x2	3.5x2.375	2.07	3.386	5x2 1/2	5.5x2.996	2.07	4.803
80x65	88.9x76.1	300	86	125x80	139.7x88.9	300	122
3x2 1/2	3.5x2.996	2.07	3.386	5x3	5.5x3.5	2.07	4.803
100x25	108x33.7	300	102	125x100	139.7x114.3	300	122
4x1	4.3x1.327	2.07	4.016	5x4	5.5x4.5	2.07	4.803
100x32	108x42.4	300	102	150x25	159x33.7	300	140
4x1 1/4	4.3x1.669	2.07	4.016	6x1	6.26x1.327	2.07	5.512
100x40	108x48.3	300	102	150x32	159x42.4	300	140
4x1 1/2	4.3x1.902	2.07	4.016	6x1 1/4	6.26x1.669	2.07	5.512
100x50	108x60.3	300	102	150x40	159x48.3	300	140
4x2	4.3x2.375	2.07	4.016	6x1 1/2	6.26x1.902	2.07	5.512
100x65	108x76.1	300	102	150x50	159x60.3	300	140
4x2 1/2	4.3x2.996	2.07	4.016	6x2	6.26x2.375	2.07	5.512
100x80	108x88.9	300	102	150x65	159x76.1	300	140
4x3	4.3x3.5	2.07	4.016	6x2 1/2	6.26x2.996	2.07	5.512
100x25	114.3x33.7	300	102	150x80	159x88.9	300	140
4x1	4.5x1.327	2.073	4.016	150x100	159x108	300	140
100x32	114.3x42.4	300	102	150x100	159x108	300	140
4x1 1/4	4.5x1.669	2.073	4.016	6x4	6.26x4.25	2.07	5.512

## Reducing Cross (Grooved) · XGQT051



Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/Mpa	L mm/in	Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/Mpa	L mm/in
150x100 6x4	159x114.3 6.26x4.5	300 2.07	140 5.512	200x50 8x2	219x60.3 8.622x2.375	232 1.6	175 6.89
150x25 6x1	165.1x33.7 6.5x1.327	300 2.07	140 5.512	200x65 8x2 1/2	219x76.1 8.622x2.996	232 1.6	175 6.89
150x32 6x1 1/4	165.1x42.4 6.5x1.669	300 2.07	140 5.512	200x80 8x3	219x88.9 8.622x3.5	232 1.6	175 6.89
150x40 6x1 1/2	165.1x48.3 6.5x1.902	300 2.07	140 5.512	200x100 8x4	219x108 8.622x4.252	232 1.6	175 6.89
150x50 6x2	165.1x60.3 6.5x2.375	300 2.07	140 5.512	200x100 8x4	219x114.3 8.622x4.5	232 1.6	175 6.89
150x65 6x2 1/2	165.1x76.1 6.5x2.996	300 2.07	140 5.512	200x125 8x5	219x133 8.622x5.236	232 1.6	175 6.89
150x80 6x3	165.1x88.9 6.5x3.5	300 2.07	140 5.512	200x125 8x5	219x139.7 8.622x5.5	232 1.6	175 6.89
150x100 6x4	165.1x108 6.5x4.25	300 2.07	140 5.512	200x150 8x6	219x159 8.622x6.26	232 1.6	175 6.89
150x100 6x4	165.1x114.3 6.5x4.5	300 2.07	140 5.512	200x150 8x6	219x168.3 8.622x6.626	232 1.6	175 6.89
150x125 6x5	165.1x139.7 6.5	300 2.07	140 5.512	200x150 8x6	219x165.1 8.622x6.5	232 1.6	176 6.89
150x25 6x1	168.3x33.7 6.626x1.327	300 2.07	140 5.512	250x80 10x3	273x88.9 10.748x3.5	232 1.6	215 8.465
150x32 6x1 1/4	168.3x42.4 6.626x1.669	300 2.07	140 5.512	250x100 10x4	273x114.3 10.748x4.5	232 1.6	215 8.465
150x40 6x1 1/2	168.3x48.3 6.626x1.902	300 2.07	140 5.512	250x125 10x5	273x133 10.748x5.236	232 1.6	215 8.465
150x50 6x2	168.3x60.3 6.626x2.375	300 2.07	140 5.512	250x125 10x5	273x139.7 10.748x5.5	232 1.6	215 8.465
150x65 6x2 1/2	168.3x76.1 6.626x2.996	300 2.07	140 5.512	250x150 10x6	273x159 10.748x6.26	232 1.6	215 8.465
150x80 6x3	168.3x88.9 6.626x3.5	300 2.07	140 5.512	250x150 10x6	273x168.3 10.748x6.626	232 1.6	215 8.465
150x100 6x4	168.3x114.3 6.626x4.5	300 2.07	140 5.512	250x150 10x6	273x165.1 10.748x6.5	232 1.6	215 8.465
150x125 6x5	168.3x139.7 6.626x5.5	300 2.07	140 5.512	250x200 10x8	273x219.1 10.748x8.626	232 1.6	215 8.465

