

GROOVED COUPLING AND FITTINGS

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UYUAN[®]

WEIFANG XINSHUN CASTING CO.,LTD



Company profile





Weifang Xinshun Casting Co., Ltd was established in 2005, located in Weifang City, Shandong Province. It covers an area of 60,000 square meters and owns 350 staffs, among which 15 R&D officer, and 26 staffs are Quality control officer. We are specializing in producing grooved pipe fittings and have more than 12 years professional experiences. Our products are widely used in many fields such as fire protection, mine, chemical, municipal construction, etc.

Xinshun obtained FM approvals, UL certificate, CE certificate and ISO9001 certificate. There are three advanced DISA production lines in our factory, among which one line is imported from Denmark, which is the World's most advanced casting line currently. Annual production capacity is over 50,000 tons. The company is equipped with advanced powder coated production line, electrostatic coating production line and CNC lathe. We have own standard lab and R&D system, to ensure the high quality of each link.

Advanced production line and strict quality control makes our "LUYUAN" grooved pipe fitting very popular in domestic and foreign markets. Products sold throughout the country and exports to more than 20 countries, such as the United State, Canada, Mexico, Australia, Spain, Italy, Norway, Chile, Peru, Korea, Viet Nam, Saudi Arabia, Dubai, Qatar, Bangladesh, South Africa etc.

We thank you for your attention and look forward to becoming your good business partner In the near future!

Certificates



Production Flow



Sand Mixing



Modeling



UYUAN



Finished Products Warehouse



Casting



Shot Blasting

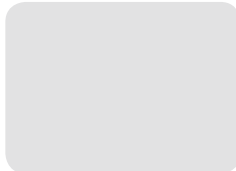
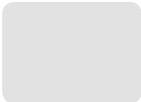
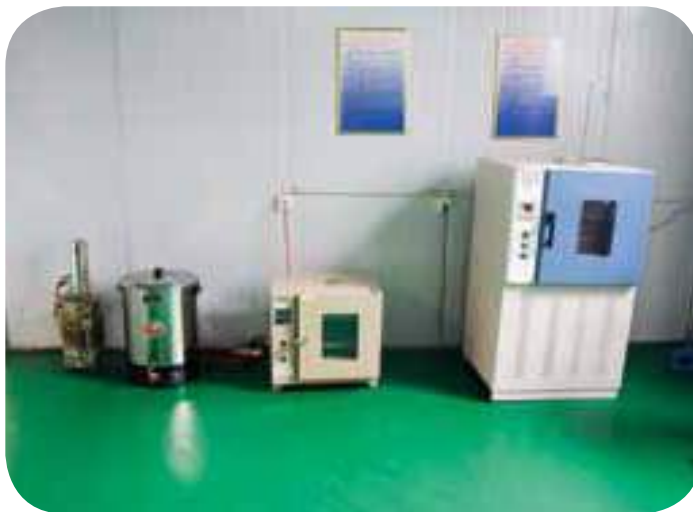


