JUNTONG

WEIFANG JUNTONG MACHINERY AUXILIARIES CO., LTD.

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FM APPROVED · c UL us LISTED · CE · CQC ISO9001:2008

GROOVED COUPLINGS AND FITTINGS

JUNT®

Weifang Juntong Machinery Auxiliaries Co., Ltd.

FM APPROVED c UL us LISTED CE CQC ISO9001:2008

JUNT

COMPANY PROFILE

Welcome to the world of Juntong

俊通机械 JUN TONG MACHINERY

Weifang Juntong Machinery Auxiliaries Co.,Ltd. is established in 2004, is a professional manufacturer specialized in the R&D, production, sale and service of ductile iron Grooved Couplings and Pipe Fittings. Located in Weifang, we enjoy convenient transportation access and comfortable environment.

Strong and Powerful. Our company is a large enterprise group composed of one main factory, three branch factories which covers an area of 68000m2 and has an annual production capacity of more than 50000 tons. We have an experienced team, around 500 skilled staff members, twenty percent of them are engineers and technicians who are professional and hardworking.

With a wide range, good quality, reasonable prices and stylish designs, our products are extensively used in drinking water, fire control, medicine, chemistry and other industries.

Top Quality. Selling well in all cities and provinces around China, our products are also exported to clients in many countries and regions. In addition, we also welcome OEM and ODM orders. We have widely recognized by customers and enjoy a good reputation across the world. The company was approved by ISO 9001. Gradually, the company has acquired most of the authoritative certifications, including FM and UL of US.

State of the art equipment. Our company has the state-of-the-art-equipment for both production and inspection. We equipped with 8 automation molding line, automation sand mixing line, CNC lathe, WINTER mold machining center, automatic box sealing line and so on.

Reliable Quality Assurance. We conduct strict quality inspections over each batch. We have a very professional laboratory with full serious of testing and inspection as Leak testing, raw material receiving inspection, batch chemical composition inspection, Microstructure testing, dimension inspection, first article inspection, in-process inspection and final visual inspection. In order to ensure high quality.

In recent years, guaranteeing stable and timely supply, credible quality and sincere service, our products, are widely recognized and trusted by users and can meet continuously changing economic and social needs.

We welcome new and old customers from all walks of life to contact us for future business relationships and mutual success!

JUNT

JUNTONG

SERVICE WORLD

CERTIFICATES

STRENGTH TO HELP US MAKE BETTER PRODUCTS

BECAUSE THE FOCUS
SO PROFESSIONAL
BECAUSE PROFESSIONAL
SO EXCELLENT

FM APPROVED

Certificate of Compliance

This certificate is issued for the following:

RIGID COUPLINGS, MECHANICAL TEES and PIPE FITTINGS

Model XGQT1, XGQT3, XGQT35, XGQT50, XGQT51, XGQT52, XGQT56, XGQT57, XGQT63, XGQT64, XGQT575

Sizes 1, 1-1/4, 1-1/2, 2, 3, 4, 6, 8 and 10 inch NPS
26.1, 128.7 and 165.1 mm

Prepared for:

Weifang Juntong Machinery Auxiliaries Co., Ltd.
Industrial Park, Gangcheng Street, Hitech Development Zone
Weifang, Shandong
China

FM Approvals Class: 1920

Approval Identification: 0003061550 Approval Granted: February 20, 2013

Said Approval is subject to satisfactory field performance, continuing follow-up Surveillance Audits, and strict conformity to the constructions as shown in the Approval Guide, an online resource of FM Approvals.

For more than 100 years FM Approvals has partnered with business and industry to reduce property losses.

Richard B. Dunne
Group Manager – Fire Protection
FM Approvals
1151 Boston-Providence Turnpike
Norwood, MA 02062

FM Approvals

Supplier Assessment

Supplier Assessment Certificate

Weifang Juntong Machinery Auxiliaries Co., Ltd.

潍坊峻通机械配套有限公司

CERTIFICATE OF COMPLIANCE

CERTIFICATE OF COMPLIANCE

Material Manufacturer Certificate

Pressure Equipment Directive

山东省铸造协会

会员证书

品牌认证证书

Verification of Compliance

Certificate – Copyright – 版权所有 – Certificat – 版权所有 – 版权所有

QUALITY MANAGEMENT SYSTEM CERTIFICATE

Quality Management System

ISO9001: 2008

GB/T 19001-2008

CHINA QUALITY CERTIFICATION CENTRE

荣誉证书

潍坊峻通机械配套有限公司：

经审核，你单位生产的沟槽管件产品质量稳定合格，被确认为全国

质量、信誉双保障示范单位

证　书

建设产品定点生产企业

潍坊峻通机械配套有限公司：

经中国建才工程建设协会全面质量管理工作委员会审查，评定，现准许你单位球墨铸铁沟槽管件为我为会建设定点生产企业。

特颁此证

工程建设

推荐产品证书

潍坊峻通机械配套有限公司

经建设部中国工程建设标准化协会产品评审委员会审查评定，

现批准你单位生产的 DN25–DN350GCQT 系列 产品为工程建设推荐产品，特颁发此证。

ADVANCED EQUIPMENTS

High precision equipment is quality assurance.

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

RELIABLE QUALITY ASSURANCE

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

Inspection facilities include:spectrometer,
carbon sulfur analyzer,metallurgical microscope,tensile strength testing equipment,pressure testing equipment,
CMM,hardness tester,etc.