## Reducing Cross (Threaded) · XGQT051S



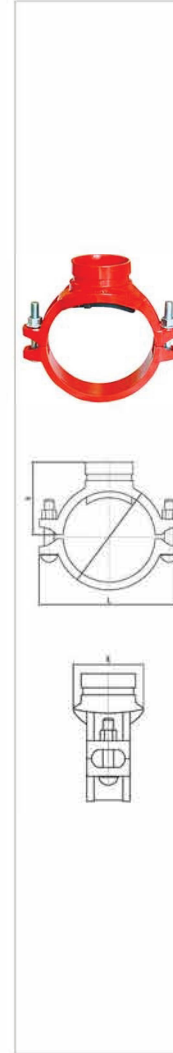
Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/Mpa	L mm/in	Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/Mpa	L mm/in
50x25 2x1	60.3x33.7 2.375x1.327	300 2.07	70 2.756	100x50 4x2	108x60.3 4.25x2.375	300 2.07	102 4.016
50x32 2x1 1/4	60.3x42.4 2.375x1.669	300 2.07	70 2.756	100x65 4x2 1/2	108x76.1 4.25x2.996	300 2.07	102 4.016
50x40 2x1 1/2	60.3x48.3 2.375x1.902	300 2.07	70 2.756	100x80 4x3	108x88.9 4.25x3.5	300 2.07	102 4.016
65x25 2 1/2x1	76.1x33.7 2.996x1.327	300 2.07	76 2.992	100x25 4x1	114.3x33.7 4.5x1.327	300 2.07	102 4.016
65x32 2 1/2x1 1/4	76.1x42.4 2.996x1.669	300 2.07	76 2.992	100x32 4x1 1/4	114.3x42.4 4.5x1.669	300 2.07	102 4.016
65x40 2 1/2x1 1/2	76.1x48.3 2.996x1.902	300 2.07	76 2.992	100x40 4x1 1/2	114.3x48.3 4.5x1.902	300 2.07	102 4.016
65x50 2 1/2x2	76.1x60.3 2.996x2.374	300 2.07	76 2.992	100x50 4x2	114.3x60.3 4.5x2.374	300 2.07	102 4.016
80x25 3x1	88.9x33.7 3.5x1.327	300 2.07	86 3.386	100x65 4x2 1/2	114.3x76.1 4.5x2.669	300 2.07	102 4.016
80x32 3x1 1/4	88.9x42.4 3.5x1.669	300 2.07	86 3.386	100x80 4x3	114.3x88.9 4.5x3.5	300 2.07	102 4.016
80x40 3x1 1/2	88.9x48.3 3.5x1.902	300 2.07	86 3.386	125x25 5x1	133x33.7 5.236x1.327	300 2.07	122 4.803
80x50 3x2	88.9x60.3 3.5x2.374	300 2.07	86 3.386	125x32 5x1 1/4	133x42.4 5.236x1.669	300 2.07	122 4.803
80x65 3x2 1/2	88.9x76.1 3.5x2.669	300 2.07	86 3.386	125x40 5x1 1/2	133x48.3 5.236x1.902	300 2.07	122 4.803
100x25 4x1	108x33.7 4.25x1.327	300 2.07	102 4.016	125x50 5x2	133x60.3 5.236x2.374	300 2.07	122 4.803
100x32 4x1 1/4	108x42.4 4.25x1.669	300 2.07	102 4.016	125x65 5x2 1/2	133x76.1 5.236x2.996	300 2.07	122 4.803
100x40 4x1 1/2	108x48.3 4.25x1.902	300 2.07	102 4.016	125x80 5x3	133x88.9 5.236x3.5	300 2.07	122 4.803

## Reducing Cross (Threaded) · XGQT051S




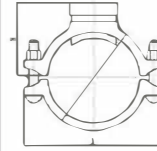
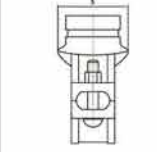
Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/Mpa	L mm/in	Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/Mpa	L mm/in
125x25	139.7x33.7	300	122	150x50	165.1x60.3	300	140
5x1	5.5x1.327	2.07	4.803	6x2	6.5x2.374	2.07	5.512
125x32	139.7x42.4	300	122	150x65	165.1x76.1	300	140
5x1 1/4	5.5x1.669	2.07	4.803	6x2 1/2	6.5x2.996	2.07	5.512
125x40	139.7x48.3	300	122	150x80	165.1x88.9	300	140
5x1 1/2	5.5x1.902	2.07	4.803	6x3	6.5x3.5	2.07	5.512
125x50	139.7x60.3	300	122	150x100	165.1x114.3	300	140
5x2	5.5x2.374	2.07	4.803	6x4	6.5x4.5	2.07	5.512
125x65	139.7x76.1	300	122	150x25	168.3x33.7	300	140
5x2 1/2	5.5x2.996	2.07	4.803	6x1	6.626x1.327	2.07	5.512
125x80	139.7x88.9	300	122	150x32	168.3x42.4	300	140
5x3	5.5x3.5	2.07	4.803	6x1 1/4	6.626x1.669	2.07	5.512
150x25	159x33.7	300	140	150x40	168.3x48.3	300	140
6x1	6.26x1.327	2.07	5.512	6x1 1/2	6.626x1.902	2.07	5.512
150x32	159x42.4	300	140	150x50	168.3x60.3	300	140
6x1 1/4	6.26x1.669	2.07	5.512	6x2	6.626x2.375	2.07	5.512
150x40	159x48.3	300	140	150x65	168.3x76.1	300	140
6x1 1/2	6.26x1.902	2.07	5.512	6x2 1/2	6.626x2.996	2.07	5.512
150x50	159x60.3	300	140	150x80	168.3x88.9	300	140
6x2	6.26x2.374	2.07	5.512	6x3	6.626x3.5	2.07	5.512
150x65	159x76.1	300	140	150x100	168.3x114.3	300	140
6x2 1/2	6.26x2.996	2.07	5.512	6x4	6.626x4.5	2.07	5.512
150x80	159x88.9	300	140	200x50	219x60.3	232	175
6x3	6.26x3.5	2.07	5.512	8x2	8.622x2.375	1.6	6.890
150x25	165.1x33.7	300	140	200x65	219x76.1	232	175
6x1	6.5x1.327	2.07	5.512	8x2 1/2	8.622x2.996	1.6	6.890
150x32	165.1x42.4	300	140	200x80	219x88.9	232	175
6x1 1/2	6.5x1.669	2.07	5.512	5x3	8.622x3.5	1.6	6.890
150x40	165.1x48.3	300	140	200x100	219x114.3	232	175
6x1 1/2	6.5x1.902	2.07	5.512	8x4	8.622x4.5	1.6	6.890

