

Product show



Rigid Coupling
XGQT1



Flexible Coupling
XGQT2



Reducing Flexible Coupling
XGQT5



Angle Pad Rigid Coupling
XGQT6



Heavy Duty
Flexible Coupling
XGQT12



Shouldered Flexible
Coupling



Boltless Coupling



Grooved Fitting Galvanized Threaded Concentric Reducer
XGQT07S



Grooved Concentric Reducer
XGQT07



Tee
XGQT03



Threaded Reducing Tee
XGQT13S



Grooved Reducing Tee
XGQT13



Cross
XGQT14



90° Elbow
XGQT01



45° Elbow
XGQT02



22.5° Elbow
XGQT16



11.25° Elbow
XGQT10



Grooved Reducing Cross
XGQT15



Threaded Reducing Cross
XGQT15S



Cap
XGQT09



U-Bolt Mechanical Tee
XGQT3U



Grooved Flange
XGQT8



Adaptor Flange
XGQT08



Mechanical Tee Threaded Outlet
XGQT3S

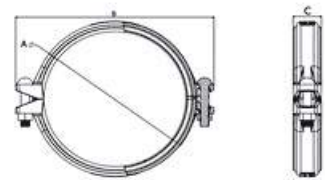


Mechanical Tee Grooved Outlet
XGQT3



Mechanical Cross Threaded Outlet
XGQT4S

XGQT1 Rigid Coupling



Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension			Bolt/Nut
			A mm/in	B mm/in	C mm/in	
25	33.7	300	56	96	45	10*45
1	1.327	2.07	2.205	3.780	1.772	10*45
32	42.4	300	66	106	45	10*45
1 1/4	1.669	2.07	2.598	4.173	1.772	10*45
40	48.3	300	72	114	45	10*45
1 1/2	1.9	2.07	2.835	4.488	1.772	10*45
50	60.3	300	81	126	47	10*55
2	2.375	2.07	3.189	4.961	1.772	10*55
65	73	300	95	139	47	10*55
2 1/2	2.875	2.07	3.740	5.472	1.772	10*55
65	76.1	300	99	143	47	10*55
3 OD	3	2.07	3.898	5.630	1.772	10*55
80	88.9	300	112	157	48	10*55
3	3.5	2.07	4.409	6.181	1.890	10*55
100	114.3	300	138	193	50	12*65
4	4.5	2.07	5.433	7.598	1.969	12*65
125	139.7	300	166	221	50	12*65
5 1/2 OD	5.5	2.07	6.535	8.701	1.969	12*65
125	141.3	300	169	222	50	12*65
5	5.563	2.07	6.654	8.740	1.969	12*65
150	165.1	300	193	250	51	12*70
6 1/2 OD	6.5	2.07	7.598	9.843	2.008	12*70
150	168.3	300	196	256	51	12*70
6	6.625	2.07	7.717	10.079	2.008	12*70
200	219.1	300	254	322	63	16*85
8	8.625	2.07	10.000	12.677	2.480	16*85
250	273	300	313	392	64	20*100
10	10.75	2.07	12.323	15.433	2.520	20*100
300	323.9	300	366	445	66	20*110
12	12.75	2.07	14.409	17.520	2.598	20*110

XGQT2 Flexible Coupling



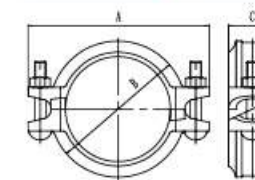
Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension			Bolt/Nut
			A mm/in	B mm/in	C mm/in	
25	33.7	300	56	96	45	10*45
1	1.327	2.07	2.205	3.780	1.772	10*45
32	42.4	300	66	106	45	10*45
1 1/4	1.669	2.07	2.598	4.173	1.772	10*45
40	48.3	300	72	114	45	10*45
1 1/2	1.9	2.07	2.835	4.488	1.772	10*45
50	60.3	300	81	126	47	10*50
2	2.375	2.07	3.189	4.961	1.850	10*50
65	73	300	95	139	47	10*55
2 1/2	2.875	2.07	3.740	5.472	1.850	10*55
65	76.1	300	99	143	47	10*55
3 OD	3	2.07	3.898	5.630	1.850	10*55
80	88.9	300	112	157	48	10*55
3	3.5	2.07	4.409	6.181	1.890	10*55
100	114.3	300	138	193	50	12*65
4	4.5	2.07	5.433	7.598	1.969	12*65
125	139.7	300	166	221	50	12*65
5 1/2 OD	5.5	2.07	6.535	8.701	1.969	12*65
150	165.1	300	193	250	51	12*70
6 1/2 OD	6.5	2.07	7.598	9.843	2.008	12*70
150	168.3	300	196	256	51	12*70
6	6.625	2.07	7.717	10.079	2.008	12*70
200	219.1	300	254	322	63	16*85
8	8.625	2.07	10.000	12.677	2.480	16*85
250	273	300	313	392	64	20*100
10	10.75	2.07	12.323	15.433	2.520	20*100
300	323.9	300	366	445	66	20*110
12	12.75	2.07	14.409	17.520	2.598	20*110

Shouldered Flexible Coupling



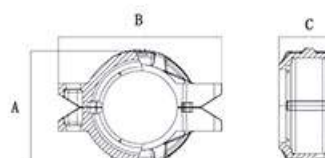
Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension			Bolt/Nut
			A mm/in	B mm/in	C mm/in	
50	60.3	580	88	125	46	10
2	2.375	4.0	3.465	4.92	1.81	10
80	88.9	580	119	160	49	10
3	3.5	4.0	4.685	6.299	1.929	10
100	114.3	507.5	152	190	50	12
4	4.5	3.5	5.984	7.48	1.97	12
150	165.1	507.5	201	256	50	14
6	6.5	3.5	7.913	10.079	1.969	14
200	219.1	435	265	340	60	20
8	8.625	3.0	10.433	13.39	2.36	20
250	273	362.5	321	408	62	22
10	10.75	2.5	12.638	16.063	2.441	22
300	323.9	362.5	380	463	64	22
12	12.75	2.5	14.961	18.23	2.52	22

XGQT6 Angle Rad Rigid Coupling



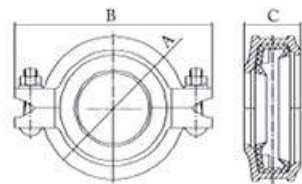
Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension			Bolt/Nut
			A mm/in	B mm/in	C mm/in	
50	60.3	300	83	126	48	10*55
2	2.375	2.07	3.268	4.96	1.89	10*55
65	76.1	300	99	143	48	10*60
2 1/2	3	2.07	3.898	5.630	1.890	10*60
80	88.9	300	112	161	48	12*65
3	3.5	2.07	4.409	6.34	1.89	12*65
100	114.3	300	139	198	51	14*75
4	4.5	2.07	5.472	7.795	2.008	14*75
125	139.7	300	170	228	52	14*75
5	5.5	2.07	6.693	8.98	2.05	14*75
150	165.1	300	194	261	52	16*85
6	6.5	2.07	7.638	10.276	2.047	16*85
200	219.1	300	258	332	62	20*100
8	8.625	2.07	10.157	13.07	2.44	20*100

Heavy Duty Flexible/Rigid Coupling



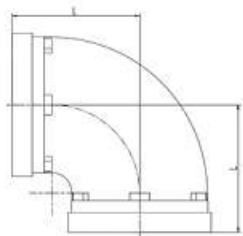
Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension			Bolt/Nut
			A mm/in	B mm/in	C mm/in	
50	60.3	500	86	125	46	M10*55
2	2.375	3.45	3.386	4.92	1.81	M10*55
65	73	500	99	146.00	47	M12*65
2 1/2	2.875	3.45	3.89	5.75	1.85	M12*65
65	76.1	500	102	150	47	M12*65
2 1/2	3	3.45	4.02	5.90	1.85	M12*65
80	88.9	500	115	164	47	M12*65
3	3.5	3.45	4.53	6.46	1.85	M12*65
100	114.3	500	142	190	50	M12*70
4	4.5	3.45	5.59	7.48	1.97	M12*70
150	165.1	500	200	256	50	M14*90
6	6.5	3.45	7.87	10.00	1.97	M14*90
150	168.3	500	204	260	50	M14*90
6	6.625	3.45	8.03	10.24	1.97	M14*90
200	219.1	500	266	340	60	M20*110
8	8.625	3.45	10.47	13.39	2.36	M20*110

XGQT5 Reducing Flexible Coupling



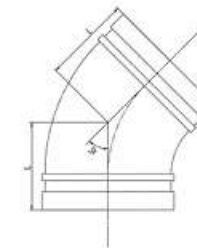
Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension			Bolt/Nut
			A mm/in	B mm/in	C mm/in	
50 x 40	60.3 x 48.3	300	87	130	48	10*55
2 x 1½	2.375 x 1.900	2.07	3.425	5.118	1.89	
65 x 40	73.0 x 48.3	300	100	142	48	10*60
2½ x 1½	2.875 x 1.900	2.07	3.937	5.591	1.890	
65 x 50	73.0 x 60.3	300	100	142	48	10*60
2½ x 2	2.875 x 3.375	2.07	3.937	5.591	1.890	
65 x 40	76.1 x 48.3	300	102	147	48	10*60
3OD x 1½	3.000 x 1.900	2.07	4.016	5.787	1.890	
65 x 50	76.1 x 60.3	300	102	147	48	10*60
3OD x 2	3.000 x 2.375	2.07	4.016	5.787	1.890	
80 x 40	88.9 x 48.3	300	116	165	49	12*70
3 x 1½	3.500 x 1.900	2.07	4.567	6.496	1.929	
80 x 50	88.9 x 60.3	300	116	165	49	12*70
3 x 2	3.500 x 2.375	2.07	4.567	6.496	1.929	
80 x 65	88.9 x 73.0	300	116	165	49	12*70
3 x 2½	3.500 x 2.375	2.07	4.567	6.496	1.929	
80 x 65	88.9 x 76.1	300	116	165	49	12*70
3 x 3OD	3.500 x 3.000	2.07	4.567	6.496	1.929	
100 x 32	114.3 x 42.4	300	146	200	52	14*75
4 x 1¼	4.500 x 1.689	2.07	5.748	7.874	2.047	
100 x 40	114.3 x 48.3	300	146	200	52	14*75
4 x 1½	4.500 x 1.900	2.07	5.748	7.874	2.047	
100 x 50	114.3 x 60.3	300	146	200	52	14*75
4 x 2	4.500 x 2.375	2.07	5.748	7.874	2.047	
100 x 65	114.3 x 73.0	300	146	200	52	14*75
4 x 2½	4.500 x 1.327	2.07	5.748	7.874	2.047	
100 x 65	114.3 x 76.1	300	146	200	52	14*75
4 x 3OD	4.500 x 3.000	2.07	5.748	7.874	2.047	
100 x 80	114.3 x 88.9	300	146	200	52	14*75
4 x 3	4.500 x 3.500	2.07	5.748	7.874	2.047	
150 x 100	165.1 x 114.3	300	197	255	51	16*90
6½ x 4	6.500 x 4.500	2.07	7.756	10.039	2.008	
150 x 80	168.3 x 88.9	300	200	259	52	16*90
6 x 3	6.625 x 3.500	2.07	7.874	10.197	2.047	
150 x 100	168.3 x 114.3	300	200	259	52	16*90
6 x 4	6.625 x 4.500	2.07	7.874	10.197	2.047	
150 x 125	168.3 x 139.7	300	210	259	53	16*90
6 x 5½OD	6.625 x 5.500	2.07	8.268	10.197	2.087	
200 x 150	219.1 x 168.3	300	258	335	62	20*110
8 x 6	8.625 x 6.625	2.07	10.157	13.189	2.441	

XGQT01 90° Elbow



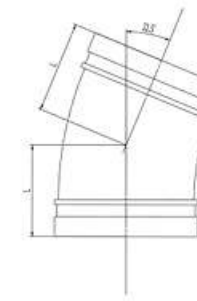
Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in	
			Standard	Short
25	33.7	300	57	57
1	1.315	2.07	2.244	2.244
32	42.4	300	70	60
1¼	1.66	2.07	2.756	2.362
40	48.3	300	70	60
1½	1.9	2.07	2.756	2.362
50	60.3	300	83	70
2	2.375	2.07	3.268	2.756
65	73	300	95	76
2½	2.875	2.07	3.740	2.992
65	76.1	300	95	76
3OD	3	2.07	3.740	2.992
80	88.9	300	108	86
3	3.5	2.07	4.252	3.386
100	114.3	300	127	102
4	4.5	2.07	5.000	4.016
125	139.7	300	140	122
5½OD	5.5	2.07	5.512	4.803
150	165.1	300	165	140
6½OD	6.5	2.07	6.496	5.512
150	168.3	300	165	140
6	6.625	2.07	6.496	5.512
200	219.1	300	197	175
8	8.625	2.07	7.756	6.890
250	273	300	229	215
10	10.75	2.07	9.016	8.465
300	323.9	300	254	245
12	12.75	2.07	10.000	9.646

