



# ***CASING SPACERS***

***DESIGNED FOR  
WATER, SEWER, OIL & GAS***



The BWM Company • P.O. Box 414 • Forest City, North Carolina 28043  
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# BWM COMPANY

BWM will provide any type of casing spacer to fit your needs. We are uniquely positioned and we have years of experience and have thorough knowledge of your needs.

All of our casing spacers are engineered to meet any criteria that is required.

BWM is ready to answer your questions, provide you with quotes, and deliver your needs. We specialize in on time delivery, most within 24 hours and we work 24/7 for you.



- **BWM Company offers the following innovations**

All Runners are attached mechanically and can be changed in the field to adjust for grading or change of casing dimensions.

Stainless steel or carbon steel spacers are available with either 8-inch or 12-inch wide bands. Diameters are available from 3-inch through 120-inch. Runner configurations are available to match any application.

BWM offers an innovative line of polyethylene spacers. Polyethylene casing spacers are designed as an economical choice for pipes. The spacers are of an innovative design which allows for cutting in the field to adjust for sewer grades. Simple to install and economical.

BWM also offers a two piece all carbon steel *spyder* design. This is an economical and contractor friendly spacer. The *spyder* can be field adjusted by any contractor with a torch and welder.

- **BWM Company spacers are designed to ease installation of:**

- Concrete Pipe
- Ductile Iron Pipe
- Plastic Pipe
- Steel Pipe
- Polyethylene Pipe

- **BWM Company spacer will accommodate:**

- Mechanical Joint Pipe
- Push-On Pipe
- Restrained Pipe
- Welded Joint Pipe

- **BWM Company offers the following:**

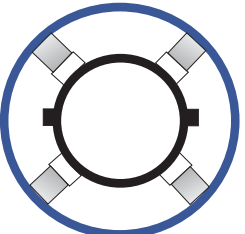
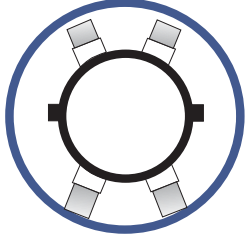
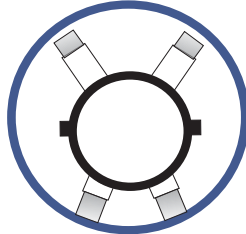
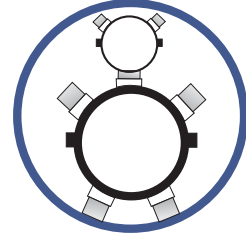
- Standard, Centered, or Restrained Positions, and Multiple designed spacers into one casing. Positioning gravity sewer to on grade requirements. Painted, epoxy or poly coated steel.

## ***Casing Spacers and End Seals designed for water or sewer pipelines.***

BWM casing spacers are a proven and dependable way to install pipe or pipes into a casing pipe. They will drastically reduce the overall cost by simplifying the assembly and speed of installation. BWM casing spacers eliminate the need to fill the casing annulus with sand, grout or pea gravel, which acts as an electrolyte that can introduce unwanted current to the steel or ductile iron casing pipe.

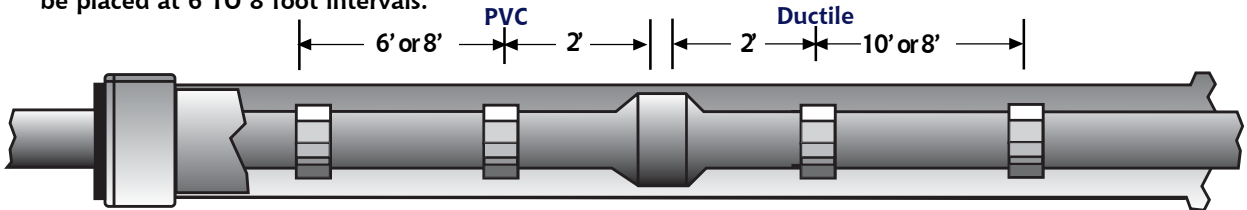


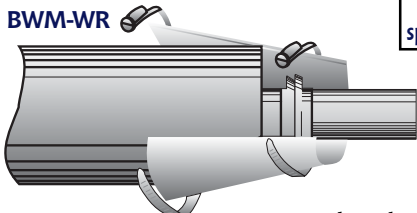
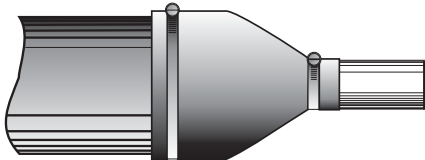
## BASIC POSITIONS