## Mechanical Tee (Grooved) · XGQT3




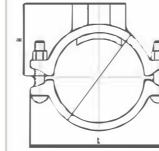
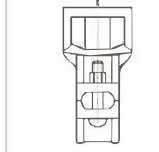
Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/Mpa	Bolt Size No.-Size mm	Dimensions mm/in				Hole Dia mm/in +1.6,0/+0.063,0
				Φ	L	K	H	
50x25	60.3x33.7	300	2-M10x60	81	116	64.5	64	38
2 1/2x1	2.375x1.327	2.07		3.189	4.567	2.539	2.520	1.496
50x32	60.3x42.4	300		81	116	64.5	68	46
2x1 1/4	2.375x1.699	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	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	6.929	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	

## Mechanical Tee (Grooved) · XGQT3

Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/Mpa	Bolt Size No. - Size mm	Dimensions mm/in				Hole Dia mm/in +1.6,0/+0.063,0	
				φ	L	K	H		
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	3.385	
150x25	165.1x33.7	300		2-M16x100	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	3.385	
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	2-M16x100		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	6.62x1.669	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	6.62x1.90	2.07		7.559	8.976	4.724	3.268	2.007	
150x60	168.3x60.3	300		192	228	120	92	61	
6x2	6.62x2.375	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	6.62x2.996	2.07		7.559	8.976	4.724	4.409	3.228	
150x80	168.3x88.9	300		192	228	120	118	86	
6x3	6.62x3.50	2.07		7.559	8.976	4.724	4.646	3.385	
150x100	168.3x114.3	300		192	228	120	147	114	
6x4	6.62x4.50	2.07		7.559	8.976	4.724	5.787	4.488	
200x25	219.1x33.7	232		2-M16x100	247	304	149.5	72	38
8x1	8.625x1.327	1.60			9.724	11.969	5.886	2.835	1.496
200x32	219.1x42.4	232			247	304	149.5	79	46
8x1 1/4	8.625x1.669	1.60			9.724	11.969	5.886	3.110	1.811
200x40	219.1x48.3	232	247		304	149.5	85	51	
8x1 1/2	8.625x1.90	1.60	9.724		11.969	5.886	3.212	2.008	
200x50	219.1x60.3	232	247		304	149.5	94	61	
8x2	8.625x2.375	1.60	9.724		11.969	5.886	3.701	2.401	
200x65	219.1x76.1	232	247		304	149.5	114	81	
8x2 1/2	8.625x2.996	1.60	9.724		11.969	5.886	4.488	3.228	
200x80	219.1x88.9	232	247		304	149.5	120	86	
8x3	8.625x3.50	1.60	9.724		11.969	5.886	4.724	3.385	
200x100	219.1x108	232	247		304	149.5	149	114	
8x4	8.625x4.252	1.60	9.724		11.969	5.886	5.866	4.488	
200x100	219.1x114.3	232	247		304	149.5	149	114	
8x4	8.625x4.50	1.60	9.724		11.969	5.886	5.866	4.488	

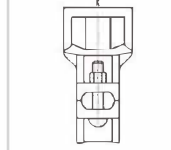
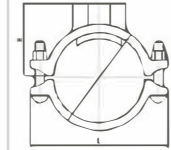
## Mechanical Tee (Threaded) · XGQT3S

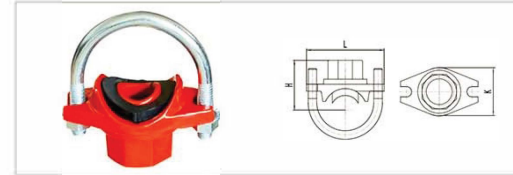
Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/Mpa	Bolt Size No. - Size mm	Dimensions mm/in				Hole Dia mm/in +1.6,0/+0.063,0
				φ	L	K	H	
50x25	60.3x33.7	300	2-M10x60	81	116	55	62	38
2x1	2.375x1.327	2.07		3.189	4.567	2.165	2.441	1.496
50x32	60.3x42.4	300		81	116	55	68	46
2x1 1/4	2.375x1.699	2.07		3.189	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 x 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 1/2x1 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	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	

## Mechanical Tee (Threaded) · XGQT3S

Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/Mpa	Bolt Size No. - Size mm	Dimensions mm/in				Hole Dia mm/in +1.6,0/+0.063,0
				φ	L	K	H	
125x25	141.3x33.7	300	2-M12x7.5	164	206	98	70	38
5x1	5.56x1.327	2.07		6.457	8.110	3.858	2.756	1.496
125x25	141.3x33.7	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		189	226	113	70	38
6x1	6.500x1.327	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	6.500x1.90	2.07		7.441	8.898	4.449	3.268	2.008
150x50	165.1x60.3	300		189	226	113	92	61
6x2	6.500x2.375	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	6.500x2.996	2.07		7.441	8.898	4.449	4.409	3.189
150x80	165.1x88.9	300		189	226	113	118	86
6x3	6.500x3.50	2.07		7.441	8.898	4.449	4.646	3.386
150x100	165.1x114.3	300		189	226	113	149	114
6x4	6.500x4.50	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	232	247	304	142	72	38	
8x1	8.625x1.327	1.60	9.724	11.969	5.591	2.835	1.811	
200x32	219.1x42.4	232	247	304	142	79	46	
8x1 1/4	8.625x1.669	1.60	9.724	11.969	5.591	3.110	1.811	
200x40	219.1x48.3	232	247	304	142	85	51	
8x1 1/2	8.625x1.90	1.60	9.724	11.969	5.591	3.346	2.008	
200x50	219.1x60.3	232	247	304	142	94	61	
8x2	8.625x2.375	1.60	9.724	11.969	5.591	3.701	2.402	
200x65	219.1x76.1	232	247	304	142	114	81	
8x2 1/2	8.625x2.996	1.60	9.724	11.969	5.591	4.488	3.189	
200x80	219.1x88.9	232	247	304	142	120	86	
8x3	8.625x3.50	1.60	9.724	11.969	5.591	4.724	3.386	
200x100	219.1x114.3	232	247	304	142	149	114	
8x4	8.625x4.50	1.60	9.724	11.969	5.591	5.866	4.488	