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

DUCTILE IRON GROOVED FITTINGS AND COUPLINGS

Rigid coupling

Flexible coupling

Angle pad coupling

Equal Tee

Equal Cross

90° Elbow

45° Elbow

22.5° Elbow

11.25° Elbow

Reducing Tee(Grooved)

Reducing Tee(Threaded)

Reducing Cross(Grooved)

Reducing Cross(Threaded)

Mechanical Tee (Grooved)

Mechanical Tee (Threaded)

Flange Adaptor

Grooved Flange

Concentric Reducer (Grooved)

Concentric Reducer (Threaded)

Eccentric Reducer (Grooved)

U-Bolted Mechanical Tee (Threaded)

Cap

Gasket Ring

Bolts And Nuts

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

Rigid coupling XGQT1

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

Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/Mpa	Bolt Size No.-Size mm	Dimensions mm/in Φ	L	H
25 1	33.7 1.327	300 2.07	2-M10*45	55.6 2.188	98 3.858	44 1.732
32 1 1/4	42.4 1.669	300 2.07	2-M10*45	66 2.598	107 4.213	44 1.732
40 1 1/2	48.3 1.9	300 2.07	2-M10*45	74 2.913	115 4.527	44 1.732
50 2	60.3 2.374	300 2.07	2-M10*55	88.4 3.480	125 4.921	46 1.732
65 2 1/2	73.0 2.875	300 2.07	2-M10*55	102.2 4.024	140 5.512	46 1.772
65 2 1/2	76.1 3	300 2.07	2-M10*55	102.2 4.024	140 5.512	46 1.772
80 3	88.9 3.5	300 2.07	2-M10*60	117.4 4.622	154 6.063	46 1.772
100 4	108 4.25	300 2.07	2-M12*65	138.8 5.466	184 7.244	48 1.889
100 4	114.3 4.5	300 2.07	2-M12*65	146.6 5.772	190 7.48O	48 1.889
125 5	133 5.25	300 2.07	2-M12*75	158 6.220	212 8.346	48 1.889
125 5	139.7 5.5	300 2.07	2-M12*75	171.2 6.740	220 8.661	48 1.889
125 5	141.3 5.56	300 2.07	2-M12*75	171.2 6.740	220 8.661	48 1.889
150 6	159 6.25	300 2.07	2-M12*75	192 7.559	240 9.448	48 2.008
150 6	165.1 6.5	300 2.07	2-M12*75	196.2 7.724	244 9.606	48 2.008
150 6	168.3 6.625	300 2.07	2-M12*75	199.4 7.850	246 9.685	48 2.008
200 8	219.1 8.625	232 1.6	2-M16*85	256.4 10.024	326 12.835	58 2.283
250 10	273 10.748	232 1.6	2-M20*100	316 12.441	426 16.771	64 2.520
300 12	323.9 12.75	232 1.6	2-M22*130	380 14.961	470 18.504	65 2.559

Flexible coupling XGQT2

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

Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/Mpa	Bolt Size No.-Size mm	Dimensions mm/in Φ	L	H
25 1	33.7 1.327	300 2.07	2-M10*45	55.6 2.188	98 3.858	44 1.732
32 1 1/4	42.4 1.669	300 2.07	2-M10*45	66 2.598	107 4.213	44 1.732
40 1 1/2	48.3 1.9	300 2.07	2-M10*45	74 2.913	115 4.527	44 1.732
50 2	60.3 2.374	300 2.07	2-M10*55	88.4 3.480	125 4.921	46 1.732
65 2 1/2	73.0 2.875	300 2.07	2-M10*55	102.2 4.024	140 5.512	46 1.772
65 2 1/2	76.1 3	300 2.07	2-M10*55	102.2 4.024	140 5.512	46 1.772
80 3	88.9 3.5	300 2.07	2-M10*60	117.4 4.622	154 6.063	46 1.772
100 4	108 4.25	300 2.07	2-M12*65	138.8 5.466	184 7.244	48 1.889
100 4	114.3 4.5	300 2.07	2-M12*65	146.6 5.772	190 7.48O	48 1.889
125 5	133 5.25	300 2.07	2-M12*75	158 6.220	212 8.346	48 1.889
125 5	139.7 5.5	300 2.07	2-M12*75	171.2 6.740	220 8.661	48 1.889
125 5	141.3 5.56	300 2.07	2-M12*75	171.2 6.740	220 8.661	48 1.889
150 6	159 6.25	300 2.07	2-M12*75	192 7.559	240 9.448	48 2.008
150 6	165.1 6.5	300 2.07	2-M12*75	196.2 7.724	244 9.606	48 2.008
150 6	168.3 6.625	300 2.07	2-M12*75	199.4 7.850	246 9.685	48 2.008
200 8	219.1 8.625	232 1.6	2-M16*85	256.4 10.024	326 12.835	58 2.283
250 10	273 10.748	232 1.6	2-M20*100	316 12.441	426 16.771	64 2.520
300 12	323.9 12.75	232 1.6	2-M22*130	380 14.961	470 18.504	65 2.559

Angle coupling

Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/Mpa	Bolt Size	Dimensions mm/in		
			No.-Size mm	Φ	L	H
25 1	33.7 1.327	300 2.07	2-M10*45	55.6 2.188	98 3.858	44 1.732
32 1 1/4	42.4 1.669	300 2.07	2-M10*45	66 2.598	107 4.213	44 1.732
40 1 1/2	48.3 1.9	300 2.07	2-M10*45	74 2.913	115 4.527	44 1.732
50 2	60.3 2.374	300 2.07	2-M10*55	88.4 3.480	125 4.921	46 1.732
65 2 1/2	73.0 2.875	300 2.07	2-M10*55	102.2 4.024	140 5.512	46 1.772
65 2 1/2	76.1 3	300 2.07	2-M10*55	102.2 4.024	140 5.512	46 1.772
80 3	88.9 3.5	300 2.07	2-M10*60	117.4 4.622	154 6.063	46 1.772
100 4	108 4.25	300 2.07	2-M12*65	138.8 5.466	184 7.244	48 1.889
100 4	114.3 4.5	300 2.07	2-M12*65	146.6 5.772	190 7.48O	48 1.889
125 5	133 5.25	300 2.07	2-M12*75	158 6.220	212 8.346	48 1.889
125 5	139.7 5.5	300 2.07	2-M12*75	171.2 6.740	220 8.661	48 1.889
125 5	141.3 5.56	300 2.07	2-M12*75	171.2 6.740	220 8.661	48 1.889
150 6	159 6.25	300 2.07	2-M12*75	192 7.559	240 9.448	48 2.008
150 6	165.1 6.5	300 2.07	2-M12*75	196.2 7.724	244 9.606	48 2.008
150 6	168.3 6.625	300 2.07	2-M12*75	199.4 7.850	246 9.685	48 2.008
200 8	219.1 8.625	232 1.6	2-M16*85	256.4 10.024	326 12.835	58 2.283
250 10	273 10.748	232 1.6	2-M20*100	316 12.441	426 16.771	64 2.520
300 12	323.9 12.75	232 1.6	2-M22*130	380 14.961	470 18.504	65 2.559

