



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	72.7 ft	109.4 ft
L2	22.0 ft	26.9 ft

