

BS STANDARD MALLEABLE IRON PIPE FITTINGS -45° ELBOW

Type: 120

Doc No: DS-122-120-01-E

1.0 PRODUCT OVERVIEW

The 45° elbow is one kind of malleable iron pipe fittings, which can connect two pipe joints of the same nominal diameter to make the pipe can be turned 45 degree.



Dimensions:

1/8" (DN6)-6" (DN150)

Design Standard:

EN10242、GB/T 3287

Connection Standard:

ISO7/1、GB/T7306.2

Working Pressure:

PN16

Application:

The 45 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: _____

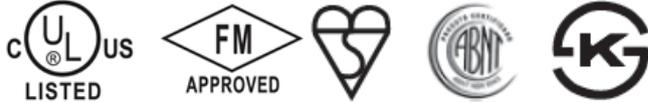
Engineer: _____

Location: _____ Date: _____

Approved & Date: _____

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

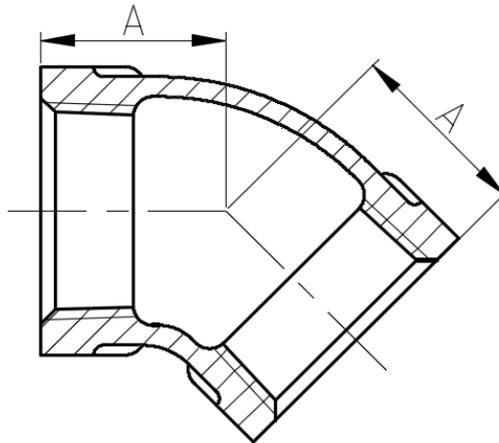
2.0 APPROVALS



3.0 DIMENSIONS AND PERFORMANCE

Dimensions

NO.	SIZE	A
1	6	17±1.5
2	8	19±1.5
3	10	20±1.5
4	15	22±1.5
5	20	25±1.5
6	25	28±1.5
7	32	33±2.0
8	40	36±2.0
9	50	43±2.0
10	65	50±2.0
11	80	55±2.5
12	100	66±2.5
13	150	88±3.0



Performance

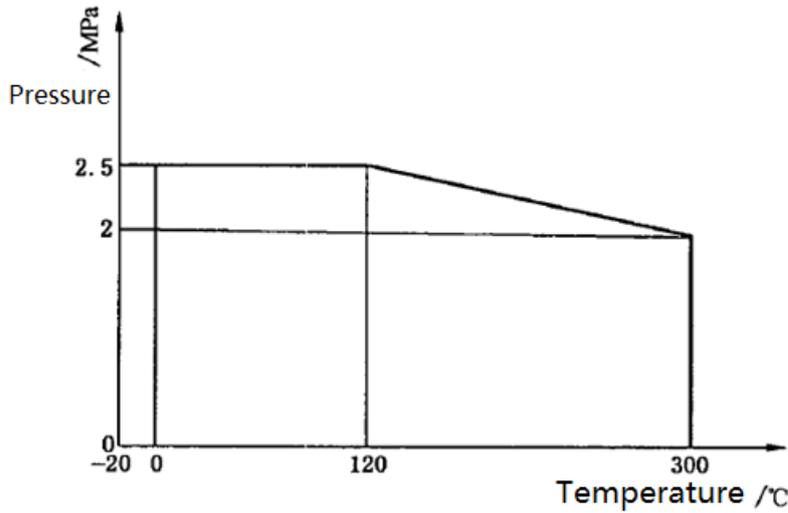
1. All fittings shall comply with the maximum permissible working pressure and temperature range given in the table. The pressure value between 120 °C and 300 °C is determined by linear interpolation. The normal temperature of the pipe is not lower than -20 °C. When used outside the specified pressure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

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range, it should be negotiated with the manufacturer.

Temperature Range °C	Max Working Pressure MPa
-20-120	2.5
120-300	Interpolated value
300	2



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

Sign Off:

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