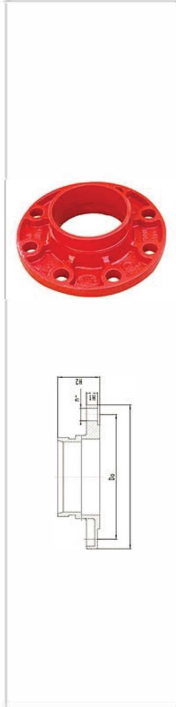
## U-Bolted Mechanical Tee(Threaded) · XGQT3U



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

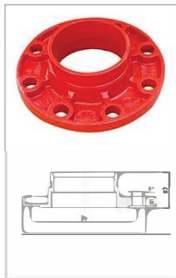
Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/Mpa	Bolt Size No. - Size mm	Dimensions mm/in			Hole cutting dimensions mm/in +1.6,0/+0.063,0
				H	L	K	
25x15	33.7x21.3	300	M8x25	43.5	74	44	26
1x 1/2	1.327x0.839	2.07		1.713	2.913	1.732	1.024
25x20	33.7x26.9	300	M8x25	47.5	74	44	26
1x3/4	1.327x1.059	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

## Flange Adaptor PN16 · XGQT08



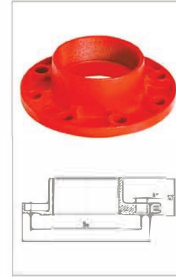
Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/Mpa	Dimensions mm/in				Bolt/Nut NO.-Size mm
			Do	H1	H2	φ	
50	60.3	232	125	16	60	160	4xM16
2	2.374	1.60	4.921	0.630	2.362	6.299	
65	73.0	232	145	16	60	180	4xM16
2 1/2	2.875	1.60	5.709	0.630	2.362	7.087	
65	76.1	232	145	16	60	180	4xM16
2 1/2	3	1.60	5.709	0.630	2.362	7.087	
80	88.9	232	160	17	60	195	8xM16
3	3.5	1.60	6.299	0.669	2.362	7.677	
100	108	232	180	17	60	215	8xM16
4	4.25	1.60	7.087	0.669	2.362	8.465	
100	114.3	232	180	17	60	215	8xM16
4	4.5	1.60	7.087	0.669	2.362	8.465	
125	133	232	210	19	65	245	8xM16
5	5.25	1.60	8.268	0.748	2.559	9.646	
125	139.7	232	210	19	65	245	8xM16
5	5.5	1.60	8.268	0.748	2.559	9.646	
125	141.3	232	210	19	65	245	8xM16
5	5.56	1.60	8.268	0.748	2.559	9.646	
150	159	232	240	20	65	280	8xM20
6	6.25	1.60	9.449	0.787	2.559	11.024	
150	165.1	232	240	20	65	280	8xM20
6	6.5	1.60	9.449	0.787	2.559	11.024	
150	168.3	232	240	20	65	280	8xM20
6	6.625	1.60	9.449	0.787	2.559	11.024	
200	219.1	232	295	20	75	330	12xM20
8	8.625	1.60	11.614	0.787	2.952	12.992	
250	273	232	295	25	85	400	12xM20
10	10.748	1.60	11.614	0.984	3.346	15.748	
300	323.9	232	410	25	90	460	12xM24
12	12.752	1.60	16.142	0.987	3.543	18.110	

## Adaptor Flange PN25



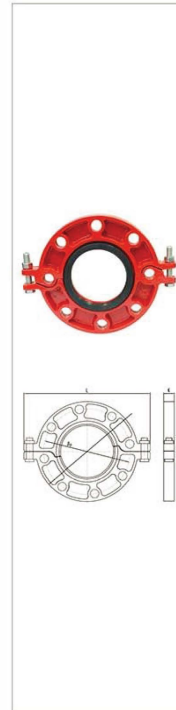
Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/Mpa	Dimensions mm/in				Bolt/Nut NO.-Size mm
			Do	H1	H2	φ	
100	108.0	362	190	18	70	230	8XM20
108.0	4.250	2.5	7.48	0.71	2.756	9.05	
100	114.3	362	190	16	70	235	8XM20
4	4.500	2.5	7.48	0.63	2.756	9.25	
150	159.0	362	250	20	70	300	8XM20
159.0	6.250	2.5	9.85	0.79	2.756	11.80	
150	165.1	362	250	18	70	300	8XM20
165.1	6.500	2.5	9.84	0.71	2.756	11.80	
200	219.1	362	310	19	80	360	8XM20
8	8.625	2.5	12.20	0.75	3.150	14.17	

## Flange Adaptor (Threaded) · XGQT08S



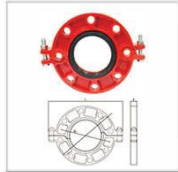
Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/Mpa	Dimensions mm/in				Bolt/Nut NO.-Size mm
			Do	H1	H2	φ	
50	60.3	300	125	16	30	160	4xM16
2	2.374	2.07	4.921	0.630	1.181	6.299	
65	76.1	300	145	16	30	180	4xM16
2 1/2	3	2.07	5.709	0.630	1.181	7.087	
80	88.9	300	160	17	30	195	8xM16
3	3.5	2.07	6.299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

