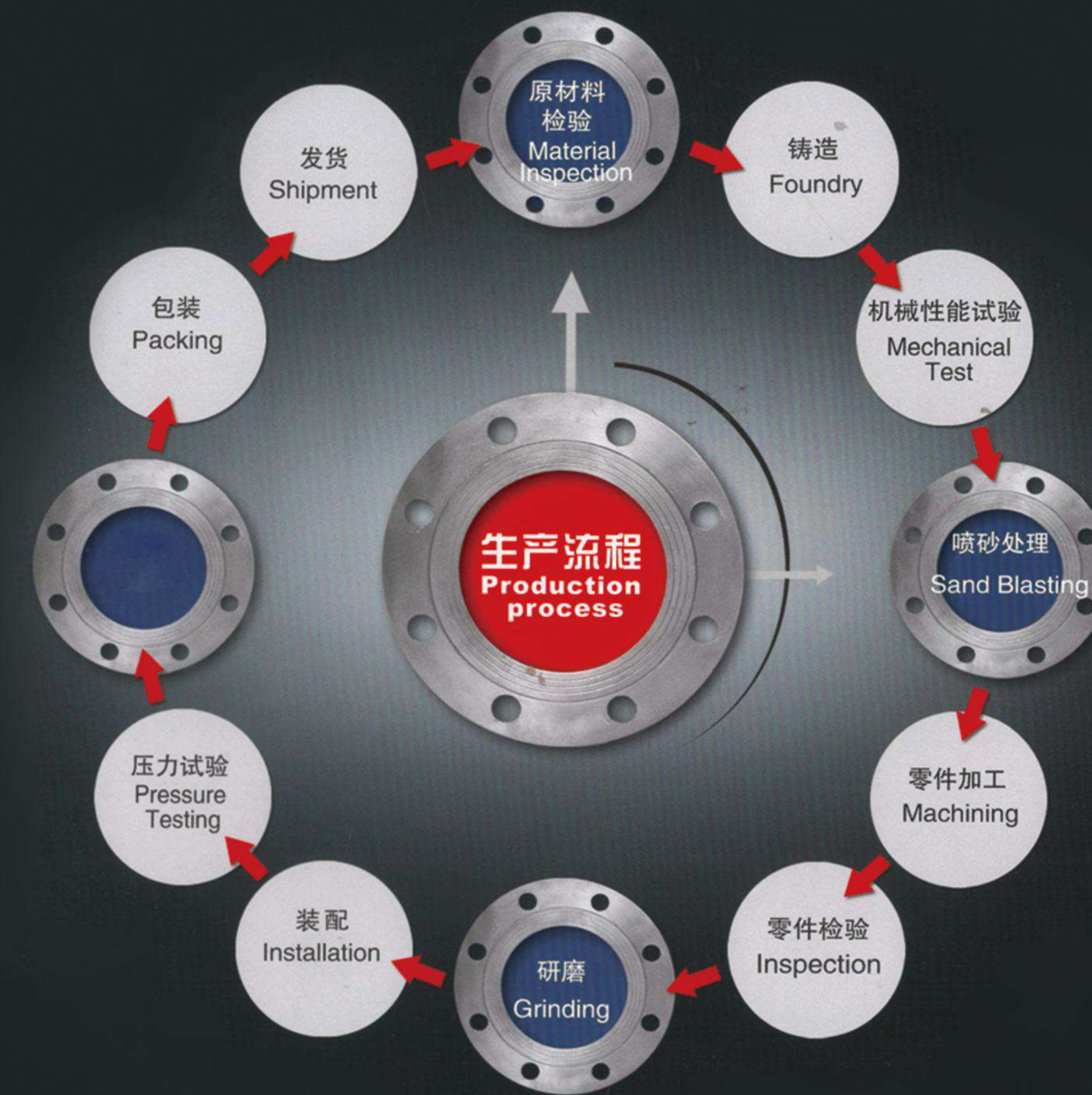




SOUTH OF GUOJIATUN VILAGE,
GUOJIATUN YUTIAN YUDONG CASTING CO., LTD
ADD:TOWN,YUTIAN COUNTRY,TANGSHAN CITY HEBEI PROVINCE
Tel: 0086 15175630633; 0315-6136616
Website : www.yinuo-pipefittings.com
E-mail: yinuopipefitting@163.com



www.yinuo-pipefittings.com



COMPANY PROFILE

YUTIAN YUDONG CASTING Co.,Ltd was founded in 1990, for more than 25 years, the band name is Yinuo, Yinuo is always focusing on providing the solutions for piping system for clients all over the world. Yinuo is supplying the malleable iron pipe fittings, ductile iron pipe fittings, grooved pipe fittings, forged pipe fittings, stainless steel pipe fittings, brass pipe fittings, stainless steel valves, welded pipe and other relevant accessories, widely used for fire protection system, gas piping system, HVAC, home decoration etc. . Our products are approved by UL, FM, CE, BSI, TSE, ISO, also when you choose us, you are hiring a team of experts with a deep understanding of your industrial and your particular needs.



State of
the Art
Equipment

High precision equipment is quality assurance.
Hebei yinuo 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.



Pattern



Core Making



Sand Mulling



Melting



End Grinding Line



Pouring



Disa Automatic Molding Line



Threading and Air Pressure Test



Painting Line



Warehouse

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.



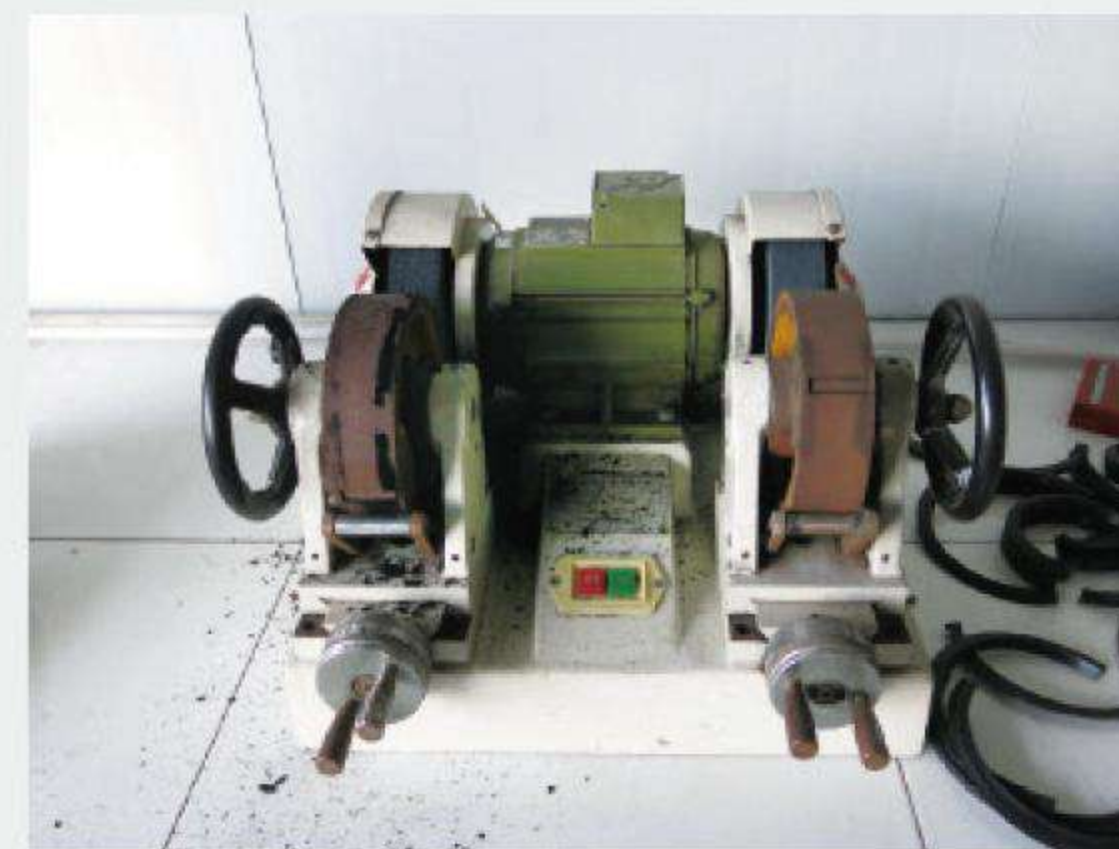
Metallurgical Microscope



Pressure Testing Machine



Metallurgical Polisher



Gasket Grinding Machine



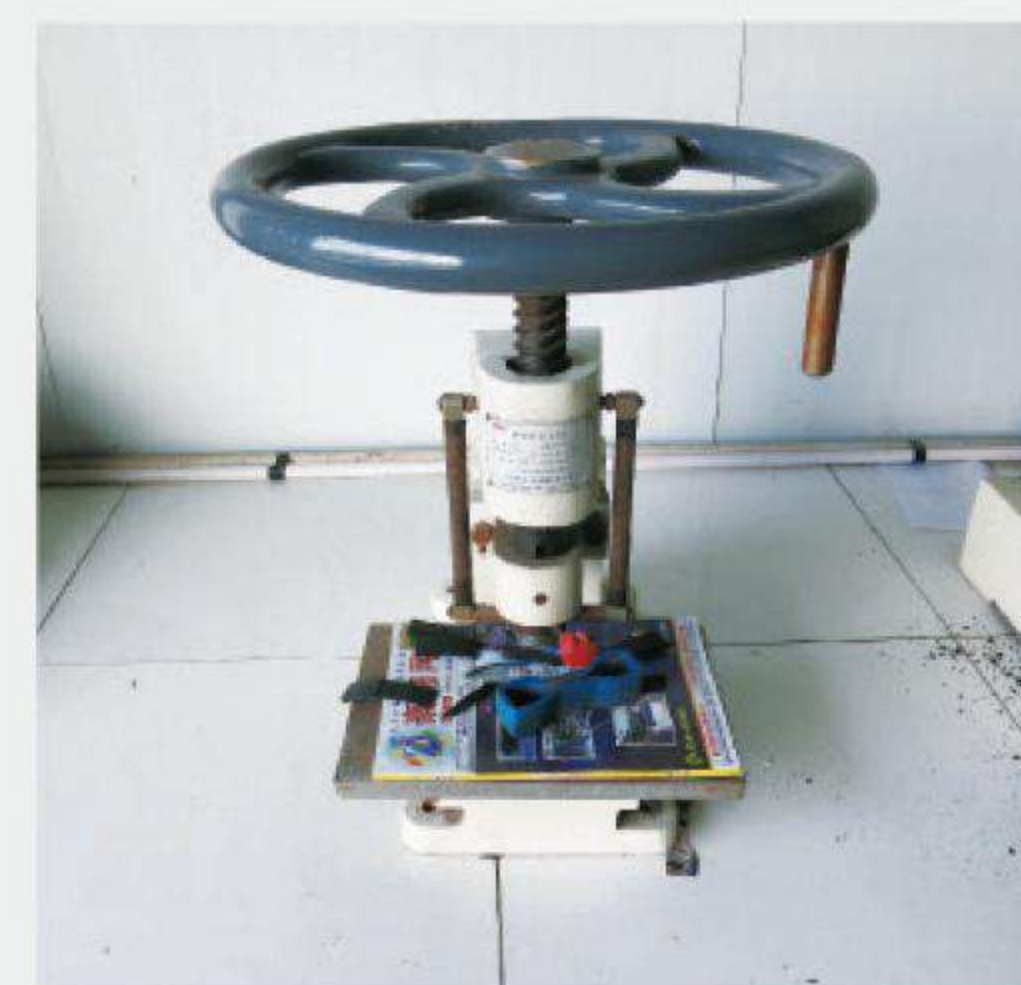
Thickness Testing Instrument



Rubber Aging Testing Machine

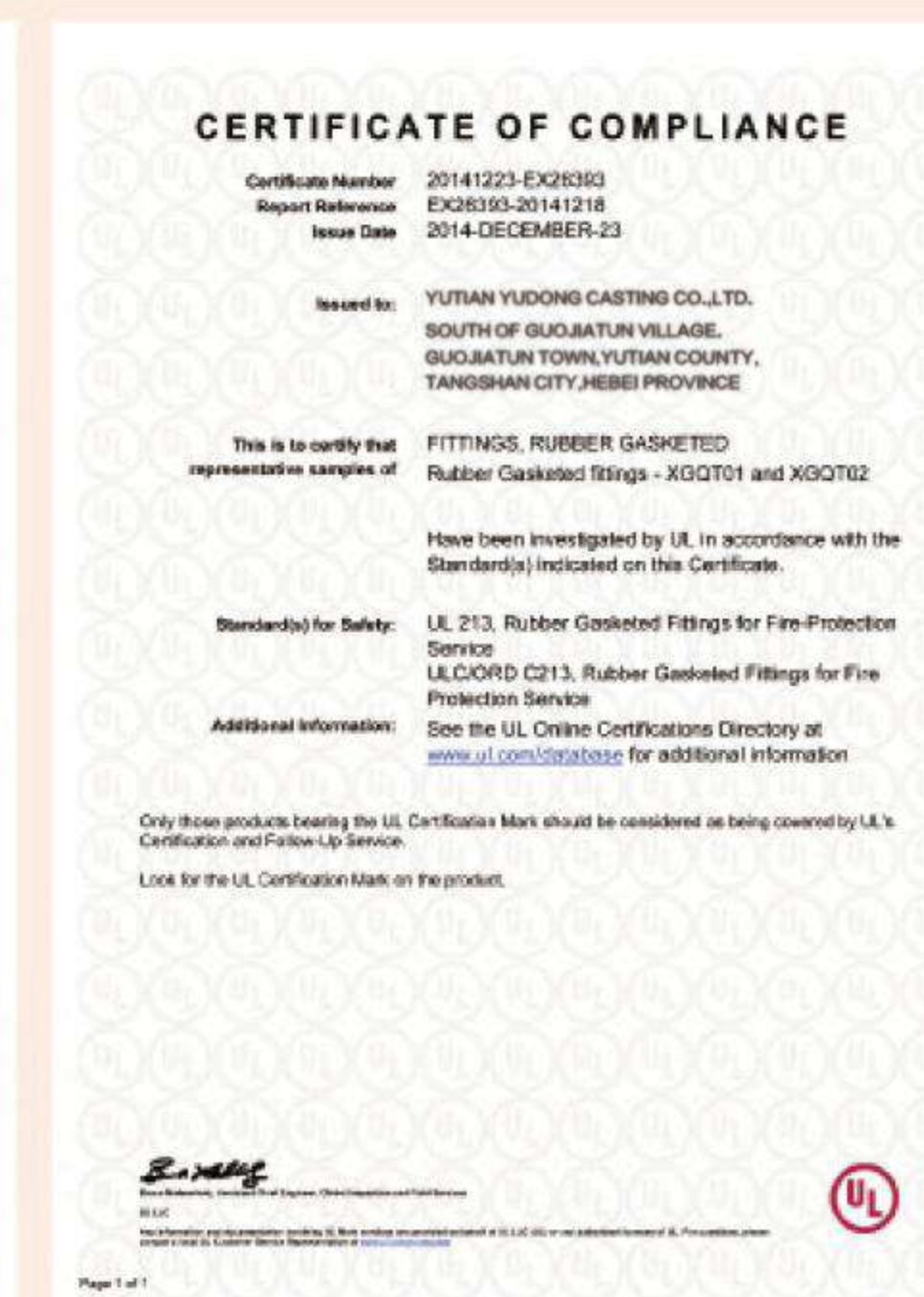
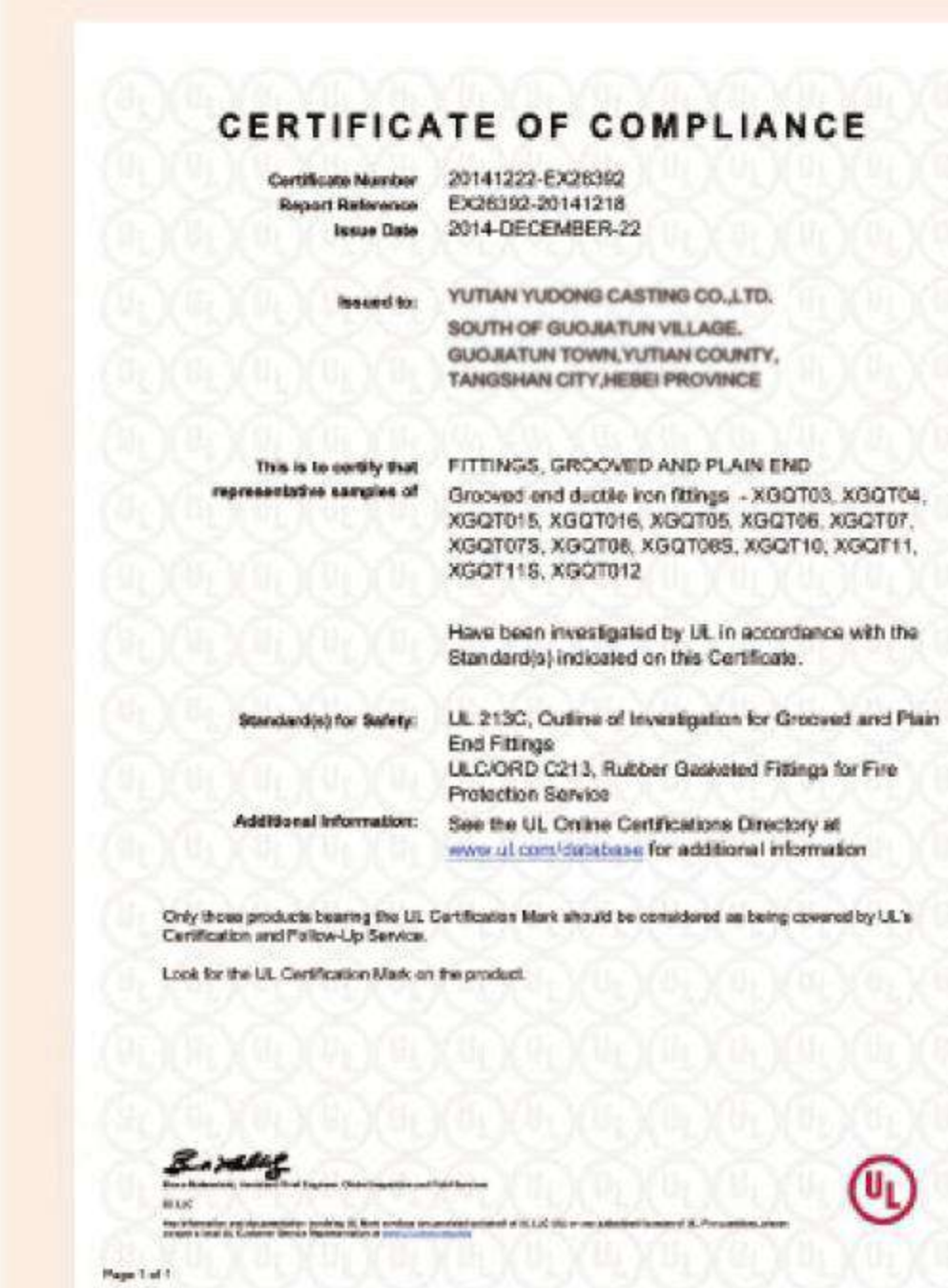


Rubber Tensile Testing Instrument



Rubber Sheet-punching Machine

Certificates



Product display

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



Rigid 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 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.