			
<p><b>Clear Bell or Equal Legs:</b> Assists installation and carries slip joint bells or restrainer at least 3/4 inch off casing wall. Maintains dielectric insulation. No restraint against movement such as flotation or surge pressure bucking.</p>	<p><b>Centered &amp; Restrained:</b> Positions carrier in center of casing. Provides restraint against movement. Best for mechanically restrained pipe joints.</p>	<p><b>Non Centered &amp; Restrained:</b> Restrains against movement. Designed to clear bell.</p>	<p><b>Multiple &amp; Restrained:</b> Reduces bores in crossings by carrying more than one service.</p>

## PLACEMENT OF SPACERS ON CARRIER PIPE

- **Standard-** One spacer shall be placed not more than two feet from each end of the casing. Subsequent spacers shall be placed at 10-foot intervals within the casing.
- **PVC Carrier-** One spacer shall be placed on the spigot end of each segment. Subsequent spacers shall be placed at 6 TO 8 foot intervals.



 <p><b>BWM-WR</b></p>	<p><b>BWM-End Seals Model BWM-PO &amp; BWM-WR</b> specifications and certificate of compliance</p> <p>Temperature Limits: -20F to 221F Color: Black Finish: Smooth Durometer: 65 shore A +/- 5 Elongation: 250%</p>	 <p><b>BWM-PO</b></p>
<p><b>BWM end seals either Pull-On, (BWM-PO) or Wrap around (BWM-WR) is manufactured of 1/8" thick, neoprene rubber, assuring excellent chemical resistance and resiliency. All end seals include 1/2" wide T304 stainless steel banding with non-magnetic worm gear mechanism.</b></p>		

## The BWM Spyder

This spacer is manufactured entirely of ASTM A-36 steel. All joints are MIG welded and the coating is to AWWA C-210 specifications. All Spyder spacers can be field adjusted by cutting and field welding.



# Model KP Poly Spacer



## THE BEST POLY SPACER AVAILABLE

- Simple to Install
- No Special Tool Required
- Extra Strong
- Solid Construction
- Nut is built into Mold

The KP poly spacers are molded in two sections, and designed for simple field installation. The legs are solid and will not collapse, wear, or tear when pushed into the casing. They require only a screwdriver to assemble using using integrated threaded inserts with stainless steel hardware. To prevent slippage on the ductile size pipe we have molded grooves on the inner surface. For SDR-35 sewer pipe and IPS pipe we use a rubber inner liner to prevent slippage.

The KP poly spacers are specifically designed to center the bell inside the casing pipe. In the event that the casing pipe is undersized or off grade, *the molded legs can be manually cut on the cutting guides built into every leg.* This is a BWM exclusive, which makes stocking our spacers a breeze.

## Model KP Poly Spacer MATERIAL SPECIFICATIONS

- **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) <0.01%
- **MAX. CONTINUOUS OPERATING TEMP.**  
225°F