90° Elbow · XGQT01

SHORT

STANDARD

Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/Mpa	L mm/in	
			Short	Standard
25 1	33.7 1.327	300 2.07	57 2.244	57 2.24
32 1 1/4	42.4 1.669	300 2.07	60 2.362	70 2.75
40 1 1/2	48.3 1.900	300 2.07	60 2.362	70 2.75
50 2	60.3 2.375	300 2.07	70 2.756	82.5 3.25
65 2 1/2	73.0 2.875	300 2.07	76 2.992	95 3.74
65 2 1/2	76.1 3	300 2.07	76 2.992	95 3.74
80 3	88.9 3.5	300 2.07	90 3.543	108 4.25
100 4	108 4.252	300 2.07	102 4.016	127 5.00
100 4	114.3 4.5	300 2.07	102 4.016	127 5.00
125 5	133 5.25	300 2.07	122 4.803	122 4.80
125 5	139.7 5.5	300 2.07	122 4.803	140 5.50
125 5	141.3 5.56	300 2.07	122 4.803	140 5.50
150 6	159 6.25	300 2.07	140 5.512	165 6.50
150 6	165.1 6.5	300 2.07	140 5.512	165 6.50
150 6	168.3 6.625	300 2.07	140 5.512	165 6.50
200 8	219.1 8.625	300 2.07	175 6.890	197 7.75
250 10	273 10.75	300 2.07	215 8.465	229 9.00
300 12	323.9 12.75	300 2.07	230 9.055	254 10.00

45° Elbow · XGQT02

Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/Mpa	L mm/in
25 1	33.7 1.327	300 2.07	38 1.496
32 1 1/4	42.4 1.669	300 2.07	44 1.732
40 1 1/2	48.3 1.900	300 2.07	44 1.732
50 2	60.3 2.375	300 2.07	51 2.008
65 2 1/2	73.0 2.875	300 2.07	57 2.244
65 2 1/2	76.1 3	300 2.07	57 2.244
80 3	88.9 3.5	300 2.07	64 2.52
100 4	108 4.252	300 2.07	76 2.165
100 4	114.3 4.5	300 2.07	76 2.992
125 5	133 5.25	300 2.07	83 2.52
125 5	139.7 5.5	300 2.07	83 2.52
125 5	141.3 5.56	300 2.07	83 2.52
150 6	159 6.25	300 2.07	89 3.504
150 6	165.1 6.5	300 2.07	89 3.504
150 6	168.3 6.625	300 2.07	89 3.504
200 8	219.1 8.625	232 1.60	108 4.252
250 10	273 10.75	232 1.60	121 4.764
300 12	323.9 12.75	232 1.60	133 5.236

22.5° Elbow · XGQT021

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

11.25° Elbow · XGQT022

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

Equal Tee · XGQT03

SHORT

STANDARD

Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/Mpa	L mm/in	
			Short	Standard
25 1	33.7 1.327	300 2.07	57 2.244	57 2.24
32 1 1/4	42.4 1.669	300 2.07	60 2.362	70 2.75
40 1 1/2	48.3 1.90	300 2.07	60 2.362	70 2.75
50 2	60.3 2.375	300 2.07	70 2.756	82.5 3.25
65 2 1/2	73 2.875	300 2.07	76 2.992	95 3.74
65 2 1/2	76.1 3	300 2.07	76 2.992	95 3.74
80 3	88.9 3.5	300 2.07	86 3.386	108 4.25
100 4	108 4.252	300 2.07	102 4.016	127 5.00
100 4	114.3 4.5	300 2.07	102 4.016	127 5.00
125 5	133 5.25	300 2.07	122 4.803	122 4.80
125 5	139.7 5.5	300 2.07	122 4.803	140 5.50
125 5	141.3 5.56	300 2.07	122 4.803	140 5.50
150 6	159 6.25	300 2.07	140 5.512	165 6.50
150 6	165.1 6.5	300 2.07	140 5.512	165 6.50
150 6	168.3 6.625	300 2.07	140 5.512	165 6.50
200 8	219.1 8.625	232 1.60	175 6.890	197 7.75
250 10	273 10.75	232 1.60	215 8.466	229 9.00
300 12	323.9 12.75	232 1.60	230 9.055	254 10.00

Equal Cross · XGQT05

Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/Mpa	L mm/in
25 1	33.7 1.327	300 2.07	57 2.244
32 1 1/4	42.4 1.669	300 2.07	60 2.362
40 1 1/2	48.3 1.900	300 2.07	60 2.362
50 2	60.3 2.375	300 2.07	70 2.756
65 2 1/2	73 2.875	300 2.07	76 2.992
65 2 1/2	76.1 3	300 2.07	76 2.992
80 3	88.9 3.5	300 2.07	86 3.386
100 4	108 4.252	300 2.07	102 4.016
100 4	114.3 4.5	300 2.07	102 4.016
125 5	133 5.25	300 2.07	122 4.803
125 5	139.7 5.5	300 2.07	122 4.803
125 5	141.3 5.56	300 2.07	122 4.803
150 6	159 6.25	300 2.07	140 5.512
150 6	165.1 6.5	300 2.07	140 5.512
150 6	168.3 6.625	300 2.07	140 5.512
200 8	219.1 8.625	232 1.60	175 6.890
250 10	273 10.75	232 1.60	215 8.466
300 12	323.9 12.75	232 1.60	230 9.055

