



Strength and Durability for Life®



Thrust Restraint Design for Ductile Iron Pipe

Project Name

Project Data

Type of Fitting ?

Angle of Bends ?

Diameter of Bends ? in.

Known Length (L) ? ft.

Laying Condition ?

Soil Designation

Depth of Cover ft.

Design Pressure ? psi

Safety Factor ?

Vertical Offset

Unit Frictional Force **1,203** lbs/ft

Unit Bearing Resistance of L2 **3,482** lbs/ft

Required Restrained Length:

	Bare	Polywrapped
L1	78.2 ft	114.9 ft
L2	27.5 ft	32.4 ft

