

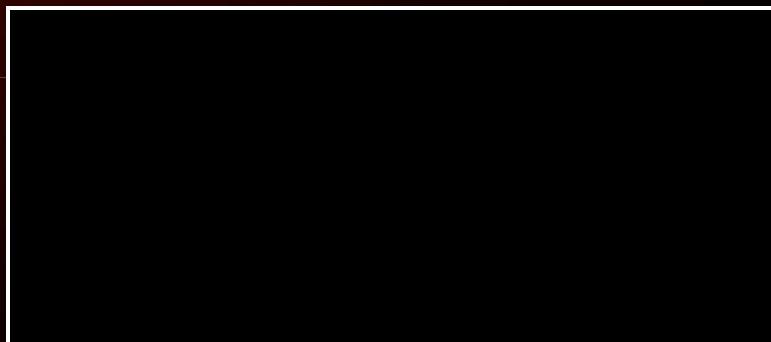


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中国人民



Ductile Iron Grooved Fittings and Couplings

WEIFANG DAHAI LVBINGCHUAN MACHINERY GROUP CO.,LTD.





LBC, short for WEIFANG DAHAI LVINGCHUAN MACHINERY GROUP CO., LTD., is located in the World Kite Capital-Weifang City with a beautiful scenery which is within a short distance around 200 km to Qingdao & Huangdao ports. We, LBC Group, are a delicate manufacturer committed to pipe fittings & couplings designing, casting and world-wide supplying business. Right now, LBC has 4 subsidiaries with 3 casting foundries(disamatic molding & casting lines) occupying more than 150 acres and two new inventory facilities along with testing labs under construction which cover more than 40 acres. In total, we have more than 300 employees, including more than 120 highly skilled workers,nearly 30 technical support staffs, 7 qualified casting engineers with a strong lab team. We also have an independent research institute(CNC pattern center) and metallurgical laboratory with the full capability to continuously improve our product design, reliable quality and safety to meet the market dynamic demand and also the on growing global demand.

Since the founding stage of our company, we've been repeating and applying the concept of military-like systematic management and we combine regulations for human and procedures for production together to achieve our steady growth in the past 3 decades. Through this concept, we gain not only great benefits of utility, accuracy and efficiency in our manufacturing processes, but also the safety for our workers-Zero fatal incidence ever. Weifang City Government reward us as the 'Outstanding Private Enterprise'for many years and we've also been rated as the 'Remarkable Brand'by Shandong Provence Government.

Our strictness in the systematic management with the scientific methods has been a excellent help for our production, also helped us smoothly certified for the British SGS ISO9002 and ISO9001:2008 Quality Management System Certifications.

With the collaboration of the Beijing Xien Management Consultant, we developed and applied the military-like systematic management aiming at higher and higher unity in team work and efficiency in production. To gain our high product's reputation, we not just strictly follow the industry standard GB5135.11-2006 and different regional standards in the development and production of our products, but also take the international advanced technology in melting and casting, especially the accurate temperature control systems and the furnace component analysis systems for the raw material analysis and control which guarantee our internal quality stability and relatively low cost.

The introducing of the'day-day'management by the scientific mode, which is known as 6S concept, ensures that products from raw materials to the plant laboratory are flawlessly following the procedures under gradual control and regular check, for the solid absolute that every part and every seal are safe to use and effective in a long term for our customers. As the result of all the effort, LBC has been listed on the National Construction Standard Association Recommend Brands Rank.

LBC grooved pipe fittings and couplings with its high quality from the military-like systematic production management have been certified and accepted not only by the domestic market but also the global market. From the year 2012 to 2015, our products have successfully passed the U.S. FM Approval certification and UL certification, as well as the Europe CE verification.

In the advantage of reliable quality and outstanding services, LBC fittings have been widely applied to over 1500 projects. With our reputation, we have been recommended for the overseas OEMs due to our stable production capacity and quick reaction towards the regional market. Right now, we attract many customers from allover the world, such as intermediaries from the Europe and UEA. We also supply to the North America OEM market with our capability of fully meeting the customizing demands from our customers. With all the trust from our global customers, we LBC steadily move towards the global markets; With all the reputation we earned through all three decades, we gradually become one of the top finest supplier in the pipe fittings and couplings; With all the partners from our suppliers and buyers, we have and will keep our promises for the growth and great vision in our future.

LBC,
A Professional Pipe Fittings and Couplings Manufacturer
A Qualified Supplier



grand and magnificent integrity of the world

Company Hist

85

1987

1989

1994

2004

2006

2007

2008

2012

2015

★ Merchant invention started a business

★ Built casting factory, mainly produced wearable steel ball.

★ Grinding Cylpeds.

★ Weifang dahai casting development co., It was established in 2004. Air compressor wheel.



★ Established JULONG Steel shot factory, produced Decarburization steel grit.



Work with perseverance, Hundreds of years only one industry
Reputation first, Generations to create world famous brand

Fly our dream, Build power craftsmen

★ WEIFANG DAHAI LVBINGCHUAN machinery group co., ltd had 3 branch, include Weifang halidaer technology co., ltd, Weifang hete pipe co., ltd and Beijing hongtaiborui technology co., ltd.

State of
the Art
Equipment

High precision equipment
is quality assurance.

Weifang dahai lvbingchuan
machinery Group is equipped
with the most advanced
facilities and equipment
in the industry. The main
production facilities include
Disa automatic molding
line,automatic molding sand
mixers,electric furnaces,CNC
vertical machining centers,
CNC machines, automatic
box sealing line,stereoscopic
warehouse and so on.



reliable
quality
assurance

Inspection facilities include spectrom-eter, carbon sulfur analyzer, metallurgical microscope, tensile strength gesting equipment, pressure testing equipment, adhesive force testing equipment, 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.



Metallographical Microscope



Pressure Testing Machine



Metallographical Polisher



Gasket Grinding Machine



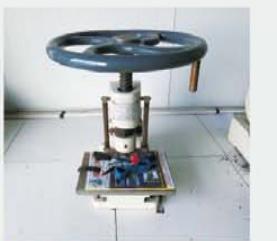
Thickness Testing Instrument



Rubber Aging Testing Machine



Rubber Tensile Testing Instrument



Rubber Sheet-punching Machine



Element Testing Instrument



Bending Moment Testing



Mechanical Tension Test



Certificates



Product display

Material:ASTM A536, GRADE 65-45-12, QT450-10



Coupling Flexible Coupling Angle Pad Coupling Reducing Coupling Tee (long)



Mechanical Tee Grooved Outlet Mechanical Tee Threaded Outlet U-bolt Mechanical Tee Mechanical Cross Grooved Outlet Mechanical Cross Threaded Outlet



Tee Grooved Reducing Tee Threaded Reducing Tee cross Grooved Reducing Cross Threaded Reducing Cross

Material:ASTM A536, GRADE 65-45-12, QT450-10



90° Elbow (long) 90° Elbow 45° Elbow 22.5° Elbow 11.25° Elbow



Grooved Eccentric Reducer Threaded Eccentric Reducer Grooved Concentric Reducer Threaded Concentric Reducer

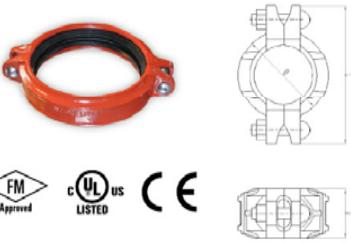


Cap Cap with Eccentric Hole Cap with Concentric Hole Adaptor Flange Split Flange

Product size

Rigid Coupling

This couplings available where moderate pressures are exerted or weight considerations are a factor. this style couplings designed with cross-ribbed construction to provide strong component for pressure piping systems and usually used in fire protection, feed water, oil or gas and etc.



Rigid Coupling

Nominal Size	Pipe OD.	Working Pressure	Dimensions		Bolt Size
			A mm	B mm	
mm/in	mm/in	psi/Mpa			No.-Size mm
25	33.7		58	98	45
1	1.327		2.28	3.85	1.77
32	42.4		68	106	45
1½	1.669		2.68	4.17	1.77
40	48.3		74	114	45
1½	1.9		2.91	4.49	1.77
50	60.3		86	126	45
2	2.375		3.39	4.96	1.77
65	73		98	137	45
2½	2.875		3.86	5.39	1.77
65	76.1		103	141	45
2½	3		4.06	5.55	1.77
80	88.9		114	158	45
3	3.5		4.49	6.22	1.77
100	108		140	186	49
4	4.25		5.51	7.32	1.93
100	114.3		143	192	49
4	4.5		5.63	7.56	1.93
125	133		164	216	50
5	5.25		6.46	8.5	1.96
125	139.7		172	223	50
5	5.5		6.77	8.78	1.96
125	141.3		173	225	50
5	5.563		6.81	8.66	1.96
150	159		193	248	50
6	6.25		7.59	9.69	1.96
150	165.1		199	252	50
6	6.5		7.83	9.92	1.96
150	168.3		202	252	50
6	6.625		7.95	9.92	1.96
200	219.1		255	322	58
8	8.625		10.04	12.67	2.28
250	273		273	318	62
10	10.75		12.51	15.74	2.44
300	323.9		372	454	64
12	12.75		14.64	17.87	2.51
			3/4*110-2	3/4*120-2	
			3/4*110-2	3/4*120-2	

Pressure Ratings and End loads for Mech Couplings on Steel Pipe

Nominal Size	Pipe O.D.	Pipe Sched	Wall Thick	Dimensions		Bolt Size
				mm/in	mm	
DN/in	mm	(sch)	mm	Bar/Psi	KN/lbs	
25	33.7	40	3.38	35/500	3.0/680	
1	1.327	2.77	3.85	3.0/680		
32	42.4	40	3.56	35/500	4.8/1080	
1½	1.669	10	2.77	35/500	4.8/1080	
40	48.3	40	3.68	35/500	6.3/1420	
1½	1.9	10	2.77	35/500	6.3/1420	
50	60.3	40	3.81	35/500	9.8/2210	
2	2.375	10	2.77	35/500	9.8/2210	
65	73	40	5.16	35/500	14.4/3240	
2½	2.875	10	3.05	35/500	14.4/3240	
65	76.1	—	6.35			
65	76.1	—	5.08	35/500	15.7/3530	
65	76.1	—	3.81	35/500	15.7/3530	
80	88.9	40	5.49	35/500	21.4/4800	
3	3.5	10	3.05	35/500	21.4/4800	
100	108	40	6.02	35/500	35.4/7950	
4	4.25	10	3.05	35/500	35.4/7950	
100	114.3	40	6.02	35/500	35.4/7950	
4	4.5	10	3.05	35/500	35.4/7950	
125	133	40	6.55	31/450	48.6/10930	
5	5.25	10	3.4	31/450	48.6/10930	
125	139.7	—	6.35	31/450	66.4/14930	
5	5.5	—	5.08	31/450	66.4/14930	
125	141.3	40	7.11	31/450	68.9/15500	
5	5.563	10	3.4	31/450	68.9/15500	
150	159	40	8.18	31/450	116.9/26280	
6	6.25	30	7.04	31/450	116.9/26280	
150	165.1	10	4.77	20/300	77.8/17500	
6	6.5	40	9.27	20/300	121.0/27210	
150	168.3	30	7.8	20/300	121.0/27210	
6	6.625	10	4.77	20/300	121.0/27210	
200	219.1	40	10.31	20/300	170.3/38280	
8	8.625	STD	9.53	20/300	170.3/38280	
250	273	30	6.35	20/300	170.3/38280	
10	10.75	10	4.77	20/300	170.3/38280	
300	323.9	40	10.31	20/300	170.3/38280	
12	12.75	STD	9.53	20/300	170.3/38280	
		30	6.35	20/300	170.3/38280	
		10	4.77	20/300	170.3/38280	

Flexible Coupling

This kind of coupling is designed for the pipe bearing moderate pressure. It allows controlled angular, linear and rotational movement at each joint and provides the added advantages of expansion, contraction and deflection. This is useful to accommodate uneven laying surfaces, and movement from thermal changes, settling, seismic effect or other causes. Flexible coupling can be used in fire protection system, feed water, natural gas system and etc.



