

AMERICAN STANDARD CLASS 300 MALLEABLE IRON PIPE FITTING-COUPLING HOT-DIP GALVANIZING

Type: 220

Doc No: DS-194-220-01-E

1.0 PRODUCT OVERVIEW

USED FOR CONNECTING TWO PIPES WITH THE SAME THREAD AT
STRAIGHT LINE OF PIPE



Dimensions:

1/4" (DN8)-4" (DN100)

Design Standard:

ASME B16.3

Connection Standard:

ANSI/ASME B 1.20.1

Working Pressure::

Table 1 Pressure-Temperature Ratings

Temperature, °C	Working Pressure, bar			
	Class 150	Class 300		
		NPS		
		1/4-1	1 1/4-2	2 1/2-3
-29 to 66	20.7	137.9	103.4	69.0
100	17.5	119.6	90.5	61.5
125	15.2	106.4	81.1	56.1
150	12.8	93.1	71.8	50.7
175	10.5 [Note (1)]	79.9	62.5	45.2
200	...	66.6	53.1	39.8
225	...	53.4	43.8	34.3
250	...	40.1	34.5	28.9
275	...	26.9	25.2	23.4
288	...	20.7	20.7	20.7

Application:

The malleable iron fittings is mainly applied to medium and low pressure pipeline systems for water supply and drainage, fire protection, air conditioning, etc. with a nominal pressure of 500 PSI. The operating temperature range is -29 °C-120 °C.

Pipe Material:

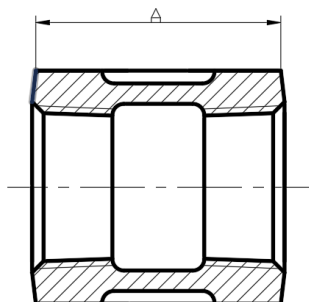
Welded and seamlessly rolled steel pipe:
ASME B36.10, ASTM A53-A53M

Surface Treatment:

- ☐ Black
- ☐ Hot-dip galvanizing
- ☐ Electric zinc plating
- ☐ Electric zinc plating base on hot dipped galvanizing ☐

Others would be available upon clients' detailed request

2.0 DIMENSIONS AND PERFORMANCE



No.	SIZE	Amin	Z	UL	FM	DVGW
1	8	24±1.5	14	Y	Y	Y
2	10	27±1.5	14	Y	Y	Y
3	15	33±2.0	18	Y	Y	Y
4	20	40±2.0	23	Y	Y	Y
5	25	24±1.5	14	Y	Y	Y
6	32	27±1.5	14	Y	Y	Y
7	40	33±2.0	18	Y	Y	Y
8	50	40±2.0	23	Y	Y	Y
9	65	24±1.5	14	Y	Y	Y
10	80	27±1.5	14	Y	Y	Y
11	100	33±2.0	18	Y	Y	Y

3.0 REFERENCE MATERIALS

Approved certification for DIN Malleable Iron Pipe Fittings