

DI GROOVED FITTINGS-PN16 GROOVED FLANGE

Type: 321

Doc No: DS-400-321-01-E

1.0 PRODUCT OVERVIEW

The grooved flange is used for the conversion of the grooved pipe connection to the flange connection. It is a special connection fitting used when the groove connection is connected to the PN16 flange.



Dimensions:

1 1/2"(DN40)– 12"(DN300)

Design Standard:

ISO6182, BS EN1092, BS 4504, GB 5135.11

Connection Standard:

ASME B36.10, ASTM A53-A53M, ISO 4200

Working Pressure:

PN16

Application:

Grooved flange is suitable for medium and low pressure pipeline systems with nominal pressure PN16, nominal size DN40-DN300, temperature range of - 20 °C +180°C, which are widely applied in water supply and drainage, fire-fighting, air conditioning, etc.

Pipe Material:

Welded and seamless rolled steel pipes according to ASME B36.10, ASTM A53-A53M, ISO 4200, GB/T 21835

Surface Treatment:

Sign Off:

Owner: _____ Contractor: _____

Engineer: _____

Location: _____ Date: _____

Approved & Date: _____

- Electrophoretic painting
- Epoxy power painting
- Hot-dip galvanizing
- Black
- Others would be available upon clients' detailed request

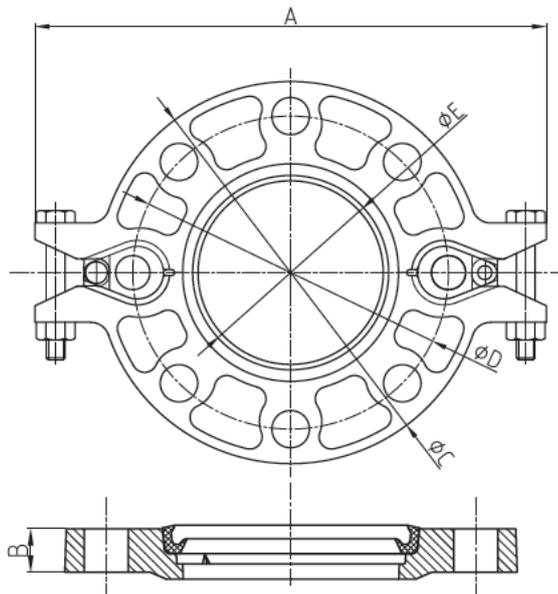
2.0 APPROVALS



3.0 SPECIFICATIONS

ASTM A536, Ductile iron according to 65-45-12. The nodularity is more than 90%, ensuring excellent physical and mechanical properties.

4.0 DIMENSIONS AND PERFORMANCE



Sign Off:

Owner: _____ Contractor: _____
Location: _____ Date: _____

Engineer: _____
Approved & Date: _____



玫德集团有限公司
JINAN MEIDE CASTING CO., LTD

Nominal Size	Pipe O.D	Working Pressure	Dimensions					Bolt/Nut	
			A	B	C	D	E	No.-SIZE	
DN/in	mm/in	PSI/MPa	mm/in	mm/in	mm/in	mm/in	mm/in	mm	
40 1½	48.3 1.9	225 1.6	195 7.68	18.5 0.73	150 5.9	110 4.33	45.4 1.78	2-M10X50	4-M16
50 2	60.3 2.375	225 1.6	220 8.66	18.5 0.73	165 6.5	125 4.92	57.5 2.26	2-M10X50	4-M16
65 76.1	76.1 3	225 1.6	235 9.25	18.5 0.73	185 7.28	145 5.71	72.7 2.86	2-M10X50	4-M16
80 3	88.9 3.5	225 1.6	255 10.04	18.5 0.73	195 7.68	160 6.3	85.5 3.37	2-M10X50	8-M16
100 108	108 4.25	225 1.6	279 10.98	18.5 0.73	220 8.66	180 7.09	104.5 4.11	2-M10X50	8-M16
100 4	114.3 4.5	225 1.6	279 10.98	18.5 0.73	224 8.82	180 7.09	110.5 4.35	2-M10X50	8-M16
125 5	133 5.25	225 1.6	312 12.28	21.5 0.85	250 9.84	210 8.27	129.2 5.08	2-M12X65	8-M16
125 5	139.7 5.5	225 1.6	320 12.6	23 0.91	250 9.84	210 8.27	135.5 5.33	2-M12X65	8-M16
150 6	159 6.25	225 1.6	346 13.62	21.5 0.85	280 11	240 9.45	154.8 6.1	2-M12X65	8-M20
150 6	165.1 6.5	225 1.6	346 13.62	21.5 0.85	280 11	240 9.45	160.8 6.33	2-M12X65	8-M20
150 6	168.3 6.625	225 1.6	346 13.62	24 0.94	280 11	240 9.45	164.3 6.47	2-M12X65	8-M20
200 8	219.1 8.625	225 1.6	414.3 16.31	30 1.18	340 13.39	295 11.61	214.9 8.46	2-3/8X70 2-M10X70	12-M20
250 10	273 10.75	225 1.6	480 18.9	25.5 1	405 15.94	355 13.98	268.9 10.59	2-3/8X70 2-M10X70	12-M24
300 12	323.9 12.75	225 1.6	530.5 20.88	25.5 1	460 18.11	410 16.14	318.9 12.56	2-3/8X70 2-M10X70	12-M24

5.0 REFERENCE MATERIALS

Approved certification for Grooved Fittings and Couplings

I-JM-Grooved fitting: Installation Instructions for grooved fittings and couplings

Sign Off:

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Engineer: _____

Location: _____ Date: _____

Approved & Date: _____