Rigid Coupling

Nominal Size	Pipe OD.	Working Pressure	Dimensions			Bolt Size
			A	B	C	
mm/in	mm/in	psi/Mpa	mm	mm	mm	No.-Size mm
25	33.7	300Psi 2.07Mpa	58	98	45	3/8*45-2
1	1.327		2.28	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	88.9		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	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
25	33.7	40	3.38	35/500	3.0/680
		10	2.77	35/500	3.0/680
32	42.4	40	3.56	35/500	4.8/1080
		10	2.77	35/500	4.8/1080
40	48.3	40	3.68	35/500	6.3/1420
		10	2.77	35/500	6.3/1420
50	60.3	40	3.91	35/500	9.8/2210
		10	2.77	35/500	9.8/2210
65	73	40	5.16	35/500	14.4/3240
		10	3.05	35/500	14.4/3240
65	76.1	—	6.35		
		—	5.08	35/500	15.7/3530
80	88.9	—	3.81	35/500	21.4/4800
		—	5.49	35/500	21.4/4800
80	88.9	40	5.49	35/500	21.4/4800
		10	3.05	35/500	21.4/4800
100	114.3	40	6.02	35/500	35.4/7950
		10	3.05	35/500	35.4/7950
125	141.3	40	6.55	31/450	48.6/10930
		10	3.4	31/450	48.6/10930
150	165.1	—	6.35	31/450	66.4/14930
		—	5.08	31/450	66.4/14930
150	168.3	40	7.11	31/450	68.9/15500
		10	3.4	31/450	68.9/15500
200	219.1	40	8.18	31/450	116.9/26280
		30	7.04	31/450	116.9/26280
		10	4.77	20/300	77.8/17500
250	273	40	9.27	20/300	121.0/27210
		30	7.8	20/300	121.0/27210
300	323.9	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

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
			A	B	C	
mm/in	mm/in	psi/Mpa	mm	mm	mm	No.-Size mm
25	33.7	300Psi 2.07Mpa	58	98	45	3/8*45-2
1	1.327		2.28	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	88.9		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	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		

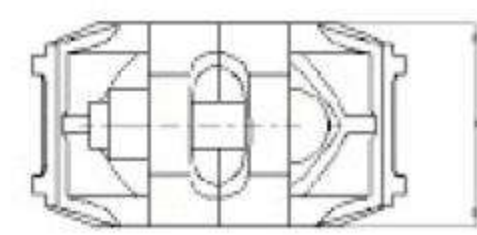
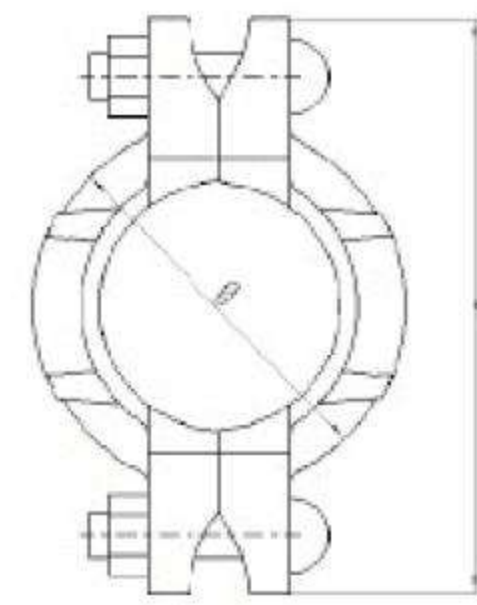
Pressure Ratings and End loads for Mech Couplings on Steel Pipe

Nom. Size	Pipe O.D	Pipe Sched	Wall Thick	Max.Work Press	Max.End Load
DN/in	mm	(sch)	mm	Bar/Psi	KN/Lbs
25	33.7	40	3.38	35/500	3.0/680
		10	2.77	35/500	3.0/680
32	42.4	40	3.56	35/500	4.8/1080
		10	2.77	35/500	4.8/1080
40	48.3	40	3.68	35/500	6.3/1420
		10	2.77	35/500	6.3/1420
50	60.3	40	3.91	35/500	9.8/2210
		10	2.77	35/500	9.8/2210
65	73	40	5.16	35/500	14.4/3240
		10	3.05	35/500	14.4/3240
65	76.1	—	6.35		
		—	5.08	35/500	15.7/3530
80	88.9	—	3.81	35/500	21.4/4800
		—	5.49	35/500	21.4/4800
80	88.9	40	5.49	35/500	21.4/4800
		10	3.05	35/500	21.4/4800
100	114.3	40	6.02	35/500	35.4/7950
		10	3.05	35/500	35.4/7950
125	141.3	40	6.55	31/450	48.6/10930
		10	3.4	31/450	48.6/10930
150	165.1	—	6.35	31/450	66.4/14930
		—	5.08	31/450	66.4/14930
150	168.3	40	7.11	31/450	68.9/15500
		10	3.4	31/450	68.9/15500
200	219.1	40	8.18	31/450	116.9/26280
		30	7.04	31/450	116.9/26280
		10	4.77	20/300	77.8/17500
250	273	40	9.27	20/300	121.0/27210
		30	7.8	20/300	121.0/27210
300	323.9	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

→ Product size

Reducing Flexible Coupling

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

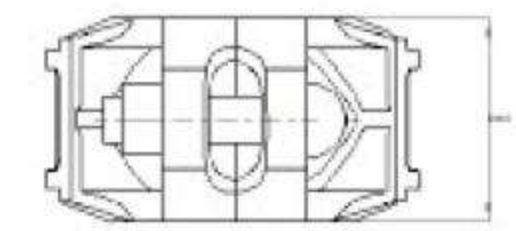
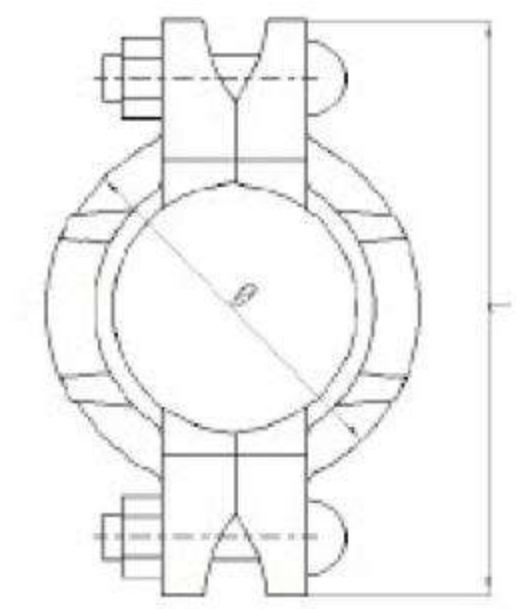


Reducing Flexible Coupling

Nominal Size	Pipe OD.	Working Pressure	Dimensions			Bolt Size
			mm/in			
mm/in	mm/in	psi/Mpa	A	B	C	No. - Size mm
50 x 32	60.3 x 42.4	300Psi 2.07Mpa	86	125	44	2-3/8 x 55
2 x 1 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 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 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 1/2 x 1 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 1/2 x 1 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 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 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 1/2 x 1 1/2	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 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		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 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 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 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 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 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 1/2	4.500 x 3.000	5.67	7.8	1.97	2-M12 x 70	
100 x 80	114.3 x 88.9	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	
8 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	
8 x 6	8.625 x 6.625	10.24	13.31	2.36	2-M20 x 115	

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

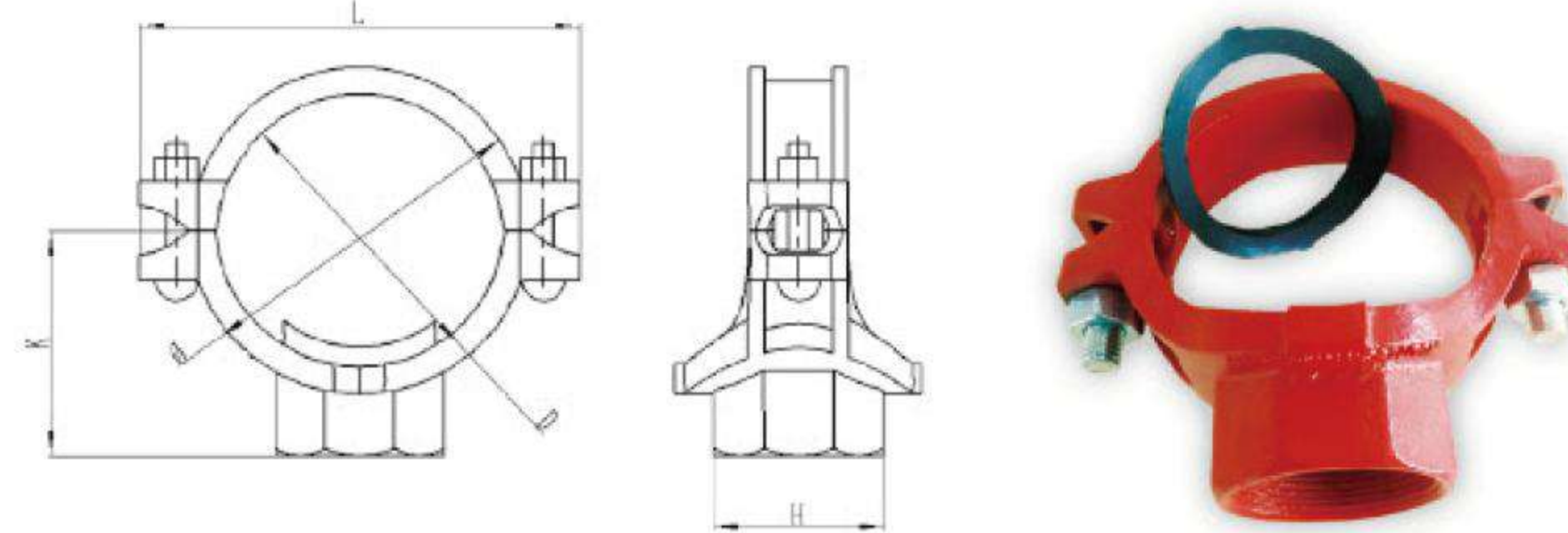
Nominal Size	Pipe OD.	Working Pressure	Dimensions			Bolt Size
			mm/in			
mm/in	mm/in	psi/Mpa	A	B	C	No. - Size mm
25	33.7	300Psi 2.07Mpa	58	98	45	3/8*45-2
1	1.327		2.28	3.85	1.77	
32	42.4		68	106	45	3/8*45-2
1 1/4	1.669		2.68	4.17	1.77	
40	48.3		74	114	45	3/8*45-2
1 1/2	1.9		2.91	4.49	1.77	
50	60.3		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	88.9		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		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
25	33.7	40	3.38	35/500	3.0/680
		10	2.77	35/500	3.0/680
32	42.4	40	3.56	35/500	4.8/1080
		10	2.77	35/500	4.8/1080
40	48.3	40	3.68	35/500	6.3/1420
		10	2.77	35/500	6.3/1420
50	60.3	40	3.91	35/500	9.8/2210
		10	2.77	35/500	9.8/2210
65	73	40	5.16	35/500	14.4/3240
		10	3.05	35/500	14.4/3240
65	76.1	—	6.35	—	—
		—	5.08	35/500	15.7/3530
65	76.1	—	3.81	35/500	15.7/3530
		—	5.49	35/500	21.4/4800
80	88.9	40	5.49	35/500	21.4/4800
		10	3.05	35/500	21.4/4800
100	114.3	40	6.02	35/500	35.4/7950
		10	3.05	35/500	35.4/7950
125	141.3	40	6.55	31/450	48.6/10930
		10	3.4	31/450	48.6/10930
150	165.1	—	6.35	31/450	66.4/14930
		—	5.08	31/450	66.4/14930
150	168.3	40	7.11	31/450	68.9/15500
		10	3.4	31/450	68.9/15500
200	219.1	40	8.18	31/450	116.9/26280
		30	7.04	31/450	116.9/26280
		10	4.77	20/300	77.8/17500
250	273	40	9.27	20/300	121.0/27210
		30	7.8	20/300	121.0/27210
		10	4.77	20/300	121.0/27210
300	323.9	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

→ Product size

Mechanical Tee Threaded Outlet



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

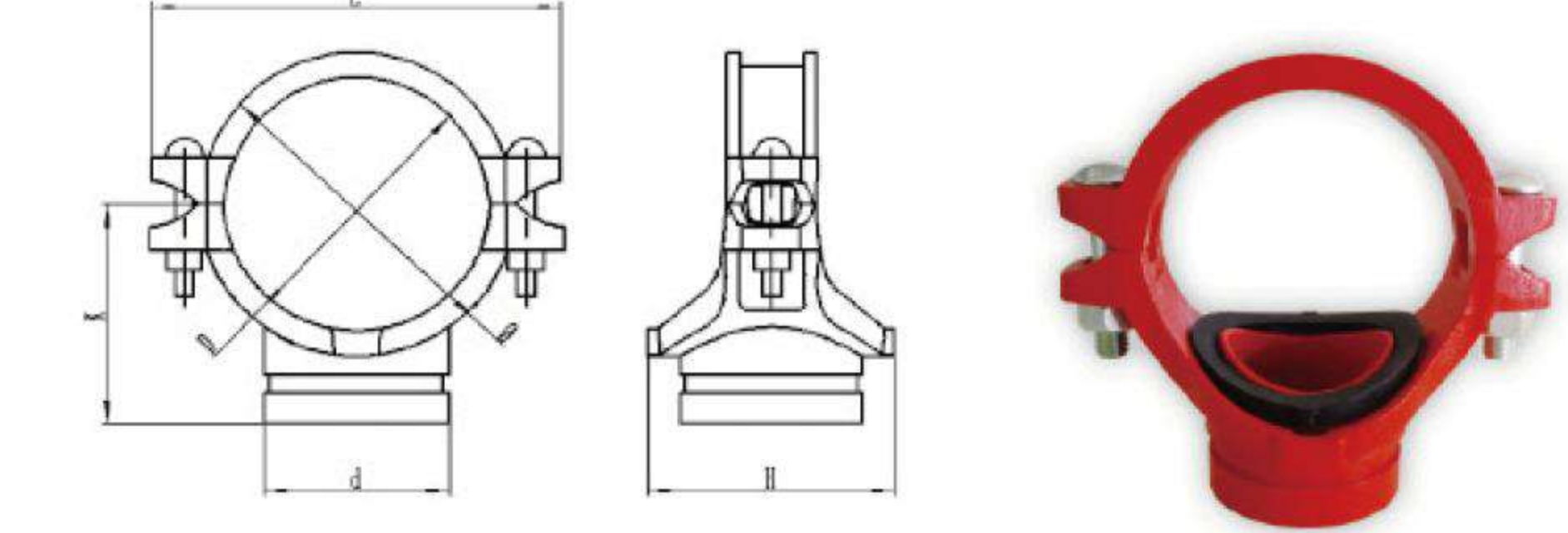


Mechanical Tee Threaded Outlet

Nominal Size	Pipe OD.	Working Pressure	Hei Dia.	Dimensions				Bolt Size
				A	B	C	D	
50 x 25	60.3 x 33.7	300Psi 2.07Mpa	38	118	74	60	40	M10 x 55-2
2 x 1	2.375 x 1.315			1.5	4.64	2.91	2.36	1.57
50 x 32	60.3 x 42.4	300Psi 2.07Mpa	51	118	74	60	40	M10 x 55-2
2 x 1 1/4	2.375 x 1.660			2.01	4.64	2.91	2.36	1.57
50 x 40	60.3 x 48.3	300Psi 2.07Mpa	51	118	74	60	40	M10 x 55-2
2 x 1 1/2	2.375 x 1.900			2.01	4.64	2.91	2.36	1.57
65 x 25	73.0 x 33.7	300Psi 2.07Mpa	38	132	74	64	47	M12 x 70-2
2 1/2 x 1	2.875 x 1.315			1.5	5.2	2.91	2.52	1.85
65 x 32	73.0 x 42.4	300Psi 2.07Mpa	51	132	74	64	47	M12 x 70-2
2 1/2 x 1 1/4	2.875 x 1.660			2.01	5.2	2.91	2.52	1.85
65 x 40	73.0 x 48.3	300Psi 2.07Mpa	51	132	80	64	47	M12 x 70-2
2 1/2 x 1 1/2	2.875 x 1.900			2.01	5.2	3.15	2.52	1.85
65 x 25	76.1 x 33.7	300Psi 2.07Mpa	38	144	74	64	49	M12 x 70-2
2 1/2 x 1	3.000 x 1.315			1.5	5.67	2.91	2.52	1.93
65 x 32	76.1 x 42.4	300Psi 2.07Mpa	51	144	74	64	49	M12 x 70-2
2 1/2 x 1 1/4	3.000 x 1.660			2.01	5.67	2.91	2.52	1.93
65 x 40	76.1 x 48.3	300Psi 2.07Mpa	51	144	80	64	49	M12 x 70-2
2 1/2 x 1 1/2	3.000 x 1.900			2.01	5.67	3.15	2.52	1.93
80 x 15	88.9 x 21.3	300Psi 2.07Mpa	30	146	74	70	55	M12 x 70-2
3 x 1/2	3.500 x 0.825			1.18	5.75	2.91	2.76	2.17
80 x 20	88.9 x 26.9	300Psi 2.07Mpa	30	146	74	70	55	M12 x 70-2
3 x 3/4	3.500 x 1.050			1.18	5.75	2.91	2.76	2.17
80 x 25	88.9 x 33.7	300Psi 2.07Mpa	38	146	74	70	55	M12 x 70-2
3 x 1	3.500 x 1.315			1.5	5.75	2.91	2.76	2.17
80 x 32	88.9 x 42.4	300Psi 2.07Mpa	51	146	86	73	55	M12 x 70-2
3 x 1 1/4	3.500 x 1.660			2.01	5.75	3.39	2.87	2.17
80 x 40	88.9 x 48.3	300Psi 2.07Mpa	51	146	86	77	55	M12 x 70-2
3 x 1 1/2	3.500 x 1.900			2.01	5.75	3.39	3.03	2.17
80 x 50	88.9 x 60.3	300Psi 2.07Mpa	64	146	96	80	55	M12 x 70-2
3 x 2	3.500 x 2.375			2.52	5.75	3.78	3.15	2.17
100 x 25	108.0 x 33.7	300Psi 2.07Mpa	38	172	72	76	64	M12 x 75-2
4 x 1	4.250 x 1.315			1.5	6.77	2.83	2.99	2.52
100 x 32	108.0 x 42.4	300Psi 2.07Mpa	51	172	82	76	64	M12 x 75-2
4 x 1 1/4	4.250 x 1.660			2.01	6.77	3.23	2.99	2.52
100 x 40	108.0 x 48.3	300Psi 2.07Mpa	51	172	84	76	64	M12 x 75-2
4 x 1 1/2	4.250 x 1.900			2.01	6.77	3.31	2.99	2.52
100 x 50	108.0 x 60.3	300Psi 2.07Mpa	64	172	96	76	64	M12 x 75-2
4 x 2	4.250 x 2.375			2.52	6.77	3.74	3.07	2.52
100 x 25	114.3 x 33.7	300Psi 2.07Mpa	38	178	74	86	69	M12 x 75-2
4 x 1	4.500 x 1.315			1.5	7.01	2.91	3.39	2.72
100 x 32	114.3 x 42.4	300Psi 2.07Mpa	51	178	86	87	69	M12 x 75-2
4 x 1 1/4	4.500 x 1.660			2.01	7.01	3.39	3.43	2.72
100 x 40	114.3 x 48.3	300Psi 2.07Mpa	51	178	86	89	69	M12 x 75-2
4 x 1 1/2	4.500 x 1.900			2.01	7.01	3.39	3.51	2.72
100 x 50	114.3 x 60.3	300Psi 2.07Mpa	64	178	100	94	69	M12 x 75-2
4 x 2	4.500 x 2.375			2.52	7.01	3.94	3.7	2.72
100 x 65	114.3 x 76.1	300Psi 2.07Mpa	70	178	106	100	69	M12 x 75-2
4 x 2 1/2	4.500 x 3.000			2.76	7.01	4.17	3.94	2.72
100 x 80	114.3 x 88.9	300Psi 2.07Mpa	89	178	124	99	69	M12 x 75-2
4 x 3	4.500 x 3.500			3.5	7.01	4.88	3.9	2.72
125 x 25	133.0 x 33.7	300Psi 2.07Mpa	38	200	72	88.5	77	M16 x 85-2
5 x 1	5.250 x 1.315			1.5	7.87	2.83	3.48	3.03
125 x 32	133.0 x 42.4	300Psi 2.07Mpa	51	200	82	88.5	77	M16 x 85-2
5 x 1 1/4	5.250 x 1.660			2.01	7.87	3.23	3.48	3.03
125 x 40	133.0 x 48.3	300Psi 2.07Mpa	51	200	82	88.5	77	M16 x 85-2
5 x 1 1/2	5.250 x 1.900			2.01	7.87	3.23	3.48	3.03
125 x 50	133.0 x 60.3	300Psi 2.07Mpa	64	200	96	89.5	77	M16 x 85-2
5 x 2	5.250 x 2.375			2.52	7.87	3.74	3.52	3.03
125 x 25	139.7 x 33.7	300Psi 2.07Mpa	38	213	74	98	81	M16 x 85-2
5 x 1	5.500 x 1.315			1.5	8.39	2.91	3.86	3.19
125 x 32	139.7 x 42.4	300Psi 2.07Mpa	51	213	86	99	81	M16 x 85-2
5 x 1 1/4	5.500 x 1.660			2.01	8.39	3.39	3.9	3.19
125 x 40	139.7 x 48.3	300Psi 2.07Mpa	51	213	86	111	81	M16 x 85-2
5 x 1 1/2	5.500 x 1.900			2.01	8.39	3.39	4.37	3.19
125 x 50	139.7 x 60.3	300Psi 2.07Mpa	64	213	100	106	81	M16 x 85-2
5 x 2	5.500 x 2.375			2.52	8.39	2.91	4.17	3.19
125 x 65	139.7 x 76.1	300Psi 2.07Mpa	70	213	108	110	81	M16 x 85-2
5 x 2 1/2	5.500 x 3.000			2.76	8.39	4.25	4.33	3.19
125 x 80	139.7 x 88.9	300Psi 2.07Mpa	89	213	126	110	81	M16 x 85-2
5 x 3	5.500 x 3.500			3.5	8.39	4.96	4.33	3.19
125 x 25	141.3 x 33.7	300Psi 2.07Mpa	38	213	74	98	81	M16 x 85-2
5 x 1	5.563 x 1.315			1.5	8.39	2.91	3.86	3.19
125 x 32	141.3 x 42.4	300Psi 2.07Mpa	51	213	86	99	81	M16 x 85-2
5 x 1 1/4	5.563 x 1.660			2.01	8.39	3.39	3.9	3.19
125 x 40	141.3 x 48.3	300Psi 2.07Mpa	51	213	86	111	81	M16 x 85-2
5 x 1 1/2	5.563 x 1.900			2.01	8.39	3.39	4.37	3.19
125 x 50	141.3 x 60.3	300Psi 2.07Mpa	64	213	100	106	81	M16 x 85-2
5 x 2	5.563 x 2.375			2.52	8.39	2.91	4.17	3.19
125 x 65	141.3 x 76.1	300Psi 2.07Mpa	70	213	108	110	81	M16 x 85-2
5 x 2 1/2	5.563 x 3.000			2.76	8.39	4.25	4.33	3.19
125 x 80	141.3 x 88.9	300Psi 2.07Mpa	89	213	127	140	115	M20 x 115-2
5 x 3	5.563 x 3.500			3.5	12.21	5	5.51	4.53