Flexible Coupling

Nominal Size	Pipe OD.	Working Pressure	Dimensions		Bolt Size
			mm/in	psi/Mpa	
25	33.7	40	58	98	45
1	1.327	2.77	2.28	3.85	1.77
32	42.4	40	68	106	45
1½	1.669	10	2.77	3.85	1.77
40	48.3	40	74	114	45
1½	1.9	10	2.91	4.49	1.77
50	60.3	40	86	126	45
2	2.375	10	3.39	4.96	1.77
65	73	40	98	137	45
2½	2.875	10	3.86	5.39	1.77
65	76.1	40	103	141	45
2½	3	10	4.06	5.55	1.77
80	88.9	40	114	158	45
3	3.5	10	4.49	6.22	1.77
100	108	40	140	186	49
4	4.25	10	5.51	7.32	1.93
100	114.3	40	143	192	49
4	4.5	10	5.63	7.56	1.93
125	133	40	164	216	50
5	5.25	10	6.46	8.5	1.96
125	139.7	40	172	223	50
5	5.5	10	6.77	8.78	1.96
125	141.3	40	173	225	50
5	5.563	10	6.81	8.86	1.96
150	159	40	193	246	50
6	6.25	10	7.59	9.69	1.96
150	165.1	40	199	252	50
6	6.5	10	7.83	9.92	1.96
150	168.3	40	202	252	50
6	6.625	10	7.95	9.92	1.96
200	219.1	40	255	322	58
8	8.625	10	10.4	12.67	2.28
250	273	40	250	273	58
10	10.75	10	12.51	15.74	2.44
300	323.9	40	300	323.9	64
12	12.75	10	14.64	17.87	2.51
		30	10.31	12.75	
		10	9.53	10.75	
		10	6.35	10.75	
		10	4.77	10.75	

Nominal Size	Pipe O.D.	Working Pressure	Dimensions		Bolt Size
			mm/in	psi/Mpa	
25	33.7	40	58	98	45
1	1.327	2.77	2.28	3.85	1.77
32	42.4	40	68	106	45
1½	1.669	10	2.77	3.85	1.77
40	48.3	40	74	114	45
1½	1.9	10	2.91	4.49	1.77
50	60.3	40	86	126	45
2	2.375	10	3.39	4.96	1.77
65	73	40	98	137	45
2½	2.875	10	3.86	5.39	1.77
65	76.1	40	103	141	45
2½	3	10	4.06	5.55	1.77
80	88.9	40	114	158	45
3	3.5	10	4.49	6.22	1.77
100	108	40	140	186	49
4	4.25	10	5.51	7.32	1.93
100	114.3	40	143	192	49
4	4.5	10	5.63	7.56	1.93
125	133	40	164	216	50
5	5.25	10	6.46	8.5	1.96
125	139.7	40	172	223	50
5	5.5	10	6.77	8.78	1.96
125	141.3	40	173	225	50
5	5.563	10	6.81	8.86	1.96
150	159	40	193	246	50
6	6.25	10	7.59	9.69	1.96
150	165.1	40	199	252	50
6	6.5	10	7.83	9.92	1.96
150	168.3	40	202	252	50
6	6.625	10	7.95	9.92	1.96
200	219.1	40	255	322	58
8	8.625	10	10.4	12.67	2.28
250	273	40	250	273	58
10	10.75	10	12.51	15.74	2.44
300	323.9	40	300	323.9	64
12	12.75	10	14.64	17.87	2.51
		30	10.31	12.75	
		10	9.53	10.75	
		10	6.35	10.75	
		10	4.77	10.75	

Product size

Reducing Flexible Coupling

According to different situation, the appearance can be deal with epoxy powder, hot-dipped galvanization, paint, dacromet or your requirement.



Reducing Flexible Coupling

Nominal Size	Pipe OD,	Working Pressure	Dimensions			Bolt Size
			A	B	C	
50 x 32	60.3 x 42.4		86	125	44	2-3/8 x 55
2 x 1 $\frac{1}{4}$	2.375 x 1.660		3.39	4.93	1.74	2-M10 x 57
50 x 40	60.3 x 48.3		86	125	44	2-3/8 x 55
2 x 1 $\frac{1}{2}$	2.375 x 1.900		3.39	4.93	1.74	2-M10 x 57
65 x 25	73.0 x 33.7		100	138	45	2-3/8 x 55
2 $\frac{1}{2}$ x 1	2.875 x 1.327		3.94	5.44	1.78	2-M10 x 57
65 x 32	73.0 x 42.4		100	138	45	2-3/8 x 55
2 $\frac{1}{2}$ x 1 $\frac{1}{4}$	2.875 x 1.660		3.94	5.44	1.78	2-M10 x 57
65 x 40	73.0 x 48.3		100	138	45	2-3/8 x 55
2 $\frac{1}{2}$ x 1 $\frac{1}{2}$	2.875 x 1.900		3.94	5.44	1.78	2-M10 x 57
65 x 50	73.0 x 60.3		100	138	45	2-3/8 x 55
2 $\frac{1}{2}$ x 2	2.875 x 2.375		3.94	5.44	1.78	2-M10 x 57
65 x 25	76.0 x 33.7		102	140	45	2-3/8 x 55
2 $\frac{1}{2}$ x 1	3.000 x 1.327		4.02	5.51	1.78	2-M10 x 57
65 x 40	76.1 x 48.3		102	140	45	2-3/8 x 55
2 $\frac{1}{2}$ x 1 $\frac{1}{4}$	3.000 x 1.900		4.02	5.51	1.78	2-M10 x 57
65 x 50	76.1 x 60.3		102	140	45	2-3/8 x 55
2 $\frac{1}{2}$ x 2	3.000 x 2.375		4.02	5.51	1.78	2-M10 x 57
80 x 25	88.9 x 33.7	300Psi 2.07Mpa	115	168	46	2-1/2 x 70
3 x 1	3.500 x 1.327		4.53	6.61	1.81	2-M12 x 70
80 x 40	88.9 x 48.3		115	168	46	2-1/2 x 70
3 x 1 $\frac{1}{2}$	3.500 x 1.900		4.53	6.61	1.81	2-M12 x 70
80 x 50	88.9 x 60.3		115	168	46	2-1/2 x 70
3 x 2	3.500 x 2.375		4.53	6.61	1.81	2-M12 x 70
80 x 65	88.9 x 73.0		115	168	46	2-1/2 x 70
3 x 2 $\frac{1}{2}$	3.500 x 2.875		4.53	6.61	1.81	2-M12 x 70
80 x 65	88.9 x 76.1		115	168	46	2-1/2 x 70
3 x 2 $\frac{1}{2}$	3.500 x 3.000		4.53	6.61	1.81	2-M12 x 70
100 x 25	114.3 x 33.7		144	198	50	2-1/2 x 70
4 x 1	4.500 x 1.327		5.67	7.8	1.97	2-M12 x 70
100 x 40	114.3 x 48.3		144	198	50	2-1/2 x 70
4 x 1 $\frac{1}{2}$	4.500 x 1.900		5.67	7.8	1.97	2-M12 x 70
100 x 50	114.3 x 60.3		144	198	50	2-1/2 x 70
4 x 2	4.500 x 2.375		5.67	7.8	1.97	2-M12 x 70
100 x 65	114.3 x 73.0		144	198	50	2-1/2 x 70
4 x 2 $\frac{1}{2}$	4.500 x 2.875		5.67	7.8	1.97	2-M12 x 70
100 x 65	114.3 x 76.1		144	198	50	2-1/2 x 70
4 x 2 $\frac{1}{2}$	4.500 x 3.000		5.67	7.8	1.97	2-M12 x 70
100 x 80	114.3 x 86.9		144	198	50	2-1/2 x 70
4 x 3	4.500 x 3.500		5.67	7.8	1.97	2-M12 x 70
150 x 80	165.1 x 88.9		200	260	51	2-5/8 x 85
6 x 3	6.500 x 3.500		7.87	10.24	2.01	2-M16 x 85
150 x 100	165.1 x 88.9		200	260	51	2-5/8 x 85
6 x 4	6.500 x 4.500		7.87	10.24	2.01	2-M16 x 85
150 x 80	165.1 x 88.9		202.5	268	52.5	2-5/8 x 85
6 x 3	6.500 x 3.500		7.97	10.55	2.07	2-M16 x 85
150 x 100	165.1 x 114.3		202.5	268	52.5	2-5/8 x 85
6 x 4	6.500 x 4.500		7.97	10.55	2.07	2-M16 x 85
200 x 150	219.1 x 165.1		260	338	60	2-3/4 x 115
6 x 6	8.625 x 6.500		10.24	13.31	2.36	2-M20 x 115
200 x 150	219.1 x 168.3		260	338	60	2-3/4 x 115
6 x 6	8.625 x 6.625		10.24	13.31	2.36	2-M20 x 115

Product size

Angle Pad Coupling

This couplings available where moderate pressures are expected or weight considerations are a factor. this style couplings are designed with cross-ribbed construction to provide strong component for pressure piping systems and usually used in fire protection, feed water, oil or gas and etc.



Angle Pad Coupling

Nominal Size	Pipe OD.	Working Pressure	Dimensions			Bolt Size
			A mm	B mm	C mm	
25	33.7	300Psi 2.07Mpa	56	98	45	3/8*45-2
1	1.327		2.26	3.85	1.77	
32	42.4		68	106	45	3/8*45-2
1 1/4	1.669		2.68	4.17	1.77	
40	48.3		74	114	45	3/8*45-2
1 1/2	1.9		2.91	4.49	1.77	
50	60.3		86	126	45	3/8*55-2
2	2.375		3.39	4.96	1.77	
65	73		98	137	45	3/8*55-2
2 1/2	2.875		3.86	5.39	1.77	
65	76.1		103	141	45	3/8*55-2
2 1/2	3		4.06	5.55	1.77	
80	89.9	300Psi 2.07Mpa	114	158	45	3/8*55-2
3	3.5		4.49	6.22	1.77	
100	108		140	186	49	1/2*65-2
4	4.25		5.51	7.32	1.93	
100	114.3		143	192	49	1/2*65-2
4	4.5		5.63	7.56	1.93	
125	133		164	216	50	1/2*75-2
5	5.25		6.46	8.5	1.96	
125	139.7		172	223	50	1/2*75-2
5	5.5		6.77	8.78	1.96	
125	141.3		173	225	50	1/2*75-2
5	5.563		6.81	8.86	1.96	
150	159	300Psi 2.07Mpa	193	246	50	1/2*75-2
6	6.25		7.59	9.69	1.96	
150	165.1		199	252	50	1/2*75-2
6	6.5		7.83	9.92	1.96	
150	168.3		202	252	50	1/2*75-2
6	6.625		7.95	9.92	1.96	
200	219.1		255	322	58	5/8*95-2
8	8.625		10.04	12.67	2.28	
250	273		318	400	62	3/4*110-2
10	10.75		12.51	15.74	2.44	
300	323.9		372	454	64	3/4*120-2
12	12.75		14.64	17.87	2.51	

Pressure Ratings and End loads for Mech Couplings on Steel Pipe

Nom. Size	Pipe O.D	Pipe Sched	Wall Thick	Max.Work Press	Max.End Load
DN/in	mm	{ sch }	mm	Bar/Psi	KN/lbs
		40	3.38	35/500	3.0/680
25	33.7	10	2.77	35/500	3.0/680
		40	3.56	35/500	4.8/1080
32	42.4	10	2.77	35/500	4.8/1080
		40	3.68	35/500	6.3/1420
40	48.3	10	2.77	35/500	6.3/1420
		40	3.91	35/500	9.8/2210
50	60.3	10	2.77	35/500	9.8/2210
		40	5.16	35/500	14.4/3240
65	73	10	3.05	35/500	14.4/3240
		—	6.35		
65	76.1	—	5.08	35/500	15.7/3530
		—	3.81	35/500	15.7/3530
80	88.9	10	3.05	35/500	21.4/4800
		40	5.49	35/500	21.4/4800
100	114.3	10	3.05	35/500	35.4/7950
		40	6.02	35/500	35.4/7950
125	141.3	10	3.05	31/450	48.6/10930
		40	6.55	31/450	48.6/10930
150	165.1	10	3.4	31/450	66.4/14930
		—	6.35	31/450	66.4/14930
150	168.3	—	5.08	31/450	66.4/14930
		40	7.11	31/450	68.9/15500
150	168.3	10	3.4	31/450	68.9/15500
		40	8.18	31/450	116.8/26280
200	219.1	10	7.04	31/450	116.8/26280
		40	4.77	20/300	77.8/17500
250	273	10	9.27	20/300	121.0/27210
		40	7.8	20/300	121.0/27210
300	323.9	10	4.77	20/300	121.0/27210
		40	10.31	20/300	170.3/38280
		STD	9.53	20/300	170.3/38280
		30	6.35	20/300	170.3/38280
		10	4.77	20/300	170.3/38280

Ductile Iron Grooved Fittings and Couplings

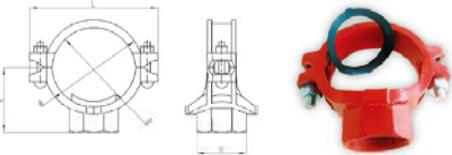
Weifang dahai lvbingchuan machinery group co.,ltd.