XGQT02 45° Elbow



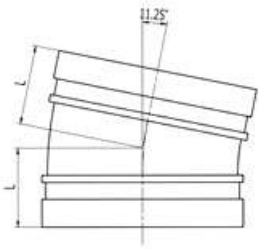
Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in
25	33.7	300	44
1	1.315	2.07	1.732
32	42.4	300	45
1¼	1.66	2.07	1.772
40	48.3	300	45
1½	1.9	2.07	1.772
50	60.3	300	51
2	2.375	2.07	2.008
65	73	300	57
2½	2.875	2.07	2.244
65	76.1	300	57
3OD	3	2.07	2.244
80	88.9	300	64
3	3.5	2.07	2.520
100	114.3	300	76
4	4.5	2.07	2.992
125	139.7	300	83
5½OD	5.5	2.07	3.268
150	165.1	300	89
6½OD	6.5	2.07	3.504
150	168.3	300	89
6	6.625	2.07	3.504
200	219.1	300	108
8	8.625	2.07	4.252
250	273	300	121
10	10.75	2.07	4.764
300	323.9	300	133
12	12.75	2.07	5.236

XGQT16 22.5° Elbow



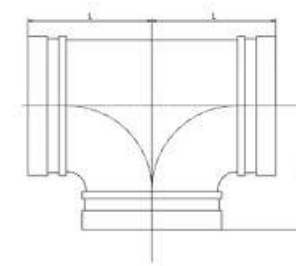
Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in
25	33.7	300	44
1	1.315	2.07	1.732
32	42.4	300	45
1¼	1.66	2.07	1.772
40	48.3	300	45
1½	1.9	2.07	1.772
50	60.3	300	51
2	2.375	2.07	2.008
65	73	300	51
2½	2.875	2.07	2.008
65	76.1	300	51
3OD	3	2.07	2.008
80	88.9	300	57
3	3.5	2.07	2.244
100	114.3	300	73
4	4.5	2.07	2.874
125	139.7	300	73
5½OD	5.5	2.07	2.874
150	165.1	300	79
6½OD	6.5	2.07	3.110
150	168.3	300	79
6	6.625	2.07	3.110
200	219.1	300	98
8	8.625	2.07	3.858
250	273	300	111
10	10.75	2.07	4.370
300	323.9	300	124
12	12.75	2.07	4.882

XGQT10
11.25° Elbow



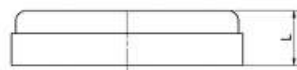
Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in
			11.25° Elbow
25	33.7	300	35
1	1.315	2.07	1.378
32	42.4	300	35
1¼	1.66	2.07	1.378
40	48.3	300	35
1½	1.9	2.07	1.378
50	60.3	300	35
2	2.375	2.07	1.378
65	73	300	38
2½	2.875	2.07	1.496
65	76.1	300	38
3OD	3	2.07	1.496
80	88.9	300	38
3	3.5	2.07	1.496
100	114.3	300	45
4	4.5	2.07	1.772
125	139.7	300	51
5½OD	5.5	2.07	2.008
150	165.1	300	51
6½OD	6.5	2.07	2.008
150	168.3	300	51
6	6.625	2.07	2.008
200	219.1	300	51
8	8.625	2.07	2.008
250	273	300	54
10	10.75	2.07	2.126
300	323.9	300	57
12	12.75	2.07	2.244

XGQT03
Tee



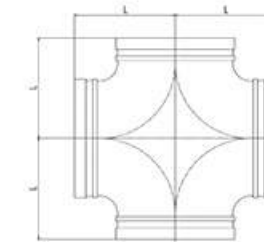
Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in	
			Standard	Short
25	33.7	300	57	57
1	1.315	2.07	2.244	2.244
32	42.4	300	70	60
1¼	1.66	2.07	2.756	2.362
40	48.3	300	70	60
1½	1.9	2.07	2.756	2.362
50	60.3	300	83	70
2	2.375	2.07	3.268	2.756
65	73	300	95	76
2½	2.875	2.07	3.740	2.992
65	76.1	300	95	76
3OD	3	2.07	3.740	2.992
80	88.9	300	108	86
3	3.5	2.07	4.252	3.386
100	114.3	300	127	102
4	4.5	2.07	5.000	4.016
125	139.7	300	140	122
5½OD	5.5	2.07	5.512	4.803
150	165.1	300	165	140
6½OD	6.5	2.07	6.496	5.512
150	168.3	300	165	140
6	6.625	2.07	6.496	5.512
200	219.1	300	197	175
8	8.625	2.07	7.756	6.890
250	273	300	229	215
10	10.75	2.07	9.016	8.465
300	323.9	300	254	245
12	12.75	2.07	10.000	9.646

XGQT09
Cap



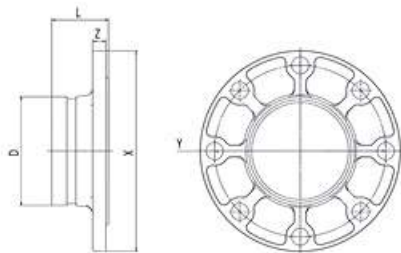
Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in
			Cap
25	33.7	300	22
1	1.315	2.07	0.866
32	42.4	300	24
1¼	1.66	2.07	0.945
40	48.3	300	24
1½	1.9	2.07	0.945
50	60.3	300	24
2	2.375	2.07	0.945
65	73	300	24
2½	2.875	2.07	0.945
65	76.1	300	24
3OD	3	2.07	0.945
80	88.9	300	24
3	3.5	2.07	0.945
100	108	300	27
4¼OD	4.25	2.07	1.063
100	114.3	300	27
4	4.5	2.07	1.063
125	139.7	300	27
5½OD	5.5	2.07	1.063
150	165.1	300	27
6½OD	6.5	2.07	1.063
150	168.3	300	27
6	6.625	2.07	1.063
200	219.1	300	30
8	8.625	2.07	1.181
250	273	300	32
10	10.75	2.07	1.260
300	323.9	300	32
12	12.75	2.07	1.260

XGQT14
Cross



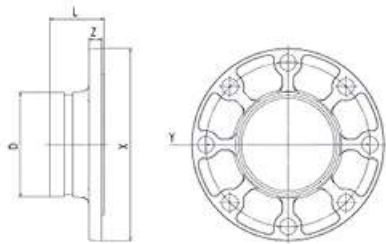
Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in
25	33.7	300	57
1	1.315	2.07	2.244
32	42.4	300	60
1¼	1.66	2.07	2.362
40	48.3	300	60
1½	1.9	2.07	2.362
50	60.3	300	70
2	2.375	2.07	2.756
65	73	300	76
2½	2.875	2.07	2.992
65	76.1	300	76
3OD	3	2.07	2.992
80	88.9	300	86
3	3.5	2.07	3.386
100	114.3	300	102
4	4.5	2.07	4.016
125	139.7	300	122
5½OD	5.5	2.07	4.803
150	165.1	300	140
6½OD	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	8.465
300	323.9	300	245
12	12.75	2.07	9.646

XGQT08 Adaptor Flange Class150



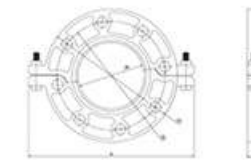
Nominal Size	Pipe O.D	Dimension				Bolt/Nut No. - SIZE
		L	X	Y	Z	
mm/in	mm/in	mm/in	mm/in	mm/in	mm/in	
50	60.3	65	155	121	16	4-M16
2	2.375	2.559	6.102	4.764	0.630	
65	73	65	185	140	16	4-M16
2½	2.875	2.559	7.283	5.512	0.630	
80	88.9	65	190	153	16	8-M16
3	3.5	2.559	7.480	6.024	0.630	
100	114.3	70	230	191	17	8-M16
4	4.5	2.756	9.055	7.520	0.669	
125	141.3	70	257	216	18	8-M16
5	5.563	2.756	10.118	8.504	0.630	
150	168.3	70	285	241	19	8-M20
6	6.625	2.756	11.220	9.488	0.748	
200	219.1	75	345	299	19	8-M20
8	8.625	2.953	13.583	11.772	0.748	
250	273	85	406	362	21	12-M24
10	10.75	3.346	15.984	14.252	0.827	
300	323.9	90	485	432	25	12-M24
12	12.75	3.543	19.094	17.008	0.984	

XGQT08 Adaptor Flange PN16



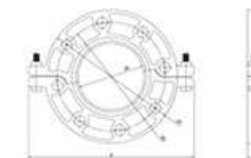
Nominal Size	Pipe O.D	Working Pressure PSI/MPa	Dimension				Bolt/Nut No. - SIZE
			L	X	Y	Z	
mm/in	mm/in	PSI/MPa	mm/in	mm/in	mm/in	mm/in	
50	60.3	225	65	164	125	16	4-M16
2	2.2375	1.6	2.559	6.457	4.921	0.63	
65	73	225	65	184	145	16	4-M16
2½	2.875	1.6	2.559	7.244	5.709	0.63	
80	88.9	225	65	200	160	16	4-M16
3	3.5	1.6	2.559	7.874	6.299	0.63	8-M16
100	108	225	65	210	180	16	8-M16
4¼ OD	4.25	1.6	2.559	8.268	7.087	0.63	
100	114.3	225	70	219	180	16	8-M16
4	4.5	1.6	2.756	8.622	7.087	0.63	
125	133	225	70	250	210	18	8-M16
5¼ OD	5.25	1.6	2.756	9.843	8.268	0.709	
125	139.7	225	70	250	210	18	8-M16
5¼ OD	5.5	1.6	2.756	9.843	8.268	0.709	
125	141.3	225	70	250	210	18	8-M16
5	5.563	1.6	2.756	9.843	8.268	0.709	
150	159	225	70	285	240	18	8-M20
6¼ OD	6.25	1.6	2.756	11.220	9.449	0.709	
150	165.1	225	70	286	240	18	8-M20
6¼ OD	6.5	1.6	2.756	11.260	9.449	0.709	
150	168.3	225	70	285	240	18	8-M20
6	6.625	1.6	2.756	11.220	9.449	0.709	
200	219.1	225	80	341	295	19	12-M20
8	8.625	1.6	3.150	13.425	11.614	0.748	
250	273	225	80	402	355	22	12-M24
10	10.75	1.6	3.150	15.827	13.976	0.866	
300	323.9	225	90	450	410	25	12-M24
12	12.75	1.6	3.543	17.717	16.142	0.984	

XGQT8 Flange Coupling (Grooved Flange)Class150



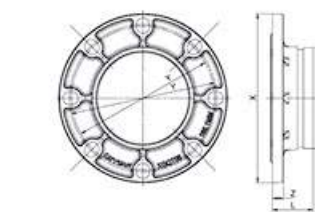
Nominal Size	Pipe O.D	Dimension					Bolt/Nut
		A	B	C	D	E	
mm/in	mm/in	mm/in	mm/in	mm/in	mm/in	mm/in	
50	60.3	210	24	157	121	56.8	10*60
2	2.375	8.268	0.945	6.181	4.764	2.236	
65	73	232	24	181	140	68.5	10*60
2½	2.875	9.134	0.945	7.126	5.512	2.697	
80	88.9	248	24	192	152	84.8	10*60
3	3.5	9.764	0.945	7.559	5.984	3.339	
100	114.3	284	25	231	191	109.5	10*60
4	4.5	11.181	0.984	9.094	7.520	4.311	
125	141.3	321	25	255	216	137.2	10*70
5	5.563	12.638	0.984	10.039	8.504	5.402	
150	168.3	344	25	286	242	163.3	10*70
6	6.625	13.543	0.984	11.260	9.528	6.429	
200	219.1	404	30	342	298	214	12*75
8	8.625	15.906	1.181	13.465	11.732	8.425	

XGQT8 Flange Coupling (Grooved Flange)PN16



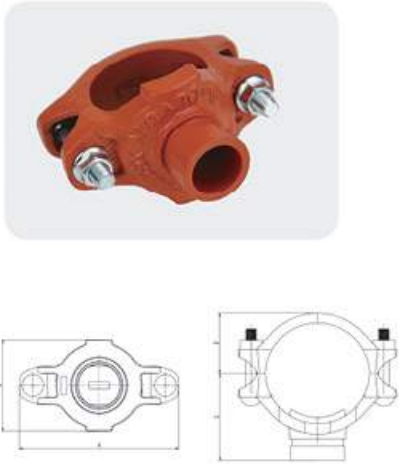
Nominal Size	Pipe O.D	Working Pressure PSI/MPa	Dimension					Bolt/Nut
			A	B	C	D	E	
mm/in	mm/in	PSI/MPa	mm/in	mm/in	mm/in	mm/in	mm/in	
50	60.3	225	210	24	166	125	56.8	4-M16
2	2.375	1.6	8.268	0.945	6.535	4.921	2.236	
65	73	225	232	24	181	145	68.5	4-M16
2½	2.875	1.6	9.134	0.945	7.126	5.709	2.697	
80	88.9	225	248	24	186	145	72	4-M16
3OD	3	1.6	9.528	0.945	7.323	5.709	2.835	
100	114.3	225	277	24	222	180	109.5	8-M16
4	4.5	1.6	10.906	0.945	8.740	7.087	4.311	
125	139.7	225	300	24	252	210	135.3	8-M16
5¼ OD	5.5	1.6	11.811	0.945	9.921	8.268	5.327	
125	141.3	225	325	24	254	210	136.7	8-M16
5	5.563	1.6	12.795	0.945	10.000	8.268	5.382	
150	165.1	225	350	25	285	240	160.3	8-M20
6¼ OD	6.5	1.6	13.780	0.984	11.220	9.449	6.311	
150	168.3	225	350	25	287	240	163.3	8-M20
6	6.625	1.6	13.780	0.984	11.299	9.449	6.429	
200	219.1	225	418	30	342	295	214	12-M20
8	8.625	1.6	16.457	1.181	13.465	11.614	8.425	