Product size ←

Mechanical Tee Grooved Outlet



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



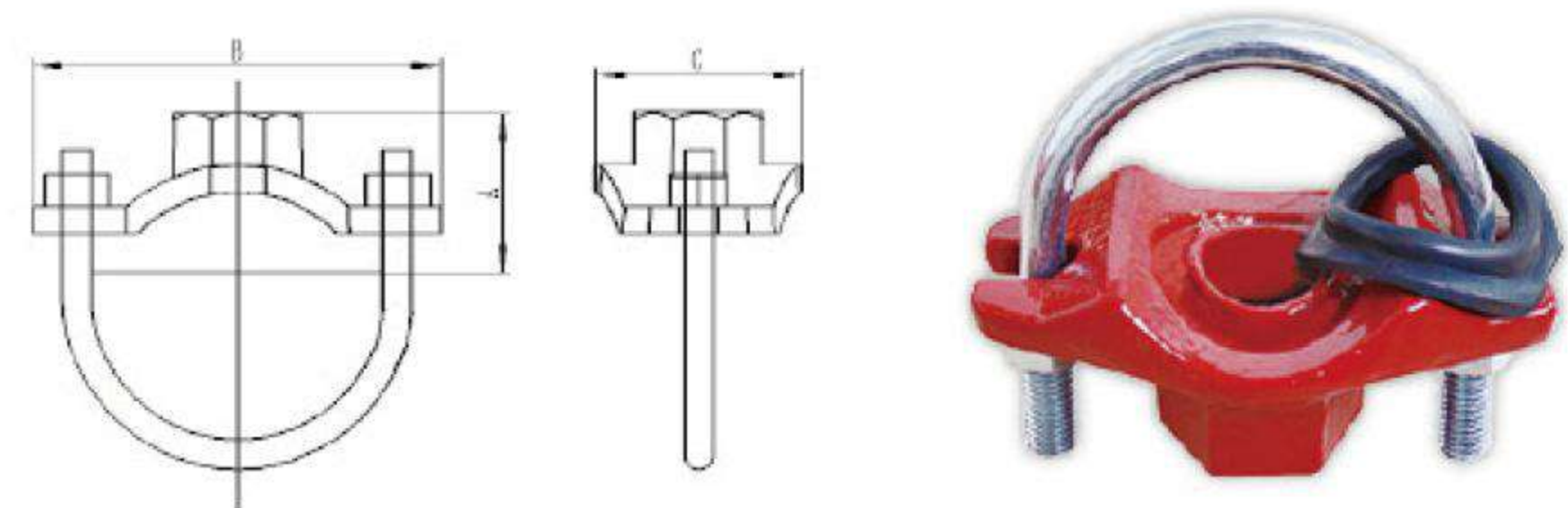
Mechanical Tee Grooved Outlet

Nominal Size	Pipe OD.	Working Pressure	Hei Dia.	Dimensions				Bolt Size
				A	B	C	D	
50 x 32	60.3 x 42.4	300Psi 2.07Mpa	45	116	69	68	40	M10 x 55-2
2 x 1 1/4	2.375 x 1.660			1.77	4.57	2.72	2.68	1.57
50 x 40	60.3 x 48.3	300Psi 2.07Mpa	45	116	69	68.5	40	M10 x 55-2
2 x 1 1/2	2.375 x 1.900			1.77	4.57	2.72	2.7	1.57
65 x 25	76.1 x 33.7	300Psi 2.07Mpa	38	144	69	76	49	M12 x 70-2
2 1/2 x 1	3.000 x 1.315			1.5	5.67	2.72	2.99	1.93
65 x 32	76.1 x 42.4	300Psi 2.07Mpa	51	144	69	76	49	M12 x 70-2
2 1/2 x 1 1/4	3.000 x 1.660			2.01	5.67	2.72	2.99	1.93
65 x 40	76.1 x 48.3	300Psi 2.07Mpa	51	144	80	76	49	M12 x 70-2
2 1/2 x 1 1/2	3.000 x 1.900			2.01	5.67	3.15	2.99	1.93
80 x 32	88.9 x 42.4	300Psi 2.07Mpa	51	146	86	85	55	M12 x 70-2
3 x 1 1/4	3.500 x 1.660			2.01	5.75	3.39	3.35	2.17
80 x 40	88.9 x 48.3	300Psi 2.07Mpa	51	146	86	85	55	M12 x 70-2
3 x 1 1/2	3.500 x 1.900			2.01	5.75	3.39	3.35	2.17
80 x 50	88.9 x 60.3	300Psi 2.07Mpa	64	146	96	85	55	M12 x 70-2
3 x 2	3.500 x 2.375			2.52	5.75	3.78	3.35	2.17
100 x 32	114.3 x 42.4	300Psi 2.07Mpa	51	178	82	96	69	M12 x 75-2
4 x 1 1/4	4.500 x 1.660			2.01	7.01	3.23	3.78	2.72
100 x 40	114.3 x 48.3	300Psi 2.07Mpa	51	178	82	96	69	M12 x 75-2
4 x 1 1/2	4.500 x 1.900			2.01	7.01	3.23	3.78	2.72
100 x 50	114.3 x 60.3	300Psi 2.07Mpa	64	178	96	97	69	M12 x 75-2
4 x 2	4.500 x 2.375			2.52	7.01	3.74	3.82	2.72
100 x 65	114.3 x 76.1	300Psi 2.07Mpa	70	178	113	97	69	M12 x 75-2
4 x 2 1/2	4.500 x 2.875			2.76	7.01	4.45	3.82	2.72
100 x 80	114.3 x 88.9	300Psi 2.07Mpa	89	178	126	123	95	M16 x 105-2
5 x 1								

→ Product size

U Bolt Mechanical Tee

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

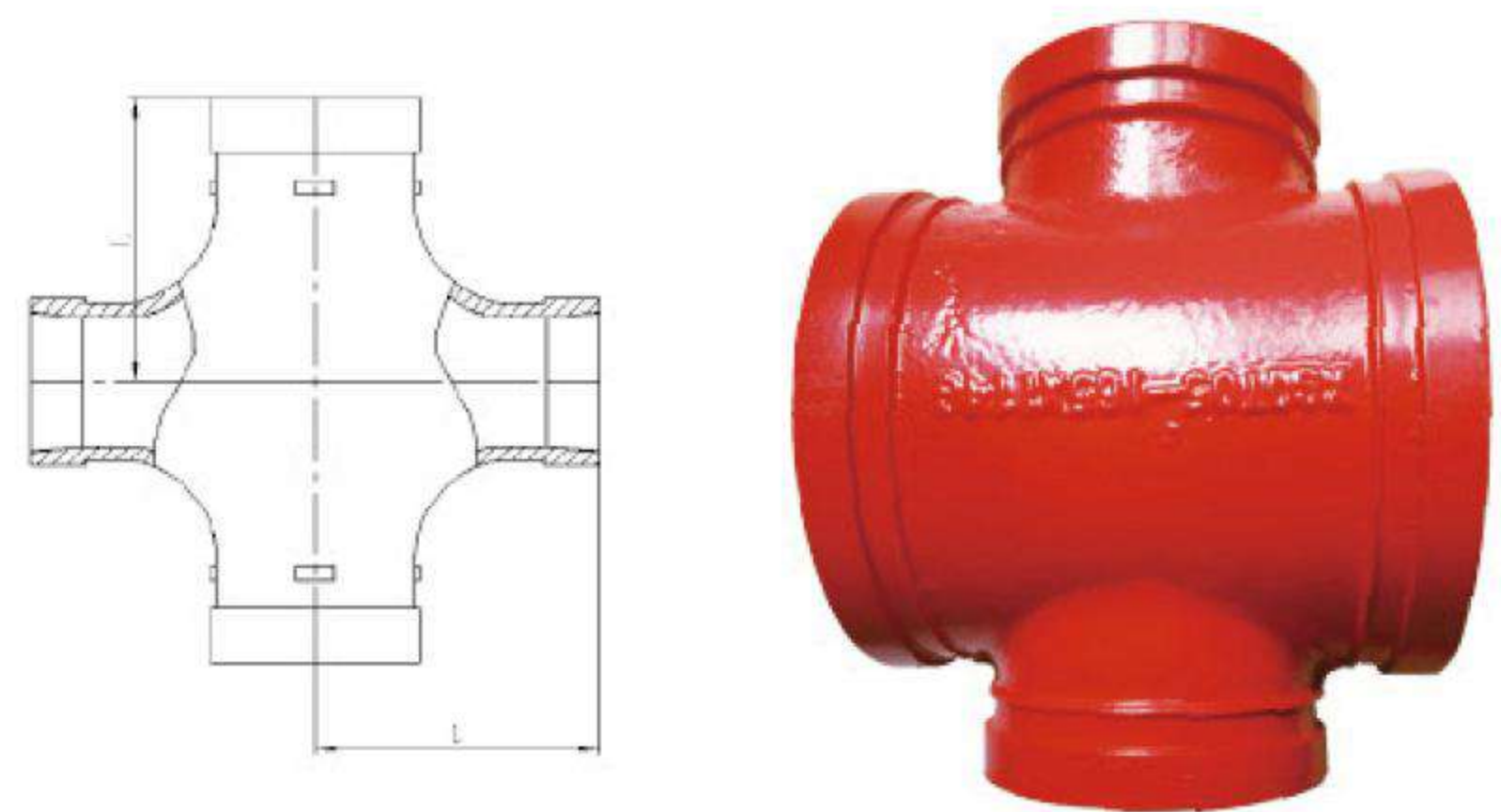


U Bolt Mechanical Tee

Nominal Size	Pipe OD.	Working Pressure	HeieDia	Dimensions			Bolt Size
mm/in	mm/in	psi/Mpa	Mm/in	A	L	H	mm
			+1.60/-0.082.0	mm	mm	mm	
32 x 15	42.4 x 21.3	300Psi 2.07Mpa	30	43	90	56	M10 x 42U
1 1/2 x 1/2	1.660 x 0.825		1.18	1.69	3.54	2.2	
32 x 20	42.4 x 26.9		30	43	90	56	M10 x 42U
1 1/2 x 3/4	1.660 x 1.050		1.18	1.69	3.54	2.2	
32 x 25	42.4 x 33.7		30	51	90	56	M10 x 42U
1 1/2 x 1	1.660 x 1.315		1.18	2.01	3.54	2.2	
40 x 15	48.3 x 21.3		30	46	90	56	M10 x 48U
1 1/2 x 1/2	1.900 x 0.825		1.18	1.81	3.54	2.2	
40 x 20	48.3 x 26.9		30	49	90	56	M10 x 48U
1 1/2 x 3/4	1.900 x 1.050		1.18	1.93	3.54	2.2	
40 x 25	48.3 x 33.7		30	54	90	56	M10 x 48U
1 1/2 x 1	1.900 x 1.315		1.18	2.13	3.54	2.2	
50 x 15	60.3 x 21.3		30	52	96	56	M10 x 60U
2 x 1/2	2.375 x 0.825		1.18	2.05	3.78	2.2	
50 x 20	60.3 x 26.9		30	52	96	56	M10 x 60U
2 x 3/4	2.375 x 1.050		1.18	2.05	3.78	2.2	
50 x 25	60.3 x 33.7		30	60	96	56	M10 x 60U
2 x 1	2.375 x 1.315		1.18	2.36	3.78	2.2	
65 x 15	76.1 x 21.3		30	60	112	56	M10 x 76U
2 1/2 x 1/2	3.000 x 0.825		1.18	2.36	4.41	2.2	
65 x 20	76.1 x 26.9	30	60	112	56	M10 x 76U	
2 1/2 x 3/4	3.000 x 1.050	1.18	2.36	4.41	2.2		
65 x 25	76.1 x 33.7	30	68	112	56	M10 x 76U	
2 1/2 x 1	3.000 x 1.315	1.18	2.68	4.41	2.2		

Grooved Reducing Cross

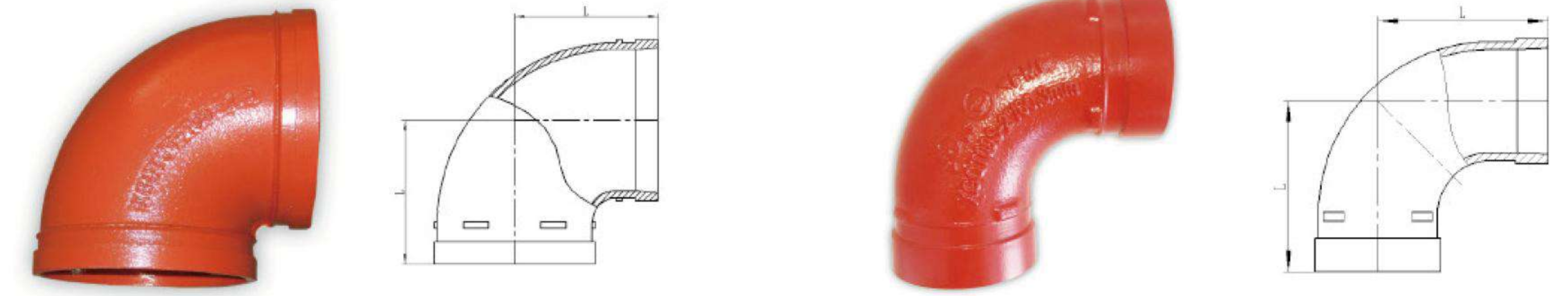
According to different situation, the appearance can be dealt with epoxy powder, hot-dipped zinc, paint, dacromet or your requirement.



Grooved Reducing Cross

Nominal Size	Pipe OD.	Working Pressure	Dimensions	
mm/in	mm/in	psi/Mpa	L1mm/in	L2mm/in
100 x 50	114.3 x 60.3	300Psi 2.07Mpa	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
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)

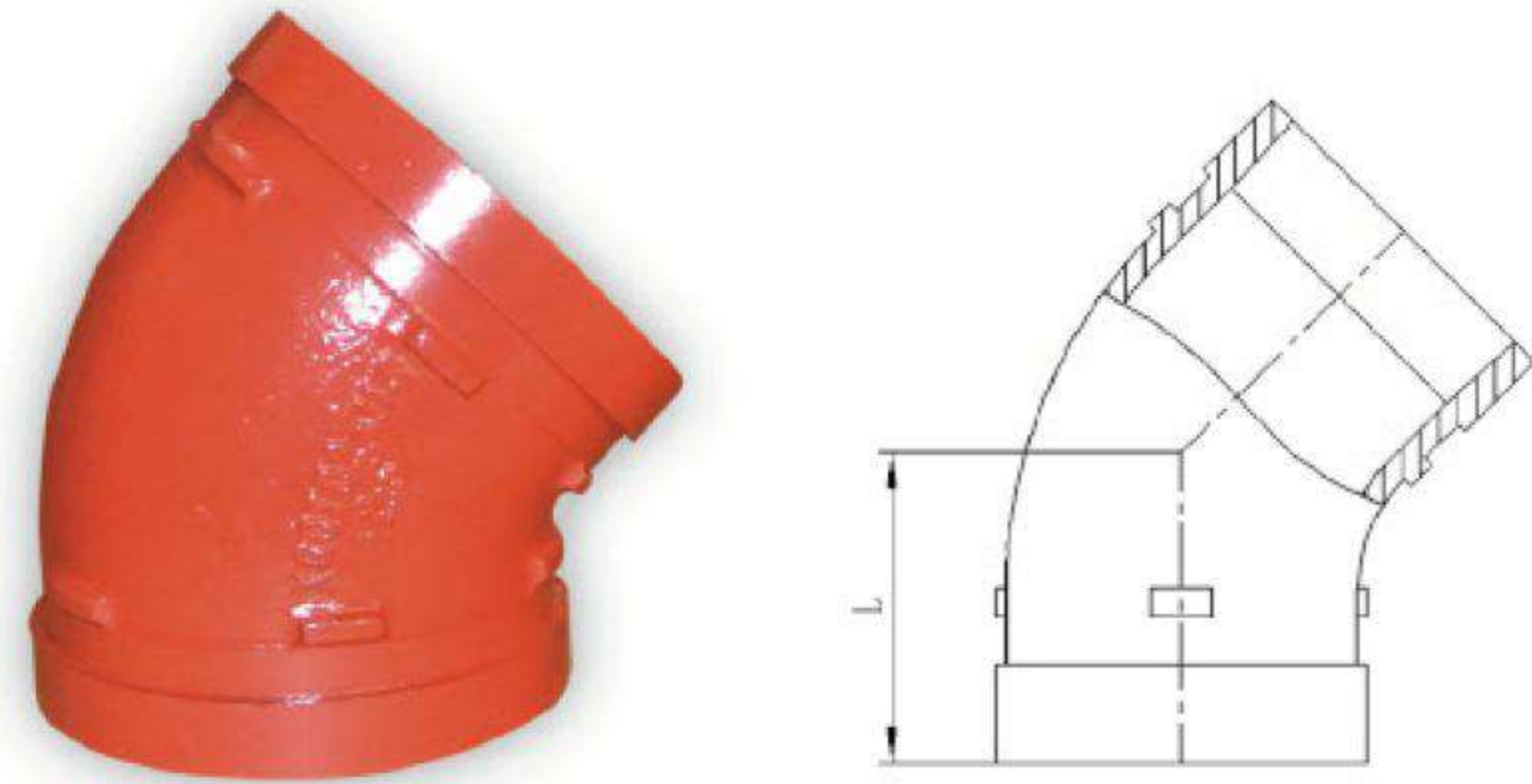
Nominal Size	Pipe OD	Working Pressure	Dimensions
mm/in	mm/in	Mpa	mm
25	33.7	300Psi 2.07Mpa	57
1	1.327		2.24
32	42.4		60
1 1/4	1.669		2.36
40	48.3		60
1 1/2	1.9		2.36
50	60.3		70
2	2.375		2.76
65	73		76
2 1/2	2.875		2.99
65	76.1		76
2 1/2	3		2.99
80	88.9		86
3	3.5		3.39
100	108		102
4	4.25		4.02
100	114.3		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	5.51	
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	

90° Elbow(LONG)

Nominal Size	Pipe OD	Working Pressure	Dimensions
mm/in	mm/in	Mpa	mm
25	33.7	300Psi 2.07Mpa	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	6.5	
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	

→ Product size

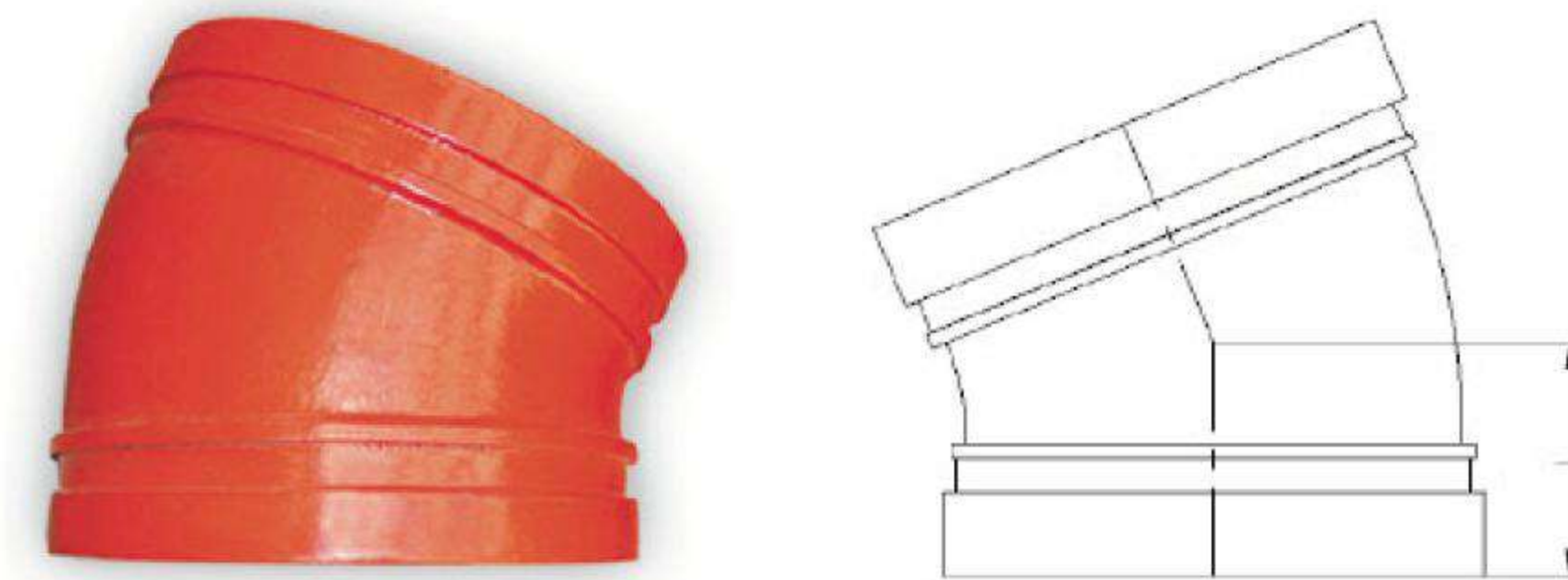
45° Elbow



45° Elbow

Nominal Size	Pipe OD.	Working Pressure	Dimensions
mm/in	mm/in	psi/Mpa	Lmm/in
25	33.7	300Psi 2.07Mpa	45
1	1.327		1.77
32	42.4		45
1 1/4	1.669		1.77
40	48.3		45
1 1/2	1.9		1.77
50	60.3		51
2	2.375		2.01
65	73		57
2 1/2	2.875		2.24
65	76.1		57
2 1/2	3		2.24
80	88.9		64
3	3.5		2.51
100	108		76
4	4.25		3
100	114.3		76
4	4.5		3
125	133		82.5
5	5.25		3.24
125	139.7		82.5
5	5.5		3.24
125	141.3		82.5
5	5.563		3.24
150	159	89	
6	6.25	3.5	
150	165.1	89	
6	6.5	3.5	
150	168.3	89	
6	6.625	3.5	
200	219.1	108	
8	8.625	4.25	
250	273	120.5	
10	10.75	4.74	
300	323.9	133	
12	12.75	5.23	

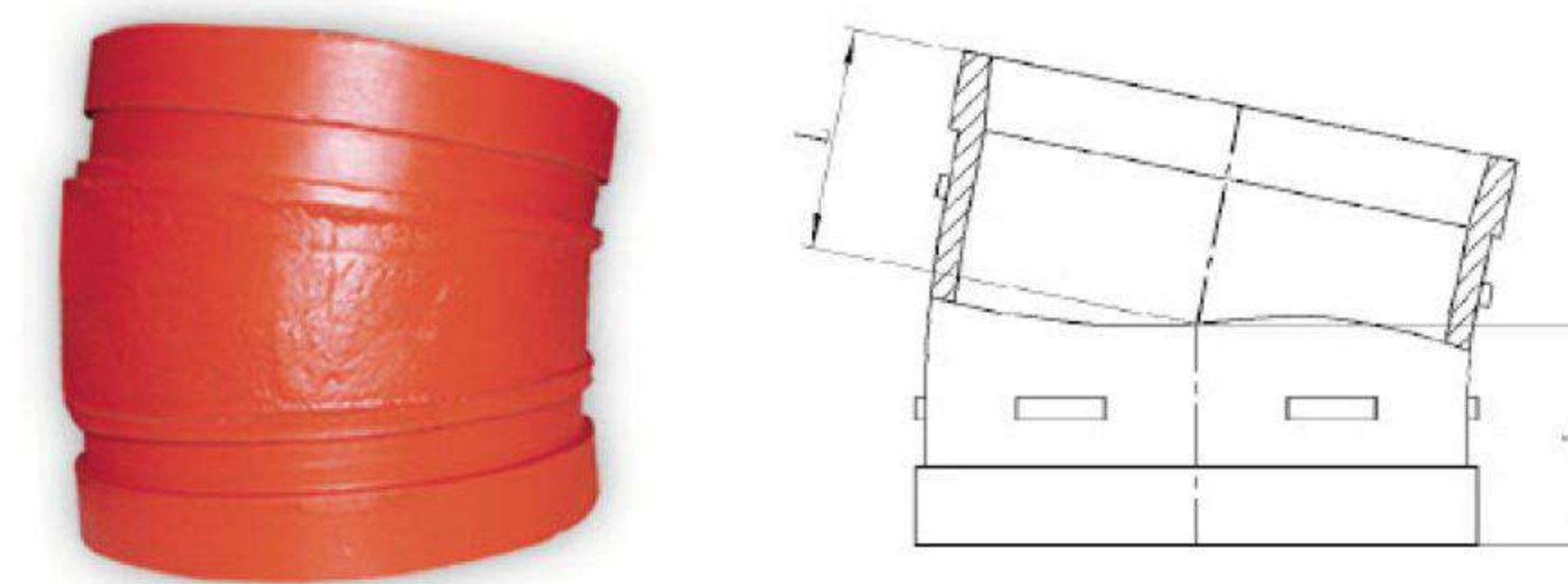
22.5° Elbow



22.5° Elbow

Nominal Size	Pipe OD.	Working Pressure	Dimensions
mm/in	mm/in	psi/Mpa	Lmm/in
32	42.4	300Psi 2.07Mpa	40
1 1/4	1.669		1.57
40	48.3		45
1 1/2	1.9		1.77
50	60.3		50
2	2.375		1.97
65	73		50
2 1/2	2.875		1.97
65	76.1		50
2 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		70
5	5.25		2.76
125	139.7		70
5	5.5		2.76
150	159		89
6	6.25		3.5
150	165.1		89
6	6.5		3.5
150	168.3	89	
6	6.625	3.5	
200	219.1	98	
8	8.625	3.85	
250	273	120	
10	10.75	4.72	
300	323.9	120	
12	12.75	4.72	

