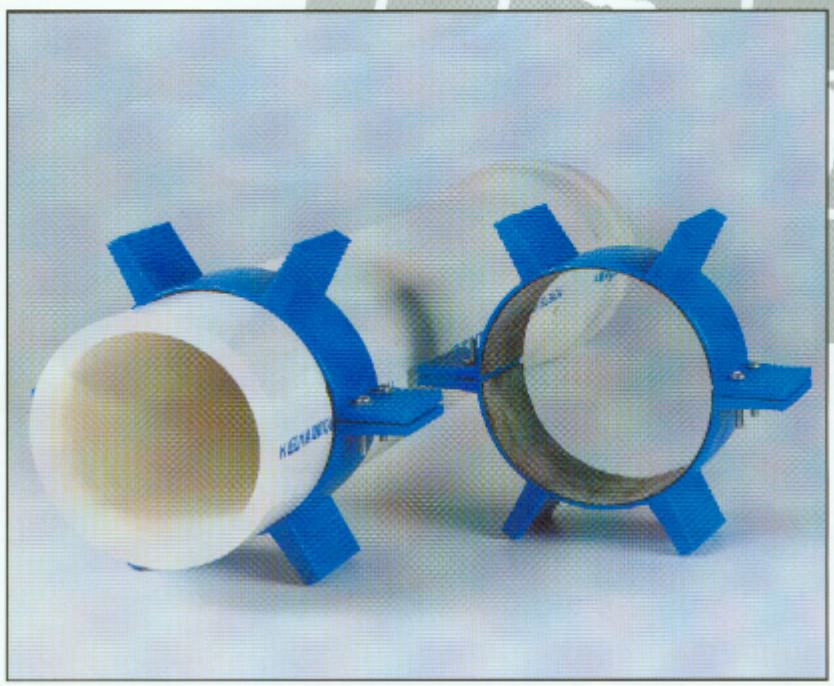
Maloney Model 90™ Casing Insulator

Finally!! The Best Casing Insulator...

Simple to Install
Extra Strong
Non-Metallic



Model 90 Casing Insulator

The Maloney Model 90 casing insulator is injection-molded under precisely controlled conditions to ensure optimal reliability and performance. Produced from the same virgin, high-density polyethylene (HDPE) as our Model 60 Insulators, the Model 90 exhibits the same toughness and durability already associated with the products bearing the Maloney name. The low friction coefficient and the high abrasion resistance of the HDPE allows the carrier pipe to be more easily pulled through the casing.

These insulators are molded in two sections, and designed for simplified field installation, using integrated threaded inserts that require only a screwdriver to assemble. In addition, a rubberized liner is factory-installed to prevent slippage between the insulator and the pipe. All hardware is stainless steel to resist corrosion.

The Model 90 is specifically designed to raise the belled portion of cast iron and PVC pipe above the inside surface of the casing pipe. (See Table)

In the event of a nonstandard configuration, the molded "cutting guides" on the side of each fin make it easier to manually cut the fins to a uniform height.

Insulator Spacing

The Model 90 Casing Insulator is designed to carry the filled weight of the pipeline without deformation of the support fins. For proper operation, the insulators should be installed 1 foot from each casing end, 1 foot from each side of a pipe joint and 4-6 feet spacing on the pipe barrel is recommended. Actual spacing may vary depending on local regulations and design specifications.

Waterworks Casing Insulator Physical Properties

Dielectric Strength (ASTM D-149 step-by-step method)	400 - 500 volts/mil
Compressive Strength (ASTM D-695)	3200 psi
Flexural Yield Strength (ASTM D-790)	1000 psi
Tensile Strength ASTM D-638, D-651	3100 - 5500 psi
Impact Strength (ASTM D-256)	4.0 ft lbs/in of notch
Water Absorption (ASTM D-570)	<.01%
Maximum Continuous Operating Temperature	225°F

Dimensions and Specifications

Carrier Size	Minimum Casing Size	Diameter Over Runners	Number of Runners	Number of Segments	Width
4"	10"	9-1/8"	6	2	4"
6"	12"	10-15/16"	6	2	4"
8"	16"	14-7/16"	6	2	4"
10"	18"	16-1/4"	6	2	4"
12"	20"	18-1/8"	6	2	4"