Universal Flange Adaptor



Nominal Size	Pipe O.D	L	X	Y: Flange Drilling				Z	Bolt Size		Unit Weight Kgs
				ANSI	PN	JIS	BS		Dia	No.	
mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	
50	60.3	65	165	121	125	120	114	16	M16	4	1.33
2	2.375	2.56	6.50	4.75	4.92	4.72	4.49	0.63	5/8		
65	73	65	185	140	145	140	127	16	M16	4	1.58
2½	2.875	2.56	7.28	5.50	5.70	5.50	5.00	0.63	5/8		
76.1	76.1	65	185	140	145	140	127	16	M16	4	1.59
3	3.000	2.56	7.28	5.50	5.70	5.50	5.00	0.63	5/8		
80	88.9	65	200	152	160	150	146	16	M16	4/8	1.99
3	3.500	2.56	7.87	6.00	6.30	5.90	5.75	0.63	5/8		
100	114.3	70	225	191	180	175	178	16	M16	8	2.64
4	4.500	2.76	8.86	7.50	7.09	6.89	7.00	0.63	5/8		
139.7	139.700	70	254.00	216	210	210	210.00	16	M16/M20	8	3.54
5	5.500	2.76	10.00	8.50	8.27	8.27	8.27	0.63	5/8 / 3/4		
125	141.3	70	254.00	216	210	210		22	M16/M20	8	3.54
5	5.563	2.76	10.00	8.50	8.27	8.27		0.87	5/8 / 3/4		
165.1	165.1	70	272	241	240	240	235	16	M20	8	3.92
6	6.500	2.76	10.71	9.50	9.45	9.45	9.30	0.63	3/4		
150	168.3	70	272	241	240	240		22	M20	8	3.92
6	6.625	2.76	10.71	9.50	9.45	9.45		0.87	3/4		
200	219.1	80	343	298	295	290	292	22	M20	8/12	6.20
8	8.625	3.15	13.50	11.75	11.61	11.42	11.50	0.87	3/4		

XGQT3 Mechanical Tee Grooved Outlet



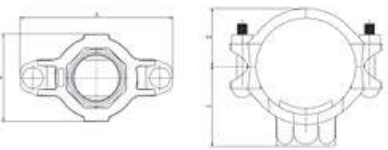
Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Hole Dia mm/in +1.6,0/+0.063,0	Dimension mm/in				Bolt Size
				A	B	C	D	
50 x 20 2 x 3/4	60.3 x 26.9 2.375 x 1.05	300 2.07	38 1.496	114 4.488	69 2.717	58 2.283	38 1.496	10*60
50 x 25 2 x 1	60.3 x 33.7 2.375 x 1.315	300 2.07	38 1.496	114 4.488	69 2.717	58 2.283	38 1.496	10*60
50 x 32 2 x 1 1/4	60.3 x 42.4 2.375 x 1.660	300 2.07	46 1.811	114 4.488	77 3.031	66 2.598	38 1.496	10*60
50 x 40 2 x 1 1/2	60.3 x 48.3 2.375 x 1.900	300 2.07	46 1.811	114 4.488	77 3.031	60 2.362	38 1.496	10*60
65 x 25 2 1/2 x 1	73.0 x 33.7 2.875 x 1.315	300 2.07	38 1.496	126 4.961	70 2.756	74 2.913	46 1.811	10*65
65 x 32 2 1/2 x 1 1/4	73.0 x 42.4 2.875 x 1.660	300 2.07	46 1.811	126 4.961	77 3.031	74 2.913	46 1.811	10*65
65 x 40 2 1/2 x 1 1/2	73.0 x 48.3 2.875 x 1.900	300 2.07	46 1.811	126 4.961	77 3.031	74 2.913	46 1.811	10*65
65 x 25 3OD x 1	73.0 x 33.7 3.000 x 1.315	300 2.07	38 1.496	130 5.118	69 2.717	74 2.913	47 1.850	10*65
65 x 32 3OD x 1 1/4	73.0 x 42.4 3.000 x 1.660	300 2.07	46 1.811	130 5.118	77 3.031	74 2.913	47 1.850	10*65
65 x 40 3OD x 1 1/2	73.0 x 48.3 3.000 x 1.900	300 2.07	46 1.811	130 5.118	77 3.031	74 2.913	47 1.850	10*65
80 x 25 3 x 1	88.9 x 33.7 3.500 x 1.315	300 2.07	38 1.496	147 5.787	73 2.874	74 2.913	54 2.126	12*75
80 x 32 3 x 1 1/4	88.9 x 42.4 3.500 x 1.660	300 2.07	46 1.811	147 5.787	87 3.425	82 3.228	54 2.126	12*75
80 x 40 3 x 1 1/2	88.9 x 48.3 3.500 x 1.900	300 2.07	46 1.811	147 5.787	87 3.425	82 3.228	54 2.126	12*75
80 x 50 3 x 2	88.9 x 60.3 3.500 x 2.375	300 2.07	64 2.520	147 5.787	100 3.937	82 3.228	54 2.126	12*75
100 x 25 4 x 1	114.3 x 33.7 4.500 x 1.315	300 2.07	38 1.496	177 6.969	73 2.874	96 3.780	67 2.638	12*75
100 x 32 4 x 1 1/4	114.3 x 42.4 4.500 x 1.660	300 2.07	46 1.811	177 6.969	87 3.425	96 3.780	67 2.638	12*75
100 x 40 4 x 1 1/2	114.3 x 48.3 4.500 x 1.900	300 2.07	46 1.811	177 6.969	87 3.425	96 3.780	67 2.638	12*75
100 x 50 4 x 2	114.3 x 60.3 4.500 x 2.375	300 2.07	64 2.520	177 6.969	102 4.016	96 3.780	67 2.638	12*75
100 x 65 4 x 2 1/2	114.3 x 73.0 4.500 x 2.875	300 2.07	70 2.756	177 6.969	110 4.331	96 3.780	67 2.638	12*75
100 x 80 4 x 3	114.3 x 88.9 4.500 x 3.500	300 2.07	86 3.386	177 6.969	123 4.843	96 3.780	67 2.638	12*75
125 x 32 5 x 1 1/4	139.7 x 42.4 5.500 x 1.660	300 2.07	51 2.008	211 8.307	89 3.504	100 3.937	79 3.110	12*75
125 x 50 5 1/2 OD x 2	139.7 x 60.3 5.500 x 2.375	300 2.07	64 2.520	211 8.307	102 4.016	108 4.252	79 3.110	16*100
125 x 65 5 1/2 OD x 3OD	139.7 x 76.1 5.500 x 3.000	300 2.07	70 2.756	211 8.307	110 4.331	108 4.252	79 3.110	16*100
125 x 80 5 1/2 OD x 3	139.7 x 88.9 5.500 x 3.500	300 2.07	89 3.504	211 8.307	130 5.118	108 4.252	79 3.110	16*100
150 x 25 6 1/2 OD x 1	165.1 x 33.7 6.500 x 1.315	300 2.07	38 1.496	237 9.331	75 2.953	111 4.370	91 3.583	16*110
150 x 32 6 1/2 OD x 1 1/4	165.1 x 42.4 6.500 x 1.660	300 2.07	46 1.811	237 9.331	89 3.504	111 4.370	91 3.583	16*110
150 x 40 6 1/2 OD x 1 1/2	165.1 x 48.3 6.500 x 1.900	300 2.07	46 1.811	237 9.331	89 3.504	111 4.370	91 3.583	16*110
150 x 50 6 1/2 OD x 2	165.1 x 60.3 6.500 x 2.375	300 2.07	64 2.520	237 9.331	103 4.055	117 4.606	91 3.583	16*110
150 x 65 6 1/2 OD x 2 1/2	165.1 x 73.0 6.500 x 2.875	300 2.07	70 2.756	237 9.331	111 4.370	123 4.843	91 3.583	16*110
150 x 80 6 1/2 OD x 3OD	165.1 x 88.9 6.500 x 3.500	300 2.07	89 3.504	237 9.331	131 5.157	123 4.843	91 3.583	16*110
150 x 100 6 1/2 OD x 4	165.1 x 114.3 6.500 x 4.500	300 2.07	114 4.488	237 9.331	160 6.299	123 4.843	91 3.583	16*110
150 x 25 6 x 1	168.3 x 33.7 6.500 x 1.315	300 2.07	38 1.496	239 9.409	76 2.992	123 4.843	93 3.661	16*110
150 x 32 6 x 1 1/4	168.3 x 42.4 6.625 x 1.660	300 2.07	46 1.811	239 9.409	89 3.504	123 4.843	93 3.661	16*110
150 x 40 6 x 1 1/2	168.3 x 48.3 6.625 x 1.900	300 2.07	46 1.811	239 9.409	89 3.504	123 4.843	93 3.661	16*110
150 x 50 6 x 2	168.3 x 60.3 6.625 x 2.375	300 2.07	64 2.520	239 9.409	103 4.055	122 4.803	93 3.661	16*110
150 x 65 6 x 2 1/2	168.3 x 73.0 6.625 x 2.875	300 2.07	70 2.756	239 9.409	111 4.370	122 4.803	93 3.661	16*110
150 x 80 6 x 3	168.3 x 88.9 6.625 x 3.500	300 2.07	89 3.504	239 9.409	131 5.157	122 4.803	93 3.661	16*110
150 x 100 6 x 4	168.3 x 114.3 6.625 x 4.500	300 2.07	114 4.488	239 9.409	160 6.299	122 4.803	93 3.661	16*110

XGQT3S Mechanical Tee Threaded Outlet



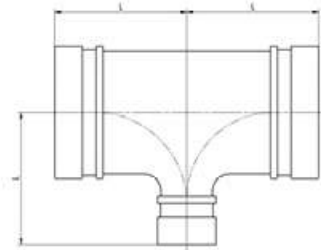
Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Hole Dia mm/in +1.6,0/+0.063,0	Dimension mm/in				Bolt Size
				A	B	C	D	
50 x 15 2 x 1/2	60.3 x 21.3 2.375 x 0.825	300 2.07	38 1.496	114 4.488	70 2.756	59 2.323	39 1.535	10*60
50 x 20 2 x 3/4	60.3 x 26.9 2.375 x 1.050	300 2.07	38 1.496	114 4.488	70 2.756	59 2.323	39 1.535	10*60
50 x 25 2 x 1	60.3 x 33.7 2.375 x 1.315	300 2.07	38 1.496	114 4.488	70 2.756	59 2.323	39 1.535	10*60
50 x 32 2 x 1 1/4	60.3 x 42.4 2.375 x 1.660	300 2.07	46 1.811	114 4.488	77 3.031	59 2.323	39 1.535	10*60
50 x 40 2 x 1 1/2	60.3 x 48.3 2.375 x 1.900	300 2.07	46 1.811	114 4.488	77 3.031	59 2.323	39 1.535	10*60
65 x 15 2 1/2 x 1/2	73.0 x 21.3 2.875 x 0.825	300 2.07	38 1.496	126 4.961	70 2.756	65 2.559	45 1.772	10*65
65 x 20 2 1/2 x 3/4	73.0 x 26.9 2.875 x 1.050	300 2.07	38 1.496	126 4.961	70 2.756	65 2.559	45 1.772	10*65
65 x 25 2 1/2 x 1	73.0 x 33.7 2.875 x 1.315	300 2.07	38 1.496	126 4.961	70 2.756	66 2.598	45 1.772	10*65
65 x 32 2 1/2 x 1 1/4	73.0 x 42.4 2.875 x 1.660	300 2.07	46 1.811	126 4.961	78 3.071	66 2.598	45 1.772	10*65
65 x 40 2 1/2 x 1 1/2	73.0 x 48.3 2.875 x 1.900	300 2.07	46 1.811	126 4.961	78 3.071	66 2.598	45 1.772	10*65
65 x 15 3OD x 1/2	73.0 x 21.3 3.000 x 0.825	300 2.07	38 1.496	130 5.118	70 2.756	67 2.638	47 1.850	10*65
65 x 20 3OD x 3/4	73.0 x 26.9 3.000 x 1.050	300 2.07	38 1.496	130 5.118	70 2.756	67 2.638	47 1.850	10*65
65 x 25 3OD x 1	73.0 x 33.7 3.000 x 1.315	300 2.07	38 1.496	130 5.118	70 2.756	67 2.638	47 1.850	10*65
65 x 32 3OD x 1 1/4	73.0 x 42.4 3.000 x 1.660	300 2.07	46 1.811	130 5.118	78 3.031	69 2.717	47 1.850	10*65
65 x 40 3OD x 1 1/2	73.0 x 48.3 3.000 x 1.900	300 2.07	46 1.811	130 5.118	78 3.031	69 2.717	47 1.850	10*65
80 x 15 3 x 1/2	88.9 x 21.3 3.500 x 0.825	300 2.07	38 1.496	148 5.827	72 2.835	75 2.953	54 2.126	12*75
80 x 20 3 x 3/4	88.9 x 26.9 3.500 x 1.050	300 2.07	38 1.496	148 5.827	72 2.835	75 2.953	54 2.126	12*75
80 x 25 3 x 1	88.9 x 33.7 3.500 x 1.315	300 2.07	38 1.496	148 5.827	72 2.835	75 2.953	54 2.126	12*75
80 x 32 3 x 1 1/4	88.9 x 42.4 3.500 x 1.660	300 2.07	51 2.008	148 5.827	87 3.425	75 2.953	54 2.126	12*75
80 x 40 3 x 1 1/2	88.9 x 48.3 3.500 x 1.900	300 2.07	51 2.008	148 5.827	87 3.425	75 2.953	54 2.126	12*75
80 x 50 3 x 2	88.9 x 60.3 3.500 x 2.375	300 2.07	64 2.520	148 5.827	100 3.937	79 3.110	54 2.126	12*75
100 x 15 4 x 1/2	114.3 x 21.3 4.500 x 0.825	300 2.07	38 1.496	177 6.969	72 2.835	87 3.425	67 2.638	12*75
100 x 20 4 x 3/4	114.3 x 26.9 4.500 x 1.050	300 2.07	38 1.496	177 6.969	72 2.835	87 3.425	67 2.638	12*75
100 x 25 4 x 1	114.3 x 33.7 4.500 x 1.315	300 2.07	38 1.496	177 6.969	72 2.835	87 3.425	67 2.638	12*75
100 x 32 4 x 1 1/4	114.3 x 42.4 4.500 x 1.660	300 2.07	46 1.811	177 6.969	87 3.425	87 3.425	67 2.638	12*75
100 x 40 4 x 1 1/2	114.3 x 48.3 4.500 x 1.900	300 2.07	46 1.811	177 6.969	87 3.425	87 3.425	67 2.638	12*75
100 x 50 4 x 2	114.3 x 60.3 4.500 x 2.375	300 2.07	64 2.520	177 6.969	102 4.016	93 3.661	67 2.638	12*75
100 x 65 4 x 2 1/2	114.3 x 73.0 4.500 x 2.875	300 2.07	70 2.756	177 6.969	110 4.331	97 3.819	67 2.638	12*75
100 x 80 4 x 3	114.3 x 88.9 4.500 x 3.500	300 2.07	89 3.504	177 6.969	131 5.157	97 3.819	67 2.638	12*75
125 x 15 5 x 1/2	139.7 x 21.3 5.500 x 0.825	300 2.07	38 1.496	210 8.268	88 3.465	100 3.937	79 3.110	16*100
125 x 20 5 x 3/4	139.7 x 26.9 5.500 x 1.050	300 2.07	38 1.496	210 8.268	88 3.465	100 3.937	79 3.110	16*100
125 x 25 5 x 1	139.7 x 33.7 5.500 x 1.315	300 2.07	38 1.496	210 8.268	88 3.465	100 3.937	79 3.110	16*100
125 x 32 5 x 1 1/4	139.7 x 42.4 5.500 x 1.660	300 2.07	51 2.008	210 8.268	103 4.055	105 4.134	79 3.110	16*100
125 x 40 5 x 1 1/2	139.7 x 48.3 5.500 x 1.900	300 2.07	51 2.008	210 8.268	103 4.055	105 4.134	79 3.110	16*100
125 x 50 5 x 2	139.7 x 60.3 5.500 x 2.375	300 2.07	64 2.520	210 8.268	110 4.331	111 4.370	79 3.110	16*100
125 x 65 5 1/2 OD x 3OD	139.7 x 88.9 5.500 x 3.500	300 2.07	89 3.504	210 8.268	131 5.157	114 4.488	79 3.110	16*100
150 x 25 6 1/2 OD x 1	165.1 x 33.7 6.500 x 1.315	300 2.07	38 1.496	239 9.409	75 2.953	112 4.409	91 3.583	16*110