11.25° Elbow

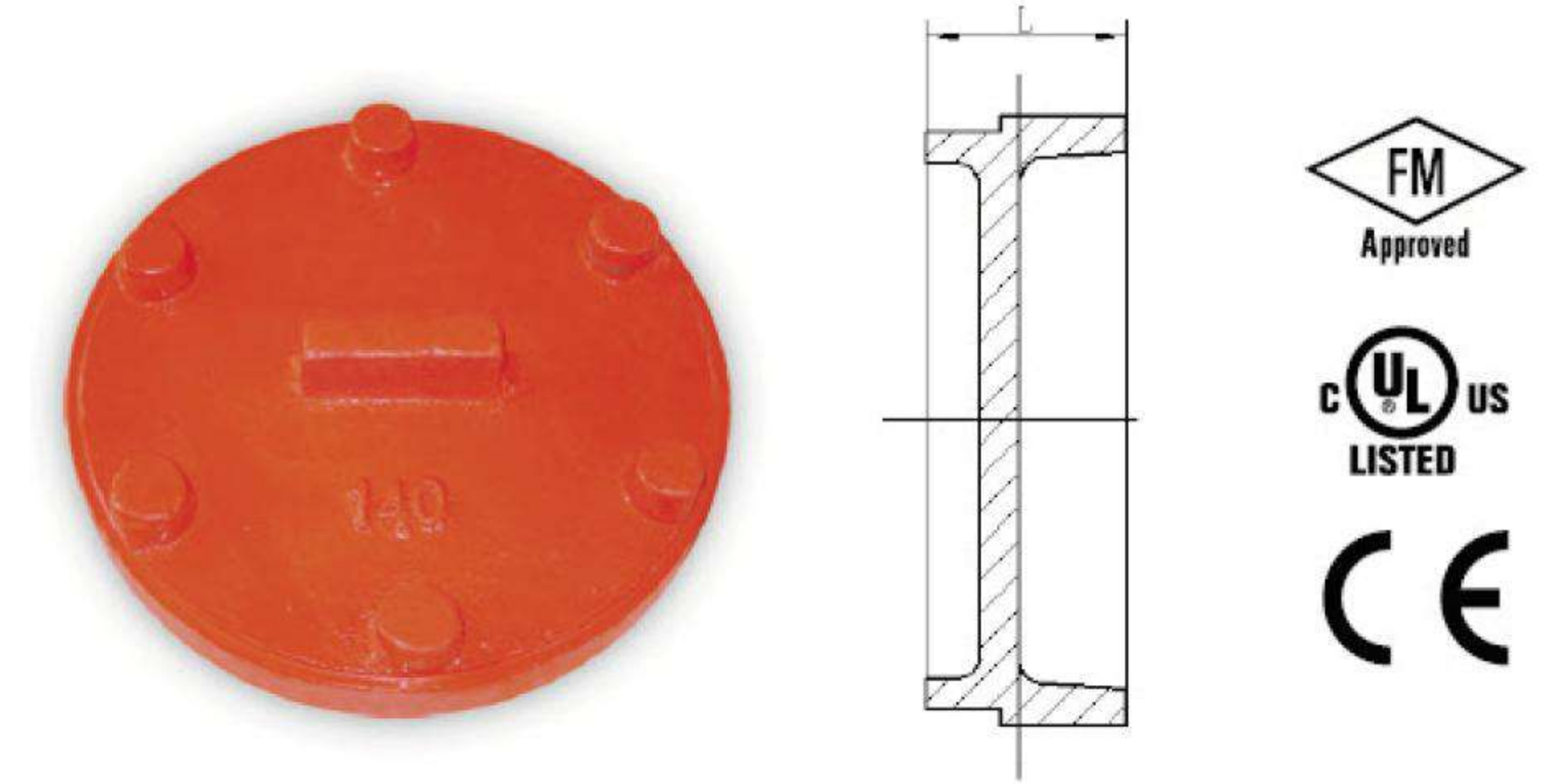


11.25° Elbow

Nominal Size	Pipe OD.	Working Pressure	Dimensions
mm/in	mm/in	psi/Mpa	Lmm/in
32	42.4	300Psi 2.07Mpa	35
1 1/4	1.669		1.38
40	48.3		40
1 1/2	1.9		1.57
50	60.3		40
2	2.375		1.57
65	73		40
2 1/2	2.875		1.57
65	76.1		40
2 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
150	159		50
6	6.25		1.97
150	165.1		50
6	6.5		1.97
150	168.3	50	
6	6.625	1.97	
200	219.1	50	
8	8.625	1.97	
250	273	80	
10	10.75	3.15	
300	323.9	80	
12	12.75	3.15	

Product size ←

Cap



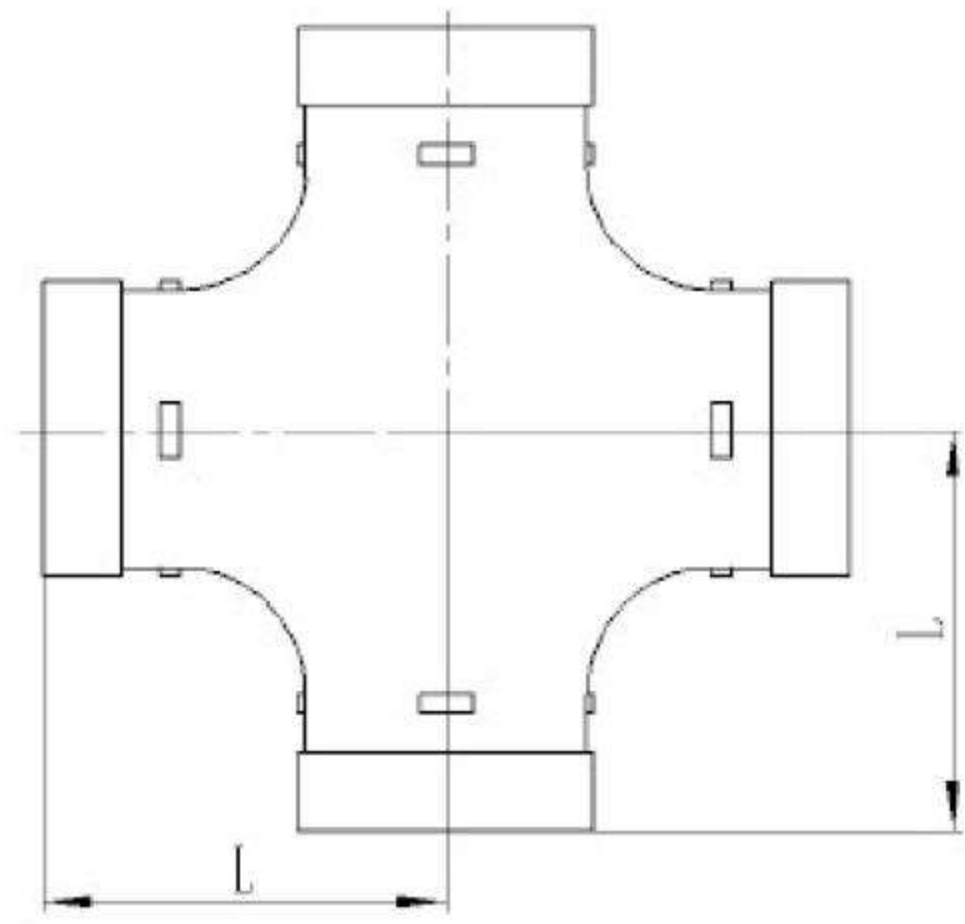
Cap

Nominal Size	Pipe OD.	Working Pressure	Dimensions
mm/in	mm/in	psi/Mpa	Lmm/in
25	33.7	300Psi 2.07Mpa	25
1	1.327		0.98
32	42.4		25
1 1/4	1.669		0.98
40	48.3		25
1 1/2	1.9		0.98
50	60.3		25
2	2.375		0.98
65	73		25
2 1/2	2.875		0.98
65	76.1		25
2 1/2	3		0.98
80	88.9		25
3	3.5		0.98
100	108		27
4	4.25		1.06
100	114.3		27
4	4.5		1.06
125	133		27
5	5.25		1.06
125	139.7		27
5	5.5		1.06
125	141.3		27
5	5.563		1.06
150	159	27	
6	6.25	1.06	
150	165.1	27	
6	6.5	1.06	
150	168.3	27	
6	6.625	1.06	
200	219.1	31	
8	8.625	1.22	
250	273	33	
10	10.75	1.3	
300	323.9	33	
12	12.75	1.3	

→ **Product size**

Cross

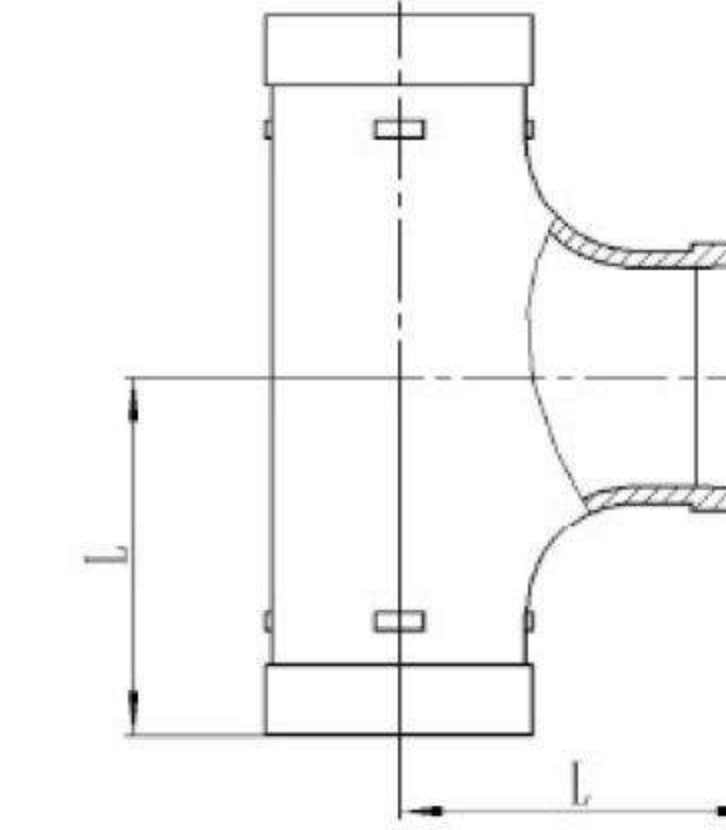
According to different situation, the appearance can be dealt with epoxy powder, hot-dipped zinc, paint, dacromet or your requirement.



Cross

Nominal Size mm/in	Pipe OD. mm/in	Working Pressure psi/Mpa	Dimensions Lmm/in
25	33.7	300Psi 2.07Mpa	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	6.5	
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	300Psi 2.07Mpa	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	6.5	
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(SHOT)

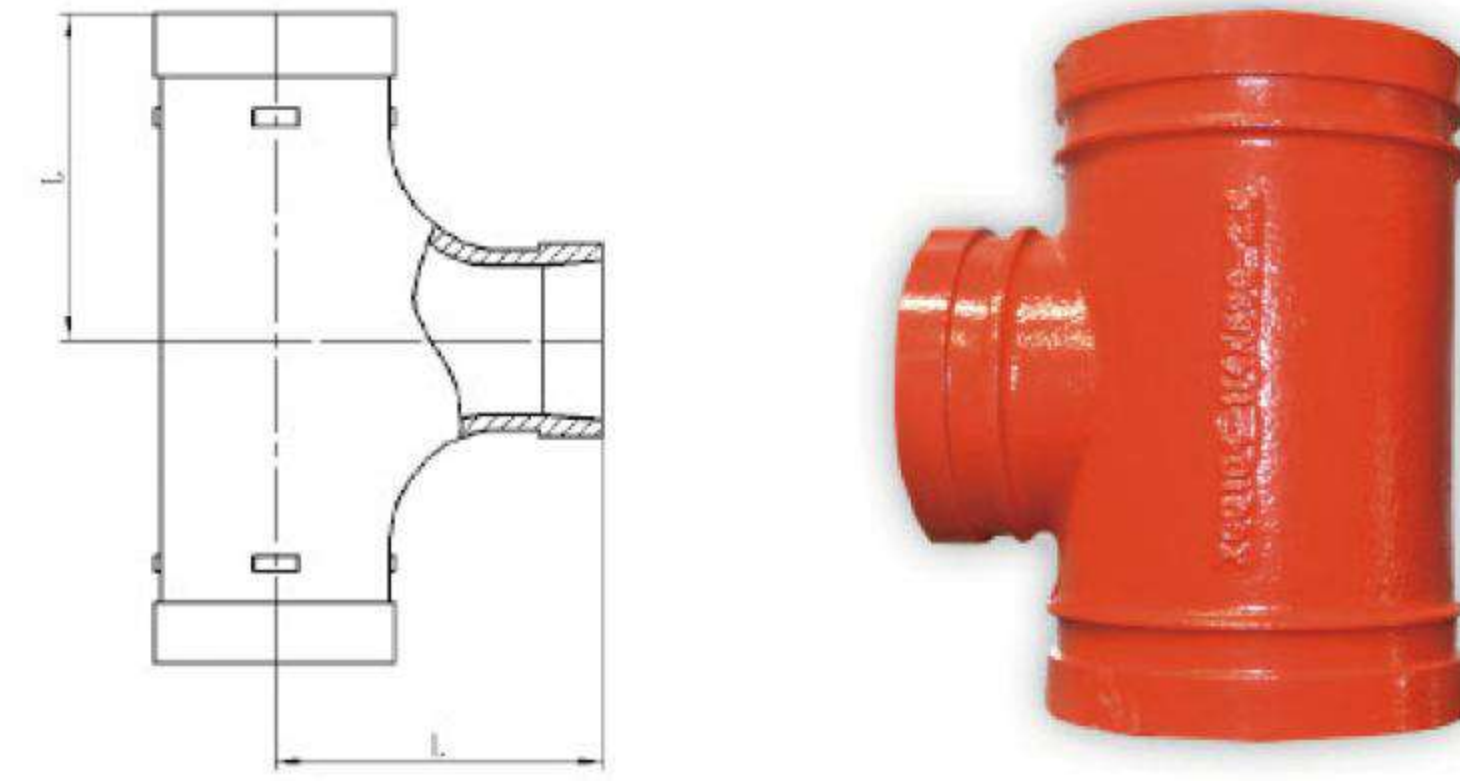
Nominal Size mm/in	Pipe OD. mm/in	Working Pressure psi/Mpa	Dimensions Lmm/in
25	33.7	300Psi 2.07Mpa	57
1	1.327		2.24
32	42.4		60
1 1/4	1.669		2.36
40	48.3		60
1 1/2	1.9		2.36
50	60.3		70
2	2.375		2.76
65	73		76
2 1/2	2.875		2.99
65	76.1		76
2 1/2	3		2.99
80	88.9		86
3	3.5		3.39
100	108		102
4	4.25		4.02
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	5.51	
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 dealt with epoxy powder, hot-dipped zinc, paint, dacromet or your requirement.

→ Product size

Grooved Reducing Tee

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



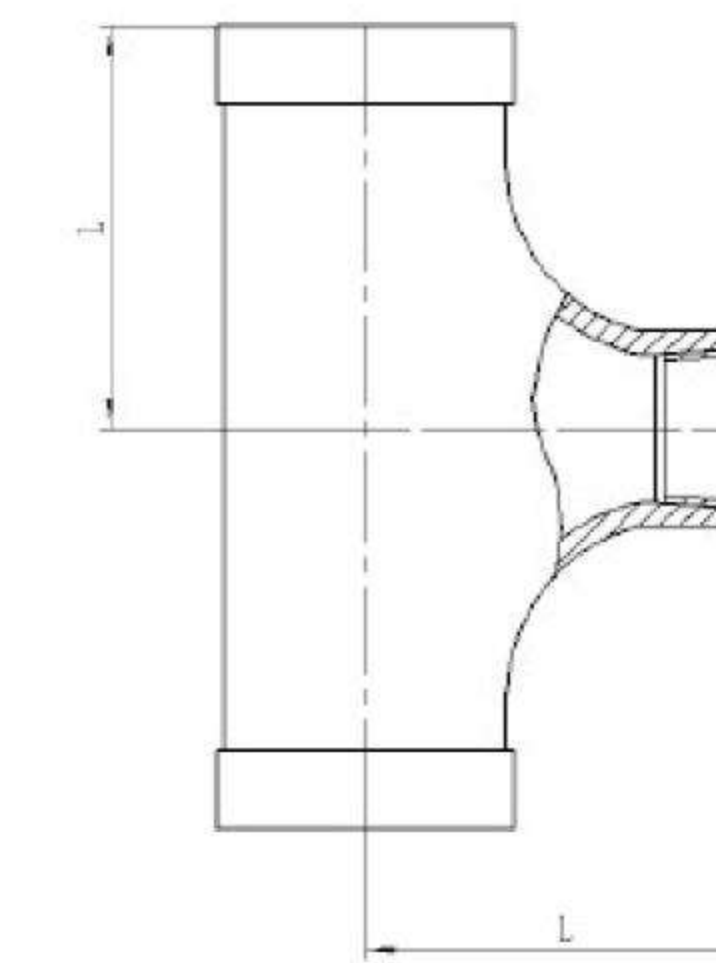
Grooved Reducing Tee

Nominal Size	Pipe OD.	Working Pressure	Dimensions		Nominal Size	Pipe OD.	Working Pressure	Dimensions	
			L1mm/in	L2mm/in				L1mm/in	L2mm/in
50 x 25	60.3 x 33.7	300Psi 2.07Mpa	82	82	125 x 50	141.3 x 60.3	300Psi 2.07Mpa	140	140
2 x 1	2.375 x 1.315		3.23	3.23	5 x 2	5.563 x 2.375		5.51	5.51
50 x 32	60.3 x 42.4	300Psi 2.07Mpa	82	82	125 x 65	141.3 x 73.0	300Psi 2.07Mpa	140	140
2 x 1 1/2	2.375 x 1.660		3.23	3.23	5 x 2 1/2	5.563 x 2.875		5.51	5.51
50 x 40	60.3 x 48.3	300Psi 2.07Mpa	82	82	125 x 65	141.3 x 76.1	300Psi 2.07Mpa	140	140
2 x 1 1/2	2.375 x 1.900		3.23	3.23	5 x 2 1/2	5.563 x 3.000		5.51	5.51
65 x 32	73.0 x 42.4	300Psi 2.07Mpa	95	95	125 x 80	141.3 x 88.9	300Psi 2.07Mpa	140	140
2 1/2 x 1 1/2	2.875 x 1.660		3.74	3.74	5 x 3	5.563 x 3.500		5.51	5.51
65 x 40	73.0 x 48.3	300Psi 2.07Mpa	95	95	125 x 100	141.3 x 114.3	300Psi 2.07Mpa	140	140
2 1/2 x 1 1/2	2.875 x 1.900		3.74	3.74	5 x 2 1/2	5.563 x 4.500		5.51	5.51
65 x 50	73.0 x 60.3	300Psi 2.07Mpa	95	95	150 x 65	159.0 x 76.1	300Psi 2.07Mpa	165	165
2 1/2 x 2	2.875 x 2.375		3.74	3.74	6 x 2 1/2	6.250 x 3.000		6.5	6.5
65 x 32	76.1 x 42.4	300Psi 2.07Mpa	95	95	150 x 80	159.0 x 88.9	300Psi 2.07Mpa	165	165
2 1/2 x 1 1/2	3.000 x 1.660		3.74	3.74	6 x 3	6.250 x 3.500		6.5	6.5
65 x 40	76.1 x 48.3	300Psi 2.07Mpa	95	95	150 x 100	159.0 x 108.0	300Psi 2.07Mpa	165	165
2 1/2 x 1 1/2	3.000 x 1.900		3.74	3.74	6 x 4	6.250 x 4.250		6.5	6.5
65 x 50	76.1 x 60.3	300Psi 2.07Mpa	95	95	150 x 100	159.0 x 114.3	300Psi 2.07Mpa	165	165
2 1/2 x 2	3.000 x 2.375		3.74	3.74	6 x 4	6.250 x 4.500		6.5	6.5
80 x 40	88.9 x 48.3	300Psi 2.07Mpa	108	108	150 x 50	165.1 x 60.3	300Psi 2.07Mpa	165	165
3 x 1 1/2	3.500 x 1.900		4.25	4.25	6 x 2	6.500 x 2.375		6.5	6.5
80 x 50	88.9 x 60.3	300Psi 2.07Mpa	108	108	150 x 65	165.1 x 76.1	300Psi 2.07Mpa	165	165
3 x 2	3.500 x 2.375		4.25	4.25	6 x 2 1/2	6.500 x 3.000		6.5	6.5
80 x 65	88.9 x 76.1	300Psi 2.07Mpa	108	108	150 x 80	165.1 x 88.9	300Psi 2.07Mpa	165	165
3 x 2 1/2	3.500 x 3.000		4.25	4.25	6 x 3	6.500 x 3.500		6.5	6.5
100 x 65	108.0 x 76.1	300Psi 2.07Mpa	127	127	150 x 100	165.1 x 114.3	300Psi 2.07Mpa	165	165
4 x 2 1/2	4.250 x 3.000		5	5	6 x 4	6.500 x 4.500		6.5	6.5
100 x 80	108.0 x 88.9	300Psi 2.07Mpa	127	127	150 x 125	165.1 x 139.7	300Psi 2.07Mpa	165	165
4 x 3	4.250 x 3.500		5	5	6 x 5	6.500 x 5.500		6.5	6.5
100 x 50	114.3 x 60.3	300Psi 2.07Mpa	127	127	150 x 50	168.3 x 60.3	300Psi 2.07Mpa	165	165
4 x 2	4.500 x 2.375		5	5	6 x 2	6.625 x 2.375		6.5	6.5
100 x 65	114.3 x 76.1	300Psi 2.07Mpa	127	127	150 x 65	168.3 x 76.1	300Psi 2.07Mpa	165	165
4 x 2 1/2	4.500 x 3.000		5	5	6 x 2 1/2	6.625 x 3.000		6.5	6.5
100 x 80	114.3 x 88.9	300Psi 2.07Mpa	127	127	150 x 80	168.3 x 88.9	300Psi 2.07Mpa	165	165
4 x 3	4.500 x 3.500		5	5	6 x 3	6.625 x 3.500		6.5	6.5
125 x 50	133.0 x 60.3	300Psi 2.07Mpa	140	140	200 x 65	219.1 x 76.1	300Psi 2.07Mpa	197	197
5 x 2	5.250 x 2.375		5.51	5.51	8 x 2 1/2	8.625 x 3.000		7.76	7.76
125 x 65	133.0 x 76.1	300Psi 2.07Mpa	140	140	200 x 80	219.1 x 88.9	300Psi 2.07Mpa	197	197
5 x 2 1/2	5.250 x 3.000		5.51	5.51	8 x 3	8.625 x 3.500		7.76	7.76
125 x 100	133.0 x 108.0	300Psi 2.07Mpa	140	140	200 x 100	219.1 x 114.3	300Psi 2.07Mpa	197	197
5 x 4	5.250 x 4.250		5.51	5.51	8 x 4	8.625 x 4.500		7.76	7.76
125 x 100	133.0 x 114.3	300Psi 2.07Mpa	140	140	200 x 125	219.1 x 139.7	300Psi 2.07Mpa	197	197
5 x 4	5.250 x 4.500		5.51	5.51	8 x 5	8.625 x 5.500		7.76	7.76
125 x 50	139.7 x 60.3	300Psi 2.07Mpa	140	140	200 x 150	219.1 x 165.1	300Psi 2.07Mpa	197	197
5 x 2	5.500 x 2.375		5.51	5.51	8 x 6	8.625 x 6.500		7.76	7.76
125 x 65	139.7 x 76.1	300Psi 2.07Mpa	140	140	250 x 100	273.0 x 114.3	300Psi 2.07Mpa	229	229
5 x 2 1/2	5.500 x 3.000		5.51	5.51	10 x 4	10.750 x 4.500		9.02	9.02
125 x 80	139.7 x 88.9	300Psi 2.07Mpa	140	140	250 x 125	273.0 x 139.7	300Psi 2.07Mpa	229	229
5 x 3	5.500 x 3.500		5.51	5.51	10 x 5	10.750 x 5.500		9.02	9.02
125 x 100	139.7 x 114.3	300Psi 2.07Mpa	140	140	250 x 150	273.0 x 165.1	300Psi 2.07Mpa	229	229
5 x 4	5.500 x 4.500		5.51	5.51	10 x 6	10.750 x 6.500		9.02	9.02

