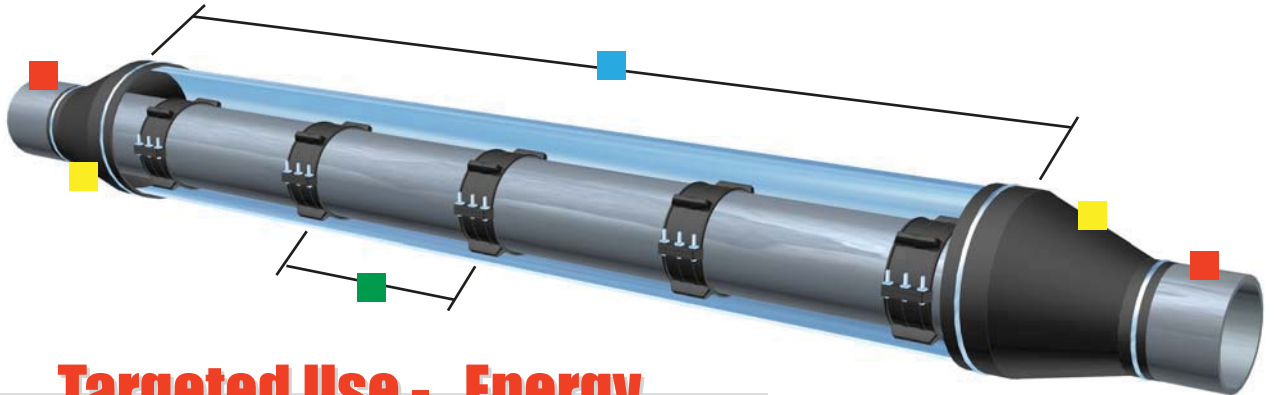
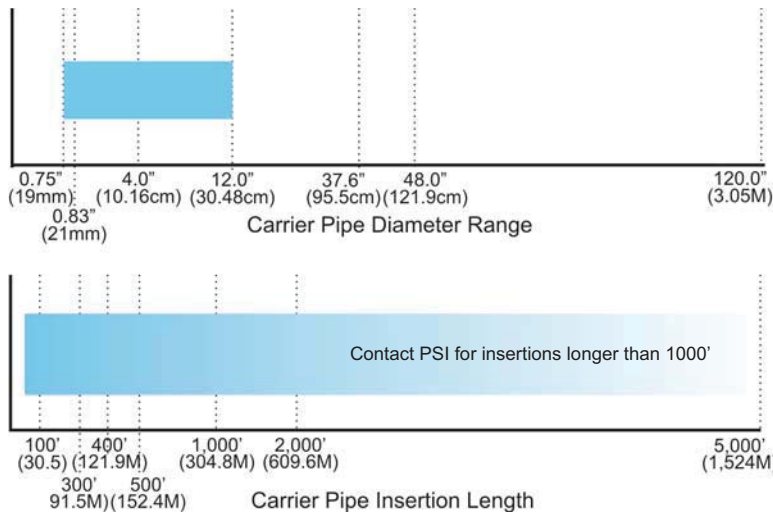


Model HT Non-metallic Casing Spacers

PSI Model HT Non-metallic Casing Spacers



Targeted Use - Energy

- For carrier pipe diameters (Nominal Steel & IPS) ranging from 3/4" (19.1mm) to 12" (304.8mm)
- For carrier pipe insertion lengths up to 400 feet.* (121.9M)
- Spacing Recommendation: Max 8' (243.8cm) between spacers, Max 2' (61.0cm) from casing pipe end.
- Recommended End Seals: Model C, S, W, R and FW.

*Model HT Casing Isolators are designed primarily for smaller diameter steel or polyethylene carrier pipes (ANSI O.D. pipe without a bell or mechanical joint). We do not recommend that they be used on any carrier pipe over 12" (30.5cm) in diameter or for installations over 400 feet (121.9M) long without consulting with PSI. HT Isolators should **not** be used on concrete carrier pipe.