Painting Workshop



Semi-finished products warehouse

Testing Laboratory





Product show



Rigid Coupling
XGQT1



Flexible Coupling
XGQT2



Reducing Flexible Coupling
XGQT5



Angle Pad Rigid Coupling
XGQT6



Tee
XGQT03



Threaded Reducing Tee
XGQT13S



Grooved Reducing Tee
XGQT13



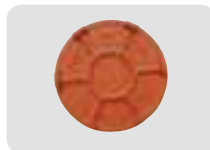
Cross
XGQT14



Grooved Reducing Cross
XGQT15



Threaded Reducing Cross
XGQT15S



Cap
XGQT09



U-Bolt Mechanical Tee
XGQT3U

Concentration Devotion Profession



Heavy Duty
Flexible Coupling
XGQT12



Shouldered Flexible
Coupling



Boltless Coupling



Grooved Fitting Galvanized
Threaded Concentric Reducer
XGQT07S



90° Elbow
XGQT01



45° Elbow
XGQT02



22.5° Elbow
XGQT16



11.25° Elbow
XGQT10



Grooved Concentric Reducer
XGQT07



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	B	C	
			mm/in	mm/in	mm/in	
25	33.7	300	56	96	45	10*45
1	1.327	2.07	2.205	3.780	1.772	
32	42.4	300	66	106	45	10*45
1¼	1.669	2.07	2.598	4.173	1.772	
40	48.3	300	72	114	45	10*45
1½	1.9	2.07	2.835	4.488	1.772	
50	60.3	300	81	126	47	10*50
2	2.375	2.07	3.189	4.961	1.772	
65	73	300	95	139	47	10*55
2½	2.875	2.07	3.740	5.472	1.772	
65	76.1	300	99	143	47	10*55
3OD	3	2.07	3.898	5.630	1.772	
80	88.9	300	112	157	48	10*55
3	3.5	2.07	4.409	6.181	1.890	
100	114.3	300	138	193	50	12*65
4	4.5	2.07	5.433	7.598	1.969	
125	139.7	300	166	221	50	12*65
5½OD	5.5	2.07	6.535	8.701	1.969	
125	141.3	300	169	222	50	12*65
5	5.563	2.07	6.654	8.740	1.969	
150	165.1	300	193	250	51	12*70
6½ OD	6.5	2.07	7.598	9.843	2.008	
150	168.3	300	196	256	51	12*70
6	6.625	2.07	7.717	10.079	2.008	
200	219.1	300	254	322	63	16*85
8	8.625	2.07	10.000	12.677	2.480	
250	273	300	313	392	64	20*100
10	10.75	2.07	12.323	15.433	2.520	
300	323.9	300	366	445	66	20*110
12	12.75	2.07	14.409	17.520	2.598	

XGQT2 Flexible Coupling



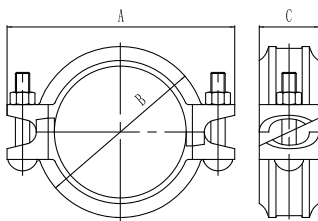
Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension			Bolt/Nut
			A	B	C	
			mm/in	mm/in	mm/in	
25	33.7	300	56	96	45	10*45
1	1.327	2.07	2.205	3.780	1.772	
32	42.4	300	66	106	45	10*45
1¼	1.669	2.07	2.598	4.173	1.772	
40	48.3	300	72	114	45	10*45
1½	1.9	2.07	2.835	4.488	1.772	
50	60.3	300	81	126	47	10*50
2	2.375	2.07	3.189	4.961	1.850	
65	73	300	95	139	47	10*55
2½	2.875	2.07	3.740	5.472	1.850	
65	76.1	300	99	143	47	10*55
3OD	3	2.07	3.898	5.630	1.850	
80	88.9	300	112	157	48	10*55
3	3.5	2.07	4.409	6.181	1.890	
100	114.3	300	138	193	50	12*65
4	4.5	2.07	5.433	7.598	1.969	
125	139.7	300	166	221	50	12*65
5½ OD	5.5	2.07	6.535	8.701	1.969	
150	165.1	300	193	250	51	12*70
6½ OD	6.5	2.07	7.598	9.843	2.008	
150	168.3	300	196	256	51	12*70
6	6.625	2.07	7.717	10.079	2.008	
200	219.1	300	254	322	63	16*85
8	8.625	2.07	10.000	12.677	2.480	
250	273	300	313	392	64	20*100
10	10.75	2.07	12.323	15.433	2.520	
300	323.9	300	366	445	66	20*110
12	12.75	2.07	14.409	17.520	2.598	

