

DI GROOVED FITTINGS-REDUCING TEE

Type: 130R

Doc No: DS-400-130R-01-E

1.0 PRODUCT OVERVIEW

The reducing tee product is used for grooved pipe connection, mainly in the grooved pipe end where the main pipe needs branch pipe. The diameter of the main pipe and branch pipe is different.



Dimensions:

1"(DN25)– 24"(DN600)

Design Standard:

ISO6182, AWWA C606, GB 5135.11

Connection Standard:

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

Working Pressure:

175PSI-500PSI

Application:

The reducing tee product is suitable for medium and low pressure pipeline systems with nominal pressure 175-500 PSI, nominal size DN25-DN600, 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

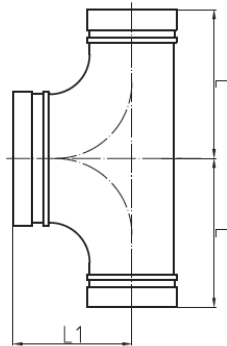
2.0 APPROVALS



3.0 SPECIFICATIONS-MATERIAL

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

4.0 DIMENSIONS AND PERFORMANCE



Sign Off:

Owner: _____ Contractor: _____

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Engineer: _____

Approved & Date: _____

Nominal Size	Pipe O.D	Working Pressure	Dimensions	Dimensions
			L1	L2
mm/in	mm/in	PSI/MPa	mm/in	mm/in
50X25 2X1	60.3X33.7 2.375X1.315	500 3.45	70 2.75	70 2.75
50x40 2x1½	60.3x48.3 2.375x1.900	500 3.45	70 2.75	70 2.75
65x40 2½x1½	73.0x48.3 2.875x1.900	500 3.45	76 3	76 3
65x50 2½x2	73.0x60.3 2.875x2.375	500 3.45	69 2.72	76 3
65x32 2½x1¼	76.1x42.4 3.000x1.660	500 3.45	76 3	76 3
65x40 2½x1½	76.1x48.3 3.000x1.900	500 3.45	76 3	76 3
65x50 2½x2	76.1x60.3 3.000x2.375	500 3.45	69 2.72	76 3
80X32 3X1	88.9X33.7 3.500X1.315	500 3.45	108 4.25	108 4.25
80X32 3X1¼	88.9X42.4 3.500X1.660	500 3.45	85.5 3.37	85.5 3.37
80X40 3X1½	88.9X48.3 3.500X1.900	500 3.45	85.5 3.37	85.5 3.37
80x50 3x2	88.9x60.3 3.500x2.375	500 3.45	85.5 3.37	85.5 3.37
80X65 3X2½	88.9X73.0 3.500X2.875	500 3.45	85.5 3.37	85.5 3.37
80x65 3x2½	88.9x76.1 3.500x3.000	500 3.45	85.5 3.37	85.5 3.37
100x50 4x2	108.0x60.3 4.250x2.375	500 3.45	101 3.98	101 3.98
100x80 4x3	108.0x88.9 4.250x3.500	500 3.45	101 3.98	101 3.98
100x25 4x1	114.3x33.7 4.500x1.315	500 3.45	101 3.98	101 3.98
100X40 4X1½	114.3X48.3 4.500X1.900	500 3.45	101 3.98	101 3.98
100x50 4x2	114.3x60.3 4.500x2.375	500 3.45	101 3.98	101 3.98
100X65 4X2½	114.3X73.0 4.500X2.875	500 3.45	101 3.98	101 3.98

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 Location: _____ Date: _____ Approved & Date: _____

Nominal Size	Pipe O.D	Working Pressure	Dimensions	
			L1	L2
mm/in	mm/in	PSI/MPa	mm/in	mm/in
100x65 4x2½	114.3x76.1 4.500x3.000	500 3.45	101 3.98	101 3.98
100x80 4x3	114.3x88.9 4.500x3.500	500 3.45	101 3.98	101 3.98
125X50 5X2	133.0X60.3 5.250X2.375	500 3.45	124 4.88	124 4.88
125X65 5X2½	133.0X76.1 5.250X3.000	500 3.45	124 4.88	124 4.88
125X100 5X4	133.0X108.0 5.250X4.250	500 3.45	124 4.88	124 4.88
125X100 5X4	133.0X114.3 5.250X4.500	500 3.45	124 4.88	124 4.88
125x40 5x1½	139.7x48.3 5.500x1.900	500 3.45	124 4.88	124 4.88
125x50 5x2	139.7x60.3 5.500x2.375	500 3.45	124 4.88	124 4.88
125x65 5x2½	139.7x76.1 5.500x3.000	500 3.45	124 4.88	124 4.88
125x80 5x3	139.7x88.9 5.500x3.500	500 3.45	124 4.88	124 4.88
125x100 5x4	139.7x114.3 5.500x4.500	500 3.45	124 4.88	124 4.88
125x50 5x2	141.3x60.3 5.563x2.375	500 3.45	124 4.88	124 4.88
125x80 5x3	141.3x88.9 5.563x3.500	500 3.45	124 4.88	124 4.88
125x100 5x4	141.3x114.3 5.563x4.500	500 3.45	124 4.88	124 4.88
150X60 6X2	159.0X60.3 6.250X2.375	500 3.45	140 5.5	140 5.5
150X65 6X2½	159.0X76.1 6.250X3.000	500 3.45	140 5.5	140 5.5
150X80 6X3	159.0X88.9 6.250X3.500	500 3.45	140 5.5	140 5.5
150X100 6X4	159.0X108.0 6.250X4.250	500 3.45	140 5.5	140 5.5
150x100 6x4	159.0x114.3 6.250x4.500	500 3.45	140 5.5	140 5.5