## Grooved Flange PN16 · XGQT18



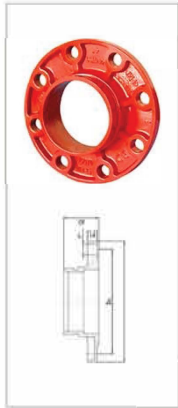
Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/Mpa	Dimensions mm/in				Bolt/Nut NO.-Size mm
			Do	L	K	φ	
50	60.3	232	125	220	22	160	4xM16
2	2.374	1.60	4.921	8.661	0.866	6.299	
65	73.0	232	145	225	22	180	4xM16
2 1/2	2.875	1.60	5.709	8.858	0.866	7.087	
65	76.1	232	145	225	22	180	4xM16
2 1/2	3	1.60	5.709	8.858	0.866	7.087	
80	88.9	232	160	253	22	195	8xM16
3	3.5	1.60	6.299	9.961	0.866	7.677	
100	108	232	180	262	22	215	8xM16
4	4.25	1.60	7.087	10.315	0.866	8.465	
100	114.3	232	180	262	22	215	8xM16
4	4.5	1.60	7.087	10.315	0.866	8.465	
125	133	232	210	292	22	245	8xM16
5	5.25	1.60	8.268	10.315	0.866	9.646	
125	139.7	232	210	292	22	245	8xM16
5	5.5	1.60	8.268	10.315	0.866	9.646	
125	141.3	232	210	292	22	245	8xM16
5	5.56	1.60	8.268	10.315	0.866	9.646	
150	159	232	240	340	22	280	8xM20
6	6	1.60	9.449	13.386	0.866	11.024	
150	165.1	232	240	340	22	280	8xM20
6	6.5	1.60	9.449	13.386	0.866	11.024	
150	168.3	232	240	340	22	280	8xM20
6	6.625	1.60	9.449	13.386	0.866	11.024	
200	219.1	232	295	408	25	330	12xM20
8	8.625	1.60	11.614	16.063	0.984	12.992	

## Grooved Flange PN25



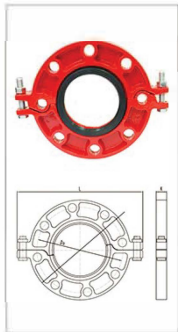
Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/Mpa	Dimensions mm/in				Bolt/Nut	
			Do	L	K	φ	NO.-Size mm	
100	108.0	362	180	280	25.5	220	2-M12x55	8XM16
108.0	4.250	2.5	7.09	11.02	1.00	8.66		
150	165.1	362	240	346	25.5	280	2-M12x65	8XM20
165.1	6.500	2.5	9.45	13.62	1.00	11.00		

## Flange Adaptor ANSI-Class 125/150 · XGQT18



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 · XGQT19



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		

## Concentric Reducer (Grooved) · XGQT07



Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/Mpa	L mm/in	Nominal Size		Working Pressure PSI/Mpa	L mm/in
				mm/in	mm/in		
50x25	60.3x33.7	300	60	100x80	108x88.9	300	76
2x1	2.375x1.327	2.07	2.362	4x3	4.252x3.5	2.07	2.99
50x32	60.3x42.4	300	64	100x50	114.3x60.3	300	76
2x1 1/4	2.375x1.669	2.07	2.62	4x2	1.5x2.374	2.07	2.99
50x40	60.3x48.3	300	64	100x65	114.3x76.1	300	76
2x1 1/2	2.375x1.902	2.07	2.62	4x2 1/2	4.5x2.996	2.07	2.99
65x25	73.0x33.7	300	64	100x80	114.3x88.9	300	76
2 1/2x1	2.875x1.327	2.07	2.62	4x3	1.5x3.5	2.07	2.99
65x32	73.0x42.4	300	64	125x25	133x33.7	300	102
2 1/2x1 1/4	2.875x1.669	2.07	2.62	5x1	5.236x1.327	2.07	4.02
65x40	73.0x48.3	300	64	125x50	133x60.3	300	102
2 1/2x1 1/2	2.875x1.902	2.07	2.62	5x2	5.236x2.374	2.07	4.016
65x50	73.0x60.3	300	64	125x65	133x76.1	300	102
2 1/2x2	2.875x2.375	2.07	2.62	5x2 1/2	5.236x2.996	2.07	4.016
65x25	76.1x33.7	300	64	125x80	133x88.9	300	102
2 1/2x1	2.996x1.327	2.07	2.62	5x3	5.236x3.5	2.07	4.016
65x32	76.1x42.4	300	64	125x100	133x108	300	102
2 1/2x1 1/4	2.996x1.669	2.07	2.62	5x4	5.236x4.252	2.07	4.016
65x40	76.1x48.3	300	64	125x100	133x114.3	300	102
2 1/2x1 1/2	2.996x1.902	2.07	2.62	5x4	5.236x4.5	2.07	4.016
65x50	76.1x60.3	300	64	125x50	139.7x60.3	300	102
2 1/2x2	2.996x2.375	2.07	2.62	5x2	5.5x2.374	2.07	4.016
80x25	88.9x33.7	300	64	125x65	139.7x76.1	300	102
3x1	3.5x1.327	2.07	2.62	5x2 1/2	5.5x2.996	2.07	4.016
80x32	88.9x42.4	300	64	125x80	139.7x88.9	300	102
3x1 1/4	3.5x1.669	2.07	2.62	5x3	5.5x3.5	2.07	4.016
80x40	88.9x48.3	300	64	125x100	139.7x88.9	300	102
3x1 1/2	3.5x1.902	2.07	2.62	5x4	5.5x3.5	2.07	4.016
80x50	88.9x60.3	300	64	125x100	139.7x108	300	102
3x2	3.5x2.374	2.07	2.52	5x4	5.5x4.252	2.07	4.016
80x65	88.9x76.1	300	64	125x100	139.7x114.3	300	102
3x2 1/2	3.5x2.996	2.07	2.52	5x4	5.5x4.5	2.07	4.016
100x50	108x60.3	300	76	125x50	141.3x60.3	300	102
4x2	4.252x2.374	2.07	2.99	5x2	5.56x2.374	2.07	4.016
100x65	108x76.1	300	76	125x65	141.3x76.1	300	102
4x2 1/2	4.252x2.996	2.07	2.99	5x2 1/2	5.56x2.996	2.07	4.016