Product size ←

Threaded Reducing Tee

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



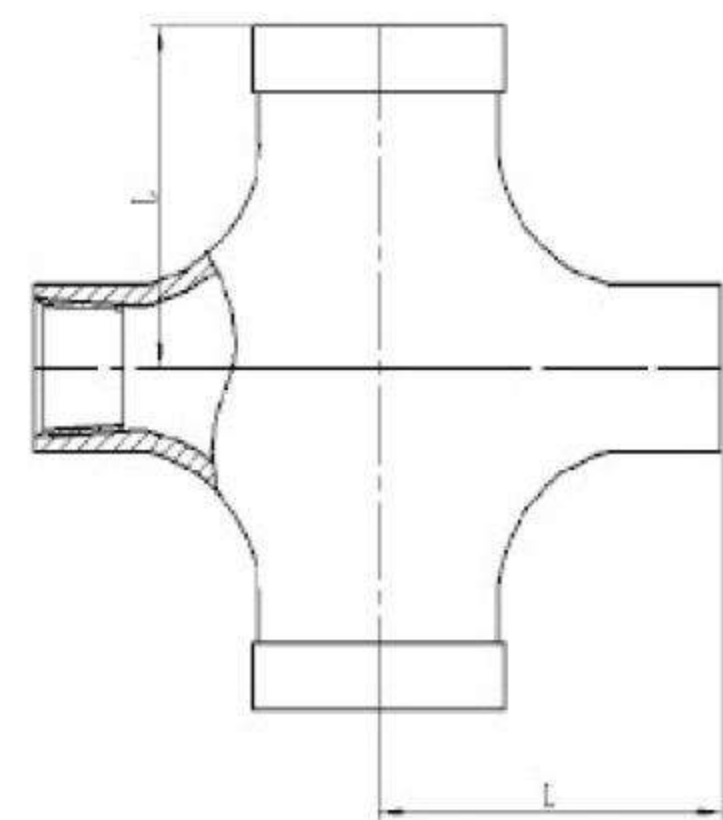
Threaded Reducing Tee

Nominal Size	Pipe OD.	Working Pressure	Dimensions		Nominal Size	Pipe OD.	Working Pressure	Dimensions	
			L1mm/in	L2mm/in				L1mm/in	L2mm/in
40 x 25	48.3 x 33.7	300Psi 2.07Mpa	70	70	125 x 32	139.7 x 42.4	300Psi 2.07Mpa	140	140
1 1/2 x 1	1.900 x 1.315		2.76	2.76	5 x 1 1/2	5.500 x 1.660		5.51	5.51
40 x 32	48.3 x 42.4	300Psi 2.07Mpa	70	70	125 x 40	139.7 x 48.3	300Psi 2.07Mpa	140	140
1 1/2 x 1 1/2	1.900 x 1.660		2.76	2.76	5 x 1 1/2	5.500 x 1.900		5.51	5.51
50 x 25	60.3 x 33.7	300Psi 2.07Mpa	82	82	125 x 50	139.7 x 60.3	300Psi 2.07Mpa	140	140
2 x 1	2.375 x 1.315		3.23	3.23	5 x 2	5.500 x 2.375		5.51	5.51
50 x 32	60.3 x 42.4	300Psi 2.07Mpa	82	82	125 x 65	139.7 x 76.1	300Psi 2.07Mpa	140	140
2 x 1 1/2	2.375 x 1.660		3.23	3.23	5 x 2 1/2	5.500 x 3.000		5.51	5.51
50 x 40	60.3 x 48.3	300Psi 2.07Mpa	82	82	125 x 80	139.7 x 88.9	300Psi 2.07Mpa	140	140
2 x 1 1/2	2.375 x 1.900		3.23	3.23	5 x 3	5.500 x 3.500		5.51	5.51
65 x 25	73.0 x 33.7	300Psi 2.07Mpa	95	95	125 x 25	141.3 x 33.7	300Psi 2.07Mpa	140	140
2 1/2 x 1	2.875 x 1.315		3.74	3.74	5 x 1	5.563 x 1.315		5.51	5.51
65 x 32	73.0 x 42.4	300Psi 2.07Mpa	95	95	125 x 32	141.3 x 42.4	300Psi 2.07Mpa	140	140
2 1/2 x 1 1/2	2.875 x 1.660		3.74	3.74	5 x 1 1/2	5.563 x 1.315		5.51	5.51
65 x 40	73.0 x 48.3	300Psi 2.07Mpa	95	95	125 x 40	141.3 x 48.3	300Psi 2.07Mpa	140	140
2 1/2 x 1 1/2	2.875 x 1.900		3.74	3.74	5 x 1 1/2	5.563 x 1.900		5.51	5.51
65 x 50	73.0 x 60.3	300Psi 2.07Mpa	95	95	125 x 50	141.3 x 60.3	300Psi 2.07Mpa	140	140
2 1/2 x 2	2.875 x 2.375		3.74	3.74	5 x 2	5.563 x 2.375		5.51	5.51
65 x 25	76.1 x 33.7	300Psi 2.07Mpa	95	95	125 x 65	141.3 x 73.0	300Psi 2.07Mpa	140	140
2 1/2 x 1	3.000 x 1.315		3.74	3.74	5 x 2 1/2	5.563 x 2.875		5.51	5.51
65 x 32	76.1 x 42.4	300Psi 2.07Mpa	95	95	125 x 65	141.3 x 76.1	300Psi 2.07Mpa	140	140
2 1/2 x 1 1/2	3.000 x 1.660		3.74	3.74	5 x 2 1/2	5.563 x 3.000		5.51	5.51
65 x 40	76.1 x 48.3	300Psi 2.07Mpa	95	95	150 x 65	159.0 x 76.1	300Psi 2.07Mpa	165	165
2 1/2 x 1 1/2	3.000 x 1.900		3.74	3.74	6 x 2 1/2	6.250 x 3.000		6.5	6.5
65 x 50	76.1 x 60.3	300Psi 2.07Mpa	95	95	150 x 80	159.0 x 88.9	300Psi 2.07Mpa	165	165
2 1/2 x 2	3.000 x 2.375		3.74	3.74	6 x 3	6.250 x 3.500		6.5	6.5
80 x 25	88.9 x 33.7	300Psi 2.07Mpa	108	108	150 x 25	165.1 x 33.7	300Psi 2.07Mpa	165	165
3 x 1	3.500 x 1.315		4.25	4.25	6 x 1	6.500 x 1.315		6.5	6.5
80 x 32	88.9 x 42.4	300Psi 2.07Mpa	108	108	150 x 32	165.1 x 42.4	300Psi 2.07Mpa	165	165
3 x 1 1/2	3.500 x 1.660		4.25	4.25	6 x 1 1/2	6.500 x 1.660		6.5	6.5
80 x 40	88.9 x 48.3	300Psi 2.07Mpa	108	108	150 x 40	165.1 x 48.3	300Psi 2.07Mpa	165	165
3 x 1 1/2	3.500 x 1.900		4.25	4.25	6 x 1 1/2	6.500 x 1.900		6.5	6.5
80 x 50	88.9 x 60.3	300Psi 2.07Mpa	108	108	150 x 50	165.1 x 60.3	300Psi 2.07Mpa	165	165
3 x 2	3.500 x 2.375		4.25	4.25	6 x 2	6.500 x 2.375		6.5	6.5
80 x 65	88.9 x 76.1	300Psi 2.07Mpa	108	108	150 x 65	165.1 x 76.1	300Psi 2.07Mpa	165	165
3 x 2 1/2	3.500 x 3.000		4.25	4.25	6 x 2 1/2	6.500 x 3.000		6.5	6.5
100 x 65	108.0 x 76.1	300Psi 2.07Mpa	127	127	150 x 80	165.1 x 88.9	300Psi 2.07Mpa	165	165
4 x 2 1/2	4.250 x 3.000		5	5	6 x 3	6.500 x 3.500		6.5	6.5
100 x 80	108.0 x 88.9	300Psi 2.07Mpa	127	127	150 x 100	165.1 x			

→ Product size

Threaded Reducing Cross

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



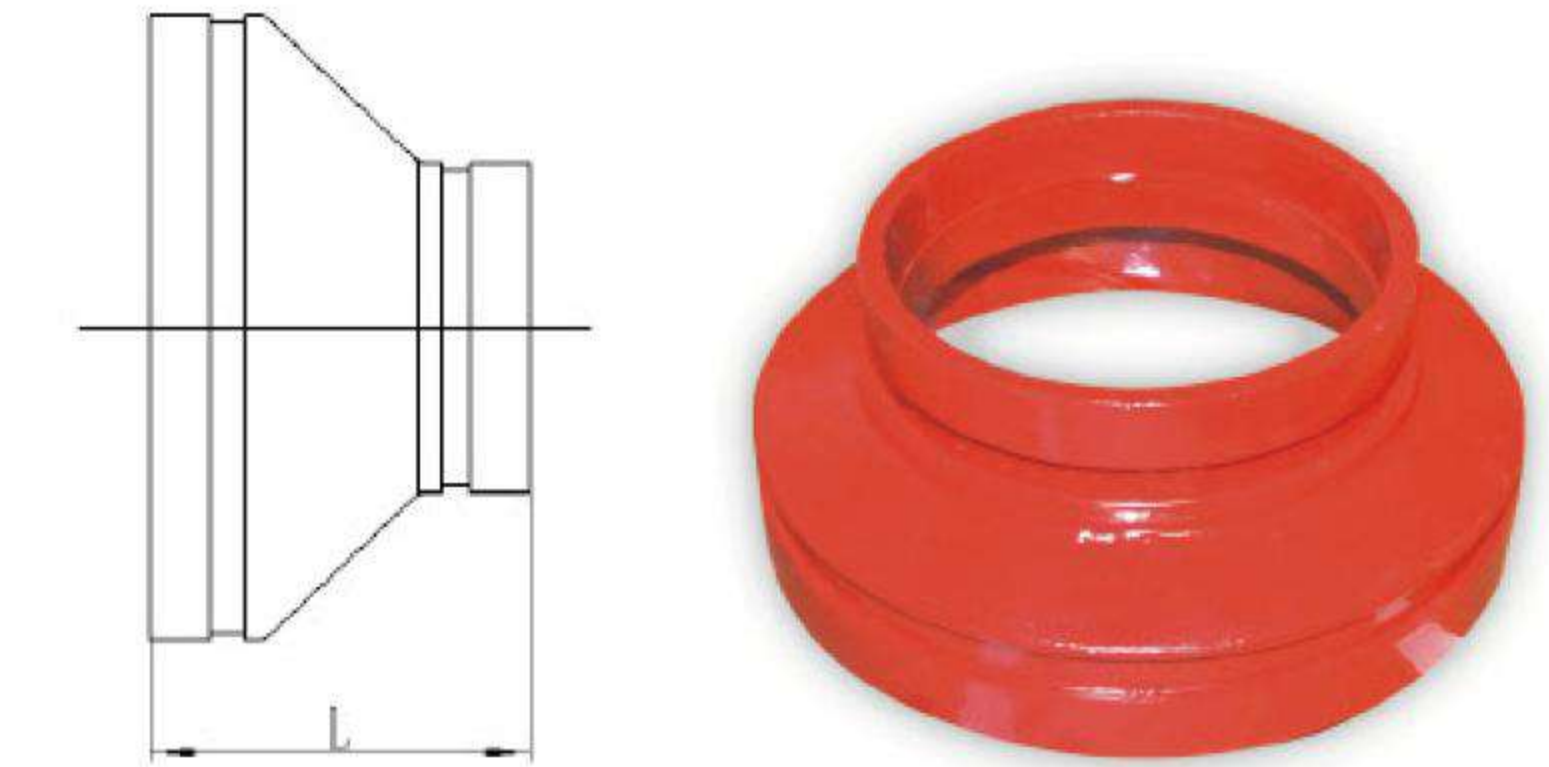
Threaded Reducing Cross

Nominal Size mm/in	Pipe OD. mm/in	Working Pressure psi/Mpa	Dimensions	
			L1mm/in	L2mm/in
100×25 4×1	114.3×33.7 4.500×1.315	300Psi 2.07Mpa	127	127
100×32 4×1 1/4	114.3×42.4 4.500×1.315		127	127
100×40 4×1 1/2	114.3×48.3 4.500×1.900		127	127
100×50 4×2	114.3×60.3 4.500×2.375		127	127
100×65 4×2 1/2	114.3×76.1 4.500×3.000		127	127
100×80 4×3	114.3×88.9 4.500×3.500		127	127
125×32 5×1 1/4	139.7×42.4 5.500×1.315		140	140
125×40 5×1 1/2	139.7×48.3 5.500×1.900		140	140
125×50 5×2	139.7×60.3 5.500×2.375		140	140
125×65 5×2 1/2	139.7×76.1 5.500×3.000		140	140
125×80 5×3	139.7×88.9 5.500×3.500		140	140
150×25 6×1	165.1×33.7 6.500×1.315		165	165
150×32 6×1 1/4	165.1×42.4 6.500×1.315		165	165
150×40 6×1 1/2	165.1×48.3 6.500×1.900		165	165
150×50 6×2	165.1×60.3 6.500×2.375		165	165
150×65 6×2 1/2	165.1×76.1 6.500×3.000		165	165
150×80 6×3	165.1×88.9 6.500×3.500		165	165

Product size ←

Grooved Concentric Reducer

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



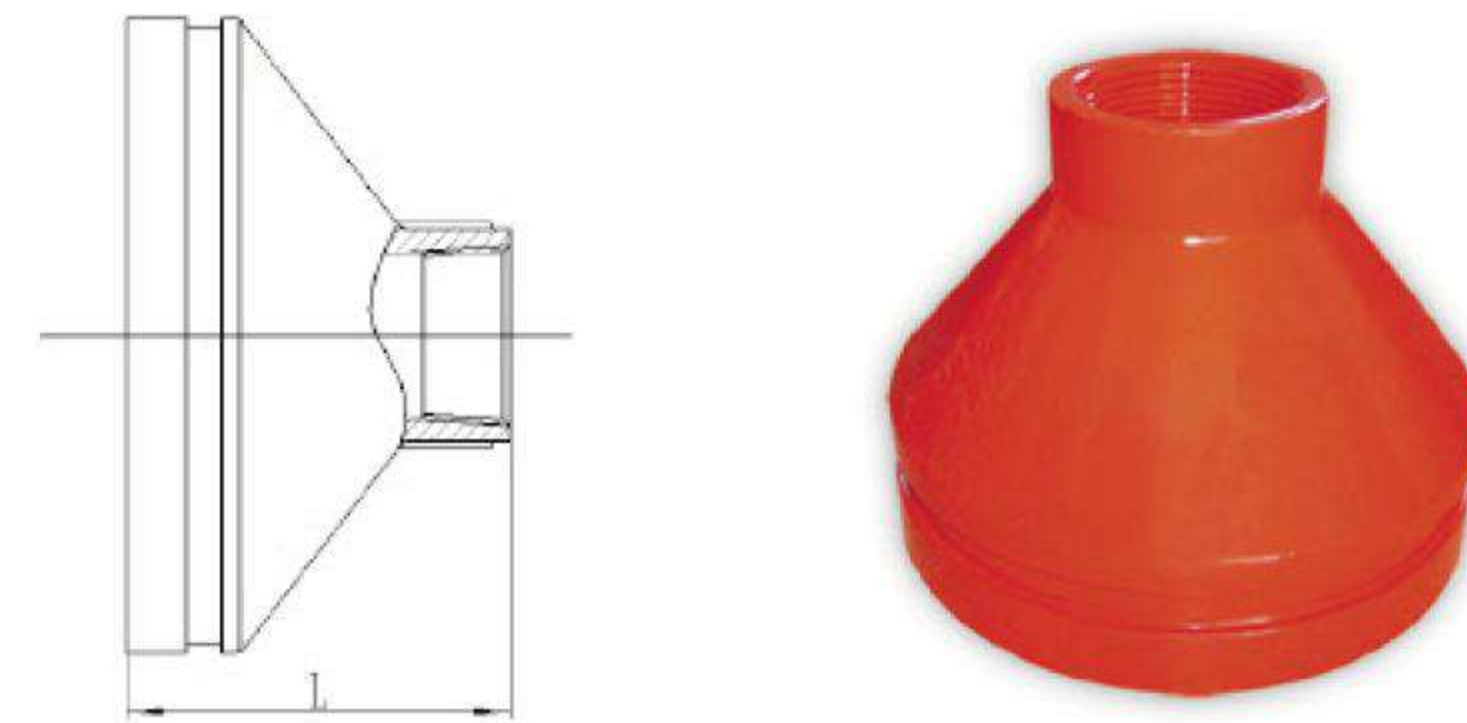
Grooved Concentric Reducer

Nominal Size mm/in	Pipe OD. mm/in	Working Pressure psi/Mpa	Dimen- sions Lmm/in	Nominal Size mm/in	Pipe OD. mm/in	Working Pressure psi/Mpa	Dimen- sions Lmm/in	Nominal Size mm/in	Pipe OD. mm/in	Working Pressure psi/Mpa	Dimen- sions Lmm/in	
												32×25 1 1/4×1
40×25 1 1/2×1	48.3×33.7 1.900×1.315	64 2.51	100×50 4×2	114.3×60.3 4.500×2.375	76 2.99	150×80 6×3	165.1×88.9 6.500×3.500	102 4.01				
40×32 1 1/2×1 1/4	48.3×42.4 1.900×1.660	64 2.51	100×65 4×2 1/2	114.3×76.1 4.500×3.000	76 2.99	150×100 6×4	165.1×114.3 6.500×4.500	102 4.01				
50×25 2×1	60.3×33.7 2.375×1.315	64 2.51	100×80 4×3	114.3×88.9 4.500×3.500	76 2.99	150×125 6×5	165.1×139.7 6.500×5.500	102 4.01				
50×32 2×1 1/4	60.3×42.4 2.375×1.660	64 2.51	125×50 5×2	139.7×60.3 5.500×2.375	89 3.5	150×50 6×2	168.3×60.3 6.625×2.375	102 4.01				
50×40 2×1 1/2	60.3×48.3 2.375×1.900	64 2.51	125×65 5×2 1/2	139.7×76.1 5.500×3.000	89 3.5	150×65 6×2 1/2	168.3×76.1 6.625×3.000	102 4.01				
65×25 2 1/2×1	73.0×33.7 2.875×1.315	64 2.51	125×80 5×3	139.7×88.9 5.500×3.500	89 3.5	150×80 6×3	168.3×88.9 6.625×3.500	102 4.01				
65×32 2 1/2×1 1/4	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	150×100 6×4	168.3×114.3 6.625×4.500	102 4.01				
65×40 2 1/2×1 1/2	73.0×48.3 2.875×1.900	64 2.51	125×50 5×2	141.3×60.3 5.563×2.375	89 3.5	150×125 6×5	168.3×139.7 6.625×5.500	102 4.01				
65×50 2 1/2×2	73.0×60.3 2.875×2.375	64 2.51	125×65 5×2 1/2	141.3×76.1 5.563×3.000	89 3.5	200×50 8×2	219.1×60.3 8.625×2.375	127 5				
65×32 2 1/2×1 1/4	76.1×42.4 3.000×1.660	64 2.51	125×80 5×3	141.3×88.9 5.563×3.500	89 3.5	200×65 8×2 1/2	219.1×76.1 8.625×3.000	127 5				
65×40 2 1/2×1 1/2	76.1×48.3 3.000×1.900	64 2.51	125×100 5×2 1/2	141.3×114.3 5.563×4.500	89 3.5	200×80 8×3	219.1×88.9 8.625×3.500	127 5				
65×50 2 1/2×2	76.1×60.3 3.000×2.375	64 2.51	150×50 6×2	159.0×60.3 6.250×2.375	102 4.01	200×100 8×4	219.1×108.0 8.625×4.250	127 5				
80×32 3×1 1/4	88.9×42.4 3.500×1.660	64 2.51	150×65 6×2 1/2	159.0×76.1 6.250×3.000	102 4.01	200×100 8×4	219.1×114.3 8.625×4.500	127 5				
80×40 3×1 1/2	88.9×48.3 3.500×1.900	64 2.51	150×80 6×3	159.0×88.9 6.250×3.500	102 4.01	200×125 8×5	219.1×139.7 8.625×5.500	127 5				
80×50 3×2	88.9×60.3 3.500×2.375	64 2.51	150×100 6×4	159.0×108.0 6.250×4.250	102 4.01	200×150 8×6	219.1×159.0 8.625×6.250	127 5				
80×65 3×2 1/2	88.9×76.1 3.500×3.000	64 2.51	150×100 6×4	159.0×114.3 6.250×4.500	102 4.01	200×150 8×6	219.1×165.1 8.625×6.500	127 5				
100×65 4×2 1/2	108.0×76.1 4.250×3.000	76 2.99	150×125 6×5	159.0×133.0 6.250×5.250	102 4.01	200×150 8×6	219.1×168.3 8.625×6.625	127 5				
100×80 4×3	108.0×88.9 4.250×3.500	76 2.99	150×125 6×5	159.0×139.7 6.250×5.500	102 4.01							
100×32 4×1 1/4	114.3×42.4 4.500×1.660	76 2.99										