Product size

Mechanical Tee Threaded Outlet

According to different situation, the appearance can be deal with epoxy powder, hot-dipped zinc, paint, dacromet or your requirement.



Mechanical Tee Threaded Outlet

Nominal Size	Pipe OD, mm/in	Working Pressure, psi/Mpa	Head Dia, mm/in	Dimensions - mm/in				Bolt Size
				A, mm/in	B, mm/in	C, mm/in	D, mm/in	
25	60.3x33.7		38	118.74	60	40		M10x55-2
	2.375x1.315		1.5	46.29	2.36	1.57		
32	60.3x42.4		51	118.74	60	40		M10x55-2
	2.375x1.660		2.01	46.29	2.36	1.57		
40	60.3x48.3		51	118.74	60	40		M10x55-2
	2.375x1.900		2.01	46.29	2.36	1.57		
55	73.0x33.7		38	138.74	64	47		M12x70-2
	2.875x1.315		1.5	52.29	2.52	1.85		
62	73.0x42.4		51	132.74	64	47		M12x70-2
	2.875x1.660		2.01	52.29	2.52	1.85		
80	73.0x48.3		51	132.80	64	47		M12x70-2
	2.875x1.900		2.01	52.315	2.52	1.85		
95	76.1x33.7		38	144.74	64	49		M12x70-2
	3.000x1.315		1.5	56.729	2.52	1.93		
120	76.1x42.4		51	144.74	64	49		M12x70-2
	3.000x1.660		2.01	56.729	2.52	1.93		
140	76.1x48.3		51	144.80	64	49		M12x70-2
	3.000x1.900		2.01	56.7315	2.52	1.93		
150	80.3x33.7		38	144.74	70	55		M12x70-2
	3.500x1.315		1.5	56.729	2.76	2.17		
170	80.3x42.4		51	146.74	70	55		M12x70-2
	3.500x1.660		2.01	56.729	2.76	2.17		
200	80.3x48.3		51	146.80	70	55		M12x70-2
	3.500x1.900		2.01	56.7315	2.76	2.17		
250	88.9x33.7		38	146.74	70	55		M12x70-2
	3.500x1.315		1.5	56.729	2.76	2.17		
300	88.9x42.4		51	146.86	73	55		M12x70-2
	3.500x1.660		2.01	57.639	2.81	2.17		
350	88.9x48.3		51	146.86	77	55		M12x70-2
	3.500x1.900		2.01	57.639	3.03	2.17		
400	88.9x55.5		51	146.86	80	55		M12x70-2
	3.500x1.900		2.01	57.639	3.25	2.17		
450	88.9x62.5		51	146.86	84	55		M12x70-2
	3.500x1.900		2.01	57.639	3.47	2.17		
500	88.9x69.5		51	146.86	88	55		M12x70-2
	3.500x1.900		2.01	57.639	3.69	2.17		
550	88.9x76.5		51	146.86	92	55		M12x70-2
	3.500x1.900		2.01	57.639	3.91	2.17		
600	88.9x83.5		51	146.86	96	55		M12x70-2
	3.500x1.900		2.01	57.639	4.13	2.17		
650	88.9x90.5		51	146.86	100	55		M12x70-2
	3.500x1.900		2.01	57.639	4.35	2.17		
700	88.9x97.5		51	146.86	104	55		M12x70-2
	3.500x1.900		2.01	57.639	4.57	2.17		
750	88.9x104.5		51	146.86	108	55		M12x70-2
	3.500x1.900		2.01	57.639	4.79	2.17		
800	88.9x111.5		51	146.86	112	55		M12x70-2
	3.500x1.900		2.01	57.639	5.01	2.17		
850	88.9x118.5		51	146.86	116	55		M12x70-2
	3.500x1.900		2.01	57.639	5.23	2.17		
900	88.9x125.5		51	146.86	120	55		M12x70-2
	3.500x1.900		2.01	57.639	5.45	2.17		
950	88.9x132.5		51	146.86	124	55		M12x70-2
	3.500x1.900		2.01	57.639	5.67	2.17		
1000	88.9x139.5		51	146.86	128	55		M12x70-2
	3.500x1.900		2.01	57.639	5.89	2.17		
1050	88.9x146.5		51	146.86	132	55		M12x70-2
	3.500x1.900		2.01	57.639	6.11	2.17		
1100	88.9x153.5		51	146.86	136	55		M12x70-2
	3.500x1.900		2.01	57.639	6.33	2.17		
1150	88.9x160.5		51	146.86	140	55		M12x70-2
	3.500x1.900		2.01	57.639	6.55	2.17		
1200	88.9x167.5		51	146.86	144	55		M12x70-2
	3.500x1.900		2.01	57.639	6.77	2.17		
1250	88.9x174.5		51	146.86	148	55		M12x70-2
	3.500x1.900		2.01	57.639	6.99	2.17		
1300	88.9x181.5		51	146.86	152	55		M12x70-2
	3.500x1.900		2.01	57.639	7.21	2.17		
1350	88.9x188.5		51	146.86	156	55		M12x70-2
	3.500x1.900		2.01	57.639	7.43	2.17		
1400	88.9x195.5		51	146.86	160	55		M12x70-2
	3.500x1.900		2.01	57.639	7.65	2.17		
1450	88.9x202.5		51	146.86	164	55		M12x70-2
	3.500x1.900		2.01	57.639	7.87	2.17		
1500	88.9x209.5		51	146.86	168	55		M12x70-2
	3.500x1.900		2.01	57.639	8.09	2.17		
1550	88.9x216.5		51	146.86	172	55		M12x70-2
	3.500x1.900		2.01	57.639	8.31	2.17		
1600	88.9x223.5		51	146.86	176	55		M12x70-2
	3.500x1.900		2.01	57.639	8.53	2.17		
1650	88.9x230.5		51	146.86	180	55		M12x70-2
	3.500x1.900		2.01	57.639	8.75	2.17		
1700	88.9x237.5		51	146.86	184	55		M12x70-2
	3.500x1.900		2.01	57.639	8.97	2.17		
1750	88.9x244.5		51	146.86	188	55		M12x70-2
	3.500x1.900		2.01	57.639	9.19	2.17		
1800	88.9x251.5		51	146.86	192	55		M12x70-2
	3.500x1.900		2.01	57.639	9.41	2.17		
1850	88.9x258.5		51	146.86	196	55		M12x70-2
	3.500x1.900		2.01	57.639	9.63	2.17		
1900	88.9x265.5		51	146.86	200	55		M12x70-2
	3.500x1.900		2.01	57.639	9.85	2.17		
1950	88.9x272.5		51	146.86	204	55		M12x70-2
	3.500x1.900		2.01	57.639	10.07	2.17		
2000	88.9x279.5		51	146.86	208	55		M12x70-2
	3.500x1.900		2.01	57.639	10.31	2.17		
2050	88.9x286.5		51	146.86	212	55		M12x70-2
	3.500x1.900		2.01	57.639	10.53	2.17		
2100	88.9x293.5		51	146.86	216	55		M12x70-2
	3.500x1.900		2.01	57.639	10.75	2.17		
2150	88.9x300.5		51	146.86	220	55		M12x70-2
	3.500x1.900		2.01	57.639	11.07	2.17		
2200	88.9x307.5		51	146.86	224	55		M12x70-2
	3.500x1.900		2.01	57.639	11.31	2.17		
2250	88.9x314.5		51	146.86	228	55		M12x70-2
	3.500x1.900		2.01	57.639	11.53	2.17		
2300	88.9x321.5		51	146.86	232	55		M12x70-2
	3.500x1.900		2.01	57.639	11.75	2.17		
2350	88.9x328.5		51	146.86	236	55		M12x70-2
	3.500x1.900		2.01	57.639	11.97	2.17		
2400	88.9x335.5		51	146.86	240	55		M12x70-2
	3.500x1.900		2.01	57.639	12.19	2.17		
2450	88.9x342.5		51	146.86	244	55		M12x70-2
	3.500x1.900		2.01	57.639	12.41	2.17		
2500	88.9x349.5		51	146.86	248	55		M12x70-2
	3.500x1.900		2.01	57.639	12.63	2.17		
2550	88.9x356.5		51	146.86	252	55		M12x70-2
	3.500x1.900		2.01	57.639	12.85	2.17		
2600	88.9x363.5		51	146.86	256	55		M12x70-2
	3.500x1.900		2.01	57.639	13.07	2.17		
2650	88.9x370.5		51	146.86	260	55		M12x70-2
	3.500x1.900		2.01	57.639	13.29	2.17		
2700	88.9x377.5		51	146.86	264	55		M12x70-2
	3.500x1.900		2.01	57.639	13.51	2.17		
2750	88.9x384.5		51	146.86	268	55		M12x70-2
	3.500x1.900		2.01	57.639	13.73	2.17		
2800	88.9x391.5		51	146.86	272	55		M12x70-2
	3.500x1.900		2.01	57.639	13.95	2.17		
2850	88.9x398.5		51	146.86	276	55		M12x70-2
	3.500x1.900		2.01	57.639	14.17	2.17		
2900	88.9x405.5		51	146.86	280	55		M12x70-2
	3.500x1.900		2.01	57.639	14.39	2.17		
2950	88.9x412.5		51	146.86	284	55		M12x70-2
	3.500x1.900		2.01	57.639	14.61	2.17		
3000	88.9x419.5		51	146.86	288	55		M12x70-2
	3.500x1.900							

Ductile Iron Grooved Fittings and Couplings

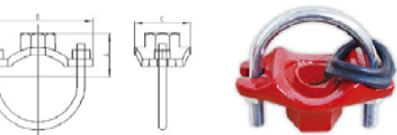
Weifang dahai lvbingchuan machinery group co.,ltd.



Product size

U Bolt Mechanical Tee

According to different situation, the appearance can be deal with epoxy powder, hot-dipped zinc, paint, dacromet or your requirement.



Grooved Reducing Cross

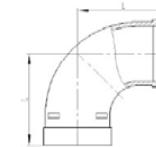
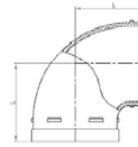
According to different situation, the appearance can be deal with epoxy powder, hot-dipped zinc, paint, dacromet or your requirement.



