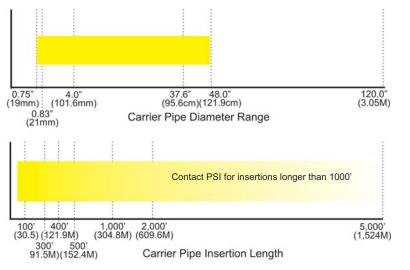
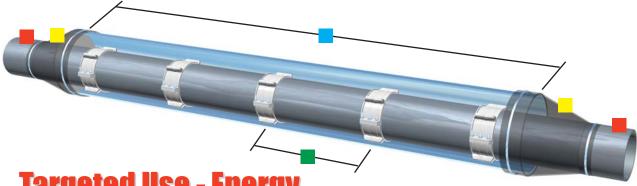
## **PSI Model PE Non-metallic Casing Spacers**







# **Targeted Use - Energy**

- For carrier pipe diameters (Nominal Steel & IPS) ranging from 3/4" (19.1mm) to 48" (121.92cm)
- For carrier pipe insertion lengths up to 1,000 feet.\* (304.8M)
- 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 PE Casing Spacers 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 24" (61.0cm) in diameter or for installations over 400 feet (121.9M) long without consulting with PSI. PE Isolators should **not** be used on concrete carrier pipe.

#### **Benefits/Features**

- Ribbed inner surface prevents slippage & guards against coating damage.
- · Molded from virgin polyethylene material.
- · 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.

High density (linear), injection molded virgin Polyethylene casing isolators/spacers provide positive electrical isolation, high abrasion resistance and low coefficient of friction for a wide variety of double containment carrier/casing pipe applications. They are extremely light in weight and easy to handle during installation. A ribbed inner surface prevents slippage and guards against carrier pipe coating damage while 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.

One piece solid molded segments provide for maximum load bearing. Hardware includes cadmium plated

steel bolts and nuts. A screwdriver is the only tool needed for installation.



## **PSI Model PE Non-metallic Casing Spacers**

**Material Specifications** 

| SPECIFICATION        | ASTM TEST  | VALUE  |  |
|----------------------|------------|--|--|
| Band/Runner Segments |            | Injection Molded Virgin Polyethylene             |  |
| Tensile Strength     | D638, D651 | 3,100 - 5,500 psi<br>218 - 387 kg/cm²            |  |
| Compressive Strength | D693       | 3,200 psi (225kg/cm²)                            |  |
| Water Absorption     | D570       | 0.1%   |  |
| Temperature          |            | 180°F. Max. (82°C.)                              |  |
| Impact Strength      | D256       | 1.5-2.0 ft lb/in.<br>(0.8-1.07 newton-meters/cm) |  |
| Dielectric Strength  | D149       | 450 Volts/Mil.                                   |  |
| Color                |            | White  |  |
| Liner - None         |            | VVIIICE  |  |



3/4" (19mm) through 12" (305mm) = 2-piece with molded-in runners 14" (356mm) and larger = Multiple segments with molded-in runners.

#### Hardware

Metallic - Bolts and Square Nuts = Plated Steel Non-metallic - Bolts and Nuts = High Temp Plastic

### Model PE Band Width and Runner Height

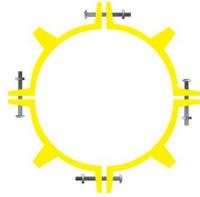
| Model Size Band Width                    |                  | Runner Height   |  |
|--|------------------|-----------------|--|
| 3/4 X 2                                  | 3.0" (76.19mm)   | 5/16" (7.94mm)  |  |
| 1 X 3                                    | 3.0" (76.19mm)   | 1/2" (12.7mm)   |  |
| 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)  |  |
| 2-1/2 X 5                                | 4.0 (101.6mm)    | 5/8" (15.88mm)  |  |
| 3 x 6                                    | 4.0" (101.6mm)   | 5/8" (15.88mm)  |  |
| 4 X 6                                    | 4.0" (101.6mm)   | 9/16" (14.29mm) |  |
| 4 X 8                                    | 4.0" (101.6mm)   | 1" (25.4mm)     |  |
| 6 x 8                                    | 4.0" (101.6mm)   | 9/16" (14.29mm) |  |
| 6 X 10                                   | 4.0" (101.6mm)   | 1" (25.4mm)     |  |
| 6 X 10(S)                                | 4.0" (101.6mm)   | 9/16" (14.29mm) |  |
| 8 x 10                                   | 4.0" (101.6mm)   | 9/16" (14.29mm) |  |
| 8 x 12                                   | 5.0" (127.0mm)   | 1" (25.4mm)     |  |
| 8 X 12(S)                                | 5.0" (127.0mm)   | 7/8" (22.23mm)  |  |
| 10 X 14                                  | 5.0" (127.0mm)   | 7/8" (22.23mm)  |  |
| 10 X 16(S)                               | 5.0" (127.0mm)   | 7/8" (22.23mm)  |  |
| 12 X 16                                  | 5.0" (127.0mm)   | 7/8" (22.23mm)  |  |
| All Multiple Segments* (4" Differential) | 6.25" (158.75mm) | 1" (25.4mm)     |  |
| All Multiple Segments* (6" Differential) | 6.25" (158.75mm) | 1-1/2" (38.1mm) |  |

(S) = Somastic Coated Pipe

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

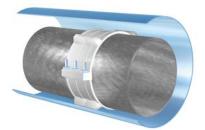


2-Piece For 3/4" to 12" (1.9 to 30.48cm).



Multi-Segment For 14" (35.56cm) and above.

### **Position In Casing**



Model PE Standard S = Standard



Circa. 1979, Model PE installed on steel pipe. Experience and today's application would target a steel casing spacer, or more PE's spaced at 6 ft. (1.83M).

<sup>\* =</sup> Download Model Size information from www.pipelineseal.com