Reducing Tee (Grooved) · XGQT04

Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/Mpa	L mm/in
50x25	60.3x33.7	300	70
2x1	2.375x1.327	2.07	2.756
50x32	60.3x42.4	300	70
2x1 1/4	2.375x1.669	2.07	2.756
50x40	60.3x48.3	300	70
2x1 1/2	2.375x1.902	2.07	2.756
65x25	73.0x33.7	300	76
2 1/2x1	2.875x1.327	2.07	2.992
65x32	73.0x42.4	300	76
2 1/2x1 1/4	2.875x1.669	2.07	2.992
65x40	73.0x48.3	300	76
2 1/2x1 1/2	2.875x1.902	2.07	2.992
65x50	73.0x60.3	300	76
2 1/2x2	2.875x2.375	2.07	2.992
65x25	76.1x33.7	300	76
2 1/2x1	2.996x1.327	2.07	2.992
65x32	76.1x42.4	300	76
2 1/2x1 1/4	2.996x1.669	2.07	2.992
65x40	76.1x48.3	300	76
2 1/2x1 1/2	2.996x1.902	2.07	2.992
65x50	76.1x60.3	300	76
2 1/2x2	2.996x2.375	2.07	2.992
80x25	88.9x33.7	300	86
3x1	3.5x1.327	2.07	3.386
80x32	88.9x42.4	300	86
3x1 1/4	3.5x1.669	2.07	3.386
80x40	88.9x48.3	300	86
3x1 1/2	3.5x1.902	2.07	3.386
80x50	88.9x60.3	300	86
3x2	3.5x2.375	2.07	3.386
80x65	88.9x76.1	300	86
3x2 1/2	3.5x2.996	2.07	3.386
100x25	108x33.7	300	102
4x1	4.3x1.327	2.07	4.016
100x32	108x42.4	300	102
4x1 1/4	4.3x1.669	2.07	4.016
100x40	108x48.3	300	102
4x1 1/2	4.3x1.902	2.07	4.016
100x50	108x60.3	300	102
4x2	4.3x2.375	2.07	4.016
100x65	108x76.1	300	102
4x2 1/2	4.3x2.996	2.07	4.016
100x80	108x88.9	300	102
4x3	4.3x3.5	2.07	4.016
100x25	114.3x33.7	300	102
4x1	4.5x1.327	2.073	4.016
100x32	114.3x42.4	300	102
4x1 1x4	4.5x1.669	2.073	4.016

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

Reducing Tee (Grooved) · XGQT04

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

Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/Mpa	L mm/in
200x65	219.1x76.1	300	175
8x2 1/2	8.622x2.996	2.07	6.89
200x80	219.1x88.9	232	175
8x3	8.622x3.5	1.6	6.89
200x80	219.1x108	232	175
8x4	8.622x4.252	1.6	6.89
200x100	219.1x114.3	232	175
8x4	8.622x4.5	1.6	6.89
200x125	219.1x133	232	175
8x6	8.622x5.236	1.6	6.89
200x125	219.1x139.7	232	175
8x6	8.622x5.5	1.6	6.89
200x150	219.1x159	232	175
8x6	8.622x6.26	1.6	6.89
200x150	219.1x165.1	232	175
8x6	8.622x6.626	1.6	6.89
200x125	219.1x168.3	232	176
8x6	8.622x6.5	1.6	6.89
250x80	273x88.9	232	215
10x3	10.748x3.5	1.6	6.465
250x100	273x114.3	232	215
10x4	10.748x4.5	1.6	6.465
250x125	273x133	232	215
10x6	10.748x5.236	1.6	6.465
250x125	273x139.7	232	215
10x6	10.748x5.5	1.6	8.465
250x150	273x159	232	215
10x6	10.748x6.26	1.6	8.465
250x150	273x165.1	232	215
10x6	10.748x6.5	1.6	6.465
250x150	273x168.3	232	215
10x6	10.748x6.626	1.6	8.465
250x200	273x219.1	232	215
10x8	10.748x8.626	1.6	8.465
300x100	323.9x114.3	232	230
12x4	12.75x4.5	1.6	9.055
300x125	323.9x139.7	232	230
12x6	12.75x5.5	1.6	9.055
300x125	232.9x141.3	232	230
12x6	12.75x5.56	1.6	9.055

Reducing Tee (Threaded) · XGQT04S

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

Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/Mpa	L mm/in
100x25	108x33.7	300	102
4x1	4.3x1.327	2.07	4.016
100x32	108x42.4	300	102
4x1 1/4	4.3x1.669	2.07	4.016
100x40	108x48.3	300	102
4x1 1/2	4.3x1.902	2.07	4.016
100x50	108x60.3	300	102
4x2	4.3x2.375	2.07	4.016
100x65	108x76.1	300	102
4x2 1/2	4.3x2.996	2.07	4.016
100x80	108x88.9	300	102
4x3	4.3x3.5	2.07	4.016
100x25	114.3x33.7	300	102
4x1	4.5x1.327	2.07	4.016
100x32	114.3x42.4	300	102
4x1 1/4	4.5x1.669	2.07	4.016
100x40	114.3x48.3	300	102
4x1 1/2	4.5x1.902	2.07	4.016
100x50	114.3x60.3	300	102
4x2	4.5x2.374	2.07	4.016
100x65	114.3x76.1	300	102
4x2 1/2	4.5x2.669	2.07	4.016
100x80	114.3x88.9	300	102
4x3	4.5x3.5	2.07	4.016
125x32	133x42.4	300	122
5x1 1/4	5.236x1.669	2.07	4.803
125x40	133x48.3	300	122
5x1 1/2	5.236x1.902	2.07	4.803
125x50	133x60.3	300	122
5x2	5.236x2.374	2.07	4.803