U Bolt Mechanical Tee							
Nominal Size	Pipe OD.	Working Pressure	HeieDia	Dimensions mm/in		Bolt Size	
				Mm/in	A mm		
300Psi 2.07Mpa	32 x 15	42.4 x 21.3	1.660 x 0.825	30	43	56	M10 x 42U
	1 1/2 x 1	42.4 x 26.9	1.660 x 1.050	30	43	56	M10 x 42U
	32 x 20	42.4 x 33.7	1.660 x 1.315	30	51	56	M10 x 42U
	1 1/2 x 1	48.3 x 21.3	1.900 x 0.825	30	46	56	M10 x 48U
	40 x 15	48.3 x 26.9	1.900 x 1.050	30	49	56	M10 x 48U
	1 1/2 x 1	48.3 x 33.7	1.900 x 1.315	30	54	56	M10 x 48U
	50 x 15	60.3 x 21.3	2.375 x 0.825	30	52	56	M10 x 60U
	50 x 20	60.3 x 26.9	2.375 x 1.050	30	52	56	M10 x 60U
	2 x 3/4	60.3 x 33.7	2.375 x 1.315	30	52	56	M10 x 60U
	50 x 25	60.3 x 40.0	2.375 x 1.660	30	60	56	M10 x 60U
300Psi 2.07Mpa	65 x 15	76.1 x 21.3	2.375 x 0.825	30	60	112	M10 x 76U
	2 1/2 x 1	76.1 x 26.9	3.000 x 0.825	30	60	112	M10 x 76U
	65 x 20	76.1 x 33.7	3.000 x 1.050	30	68	112	M10 x 76U
	2 1/2 x 1	76.1 x 40.0	3.000 x 1.315	30	68	112	M10 x 76U
	65 x 25	76.1 x 46.7	3.000 x 1.660	30	76	112	M10 x 76U
	2 1/2 x 1	76.1 x 53.3	3.000 x 2.000	30	76	112	M10 x 76U
	65 x 30	76.1 x 60.0	3.000 x 2.375	30	84	112	M10 x 76U
	2 1/2 x 1	76.1 x 66.7	3.000 x 2.750	30	84	112	M10 x 76U
	65 x 35	76.1 x 73.3	3.000 x 3.125	30	92	112	M10 x 76U
	2 1/2 x 1	76.1 x 80.0	3.000 x 3.500	30	92	112	M10 x 76U

Nominal Size	Pipe OD.	Working Pressure	Dimensions		Dimensions
			L1mm/in	L2mm/in	
300Psi 2.07Mpa	100 x 50	114.3 x 60.3	127	127	
	4 x 2	4.500 x 2.375	5	5	
	100 x 65	114.3 x 76.1	127	127	
	4 x 2 1/2	4.500 x 3.000	5	5	
	100 x 80	114.3 x 88.9	127	127	
	4 x 3	4.500 x 3.500	5	5	
	150 x 100	165.1 x 114.3	165	165	
	6 x 4	6.500 x 4.500	6.5	6.5	
	150 x 50	168.3 x 60.3	165	165	
	6 x 2	6.625 x 2.375	6.5	6.5	
300Psi 2.07Mpa	150 x 65	168.3 x 76.1	165	165	
	6 x 2 1/2	6.625 x 3.000	6.5	6.5	
	150 x 80	168.3 x 88.9	165	165	
	6 x 3	6.625 x 3.500	6.5	6.5	
	150 x 100	168.3 x 114.3	165	165	
	6 x 4	6.625 x 4.500	6.5	6.5	

90° Elbow



90° Elbow(SHORT)

Nominal Size	Pipe OD	Working Pressure	Dimensions	
			mm	mm
25	33.7		57	
1	1.327		2.24	
32	42.4		60	
1 1/4	1.669		2.36	
40	48.3		60	
1 1/2	1.9		2.36	
50	60.3		70	
2	2.375		2.76	
65	73		76	
2 1/2	2.875		2.99	
65	76.1		76	
2 1/2	3		2.99	
80	88.9		86	
3	3.5		3.39	
100	108		102	
4	4.25		4.02	
100	114.3		102	
4	4.5		4.02	
125	133		121	
5	5.25		4.76	
125	139.7		121	
5	5.5		4.76	
125	141.3		121	
5	5.563		4.76	
150	159		140	
6	6.25		5.25	
150	165.1		125	
6	6.5		139.7	
150	168.3		5	
6	6.625		5.5	
200	219.1		125	
8	8.625		140	
250	273		121	
10	10.75		140	
300	323.9		175	
12	12.75		8.625	
		9.65	250	
			273	
			10.75	
			300	
			323.9	
			12.75	

90° Elbow(LONG)

Nominal Size	Pipe OD	Working Pressure	Dimensions	
			mm	mm
25	33.7		70	
1	1.327		2.76	
32	42.4		70	
1 1/4	1.669		2.76	
40	48.3		70	
1 1/2	1.9		2.76	
50	60.3		82	
2	2.375		3.23	
65	73		95	
2 1/2	2.875		3.74	
65	76.1		95	
2 1/2	3		3.74	
80	88.9		108	
3	3.5		4.25	
100	108		127	
4	4.25		5	
100	114.3		127	
4	4.5		5	
125	133		140	
5	5.25		5.51	
125	139.7		140	
5	5.5		5.51	
125	141.3		140	
5	5.563		5.51	
150	159		165	
6	6.25		6.5	
150	165.1		165	
6	6.5		6.5	
150	168.3		165	
6	6.625		6.625	
200	219.1		197	
8	8.625		7.76	
250	273		229	
10	10.75		9.02	
300	323.9		254	
12	12.75		10	

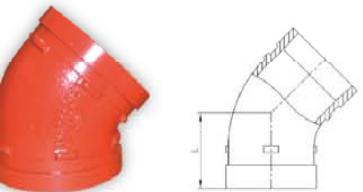
Ductile Iron Grooved Fittings and Couplings

Weifang dahai lvbingchuan machinery group co.,ltd.



Product size

45° Elbow



45° Elbow

Nominal Size	Pipe OD.	Working Pressure	Dimensions
mm/in	mm/in	psi/Mpa	Lmm/in
25	33.7	45	
1	1.327	1.77	
32	42.4	45	
1 $\frac{1}{4}$	1.669	1.77	
40	48.3	45	
1 $\frac{1}{2}$	1.9	1.77	
50	60.3	50	
2	2.375	1.97	
65	73	50	
2 $\frac{1}{2}$	2.875	1.97	
65	76.1	50	
2 $\frac{1}{2}$	3	1.97	
80	88.9	60	
3	3.5	2.36	
100	108	70	
4	4.25	2.76	
100	114.3	70	
4	4.5	2.76	
125	133	125	
5	5.25	5	
125	139.7	125	
5	5.5	5	
125	141.3	150	
5	5.563	159	
150	159	6	
6	6.25	6.25	
150	165.1	150	
6	6.5	165.1	
150	168.3	150	
6	6.625	168.3	
200	219.1	6	
8	8.625	6.625	
250	273	200	
10	10.75	219.1	
300	323.9	8	
12	12.75	8.625	
		250	
		273	
		10.75	
		300	
		323.9	
		12	
		12.75	

22.5° Elbow



22.5° Elbow

Nominal Size	Pipe OD.	Working Pressure	Dimensions
mm/in	mm/in	psi/Mpa	Lmm/in
32	42.4	40	
1 $\frac{1}{4}$	1.669	1.57	
40	48.3	45	
1 $\frac{1}{2}$	1.9	1.77	
50	60.3	50	
2	2.375	1.97	
65	73	50	
2 $\frac{1}{2}$	2.875	1.97	
65	76.1	50	
2 $\frac{1}{2}$	3	1.97	
80	88.9	60	
3	3.5	2.36	
100	108	70	
4	4.25	2.76	
100	114.3	70	
4	4.5	2.76	
125	133	125	
5	5.25	5	
125	139.7	125	
5	5.5	5	
125	141.3	150	
5	5.563	159	
150	159	6	
6	6.25	6.25	
150	165.1	150	
6	6.5	165.1	
150	168.3	150	
6	6.625	168.3	
200	219.1	6	
8	8.625	6.625	
250	273	200	
10	10.75	219.1	
300	323.9	8	
12	12.75	8.625	
		250	
		273	
		10.75	
		300	
		323.9	
		12	
		12.75	

11.25° Elbow



11.25° Elbow

Nominal Size	Pipe OD.	Working Pressure	Dimensions
mm/in	mm/in	psi/Mpa	Lmm/in
32	42.4	35	
1 $\frac{1}{4}$	1.669	1.38	
40	48.3	40	
1 $\frac{1}{2}$	1.9	1.57	
50	60.3	40	
2	2.375	1.57	
65	73	40	
2 $\frac{1}{2}$	2.875	1.57	
65	76.1	40	
2 $\frac{1}{2}$	3	1.57	
80	88.9	40	
3	3.5	1.57	
100	108	45	
4	4.25	1.77	
100	114.3	45	
4	4.5	1.77	
125	133	50	
5	5.25	1.97	
125	139.7	50	
5	5.5	1.97	
125	141.3	50	
5	5.563	50	
150	159	6	
6	6.25	6.25	
150	165.1	150	
6	6.5	165.1	
150	168.3	150	
6	6.625	168.3	
200	219.1	6	
8	8.625	6.625	
250	273	200	
10	10.75	219.1	
300	323.9	8	
12	12.75	8.625	
		250	
		273	
		10.75	
		300	
		323.9	
		12	
		12.75	

Product size

Cap



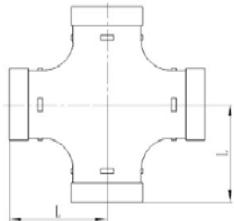
Cap

Nominal Size	Pipe OD.	Working Pressure	Dimensions
mm/in	mm/in	psi/Mpa	Lmm/in
25	33.7	25	
1	1.327	0.98	
32	42.4	25	
1 $\frac{1}{4}$	1.669	0.98	
40	48.3	25	
1 $\frac{1}{2}$	1.9	0.98	
50	60.3	25	
2	2.375	0.98	
65	73	25	
2 $\frac{1}{2}$	2.875	0.98	
65	76.1	25	
2 $\frac{1}{2}$	3	0.98	
80	88.9	27	
3	3.5	0.98	
100	108	40	
4	4.25	2.07Mpa	
100	114.3	40	
4	4.5	2.07Mpa	
125	133	50	
5	5.25	1.06	
125	139.7	50	
5	5.5	1.06	
125	141.3	50	
5	5.563	50	
150	159	6	
6	6.25	6.25	
150	165.1	150	
6	6.5	165.1	
150	168.3	150	
6	6.625	168.3	
200	219.1	6	
8	8.625	6.625	
250	273	200	
10	10.75	219.1	
300	323.9	8	
12	12.75	8.625	
		250	
		273	
		10.75	
		300	
		323.9	
		12	
		12.75	

Product size

Cross

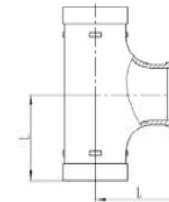
According to different situation, the appearance can be dealed with epoxy powder, hot-dipped zinc, paint, dacromet or your requirement.



Cross

Nominal Size mm/in	Pipe OD. mm/in	Working Pressure psi/Mpa	Dimensions Lmm/in
25	33.7		70
1	1.327		2.76
32	42.4		70
1½	1.669		2.76
40	48.3		70
1½	1.9		2.76
50	60.3		82
2	2.375		3.23
65	73		95
2½	2.875		3.74
65	76.1		95
2½	3		3.74
80	88.9		108
3	3.5		4.25
100	108		127
4	4.25		5
100	114.3		127
4	4.5		5
125	133		140
5	5.25		5.51
125	139.7		140
5	5.5		5.51
125	141.3		140
5	5.563		5.51
150	159		165
6	6.25		6.5
150	165.1		165
6	6.5		6.5
150	168.3		165
6	6.625		6.5
200	219.1		197
8	8.625		7.76
250	273		229
10	10.75		9.02
300	323.9		254
12	12.75		10

Tee



Tee(LONG)

Nominal Size mm/in	Pipe OD. mm/in	Working Pressure psi/Mpa	Dimensions Lmm/in
25	33.7		70
1	1.327		2.76
32	42.4		70
1½	1.669		2.76
40	48.3		70
1½	1.9		2.76
50	60.3		82
2	2.375		3.23
65	73		95
2½	2.875		3.74
65	76.1		95
2½	3		3.74
80	88.9		108
3	3.5		4.25
100	108		127
4	4.25		5
100	114.3		127
4	4.5		5
125	133		140
5	5.25		5.51
125	139.7		140
5	5.5		5.51
125	141.3		140
5	5.563		5.51
150	159		165
6	6.25		6.5
150	165.1		165
6	6.5		6.5
150	168.3		165
6	6.625		6.5
200	219.1		197
8	8.625		7.76
250	273		229
10	10.75		9.02
300	323.9		254
12	12.75		10

Tee(SHORT)

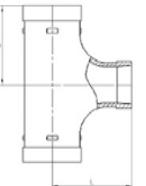
Nominal Size mm/in	Pipe OD. mm/in	Working Pressure psi/Mpa	Dimensions Lmm/in
25	33.7		57
1	1.327		2.24
32	42.4		60
1½	1.669		2.36
40	48.3		60
1½	1.9		2.36
50	60.3		70
2	2.375		2.76
65	73		76
2½	2.875		2.99
65	76.1		76
2½	3		2.99
80	88.9		86
3	3.5		3.39
100	108		102
4	4.25		4.02
100	114.3		102
4	4.5		4.02
125	133		121
5	5.25		4.76
125	139.7		121
5	5.5		4.76
125	141.3		121
5	5.563		4.76
150	159		140
6	6.25		5.51
150	165.1		140
6	6.5		5.51
150	168.3		140
6	6.625		5.51
200	219.1		175
8	8.625		6.89
250	273		215
10	10.75		8.46
300	323.9		245
12	12.75		9.65

According to different situation, the appearance can be dealed with epoxy powder, hot-dipped zinc, paint, dacromet or your requirement.