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

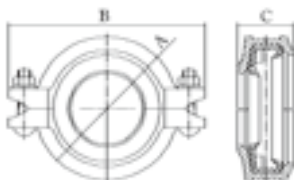
XGQT6
Angle Rad Rigid Coupling



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

XGQT5

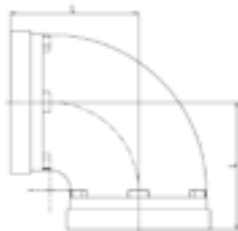
Reducing Flexible Coupling



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 × 40 2 × 1½	60.3 × 48.3 2.375 × 1.900	300 2.07	87 3.425	130 5.118	48 1.89	10*55
65 × 40 2½ × 1½	73.0 × 48.3 2.875 × 1.900	300 2.07	100 3.937	142 5.591	48 1.890	10*60
65 × 50 2½ × 2	73.0 × 60.3 2.875 × 2.375	300 2.07	100 3.937	142 5.591	48 1.890	10*60
65 × 40 3OD × 1½	76.1 × 48.3 3.000 × 1.900	300 2.07	102 4.016	147 5.787	48 1.890	10*60
65 × 50 3OD × 2	76.1 × 60.3 3.000 × 2.375	300 2.07	102 4.016	147 5.787	48 1.890	10*60
80 × 40 3 × 1½	88.9 × 48.3 3.500 × 1.900	300 2.07	116 4.567	165 6.496	49 1.929	12*70
80 × 50 3 × 2	88.9 × 60.3 3.500 × 2.375	300 2.07	116 4.567	165 6.496	49 1.929	12*70
80 × 65 3 × 2½	88.9 × 73.0 3.500 × 2.375	300 2.07	116 4.567	165 6.496	49 1.929	12*70
80 × 65 3 × 3OD	88.9 × 76.1 3.500 × 3.000	300 2.07	116 4.567	165 6.496	49 1.929	12*70
100 × 32 4 × 1¼	114.3 × 42.4 4.500 × 1.669	300 2.07	146 5.748	200 7.874	52 2.047	14*75
100 × 40 4 × 1½	114.3 × 48.3 4.500 × 1.900	300 2.07	146 5.748	200 7.874	52 2.047	14*75
100 × 50 4 × 2	114.3 × 60.3 4.500 × 2.375	300 2.07	146 5.748	200 7.874	52 2.047	14*75
100 × 65 4 × 2½	114.3 × 73.0 4.500 × 1.327	300 2.07	146 5.748	200 7.874	52 2.047	14*75
100 × 65 4 × 3OD	114.3 × 76.1 4.500 × 3.000	300 2.07	146 5.748	200 7.874	52 2.047	14*75
100 × 80 4 × 3	114.3 × 88.9 4.500 × 3.500	300 2.07	146 5.748	200 7.874	52 2.047	14*75
150 × 100 6½ × 4	165.1 × 114.3 6.500 × 4.500	300 2.07	197 7.756	255 10.039	51 2.008	16*90
150 × 80 6 × 3	168.3 × 88.9 6.625 × 3.500	300 2.07	200 7.874	259 10.197	52 2.047	16*90
150 × 100 6 × 4	168.3 × 114.3 6.625 × 4.500	300 2.07	200 7.874	259 10.197	52 2.047	16*90
150 × 125 6 × 5½OD	168.3 × 139.7 6.625 × 5.500	300 2.07	210 8.268	259 10.197	53 2.087	16*90
200 × 150 8 × 6	219.1 × 168.3 8.625 × 6.625	300 2.07	258 10.157	335 13.189	62 2.441	20*110

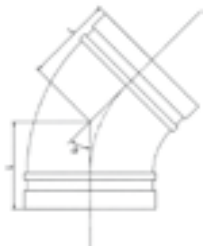
XGQT01

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
6½ OD	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

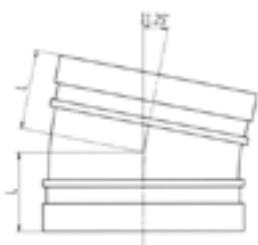
XGQT16
22.5° Elbow



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
6½ OD	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

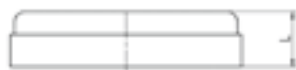
11.25° Elbow



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

XGQT09

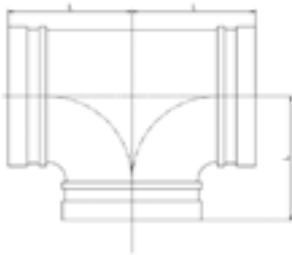
Cap



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

XGQT03

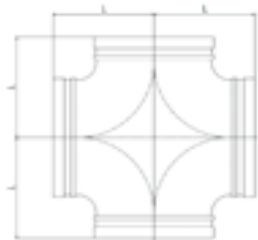
Tee



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
6½ OD	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

XGQT14

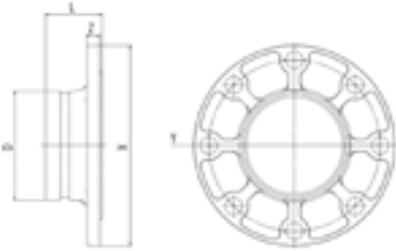
Cross



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
6½ OD	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

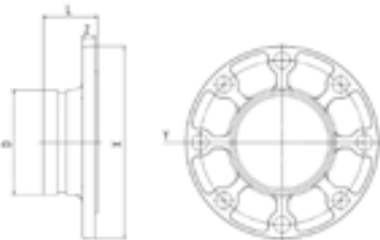
Adaptor Flange
Class150



Nominal Size mm/in	Pipe O.D mm/in	Dimension				Bolt/Nut No.-SIZE
		L	X	Y	Z	
		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