Reducing Cross (Grooved) · XGQT051

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

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

Reducing Cross (Grooved) · XGQT051

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

Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/Mpa	L mm/in
200x50	219x60.3	232	175
8x2	8.622x2.375	1.6	6.89
200x65	219x76.1	232	175
8x2 1/2	8.622x2.996	1.6	6.89
200x80	219x88.9	232	175
8x3	8.622x3.5	1.6	6.89
200x100	219x108	232	175
8x4	8.622x4.252	1.6	6.89
200x100	219x114.3	232	175
8x4	8.622x4.5	1.6	6.89
200x125	219x133	232	175
8x5	8.622x5.236	1.6	6.89
200x125	219x139.7	232	175
8x5	8.622x5.5	1.6	6.89
200x150	219x159	232	175
8x6	8.622x6.26	1.6	6.89
200x150	219x168.3	232	175
8x6	8.622x6.626	1.6	6.89
200x150	219x165.1	232	176
8x6	8.622x6.5	1.6	6.89
250x80	273x88.9	232	215
10x3	10.748x3.5	1.6	8.465
250x100	273x114.3	232	215
10x4	10.748x4.5	1.6	8.465
250x125	273x133	232	215
10x5	10.748x5.236	1.6	8.465
250x125	273x139.7	232	215
10x5	10.748x5.5	1.6	8.465
250x150	273x159	232	215
10x6	10.748x6.26	1.6	8.465
250x150	273x168.3	232	215
10x6	10.748x6.626	1.6	8.465
250x150	273x165.1	232	215
10x6	10.748x6.5	1.6	8.465
250x200	273x219.1	232	215
10x8	10.748x8.626	1.6	8.465

Reducing Cross (Threaded) · XGQT051S

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

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

Reducing Cross (Threaded) · XGQT051S

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

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

Mechanical Tee (Grooved) · XGQT3

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

Mechanical Tee (Grooved) · XGQT3

Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/Mpa	Bolt Size No.-Size mm	Dimensions mm/in Φ	L	K	H	Hole Dia mm/in +1.6,0/+0.063,0
125x25	141.3x33.7	300	2-M12x75	164	206	105	70	38
5x1	5.56x1.327	2.07		6.457	8.110	4.144	2.756	1.496
125x32	141.3x42.4	300		164	206	105	77	46
5x1 1/4	5.56x1.669	2.07		6.457	8.110	4.144	3.031	1.811
125x40	141.3x48.3	300		164	206	105	83	51
5x1 1/2	5.56x1.90	2.07		6.457	8.110	4.144	3.268	2.008
125x50	141.3x60.3	300		164	206	106	92	61
5x2	5.56x2.375	2.07		6.457	8.110	4.173	3.622	2.402
125x65	141.3x76.1	300		164	206	106	112	81
5x2 1/2	5.56x2.996	2.07		6.457	8.110	4.173	4.409	3.189
125x80	141.3x88.9	300		164	206	106	118	86
5x3	5.56x3.50	2.07		6.457	8.110	4.173	4.646	3.386
150x25	165.1x33.7	300		189	226	118.5	70	38
6x1	6.50x1.327	2.07		7.441	8.898	4.665	2.756	1.496
150x25	165.1x42.4	300		189	226	118.5	77	46
6x1	6.50x1.669	2.07		7.441	8.898	4.665	3.031	1.811
150x40	165.1x48.3	300		189	226	118.5	83	51
6x1 1/2	6.50x1.90	2.07		7.441	8.898	4.665	3.268	2.008
150x50	165.1x60.3	300		189	226	118.5	92	61
6x2	6.50x2.375	2.07		7.441	8.898	4.665	3.622	2.402
150x65	165.1x76.1	300		189	226	118.5	112	81
6x2 1/2	6.50x2.996	2.07		7.441	8.898	4.665	4.409	3.189
150x80	165.1x88.9	300		189	226	118.5	118	86
6x3	6.50x3.50	2.07		7.441	8.898	4.665	4.646	3.386
150x100	165.1x114.3	300		189	226	118.5	147	114
6x4	6.50x4.50	2.07		7.441	8.898	4.665	5.787	4.488
150x25	168.3x33.7	300		192	228	120	70	38
6x1	6.62x1.327	2.07		7.559	8.976	4.724	2.756	1.496
150x32	168.3x42.4	300		192	228	120	77	46
6x1 1/4	6.625x1.669	2.07		7.559	8.976	4.724	3.031	1.811
150x40	168.3x48.3	300		192	228	120	83	51
6x1 1/2	6.625x1.90	2.07		7.559	8.976	4.724	3.268	2.007
150x50	168.3x60.3	300		192	228	120	92	61
6x2	6.625x2.375	2.07		7.559	8.976	4.724	3.622	2.401
150x65	168.3x76.1	300		192	228	120	112	81
6x2 1/2	6.625x2.996	2.07		7.559	8.976	4.724	4.409	3.228
150x80	168.3x88.9	300		192	228	120	118	86
6x3	6.625x3.50	2.07		7.559	8.976	4.724	4.646	3.385
150x100	168.3x114.3	300		192	228	120	147	114
6x4	6.625x4.50	2.07		7.559	8.976	4.724	5.787	4.488
200x25	219.1x33.7	232	2-M16x100	247	304	149.5	72	38
8x1	8.625x1.327	1.60		9.724	11.969	5.886	2.835	1.496
200x32	219.1x42.4	232		247	304	149.5	79	46
8x1 1/4	8.625x1.669	1.60		9.724	11.969	5.886	3.110	1.811
200x40	219.1x48.3	232		247	304	149.5	85	51
8x1 1/2	8.625x1.90	1.60		9.724	11.969	5.886	3.212	2.008
200x50	219.1x60.3	232		247	304	149.5	94	61
8x2	8.625x2.375	1.60		9.724	11.969	5.886	3.701	2.401
200x65	219.1x76.1	232		247	304	149.5	114	81
8x2 1/2	8.625x2.996	1.60		9.724	11.969	5.886	4.488	3.228
200x80	219.1x88.9	232		247	304	149.5	120	86
8x3	8.625x3.50	1.60		9.724	11.969	5.886	4.724	3.385
200x100	219.1x108	232		247	304	149.5	149	114
8x4	8.625x4.252	1.60		9.724	11.969	5.886	5.866	4.488
200x100	219.1x114.3	232		247	304	149.5	149	114
8x4	8.625x4.50	1.60		9.724	11.969	5.886	5.866	4.488