### Concentric Reducer (Grooved) · XGQT07



Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/Mpa	L mm/in	Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/Mpa	L mm/in
125x100 5x4	141.3x108 5.56x4.252	300 2.07	102 4.016	150x100 6x4	168.3x108 6.614x4.252	300 2.07	102 4.016
125x100 5x4	141.3x114.3 5.56x4.5	300 2.07	102 4.016	150x100 6x4	168.3x114.3 6.614x4.5	300 2.07	102 4.016
150x50 6x2	159x60.3 6.26x2.374	300 2.07	102 4.016	150x125 6x5	168.3x133 6.614x5.236	300 2.07	102 4.016
150x65 6x2 1/2	159x76.1 6.26x2.996	300 2.07	102 4.016	150x125 6x5	168.3x139.7 6.614x5.5	300 2.07	102 4.016
150x80 6x3	159x88.9 6.26x3.5	300 2.07	102 4.016	200x50 8x2	219.1x60.3 8.626x2.374	232 1.6	127 5
150x100 6x4	159x108 6.26x4.252	300 2.07	102 4.02	200x65 8x2 1/2	219.1x76.1 8.626x2.996	232 1.6	127 5
150x100 6x4	159x114.3 6.26x4.5	300 2.07	102 4.02	200x80 8x3	219.1x88.9 8.626x3.5	232 1.6	127 5
150x125 6x5	159x133 6.26x5.236	300 2.07	102 4.02	200x100 8x4	219.1x108 8.626x4.252	232 1.6	127 5
150x125 6x5	159x139.7 6.26x5.5	300 2.07	102 4.02	200x100 8x4	219.1x114.3 8.626x4.5	232 1.6	127 5
150x50 6x2	165.1x60.3 6.5x2.374	300 2.07	102 4.016	200x125 8x5	219.1x133 8.626x5.236	232 1.6	127 5
150x65 6x2 1/2	165.1x76.1 6.5x2.996	300 2.07	102 4.016	200x125 8x5	219.1x139.7 8.626x5.5	232 1.6	127 5
150x80 6x3	165.1x88.9 6.5x3.5	300 2.07	102 4.016	200x150 8x6	219.1x159 8.626x6.26	232 1.6	127 5
150x100 6x4	165.1x108 6.5x4.252	300 2.07	102 4.016	200x150 8x6	219.1x165.1 8.626x6.5	232 1.6	127 5
150x100 6x4	165.1x114.3 6.5x4.5	300 2.07	102 4.016	200x150 8x6	219.1x168.3 8.626x6.626	232 1.6	127 5
150x125 6x5	165.1x133 6.5x5.236	300 2.07	102 4.016	250x100 10x4	273x114.3 10.748x4.5	232 1.6	135 5.315
150x125 6x5	165.1x139.7 6.5x5.5	300 2.07	102 4.016	250x125 10x5	273x139.7 10.748x5.5	232 1.6	135 5.315
150x50 6x2	168.3x60.3 6.614x2.374	300 2.07	102 4.016	250x150 10x6	273x165.1 10.748x6.5	232 1.6	135 5.315
150x65 6x2 1/2	168.3x76.1 6.614x2.996	300 2.07	102 4.016	250x150 10x6	273x168.3 10.748x6.626	232 1.6	135 5.315
150x80 6x3	168.3x88.9 6.614x3.5	300 2.07	102 4.016	250x200 10x8	273x219.1 10.748x8.626	232 1.6	135 5.315