→ Product size

Threaded Concentric Reducer

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



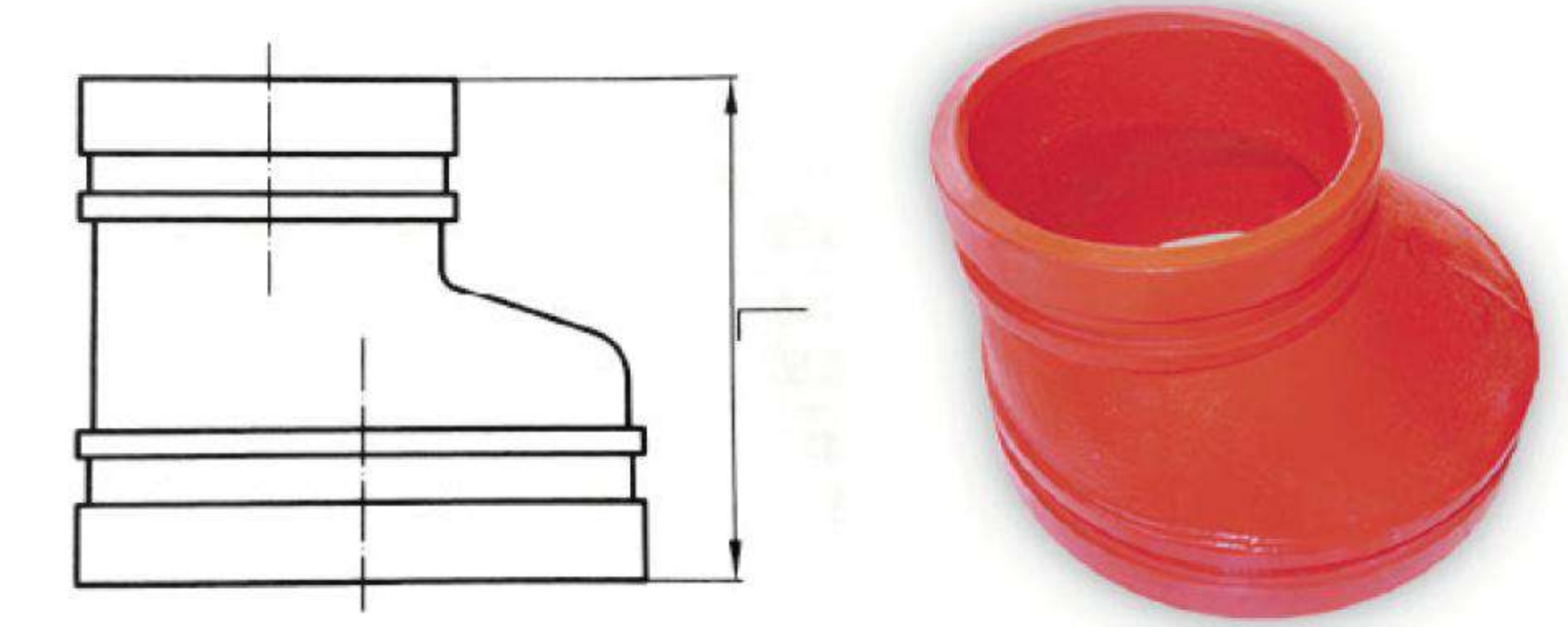
Threaded Concentric Reducer

Nominal Size	Pipe OD	Working Pressure	Dimensions	Nominal Size	Pipe OD	Working Pressure	Dimensions	Nominal Size	Pipe OD	Working Pressure	Dimensions	
mm/in	mm/in	psi/Mpa	Lmm/in	mm/in	mm/in	psi/Mpa	Lmm/in	mm/in	mm/in	psi/Mpa	Lmm/in	
32 × 25	42.4 × 33.7	300Psi 2.07Mpa	64	100 × 25	114.3 × 33.7	300Psi 2.07Mpa	76	150 × 32	159.0 × 42.4	300Psi 2.07Mpa	102	
1 1/2 × 1	1.660 × 1.315		2.51	4 × 1	4.500 × 1.315		2.99	4.01	6 × 1 1/4		6.250 × 1.660	4.01
40 × 32	48.3 × 42.4		64	100 × 32	114.3 × 42.4		76	102	150 × 40		159.0 × 48.3	102
1 1/2 × 1 1/2	1.900 × 1.660		2.51	4 × 1 1/4	4.500 × 1.660		2.99	4.01	6 × 1 1/2		6.250 × 1.900	4.01
50 × 25	60.3 × 33.7		64	100 × 40	114.3 × 48.3		76	102	150 × 50		159.0 × 60.3	102
2 × 1	2.375 × 1.315		2.51	4 × 1 1/2	4.500 × 1.900		2.99	4.01	6 × 2		6.250 × 2.375	4.01
50 × 32	60.3 × 42.4		64	100 × 50	114.3 × 60.3		76	102	150 × 65		159.0 × 76.1	102
2 × 1 1/2	2.375 × 1.660		2.51	4 × 2	4.500 × 2.375		2.99	4.01	6 × 2 1/2		6.250 × 3.000	4.01
50 × 40	60.3 × 48.3		64	100 × 65	114.3 × 76.1		76	102	150 × 80		159.0 × 88.9	102
2 × 1 1/2	2.375 × 1.900		2.51	4 × 2 1/2	4.500 × 3.000		2.99	4.01	6 × 3		6.250 × 3.500	4.01
65 × 25	73.0 × 33.7		64	100 × 80	114.3 × 88.9		76	102	150 × 25		165.1 × 33.7	102
2 1/2 × 1	2.875 × 1.315		2.51	4 × 3	4.500 × 3.500		2.99	4.01	6 × 1		6.500 × 1.315	4.01
65 × 32	73.0 × 42.4		64	125 × 25	133.0 × 33.7		89	102	150 × 32		165.1 × 42.4	102
2 1/2 × 1 1/2	2.875 × 1.660		2.51	5 × 1	5.250 × 1.315		3.5	4.01	6 × 1 1/4		6.500 × 1.660	4.01
65 × 40	73.0 × 48.3		64	125 × 32	133.0 × 42.4		89	102	150 × 40		165.1 × 48.3	102
2 1/2 × 1 1/2	2.875 × 1.900		2.51	5 × 1 1/4	5.250 × 1.660		3.5	4.01	6 × 1 1/2		6.500 × 1.900	4.01
65 × 50	73.0 × 60.3		64	125 × 40	133.0 × 48.3		89	102	150 × 50		165.1 × 60.3	102
2 1/2 × 2	2.875 × 2.375		2.51	5 × 1 1/2	5.250 × 1.900		3.5	4.01	6 × 2		6.500 × 2.375	4.01
65 × 25	76.1 × 33.7		64	125 × 50	133.0 × 60.3		89	102	150 × 65		165.1 × 76.1	102
2 1/2 × 1	3.000 × 1.315		2.51	5 × 2	5.250 × 2.375		3.5	4.01	6 × 2 1/2		6.500 × 3.000	4.01
65 × 32	76.1 × 42.4	64	125 × 25	139.7 × 33.7	89	102	150 × 80	165.1 × 88.9	102			
2 1/2 × 1 1/2	3.000 × 1.660	2.51	5 × 1	5.500 × 1.315	3.5	4.01	6 × 3	6.500 × 3.500	4.01			
65 × 40	76.1 × 48.3	64	125 × 32	139.7 × 42.4	89	102	150 × 100	165.1 × 114.3	102			
2 1/2 × 1 1/2	3.000 × 1.900	2.51	5 × 1 1/4	5.500 × 1.660	3.5	4.01	6 × 4	6.500 × 4.500	4.01			
65 × 50	76.1 × 60.3	64	125 × 40	139.7 × 48.3	89	102	150 × 25	168.3 × 33.7	102			
2 1/2 × 2	3.000 × 2.375	2.51	5 × 1 1/2	5.500 × 1.900	3.5	4.01	6 × 1	6.625 × 1.315	4.01			
80 × 25	88.9 × 33.7	64	125 × 50	139.7 × 60.3	89	102	150 × 32	168.3 × 42.4	102			
3 × 1	3.500 × 1.315	2.51	5 × 2	5.500 × 2.375	3.5	4.01	6 × 1 1/4	6.625 × 1.660	4.01			
80 × 32	88.9 × 42.4	64	125 × 65	139.7 × 76.1	89	102	150 × 40	168.3 × 48.3	102			
3 × 1 1/2	3.500 × 1.660	2.51	5 × 2 1/2	5.500 × 3.000	3.5	4.01	6 × 1 1/2	6.625 × 1.900	4.01			
80 × 40	88.9 × 48.3	64	125 × 80	139.7 × 88.9	89	102	150 × 50	168.3 × 60.3	102			
3 × 1 1/2	3.500 × 1.900	2.51	5 × 3	5.500 × 3.500	3.5	4.01	6 × 2	6.625 × 2.375	4.01			
80 × 50	88.9 × 60.3	64	125 × 100	139.7 × 114.3	89	127	200 × 25	219.1 × 33.7	127			
3 × 2	3.500 × 2.375	2.51	5 × 4	5.500 × 4.500	3.5	5	8 × 1	8.625 × 1.315	5			
80 × 65	88.9 × 76.1	64	125 × 25	141.3 × 33.7	89	127	200 × 32	219.1 × 42.4	127			
3 × 2 1/2	3.500 × 3.000	2.51	5 × 1	5.563 × 1.315	3.5	5	8 × 1 1/4	8.625 × 1.660	127			
100 × 25	108.0 × 33.7	76	125 × 32	141.3 × 42.4	89	127	200 × 40	219.1 × 48.3	127			
4 × 1	4.250 × 1.315	2.99	5 × 1 1/4	5.563 × 1.660	3.5	5	8 × 1 1/2	8.625 × 1.900	127			
100 × 32	108.0 × 42.4	76	125 × 40	141.3 × 48.3	89	127	200 × 50	219.1 × 60.3	127			
4 × 1 1/4	4.250 × 1.660	2.99	5 × 1 1/2	5.563 × 1.900	3.5	5	8 × 2	8.625 × 2.375	127			
100 × 40	108.0 × 48.3	76	125 × 50	141.3 × 60.3	89	127	200 × 50	219.1 × 60.3	127			
4 × 1 1/2	4.250 × 1.900	2.99	5 × 2	5.563 × 2.375	3.5	5	8 × 2	8.625 × 2.375	127			
100 × 50	108.0 × 60.3	76	125 × 65	141.3 × 76.1	89	127	200 × 65	219.1 × 76.1	127			
4 × 2	4.250 × 2.375	2.99	5 × 2 1/2	5.563 × 3.000	3.5	5	8 × 2 1/2	8.625 × 3.000	127			
100 × 65	108.0 × 76.1	76	125 × 80	141.3 × 88.9	89	127	200 × 80	219.1 × 88.9	127			
4 × 2 1/2	4.250 × 3.000	2.99	5 × 3	5.563 × 3.500	3.5	5	8 × 3	8.625 × 3.500	127			
100 × 80	108.0 × 88.9	76	150 × 25	159.0 × 33.7	102	127	200 × 100	219.1 × 114.3	127			
4 × 3	4.250 × 3.500	2.99	6 × 1	6.250 × 1.315	4.01	5	8 × 4	8.625 × 4.500	127			

← Product size

Grooved Eccentric Reducer

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



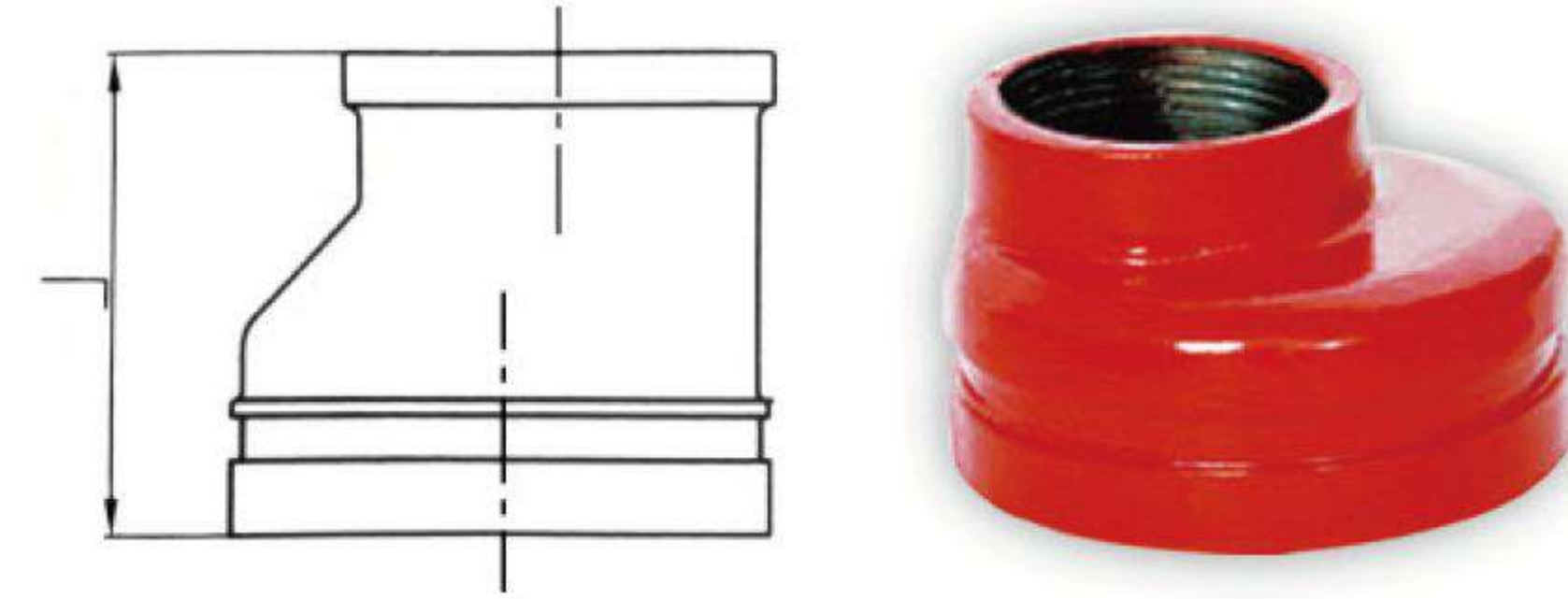
Grooved Eccentric Reducer

Nominal Size	Pipe OD	Working Pressure	Dimensions	Nominal Size	Pipe OD	Working Pressure	Dimensions	Nominal Size	Pipe OD	Working Pressure	Dimensions	
mm/in	mm/in	psi/Mpa	Lmm/in	mm/in	mm/in	psi/Mpa	Lmm/in	mm/in	mm/in	psi/Mpa	Lmm/in	
32 × 25	42.4 × 33.7	300Psi 2.07Mpa	64	100 × 40	114.3 × 48.3	300Psi 2.07Mpa	76	150 × 65	165.1 × 76.1	300Psi 2.07Mpa	102	
1 1/2 × 1	1.660 × 1.315		2.51	4 × 1 1/2	4.500 × 1.900		2.99	4.01	6 × 2 1/2		6.500 × 3.000	4.01
40 × 25	48.3 × 33.7		64	100 × 50	114.3 × 60.3		76	102	150 × 80		165.1 × 88.9	102
1 1/2 × 1	1.900 × 1.315		2.51	4 × 2	4.500 × 2.375		2.99	4.01	6 × 3		6.500 × 3.500	4.01
40 × 32	48.3 × 42.4		64	100 × 65	114.3 × 76.1		76	102	150 × 100		165.1 × 114.3	102
1 1/2 × 1 1/2	1.900 × 1.660		2.51	4 × 2 1/2	4.500 × 3.000		2.99	4.01	6 × 4		6.500 × 4.500	4.01
50 × 25	60.3 × 33.7		64	100 × 80	114.3 × 88.9		76	102	150 × 125		165.1 × 139.7	102
2 × 1	2.375 × 1.315		2.51	4 × 3	4.500 × 3.500		2.99	4.01	6 × 5		6.500 × 5.500	4.01
50 × 32	60.3 × 42.4		64	125 × 50	139.7 × 60.3		89	102	150 × 50		168.3 × 60.3	102
2 × 1 1/2	2.375 × 1.660		2.51	5 × 2	5.500 × 2.375		3.5	4.01	6 × 2		6.625 × 2.375	4.01
50 × 40	60.3 × 48.3		64	125 × 65	139.7 × 76.1		89	102	150 × 65		168.3 × 76.1	102
2 × 1 1/2	2.375 × 1.900		2.51	5 × 2 1/2	5.500 × 3.000		3.5	4.01	6 × 2 1/2		6.625 × 3.000	4.01
65 × 25	73.0 × 33.7		64	125 × 80	139.7 × 88.9		89	102	150 × 80		168.3 × 88.9	102
2 1/2 × 1	2.875 × 1.315		2.51	5 × 3	5.500 × 3.500		3.5	4.01	150 × 100		168.3 × 114.3	102
65 × 32	73.0 × 42.4		64	125 × 100	139.7 × 114.3		89	102	6 × 3		6.625 × 3.500	4.01
2 1/2 × 1 1/2	2.875 × 1.660		2.51	5 × 4	5.500 × 4.500		3.5	4.01	150 × 125		168.3 × 139.7	102
65 × 40	73.0 × 48.3		64	125 × 50	141.3 × 60.3		89	102	6 × 5		6.625 × 5.500	4.01
2 1/2 × 2	2.875 × 2.375		2.51	5 × 2	5.563 × 2.375		3.5	4.01	200 × 50		219.1 × 60.3	127
65 × 50	73.0 × 60.3		64	125 × 65	141.3 × 76.1		89	102	8 × 2		8.625 × 2.375	5
2 1/2 × 2	2.875 × 2.375		2.51	5 × 2 1/2	5.563 × 3.000		3.5	4.01	200 × 65		219.1 × 76.1	127
80 × 25	88.9 × 33.7	64	125 × 80	141.3 × 88.9	89	102	8 × 2 1/2	8.625 × 3.000	127			
3 × 1	3.500 × 1.315	2.51	125 × 100	141.3 × 114.3	89	102	200 × 80	219.1 × 88.9	127			
80 × 32	88.9 × 42.4	64	150 × 50	159.0 × 60.3	102	127	8 × 3	8.625 × 3.500	5			
3 × 1 1/2	3.500 × 1.660	2.51	6 × 2	6.250 × 2.375	4.01	4.01	200 × 100	219.1 × 114.3	127			
80 × 40	88.9 × 48.3	64	150 × 65	159.0 × 76.1	102	127	8 × 4	8.625 × 4.500	5			
3 × 1 1/2	3.500 × 1.900	2.51	150 × 80	159.0 × 88.9	102	127	200 × 125	219.1 × 139.7	127			
80 × 50	88.9 × 60.3	64	150 × 100	159.0 × 114.3	102	127	8 × 5	8.625 × 5.500	5			
3 × 2	3.500 × 2.375	2.51	150 × 125	159.0 × 139.7	102	127	200 × 150	219.1 × 159.0	127			
80 × 65	88.9 × 76.1	64	150 × 150	159.0 × 159.0	102	127	8 × 6	8.625 × 6.250	5			
3 × 2 1/2	3.500 × 3.000	2.51	150 × 200	159.0 × 219.1	102	127	200 × 150	219.1 × 165.1	127			
100 × 25	108.0 × 33.7	76	150 × 250	159.0 × 254.0	102	127	8 × 6	8.625 × 6.500	5			
4 × 1	4.250 × 1.315	2.99	150 × 300	159.0 × 304.8	102	127	200 × 150	219.1 × 168.3	127			
100 × 32	108.0 × 42.4	76	150 × 350	159.0 × 354.3	102	127	8 × 6	8.625 × 6.625	5			
4 × 1 1/4	4.250 × 1.660	2.99	150 × 400	159.0 × 404.8	102	127						
100 × 40	108.0 × 48.3	76	150 × 450	159.0 × 455.3	102	127						
4 × 1 1/2	4.250 × 1.900	2.99	150 × 500	159.0 × 505.8	102	127						
100 × 50	108.0 × 60.3	76	150 × 550	159.0 × 556.3	102	127						
4 × 2	4.250 × 2.375	2.99	150 × 600	159.0 × 606.8	102	127						
100 × 65	108.0 × 76.1	76	150 × 650	159.0 × 657.3	102	127						
4 × 2 1/2	4.250 × 3.000	2.99	150 × 700	159.0 × 707.8	102	127						
100 × 80	108.0 × 88.9	76	150 × 750	159.0 × 758.3	102	127						
4 × 3	4.250 × 3.500	2.99	150 × 800	159.0 × 808.8	102	127						
100 × 32	114.3 × 42.4	76	150 × 850	159.0 × 859.3	102	127						
4 × 1 1/2	4.500 × 1.660	2.99	150 × 900	159.0 × 909.8	102	127						