Mechanical Tee (Threaded) · XGQT3S

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

Mechanical Tee (Threaded) · XGQT3S

Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/Mpa	Bolt Size No.-Size mm	Dimensions mm/in Φ	L	K	H	Hole Dia mm/in +1.6,0/+0.063,0
125x25 5x1	141.3x33.7 5.56x1.327	300 2.07	2-M12x75	164 6.457	206 8.110	98 3.858	70 2.756	38 1.496
125x32 5x1 1/4	141.3x42.4 5.56x1.669	300 2.07		164 6.457	206 8.110	98 3.858	77 3.031	46 1.811
125x40 5x1 1/2	141.3x48.3 5.56x1.90	300 2.07		164 6.457	206 8.110	98 3.858	83 3.268	51 2.008
125x50 5x2	141.3x60.3 5.56x2.375	300 2.07		164 6.457	206 8.110	98 3.858	92 3.622	61 2.402
125x65 5x2 1/2	141.3x76.1 5.56x2.996	300 2.07		164 6.457	206 8.110	98 3.858	112 4.409	81 3.189
125x80 5x3	141.3x88.9 5.56x3.50	300 2.07		164 6.457	206 8.110	98 3.858	118 4.646	86 3.386
150x25 6x1	159.0x33.7 6.260x1.327	300 2.07		183 7.205	222 8.740	110 4.331	70 2.756	38 1.496
150x32 6x1 1/4	159.0x42.4 6.260x1.669	300 2.07		183 7.205	222 8.740	110 4.331	77 3.031	46 1.811
150x40 6x1 1/2	159.0x48.3 6.260x1.90	300 2.07		183 7.205	222 8.740	110 4.331	83 3.268	51 2.008
150x50 6x2	159.0x60.3 6.260x2.375	300 2.07		183 7.205	222 8.740	110 4.331	92 3.622	61 2.402
150x65 6x2 1/2	159.0x76.1 6.260x2.996	300 2.07		183 7.205	222 8.740	110 4.331	112 4.409	81 3.189
150x80 6x3	159.0x88.9 6.260x3.500	300 2.07		183 7.205	222 8.740	110 4.331	118 4.646	86 3.386
150x25 6x1	165.1x33.7 6.50x1.327	300 2.07		189 7.441	226 8.898	113 4.449	70 2.756	38 1.496
150x32 6x1 1/4	165.1x42.4 6.500x1.669	300 2.07		189 7.441	226 8.898	113 4.449	77 3.031	46 1.811
150x40 6x1 1/2	165.1x48.3 6.50x1.90	300 2.07		189 7.441	226 8.898	113 4.449	83 3.268	51 2.008
150x50 6x2	165.1x60.3 6.50x2.375	300 2.07		189 7.441	226 8.898	113 4.449	92 3.622	61 2.402
150x65 6x2 1/2	165.1x76.1 6.50x2.996	300 2.07		189 7.441	226 8.898	113 4.449	112 4.409	81 3.189
150x80 6x3	165.1x88.9 6.50x3.50	300 2.07		189 7.441	226 8.898	113 4.449	118 4.646	86 3.386
150x100 6x4	165.1x114.3 6.50x4.50	300 2.07		189 7.441	226 8.898	113 4.449	149 5.866	114 4.488
150x25 6x1	168.3x33.7 6.625x1.327	300 2.07		192 7.559	228 8.976	115 4.528	70 2.756	38 1.496
150x32 6x1 1/4	168.3x42.4 6.625x1.669	300 2.07		192 7.559	228 8.976	115 4.528	77 3.031	46 1.811
150x40 6x1 1/2	168.3x48.3 6.625x1.90	300 2.07		192 7.559	228 8.976	115 4.528	83 3.268	51 2.007
150x50 6x2	168.3x60.3 6.625x2.375	300 2.07		192 7.559	228 8.976	115 4.528	92 3.622	61 2.401
150x65 6x2 1/2	168.3x76.1 6.625x2.996	300 2.07		192 7.559	228 8.976	115 4.528	112 4.409	81 3.228
150x80 6x3	168.3x88.9 6.625x3.50	300 2.07		192 7.559	228 8.976	115 4.528	118 4.646	86 3.385
200x25 8x1	219.1x33.7 8.625x1.327	232 1.60	2-M16x100	247 9.724	304 11.969	142 5.591	72 2.835	38 1.811
200x32 8x1 1/4	219.1x42.4 8.625x1.669	232 1.60		247 9.724	304 11.969	142 5.591	79 3.110	46 1.811
200x40 8x1 1/2	219.1x48.3 8.625x1.90	232 1.60		247 9.724	304 11.969	142 5.591	85 3.346	51 2.008
200x50 8x2	219.1x60.3 8.625x2.375	232 1.60		247 9.724	304 11.969	142 5.591	94 3.701	61 2.402
200x65 8x2 1/2	219.1x76.1 8.625x2.996	232 1.60		247 9.724	304 11.969	142 5.591	114 4.488	81 3.189
200x80 8x3	219.1x88.9 8.625x3.50	232 1.60		247 9.724	304 11.969	142 5.591	120 4.724	86 3.386
200x100 8x4	219.1x114.3 8.625x4.50	232 1.60		247 9.724	304 11.969	142 5.591	149 5.866	114 4.488

U-Bolted Mechanical Tee(Threaded) · XGQT3U

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

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

Flange Adaptor PN16 · XGQT08

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

Adaptor Flange PN25

Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/Mpa	Dimensions mm/in				Bolt/Nut
			Do	H1	H2	Φ	NO.-Size mm
100 108.0	108.0 4.250	362 2.5	190 7.48	18 0.71	70 2.756	230 9.05	8-M20
100 4	114.3 4.500	362 2.5	190 7.48	16 0.63	70 2.756	235 9.25	8-M20
150 159.0	159.0 6.250	362 2.5	250 9.85	20 0.79	70 2.756	300 11.80	8-M24
150 165.1	165.1 6.500	362 2.5	250 9.84	18 0.71	70 2.756	300 11.80	8-M24
200 8	219.1 8.625	362 2.5	310 12.20	19 0.75	80 3.150	360 14.17	12-M24

Flange Adaptor (Threaded) · XGQT08S

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

Grooved Flange PN16 · XGQT18

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

Grooved Flange PN25

Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/Mpa	Dimensions mm/in				Bolt/Nut	
			Do	L	K	Φ	NO.-Size mm	
100	108.0	362	180	280	25.5	220	2-M12X55	8-M16
108.0	4.250	2.5	7.09	11.02	1.00	8.66		
150	165.1	362	240	346	25.5	280	2-M12X65	8-M20
165.1	6.500	2.5	9.45	13.62	1.00	11.00		