Product size

Grooved Reducing Tee

According to different situation,the appearance can be deal with epoxy powder, hot-dipped zinc,paint,dacromet or your requirement.



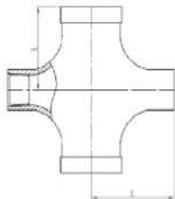
Grooved Reducing Tee

Nominal Size	Pipe OD.	Working Pressure	Dimensions	
mm/in	mm/in	psi/Mpa	L1mm/in	L2mm/in
50×25	60.3×33.7		82	82
2×1	2.375×1.315		3.23	3.23
50×32	60.3×42.4		82	82
2×1 _{1/2}	2.375×1.660		3.23	3.23
50×40	60.3×48.3		82	82
2×1 _{1/2}	2.375×1.900		3.23	3.23
65×32	73.0×42.4		95	95
2 _{1/2} ×1 _{1/2}	2.875×1.660		3.74	3.74
65×40	73.0×48.3		95	95
2 _{1/2} ×1 _{1/2}	2.875×1.900		3.74	3.74
65×50	73.0×60.3		95	95
2 _{1/2} ×2	2.875×2.375		3.74	3.74
65×32	76.1×42.4		95	95
2 _{1/2} ×1 _{1/2}	3.000×1.660		3.74	3.74
65×40	76.1×48.3		95	95
2 _{1/2} ×1 _{1/2}	3.000×1.900		3.74	3.74
65×50	76.1×60.3		95	95
2 _{1/2} ×2	3.000×2.375		3.74	3.74
65×32	78.1×42.4		95	95
2 _{1/2} ×1 _{1/2}	3.000×1.660		3.74	3.74
65×40	78.1×48.3		95	95
2 _{1/2} ×1 _{1/2}	3.000×1.900		3.74	3.74
65×50	78.1×60.3		95	95
2 _{1/2} ×2	3.000×2.375		3.74	3.74
65×32	80.1×42.4		95	95
2 _{1/2} ×1 _{1/2}	3.000×1.660		3.74	3.74
65×40	80.1×48.3		95	95
2 _{1/2} ×1 _{1/2}	3.000×1.900		3.74	3.74
65×50	80.1×60.3		95	95
2 _{1/2} ×2	3.000×2.375		3.74	3.74
65×32	82.1×42.4		95	95
2 _{1/2} ×1 _{1/2}	3.000×1.660		3.74	3.74
65×40	82.1×48.3		95	95
2 _{1/2} ×1 _{1/2}	3.000×1.900		3.74	3.74
65×50	82.1×60.3		95	95
2 _{1/2} ×2	3.000×2.375		3.74	3.74
65×32	84.1×42.4		95	95
2 _{1/2} ×1 _{1/2}	3.000×1.660		3.74	3.74
65×40	84.1×48.3		95	95
2 _{1/2} ×1 _{1/2}	3.000×1.900		3.74	3.74
65×50	84.1×60.3		95	95
2 _{1/2} ×2	3.000×2.375		3.74	3.74
65×32	86.1×42.4		95	95
2 _{1/2} ×1 _{1/2}	3.000×1.660		3.74	3.74
65×40	86.1×48.3		95	95
2 _{1/2} ×1 _{1/2}	3.000×1.900		3.74	3.74
65×50	86.1×60.3		95	95
2 _{1/2} ×2	3.000×2.375		3.74	3.74
65×32	88.1×42.4		95	95
2 _{1/2} ×1 _{1/2}	3.000×1.660		3.74	3.74
65×40	88.1×48.3		95	95
2 _{1/2} ×1 _{1/2}	3.000×1.900		3.74	3.74
65×50	88.1×60.3		95	95
2 _{1/2} ×2	3.000×2.375		3.74	3.74
65×32	90.1×42.4		95	95
2 _{1/2} ×1 _{1/2}	3.000×1.660		3.74	3.74
65×40	90.1×48.3		95	95
2 _{1/2} ×1 _{1/2}	3.000×1.900		3.74	3.74
65×50	90.1×60.3		95	95
2 _{1/2} ×2	3.000×2.375		3.74	3.74
65×32	92.1×42.4		95	95
2 _{1/2} ×1 _{1/2}	3.000×1.660		3.74	3.74
65×40	92.1×48.3		95	95
2 _{1/2} ×1 _{1/2}	3.000×1.900		3.74	3.74
65×50	92.1×60.3		95	95
2 _{1/2} ×2	3.000×2.375		3.74	3.74
65×32	94.1×42.4		95	95
2 _{1/2} ×1 _{1/2}	3.000×1.660		3.74	3.74
65×40	94.1×48.3		95	95
2 _{1/2} ×1 _{1/2}	3.000×1.900		3.74	3.74
65×50	94.1×60.3		95	95
2 _{1/2} ×2	3.000×2.375		3.74	3.74
65×32	96.1×42.4		95	95
2 _{1/2} ×1 _{1/2}	3.000×1.660		3.74	3.74
65×40	96.1×48.3		95	95
2 _{1/2} ×1 _{1/2}	3.000×1.900		3.74	3.74
65×50	96.1×60.3		95	95
2 _{1/2} ×2	3.000×2.375		3.74	3.74
65×32	98.1×42.4		95	95
2 _{1/2} ×1 _{1/2}	3.000×1.660		3.74	3.74
65×40	98.1×48.3		95	95
2 _{1/2} ×1 _{1/2}	3.000×1.900		3.74	3.74
65×50	98.1×60.3		95	95
2 _{1/2} ×2	3.000×2.375		3.74	3.74
65×32	100.1×42.4		95	95
2 _{1/2} ×1 _{1/2}	3.000×1.660		3.74	3.74
65×40	100.1×48.3		95	95
2 _{1/2} ×1 _{1/2}	3.000×1.900		3.74	3.74
65×50	100.1×60.3		95	95
2 _{1/2} ×2	3.000×2.375		3.74	3.74
65×32	102.1×42.4		95	95
2 _{1/2} ×1 _{1/2}	3.000×1.660		3.74	3.74
65×40	102.1×48.3		95	95
2 _{1/2} ×1 _{1/2}	3.000×1.900		3.74	3.74
65×50	102.1×60.3		95	95
2 _{1/2} ×2	3.000×2.375		3.74	3.74
65×32	104.1×42.4		95	95
2 _{1/2} ×1 _{1/2}	3.000×1.660		3.74	3.74
65×40	104.1×48.3		95	95
2 _{1/2} ×1 _{1/2}	3.000×1.900		3.74	3.74
65×50	104.1×60.3		95	95
2 _{1/2} ×2	3.000×2.375		3.74	3.74
65×32	106.1×42.4		95	95
2 _{1/2} ×1 _{1/2}	3.000×1.660		3.74	3.74
65×40	106.1×48.3		95	95
2 _{1/2} ×1 _{1/2}	3.000×1.900		3.74	3.74
65×50	106.1×60.3		95	95
2 _{1/2} ×2	3.000×2.375		3.74	3.74
65×32	108.1×42.4		95	95
2 _{1/2} ×1 _{1/2}	3.000×1.660		3.74	3.74
65×40	108.1×48.3		95	95
2 _{1/2} ×1 _{1/2}	3.000×1.900		3.74	3.74
65×50	108.1×60.3		95	95
2 _{1/2} ×2	3.000×2.375		3.74	3.74
65×32	110.1×42.4		95	95
2 _{1/2} ×1 _{1/2}	3.000×1.660		3.74	3.74
65×40	110.1×48.3		95	95
2 _{1/2} ×1 _{1/2}	3.000×1.900		3.74	3.74
65×50	110.1×60.3		95	95
2 _{1/2} ×2	3.000×2.375		3.74	3.74
65×32	112.1×42.4		95	95
2 _{1/2} ×1 _{1/2}	3.000×1.660		3.74	3.74
65×40	112.1×48.3		95	95
2 _{1/2} ×1 _{1/2}	3.000×1.900		3.74	3.74
65×50	112.1×60.3		95	95
2 _{1/2} ×2	3.000×2.375		3.74	3.74
65×32	114.1×42.4		95	95
2 _{1/2} ×1 _{1/2}	3.000×1.660		3.74	3.74
65×40	114.1×48.3		95	95
2 _{1/2} ×1 _{1/2}	3.000×1.900		3.74	3.74
65×50	114.1×60.3		95	95
2 _{1/2} ×2	3.000×2.375		3.74	3.74
65×32	116.1×42.4		95	95
2 _{1/2} ×1 _{1/2}	3.000×1.660		3.74	3.74
65×40	116.1×48.3		95	95
2 _{1/2} ×1 _{1/2}	3.000×1.900		3.74	3.74
65×50	116.1×60.3		95	95
2 _{1/2} ×2	3.000×2.375		3.74	3.74
65×32	118.1×42.4		95	95
2 _{1/2} ×1 _{1/2}	3.000×1.660		3.74	3.74
65×40	118.1×48.3		95	95
2 _{1/2} ×1 _{1/2}	3.000×1.900		3.74	3.74
65×50	118.1×60.3		95	95
2 _{1/2} ×2	3.000×2.375		3.74	3.74
65×32	120.1×42.4		95	95
2 _{1/2} ×1 _{1/2}	3.000×1.660		3.74	3.74
65×40	120.1×48.3		95	95
2 _{1/2} ×1 _{1/2}	3.000×1.900		3.74	3.74
65×50	120.1×60.3		95	95
2 _{1/2} ×2	3.000×2.375		3.74	3.74
65×32	122.1×42.4		95	95
2 _{1/2} ×1 _{1/2}	3.000×1.660		3.74	3.74
65×40	122.1×48.3		95	95
2 _{1/2} ×1 _{1/2}	3.000×1.900		3.74	3.74
65×50	122.1×60.3		95	95
2 _{1/2} ×2	3.000×2.375		3.74	3.74
65×32	124.1×42.4		95	95
2 _{1/2} ×1 _{1/2}	3.000×1.660		3.74	3.74
65×40	124.1×48.3		95	95
2 _{1/2} ×1 _{1/2}	3.000×1.900		3.74	3.74
65×50	124.1×60.3		95	95
2 _{1/2} ×2	3.000×2.375		3.74	3.74
65×32	126.1×42.4		95	95
2 _{1/2} ×1 _{1/2}	3.000×1.660		3.74	3.74
65×40	126.1×48.3		95	95
2 _{1/2} ×1 _{1/2}	3.000×1.900		3.74	3.74
65×50	126.1×60.3		95	95
2 _{1/2} ×2	3.000×2.375		3.74	3.74
65×32	128.1×42.4		95	95
2 _{1/2} ×1 _{1/2}	3.000×1.660		3.74	3.74
65×40	128.1×48.3		95	95
2 _{1/2} ×1 _{1/2}	3.000×1.900		3.74	3.74
65×50	128.1×60.3		95	95
2 _{1/2} ×2	3.000×2.375		3.74	3.74
65×32	130.1×42.4		95	95
2 _{1/2} ×1 _{1/2}	3.000×1.660		3.74	3.74
65×40	130.1×48.3		95	95
2 _{1/2} ×1 _{1/2}	3.000×1.900		3.74	3.74
65×50	130.1×60.3		95	95
2 _{1/2} ×2	3.000×2.375		3.74	3.74
65×32	132.1×42.4		95	95
2 _{1/2} ×1 _{1/2}	3.000×1.660		3.74	3.74
65×40	132.1×48.3		95	95
2 _{1/2} ×1 _{1/2}	3.000×1.900		3.74	3.74
65×50	132.1×60.3		95	95
2 _{1/2} ×2	3.000×2.375		3.74	3.74
65×32	134.1×42.4		95	95
2 _{1/2} ×1 _{1/2}	3.000×1.660		3.74	3.74
65×40	134.1×48.3		95	95
2 _{1/2} ×1 _{1/2}	3.000×1.900		3.74	3.74
65×50	134.1×60.3		95	95
2 _{1/2} ×2</				

Product size

Threaded Reducing Cross

According to different situation, the appearance can be deal with epoxy powder, hot-dipped zinc, paint, dacromet or your requirement.