→ Product size

Threaded Eccentric Reducer

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



Threaded Eccentric Reducer

Nominal Size	Pipe OD	Working Pressure	Dimensions	Nominal Size	Pipe OD	Working Pressure	Dimensions	Nominal Size	Pipe OD	Working Pressure	Dimensions
mm/in	mm/in	psi/Mpa	Lmm/in	mm/in	mm/in	psi/Mpa	Lmm/in	mm/in	mm/in	psi/Mpa	Lmm/in
32 x 25	42.4 x 33.7	300Psi 2.07Mpa	64	100 x 25	114.3 x 33.7	300Psi 2.07Mpa	76	150 x 32	159.0 x 42.4	300Psi 2.07Mpa	102
1 1/2 x 1	1.660 x 1.315		2.51	4 x 1	4.500 x 1.315		2.99	4.01	6 x 1 1/2		6.250 x 1.660
40 x 32	48.3 x 42.4	300Psi 2.07Mpa	64	100 x 32	114.3 x 42.4	300Psi 2.07Mpa	76	150 x 40	159.0 x 48.3	300Psi 2.07Mpa	102
1 1/2 x 1 1/2	1.900 x 1.660		2.51	4 x 1 1/4	4.500 x 1.660		2.99	4.01	6 x 1 1/2		6.250 x 1.900
50 x 25	60.3 x 33.7	300Psi 2.07Mpa	64	100 x 40	114.3 x 48.3	300Psi 2.07Mpa	76	150 x 50	159.0 x 60.3	300Psi 2.07Mpa	102
2 x 1	2.375 x 1.315		2.51	4 x 1 1/2	4.500 x 1.900		2.99	4.01	6 x 2		6.250 x 2.375
50 x 32	60.3 x 42.4	300Psi 2.07Mpa	64	100 x 50	114.3 x 60.3	300Psi 2.07Mpa	76	150 x 65	159.0 x 76.1	300Psi 2.07Mpa	102
2 x 1 1/2	2.375 x 1.660		2.51	4 x 2	4.500 x 2.375		2.99	4.01	6 x 2 1/2		6.250 x 3.000
50 x 40	60.3 x 48.3	300Psi 2.07Mpa	64	100 x 65	114.3 x 76.1	300Psi 2.07Mpa	76	150 x 80	159.0 x 88.9	300Psi 2.07Mpa	102
2 x 1 1/2	2.375 x 1.900		2.51	4 x 2 1/2	4.500 x 3.000		2.99	4.01	6 x 3		6.250 x 3.500
65 x 25	73.0 x 33.7	300Psi 2.07Mpa	64	100 x 80	114.3 x 88.9	300Psi 2.07Mpa	76	150 x 25	165.1 x 33.7	300Psi 2.07Mpa	102
2 1/2 x 1	2.875 x 1.315		2.51	4 x 3	4.500 x 3.500		2.99	4.01	6 x 1		6.500 x 1.315
65 x 32	73.0 x 42.4	300Psi 2.07Mpa	64	125 x 25	133.0 x 33.7	300Psi 2.07Mpa	89	150 x 32	165.1 x 42.4	300Psi 2.07Mpa	102
2 1/2 x 1 1/2	2.875 x 1.660		2.51	5 x 1	5.250 x 1.315		3.5	4.01	6 x 1 1/2		6.500 x 1.660
65 x 40	73.0 x 48.3	300Psi 2.07Mpa	64	125 x 32	133.0 x 42.4	300Psi 2.07Mpa	89	150 x 40	165.1 x 48.3	300Psi 2.07Mpa	102
2 1/2 x 1 1/2	2.875 x 1.900		2.51	5 x 1 1/4	5.250 x 1.660		3.5	4.01	6 x 1 1/2		6.500 x 1.900
65 x 50	73.0 x 60.3	300Psi 2.07Mpa	64	125 x 40	133.0 x 48.3	300Psi 2.07Mpa	89	150 x 50	165.1 x 60.3	300Psi 2.07Mpa	102
2 1/2 x 2	2.875 x 2.375		2.51	5 x 1 1/2	5.250 x 1.900		3.5	4.01	6 x 2		6.500 x 2.375
65 x 25	76.1 x 33.7	300Psi 2.07Mpa	64	125 x 50	133.0 x 60.3	300Psi 2.07Mpa	89	150 x 65	165.1 x 76.1	300Psi 2.07Mpa	102
2 1/2 x 1	3.000 x 1.315		2.51	5 x 2	5.250 x 2.375		3.5	4.01	6 x 2 1/2		6.500 x 3.000
65 x 32	76.1 x 42.4	300Psi 2.07Mpa	64	125 x 25	139.7 x 33.7	300Psi 2.07Mpa	89	150 x 80	165.1 x 88.9	300Psi 2.07Mpa	102
2 1/2 x 1 1/2	3.000 x 1.660		2.51	5 x 1	5.500 x 1.315		3.5	4.01	6 x 3		6.500 x 3.500
65 x 40	76.1 x 48.3	300Psi 2.07Mpa	64	125 x 32	139.7 x 42.4	300Psi 2.07Mpa	89	150 x 100	165.1 x 114.3	300Psi 2.07Mpa	102
2 1/2 x 1 1/2	3.000 x 1.900		2.51	5 x 1 1/4	5.500 x 1.660		3.5	4.01	6 x 4		6.500 x 4.500
65 x 50	76.1 x 60.3	300Psi 2.07Mpa	64	125 x 40	139.7 x 48.3	300Psi 2.07Mpa	89	150 x 25	168.3 x 33.7	300Psi 2.07Mpa	102
2 1/2 x 2	3.000 x 2.375		2.51	5 x 1 1/2	5.500 x 1.900		3.5	4.01	6 x 1		6.625 x 1.315
80 x 25	88.9 x 33.7	300Psi 2.07Mpa	64	125 x 50	139.7 x 60.3	300Psi 2.07Mpa	89	150 x 32	168.3 x 42.4	300Psi 2.07Mpa	102
3 x 1	3.500 x 1.315		2.51	5 x 2	5.500 x 2.375		3.5	4.01	6 x 1 1/4		6.625 x 1.660
80 x 32	88.9 x 42.4	300Psi 2.07Mpa	64	125 x 65	139.7 x 76.1	300Psi 2.07Mpa	89	150 x 40	168.3 x 48.3	300Psi 2.07Mpa	102
3 x 1 1/2	3.500 x 1.660		2.51	5 x 2 1/2	5.500 x 3.000		3.5	4.01	6 x 1 1/2		6.625 x 1.900
80 x 40	88.9 x 48.3	300Psi 2.07Mpa	64	125 x 80	139.7 x 88.9	300Psi 2.07Mpa	89	150 x 50	168.3 x 60.3	300Psi 2.07Mpa	102
3 x 1 1/2	3.500 x 1.900		2.51	5 x 3	5.500 x 3.500		3.5	4.01	6 x 2		6.625 x 2.375
80 x 50	88.9 x 60.3	300Psi 2.07Mpa	64	125 x 100	139.7 x 114.3	300Psi 2.07Mpa	89	200 x 25	219.1 x 33.7	300Psi 2.07Mpa	127
3 x 2	3.500 x 2.375		2.51	5 x 4	5.500 x 4.500		3.5	5	8 x 1		8.625 x 1.315
80 x 65	88.9 x 76.1	300Psi 2.07Mpa	64	125 x 25	141.3 x 33.7	300Psi 2.07Mpa	89	200 x 32	219.1 x 42.4	300Psi 2.07Mpa	127
3 x 2 1/2	3.500 x 3.000		2.51	5 x 1	5.563 x 1.315		3.5	5	8 x 1 1/4		8.625 x 1.660
100 x 25	108.0 x 33.7	300Psi 2.07Mpa	76	125 x 32	141.3 x 42.4	300Psi 2.07Mpa	89	200 x 40	219.1 x 48.3	300Psi 2.07Mpa	127
4 x 1	4.250 x 1.315		2.99	5 x 1 1/4	5.563 x 1.660		3.5	5	8 x 1 1/2		8.625 x 1.900
100 x 32	108.0 x 42.4	300Psi 2.07Mpa	76	125 x 40	141.3 x 48.3	300Psi 2.07Mpa	89	200 x 50	219.1 x 60.3	300Psi 2.07Mpa	127
4 x 1 1/4	4.250 x 1.660		2.99	5 x 1 1/2	5.563 x 1.900		3.5	5	8 x 2		8.625 x 2.375
100 x 40	108.0 x 48.3	300Psi 2.07Mpa	76	125 x 50	141.3 x 60.3	300Psi 2.07Mpa	89	200 x 50	219.1 x 60.3	300Psi 2.07Mpa	127
4 x 1 1/2	4.250 x 1.900		2.99	5 x 2	5.563 x 2.375		3.5	5	8 x 2		8.625 x 2.375
100 x 50	108.0 x 60.3	300Psi 2.07Mpa	76	125 x 65	141.3 x 76.1	300Psi 2.07Mpa	89	200 x 65	219.1 x 76.1	300Psi 2.07Mpa	127
4 x 2	4.250 x 2.375		2.99	5 x 2 1/2	5.563 x 3.000		3.5	5	8 x 2 1/2		8.625 x 3.000
100 x 65	108.0 x 76.1	300Psi 2.07Mpa	76	125 x 80	141.3 x 88.9	300Psi 2.07Mpa	89	200 x 80	219.1 x 88.9	300Psi 2.07Mpa	127
4 x 2 1/2	4.250 x 3.000		2.99	5 x 3	5.563 x 3.500		3.5	5	8 x 3		8.625 x 3.500
100 x 80	108.0 x 88.9	300Psi 2.07Mpa	76	150 x 25	159.0 x 33.7	300Psi 2.07Mpa	102	200 x 100	219.1 x 114.3	300Psi 2.07Mpa	127
4 x 3	4.250 x 3.500		2.99	6 x 1	6.250 x 1.315		4.01	5	8 x 4		8.625 x 4.500

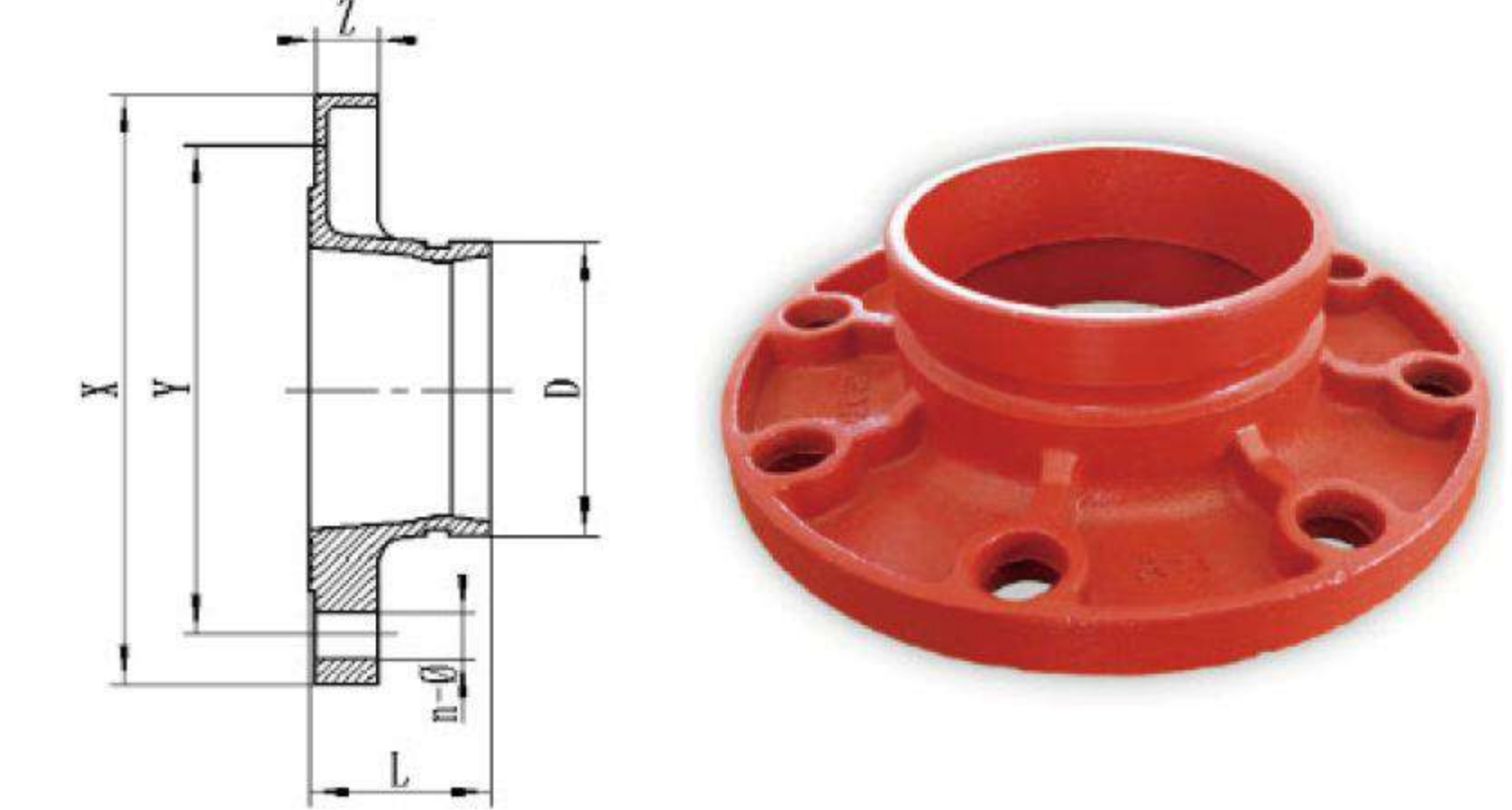
Product size ←

PN16 Adaptor Flange

All usual measurements of bolts and nuts of flanges in this handbook are the fitting measurement of international flange rated pressure 1.6Mpa. According to installation, you can choose other rated flange, i.e. 1.0Mpa, 2.5Mpa or others, please make a note when ordering.

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

The weight refers to casting weight, not include the weight of bolt and nut or gasket ring.



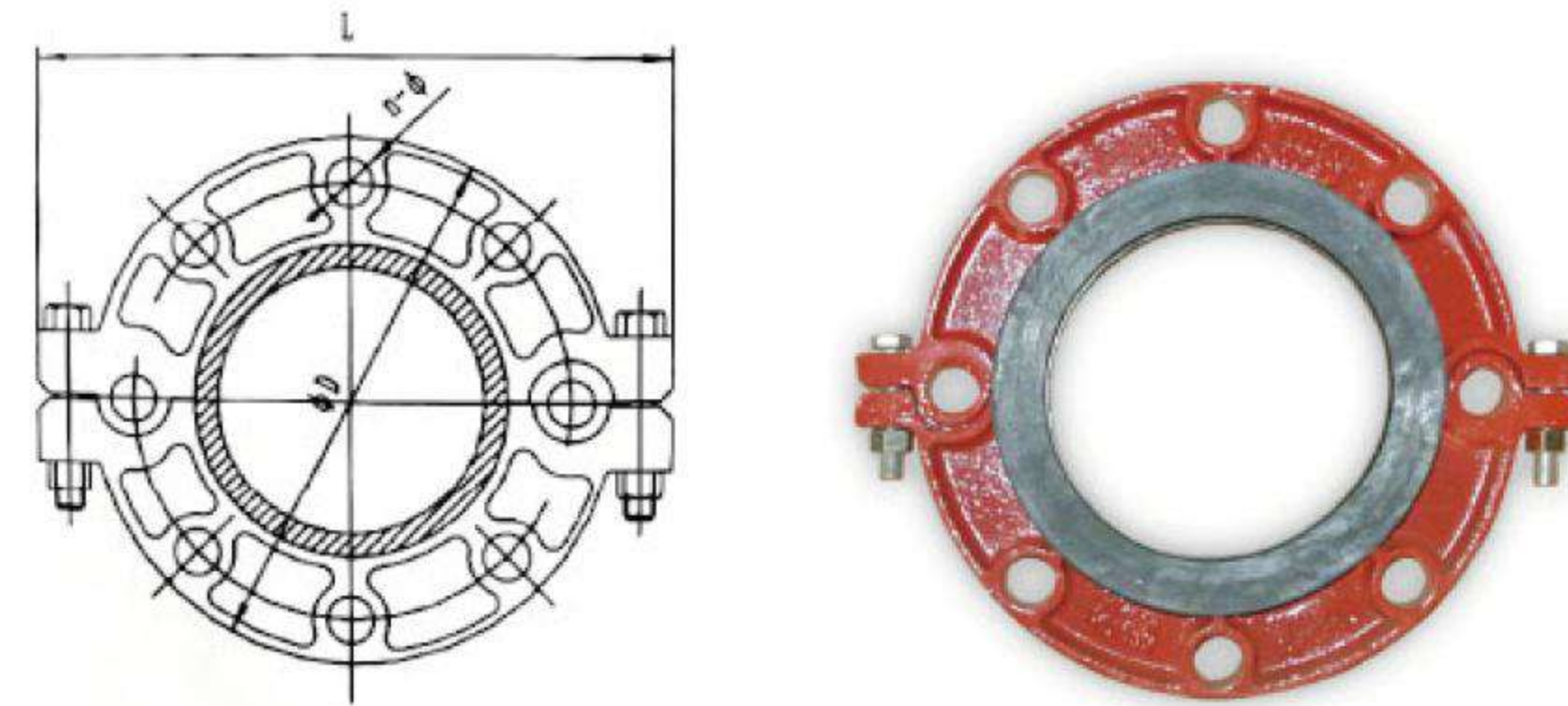
Adaptor Flange

Nominal Size	Pipe OD.	Working Pressure	Dimensions mm/in				Bolt Size
			L mm/in	X mm/in	Y mm/in	Z mm/in	
50	60.3	300Psi 2.07Mpa	50	165	125	13	4-φ16
2	2.375		1.97	6.02	4.92	0.51	
65	73	300Psi 2.07Mpa	50	185	145	13	4-φ16
2 1/2	2.875		1.97	6.89	5.71	0.51	
65	76.1	300Psi 2.07Mpa	50	185	145	13	4-φ16
2 1/2	3		1.97	6.89	5.71	0.51	
80	88.9	300Psi 2.07Mpa	60	200	160	13	8-φ16
3	3.5		2.36	7.48	6.3	0.51	
100	108	300Psi 2.07Mpa	70	220	180	18	8-φ16
4	4.25		2.76	8.27	7.09	0.71	
100	114.3	300Psi 2.07Mpa	70	220	180	18	8-φ16
4	4.5		2.76	8.58	7.09	0.71	
125	133	300Psi 2.07Mpa	70	250	210	18	8-φ16
5	5.25		2.76	8.58	7.09	0.71	
125	139.7	300Psi 2.07Mpa	70	250	210	18	8-φ16
5	5.5		2.76	8.58	7.09	0.71	
125	141.3	300Psi 2.07Mpa	70	250	210	18	8-φ16
5	5.563		2.76	8.58	7.09	0.71	
150	159	300Psi 2.07Mpa	70	285	240	18	8-φ20
6	6.25		2.76	11.1	9.44	0.71	
150	165.1	300Psi 2.07Mpa	70	285	240	18	8-φ20
6	6.5		2.76	11.1	9.44	0.71	
150	168.3	300Psi 2.07Mpa	70	285	240	18	8-φ20
6	6.625		2.76	11.1	9.44	0.71	
200	219.1	300Psi 2.07Mpa	80	340	295	19	12-φ20
8	8.625		3.15	13.11	11.61	0.75	
250	273	300Psi 2.07Mpa	90	405	355	20	12-φ20
10	10.75		3.54	15.63	13.98	0.79	
300	323.9	300Psi 2.07Mpa	100	460	410	23	12-φ20
12	12.75		3.94	18.11	16.14	0.91	

→ Product size ←

PN16 Split Flange

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

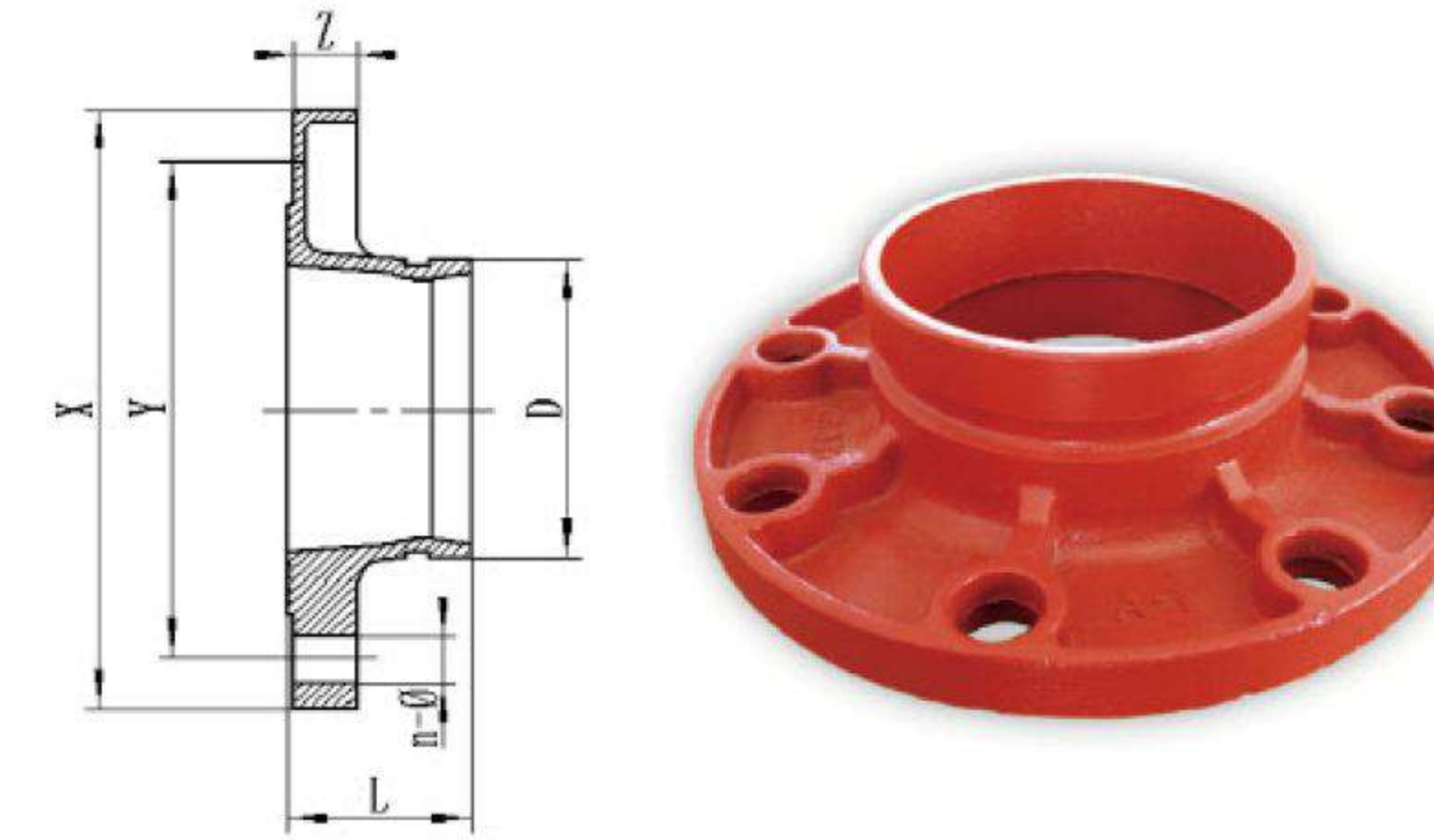


Split Flange

Nominal Size	Pipe O.D	Working Pressure		Dimensions					Bolt / Nut
				A	B	C	D	E	
mm/in	mm/in	PSI	MPa	mm/in	mm/in	mm/in	mm/in	mm/in	No.-Size mm
40 1 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	4-φ16
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	4-φ16
65 2 1/2	76.1 3	300 2.07	1.6	235 9.25	18.5 0.73	185 7.28	145 5.71	72.7 2.86	4-φ16
80 3	88.9 3.5	300 2.07	1.6	255 10.04	18.5 0.73	195 7.68	160 6.30	85.5 3.37	8-φ16
100 108.0	108 4.25	300 2.07	1.6	279 10.98	18.5 0.73	220 8.66	180 7.09	104.5 4.11	8-φ16
100 4	114.3 4.5	300 2.07	1.6	279 10.98	18.5 0.73	224 8.82	180 7.09	110.5 4.35	8-φ16
125 5	133 5.25	300 2.07	1.6	312 12.28	21.5 0.85	250 9.84	210 8.27	129.2 5.08	8-φ16
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	8-φ16
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	8-φ20
150 6	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	8-φ20
150 6	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	8-φ20
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	12-φ20
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	12-φ24
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 dealt with epoxy powder, hot-dipped zinc, paint, dacromet or your requirement.