Flange Adaptor ANSI-Class 125/150 · XGQT18

Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/Mpa	Dimensions mm/in				Bolt/Nut
			Do	H1	H2	Φ	NO.-Size mm
50	60.3	300	120.5	19	60.3	152	4-M16
2	2.375	2.07	4.744	0.748	2.37	5.98	
65	73.0	300	139.5	24	60.3	178	4-M16
2 1/2	2.875	2.07	5.693	0.944	2.37	7.00	
80	88.9	300	152.5	24	60.3	190	4-M16
3	3.500	2.07	6.00	0.944	2.37	7.48	
100	114.3	300	190.5	24	70	229	4-M16
4	4.500	2.07	7.5	0.944	2.755	9.015	
125	141.3	300	216	24	70	254	8-M20
5	5.56	2.07	8.503	0.944	2.755	10	
150	168.3	300	241.5	25	70	279	8-M20
6	6.625	2.07	9.507	0.984	2.755	10.98	
200	219.1	300	298.5	29	76.1	343	8-M20
8	8.625	2.07	11.751	1.141	2.99	13.50	
250	273.0	300	362	30	85	406	12-M22
10	10.750	2.07	14.251	1.181	3.346	15.98	
300	323.9	300	432	32	90	483	12-M22
12	12.750	2.07	17.00	1.259	3.543	19.01	

Grooved Flange ANSI-Class 125/150 · XGQT19

Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/Mpa	Dimensions mm/in				Bolt/Nut
			Do	L	K	Φ	NO.-Size mm
50	60.3	300	121	206	22	152	4-M16
2	2.375	2.07	4.763	8.110	0.866	5.984	
65	73.0	300	140	230	22	178	4-M16
2 1/2	2.875	2.07	5.511	9.055	0.866	7.007	
80	88.9	300	152	242	24	191	4-M16
3	3.500	2.07	5.984	9.572	0.944	7.519	
100	114.3	300	191	280	24	229	8-M16
4	4.500	2.07	7.519	11.023	0.944	9.015	
125	141.3	300	216	325	24.5	254	8-M20
5	5.56	2.07	8.503	12.795	0.964	10	
150	168.3	300	241.5	345	24.5	282	8-M20
6	6.625	2.07	9.508	13.583	0.964	11.102	
200	219.1	300	298.5	414.3	28	341.4	8-M20
8	8.625	2.07	11.751	16.311	1.102	13.44	

Concentric Reducer (Grooved) · XGQT07

Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/Mpa	L mm/in
50x25	60.3x33.7	300	60
2x1	2.375x1.327	2.07	2.362
50x32	60.3x42.4	300	64
2x1 1/4	2.375x1.669	2.07	2.62
50x40	60.3x48.3	300	64
2x1 1/2	2.375x1.902	2.07	2.62
65x25	73.0x33.7	300	64
2 1/2x1	2.875x1.327	2.07	2.62
65x32	73.0x42.4	300	64
2 1/2x1 1/4	2.875x1.669	2.07	2.62
65x40	73.0x48.3	300	64
2 1/2x1 1/2	2.875x1.902	2.07	2.62
65x50	73.0x60.3	300	64
2 1/2x2	2.875x2.375	2.07	2.62
65x25	76.1x33.7	300	64
2 1/2x1	2.996x1.327	2.07	2.62
65x32	76.1x42.4	300	64
2 1/2x1 1/4	2.996x1.669	2.07	2.62
65x40	76.1x48.3	300	64
2 1/2x1 1/2	2.996x1.902	2.07	2.62
65x50	76.1x60.3	300	64
2 1/2x2	2.996x2.375	2.07	2.62
80x25	88.9x33.7	300	64
3x1	3.5x1.327	2.07	2.62
80x32	88.9x42.4	300	64
3x1 1/4	3.5x1.669	2.07	2.62
80x40	88.9x48.3	300	64
3x1 1/2	3.5x1.902	2.07	2.62
80x50	88.9x60.3	300	64
3x2	3.5x2.374	2.07	2.52
80x65	88.9x76.1	300	64
3x2 1/2	3.5x2.996	2.07	2.52
100x50	108x60.3	300	76
4x2	4.252x2.374	2.07	2.99
100x65	108x76.1	300	76
4x2 1/2	4.252x2.996	2.07	2.99
100x80	108x88.9	300	76
4x3	4.252x3.5	2.07	2.99

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

Concentric Reducer (Grooved) · XGQT07

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

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

Concentric Reducer (Threaded) · XGQT07S

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

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

Concentric Reducer (Threaded) · XGQT07S

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

Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/Mpa	L mm/in
150x32	165.1x42.4	300	102
6x1 1/4	6.5x1.669	2.07	4.016
150x40	165.1x48.3	300	102
6x1 1/2	6.5x1.902	2.07	4.016
150x50	165.1x60.3	300	102
6x2	6.5x2.375	2.07	4.016
150x65	165.1x76.1	300	102
6x2 1/2	6.5x2.996	2.07	4.016
150x80	165.1x88.9	300	102
6x3	6.5x3.5	2.07	4.016
150x100	165.1x114.3	300	102
6x4	6.5x4.5	2.07	4.016
150x25	168.3x33.7	300	102
6x1	6.614x1.327	2.07	4.016
150x32	168.3x42.4	300	102
6x1 1/4	6.614x1.669	2.07	4.016
150x40	168.3x48.3	300	102
6x1 1/2	6.614x1.902	2.07	4.016
150x50	168.3x60.3	300	102
6x2	6.614x2.375	2.07	4.016
150x65	168.3x76.1	300	102
6x2 1/2	6.614x2.996	2.07	4.016
150x80	168.3x88.9	300	102
6x3	6.614x3.5	2.07	4.016
150x100	168.3x114.3	300	102
6x4	6.614x4.5	2.07	4.016
200x25	219.1x33.7	232	127
8x1	8.625x1.327	1.6	5.000
200x32	219.1x42.4	232	127
8x1 1/4	8.625x1.669	1.6	5.000
200x40	219.1x48.3	232	127
8x1 1/2	8.625x1.902	1.6	5.000
200x50	219.1x60.3	232	127
8x2	8.625x2.375	1.6	5.000
200x65	219.1x76.1	232	127
8x2 1/2	8.6252.996	1.6	5.000
200x80	219.1x88.9	232	127
8x3	8.625x3.5	1.6	5.000
200x100	219.1x114.3	232	127
8x4	8.625x4.5	1.6	5.000