XGQT3S Mechanical Tee Threaded Outlet



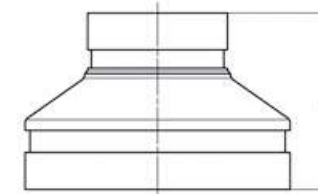
Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Hole Dia mm/in +1.6,0/ +0.063,0	Dimension mm/in				Bolt Size
				A	B	C	D	
150x32	165.1x42.4	300	51	236	89	112	91	16"110
6% OD x 1 1/4	6.500 x 1.660	2.07	2.008	9.291	3.504	4.409	3.583	
150x40	165.1x48.3	300	51	236	89	112	91	
6% OD x 1 1/2	6.500 x 1.900	2.07	2.008	9.291	3.504	4.409	3.583	16"110
150x50	165.1x60.3	300	64	236	103	117	91	16"110
6% OD x 2	6.500 x 2.375	2.07	2.520	9.291	4.055	4.806	3.583	
150x65	165.1x73.0	300	70	236	111	122	91	
6% OD x 2 1/4	6.500 x 2.875	2.07	2.756	9.291	4.370	4.803	3.583	16"110
150x80	165.1x88.9	300	70	236	111	122	91	16"110
6% OD x 3OD	6.500 x 3.000	2.07	2.756	9.291	4.370	4.803	3.583	
150x80	165.1x88.9	300	89	236	131	123	91	
6% OD x 3	6.500 x 3.500	2.07	3.504	9.291	5.157	4.843	3.583	16"110
150x100	165.1x114.3	300	114	236	160	123	91	16"110
6% OD x 4	6.500 x 5.563	2.07	4.488	9.291	6.299	4.843	3.583	
150x25	168.3x33.7	300	38	239	76	120	93	
6 x 1	6.625 x 1.315	2.07	1.496	9.409	2.992	4.724	3.661	16"110
150x32	168.3x42.4	300	51	239	89	120	93	16"110
6 x 1 1/4	6.625 x 1.660	2.07	2.008	9.409	3.504	4.724	3.661	
150x40	168.3x48.3	300	51	239	89	120	93	
6 x 1 1/2	6.625 x 1.900	2.07	2.008	9.409	3.504	4.724	3.661	16"110
150x50	168.3x60.3	300	64	239	103	120	93	16"110
6 x 2	6.625 x 2.375	2.07	2.520	9.409	4.055	4.724	3.661	
150x65	168.3x 73	300	70	239	111	125	93	
6 x 2 1/4	6.625 x 2.875	2.07	2.756	9.409	4.370	4.921	3.661	16"110
150x80	168.3x 76.1	300	70	239	111	125	93	16"110
6 x 3OD	6.625 x 3.000	2.07	2.756	9.409	4.370	4.921	3.661	
150x80	168.3x 88.9	300	89	239	131	125	93	
6 x 3	6.625 x 3.500	2.07	3.504	9.409	5.157	4.921	3.661	16"110
150x100	168.3x114.3	300	114	239	160	125	93	16"110
6 x 4	6.625 x 4.500	2.07	4.488	9.409	6.299	4.921	3.661	
200 x 25	219.1x33.7	300	38	303	81	148	121	
8 x 1	6.625 x 1.315	2.07	1.496	11.929	3.189	5.827	4.764	16"110
200 x 32	219.1x42.4	300	51	303	93	148	121	16"110
8 x 1 1/4	6.625 x 1.660	2.07	2.008	11.929	3.661	5.827	4.764	
200 x 40	219.1x48.3	300	51	303	93	148	121	
8 x 1 1/2	6.625 x 1.900	2.07	2.008	11.929	3.661	5.827	4.764	16"110
200 x 50	219.1x60.3	300	64	303	110	148	121	16"110
8 x 2	6.625 x 2.375	2.07	2.520	11.929	4.331	5.827	4.764	
200 x 65	219.1x73	300	70	303	118	155	121	
8 x 2 1/4	6.625 x 2.875	2.07	2.756	11.929	4.646	6.102	4.764	16"110
200 x 65	219.1x76.1	300	70	303	118	155	121	16"110
8 x 3OD	6.625 x 3.000	2.07	2.756	11.929	4.646	6.102	4.764	
200 x 80	219.1x88.9	300	89	303	138	155	121	
8 x 3	6.625 x 3.500	2.07	3.504	11.929	5.433	6.102	4.764	16"110
200 x 100	219.1x114.3	300	114	303	165	155	121	16"110
8 x 4	6.625 x 4.500	2.07	4.488	11.929	6.496	6.102	4.764	
200 x 125	219.1x142.4	300	114	303	165	155	121	

XGQT13 Grooved Reducing Tee



Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in
50x25 2x1	60.3x33.7 2.375x1.315	300 2.07	70 2.756
50x32 2x1 1/4	60.3x42.4 2.375x1.660	300 2.07	
50x40 2x1 1/2	60.3x48.3 2.375x1.900	300 2.07	
65x25 2 1/2x1	73.0x33.7 2.875x1.315	300 2.07	
65x32 2 1/2x1 1/4	73.0x42.4 2.875x1.660	300 2.07	76 2.992
65x40 2 1/2x1 1/2	73.0x48.3 2.875x1.900	300 2.07	
65x50 2 1/2x2	73.0x60.3 2.875x2.375	300 2.07	
65x65 3x2	76.1x33.7 3.000x1.315	300 2.07	
65x80 3x2 1/2	76.1x42.4 3.000x1.660	300 2.07	86 3.386
65x100 3x3	76.1x48.3 3.000x1.900	300 2.07	
65x125 3x4	76.1x60.3 3.000x2.375	300 2.07	
80x25 3x1	88.9x33.7 3.500x1.315	300 2.07	
80x32 3x1 1/4	88.9x42.4 3.500x1.660	300 2.07	102 4.016
80x40 3x1 1/2	88.9x48.3 3.500x1.900	300 2.07	
80x50 3x2	88.9x60.3 3.500x2.375	300 2.07	
80x65 3x2 1/2	88.9x73.0 3.500x2.875	300 2.07	
80x80 3x3	88.9x80.3 3.500x3.000	300 2.07	122 4.803
80x100 3x4	88.9x96.3 3.500x3.500	300 2.07	
100x25 4x1	108.0x33.7 4.250x1.315	300 2.07	
100x32 4x1 1/4	108.0x42.4 4.250x1.660	300 2.07	
100x40 4x1 1/2	108.0x48.3 4.250x1.900	300 2.07	122 4.803
100x50 4x2	108.0x60.3 4.250x2.375	300 2.07	
100x65 4x2 1/2	108.0x73.0 4.250x2.875	300 2.07	
100x80 4x3	108.0x80.3 4.250x3.000	300 2.07	
100x100 4x4	108.0x96.3 4.250x3.500	300 2.07	122 4.803
125x25 5x1	125.0x33.7 5.000x1.315	300 2.07	
125x32 5x1 1/4	125.0x42.4 5.000x1.660	300 2.07	
125x40 5x1 1/2	125.0x48.3 5.000x1.900	300 2.07	

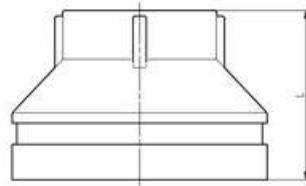
XGQT07 Grooved Concentric Reducer



Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in
32x25 1x1	42.4x33.7 1.660x1.315	350 2.5	64 2.520
40x25 1 1/4x1	48.3x33.7 1.900x1.315	350 2.5	
40x32 1 1/2x1	48.3x42.4 1.900x1.660	350 2.5	
50x32 2x1 1/4	60.3x42.4 2.375x1.660	350 2.5	
50x40 2x1 1/2	60.3x48.3 2.375x1.900	350 2.5	64 2.520
65x25 2 1/2x1	73.0x33.7 2.875x1.315	350 2.5	
65x32 2 1/2x1 1/4	73.0x42.4 2.875x1.660	350 2.5	
65x40 2 1/2x1 1/2	73.0x48.3 2.875x1.900	350 2.5	
80x25 3x1	88.9x33.7 3.500x1.315	350 2.5	76 2.992
80x32 3x1 1/4	88.9x42.4 3.500x1.660	350 2.5	
80x40 3x1 1/2	88.9x48.3 3.500x1.900	350 2.5	
80x50 3x2	88.9x60.3 3.500x2.375	350 2.5	
80x65 3x2 1/2	88.9x73.0 3.500x2.875	350 2.5	89 3.504
80x80 3x3	88.9x80.3 3.500x3.000	350 2.5	
100x25 4x1	108.0x33.7 4.250x1.315	350 2.5	
100x32 4x1 1/4	108.0x42.4 4.250x1.660	350 2.5	

Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in
125x50 5x2	141.3x60.3 5.563x2.375	300 2.07	122 4.803
125x65 5x2 1/2	141.3x73.0 5.563x2.875	300 2.07	
125x80 5x3	141.3x88.9 5.563x3.500	300 2.07	
125x100 5x4	141.3x108.0 5.563x4.250	300 2.07	
125x125 5x5	141.3x125.0 5.563x4.900	300 2.07	140 5.512
150x50 5x3 1/2	168.3x60.3 6.625x2.375	300 2.07	
150x65 5x4 1/2	168.3x73.0 6.625x2.875	300 2.07	
150x80 5x5 1/2	168.3x88.9 6.625x3.500	300 2.07	
150x100 5x6 1/2	168.3x108.0 6.625x4.250	300 2.07	175 6.890
150x125 5x7 1/2	168.3x125.0 6.625x4.900	300 2.07	
150x150 5x8 1/2	168.3x150.0 6.625x5.500	300 2.07	
150x175 5x9 1/2	168.3x175.0 6.625x6.125	300 2.07	
150x200 5x10	168.3x200.0 6.625x6.750	300 2.07	215 8.465
150x225 5x11 1/2	168.3x225.0 6.625x7.375	300 2.07	
150x250 5x12 1/2	168.3x250.0 6.625x8.000	300 2.07	
150x275 5x13 1/2	168.3x275.0 6.625x8.625	300 2.07	
150x300 5x14	168.3x300.0 6.625x9.250	300 2.07	245 9.646
150x325 5x15 1/2	168.3x325.0 6.625x9.875	300 2.07	
150x350 5x16 1/2	168.3x350.0 6.625x10.500	300 2.07	
150x375 5x17 1/2	168.3x375.0 6.625x11.125	300 2.07	
150x400 5x18 1/2	168.3x400.0 6.625x11.750	300 2.07	285 11.217
150x425 5x19 1/2	168.3x425.0 6.625x12.375	300 2.07	
150x450 5x20 1/2	168.3x450.0 6.625x13.000	300 2.07	
150x475 5x21 1/2	168.3x475.0 6.625x13.625	300 2.07	
150x500 5x22 1/2	168.3x500.0 6.625x14.250	300 2.07	315 12.382
150x525 5x23 1/2	168.3x525.0 6.625x14.875	300 2.07	
150x550 5x24 1/2	168.3x550.0 6.625x15.500	300 2.07	
150x575 5x25 1/2	168.3x575.0 6.625x16.125	300 2.07	
150x600 5x26 1/2	168.3x600.0 6.625x16.750	300 2.07	355 13.976
150x625 5x27 1/2	168.3x625.0 6.625x17.375	300 2.07	
150x650 5x28 1/2	168.3x650.0 6.625x18.000	300 2.07	
150x675 5x29 1/2	168.3x675.0 6.625x18.625	300 2.07	
150x700 5x30	168.3x700.0 6.625x19.250	300 2.07	395 15.551
150x725 5x31 1/2	168.3x725.0 6.625x19.875	300 2.07	
150x750 5x32 1/2	168.3x750.0 6.625x20.500	300 2.07	
150x775 5x33 1/2	168.3x775.0 6.625x21.125	300 2.07	
150x800 5x34 1/2	168.3x800.0 6.625x21.750	300 2.07	435 17.126
150x825 5x35 1/2	168.3x825.0 6.625x22.375	300 2.07	
150x850 5x36 1/2	168.3x850.0 6.625x23.000	300 2.07	
150x875 5x37 1/2	168.3x875.0 6.625x23.625	300 2.07	
150x900 5x38 1/2	168.3x900.0 6.625x24.250	300 2.07	475 18.701
150x925 5x39 1/2	168.3x925.0 6.625x24.875	300 2.07	
150x950 5x40 1/2	168.3x950.0 6.625x25.500	300 2.07	
150x975 5x41 1/2	168.3x975.0 6.625x26.125	300 2.07	
150x1000 5x42 1/2	168.3x1000.0 6.625x26.750	300 2.07	515 20.276
150x1025 5x43 1/2	168.3x1025.0 6.625x27.375	300 2.07	
150x1050 5x44 1/2	168.3x1050.0 6.625x28.000	300 2.07	
150x1075 5x45 1/2	168.3x1075.0 6.625x28.625	300 2.07	
150x1100 5x46 1/2	168.3x1100.0 6.625x29.250	300 2.07	555 21.851
150x1125 5x47 1/2	168.3x1125.0 6.625x29.875	300 2.07	
150x1150 5x48 1/2	168.3x1150.0 6.625x30.500	300 2.07	
150x1175 5x49 1/2	168.3x1175.0 6.625x31.125	300 2.07	
150x1200 5x50	168.3x1200.0 6.625x31.750	300 2.07	595 23.426
150x1225 5x51 1/2	168.3x1225.0 6.625x32.375	300 2.07	
150x1250 5x52 1/2	168.3x1250.0 6.625x33.000	300 2.07	
150x1275 5x53 1/2	168.3x1275.0 6.625x33.625	300 2.07	
150x1300 5x54 1/2	168.3x1300.0 6.625x34.250	300 2.07	635 25.001
150x1325 5x55 1/2	168.3x1325.0 6.625x34.875	300 2.07	
150x1350 5x56 1/2	168.3x1350.0 6.625x35.500	300 2.07	
150x1375 5x57 1/2	168.3x1375.0 6.625x36.125	300 2.07	
150x1400 5x58 1/2	168.3x1400.0 6.625x36.750	300 2.07	675 26.576
150x1425 5x59 1/2	168.3x1425.0 6.625x37.375	300 2.07	
150x1450 5x60 1/2	168.3x1450.0 6.625x38.000	300 2.07	
150x1475 5x61 1/2	168.3x1475.0 6.625x38.625	300 2.07	
150x1500 5x62 1/2	168.3x1500.0 6.625x39.250	300 2.07	715 28.151
150x1525 5x63 1/2	168.3x1525.0 6.625x39.875	300 2.07	
150x1550 5x64 1/2	168.3x1550.0 6.625x40.500	300 2.07	
150x1575 5x65 1/2	168.3x1575.0 6.625x41.125	300 2.07	
150x1600 5x66 1/2	168.3x1600.0 6.625x41.750	300 2.07	755 29.726
150x1625 5x67 1/2	168.3x1625.0 6.625x42.375	300 2.07	
150x1650 5x68 1/2	168.3x1650.0 6.625x43.000	300 2.07	
150x1675 5x69 1/2	168.3x1675.0 6.625x43.625	300 2.07	
150x1700 5x70	168.3x1700.0 6.625x44.250	300 2.07	795 31.301
150x1725 5x71 1/2	168.3x1725.0 6.625x44.875	300 2.07	
150x1750 5x72 1/2	168.3x1750.0 6.625x45.500	300 2.07	
150x1775 5x73 1/2	168.3x1775.0 6.625x46.125	300 2.07	
150x1800 5x74 1/2	168.3x1800.0 6.625x46.750	300 2.07	835 32.876
150x1825 5x75 1/2	168.3x1825.0 6.625x47.375	300 2.07	
150x1850 5x76 1/2	168.3x1850.0 6.625x48.000	300 2.07	
150x1875 5x77 1/2	168.3x1875.0 6.625x48.625	300 2.07	
150x1900 5x78 1/2	168.3x1900.0 6.625x49.250	300 2.07	875 34.451
150x1925 5x79 1/2	168.3x1925.0 6.625x49.875	300 2.07	
150x1950 5x80 1/2	168.3x1950.0 6.625x50.500	300 2.07	
150x1975 5x81 1/2	168.3x1975.0 6.625x51.125	300 2.07	
150x2000 5x82 1/2	168.3x2000.0 6.625x51.750	300 2.07	915 36.026
150x2025 5x83 1/2	168.3x2025.0 6.625x52.375	300 2.07	
150x2050 5x84 1/2	168.3x2050.0 6.625x53.000	300 2.07	
150x2075 5x85 1/2	168.3x2075.0 6.625x53.625	300 2.07	
150x2100 5x86 1/2	168.3x2100.0 6.625x54.250	300 2.07	955 37.601
150x2125 5x87 1/2	168.3x2125.0 6.625x54.875	300 2.07	
150x2150 5x88 1/2	168.3x2150.0 6.625x55.500	300 2.07	
150x2175 5x89 1/2	168.3x2175.0 6.625x56.125	300 2.07	
150x2200 5x90	168.3x2200.0 6.625x56.750	300 2.07	995 39.176
150x2225 5x91 1/2	168.3x2225.0 6.625x57.375	300 2.07	
150x2250 5x92 1/2	168.3x2250.0 6.625x58.000	300 2.07	
150x2275 5x93 1/2	168.3x2275.0 6.625x58.625	300 2.07	
150x2300 5x94 1/2	168.3x2300.0 6.625x59.250	300 2.07	

XGQT07S Threaded Concentric Reducer



Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/Mpa	Dimension L mm/in
50x15 2 x 1/2	60.3x21.3 2.375 x 0.825	350 2.5	64 2.520
50x20 2 x 3/4	60.3x26.9 2.375 x 1.050	350 2.5	
50x25 2 x 1	60.3x33.7 2.375 x 1.315	350 2.5	
50x32 2 x 1 1/4	60.3x42.4 2.375 x 1.660	350 2.5	
50x40 2 x 1 1/2	60.3x48.3 2.375 x 1.900	350 2.5	
65x15 2 1/4 x 1/2	73.0x21.3 2.875 x 0.825	350 2.5	
65x20 2 1/4 x 3/4	73.0x26.9 2.875 x 1.050	350 2.5	
65x25 2 1/4 x 1	73.0x33.7 2.875 x 1.315	350 2.5	
65x32 2 1/4 x 1 1/4	73.0x42.4 2.875 x 1.660	350 2.5	
65x40 2 1/4 x 1 1/2	73.0x48.3 2.875 x 1.900	350 2.5	
65x50 2 1/2 x 2	73.0x60.3 2.875 x 2.375	350 2.5	
65x15 3 OD x 1/2	76.1x21.3 3.000 x 0.825	350 2.5	
65x20 3 OD x 3/4	76.1x26.9 3.000 x 1.050	350 2.5	
65x25 3 OD x 1	76.1x33.7 3.000 x 1.315	350 2.5	
65x32 3 OD x 1 1/4	76.1x42.4 3.000 x 1.660	350 2.5	
65x40 3 OD x 1 1/2	76.1x48.3 3.000 x 1.900	350 2.5	
65x50 3 OD x 2	76.1x60.3 3.000 x 2.375	350 2.5	
80x15 3 x 1/2	88.9x21.3 3.500 x 0.825	350 2.5	

Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/Mpa	Dimension L mm/in
80x20 3 x 3/4	88.9x26.9 3.500 x 1.050	350 2.5	64 2.520
80x25 3 x 1	88.9x33.7 3.500 x 1.315	350 2.5	
80x32 3 x 1 1/4	88.9x42.7 3.500 x 1.660	350 2.5	
80x40 3 x 1 1/2	88.9x48.3 3.500 x 1.900	350 2.5	
80x50 3 x 2	88.9x60.3 3.500 x 2.375	350 2.5	
80x65 3 x 2 1/2	88.9x73.0 3.500 x 2.875	350 2.5	
80x85 3 x 3 OD	88.9x76.1 3.500 x 3.000	350 2.5	
100x25 4 x OD x 1	108.0x33.7 4.250 x 1.315	350 2.5	
100x32 4 x OD x 1 1/4	108.0x42.4 4.250 x 1.660	350 2.5	
100x40 4 x OD x 1 1/2	108.0x48.3 4.250 x 1.900	350 2.5	
100x50 4 x OD x 2	108.0x60.3 4.250 x 2.375	350 2.5	
100x65 4 x OD x 2 1/2	108.0x73.0 4.250 x 2.875	350 2.5	
100x85 4 x OD x 3 OD	108.0x76.1 4.250 x 3.000	350 2.5	76 2.992
100x100 4 x 1	108.0x88.9 4.250 x 3.500	350 2.5	
100x15 4 x 1 1/2	114.3x21.3 4.500 x 0.825	350 2.5	
100x20 4 x 3/4	114.3x26.9 4.500 x 1.050	350 2.5	
100x25 4 x 1	114.3x33.7 4.500 x 1.315	350 2.5	
100x32 4 x 1 1/4	114.3x42.4 4.500 x 1.660	350 2.5	

Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/Mpa	Dimension L mm/in
100x40 4 x 1 1/2	114.3x48.3 4.500 x 1.900	350 2.5	76 2.992
100x50 4 x 2	114.3x60.3 4.500 x 2.315	350 2.5	
100x65 4 x 2 1/2	114.3x73.0 4.500 x 2.875	350 2.5	
100x85 4 x 3 OD	114.3x88.9 4.500 x 3.500	350 2.5	
125x15 5 1/4 OD x 1/2	133.0x21.3 5.250 x 0.825	350 2.5	
125x20 5 1/4 OD x 3/4	133.0x26.9 5.250 x 1.050	350 2.5	
125x25 5 1/4 OD x 1	133.0x33.7 5.250 x 1.315	350 2.5	
125x32 5 1/4 OD x 1 1/4	133.0x42.4 5.250 x 1.660	350 2.5	
125x40 5 1/4 OD x 1 1/2	133.0x48.3 5.250 x 1.900	350 2.5	
125x50 5 1/4 OD x 2	133.0x60.3 5.250 x 2.315	350 2.5	
125x65 5 1/4 OD x 2 1/2	133.0x73.0 5.250 x 2.875	350 2.5	
125x85 5 1/4 OD x 3 OD	133.0x88.9 5.250 x 3.500	350 2.5	89 3.504
125x100 5 1/4 OD x 4	133.0x114.3 5.250 x 4.500	350 2.5	
150x15 6 1/2 OD x 1/2	159.0x21.3 6.250 x 0.825	350 2.5	
150x20 6 1/2 OD x 3/4	159.0x26.9 6.250 x 1.050	350 2.5	
150x25 6 1/2 OD x 1	159.0x33.7 6.250 x 1.315	350 2.5	
150x32 6 1/2 OD x 1 1/4	159.0x42.4 6.250 x 1.660	350 2.5	
150x40 6 1/2 OD x 1 1/2	159.0x48.3 6.250 x 1.900	350 2.5	
150x50 6 1/2 OD x 2	159.0x60.3 6.250 x 2.315	350 2.5	
150x65 6 1/2 OD x 2 1/2	159.0x73.0 6.250 x 2.875	350 2.5	
150x85 6 1/2 OD x 3 OD	159.0x88.9 6.250 x 3.500	350 2.5	
150x100 6 1/2 OD x 4	159.0x114.3 6.250 x 4.500	350 2.5	102 4.016
150x15 6 3/4 OD x 1/2	168.3x21.3 6.625 x 0.825	350 2.5	
150x20 6 3/4 OD x 3/4	168.3x26.9 6.625 x 1.050	350 2.5	
150x25 6 3/4 OD x 1	168.3x33.7 6.625 x 1.315	350 2.5	
150x32 6 3/4 OD x 1 1/4	168.3x42.4 6.625 x 1.660	350 2.5	
150x40 6 3/4 OD x 1 1/2	168.3x48.3 6.625 x 1.900	350 2.5	
150x50 6 3/4 OD x 2	168.3x60.3 6.625 x 2.315	350 2.5	
150x65 6 3/4 OD x 2 1/2	168.3x73.0 6.625 x 2.875	350 2.5	
150x85 6 3/4 OD x 3 OD	168.3x88.9 6.625 x 3.500	350 2.5	
150x100 6 3/4 OD x 4	168.3x114.3 6.625 x 4.500	350 2.5	
150x15 7 1/4 OD x 1/2	182.7x21.3 7.1875 x 0.825	350 2.5	
150x20 7 1/4 OD x 3/4	182.7x26.9 7.1875 x 1.050	350 2.5	

Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/Mpa	Dimension L mm/in
125x32 5 1/4 OD x 1 1/4	139.7x42.4 5.500 x 1.660	350 2.5	89 3.504
125x40 5 1/4 OD x 1 1/2	139.7x48.3 5.500 x 1.900	350 2.5	
125x50 5 1/4 OD x 2	139.7x60.3 5.500 x 2.315	350 2.5	
125x65 5 1/4 OD x 2 1/2	139.7x73.0 5.500 x 2.875	350 2.5	
125x85 5 1/4 OD x 3 OD	139.7x88.9 5.500 x 3.500	350 2.5	
125x100 5 1/4 OD x 4	139.7x114.3 5.500 x 4.500	350 2.5	
150x15 6 1/2 OD x 1/2	159.0x21.3 6.250 x 0.825	350 2.5	
150x20 6 1/2 OD x 3/4	159.0x26.9 6.250 x 1.050	350 2.5	
150x25 6 1/2 OD x 1	159.0x33.7 6.250 x 1.315	350 2.5	
150x32 6 1/2 OD x 1 1/4	159.0x42.4 6.250 x 1.660	350 2.5	
150x40 6 1/2 OD x 1 1/2	159.0x48.3 6.250 x 1.900	350 2.5	
150x50 6 1/2 OD x 2	159.0x60.3 6.250 x 2.315	350 2.5	
150x65 6 1/2 OD x 2 1/2	159.0x73.0 6.250 x 2.875	350 2.5	102 4.016
150x85 6 1/2 OD x 3 OD	159.0x88.9 6.250 x 3.500	350 2.5	
150x100 6 1/2 OD x 4	159.0x114.3 6.250 x 4.500	350 2.5	
150x15 7 1/4 OD x 1/2	182.7x21.3 7.1875 x 0.825	350 2.5	
150x20 7 1/4 OD x 3/4	182.7x26.9 7.1875 x 1.050	350 2.5	
150x25 7 1/4 OD x 1	182.7x33.7 7.1875 x 1.315	350 2.5	
150x32 7 1/4 OD x 1 1/4	182.7x42.4 7.1875 x 1.660	350 2.5	
150x40 7 1/4 OD x 1 1/2	182.7x48.3 7.1875 x 1.900	350 2.5	
150x50 7 1/4 OD x 2	182.7x60.3 7.1875 x 2.315	350 2.5	
150x65 7 1/4 OD x 2 1/2	182.7x73.0 7.1875 x 2.875	350 2.5	
150x85 7 1/4 OD x 3 OD	182.7x88.9 7.1875 x 3.500	350 2.5	
150x100 7 1/4 OD x 4	182.7x114.3 7.1875 x 4.500	350 2.5	

Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/Mpa	Dimension L mm/in
150x20 6 1/2 OD x 3/4	165.1x26.9 6.500 x 1.050	350 2.5	102 4.016
150x25 6 1/2 OD x 1	165.1x33.7 6.500 x 1.315	350 2.5	
150x32 6 1/2 OD x 1 1/4	165.1x42.4 6.500 x 1.660	350 2.5	
150x40 6 1/2 OD x 1 1/2	165.1x48.3 6.500 x 1.900	350 2.5	
150x50 6 1/2 OD x 2	165.1x60.3 6.500 x 2.315	350 2.5	
150x65 6 1/2 OD x 2 1/2	165.1x73.0 6.500 x 2.875	350 2.5	
150x85 6 1/2 OD x 3 OD	165.1x88.9 6.500 x 3.500	350 2.5	
150x100 6 1/2 OD x 4	165.1x114.3 6.500 x 4.500	350 2.5	
150x15 7 1/4 OD x 1/2	182.7x21.3 7.1875 x 0.825	350 2.5	
150x20 7 1/4 OD x 3/4	182.7x26.9 7.1875 x 1.050	350 2.5	
150x25 7 1/4 OD x 1	182.7x33.7 7.1875 x 1.315	350 2.5	
150x32 7 1/4 OD x 1 1/4	182.7x42.4 7.1875 x 1.660	350 2.5	
150x40 7 1/4 OD x 1 1/2	182.7x48.3 7.1875 x 1.900	350 2.5	127 5.000
150x50 7 1/4 OD x 2	182.7x60.3 7.1875 x 2.315	350 2.5	
150x65 7 1/4 OD x 2 1/2	182.7x73.0 7.1875 x 2.875	350 2.5	
150x85 7 1/4 OD x 3 OD	182.7x88.9 7.1875 x 3.500	350 2.5	
150x100 7 1/4 OD x 4	182.7x114.3 7.1875 x 4.500	350 2.5	
150x15 8 1/4 OD x 1/2	198.1x21.3 7.8125 x 0.825	350 2.5	
150x20 8 1/4 OD x 3/4	198.1x26.9 7.8125 x 1.050	350 2.5	
150x25 8 1/4 OD x 1	198.1x33.7 7.8125 x 1.315	350 2.5	
150x32 8 1/4 OD x 1 1/4	198.1x42.4 7.8125 x 1.660	350 2.5	
150x40 8 1/4 OD x 1 1/2	198.1x48.3 7.8125 x 1.900	350 2.5	
150x50 8 1/4 OD x 2	198.1x60.3 7.8125 x 2.315	350 2.5	
150x65 8 1/4 OD x 2 1/2	198.1x73.0 7.8125 x 2.875	350 2.5	
150x85 8 1/4 OD x 3 OD	198.1x88.9 7.8125 x 3.500	350 2.5	
150x100 8 1/4 OD x 4	198.1x114.3 7.8125 x 4.500	350 2.5	

Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/Mpa	Dimension L mm/in
150x100 6 x 4	168.3x114.3 6.625 x 4.500	350 2.5	102 4.016
200x25 8 x 1	219.1x33.7 8.625 x 1.315	350 2.5	
200x32 8 x 1 1/4	219.1x42.4 8.625 x 1.660	350 2.5	
200x40 8 x 1 1/2	219.1x48.3 8.625 x 1.900	350 2.5	
200x50 8 x 2	219.1x60.3 8.625 x 2.315	350 2.5	
200x65 8 x 2 1/2	219.1x73.0 8.625 x 2.875	350 2.5	
200x85 8 x 3 OD	219.1x88.9 8.625 x 3.500	350 2.5	
200x100 8 x 4	219.1x114.3 8.625 x 4.500	350 2.5	
250x15 9 1/4 OD x 1/2	254.0x21.3 10.000 x 0.825	350 2.5	127 5.000
250x20 9 1/4 OD x 3/4	254.0x26.9 10.000 x 1.050	350 2.5	
250x25 9 1/4 OD x 1	254.0x33.7 10.000 x 1.315	350 2.5	
250x32 9 1/4 OD x 1 1/4	254.0x42.4 10.000 x 1.660	350 2.5	
250x40 9 1/4 OD x 1 1/2	254.0x48.3 10.000 x 1.900	350 2.5	
250x50 9 1/4 OD x 2	254.0x60.3 10.000 x 2.315	350 2.5	
250x65 9 1/4 OD x 2 1/2	254.0x73.0 10.000 x 2.875	350 2.5	
250x85 9 1/4 OD x 3 OD	254.0x88.9 10.000 x 3.500	350 2.5	
250x100 9 1/4 OD x 4	254.0x114.3 10.000 x 4.500	350 2.5	
250x15 10 1/4 OD x 1/2	279.4x21.3 11.000 x 0.825	350 2.5	
250x20 10 1/4 OD x 3/4	279.4x26.9 11.000 x 1.050	350 2.5	
250x25 10 1/4 OD x 1	279.4x33.7 11.000 x 1.315	350 2.5	

Installation Instruction For Rigid & Flexible Coupling



1.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.



2.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.



Installation Instruction For Threaded & Grooved Mechanical Tee



1. 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.



2. Remove burrs

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



3. 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.



4. Alignment

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



5. Tighten nuts

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



6. Assembly completed

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

Caution

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	—	—	
7/8	—	—	

Installation Instruction For Grooved Flange



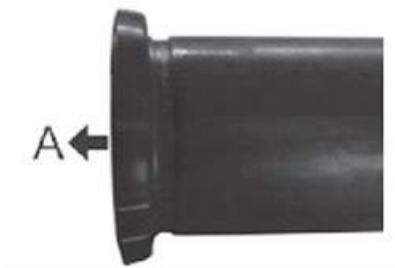
1. Pipe preparation

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



2. 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.



3. Gasket installation

Slip the gasket over pipe end, with the gasket opening side towards 'A'. Make sure the gasket sealing lip is even with pipe end.



4. Housing installation

Remove bolts and nuts, place two housings over the gasket, making sure the housing keys fit into the pipe grooves. Re-insert the bolts and hand tighten the nuts.



5. Tighten nuts

Securely tighten nuts alternatively and equally to the specified bolt torque by using spanner.



6. Connect mating flange

Align flange bolt holes with mating flange (or valve) bolt holes. Insert a standard flange bolt through bolt hole and hand tighten a nut. Insert another bolt opposite the first and hand tighten a nut. Continue this until all bolt holes are fitted. Tighten nuts evenly to specified bolt torque, so flange faces remain parallel. Assembly completed.

Caution

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
M10	30-45	40-60
M12	80-100	110-135
M16	—	—
M20	—	—
M22	—	—
M24	—	—

GASKET DATA



Gasket	Name	Temperature Range	General Service Recommendations	Color Mark
E	EPDM	-34~+110°C (-30~+230°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°C) and hot +180°F (+82°C) potable water service. Not recommended for petroleum service.	Green Strip
D	NBR	-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
S	Silicon Rubber	-40~+177°C (-40~+350°F)	Recommended for high temperature dry air and some high temperature chemical products.	White

Bolts and Nuts

Raw material of oval neck track bolts and hex nuts are taken as 35# steel, and its mechanical properties reach ISO 898-1 Gr.8.8. The bolts and nuts are electro zinc plated in a silver chromate color. The oval neck track bolts mate into the oval holes in the housing segments to allow for easy tightening using only a single wrench/spanner, safely and firmly.