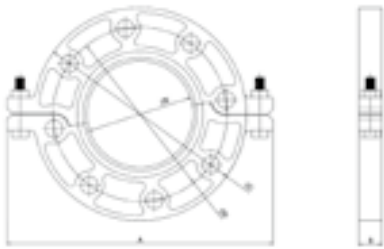


Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension				Bolt/Nut No.-SIZE
			L	X	Y	Z	
			mm/in	mm/in	mm/in	mm/in	
50	60.3	225	65	164	125	16	4-M16
2	2.2375	1.6	2.559	6.457	4.921	0.63	
65	73	225	65	184	145	16	4-M16
2½	2.875	1.6	2.559	7.244	5.709	0.63	
65	76.1	225	65	184	145	16	4-M16
3OD	3	1.6	2.559	7.244	5.709	0.63	
80	88.9	225	65	200	160	16	8-M16
3	3.5	1.6	2.559	7.874	6.299	0.63	
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
5½ 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
6½ 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



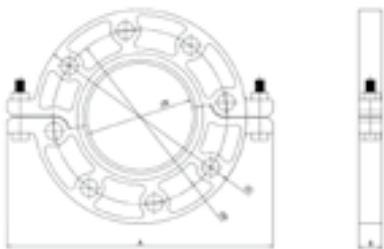
Nominal Size mm/in	Pipe O.D mm/in	Dimension					Bolt/Nut
		A	B	C	D	E	
		mm/in	mm/in	mm/in	mm/in	mm/in	
50	60.3	210	24	157	121	56.8	10*60
2	2.375	8.268	0.945	6.181	4.764	2.236	
65	73	232	24	181	140	68.5	10*60
2½	2.875	9.134	0.945	7.126	5.512	2.697	
80	88.9	248	24	192	152	84.8	10*60
3	3.5	9.764	0.945	7.559	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	



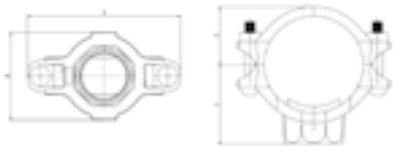
XGQT8
Flange Coupling
(Grooved Flange)
PN16



Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension					Bolt/Nut
			A	B	C	D	E	
			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	
65	76.1	225	242	24	186	145	72	4-M16
3OD	3	1.6	9.528	0.945	7.323	5.709	2.835	
80	88.9	225	256	24	200	160	84.8	8-M16
3	3.5	1.6	10.079	0.945	7.874	6.299	3.339	
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
5½OD	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
6½ 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	