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Nominal Size	Pipe O.D	Working Pressure	Dimensions	Dimensions
			L1	L2
mm/in	mm/in	PSI/MPa	mm/in	mm/in
150x125 6x5	159.0x133.0 6.250x5.250	500 3.45	140 5.5	140 5.5
150x50 6x2	165.1x60.3 6.500x2.375	300 2.07	140 5.5	140 5.5
150x65 6x2½	165.1x76.1 6.500x3.000	300 2.07	140 5.5	140 5.5
150x80 6x3	165.1x88.9 6.500x3.500	300 2.07	140 5.5	140 5.5
150x100 6x4	165.1x114.3 6.500x4.500	300 2.07	140 5.5	140 5.5
150x125 6x5	165.1x139.7 6.500x5.500	300 2.07	140 5.5	140 5.5
165x133 6½x5	165.1x114.3 6.500x5.500	300	140 5.5	140 5.5
150x50 6x2	168.3x60.3 6.625x2.375	500 3.45	140 5.5	140 5.5
150x65 6x2½	168.3x73.0 6.625x2.875	500 3.45	140 5.5	140 5.5
150x65 6x2½	168.3x76.1 6.625x3.000	500 3.45	140 5.5	140 5.5
150x80 6x3	168.3x88.9 6.625x3.500	500 3.45	140 5.5	140 5.5
150x100 6x4	168.3x114.3 6.625x4.500	500 3.45	140 5.5	140 5.5
150x125 6x5	168.3x139.7 6.625x5.500	300 2.07	140 5.5	140 5.5
150x125 6x5	168.3x141.3 6.625x5.563	300 2.07	140 5.5	140 5.5
200x100 8x4	216.3x114.3 8.516x4.500	300 2.07	175 6.89	175 6.89
200x150 8x6	216.3x165.1 8.516x6.500	300 2.07	175 6.89	175 6.89
200x50 8x2	219.1x60.3 8.625x2.375	500 3.45	175 6.89	175 6.89
200x65 8x2½	219.1x76.1 8.625x3.000	300 2.07	175 6.89	175 6.89
200x80 8x3	219.1x88.9 8.625x3.500	500 3.45	175 6.89	175 6.89

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Nominal Size	Pipe O.D	Working Pressure	Dimensions	Dimensions
			L1	L2
mm/in	mm/in	PSI/MPa	mm/in	mm/in
200x100 8x4	219.1x108.0 8.625x4.250	500 3.45	175 6.89	175 6.89
200x100 8x4	219.1x114.3 8.625x4.500	500 3.45	175 6.89	175 6.89
200x125 8x5	219.1x133.0 8.625x5.250	300 2.07	175 6.89	175 6.89
200x125 8x5	219.1x139.7 8.625x5.500	300 2.07	175 6.89	175 6.89
200x150 8x6	219.1x159.0 8.625x6.250	300 2.07	175 6.89	175 6.89
200x150 8x6	219.1x165.1 8.625x6.500	300 2.07	175 6.89	175 6.89
200x150 8x6	219.1x168.3 8.625x6.625	500 3.45	175 6.89	175 6.89
250x150 10x6	273.0x159.0 10.750x6.250	500 3.45	229 9	229 9
250x150 10x6	273.0x165.1 10.750x6.500	300 2.07	229 9	229 9
250x150 10x6	273.0x168.3 10.750x6.625	300 2.07	229 9	229 9
250x200 10x8	273.0x219.1 10.750x8.625	300 2.07	229 9	229 9
300x150 12x6	323.9x165.1 12.750x6.500	300 2.07	254 10	254 10
300x150 12x6	323.9x168.3 12.750x6.625	300 2.07	254 10	254 10
300x200 12x8	323.9x219.1 12.750x8.625	300 2.07	254 10	254 10
300x250 12x10	323.9x273.0 12.750x10.750	300 2.07	254 10	254 10
450x300 18x12	480.0x323.9 18.897x12.750	300 2.07	335 13.188	335 13.188
450x350 18x14	480.0x377 18.897x14.840	300 2.07	335 13.188	335 13.188
350x150 14x6	355.6x168.3 14.000x6.625	300 2.07	279 10.98	238 9.37
350x200 14x8	355.6x219.1 14.000x8.625	300 2.07	280 11.02	280 11.02