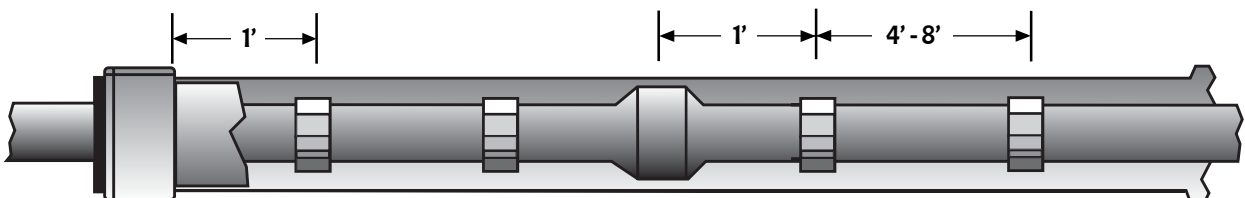


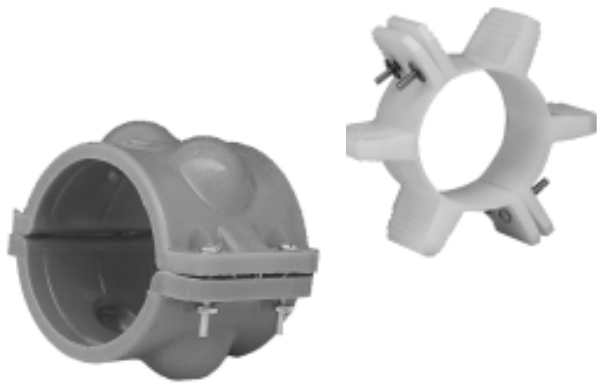
DUCTILE SIZE			
Model No.	Size	Diameter Over Runners	No. of Runners
KP-4.80	4.80	9.125	6
KP-6.90	6.90	10.930	6
KP-9.05	9.05	14.435	6
KP-11.10	11.10	16.250	6
KP-13.20	13.20	18.125	6

SDR-35 Sewer Pipe			
Model No.	Size	Diameter Over Runners	No. of Runners
KP-4.22	4.22	9.125	6
KP-6.28	6.28	10.930	6
KP-8.40	8.40	14.435	6
KP-10.50	10.50	16.250	6
KP-12.50	12.50	18.125	6

Contact factory for other designs.

The BWM Model KP casing spacers is designed to support the pipelines without deformation of the legs. For proper installation the spacers should be installed 1 foot from each casing end, Install a spacer 1-foot from the pipe bell and every 4 - 8 feet on the pipe barrel.





# Model KC Poly Spacer

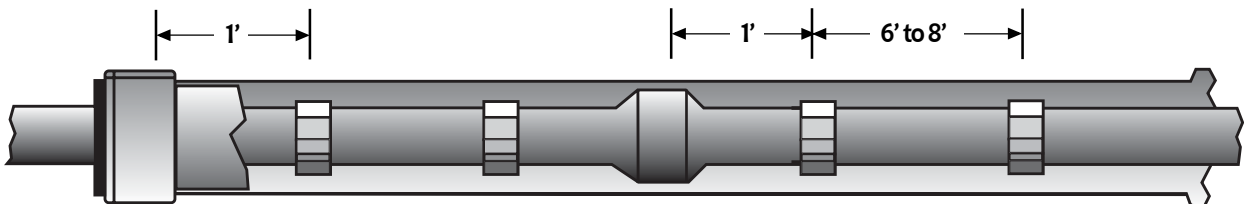
The Model KC injection-molded casing spacers are designed for IPS pipe. The spacers are fabricated in two sections for pipe up to 12 inches. Size 2" & 3" have molded grooves on the inner surface to prevent slippage on the pipe. Other sizes have a rubber liner.

## Model KC Poly Spacer MATERIAL SPECIFICATIONS

- **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) <0.01%
- **MAX. CONTINUOUS OPERATING TEMP.**  
225°F

IPS PIPE				
Model No.	Size	Min. casing	Diameter over runners	No. of runners
KC-2	2	4"	3.682	8
KC-3	3	6"	5.434	8
KC-4	4	6"	5.682	4
KC-6	6	10"	8.625	4
KC-8	8	12"	11.310	4
KC-10	10	14"	12.682	4
KC-12	12	16"	14.682	4

The BWM Model KC casing spacers is designed to support the pipe with spacer placement every 6 to 8 feet.



### Warranty

The BWM Company warrants all products against defects in material or workmanship for a period of one year from receipt of order. The BWM Company is not liable or responsible for any loss damage or injury to any person or property directly or indirectly arising from the use of our products. No claims of labor or damage will be allowed. No other warranties whether written, oral or implied. Customer assumes all liability in the handling, use and application of our products.

**PRESENTED BY**

### Other Products Available

**PIPE SEALS  
PIPE SLEEVES  
VENT PIPES**



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