### Concentric Reducer (Threaded) · XGQT07S



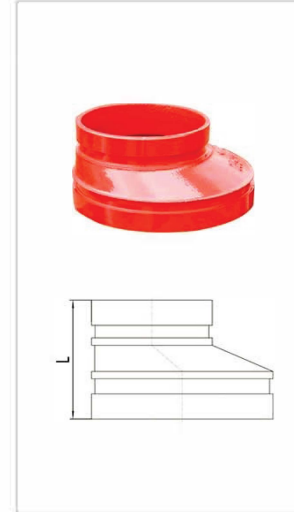
Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/Mpa	L mm/in	Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/Mpa	L mm/in
50x25 2x1	60.3x33.7 2.375x1.327	300 2.07	64 2.62	100x65 4x2 1/2	108x76.1 4.252x2.996	300 2.07	76 2.992
50x32 2x1 1/2	60.3x42.4 2.375x1.669	300 2.07	64 2.62	100x80 4x3	108x88.9 4.252x3.5	300 2.07	76 2.992
50x40 2x1 1/2	60.3x48.3 2.375x1.902	300 2.07	64 2.62	100x25 4x1	114.3x33.7 4.5x1.327	300 2.07	76 2.992
65x25 2 1/2x1	73.0x33.7 2.875x1.327	300 2.07	64 2.62	100x32 4x1 1/4	114.3x42.4 4.5x1.669	300 2.07	76 2.992
65x32 2 1/2x1 1/4	73.0x42.4 2.875x1.669	300 2.07	64 2.62	100x40 4x1 1/2	114.3x48.3 4.5x1.902	300 2.07	76 2.992
65x40 2 1/2x1 1/2	73.0x48.3 2.875x1.902	300 2.07	64 2.62	100x50 4x2	114.3x60.3 4.5x2.375	300 2.07	76 2.992
65x50 2 1/2x2	73.0x60.3 2.875x2.375	300 2.07	64 2.62	100x65 4x2 1/2	144.3x76.1 4.5x2.996	300 2.07	76 2.992
65x25 2 1/2x1	76.1x33.7 2.996x1.327	300 2.07	64 2.62	100x80 4x3	114.3x88.9 4.5x3.5	300 2.07	76 2.992
65x32 2 1/2x1 1/4	76.1x42.4 2.996x1.669	300 2.07	64 2.62	125x25 5x1	133x33.7 5.236x1.327	300 2.07	102 4.016
65x40 2 1/2x1 1/2	76.1x48.3 2.996x1.902	300 2.07	64 2.62	125x32 5x1 1/4	133x42.4 5.236x1.669	300 2.07	102 4.016
65x50 2 1/2x2	76.1x60.3 2.996x2.375	300 2.07	64 2.62	125x40 5x1 1/2	133x48.3 5.236x1.902	300 2.07	102 4.016
80x25 3x1	88.9x33.7 3.5x1.327	300 2.07	64 2.62	125x50 5x2	133x60.3 5.236x2.375	300 2.07	102 4.016
80x32 3x1 1/4	88.9x42.4 3.5x1.669	300 2.07	64 2.62	125x65 5x2 1/2	133x76.1 5.236x2.996	300 2.07	102 4.016
80x40 3x1 1/2	88.9x48.3 3.5x1.902	300 2.07	64 2.62	125x80 5x3	133x88.9 5.236x3.5	300 2.07	102 4.016
80x50 3x2	88.9x60.3 3.5x2.375	300 2.07	64 2.62	125x100 5x4	133x108 5.236x4.252	300 2.07	102 4.016
80x65 3x2 1/2	88.9x76.1 3.5x2.996	300 2.07	64 2.62	125x100 5x4	133x114.3 5.236x4.5	300 2.07	102 4.016
100x25 4x1	108x33.7 4.252x1.327	300 2.07	76 2.992	125x25 5x1	139.7x33.7 5.5x1.327	300 2.07	102 4.016
100x32 4x1 1/4	108x42.4 4.252x1.669	300 2.07	76 2.992	125x32 5x1 1/4	139.7x42.4 5.5x1.669	300 2.07	102 4.016
100x40 4x1 1/2	108x48.3 4.252x1.902	300 2.07	76 2.992	125x40 5x1 1/2	139.7x48.3 5.5x1.902	300 2.07	102 4.016
100x50 4x2	108x60.3 4.252x2.375	300 2.07	76 2.992	125x50 5x2	139.7x60.3 5.5x2.375	300 2.07	102 4.016

## Concentric Reducer (Threaded) · XGQT07S



Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/Mpa	L mm/in	Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/Mpa	L mm/in
125x65	139.7x76.1	300	102	150x32	165.1x42.4	300	102
5x2 1/2	5.5x2.996	2.07	4.016	6x1 1/4	6.5x1.669	2.07	4.016
125x80	139.7x88.9	300	102	150x40	165.1x48.3	300	102
5x3	5.5x3.5	2.07	4.016	6x1 1/2	6.5x1.902	2.07	4.016
125x100	139.7x108	300	102	150x50	165.1x60.3	300	102
5x4	5.5x4.5	2.07	4.016	6x2	6.5x2.375	2.07	4.016
125x100	139.7x114.3	300	102	150x65	165.1x76.1	300	102
5x4	5.5x4.5	2.07	4.016	6x2 1/2	6.5x2.996	2.07	4.016
125x25	141.3x33.7	300	102	150x80	165.1x88.9	300	102
5x1	5.56x1.327	2.07	4.016	6x3	6.5x3.5	2.07	4.016
125x32	141.3x42.4	300	102	150x100	165.1x114.3	300	102
5x1 1/4	5.56x1.669	2.07	4.016	6x4	6.5x4.5	2.07	4.016
125x40	141.3x48.3	300	102	150x25	168.3x33.7	300	102
5x1 1/2	5.56x1.902	2.07	4.016	6x1	6.614x1.327	2.07	4.016
125x50	141.3x60.3	300	102	150x32	168.3x42.4	300	102
5x2	5.56x2.375	2.07	4.016	6x1 1/4	6.614x1.669	2.07	4.016
125x65	141.3x76.1	300	102	150x40	168.3x48.3	300	102
5x2 1/2	5.56x2.996	2.07	4.016	6x1 1/2	6.614x1.902	2.07	4.016
125x80	141.3x88.9	300	102	150x50	168.3x60.3	300	102
5x3	5.56x3.5	2.07	4.016	6x2	6.614x2.375	2.07	4.016
125x100	141.3x108	300	102	150x65	168.3x76.1	300	102
5x4	5.56x4.5	2.07	4.016	6x2 1/2	6.614x2.996	2.07	4.016
125x100	141.3x114.3	300	102	150x80	168.3x88.9	300	102
5x4	5.56x4.5	2.07	4.016	6x3	6.614x3.5	2.07	4.016
150x25	159x33.7	300	102	150x100	168.3x114.3	300	102
6x1	6.26x1.327	2.07	4.016	6x4	6.614x4.5	2.07	4.016
150x32	159x42.4	300	102	200x25	219.1x33.7	232	127
6x1 1/4	6.26x1.669	2.07	4.016	8x1	8.625x1.327	1.6	5.000
150x40	159x48.3	300	102	200x32	219.1x42.4	232	127
6x1 1/2	6.26x1.902	2.07	4.016	8x1 1/4	8.625x1.669	1.6	5.000
150x50	159x60.3	300	102	200x40	219.1x48.3	232	127
6x2	6.26x2.375	2.07	4.016	8x1 1/2	8.625x1.902	1.6	5.000
150x65	159x76.1	300	102	200x50	219.1x60.3	232	127
6x2 1/2	6.26x2.996	2.07	4.016	8x2	8.625x2.375	1.6	5.000
150x80	159x88.9	300	102	200x65	219.1x76.1	232	127
6x3	6.26x3.5	2.07	4.016	8x2 1/2	8.625x2.996	1.6	5.000
150x100	159x114.3	300	102	200x80	219.1x88.9	232	127
6x4	6.26x4.5	2.07	4.016	8x3	8.625x3.5	1.6	5.000
150x25	165.1x33.7	300	102	200x100	219.1x114.3	232	127
6x1	6.5x1.327	2.07	4.016	8x4	8.625x4.5	1.6	5.000