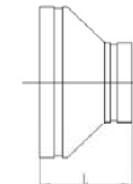
Threaded Reducing Cross

Nominal Size mm/in	Pipe OD. mm/in	Working Pressure psi/Mpa	Dimensions L1mm/in	Dimensions L2mm/in
100×25 4×1	114.3×33.7 4.500×1.315		127 5	127 5
100×32 4×1½	114.3×42.4 4.500×1.315		127 5	127 5
100×40 4×1¾	114.3×48.3 4.500×1.900		127 5	127 5
100×50 4×2	114.3×60.3 4.500×2.375		127 5	127 5
100×65 4×2½	114.3×76.1 4.500×3.000		127 5	127 5
100×80 4×3	114.3×88.9 4.500×3.500		127 5	127 5
125×32 5×1¼	139.7×42.4 5.500×1.315		140 5.51	140 5.51
125×40 5×1½	139.7×48.3 5.500×1.900		140 5.51	140 5.51
125×50 5×2	139.7×60.3 5.500×2.375		140 5.51	140 5.51
125×65 5×2½	139.7×76.1 5.500×3.000		140 5.51	140 5.51
125×80 5×3	139.7×88.9 5.500×3.500		140 5.51	140 5.51
150×25 6×1	165.1×33.7 6.500×1.315		165 6.5	165 6.5
150×32 6×1¼	165.1×42.4 6.500×1.315		165 6.5	165 6.5
150×40 6×1½	165.1×48.3 6.500×1.900		165 6.5	165 6.5
150×50 6×2	165.1×60.3 6.500×2.375		165 6.5	165 6.5
150×65 6×2½	165.1×76.1 6.500×3.000		165 6.5	165 6.5
150×80 6×3	165.1×88.9 6.500×3.500		165 6.5	165 6.5

Product size

Grooved Concentric Reducer

According to different situation, the appearance can be deal with epoxy powder, hot-dipped zinc, paint, dacromet or your requirement.



Grooved Concentric Reducer

Nominal Size mm/in	Pipe OD mm/in	Working Pressure psi/Mpa	Dimensions Lmm/in	Nominal Size mm/in	Pipe OD mm/in	Working Pressure psi/Mpa	Dimensions Lmm/in	Nominal Size mm/in	Pipe OD mm/in	Working Pressure psi/Mpa	Dimensions Lmm/in
32×25 1½×1	42.4×33.7 1.660×1.315		64 2.51	100×40 4×1½	114.3×48.3 4.500×1.900		76 2.99	100×65 4×2½	114.3×60.3 4.500×2.375		76 2.99
40×25 1½×1	48.3×33.7 1.900×1.315		64 2.51	100×80 4×3	114.3×88.9 4.500×3.500		76 2.99	100×100 6×4	165.1×114.3 6.500×4.500		102 4.01
40×32 1½×1½	48.3×42.4 1.900×1.660		64 2.51	125×32 2×1	139.7×42.4 2.375×1.315		76 2.99	150×80 6×3	165.1×88.9 6.500×3.500		102 4.01
50×32 2×1	60.3×33.7 2.375×1.315		64 2.51	125×50 5×2	139.7×60.3 2.375×1.660		89 3.5	150×100 6×4	165.1×139.7 6.500×5.500		102 4.01
50×40 2×1½	60.3×48.3 2.375×1.900		64 2.51	125×65 5×2	139.7×76.1 2.375×1.900		89 3.5	150×125 6×5	165.1×114.3 6.625×3.500		102 4.01
50×50 2×2	73.0×33.7 2.875×1.315		64 2.51	125×80 5×3	139.7×88.9 2.875×3.500		89 3.5	150×100 6×2	165.1×139.7 6.625×2.375		102 4.01
65×32 2½×1	73.0×42.4 2.875×1.660		64 2.51	125×100 5×4	139.7×114.3 5.500×4.500		89 3.5	150×125 6×5	165.1×114.3 6.625×3.000		102 4.01
65×40 2½×1½	73.0×48.3 2.875×1.900		64 2.51	125×50 5×2	139.7×60.3 2.875×1.900		89 3.5	150×100 6×4	165.1×139.7 6.625×4.500		102 4.01
65×50 2½×2	73.0×60.3 2.875×2.375		64 2.51	125×65 5×2	139.7×76.1 2.875×2.375		89 3.5	150×125 6×5	165.1×139.7 6.625×5.500		102 4.01
65×65 2½×2½	73.0×76.1 2.875×3.000		64 2.51	125×80 5×3	139.7×88.9 2.875×3.500		89 3.5	200×50 8×2	165.1×100.3 8.625×2.375		127 5
65×80 2½×3	73.0×88.9 2.875×3.500		64 2.51	125×100 5×4	139.7×114.3 2.875×4.500		89 3.5	200×65 8×2	165.1×114.3 8.625×4.500		127 5
80×32 3×1½	88.9×42.4 3.500×1.660		64 2.51	125×50 5×3	139.7×60.3 2.875×3.000		89 3.5	150×100 6×4	165.1×139.7 6.625×4.500		102 4.01
80×40 3×1½	88.9×48.3 3.500×1.900		64 2.51	125×65 6×2	139.7×76.1 2.875×3.500		89 3.5	150×125 6×5	165.1×114.3 6.625×5.500		102 4.01
80×50 3×2	88.9×60.3 3.500×2.375		64 2.51	125×80 6×3	139.7×88.9 2.875×4.500		89 3.5	200×80 8×3	165.1×100.3 8.625×3.500		127 5
80×65 3×2½	88.9×76.1 3.500×3.000		64 2.51	125×100 6×4	139.7×114.3 2.875×4.500		89 3.5	200×100 8×4	165.1×139.7 8.625×4.500		127 5
100×65 4×2½	108.0×76.1 4.250×3.000		76 2.99	125×50 6×5	159.0×60.3 6.250×2.375		102 4.01	150×100 6×4	165.1×139.7 6.625×4.500		127 4.01
100×80 4×3	108.0×88.9 4.250×3.500		76 2.99	125×65 6×5	159.0×76.1 6.250×3.000		102 4.01	150×125 6×6	165.1×114.3 6.625×5.500		102 4.01
100×100 4×4	108.0×100.3 4.250×4.500		76 2.99	125×80 6×6	159.0×88.9 6.250×4.500		102 4.01	150×100 6×6	165.1×139.7 6.625×6.625		127 5
100×125 4×5	108.0×125.0 4.250×5.500		76 2.99	125×100 6×6	159.0×114.3 6.250×4.500		102 4.01	150×125 6×6	165.1×114.3 6.625×6.625		102 4.01
100×150 4×6	108.0×150.0 4.250×6.625		76 2.99	125×50 6×6	159.0×133.0 6.250×5.500		102 4.01	150×150 6×6	165.1×165.1 6.625×6.625		127 5
100×175 4×7	108.0×175.0 4.250×7.75		76 2.99	125×65 6×6	159.0×139.7 6.250×5.500		102 4.01	150×175 6×6	165.1×168.3 6.625×6.625		127 5

Ductile Iron Grooved Fittings and Couplings

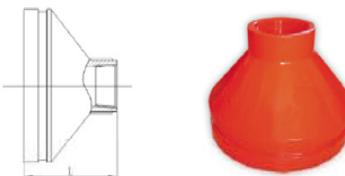
Weifang dahai lvbingchuan machinery group co.,ltd.



Product size

Threaded Concentric Reducer

According to different situation, the appearance can be deal with epoxy powder, hot-dipped zinc, paint, dacromet or your requirement.

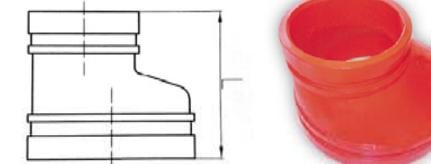


Threaded Concentric Reducer

Nominal Size	Pipe OD	Working Pressure	Dimensions
mm/in	mm/in	psi/Mpa	Lmm/m
32×25	42.4×33.7	64	
1½×1	1.660×1.315	2.51	
40×32	48.3×42.4	64	
1½×1½	1.900×1.660	2.51	
50×25	60.3×33.7	64	
2×1	2.375×1.315	2.51	
50×32	60.3×42.4	64	
2×1½	2.375×1.660	2.51	
50×40	60.3×48.3	64	
2×1½	2.375×1.900	2.51	
65×25	73.0×33.7	64	
2½×1	2.875×1.315	2.51	
65×32	73.0×42.4	64	
2½×1½	2.875×1.660	2.51	
65×40	73.0×48.3	64	
2½×1½	2.875×1.900	2.51	
65×50	73.0×60.3	64	
2½×2	2.875×2.375	2.51	
65×65	76.1×33.7	64	
2½×1	3.000×1.315	2.51	
65×32	76.1×42.4	64	
2½×1½	3.000×1.660	2.51	
65×40	76.1×48.3	64	
2½×1½	3.000×1.900	2.07Mpa	300Psi
65×50	76.1×60.3	64	
2½×2	3.000×2.375	2.51	
80×25	88.9×33.7	64	
3×1	3.500×1.315	2.51	
80×32	88.9×42.4	64	
3×1½	3.500×1.660	2.51	
80×40	88.9×48.3	64	
3×1½	3.500×1.900	2.51	
80×50	88.9×60.3	64	
3×2	3.500×2.375	2.51	
80×65	88.9×76.1	64	
3×2½	3.500×3.000	2.51	
100×25	108.0×33.7	76	
4×1	4.250×1.315	2.99	
100×32	108.0×42.4	76	
4×1½	4.250×1.660	2.99	
100×40	108.0×48.3	76	
4×1½	4.250×1.900	2.99	
100×50	108.0×60.3	76	
4×2	4.250×2.375	2.99	
100×65	108.0×76.1	76	
4×2½	4.250×3.000	2.99	
100×80	108.0×88.9	76	
4×3	4.250×3.500	2.99	

Grooved Eccentric Reducer

According to different situation, the appearance can be deal with epoxy powder, hot-dipped zinc, paint, dacromet or your requirement.



Grooved Eccentric Reducer

Nominal Size	Pipe OD	Working Pressure	Dimensions
mm/in	mm/in	psi/Mpa	Lmm/m
32×25	42.4×33.7	64	
1½×1	1.660×1.315	2.51	
40×32	48.3×42.4	64	
1½×1½	1.900×1.660	2.51	
50×25	60.3×33.7	64	
2×1	2.375×1.315	2.51	
50×32	60.3×42.4	64	
2×1½	2.375×1.660	2.51	
50×40	60.3×48.3	64	
2×1½	2.375×1.900	2.51	
65×25	73.0×33.7	64	
2½×1	2.875×1.315	2.51	
65×32	73.0×42.4	64	
2½×1½	2.875×1.660	2.51	
65×40	73.0×48.3	64	
2½×1½	2.875×1.900	2.51	
65×50	73.0×60.3	64	
2½×2	2.875×2.375	2.51	
80×25	88.9×33.7	64	
3×1	3.500×1.315	2.51	
80×32	88.9×42.4	64	
3×1½	3.500×1.660	2.51	
80×40	88.9×48.3	64	
3×1½	3.500×1.900	2.51	
80×50	88.9×60.3	64	
3×2	3.500×2.375	2.51	
80×65	88.9×76.1	64	
3×2½	3.500×3.000	2.51	
100×25	108.0×33.7	76	
4×1	4.250×1.315	2.99	
100×32	108.0×42.4	76	
4×1½	4.250×1.660	2.99	
100×40	108.0×48.3	76	
4×1½	4.250×1.900	2.99	
100×50	108.0×60.3	76	
4×2	4.250×2.375	2.99	
100×65	108.0×76.1	76	
4×2½	4.250×3.000	2.99	
100×80	108.0×88.9	76	
4×3	4.250×3.500	2.99	
100×100	114.3×42.4	102	
6×1	6.250×1.315	4.01	

Ductile Iron Grooved Fittings and Couplings

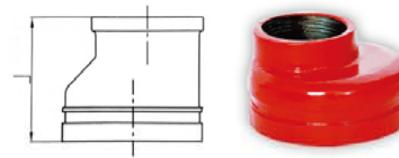
Weifang dahai lvbingchuan machinery group co.,ltd.



