

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

<i>Description</i>	<i>Nominal Pipe Size, mm</i>	<i>Rated Working Pressure Bar (psi)</i>
Pipe with VRS-TIROFLEX spigot-and-socket joint with and without welded bead	80 through 300	16 (230)
Pipe section with two welded beads	80 through 300	16 (230)
Flanged sockets (EU)	80 through 300	16 (230)
Flanged spigots (F)	80 through 300	16 (230)
VRS joint 90° double-socket bend (MMQ)	80 through 300	16 (230)
45° double-socket bend (MMK)	80 through 300	16 (230)
30° double-socket bend (MMK)	80 through 300	16 (230)
22 1/2 ° double-socket bend (MMK)	80 through 300	16 (230)
11 1/4 ° double-socket bend (MMK)	80 through 300	16 (230)
Double-socket tee with flanged branch (MMA)	250 x 250 x 100, 150, 200, 250	16 (230)
Double-socket tee with flanged branch (MMA)	200 x 200 x 100, 150, 200	16 (230)
Double-socket tee with flanged branch (MMA)	150 x 150 x 100, 150	16 (230)
Double-socket tee with flanged branch (MMA)	125 x 125 x 100, 125	16 (230)
Double-socket tee with flanged branch (MMA)	100 x 100 x 100	16 (230)
All socket Tee (MMB)	300 x 300 x 100, 150, 200, 250, 300	16 (230)
All socket Tee (MMB)	250 x 250 x 100, 150, 200, 250	16 (230)

All socket Tee (MMB)	200 x 200 x 100, 150, 200	16 (230)
All socket Tee (MMB)	150 x 150 x 100, 150	16 (230)
All socket Tee (MMB)	125 x 125 x 100, 125	16 (230)
All socket Tee (MMB)	100 x 100 x 100	16 (230)
Double-socket taper (MMR)	300 x 150, 200, 250	16 (230)
Double-socket taper (MMR)	250 x 125, 150, 200	16 (230)
Double-socket taper (MMR)	200 x 100, 125, 150	16 (230)
Double-socket taper (MMR)	150 x 100, 125	16 (230)
Double-socket taper (MMR)	125 x 100	16 (230)
90° flanged bend (Q)	80 through 300	10.5 (150)
45° flanged bend (FFK)	80 through 300	10.5 (150)
30° flanged bend (FFK)	80 through 300	10.5 (150)
22 1/2 ° flanged bend (FFK)	80 through 300	10.5 (150)
11 1/4 ° flanged bend (FFK)	80 through 300	10.5 (150)
90° double-flanged duckfoot bend (N and QN)	80 through 300	10.5 (150)
All flanged tee	300 x 300 x 100, 200, 300	10.5 (150)
All flanged tee	250 x 250 x 100, 200, 250	10.5 (150)
All flanged tee	200 x 200 x 100, 150, 200	10.5 (150)
All flanged tee	150 x 150 x 100, 125, 150	10.5 (150)
All flanged tee	125 x 125 x 100, 125	10.5 (150)
All flanged tee	100 x 100 x 100	10.5 (150)
Double-flanged taper (FFR)	250 x 200	10.5 (150)
Double-flanged taper (FFR)	200 x 100, 125, 150	10.5 (150)

Double-flanged taper (FFR)	150 x 100, 125	10.5 (150)
Double-flanged taper (FFR)	125 x 100	10.5 (150)
Blank flange (X): DN 50-250	80 through 300	16 (230)
Blank flange (X): DN 300-500	80 through 300	10.5 (150)
Plug (P)	80 through 300	16 (230)

Company Name:	Tiroler Rohren-und Metallwerke
Company Address:	Box 95, A-6060 Hall in Tirol, Austria
Company Website:	http://www.trm.at
Listing Country:	Austria
Certification Type:	FM Approved