

Pipe, Fittings and Pipe Joints for Underground Fire Service Mains

Underground fire service mains are made from many different materials. Cast iron, ductile iron, stainless steel pipe, Polyvinyl Chloride (PVC), Polyethylene (PE), and Fiber Reinforced Composite (FRP of Fiberglass) pipe and fittings are acceptable when they are FM Approved.

Installation of these products should conform to FM Global Property Loss Prevention Data Sheets.

Ductile Iron Pipe and Fittings

Ductile iron pipe and fittings should be installed and anchored according to the manufacturer's instructions and FM Global Property Loss Prevention Data Sheets. For underground use only.

Ductile Iron Pipe and Fittings

IMPERIAL LISTINGS

Product Description	Nominal Pipe Size, mm	Rated Working Pressure		Remarks
		psi	(bar)	
Pipe, Push-On Joint	4, 6, 8, 10, 12	350	(24.1)	a
Pipe, Push-On Joint (Class 350)	4, 6, 8, 10, 12	350	(24.1)	
90° Bend (MJ x MJ)	4, 6, 8, 10	350	(24.1)	
90° Bend (MJ x MJ)	12	300	(20.7)	
45° Bend (MJ x MJ)	4, 6, 8, 10	350	(24.1)	
45° Bend (MJ x MJ)	12	300	(20.7)	
22 1/2° Bend (MJ x MJ)	4, 6, 8, 10	350	(24.1)	
22 1/2° Bend (MJ x MJ)	12	300	(20.7)	
11 1/4° Bend (MJ x MJ)	4, 6, 8, 10	350	(24.1)	
11 1/4° Bend (MJ x MJ)	12	300	(20.7)	
90° Bend (MJ x PE)	4, 6, 8, 10	350	(24.1)	
90° Bend (MJ x PE)	12	300	(20.7)	
45° Bend (MJ x PE)	4, 6, 8, 10	350	(24.1)	
45° Bend (MJ x PE)	12	300	(20.7)	
22 1/2° Bend (MJ x PE)	4, 6, 8, 10	350	(24.1)	
22 1/2° Bend (MJ x PE)	12	300	(20.7)	
11 1/4° Bend (MJ x PE)	4, 6, 8, 10	350	(24.1)	
11 1/4° Bend (MJ x PE)	12	300	(20.7)	
Equal Tee (MJ)	4, 6, 8, 10	350	(24.1)	
Equal Tee (MJ)	12	300	(20.7)	
Reducing Tee (MJ)	4x3	350	(24.1)	
	6x3, 6x4			
	8x4, 8x6			
	10x4, 10x6, 10x8			
Reducing Tee (MJ)	12x4, 12x6, 12x8, 12x10	300	(20.7)	

Equal Cross (MJ)	4, 6, 8, 10	350	(24.1)	
Equal Cross (MJ)	12	300	(20.7)	
Reducer (MJ x MJ)	4x3	350	(24.1)	
	6x3, 6x4			
	8x4, 8x6			
	10x4, 10x6, 10x8			
Reducer (MJ x MJ)	12x4, 12x6, 12x8, 12x10	300	(20.7)	
Reducer (MJ x PE) SEB Small End Bell	4x3	350	(24.1)	
	6x3, 6x4			
	8x4, 8x6			
	10x4, 10x6, 10x8			
Reducer (MJ x PE) SEB Small End Bell	12x4, 12x6, 12x8, 12x10	300	(20.7)	
Reducer (MJ x PE) LEB Large End Bell	4x3	350	(24.1)	
	6x3, 6x4			
	8x4, 8x6			
	10x4, 10x6, 10x8			
Reducer (MJ x PE) LEB Large End Bell	12x4, 12x6, 12x8, 12x10	300	(20.7)	
Reducer (PE x PE)	4x3	350	(24.1)	
	6x3, 6x4			
	8x4, 8x6			
	10x4, 10x6, 10x8			
Reducer (PE x PE)	12x4, 12x6, 12x8, 12x10	300	(20.7)	
Short Sleeve (MJ)	3, 4, 6, 8, 10	350	(24.1)	
Short Sleeve (MJ)	12	300	(20.7)	
Long Sleeve (MJ)	3, 4, 6, 8, 10	350	(24.1)	
Long Sleeve (MJ)	12	300	(20.7)	
Cap (MJ)	3, 4, 6, 8, 10	350	(24.1)	
Cap (MJ)	12	300	(20.7)	
Plug (MJ)	3, 4, 6, 8, 10	350	(24.1)	
Plug (MJ)	12	300	(20.7)	
90° Bend (Flanged)	3, 4, 6, 8, 10, 12	250	(17.2)	
45° Bend (Flanged)	3, 4, 6, 8, 10, 12	250	(17.2)	
22.5° Bend (Flanged)	3, 4, 6, 8, 10, 12	250	(17.2)	
11.25° Bend (Flanged)	3, 4, 6, 8, 10, 12	250	(17.2)	

Equal Tee (Flanged)	3, 4, 6, 8, 10, 12	250	(17.2)	
Reducing Tee (Flanged)	4x3	250	(17.2)	
	6x3, 6x4			
	8x6, 8x4, 10x8			
	10x6, 10x4, 12x10, 12x8, 12x6			
	12x4			
Equal Cross (Flanged)	3, 4, 6, 8, 10, 12	250	(17.2)	
Reducer (Flanged)	4x3	250	(17.2)	
	6x3, 6x4			
	8x4, 8x6			
	10x4, 10x6, 10x8			
	12x10, 12x8, 12x6, 12x4			
11 1/4° Bend (Push On)	80, 100, 150, 200, 250	250	(17.2)	
Base Tee (Flanged)	3, 4, 6, 8, 10, 12	250	(17.2)	
Straight Flare (Flanged)	3, 4, 6, 8, 10, 12	250	(17.2)	
90° Bend Flare (Flanged)	3, 4, 6, 8, 10, 12	250	(17.2)	
Blind Flange	3, 4, 6, 8, 10, 12	250	(17.2)	
Connecting Pieces	3, 4, 6, 8, 10, 12	250	(17.2)	
(Flange x PE)				

Remarks:

a. Classes 50 through 56. Minimum 4 inch size is Class 51.

Company Name:	Electrosteel Castings Ltd
Company Address:	30 B.T. Road Khardah, Kolkata West Bengal, India
Company Website:	http://electrosteel.com
New/Updated Product Listing:	No
Listing Country:	India
Certification Type:	FM Approved
Class of Work:	1610-Pipe, Ftngs&Coup, Undg, DI