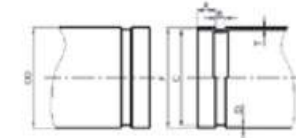


Bolt dimension	M10	M12	M16	M20	M22
Spanner dimension	15	18	24	30	34

Roll Groove Dimensions



Roll Grooving Machine



Nominal Size mm/in	Pipe OD		Gasket seat A ±0.76/±0.03 mm/in	Groove Width B ±0.76/±0.03 mm/in	Groove Dia C		Groove Depth D(ref) mm/in	Max Allow Flare Dia F mm/in	Min. Allow wall thickness T mm/in
	Basic mm/in	Tolerance mm/in			Basic mm/in	Tolerance mm/in			
25 1	33.7 1.327	+0.41 +0.016 -0.68 -0.026	15.88 0.625	7.14 0.281	30.23 1.190	-0.38 -0.015	1.60 0.063	34.5 1.358	1.8 0.071
32 1¼	42.4 1.669	+0.50 +0.020 -0.60 -0.023	15.88 0.625	7.14 0.281	38.99 1.535	-0.38 -0.015	1.60 0.063	43.3 1.705	1.8 0.071
40 1½	48.3 1.900	+0.44 +0.017 -0.52 -0.020	15.88 0.625	7.14 0.281	45.09 1.779	-0.38 -0.015	1.60 0.063	49.4 1.945	1.8 0.071
50 2	60.3 2.375	+0.61 +0.024 -0.61 -0.024	15.88 0.625	8.74 0.344	57.15 2.250	-0.38 -0.015	1.60 0.063	62.2 2.449	1.8 0.071
65 2½	73.0 2.875	+0.74 +0.029 -0.74 -0.029	15.88 0.625	8.74 0.344	69.09 2.720	-0.46 -0.018	1.98 0.078	75.2 2.961	2.3 0.091
80 3	88.9 3.500	+0.76 +0.030 -0.76 -0.030	15.88 0.625	8.74 0.344	72.26 2.845	-0.46 -0.018	1.98 0.078	77.7 3.059	2.3 0.091
100 4	108.0 4.250	+0.89 +0.035 -0.79 -0.031	15.88 0.625	8.74 0.344	84.94 3.344	-0.46 -0.018	1.98 0.078	90.6 3.567	2.3 0.091
125 5	133.0 5.250	+1.07 +0.042 -0.79 -0.031	15.88 0.625	8.74 0.344	103.73 4.084	-0.51 -0.020	2.11 0.083	109.7 4.319	2.3 0.091
150 6	158.8 6.250	+1.14 +0.045 -0.79 -0.031	15.88 0.625	8.74 0.344	110.08 4.334	-0.51 -0.020	2.11 0.083	116.2 4.575	2.3 0.091
200 8	219.1 8.625	+1.32 +0.052 -0.79 -0.031	15.88 0.625	8.74 0.344	129.13 5.084	-0.51 -0.020	2.11 0.083	134.9 5.311	2.9 0.114
250 10	267.4 10.528	+1.40 +0.055 -0.79 -0.031	15.88 0.625	8.74 0.344	135.48 5.334	-0.51 -0.020	2.11 0.083	141.7 5.579	2.9 0.114
300 12	323.9 12.750	+1.42 +0.056 -0.79 -0.031	15.88 0.625	8.74 0.344	137.03 5.395	-0.56 -0.022	2.13 0.084	143.5 5.650	2.9 0.114
350 14	377.0 14.842	+1.60 +0.063 -0.79 -0.031	15.88 0.625	8.74 0.344	154.50 6.083	-0.56 -0.022	2.16 0.085	161.0 6.339	2.9 0.114
400 16	426.0 16.772	+1.60 +0.063 -0.79 -0.031	15.88 0.625	8.74 0.344	160.8 6.330	-0.56 -0.022	2.16 0.085	167.1 6.579	2.9 0.114
500 20	529.0 20.827	+1.60 +0.063 -0.79 -0.031	15.88 0.625	8.74 0.344	163.96 6.455	-0.56 -0.022	2.16 0.085	170.7 6.720	2.9 0.114
600 24	635.0 25.000	+1.60 +0.063 -0.79 -0.031	19.05 0.750	11.91 0.469	211.60 8.331	-0.64 -0.025	2.35 0.093	219.8 8.653	2.9 0.114
700 28	762.0 30.000	+1.60 +0.063 -0.79 -0.031	19.05 0.750	11.91 0.469	214.40 8.441	-0.64 -0.025	2.34 0.092	221.5 8.720	2.9 0.114
800 32	889.0 35.000	+1.60 +0.063 -0.79 -0.031	19.05 0.750	11.91 0.469	262.60 10.339	-0.69 -0.027	2.40 0.095	270.9 10.665	3.6 0.142
900 36	1016.0 40.000	+1.60 +0.063 -0.79 -0.031	19.05 0.750	11.91 0.469	268.28 10.562	-0.69 -0.027	2.39 0.094	275.4 10.842	3.6 0.142
1000 40	1143.0 45.000	+1.60 +0.063 -0.79 -0.031	19.05 0.750	11.91 0.469	312.90 12.319	-0.76 -0.030	2.77 0.109	322.0 12.677	4.0 0.158
1200 48	1397.0 55.000	+1.60 +0.063 -0.79 -0.031	19.05 0.750	11.91 0.469	318.29 12.531	-0.76 -0.030	2.77 0.109	326.2 12.842	4.0 0.158
1400 56	1651.0 65.000	+1.60 +0.063 -0.79 -0.031	23.83 0.938	11.91 0.469	371.44 14.623	-0.76 -0.030	2.77 0.109	379.5 14.941	4.5 0.177
1600 64	1905.0 75.000	+1.60 +0.063 -0.79 -0.031	23.83 0.938	11.91 0.469	420.46 16.553	-0.76 -0.030	2.77 0.109	428.5 16.870	4.5 0.177
1800 72	2159.0 85.000	+1.60 +0.063 -0.79 -0.031	25.40 1.000	11.91 0.469	523.46 20.608	-0.76 -0.030	2.77 0.109	533.0 20.984	5.0 0.197



General Brass Fittings

General Brass Fittings

Male Securing

Code	Size	Pcs.
3451-sec-160000	ø16	250
3451-sec-200000	ø20	200
3451-sec-250000	ø25	100
3451-sec-320000	ø32	60
3451-sec-400000	ø40	35



Female Securing

Code	Size	Pcs.
3451-sef-160000	ø16	250
3451-sef-200000	ø20	200
3451-sef-250000	ø25	100
3451-sef-320000	ø32	60
3451-sef-400000	ø40	35



Securing

Code	Size	Pcs.
3451-see-160000	ø16	150
3451-see-200000	ø20	100
3451-see-250000	ø25	70
3451-see-320000	ø32	45
3451-see-400000	ø40	20



Coupling

Code	Size	Pcs.
3811-muf-0b0000	1/2"	200
3811-muf-0c0000	3/4"	150
3811-muf-100000	1"	80
3811-muf-1a0000	1 1/4"	45
3811-muf-1b0000	1 1/2"	36
3811-muf-200001	2"	18



General Brass Fittings

Nipple

Code	Size	Pcs.
3811-npl-0d0000	3/8"	500
3811-npl-0b0000	1/2"	300
3811-npl-0c0000	3/4"	200
3811-npl-100000	1"	100
3811-npl-1a0000	1 1/4"	60
3811-npl-1b0000	1 1/2"	36
3811-npl-200000	2"	25



Elbow Female / Female

Code	Size	Pcs.
3811-efo-0b0000	1/2"	125
3811-efo-0c0000	3/4"	65
3811-efo-100000	1"	35
3811-efo-1a0000	1 1/4"	20
3811-efo-1b0000	1 1/2"	20
3811-efo-200000	2"	12



Elbow Female / Male

Code	Size	Pcs.
3811-emo-0b0000	1/2"	120
3811-emo-0c0000	3/4"	80
3811-emo-100000	1"	40
3811-emo-1a0000	1 1/4"	20
3811-emo-1b0000	1 1/2"	15
3811-emo-200000	2"	10



Elbow Male / Male

Code	Size	Pcs.
3811-emm-0b0000	1/2"	100
3811-emm-0c0000	3/4"	80
3811-emm-100000	1"	45



General Brass Fittings

Reducing Coupling

Code	Size	Pcs.
3811-mur-0b0d00	3/8"	200
3811-mur-0c0b00	1/2"	150
3811-mur-100b00	1/2"	100
3811-mur-100c00	3/4"	100
3811-mur-1a0b00	1/2"	80
3811-mur-1a0c00	3/4"	80
3811-mur-1a1000	1"	80
3811-mur-1b1000	1"	50
3811-mur-1b1a00	1 1/4"	45
3811-mur-201000	1"	40
3811-mur-201a00	1 1/4"	30
3811-mur-201b00	1 1/2"	30



Reducing

Code	Size	Pcs.
3811-rdc-0a0b00	1/4"	400
3811-rdc-0d0b00	3/8"	400
3811-rdc-0b0c00	1/2"	300
3811-rdc-0b1000	1/2"	150
3811-rdc-0c1000	3/4"	150
3811-rdc-0b1a00	1/2"	70
3811-rdc-1a0c00	3/4"	80
3811-rdc-1a1000	1"	100
3811-rdc-0b1b00	1/2"	70
3811-rdc-0c1b00	3/4"	80
3811-rdc-1b1000	1"	65
3811-rdc-1b1a00	1 1/4"	65
3811-rdc-200b00	1/2"	35
3811-rdc-200c00	3/4"	35
3811-rdc-201000	1"	30
3811-rdc-1a2000	1 1/4"	40
3811-rdc-1b2000	1 1/2"	40



General Brass Fittings

Reducing Nipple

Code	Size	Pcs.
3811-rdn-0b0d00	12	300
3811-rdn-0c0d00	12	300
3811-rdn-0c0b00	16,5	200
3811-rdn-100b00	16,5	120
3811-rdn-100c00	21,5	100
3811-rdn-1a0b00	16,5	70
3811-rdn-1a0c00	21,5	70
3811-rdn-1a1000	26,5	60
3811-rdn-0b1b00	16,5	60
3811-rdn-0c1b00	21,5	50
3811-rdn-1b1000	26,5	60
3811-rdn-1b1a00	35	50
3811-rdn-200b00	16,5	40
3811-rdn-200c00	21,5	40
3811-rdn-201000	26,5	40
3811-rdn-201a00	35	32
3811-rdn-201b00	40,5	30



Invert Reducing

Code	Size	Pcs.
3811-ird-0c0b00	1/2"	200
3811-ird-100b00	1/2"	100
3811-ird-100c00	3/4"	100
3811-ird-1a0c00	3/4"	90
3811-ird-1a1000	1"	80
3811-ird-1b1000	1"	60
3811-ird-0b0d00	3/8"	250
3811-ird-1a0b00	1/2"	75
3811-ird-1b0b00	1/2"	80
3811-ird-1b0c00	3/4"	60
3811-ird-1b1a00	1 1/4"	60
3811-ird-201000	1"	40
3811-ird-201a00	1 1/4"	30
3811-ird-201b00	1 1/2"	25



General Brass Fittings

Wall Plate Elbow

Code	Size	Pcs.
3811-fle-0b0000	1/2"	120
3811-fle-0c0000	3/4"	50



Cross

Code	Size	Pcs.
3811-crs-0b0000	1/2"	80
3811-crs-0c0000	3/4"	50
3811-crs-100000	1"	25



Tee Female / Female / Female

Code	Size	Pcs.
3811-tfo-0b0000	1/2"	100
3811-tfo-0c0000	3/4"	50
3811-tfo-100000	1"	25
3811-tfo-1a0000	1 1/4"	18
3811-tfo-1b0000	1 1/2"	16
3811-tfo-200000	2"	8



Tee Female / Male / Female

Code	Size	Pcs.
3811-tfm-0b0000	1/2"	100
3811-tfm-0c0000	3/4"	60
3811-tfm-100000	1"	30



Tee Male / Male / Male

Code	Size	Pcs.
3811-tmo-0b0000	1/2"	80
3811-tmo-0c0000	3/4"	60
3811-tmo-100000	1"	30



General Brass Fittings

Tee Male / Male / Female

Code	Size	Pcs.
3811-tdm-0b0000	1/2"	80



Inegal Tee

Code	Size	Pcs.
3811-tio-0c0b0c	3/4"	60
3811-tio-100b10	1"	35
3811-tio-100c10	1"	35



Water Meter Union

Code	Size	Pcs.
3811-wmt-0c1000	3/4"	80



Union-Elbow

Code	Size	Pcs.
3811-tue-0b0000	1/2"	80
3811-tue-0c0000	3/4"	50
3811-tue-100000	1"	30
3811-tue-1a0000	1 1/4"	15



Union-Straight

Code	Size	Pcs.
3811-tun-0b0000	1/2"	150
3811-tun-0c0000	3/4"	80
3811-tun-100000	1"	40
3811-tun-1a0000	1 1/4"	25
3811-tun-160000	1 1/2"	20
3811-tun-200000	2"	16



General Brass Fittings

Male Stopend

Code	Size	Pcs.
3811-stm-0b0000	1/2"	400
3811-stm-0c0000	3/4"	250
3811-stm-100000	1"	170
3811-stm-1a0000	1 1/4"	80
3811-stm-1b0000	1 1/2"	75
3811-stm-200000	2"	30



Female Stopend

Code	Size	Pcs.
3811-stf-0d0000	3/8"	1050
3811-stf-0b0000	1/2"	500
3811-stf-0c0000	3/4"	250
3811-stf-100000	1"	150
3811-stf-1a0000	1 1/4"	120
3811-stf-1b0000	1 1/2"	90
3811-stf-200000	2"	50



Hose Connection - Male

Code	Size	Pcs.
3811-uch-0b0010	1/2"	250
3811-uch-0b0012	1/2"	300
3811-uch-0b0014	1/2"	250
3811-uch-0b0016	1/2"	250
3811-uch-0b0018	1/2"	250
3811-uch-0b0020	1/2"	200
3811-uch-0c0020	3/4"	150
3811-uch-100025	1"	80



Hose Connection - Female

Code	Size	Pcs.
3811-ucf-0b0010	1/2"	250
3811-ucf-0b0012	1/2"	250
3811-ucf-0b0014	1/2"	250
3811-ucf-0b0016	1/2"	200
3811-ucf-0b0018	1/2"	150
3811-ucf-0b0020	1/2"	150



General Brass Fittings

Nut with Flange

Code	Size	Pcs.
3811-fsm-0b0000	1/2"	500
3811-fsm-0c0000	3/4"	400
3811-fsm-100000	1"	250
3811-fsm-1a0000	1 1/4"	150
3811-fsm-1b0000	1 1/2"	100
3811-fsm-200000	2"	60



Tap Connection

Code	Size	Pcs.
3811-neb-0c0000	1/2"	200



Plated Connection to Wrench

Code	Size	Pcs.
3811-ext-0b0010	1/2"	300
3811-ext-0b0015	1/2"	250
3811-ext-0b0020	1/2"	200
3811-ext-0b0025	1/2"	150
3811-ext-0b0030	1/2"	150
3811-ext-0b0040	1/2"	120
3811-ext-0b0050	1/2"	100



Plated Connection - Chrome

Code	Size	Pcs.
3811-nex-0b0010	1/2"	300
3811-nex-0b0015	1/2"	300
3811-nex-0b0020	1/2"	250
3811-nex-0b0025	1/2"	200
3811-nex-0b0030	1/2"	200
3811-nex-0b0035	1/2"	150
3811-nex-0b0040	1/2"	150
3811-nex-0b0050	1/2"	100