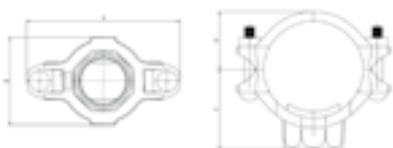
XGQT3S
Mechanical Tee
Threaded Outlet



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	
50x 15 2 x 1/2	60.3x 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
50x 20 2 x 3/4	60.3x 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
50x 25 2 x 1	60.3x 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
50x 32 2 x 1 1/2	60.3x 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
50x 40 2 x 1 1/2	60.3x 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
65x 15 2 1/2 x 1/2	73.0x 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
65x 20 2 1/2 x 3/4	73.0x 26.9 2,375 x 1,050	300 2.07	38 1.496	126 4.961	70 2.756	65 2.559	45 1.772	10*65
65x 25 2 1/2 x 1	73.0x 33.7 2,375 x 1,315	300 2.07	38 1.496	126 4.961	70 2.756	66 2.598	45 1.772	10*65
65x 32 2 1/2 x 1 1/4	73.0x 42.4 2,375 x 1,660	300 2.07	46 1.811	126 4.961	78 3.071	66 2.598	45 1.772	10*65
65x 40 2 1/2 x 1 1/2	73.0x 48.3 2,375 x 1,900	300 2.07	46 1.811	126 4.961	78 3.071	66 2.598	45 1.772	10*65
65x 15 3OD x 1/2	76.1x 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
65x 20 3OD x 3/4	76.1x 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
65x 25 3OD x 1	76.1x 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
65x 32 3OD x 1 1/4	76.1x 42.4 3,000 x 1,660	300 2.07	46 1.811	130 5.118	77 3.031	69 2.717	47 1.850	10*65
65x 40 3OD x 1 1/2	76.1x 48.3 3,000 x 1,900	300 2.07	46 1.811	130 5.118	77 3.031	69 2.717	47 1.850	10*65
80x 15 3 x 1/2	88.9x 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
80x 20 3 x 3/4	88.9x 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
80x 25 3 x 1	88.9x 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
80x 32 3 x 1 1/4	88.9x 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
80x 40 3 x 1 1/2	88.9x 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
80x 50 3 x 2	88.9x 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
100x 15 4 x 1/2	114.3x 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
100x 20 4 x 3/4	114.3x 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
100x 25 4 x 1	114.3x 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
100x 32 4 x 1 1/4	114.3x 42.4 4,500 x 1,660	300 2.07	51 2.008	177 6.969	87 3.425	87 3.425	67 2.638	12*75
100x 40 4 x 1 1/2	114.3x 48.3 4,500 x 1,900	300 2.07	51 2.008	177 6.969	87 3.425	87 3.425	67 2.638	12*75
100x 50 4 x 2	114.3x 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
100x 65 4 x 2 1/2	114.3x 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
100x 65 4 x 3OD	114.3x 76.1 4,500 x 3,000	300 2.07	70 2.756	177 6.969	110 4.331	97 3.819	67 2.638	12*75
125x 25 5 1/2 OD x 1	139.7x 33.7 5,500 x 1,315	300 2.07	38 1.496	210 8.268	75 2.953	100 3.937	79 3.110	12*75
125x 32 5 1/2 OD x 1 1/4	139.7x 42.4 5,500 x 1,660	300 2.07	51 2.008	210 8.268	88 3.465	100 3.937	79 3.110	16*100
125x 40 5 1/2 OD x 1 1/2	139.7x 48.3 5,500 x 1,900	300 2.07	51 2.008	210 8.268	88 3.465	100 3.937	79 3.110	16*100
125x 50 5 1/2 OD x 2	139.7x 60.3 5,500 x 2,375	300 2.07	64 2.520	210 8.268	103 4.055	105 4.134	79 3.110	16*100
125x 65 5 1/2 OD x 3OD	139.7x 76.1 5,500 x 3,000	300 2.07	70 2.756	210 8.268	110 4.331	110 4.370	79 3.110	16*100
125x 80 5 1/2 OD x 3	139.7x 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
150x 25 6 1/2 OD x 1	165.1x 33.7 6,500 x 1,315	300 2.07	38 1.496	236 9.291	75 2.953	112 4.409	91 3.583	16*110