## Eccentric Reducer (Grooved) · XGQT17



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	232	130
8x3	8.626x3.50	1.6	5.118
200x100	219.1x114.3	232	130
8x4	8.626x4.50	1.6	5.118
200x125	219.1x139.7	232	130
8x5	8.626x5.50	1.6	5.118
200x150	219.1x159	232	130
8x6	8.626x6.260	1.6	5.118
200x150	219.1x165.1	232	130
8x6	8.626x6.50	1.6	5.118
200x150	219.1x168.3	232	130
5x6	8.626x6.626	1.6	5.118
250x150	273x159	232	152
10x6	10.748x6.260	1.6	5.984

## Cap · XGQT06

According to different situations, the appearance can be dealt 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	33.7	300	24
1	1.327	2.07	0.945
32	42.4	300	24
1 1/4	1.669	2.07	0.945
40	48.3	300	24
1 1/2	1.900	2.07	0.945
50	60.3	300	26
2	2.375	2.07	1.024
65	73.0	300	28
2 1/2	2.875	2.07	1.102
65	76.1	300	28
2 1/2	3	2.07	1.102
80	88.9	300	28
3	3.5	2.07	1.102
100	108	300	28
4	4.252	2.07	1.102
100	114.3	300	28
4	4.5	2.07	1.102
125	133	300	28
5	5.25	2.07	1.102
125	139.7	300	28
5	5.5	2.07	1.102
125	141.3	300	28
5	5.56	2.07	1.102
150	159	300	28
6	6.25	2.07	1.102
150	165.1	300	28
6	6.5	2.07	1.102
150	168.3	300	28
6	6.625	2.07	1.102
200	219.1	232	36
8	8.625	1.60	1.417
250	273	232	36
10	10.75	1.60	1.417

## Cap with Eccentric Hole



Nominal Size mm/in	Pipe O D mm/in	Working Pressure PSI/Mpa	L mm/in
65x25	76.1x33.7	300	23.5
2 1/2x1	3.000x1.315	2.07	0.925
65x40	76.1x48.3	300	23.5
2 1/2x1 1/2	3.000x1.900	2.07	0.925
80x25	88.9x33.7	300	23.5
3x1	3.500x1.315	2.07	0.925
80x40	88.9x48.3	300	23.5
3x1 1/2	3.500x1.900	2.07	0.925
80x50	88.9x60.3	300	23.5
3x2	3.500x2.375	2.07	0.925
100x25	114.3x33.7	300	25.4
4x1	4.500x1.315	2.07	1.00
100x40	114.3x48.3	300	25.4
4x1 1/2	4.500x1.900	2.07	1.00
100x50	114.3x60.3	300	25.4
4x2	4.500x2.375	2.07	1.00
125x40	139.7x60.3	300	25.4
5x1 1/2	5.500x1.900	2.07	1.00
125x50	139.7x60.3	300	25.4
5x2	5.500x2.375	2.07	1.00
150x40	165.1x48.3	300	25.4
6x1 1/2	6.500x1.900	2.07	1.00
150x40	168.3x48.3	300	25.4
6x1 1/2	6.625x1.900	2.07	1.00
150x50	168.3x60.3	300	25.4
6x2	6.625x2.375	2.07	1.00
200x40	219.1x48.3	300	30.2
8x1 1/2	8.625x1.900	2.07	1.19
200x50	219.1x60.3	300	30.2
8x2	8.625x2.375	2.07	1.19

## 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 ANS/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 different liquid mediums.  
2. Products can be supplied as per customers requirements.

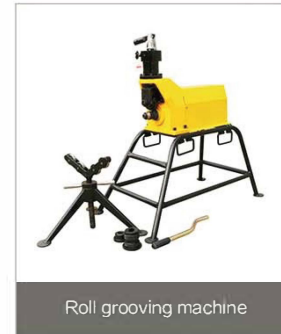
## Bolts and Nuts



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-treatment. 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.



## 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.



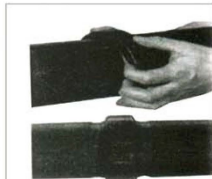
Lubricate gasket

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.



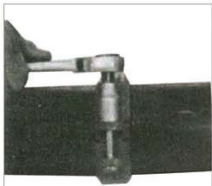
Alignment

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



Housing installation

Remove 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 pairs 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.

Cauton
<p>Proper torquing of bolts is required to obtain specified performance.</p> <ul style="list-style-type: none"> <li>- Over torquing the bolts may result in damage to the bolt and / or casting which could result in pipe joint separation.</li> <li>- 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.</li> </ul>

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, insert 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.

Cauton
<p>Proper torquing of bolts is required to obtain specified performance.</p> <ul style="list-style-type: none"> <li>- Over torquing the bolts may result in damage to the bolt and / or casting which could result in pipe joint separation.</li> <li>- 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.</li> </ul>

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	-	-