Product size

Threaded Eccentric Reducer

According to different situation, the appearance can be deal with epoxy powder, hot-dipped zinc, paint, dacromet or your requirement.



Threaded Eccentric Reducer

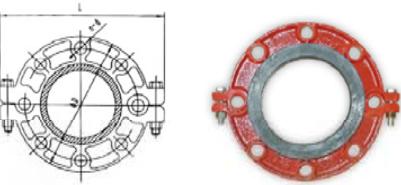
Nominal Size	Pipe OD	Working Pressure	Dimensions
mm/in	mm/in	psi/Mpa	mm/in
32×25	42.4×33.7	64	
1½×1	1.660×1.315	2.51	
40×32	48.3×42.4	64	
1½×1½	1.900×1.660	2.51	
50×25	60.3×33.7	64	
2×1	2.375×1.315	2.51	
50×32	60.3×42.4	64	
2×1½	2.375×1.660	2.51	
50×40	60.3×48.3	64	
2×1½	2.375×1.900	2.51	
65×25	73.0×33.7	64	
2½×1	2.875×1.315	2.51	
65×32	73.0×42.4	64	
2½×1½	2.875×1.660	2.51	
65×40	73.0×48.3	64	
2½×1½	2.875×1.900	2.51	
65×50	73.0×60.3	64	
2½×2	2.875×2.375	2.51	
65×25	76.1×33.7	64	
2½×1	3.000×1.315	2.51	
65×32	76.1×42.4	64	
2½×1½	3.000×1.660	2.51	
65×40	76.1×48.3	64	
2½×1½	3.000×1.900	2.51	
65×50	76.1×60.3	64	
2½×2	3.000×2.375	2.51	
80×25	88.9×33.7	64	
3×1	3.500×1.315	2.51	
80×32	88.9×42.4	64	
3×1½	3.500×1.660	2.51	
80×40	88.9×48.3	64	
3×1½	3.500×1.900	2.51	
80×50	88.9×60.3	64	
3×2	3.500×2.375	2.51	
80×65	88.9×76.1	64	
3×2½	3.500×3.000	2.51	
100×25	108.0×33.7	76	
4×1	4.250×1.315	2.99	
100×32	108.0×42.4	76	
4×1½	4.250×1.660	2.99	
100×40	108.0×48.3	76	
4×1½	4.250×1.900	2.99	
100×50	108.0×60.3	76	
4×2	4.250×2.375	2.99	
100×65	108.0×76.1	76	
4×2½	4.250×3.000	2.99	
100×80	108.0×88.9	76	
4×3	4.250×3.500	2.99	

Nominal Size	Pipe OD	Working Pressure	Dimensions
mm/in	mm/in	psi/Mpa	mm/in
100×25	114.3×33.7	76	
4×1	4.500×1.315	2.99	
100×32	114.3×42.4	76	
4×1½	4.500×1.660	2.99	
100×40	114.3×48.3	76	
4×1½	4.500×1.900	2.99	
100×50	114.3×60.3	76	
4×2	4.500×2.375	2.99	
100×60	114.3×76.1	76	
4×2½	4.500×3.000	2.99	
100×80	114.3×88.9	76	
4×3	4.500×3.500	2.99	
100×100	114.3×100	102	
4×4	4.500×4.000	4.01	
150×32	159.0×42.4	102	
6×1½	6.250×1.660	4.01	
150×40	159.0×48.3	102	
6×1½	6.250×1.900	4.01	
150×50	159.0×60.3	102	
6×2	6.250×2.375	4.01	
150×65	159.0×76.1	102	
6×2½	6.250×3.000	4.01	
150×80	159.0×88.9	102	
6×3	6.250×3.500	4.01	
150×100	165.1×33.7	102	
6×4	6.500×1.315	4.01	
150×125	165.1×42.4	102	
6×4½	6.500×1.660	4.01	
150×140	165.1×48.3	102	
6×5	6.500×1.900	4.01	
150×150	165.1×60.3	102	
6×6	6.500×2.375	4.01	
150×175	165.1×76.1	102	
6×7	6.500×3.000	4.01	
150×200	165.1×88.9	102	
6×8	6.500×3.500	4.01	
150×25	165.1×100	102	
6×10	6.500×4.000	4.01	
150×32	165.1×114.3	102	
6×12	6.500×4.500	4.01	
150×40	165.1×125	102	
6×14	6.500×5.000	4.01	
150×50	165.1×135	102	
6×16	6.500×5.500	4.01	
150×65	165.1×145	102	
6×18	6.500×6.000	4.01	
150×80	165.1×155	102	
6×20	6.500×6.500	4.01	
150×100	165.1×165	102	
6×22	6.500×7.000	4.01	
150×125	165.1×175	102	
6×24	6.500×7.500	4.01	
150×150	165.1×185	102	
6×26	6.500×8.000	4.01	
150×175	165.1×195	102	
6×28	6.500×8.500	4.01	
150×200	165.1×205	102	
6×30	6.500×9.000	4.01	
150×25	165.1×215	102	
6×32	6.500×9.500	4.01	
150×32	165.1×225	102	
6×34	6.500×10.000	4.01	
150×40	165.1×235	102	
6×36	6.500×10.500	4.01	
150×50	165.1×245	102	
6×38	6.500×11.000	4.01	
150×65	165.1×255	102	
6×40	6.500×11.500	4.01	
150×80	165.1×265	102	
6×42	6.500×12.000	4.01	
150×100	165.1×275	102	
6×44	6.500×12.500	4.01	
150×125	165.1×285	102	
6×46	6.500×13.000	4.01	
150×150	165.1×295	102	
6×48	6.500×13.500	4.01	
150×175	165.1×305	102	
6×50	6.500×14.000	4.01	
150×200	165.1×315	102	
6×52	6.500×14.500	4.01	
150×25	165.1×325	102	
6×54	6.500×15.000	4.01	
150×32	165.1×335	102	
6×56	6.500×15.500	4.01	
150×40	165.1×345	102	
6×58	6.500×16.000	4.01	
150×50	165.1×355	102	
6×60	6.500×16.500	4.01	
150×65	165.1×365	102	
6×62	6.500×17.000	4.01	
150×80	165.1×375	102	
6×64	6.500×17.500	4.01	
150×100	165.1×385	102	
6×66	6.500×18.000	4.01	
150×125	165.1×395	102	
6×68	6.500×18.500	4.01	
150×150	165.1×405	102	
6×70	6.500×19.000	4.01	
150×175	165.1×415	102	
6×72	6.500×19.500	4.01	
150×200	165.1×425	102	
6×74	6.500×20.000	4.01	
150×25	165.1×435	102	
6×76	6.500×20.500	4.01	
150×32	165.1×445	102	
6×78	6.500×21.000	4.01	
150×40	165.1×455	102	
6×80	6.500×21.500	4.01	
150×50	165.1×465	102	
6×82	6.500×22.000	4.01	
150×65	165.1×475	102	
6×84	6.500×22.500	4.01	
150×80	165.1×485	102	
6×86	6.500×23.000	4.01	
150×100	165.1×495	102	
6×88	6.500×23.500	4.01	
150×125	165.1×505	102	
6×90	6.500×24.000	4.01	
150×150	165.1×515	102	
6×92	6.500×24.500	4.01	
150×175	165.1×525	102	
6×94	6.500×25.000	4.01	
150×200	165.1×535	102	
6×96	6.500×25.500	4.01	
150×25	165.1×545	102	
6×98	6.500×26.000	4.01	
150×32	165.1×555	102	
6×100	6.500×26.500	4.01	
150×40	165.1×565	102	
6×102	6.500×27.000	4.01	
150×50	165.1×575	102	
6×104	6.500×27.500	4.01	
150×65	165.1×585	102	
6×106	6.500×28.000	4.01	
150×80	165.1×595	102	
6×108	6.500×28.500	4.01	
150×100	165.1×605	102	
6×110	6.500×29.000	4.01	
150×125	165.1×615	102	
6×112	6.500×29.500	4.01	
150×150	165.1×625	102	
6×114	6.500×30.000	4.01	
150×175	165.1×635	102	
6×116	6.500×30.500	4.01	
150×200	165.1×645	102	
6×118	6.500×31.000	4.01	
150×25	165.1×655	102	
6×120	6.500×31.500	4.01	
150×32	165.1×665	102	
6×122	6.500×32.000	4.01	
150×40	165.1×675	102	
6×124	6.500×32.500	4.01	
150×50	165.1×685	102	
6×126	6.500×33.000	4.01	
150×65	165.1×695	102	
6×128	6.500×33.500	4.01	
150×80	165.1×705	102	
6×130	6.500×34.000	4.01	
150×100	165.1×715	102	
6×132	6.500×34.500	4.01	
150×125	165.1×725	102	
6×134	6.500×35.000	4.01	
150×150	165.1×735	102	
6×136	6.500×35.500	4.01	
150×175	165.1×745	102	
6×138	6.500×36.000	4.01	
150×200	165.1×755	102	
6×140	6.500×36.500	4.01	
150×25	165.1×765	102	
6×142	6.500×37.000	4.01	
150×32	165.1×775	102	
6×144	6.500×37.500	4.01	
150×40	165.1×785	102	
6×146	6.500×38.000	4.01	
150×50	165.1×795	102	
6×148	6.500×38.500	4.01	
150×65	165.1×805	102	
6×150	6.500×39.000	4.01	
150×80	165.1×815	102	
6×152	6.500×39.500	4.01	
150×100	165.1×825	102	
6×154	6.500×40.000	4.01	
150×125	165.1×835	102	
6×156	6.500×40.500	4.01	
150×150	165.1×845	102	
6×158	6.500×41.000	4.01	
150×175	165.1×855	102	
6×160	6.500×41.500	4.01	
150×200	165.1×865	102	
6×162	6.500×42.000	4.01	
150×25	165.1×875	102	
6×164	6.500×42.500	4.01	
150×32	165.1×885	102	
6×166	6.500×43.000	4.01	
150×40	165.1×895	102	
6×168	6.500×43.500	4.01	
150×50	165.1×905	102	

Product size

PN16 Split Flange

According to different situation, the appearance can be deal with epoxy powder, hot-dipped zinc, paint, dacromet or your requirement.

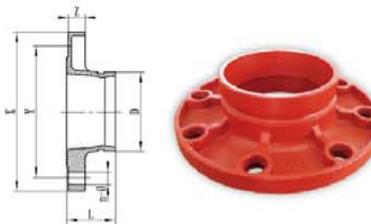


Split Flange

Nominal Size	Pipe O.D	Working Pressure	Dimensions					Bolt / Nut
			A mm/in	B mm/in	C mm/in	D mm/in	E mm/in	
mm/in	mm/in	PSI/MPa						No.-Size mm
40 1/2	48.3 1.9	300 2.07	1.6	195 7.68	18.5 0.73	150 5.90	110 4.33	45.4 1.78
50 2	60.3 2.375	300 2.07	1.6	220 8.66	18.5 0.73	165 6.50	125 4.92	57.5 2.26
65 2 1/2	73.0 2.875	300 2.07	1.6	235 9.25	18.5 0.73	185 7.28	145 5.71	72.7 2.86
80 3	88.9 3.500	300 2.07	1.6	255 10.04	18.5 0.73	195 7.68	160 6.30	85.5 3.37
100 4	114.3 4.500	300 2.07	1.6	279 10.98	18.5 0.73	220 8.66	180 7.09	104.5 4.11
108.0 4.25	141.3 5.25	300 2.07	1.6	312 12.28	21.5 0.85	250 9.84	210 8.27	129.2 5.08
125 5	139.7 5.5	300 2.07	1.6	320 12.60	23 0.91	250 9.84	210 8.27	135.5 5.33
150 6	159 6.25	300 2.07	1.6	346 13.62	21.5 0.85	280 11.00	240 9.45	154.8 6.10
150 6.5	165.1 6.5	300 2.07	1.6	346 13.62	21.5 0.85	280 11.00	240 9.45	160.8 6.33
150 6.625	168.3 6.625	300 2.07	1.6	346 13.62	24 0.94	280 11.00	240 9.45	164.3 6.47
200 8	219.1 8.625	300 2.07	1.6	414.3 16.31	30 1.18	340 13.39	295 11.61	214.9 8.46
250 10	273 10.75	300 2.07	1.6	480 18.90	25.5 1.00	405 15.94	355 13.98	268.9 10.59
300 12	323.9 12.75	300 2.07	1.6	530.5 20.88	25.5 1.00	460 18.11	410 16.14	318.9 12.56
								12-φ24

Class 150 Adaptor Flange

According to different situation, the appearance can be deal with epoxy powder, hot-dipped zinc, paint, dacromet or your requirement.