XGQT3S

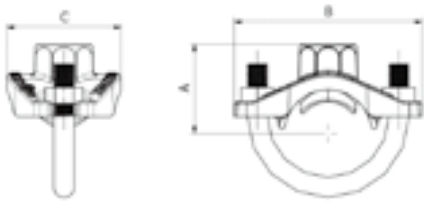
Mechanical Tee Threaded Outlet



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	
150×32 6½ OD × 1¼	165.1×42.4 6.500 × 1.660	300 2.07	51 2.008	236 9.291	89 3.504	112 4.409	91 3.583	16*110
150×40 6½ OD × 1½	165.1×48.3 6.500 × 1.900	300 2.07	51 2.008	236 9.291	89 3.504	112 4.409	91 3.583	16*110
150×50 6½ OD × 2	165.1×60.3 6.500 × 2.375	300 2.07	64 2.520	236 9.291	103 4.055	117 4.606	91 3.583	16*110
150×65 6½ OD × 2½	165.1×73.0 6.500 × 2.875	300 2.07	70 2.756	236 9.291	111 4.370	122 4.803	91 3.583	16*110
150×65 6½ OD × 3OD	165.1×76.1 6.500 × 3.000	300 2.07	70 2.756	236 9.291	111 4.370	122 4.803	91 3.583	16*110
150×80 6½ OD × 3	165.1×88.9 6.500 × 3.500	300 2.07	89 3.504	236 9.291	131 5.157	123 4.843	91 3.583	16*110
150×100 6½ OD × 4	165.1*114.3 6.500 × 5.563	300 2.07	114 4.488	236 9.291	160 6.299	123 4.843	91 3.583	16*110
150×25 6 × 1	168.3×33.7 6.625 × 1.315	300 2.07	38 1.496	239 9.409	76 2.992	120 4.724	93 3.661	16*110
150×32 6 × 1¼	168.3×42.4 6.625 × 1.660	300 2.07	51 2.008	239 9.409	89 3.504	120 4.724	93 3.661	16*110
150×40 6 × 1½	168.3×48.3 6.625 × 1.900	300 2.07	51 2.008	239 9.409	89 3.504	120 4.724	93 3.661	16*110
150×50 6 × 2	168.3×60.3 6.625 × 2.375	300 2.07	64 2.520	239 9.409	103 4.055	120 4.724	93 3.661	16*110
150×65 6 × 2½	168.3× 73 6.625 × 2.875	300 2.07	70 2.756	239 9.409	111 4.370	125 4.921	93 3.661	16*110
150×65 6 × 3OD	168.3×76.1 6.625 × 3.000	300 2.07	70 2.756	239 9.409	111 4.370	125 4.921	93 3.661	16*110
150×80 6 × 3	168.3×88.9 6.625 × 3.500	300 2.07	89 3.504	239 9.409	131 5.157	125 4.921	93 3.661	16*110
150×100 6 × 4	168.3*114.3 6.625 × 4.500	300 2.07	114 4.488	239 9.409	160 6.299	125 4.921	93 3.661	16*110
200×25 8 × 1	219.1*33.7 8.625 × 1.315	300 2.07	38 1.496	303 11.929	81 3.189	148 5.827	121 4.764	16*110
200×32 8 × 1¼	219.1*42.4 8.625 × 1.660	300 2.07	51 2.008	303 11.929	93 3.661	148 5.827	121 4.764	16*110
200×40 8 × 1½	219.1*48.3 8.625 × 1.900	300 2.07	51 2.008	303 11.929	93 3.661	148 5.827	121 4.764	16*110
200×50 8 × 2	219.1*60.3 8.625 × 2.375	300 2.07	64 2.520	303 11.929	110 4.331	148 5.827	121 4.764	16*110
200×65 8 × 2½	219.1*73 8.625 × 2.875	300 2.07	70 2.756	303 11.929	118 4.646	155 6.102	121 4.764	16*110
200×65 8 × 3OD	219.1*76.1 8.625 × 3.000	300 2.07	70 2.756	303 11.929	118 4.646	155 6.102	121 4.764	16*110
200×80 8 × 3	219.1*88.9 8.625 × 3.500	300 2.07	89 3.504	303 11.929	138 5.433	155 6.102	121 4.764	16*110
200×100 8 × 4	219.1*114.3 8.625 × 4.500	300 2.07	114 4.488	303 11.929	165 6.496	155 6.102	121 4.764	16*110

XGQT3U

U-Bolts Mechanical Tee



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	
32 x 15 1¼ x 1/2	42.4 x 21.3 1.66 x 0.83	300 2.07	30 1.181	42 1.654	93 3.661	58 2.283	10*68
32 x 20 1¼ x 3/4	42.4 x 26.9 1.66 x 1.05	300 2.07	30 1.181	45 1.772	93 3.661	58 2.283	10*68
32 x 25 1¼ x 1	42.4 x 33.7 1.66 x 1.32	300 2.07	30 1.181	49 1.929	93 3.661	58 2.283	10*68
40 x 15 1½ x 1/2	48.3 x 21.3 1.90 x 0.83	300 2.07	30 1.181	39 1.535	93 3.661	58 2.283	10*68
40 x 20 1½ x 3/4	48.3 x 26.9 1.90 x 1.05	300 2.07	30 1.181	42 1.654	93 3.661	58 2.283	10*68
40 x 25 1½ x 1	48.3 x 33.7 1.90 x 1.32	300 2.07	30 1.181	46 1.811	93 3.661	58 2.283	10*68
50 x 15 2 x 1/2	60.3 x 21.3 2.38 x 0.83	300 2.07	30 1.181	36 1.417	98 3.858	58 2.283	10*83
50 x 20 2 x 3/4	60.3 x 26.9 2.38 x 1.05	300 2.07	30 1.181	39 1.535	98 3.858	58 2.283	10*83
50 x 25 2 x 1	60.3 x 33.7 2.38 x 1.32	300 2.07	30 1.181	43 1.693	98 3.858	58 2.283	10*83
65 x 15 2½ x 1/2	73.0 x 21.3 2.88 x 0.83	300 2.07	30 1.181	36 1.417	112 4.409	58 2.283	10*96
65 x 20 2½ x 3/4	73.0 x 26.9 2.88 x 1.05	300 2.07	30 1.181	40 1.575	113 4.449	58 2.283	10*96
65 x 25 2½ x 1	73.0 x 33.7 2.88 x 1.32	300 2.07	30 1.181	44 1.732	113 4.449	58 2.283	10*96
65 x 15 3OD x 1/2	76.1 x 21.3 3.0 x 0.83	300 2.07	30 1.181	36 1.417	113 4.449	58 2.283	10*96
65 x 20 3OD x 3/4	76.1 x 26.9 3.0 x 1.05	300 2.07	30 1.181	40 1.575	113 4.449	58 2.283	10*96
65 x 25 3OD x 1	76.1 x 33.7 3.0 x 1.32	300 2.07	30 1.181	43 1.693	113 4.449	58 2.283	10*96