Eccentric Reducer (Grooved) · XGQT17

Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/Mpa	L mm/in
100x65	108x76.1	300	102
4x2 1/2	4.252x2.996	2.07	4.331
100x80	108x88.9	300	102
4x3	4.252x3.50	2.07	4.331
100x65	114.3x76.1	300	102
4x2 1/2	4.50x2.996	2.07	4.331
100x80	114.3x88.9	300	102
4x3	4.50x3.50	2.07	4.331
125x80	139.7x88.9	300	102
5x3	5.50x3.50	2.07	4.331
125x100	139.7x114.3	300	102
5x4	5.50x4.50	2.07	4.331
150x65	159x76.1	300	102
6x2 1/2	6.260x2.996	2.07	4.331
150x80	159x88.9	300	102
6x3	6.260x3.50	2.07	4.331
150x100	159x108	300	102
6x4	6.260x4.252	2.07	4.331
150x100	159x114.3	300	102
6x4	6.260x4.50	2.07	4.331
150x125	159x139.7	300	102
6x5	6.260x5.50	2.07	4.331
150x65	165.1x76.1	300	102
6x2 1/2	6.50x2.996	2.07	4.331
150x80	165.1x88.9	300	102
6x3	6.50x3.50	2.07	4.331
150x100	165.1x114.3	300	102
6x4	6.50x4.50	2.07	4.331
150x125	165.1x139.7	300	102
6x5	6.50x5.50	2.07	4.331
200x80	219.1x88.9	232	130
8x3	8.626x3.50	1.6	5.118
200x100	219.1x114.3	232	130
8x4	8.626x4.50	1.6	5.118
200x125	219.1x139.7	232	130
8x5	8.626x5.50	1.6	5.118
200x150	219.1x159	232	130
8x6	8.626x6.260	1.6	5.118
200x150	219.1x165.1	232	130
8x6	8.626x6.50	1.6	5.118
200x150	219.1x168.3	232	130
5x6	8.626x6.626	1.6	5.118
250x150	273x159	232	152
10x6	10.748x6.260	1.6	5.984

Cap · XGQT06

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

Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/Mpa	L mm/in
25 1	33.7 1.327	300 2.07	24 0.945
32 1 1/4	42.4 1.669	300 2.07	24 0.945
40 1 1/2	48.3 1.900	300 2.07	24 0.945
50 2	60.3 2.375	300 2.07	26 1.024
65 2 1/2	73.0 2.875	300 2.07	28 1.102
65 2 1/2	76.1 3	300 2.07	28 1.102
80 3	88.9 3.5	300 2.07	28 1.102
100 4	108 4.252	300 2.07	28 1.102
100 4	114.3 4.5	300 2.07	28 1.102
125 5	133 5.25	300 2.07	28 1.102
125 5	139.7 5.5	300 2.07	28 1.102
125 5	141.3 5.56	300 2.07	28 1.102
150 6	159 6.25	300 2.07	28 1.102
150 6	165.1 6.5	300 2.07	28 1.102
150 6	168.3 6.625	300 2.07	28 1.102
200 8	219.1 8.625	232 1.60	36 1.417
250 10	273 10.75	232 1.60	36 1.417

Cap with Eccentric Hole

Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/Mpa	L mm/in
65x25 2 1/2x1	76.1x33.7 3.000x1.315	500 3.45	23.5 0.925
65x40 2 1/2x1 1/2	76.1x48.3 3.000x1.900	500 3.45	23.5 0.925
80x25 3x1	88.9x33.7 3.500x1.315	500 3.45	23.5 0.925
80x40 3x1 1/2	88.9x48.3 3.500x1.900	500 3.45	23.5 0.925
80x50 3x2	88.9x60.3 3.500x2.375	500 3.45	23.5 0.925
100x25 4x1	114.3x33.7 4.500x1.315	500 3.45	25.4 1.00
100x40 4x1 1/2	114.3x48.3 4.500x1.900	500 3.45	25.4 1.00
100x50 4x2	114.3x60.3 4.500x2.375	500 3.45	25.4 1.00
125x40 5x1 1/2	139.7x60.3 5.500x1.900	500 3.45	25.4 1.00
125x50 5x2	139.7x60.3. 5.500x2.375	500 3.45	25.4 1.00
150x40 6x1 1/2	165.1x48.3 6.500x1.900	500 3.45	25.4 1.00
150x40 6x1 1/2	168.3x48.3 6.625x1.900	500 3.45	25.4 1.00
150x50 6x2	168.3x60.3 6.625x2.375	500 3.45	25.4 1.00
200x40 8x1 1/2	219.1x48.3 8.625x1.900	500 3.45	30.2 1.19
200x50 8x2	219.1x60.3 8.625x2.375	500 3.45	30.2 1.19

Gasket Ring

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

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

Bolts and Nuts

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

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

Other products

Roll grooving machine

Hole cutting machine

Pipe cutting machine

Lube

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

Installation Instruction For Rigid & Flexible Coupling

Pipe preparation

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

Lubricate gasket

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

Gasket installation

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

Alignment

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

Housing installation

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

Tighten nuts

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

Assembly completed-rigid Coupling

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

Assembly completed-Flexible Coupling

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

Cuation

Proper torquing of bolts is required to obtain specified performance.

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

Specified Bolt Torque

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

Installation Instruction For Threaded & Grooved Mechanical Tee

Pipe preparation

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

Remove burrs

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

Gasket installation

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

Alignment

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

Tighten nuts

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

Assembly completed

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

Cuation

Proper torquing of bolts is required to obtain specified erformance.

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

Specified Bolt Torque

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

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