Benefits/Features

- May be used for high-temperature applications.
- Unique formulation of polymers allows isolator/spacer to be used in applications where temperatures may reach 280-degrees F. (138-degrees C.)
- Ribbed inner surface prevents slippage and guards against coating damage.
- Lightweight for ease of handling and installation.
- Screwdriver is only tool needed for installation.
- Model available with non-metallic hardware.
- Eliminates the need for grout, blown sand or pea gravel.

Polycarbonate is used in the manufacture of the Hi-Temp isolators/spacers giving them the ability to be used for applications that may reach 280-degrees F. (138-degrees C.). In addition to heat resistance, they also offer excellent electrical isolation, high abrasion resistance and low coefficient of friction for a wide variety of double containment carrier/casing pipe applications. Light in weight and easy to handle during installation, Model HT casing isolators also feature ribbed inner surface that prevents slippage and guards against carrier pipe coating damage. The outer surface may include any one of several molded runners to accommodate 2" (50.8mm) x 4" (101.6mm) or larger carrier/casing differentials.

PSI Model HT Non-metallic Casing Spacers

Material Specifications

SPECIFICATION	ASTM TEST	VALUE
Band/Runner Segments		Injected Molded Virgin Polycarbonate
Tensile Strength	D790	8,100 - 9,000 psi
Compressive Strength	D695	12,500 psi
Water Absorption	D570	0.1%
Temperature		280°F. Max. (138°C.)
Impact Strength	D256	1.5 - 2.0 ft lb/in. (0.8 - 1.07 newton-meters/cm)
Dielectric Strength	D149	450 Volts/Mil.
Color		Black

Liner - T.P.E. Liner (HT Models 6x10 through 12x16)

Thickness	0.118" (3.0mm)
Hardness	Shore "A" 73
Dielectric Strength	
1/8" (3.18mm) Surge Test	60,000 V min.
Step-by-step Test	58,000 V min.
Water Absorption	1% max.

Runners - Sizes and Configurations

3/4" (19mm) through 12" (305mm) = 2-piece with molded-in runners

Hardware

Metallic - Bolts and Square Nuts = Plated Steel

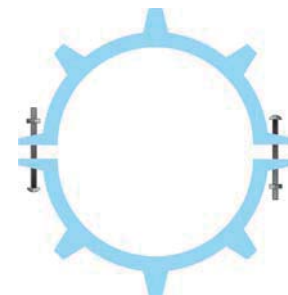
Non-metallic - Bolts and Nuts = High Temp Plastic

Model HT Band Width and Runner Height

Model Size	Band Width	Runner Height
3/4 X 2	3.0" (76.19mm)	5/16" (7.94mm)
1 X 3	3.0" (76.19mm)	1/2" (12.7mm)
1-1/4 X 3	3.0" (76.19mm)	1/2" (12.7mm)
1-1/2 X 3	3.0" (76.19mm)	1/2" (12.7mm)
2 x 4	4.0" (101.6mm)	5/8" (15.88mm)
3 x 6	4.0" (101.6mm)	5/8" (15.88mm)
4 X 8	4.0" (101.6mm)	1" (25.4mm)
6 X 10*	4.0" (101.6mm)	1" (25.4mm)
8 x 12*	5.0" (127.0mm)	1" (25.4mm)
10 X 14*	5.0" (127.0mm)	7/8" (22.23mm)
12 X 16*	5.0" (127.0mm)	7/8" (22.23mm)

* = Sold with Liner.

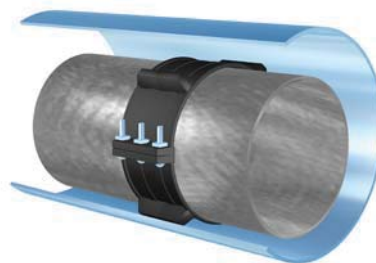
Note: Model HT Sized for Nominal Steel and IPS Pipe.



2-Piece
For 3/4" to 12" (1.9 to 30.48cm).



Position In Casing



Model HT Standard
S = Standard



For Hi-Temp Applications over 12" Nominal O.D. Use Metallic Casing Spacers with T.P.E Liner. Model A Spacers used on an insulated steel pipe.