XGQT07S Threaded Concentric Reducer

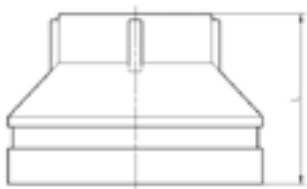


Table with 4 columns: Nominal Size (mm/in), Pipe O.D (mm/in), Working Pressure (PSI/Mpa), and Dimension L (mm/in). It lists various specifications for the reducer, such as 50x15, 2x1/2, and 60.3x21.3, with working pressures up to 350 PSI/Mpa and a length of 64 mm.

Table with 4 columns: Nominal Size (mm/in), Pipe O.D (mm/in), Working Pressure (PSI/Mpa), and Dimension L (mm/in). It lists various specifications for the reducer, such as 80x20, 3x3/4, and 88.9x26.9, with working pressures up to 350 PSI/Mpa and lengths of 64, 76, and 92 mm.

Table with 4 columns: Nominal Size (mm/in), Pipe O.D (mm/in), Working Pressure (PSI/Mpa), and Dimension L (mm/in). It lists various specifications for the reducer, such as 100x40, 4x1 1/2, and 114.3x48.3, with working pressures up to 350 PSI/Mpa and lengths of 76 and 89 mm.

Table with 4 columns: Nominal Size (mm/in), Pipe O.D (mm/in), Working Pressure (PSI/Mpa), and Dimension L (mm/in). It lists various specifications for the reducer, such as 125x32, 5/2 OD x 1 1/4, and 139.7x42.4, with working pressures up to 350 PSI/Mpa and lengths of 89 and 102 mm.

Table with 4 columns: Nominal Size (mm/in), Pipe O.D (mm/in), Working Pressure (PSI/Mpa), and Dimension L (mm/in). It lists various specifications for the reducer, such as 150x20, 6 1/2 OD x 3/4, and 165.1x26.9, with working pressures up to 350 PSI/Mpa and lengths of 102 and 1016 mm.

Table with 4 columns: Nominal Size (mm/in), Pipe O.D (mm/in), Working Pressure (PSI/Mpa), and Dimension L (mm/in). It lists various specifications for the reducer, such as 150x100, 6x4, and 168.3x114.3, with working pressures up to 350 PSI/Mpa and lengths of 102 and 1016 mm.

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.



3. Gasket installation

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



4. Alignment

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



5. 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.



6. 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.



7 a. Assembly completed- Rigid Coupling

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



7 b. Assembly completed- Flexible Coupling

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

Caution

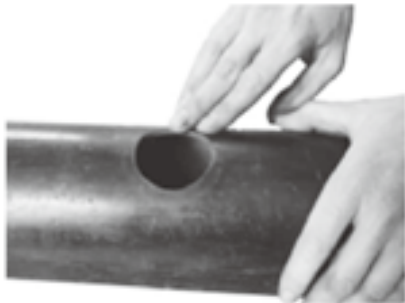
Proper torquing of bolts is required to obtain specified performance.

- 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	
	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



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	
	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



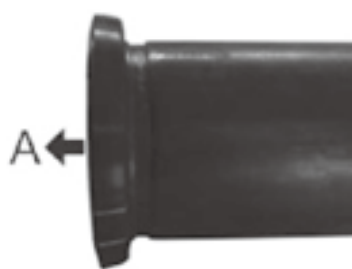
1. Pipe preparation

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	
	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



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