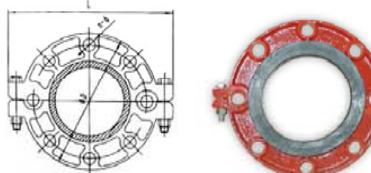
Product size

Adaptor Flange

Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/Mpa	Dimensions				Bolt/Nut No.-Size mm
			L mm/in	X mm/in	Y mm/in	Z mm/in	
50 2	60.3 2.375	300 2.07	2.0	65 2.559	152 6.0	120.5 4.74	16 0.63
65 2 1/2	73.0 2.875	300 2.07	2.0	65 2.559	185 7.28	139.7 5.50	16 0.63
80 3	88.9 3.500	300 2.07	2.0	65 2.559	200 7.87	152.4 6.00	16 0.63
100 4	114.3 4.500	300 2.07	2.0	70 2.756	229 9.01	190.5 7.50	16 0.63
150 6	168.3 6.625	300 2.07	2.0	70 2.756	282 11.10	241.3 9.50	18 0.71
200 8	219.1 8.625	300 2.07	2.0	75 2.95	340 13.39	298.5 11.75	19 0.75
250 10	273 10.75	300 2.07	2.0	85 3.35	406 15.98	362 14.25	21 0.826

Class 150 Split Flange

According to different situation, the appearance can be deal with epoxy powder, hot-dipped zinc, paint, dacromet or your requirement.



Split Flange

Nominal Size	Pipe O.D	Working Pressure	Dimensions					Bolt / Nut
			A mm/in	B mm/in	C mm/in	D mm/in	E mm/in	
mm/in	mm/in	PSI/MPa						No.-Size mm
50 2	60.3 2.375	300 2.07	2.0	206 8.11	19 0.75	152 5.98	121 4.76	16 2.26
65 2 1/2	73.0 2.875	300 2.07	2.0	230 9.05	19 0.75	178 7 5.51	140 2.74	16 2.16
80 3	88.9 3.500	300 2.07	2.0	246 9.68	19 0.75	191 7.52	152 5.98	16 3.37
100 4	114.3 4.500	300 2.07	2.0	280 11.02	19 0.75	229 9	191 7.52	16 4.35
125 5	141.3 5.25	300 2.07	2.0	320 12.60	22 0.87	254 10	216 8.5	18 5.41
150 6	166.3 6.625	300 2.07	2.0	346 13.62	24 0.94	280 11	241.3 9.5	16 6.47
200 8	219.1 8.625	300 2.07	2.0	414.3 16.31	36 1.18	341.4 13.44	298.5 11.75	18 8.46
250 10	273 10.75	300 2.07	2.0	481.2 21.78	48 1.2	553.3 1.2	428.6 1.9	21 10.59
300 12	323.9 12.75	300 2.07	2.0	530.5 21.78	50 1.2	553.3 1.2	431.8 1.9	21 12.56

Product size

Gasket Data



Material Composition	Applicable temperature	Application Scops
EPDM	-34°C → +150°C	Cold an hot water,non-oil gas,diluted acid,alkaline salt,and multi-chemicals(free of hydrocarbon).Oil-like mediums are forbidden.
Silicon rubber	-40°C → +177°C	Drinking water,hot water,high-temperature air and some high-temperature chemicals. Oil-like mediums are forbidden.
Nitrile rubber	-29°C → +82°C	Oil,oil-gas,mineral oil,vegetable oil,hot water,water with temperature of not than 65°C. are forbidden.

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

Bolt and Nut

Bolt and Nut is designed for nozzle. The neck of bolt is oval. It can prevent slipping when screwing. The nut is the piece type. Installs only needs a spanner.

Bolt dimension	M10	M12	M16	M20	M22
Spanner dimension	16	22	24	30	34

Material: The material of bolts is 40Cr or 35# steel. The material of nuts is 35# steel. The nut performance rating conforms to GB/T3098.1-2000 9.8 level of above request. The nut machine capability conforms to GB/T3098.2-2000 8.8 levels of requests.

Product installation procedure

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 the 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.

7a. Assembly completed - flexible coupling

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

7b. Assembly completed - rigid coupling

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

Product installation procedure

Installation instruction for threaded U-bolt mechanical tee & 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.



Product installation procedure

Installation instruction for groove 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.

Engineering Test

O.	Item	Standard Requirements
1	Vacuum Test	Grooved couplings, grooved split couplings, grooved split flanges, mechanical tees, and plain end couplings shall be able to withstand the effects of vacuum conditions encountered when sprinkler system are drained. Samples of each nominal size and style of gasketed coupling and fitting shall be subjected to an internal vacuum of 25 inHg (85 KPA) for a duration of 5 minutes. Following the vacuum test, the test assembly shall be pneumatically pressurized from zero to 50 psi(345kpa) while submerged in water bath. There shall be no leakage or permanent deformation as a result of this test.
2	Hydrostatic Strength Test	All items shall be able to withstand an internal hydrostatic pressure equal to three–five times the rated working pressure without cracking, rupture, or permanent distortion. The test shall be conducted for a duration of 1 minute.(Test Size ≤6, “five time;8” –10, “4 time;≥12”, 3 times).
3	Air Leakage Test	The coupling assembly shall be pressurized with air to 3 bar +0.5/-0bar.The assembly shall be immersed in water to establish that there is no visible leakage.
4	Moment Test	The moment resistance shall be demonstrated while the test assembly is internally pressurized to the rated working pressure. Then a force was applied to the test assembly. There shall be no leakage, cracking, or fitting or coupling pull off as a result of this test.
5	Hot Gasket Test	Standard gaskets shall be assembly to short length of pipe, and subjective to 275° F(135°C) for a duration of 45 days. After exposure, the test assembly shall be submerged in a water bath and subjected to an air under water leakage test from zero to 50psi(0 to 345kpa) in order to evaluate for leakage. After the air under water testing is completed, the test assembly shall be disassembled and the gasket shall not crack when squeezed together from any two diametrically opposite points, or twisted into a figure-eight shape. The gasket shall then be visually inspected for signs of cracking, tearing, or excessive degradation as a result of this test.
6	Gold Gasket Test	The low temperature exposure shall consist of -40°F (-40°C)air exposure for 4 days. After exposure, the assembly while submerged in -40°F (-40°C) antifreeze, shall be allowed to warm to ambient temperature and then be disassembled. The gasket, after removal from the assembly, shall not crack when squeezed together from any two diametrically opposite points, or twisted into a figure eight shape.
7	Flame test	The test shall be conducted in a room free from air draught. The test join is mounted, U-bent on the test apparatus an filled with water. The angle corresponds to the angle documented as a result of the test . Subsequently the test joint is drained. The fuel pan is placed centrally below the pipe joint Fuel is filled into the pan and the fuel is ignited. Burning of the smaller nominal diameter < DN100; 8min for nominal diameters ≥DN100 for reducer couplings the dimension of the smaller nominal diameter shall apply for the determination of the burning time . The flame shall be extinguished immediately once the burning time has expired (5minor 8min) and the test joint shall be cooled down. For cooling the joint is then filled completely with water until steam formation is no longer visible, but at least for 3min. The test joint is then filled completely with water and exposed to a test pressure which corresponds to the maximum permissible pressure and is checked visibly for leaks. Water may leak in form of drops, however, not in form of flowing water or a water spray. The test joint is then pressure relieved (force and internal pressure).
8	Cycling Pressure Resistance (Water Hammer test)	Prior to the cycling,assemblies shall be subjected to a hydrostatic strength test to the rated working pressure,175 psi (1205kpa) minimum, for a duration of 5 minutes. Without leakage or cracking. Assemblies shall then be subjected to 20000cycles from zero pressure to the rated working poressure, 175psi(1205kpa) minimum. After cycling, the test assembly shall be tested Hydrostatic Strength and maintain 5 minutes without leakage and cracking.

Engineering Test

NO.	Item	Standard Requirements
9	Friction Loss Determination	The construction and installation of the coupling or fitting shall be such that obstruction to the passage of water through the coupling or fitting body is minimal . The loss in pressure through the coupling fitting shall not exceed 5.0psi(35kpa) at a flow producing a velocity of 20ft/s (6.1m/s) in Schedule 40 steel pipe of the same nominal diameter as the coupling or fitting .
10	Leakage Test Assembly without Gasket	Leakage from a gasket-less coupling assembly or fitting shall not exceed that an operating spring head whose discharge associated with over-head piping ,less than or equal to 12 in NPS(300mm).
11	Torsion test	This test relates to pipe joints ≤DN40 only .The test joint is filled with water an exposed once to maximum permissible pressure and is then pressure relieved again. Subsequently the test joint is fixed on one pipe end and an increasing torque of up to 80Nm from one pipe end without any torsion of pipe ends against each other.
12	Flexibility test for Flexible fittings	With the assembly pressurized to its rated pressure ,a bending moment is to be applied to deflect joint to the maximum angle specified by the manufacturer, while not less than 1 degree for nominal pipe diameters less than 8 inches (203.2mm) or 0.5degree for 8 inches (203.2mm) and larger. Observations are to be made for leakage or pipe damage.
13	Seismic Evaluation	In order to evaluate the use of grooved couplings in Earthquake zones 50 through 500 years ,the assemblies utilizing flexible coupling and short lengths of steel pipe, in the same nominal size, shall be subjected to cyclic testing . The test will deflect the assembly to the manufacturer' s maximum recommended angle in the forward and reverse direction for a total 15cycles with the internal pressure equal to the rated working pressure. the shall be no leakage, cracking , or rupture as a result of the test.
14	Lateral Displacement	The coupling shall not leak during any of the test ,within the manufacturer' s stated limitations angular deflection or lateral displacement of associated pipe work.
15	Hydrostatic fluctuation pressure test	The coupling assembly shall be pressurized with water to a gauge pressure of 10bar ± 1bar 2min,+30s/-0s to establish a datum . The assembly shall then be drained before being subjected to the greatest vacuum attainable to a maximum of 600mm Hg/mercury or -0.8bar +0bar /-0.1bar for 2min,+30s/-0s, and allowed to return to atmospheric pressure in not less than 5s.The assembly shall then be pressurized with water to 10bar ± 1bar +0bar /-0.1bar for 2min +30s/-0s.The assembly shall be examined for leakage throughout the test .The relative movement of each pipe shall be recorded at greatest vacuum and at each pressure. There shall be no leakage .
16	Fire Test	If a gasketed pipe coupling or fitting employs non-ferrous materials for its substantial structural components, or if in the judgment of FM Approvals , the design is otherwise suspect with respect to fire resistance, a fire test shall be conducted. A representative size assembled joint without a gasket shall be exposed to a 1000° F(532°C) fire environment for 5 minutes. The assembly shall be dry for the duration of this exposure. Immediately after the exposure, a water flow shall be introduced through the joint and sustained until the assembly is cool to the touch. No cracking or distortion of any component of the coupling or fitting shall occur . The coupling or fitting shall then be disassembled and the gasket installed . After reassembly, the joint shall be hydrostatically tested, as described in to the hydrostatic test .