

BS STANDARD MALLEABLE IRON PIPE FITTINGS-REDUCING

90° ELBOW

Type: 90R

Doc No: DS-102-90R-01-E

1.0 PRODUCT OVERVIEW

The reducing 90° elbow is one kind of malleable iron pipe fittings, which can connect two pipe joints of the different nominal diameter to make the pipe can be turned 90 degree.



Dimensions:

1/4"X1/8"(DN8X6)-6"X4"(DN150X100)

Design Standard:

EN 10242, GB/T 3287

Connection Standard:

ISO 7/1, GB/T 7306.2

Working Pressure:

PN16

Application:

The reducing 90 degree elbow is suitable for medium and low pressure pipeline systems, whose nominal pressure is not exceeding 2.5 MPa and working temperature range is between -20 °C and 120 °C. It is mainly applied in water, oil, air, gas, steam system, etc.

Material of Matching Products:

Q195, EN10255

Surface Treatment:

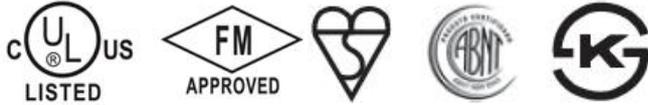
Sign Off:

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

Engineer: _____
Approved & Date: _____

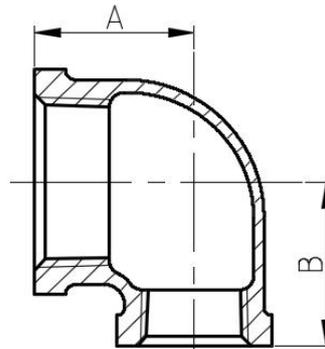
- Black
- Hot-dip galvanizing
- Hot-dip galvanizing+ Electroplated zinc
- Epoxy power painting
- Electroplated zinc

2.0 APPROVALS



3.0 DIMENSIONS AND PERFORMANCE

Dimensions



Sign Off:

Owner: _____ Contractor: _____
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Engineer: _____
Approved & Date: _____

No	Dimension	A	B	No	Dimension	A	B
1	8X6	19±1.5	19±1.5	23	50X25	44±2.0	52±2.5
2	10X6	21±1.5	22±1.5	24	50X32	48±2.0	54±2.5
3	10X8	23±1.5	23±1.5	25	50X40	52±2.5	56±2.5
4	15X10	26±1.5	26±1.5	26	65X20	44±2.0	59±2.5
5	15X8	24±1.5	24±1.5	27	65X25	47±2.0	60±2.5
6	20X10	28±1.5	28±1.5	28	65X32	52±2.5	62±2.5
7	20X15	30±1.5	31±2.0	29	65X40	55±2.5	63±2.5
8	20X8	26±1.5	27±1.5	30	65X50	61±2.5	66±2.5
9	25X10	30±1.5	32±2.0	31	80X20	45±2.0	65±2.5
10	25X15	32±2.0	34±2.0	32	80X25	51±2.5	67±2.5
11	25X20	35±2.0	36±2.0	33	80X32	55±2.5	70±2.5
12	25X8	28±1.5	31±2.0	34	80X40	58±2.5	71±2.5
13	32X10	32±2.0	36±2.0	35	80X50	64±2.5	73±2.5
14	32X15	34±2.0	38±2.0	36	80X65	72±2.5	76±3.0
15	32X20	36±2.0	41±2.0	37	100X25	57±2.5	83±3.0
16	32X25	40±2.0	42±2.0	38	100X32	61±2.5	83±3.0
17	40X15	36±2.0	42±2.0	39	100X40	64±2.5	84±3.0
18	40X20	38±2.0	44±2.0	40	100X50	70±2.5	86±3.0
19	40X25	42±2.0	46±2.0	41	100X65	77±3.0	89±3.0
20	40X32	46±2.0	48±2.0	42	100X80	84±3.0	92±3.0
21	50X15	38±2.0	48±2.0	43	150X100	105±3.5	125±3.5
22	50X20	40±2.0	50±2.0				

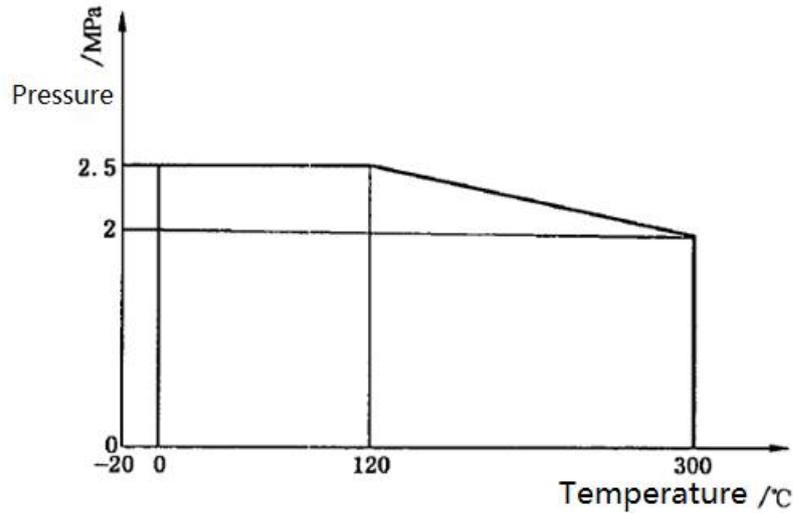
Performance

1. All fittings shall comply with the maximum permissible working pressure and temperature range given in the table. The pressure value between 120 °C and 300 °C is determined by linear interpolation. The normal temperature of the pipe is not lower than -20 °C. When used outside the specified pressure and temperature range, it should be negotiated with the manufacturer.

Temperature Range °C	Max Working Pressure MPa
-140	2.5
120-300	Interpolated value
300	2

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 Location: _____ Date: _____ Approved & Date: _____



2. The inside of the pipe fittings shall be able to withstand an air pressure of not less than 0.5 MPa, and the pipe fittings shall be completely immersed in the water tank for visual inspection without leakage.

4.0 REFERENCE MATERIALS

Approved certification for Malleable Iron Pipe Fittings

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Engineer: _____
Approved & Date: _____