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Nominal Size	Pipe O.D	Working Pressure	Dimensions	Dimensions
			L1	L2
mm/in	mm/in	PSI/MPa	mm/in	mm/in
350X250 14X10	355.6X273.0 14.000X10.75	300 2.07	279 10.98	257 10.12
350X300 14X12	355.6X323.9 14.000X12.75	300 2.07	279 10.98	270 10.63
350X125 14X5	377.0X133.0 14.840X5.250	300 2.07	240 9.45	265 10.43
350X150 14X6	377.0X159.0 14.840X6.250	300 2.07	240 9.45	265 10.43
350X200 14X8	377.0X219.1 14.840X8.625	300 2.07	240 9.45	265 10.43
350X250 14X10	377.0X273.0 14.840X10.750	300 2.07	240 9.45	265 10.43
350X300 14X12	377.0X323.9 14.840X12.750	300 2.07	240 9.45	265 10.43
400X150 16X6	406.4X168.3 16.000X6.625	300 2.07	305 12.01	264 10.39
400X200 16X8	406.4X219.1 16.000X8.625	300 2.07	305 12.01	273 10.75
400X250 16X10	406.4X273.0 16.000X10.75	300 2.07	305 10.01	283 11.14
400X300 16X12	406.4X323.9 16.000X12.75	300 2.07	305 12.01	295 11.61
400X350 16X14	406.4X355.6 16.000X14.000	300 2.07	305 12.01	305 12.01
400X125 16X5	426.0X133.0 16.772X5.250	300 2.07	260 10.24	285 11.22
400X150 16X6	426.0X159.0 16.772X6.250	300 2.07	260 10.24	285 11.22
400X200 16X8	426.0X219.1 16.772X8.625	300 2.07	260 10.24	285 11.22
400X250 16X10	426.0X273.0 16.772X10.750	300 2.07	260 10.24	285 11.22
400X300 16X12	426.0X323.9 16.772X12.750	300 2.07	260 10.24	285 11.22
450X150 18X6	457.2X168.3 18.000X6.625	300 2.07	343 13.5	298 11.73
450X200 18X8	457.2X219.1 18.000X8.625	300 2.07	343 13.5	298 11.73

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Nominal Size	Pipe O.D	Working Pressure	Dimensions	Dimensions
			L1	L2
mm/in	mm/in	PSI/MPa	mm/in	mm/in
450X250 18X10	457.2X273.0 18.000X10.75	300 2.07	343 13.5	308 12.13
450X300 18X12	457.2X323.9 18.000X12.75	300 2.07	343 13.5	321 12.64
450X350 18X14	457.2X355.6 18.000X14.000	300 2.07	343 13.5	330 12.99
450X400 18X16	457.2X406.4 18.000X16.000	300 2.07	343 13.5	330 12.99
500X150 20X6	508.0X168.3 20.000X6.625	300 2.07	381 15	324 12.76
500X200 20X8	508.0X219.1 20.000X8.625	300 2.07	381 15	324 12.76
500X250 20X10	508.0X273.0 20.000X10.75	300 2.07	381 15	333 13.11
500X300 20X12	508.0X323.9 20.000X12.75	300 2.07	381 15	346 13.62
500X350 20X14	508.0X355.6 20.000X14.000	300 2.07	381 15	356 14.02
500X400 20X16	508.0X406.4 20.000X16.000	300 2.07	381 15	356 14.02
500X450 20X16	508.0X457.2 20.000X18.000	300 2.07	381 15	368 14.49
600X150 24X6	609.6X168.3 24.000X6.625	300 2.07	432 17.01	384 15.12
600X200 24X6	609.6X219.1 24.000X8.625	300 2.07	432 17.01	384 15.12
600X250 24X10	609.6X273.0 24.000X10.750	300 2.07	432 17.01	384 15.12
600X300 24X12	609.6X323.9 24.000X12.750	300 2.07	432 17.01	397 15.63
600X350 24X14	609.6X355.6 24.000X14.000	300 2.07	432 17.01	406 15.98
600X400 24X16	609.6X406.4 24.000X16.000	300 2.07	432 17.01	406 15.98
600X450 24X18	609.6X457.2 24.000X18.000	300 2.07	432 17.01	419 16.5
600X500 24X20	609.6X508.0 24.000X20.000	300 2.07	432 17.01	432 17.01

Sign Off:

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Engineer: _____

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5.0 REFERENCE MATERIALS

Approved certification for Grooved Fittings and Couplings

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

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