General Brass Fittings

Tap Connection- Holed

Code	Size	Pcs.
3811-net-0b0000	1/2"	100



Tap Connection

Code	Size	Pcs.
3811-bet-0c0000	3/4"	80
3811-bel-0c0000	3/4"	100



Half Cross

Code	Size	Pcs.
3811-ned-0c0000	3/4"	75



Mini Union

Code	Size	Pcs.
3411-nff-160b01	1/2"	225



Male Return - Union

Code	Size	Pcs.
3411-nmf-160b00	ø16 x 1/2"	225



General Brass Fittings

Manifold - Blue - Light Type

Code	Size	A	L1	L	H	Pcs.
3312-vhf-100216	1" - 2 x Ø16	43	22,5	94	50,7	20
3312-vhf-100316	1" - 3 x Ø16	43	22,5	137	50,7	15
3312-vhf-100416	1" - 4 x Ø16	43	22,5	180	50,7	10
3312-vhf-100516	1" - 5 x Ø16	43	22,5	266	50,7	10
3312-vhf-100616	1" - 6 x Ø16	43	22,5	309	50,7	10
3312-vhf-100716	1" - 7 x Ø16	43	22,5	352	50,7	5
3312-vhf-100816	1" - 8 x Ø16	43	22,5	395	50,7	5
3312-vhf-100916	1" - 9 x Ø16	43	22,5	438	50,7	5
3312-vhf-101016	1" - 10 x Ø16	43	22,5	524	50,7	5
3312-vhf-101116	1" - 11 x Ø16	43	22,5	567	50,7	5
3312-vhf-101216	1" - 12 x Ø16	43	22,5	610	50,7	5
3312-vhf-101316	1" - 13 x Ø16	43	22,5	653	50,7	5



Manifold - Red - Light Type

Code	Size	A	L1	L	H	Pcs.
3313-vhf-100216	1" - 2 x Ø16	43	22,5	94	50,7	20
3313-vhf-100316	1" - 3 x Ø16	43	22,5	137	50,7	15
3313-vhf-100416	1" - 4 x Ø16	43	22,5	180	50,7	10
3313-vhf-100516	1" - 5 x Ø16	43	22,5	266	50,7	10
3313-vhf-100616	1" - 6 x Ø16	43	22,5	309	50,7	10
3313-vhf-100716	1" - 7 x Ø16	43	22,5	352	50,7	5
3313-vhf-100816	1" - 8 x Ø16	43	22,5	395	50,7	5
3313-vhf-100916	1" - 9 x Ø16	43	22,5	438	50,7	5
3313-vhf-101016	1" - 10 x Ø16	43	22,5	524	50,7	5
3313-vhf-101116	1" - 11 x Ø16	43	22,5	567	50,7	5
3313-vhf-101216	1" - 12 x Ø16	43	22,5	610	50,7	5
3313-vhf-101316	1" - 13 x Ø16	43	22,5	653	50,7	5



For Manifold Nipple

Code	Size	Pcs.
3391-npl-100000	1"	150



TS EN 1092-1 Standard Flanges

Size	Flat Flanges (Tip 01)					Lap Joint Flanges (Tip 02)				
	€					€				
DN	PN6	PN10	PN16	PN25	PN40	PN6	PN10	PN16	PN25	PN40
15	2,16 €	2,16 €	2,16 €	2,16 €	2,16 €	2,07 €	2,17 €	2,17 €	2,17 €	2,17 €
20	2,28 €	2,28 €	2,28 €	2,28 €	2,28 €	2,28 €	2,48 €	2,48 €	2,48 €	2,48 €
25	2,79 €	2,79 €	2,79 €	2,79 €	2,79 €	2,79 €	2,79 €	2,79 €	2,79 €	2,79 €
32	3,00 €	3,56 €	3,56 €	3,56 €	3,56 €	3,31 €	3,82 €	3,82 €	3,82 €	3,82 €
40	3,31 €	3,92 €	3,92 €	3,92 €	3,92 €	3,62 €	4,34 €	4,34 €	4,34 €	4,34 €
50	4,13 €	5,16 €	5,16 €	6,20 €	6,20 €	4,65 €	5,78 €	5,78 €	5,78 €	5,78 €
65	5,01 €	6,46 €	6,46 €	8,78 €	8,78 €	5,57 €	7,23 €	7,33 €	8,67 €	8,67 €
80	7,08 €	7,54 €	7,54 €	9,55 €	9,55 €	7,23 €	8,36 €	8,36 €	10,63 €	10,63 €
100	7,49 €	8,26 €	8,26 €	12,39 €	12,39 €	8,36 €	9,19 €	9,19 €	13,73 €	13,73 €
125	9,81 €	10,17 €	10,17 €	18,32 €	18,32 €	10,94 €	11,25 €	11,25 €	20,23 €	20,23 €
150	11,62 €	14,45 €	14,45 €	21,41 €	21,41 €	12,91 €	16,00 €	16,00 €	23,64 €	23,64 €
200	17,14 €	18,68 €	18,68 €	33,55 €	38,44 €	18,17 €	21,77 €	21,77 €	37,98 €	43,45 €
250	30,45 €	33,02 €	35,61 €	51,60 €	61,92 €	33,44 €	36,33 €	40,36 €	57,90 €	69,25 €
300	39,63 €	41,69 €	46,44 €	86,99 €	120,75 €	43,14 €	44,28 €	51,40 €	96,80 €	133,95 €
350	52,32 €	59,03 €	69,14 €	127,97 €	163,05 €	58,72 €	66,16 €	78,23 €	142,93 €	182,56 €
400	70,59 €	79,98 €	94,22 €	190,91 €	245,60 €	77,71 €	88,14 €	103,71 €	210,11 €	272,33 €
450	83,80 €	105,27 €	124,87 €	241,48 €	278,63 €	92,67 €	116,93 €	140,55 €	269,86 €	313,82 €
500	105,88 €	138,08 €	172,85 €	268,32 €	299,27 €	116,62 €	152,01 €	190,19 €	298,34 €	335,49 €
550	124,25 €	191,95 €	240,44 €			137,77 €	212,27 €	266,66 €		
600	135,19 €	213,10 €	283,79 €	371,50 €	412,78 €	150,87 €	236,63 €	314,34 €	410,83 €	458,29 €



Flat Flange
Tip01



Lap Joint Flange
Tip02

TS EN 1092-1 Standard Flanges

Size	Blind Flanges (Tip 05) €				
DN	PN6	PN10	PN16	PN25	PN40
15	3,10 €	3,10 €	3,10 €	3,10 €	3,10 €
20	3,36 €	3,36 €	3,36 €	3,36 €	334,75 €
25	4,13 €	4,13 €	4,13 €	4,13 €	4,13 €
32	4,44 €	4,44 €	4,44 €	4,90 €	4,90 €
40	4,85 €	4,90 €	4,90 €	5,42 €	5,42 €
50	5,68 €	6,20 €	6,20 €	7,23 €	7,23 €
65	6,72 €	7,23 €	7,23 €	10,11 €	10,11 €
80	8,78 €	9,29 €	9,29 €	12,80 €	12,80 €
100	9,81 €	10,32 €	10,32 €	17,55 €	17,55 €
125	11,98 €	13,42 €	13,42 €	25,29 €	25,29 €
150	15,48 €	18,07 €	18,07 €	31,48 €	31,48 €
200	23,74 €	26,83 €	26,83 €	46,44 €	57,79 €
250	43,34 €	47,47 €	49,53 €	77,40 €	90,82 €
300	61,92 €	65,01 €	65,01 €	103,20 €	140,35 €
350	77,40 €	82,56 €	95,98 €	154,80 €	206,39 €
400	102,17 €	107,33 €	134,16 €	206,39 €	289,99 €
450	113,52 €	113,52 €	142,41 €	239,41 €	330,23 €
500	156,86 €	165,12 €	206,39 €	299,27 €	412,78 €
550	175,44 €	180,59 €	247,67 €		
600	211,55 €	221,87 €	265,21 €	412,78 €	557,25 €



Blind Flange



DIN Norm Flanges

Size	Flat Flange / Lap Joint Flange					Blind Flange				
	€					€				
DN	PN6	PN10	PN16	PN25	PN40	PN6	PN10	PN16	PN25	PN40
15	2,07 €	2,07 €	2,07 €	2,07 €	2,07 €	3,10 €	3,10 €	3,10 €	3,10 €	3,10 €
20	2,28 €	2,28 €	2,28 €	2,28 €	2,28 €	3,36 €	3,36 €	3,36 €	3,36 €	3,36 €
25	2,79 €	2,79 €	2,79 €	2,79 €	2,79 €	4,13 €	4,13 €	4,13 €	4,13 €	4,13 €
32	3,00 €	3,56 €	3,56 €	3,56 €	3,56 €	4,44 €	4,44 €	4,44 €	4,90 €	4,90 €
40	3,31 €	3,92 €	3,92 €	3,92 €	3,92 €	4,85 €	4,90 €	4,90 €	5,42 €	5,42 €
50	4,03 €	4,95 €	4,95 €	6,08 €	6,08 €	5,68 €	6,20 €	6,20 €	7,23 €	7,23 €
65	4,75 €	6,10 €	6,10 €	8,78 €	8,78 €	6,72 €	7,23 €	7,23 €	10,11 €	10,11 €
80	6,61 €	7,54 €	7,54 €	9,55 €	9,55 €	8,78 €	9,29 €	9,29 €	12,80 €	12,80 €
100	7,18 €	7,85 €	7,85 €	11,67 €	11,67 €	9,81 €	10,32 €	10,32 €	17,55 €	17,55 €
125	9,70 €	10,53 €	10,53 €	17,11 €	17,11 €	11,98 €	13,42 €	13,42 €	25,29 €	25,29 €
150	11,62 €	13,42 €	13,42 €	21,41 €	21,41 €	15,48 €	18,07 €	18,07 €	31,48 €	31,48 €
200	16,10 €	18,68 €	18,68 €	31,99 €	36,02 €	23,74 €	26,83 €	26,83 €	46,44 €	57,79 €
250	29,73 €	33,02 €	34,47 €	50,57 €	54,18 €	43,34 €	47,47 €	49,53 €	77,40 €	90,82 €
300	39,63 €	41,69 €	45,21 €	69,14 €	96,80 €	61,92 €	67,08 €	65,01 €	103,20 €	140,35 €
350	50,99 €	54,49 €	56,35 €	98,04 €	133,33 €	77,40 €	82,56 €	95,98 €	154,80 €	206,39 €
400	59,85 €	62,95 €	74,10 €	133,64 €	203,30 €	102,17 €	107,33 €	134,16 €	206,39 €	289,99 €
450	69,66 €	87,98 €	89,79 €	147,05 €	231,16 €	108,36 €	113,52 €	142,41 €	239,41 €	330,23 €
500	88,76 €	99,08 €	133,33 €	221,87 €	293,24 €	156,86 €	165,12 €	206,39 €	299,27 €	412,78 €
550		113,52 €	148,61 €			170,28 €	180,59 €	247,67 €		
600	111,46 €	133,64 €	166,15 €	320,94 €	529,39 €	211,55 €	221,87 €	265,73 €	412,78 €	557,25 €



Flat Flange



Lap Joint Flange



Blind Flange

TS 10253-1 and ANSI B 16.9 Standard 90° Elbows

Size			TS10253-1 / DIN2605 €			ANSI B16.9 €			
DN	mm	INC (")	mm	DİKİŞLİ	DİKİŞSİZ	mm	SCH40	mm	SCH80
15	21,3	½"	2	0,29 €	0,57 €				
20	26,9	¾"	2,3	0,29 €	0,57 €				
25	33,7	1"	2,6	0,32 €	0,73 €	3,4	0,77 €	4,5	1,71 €
	38		2,6			3,4	0,77 €		
32	42,4	1¼"	2,6	0,46 €	0,77 €	3,6	0,81 €	4,8	1,76 €
40	48,3	1½"	2,6	0,59 €	0,96 €	3,6	1,02 €	5	1,86 €
	51		2,6	0,75 €	1,47 €	3,6	1,62 €		
	57		2,9	0,75 €	1,47 €	4	1,62 €	5,6	
50	60,3	2"	2,9	0,75 €	1,47 €	4	1,62 €	5,6	1,97 €
	70		2,9	1,30 €	2,74 €				
65	76,1	2½"	2,9	1,30 €	2,74 €	5	2,89 €	7	3,82 €
80	88,9	3"	3,2	1,71 €	3,62 €	5,5	3,77 €	7,6	6,30 €
	101,6		3,6	3,20 €	6,36 €				
	108		3,6	3,20 €	6,36 €	6,2	7,02 €		
100	114,3	4"	3,6	3,20 €	6,36 €	6,2	7,02 €	8,5	10,48 €
	133		4	5,57 €	10,63 €	6,3	11,45 €		
125	139,7	5"	4	5,57 €	10,63 €	6,3	11,45 €	9,5	19,41 €
	152		4,5	7,64 €	16,72 €				
	159		4,5	7,64 €	16,72 €	7,1	17,96 €		
150	168,3	6"	4,5	7,64 €	16,72 €	7,1	17,96 €	11	34,62 €
200	219,1	8"	4,5	15,07 €	35,09 €	8,2	37,15 €	12,7	63,11 €
	244,5		6,3	40,25 €	59,85 €				
250	273	10"	6,3	40,25 €	59,85 €	9,3	65,53 €		