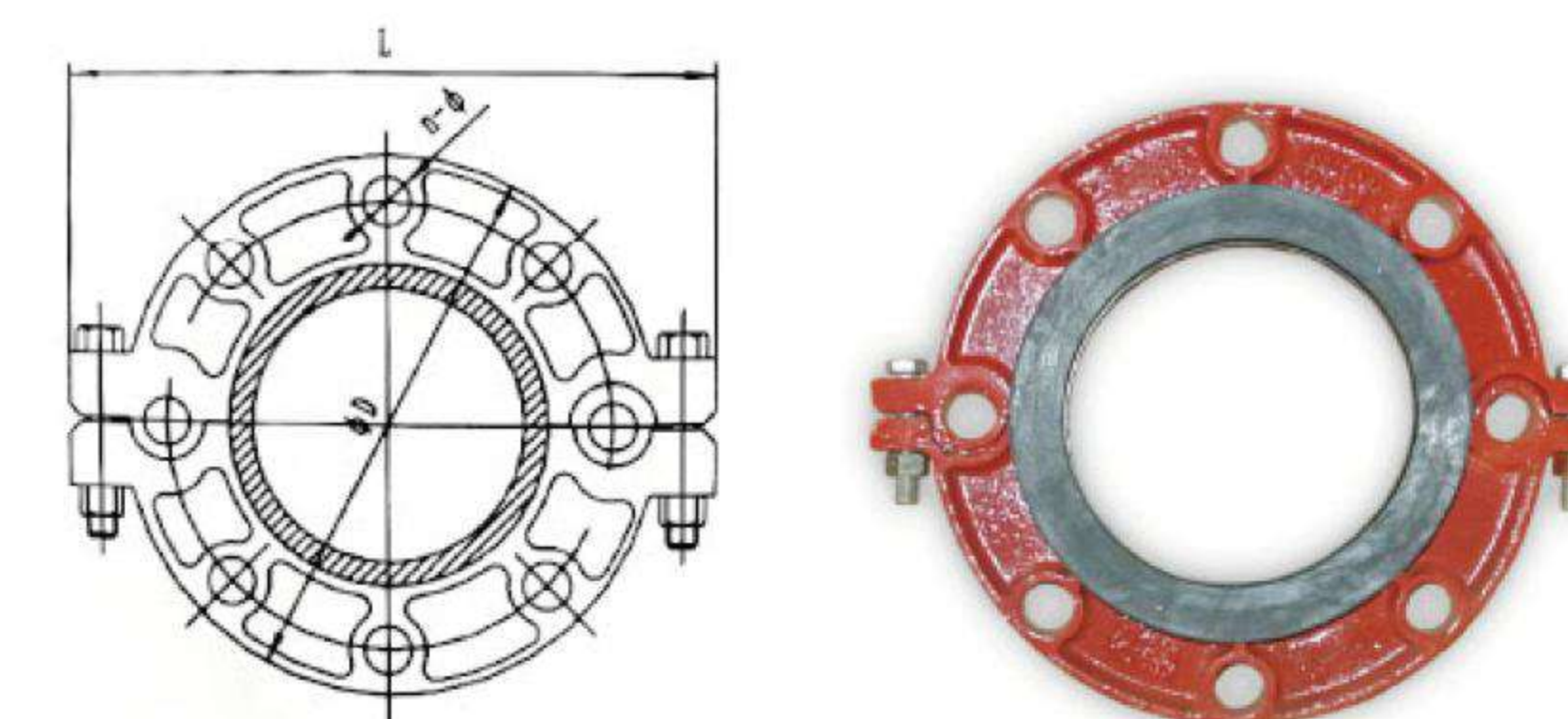


Adaptor Flange

Nominal Size	Pipe O.D	Working Pressure		Dimensions				Bolt/Nut
				L	X	Y	Z	
mm/in	mm/in	PSI	Mpa	mm/in	mm/in	mm/in	mm/in	No.-SIZE mm
50 2	60.3 2.375	300 2.07	2.0	65 2.559	152 6.0	120.5 4.74	16 0.63	4-φ16
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	4-φ16
80 3	88.9 3.500	300 2.07	2.0	65 2.559	200 7.87	152.4 6.00	16 0.63	4-φ16
100 4	114.3 4.500	300 2.07	2.0	70 2.756	229 9.01	190.5 7.50	16 0.63	8-φ16
150 6	168.3 6.625	300 2.07	2.0	70 2.756	282 11.10	241.3 9.50	18 0.71	8-φ20
200 8	219.1 8.625	300 2.07	2.0	75 2.95	340 13.39	298.5 11.75	19 0.75	8-φ20
250 10	273.0 10.75	300 2.07	2.0	85 3.35	406 15.98	362 14.25	21 0.826	12-φ24

Class 150 Split Flange

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



Split Flange

Nominal Size	Pipe O.D	Working Pressure		Dimensions					Bolt / Nut
				A	B	C	D	E	
mm/in	mm/in	PSI	MPa	mm/in	mm/in	mm/in	mm/in	mm/in	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	57.5 2.26	4-φ16
65 2 1/2	73.0 2.875	300 2.07	2.0	230 9.05	19 0.75	178 7	140 5.51	69.8 2.74	4-φ16
80 3	88.9 3.5	300 2.07	2.0	246 9.68	19 0.75	191 7.52	152 5.98	85.5 3.37	4-φ16
100 4	114.3 4.5	300 2.07	2.0	280 11.02	19 0.75	229 9	191 7.52	110.5 4.35	8-φ16
125 5	141.3 4.5	300 2.07	2.0	320 12.60	22 0.87	254 10	216 8.5	137.4 5.41	8-φ20
150 6	168.3 6.625	300 2.07	2.0	346 13.62	24 0.94	280 11	241.3 9.5	164.3 6.47	8-φ20
200 8	219.1 8.625	300 2.07	2.0	414.3 16.31	30 1.18	340 13.44	298.5 11.75	214.9 8.46	8-φ20
250 10	273 10.75	300 2.07	2.0	481.2 18.94	30.3 1.19	405.6 15.97	361.95 14.25	268.9 10.59	12-φ24
300 12	323.9 12.75	300 2.07	2.0	553.3 21.78	30.4 1.2	482.6 19	431.8 17	318.9 12.56	12-φ24

→ **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.
Nir rile 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 requirments.

Bolt and Nut

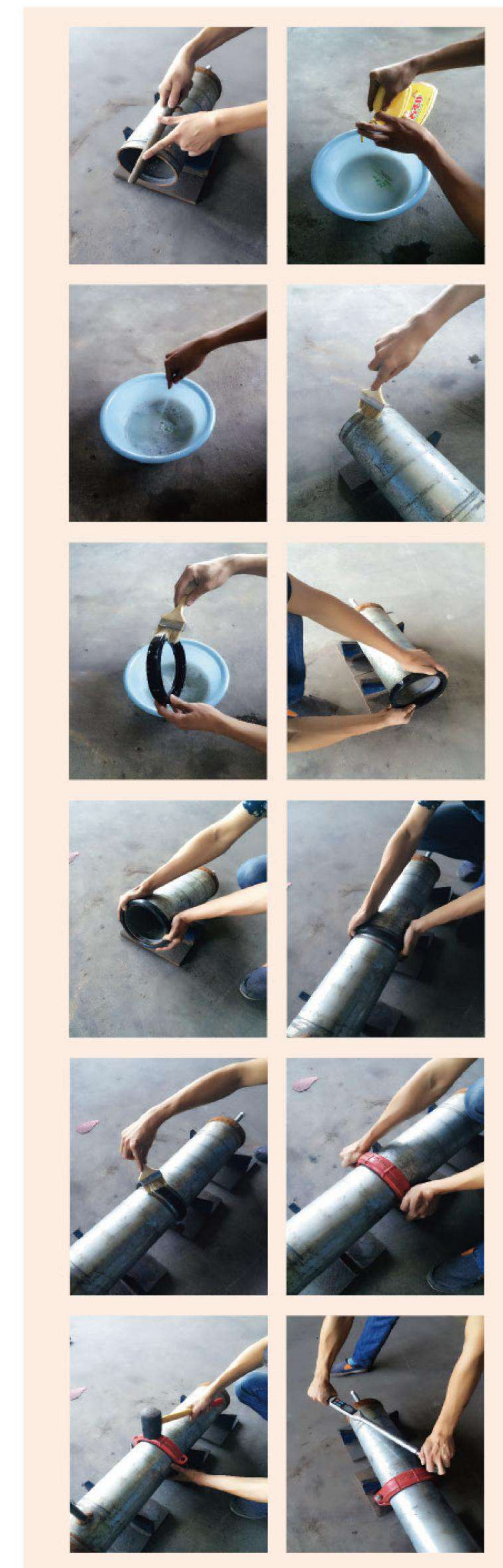
Bolt and Nut is designed for nozzle. The neck of bolt is oval. It can provent slipping when screwing. The nut is the filling piece type. Installs only needs a spanner.

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 in GB/T3098.1-2000 9.8 level of above request.The nut machine capability conforms to GB/T3098.2-2000 stipulation 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 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

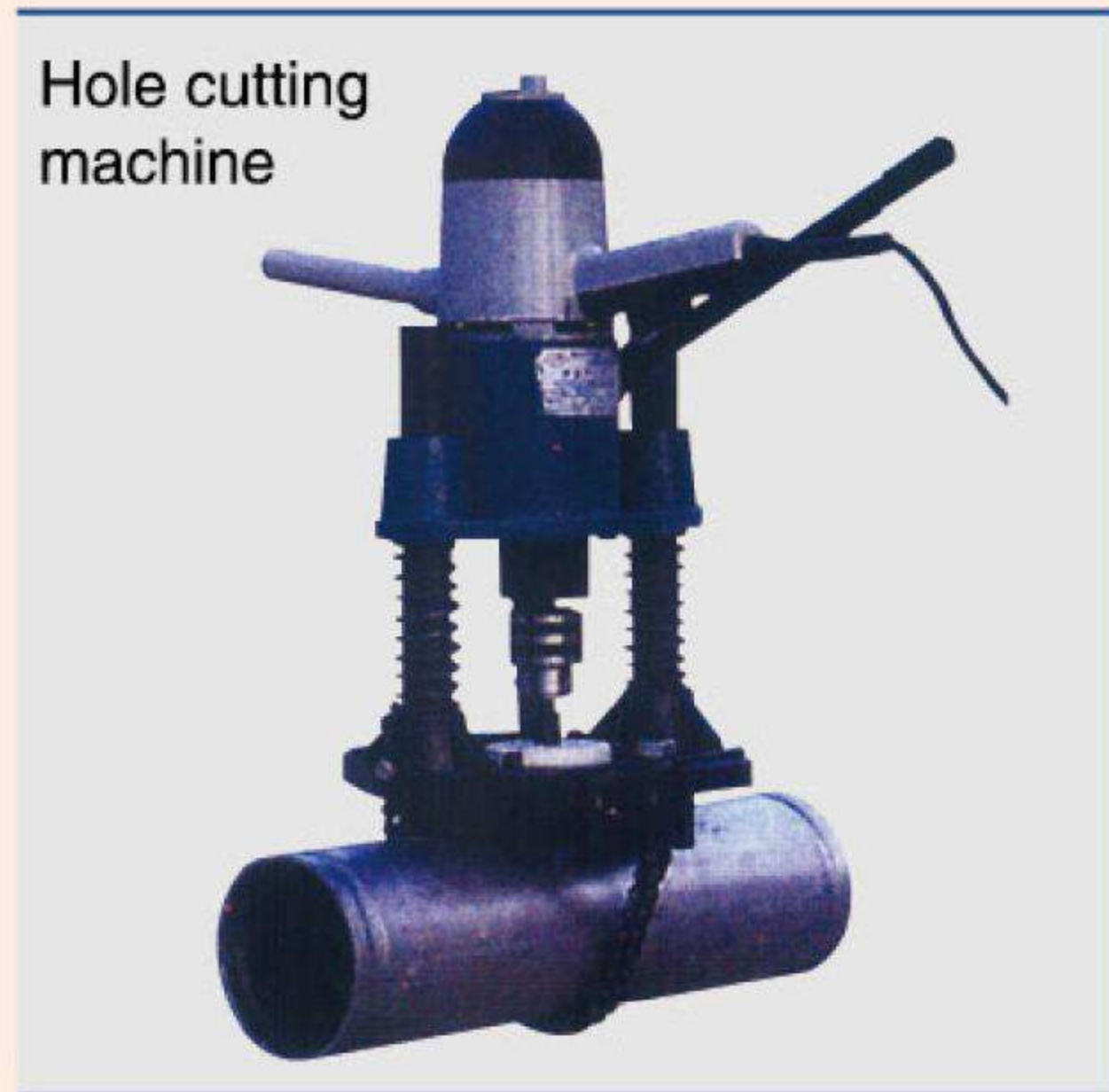
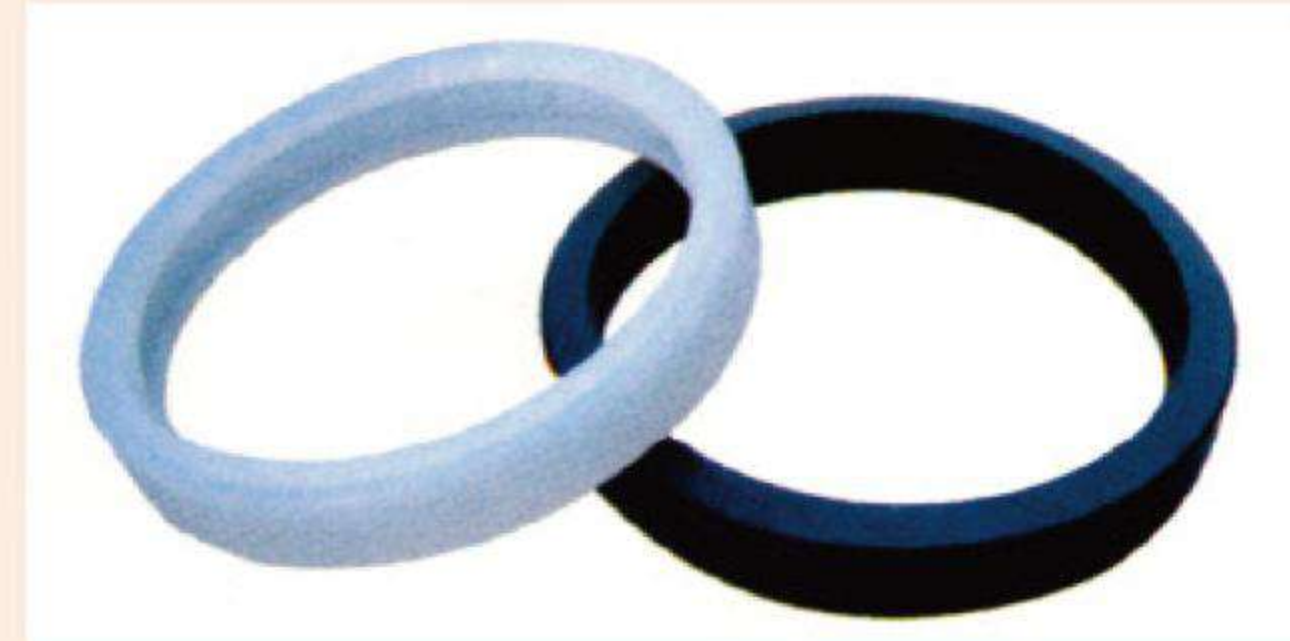
Align the strap around the pipe, insert the bolts and tighten the nuts finger tight.

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 grooved flange

1、Pipe preparation

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

2、Lubricate gasket

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

3、Gasket installation

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

4、Housing installation

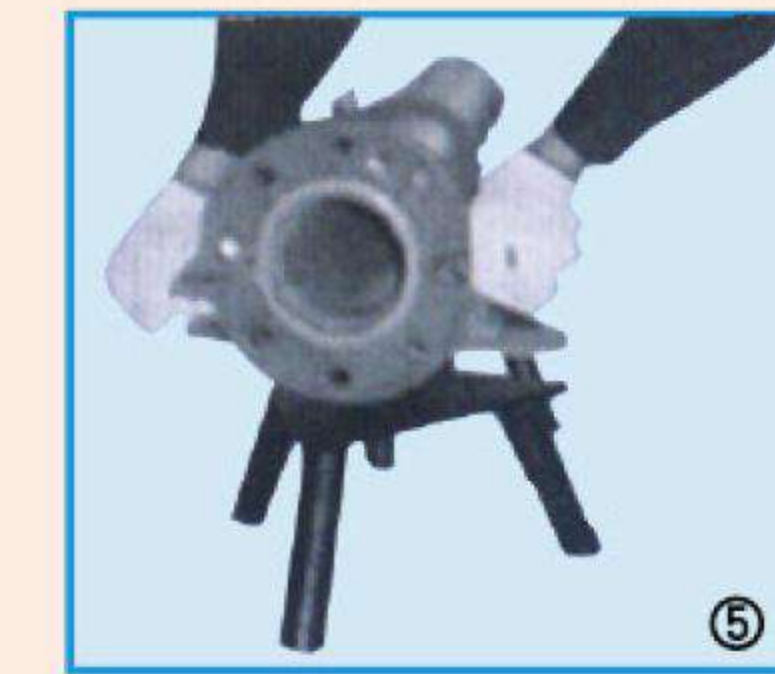
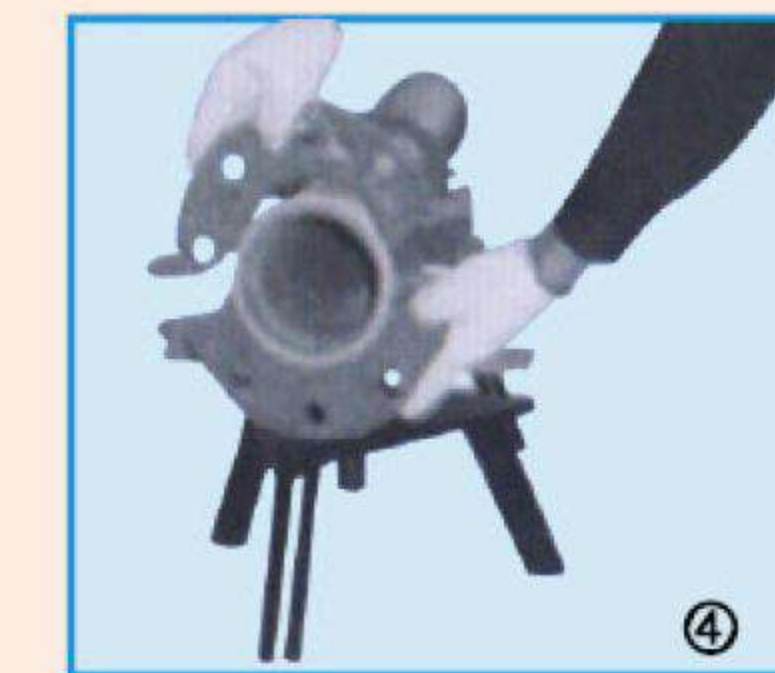
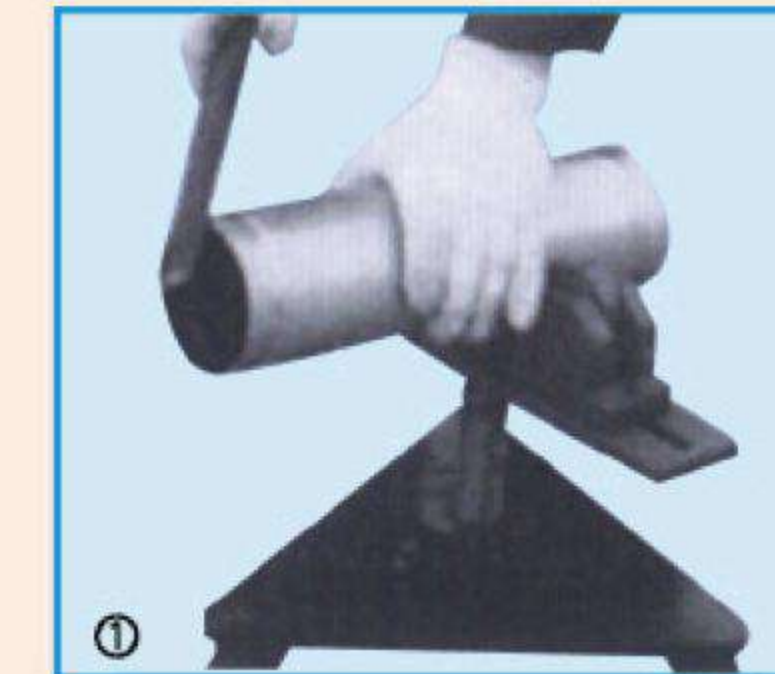
Remove bolts and nuts, place two housings over the gasket, making sure the housing keys fit into the pipe grooves. Re-insert the bolts and hand tighten the nuts.

5、Tighten nuts

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

6、Connect mating flange

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



→ Engineering Test

NO.	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 subjective 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 in 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 -40F° (-40°C)air exposure for 4 days. After exposure, the assembly while submerged in -40F° (-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 joint 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 the4 joint is then filled completely with water until steam formation is no longer visible, but at least foe 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 from 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 poessure, 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 or 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 sprinkler 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 the 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 the 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 the 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 ,test assemblies utilizing flexible coupling and short lengths of steel pipe, in the same nominal size, will 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 this test.
14	Lateral Displacement	The coupling shall not leak during any of the test ,within the manufacturer' s stated limitations for 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 for 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 a /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 the 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 .