



NON-METALLIC CASING SPACERS

DESIGNED FOR WATER, SEWER, OIL & GAS



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

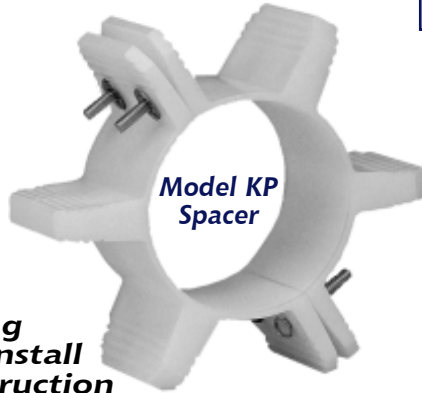
BWM offers the most complete line of poly spacers, they give you an economical advantage for all types of pipes sized between 1-inch through 16-inch diameters. *BWM does not recommend larger pipes being installed with anything other than a steel constructed spacer, due to the weight and stress encountered during installation.*

The Model KC spacers

is for IPS pipe 1" through 12". This is a two piece design used to clear the solvent weld sleeve and has grooves on the inner surface to prevent slippage on the pipe.



Model KC Spacer



Model KP Spacer

- **Extra Strong**
- **Simple to install**
- **Solid Construction**
- **Nut is built into Body**
- **No special Tools Needed**

The Model KP spacers is a two piece design used for simple field installation. The legs are solid and will not collapse or wear out during installation. The KP poly spacer is specifically designed to center the bell inside the casing pipe. They require only a standard screwdriver to assemble using an intergrated threaded insert to assemble. To prevent slippage we have molded grooves on the inner surface. In the event the casing pipe is undersized or off grade, the molded legs can be manually cut on the cutting guides molded into every leg. The model KP are designed for use on sewer, C905 and IPS pipe 4" through 12".

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

Model KP/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**

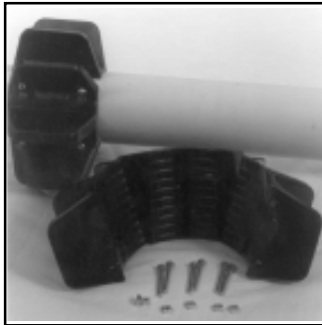
DUCTILE SIZE			
Model No.	Size	Diameter Over Runners	No. of Runners
KP-4.80	4.80	9.125	6
KP-6.90	6.90	10.930	6
KP-9.05	9.05	14.435	6
KP-11.10	11.10	16.250	6
KP-13.20	13.20	18.125	6

STANDARD IPS			
Model No.	Size	Diameter Over Runners	No. of Runners
KP-4.50	4.50	9.125	6
KP-6.625	6.625	10.930	6
KP-8.625	8.625	14.435	6
KP-10.75	10.75	16.250	6
KP-12.75	12.75	18.125	6

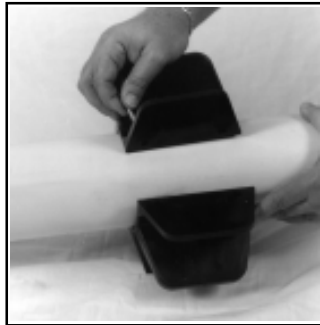
SDR-35 Sewer Pipe			
Model No.	Size	Diameter Over Runners	No. of Runners
KP-4.22	4.22	9.125	6
KP-6.28	6.28	10.930	6
KP-8.40	8.40	14.435	6
KP-10.50	10.50	16.250	6
KP-12.50	12.50	18.125	6

The Model BP is an exclusive design of BWM. These spacers come in two different radius sections, with six different runner heights. These runner heights are molded at our factory for strength and will not fail such as welded runners. They can be formed with three or more sections to form any radius from 3” through 16”. Please use the chart below to arrive at the correct combination of sections to form the size required for your installation. The BP spacers are molded with grooves internally to prevent slippage on the pipe, but we can add two rubber non-slip pads to each section for added tightness. Runner heights may be interchanged or field cut to adjust for grade. No special tools are required to assemble the BP spacers.

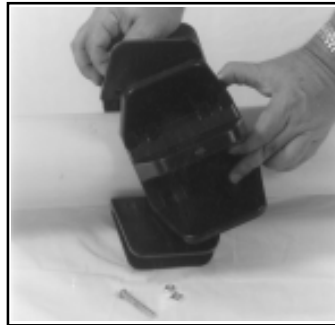
Installation of BP spacers is very simple. Pre-assemble the correct sections, by hand tightening the sections together, leaving the last two bolts disconnected. Wrap the sections around the carrier pipe in the proper location and tighten the remaining two bolts together, while going back and tightening all other allen head bolts leaving the same gap between all segments,



Lay out required sections with allen bolts and nuts



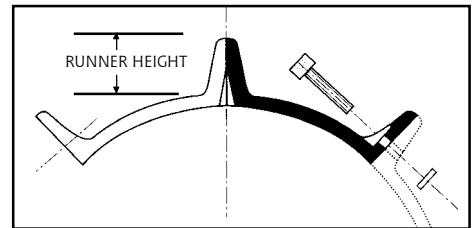
Loosely attach sections leaving last section



Place all sections around pipe and pull down allen bolts

To size, find the diameter of the pipe on the left column. Go straight across to the diameter of the casing, when you find a match look up to the runner height. Then look at the column on the right to find the number of segments required.

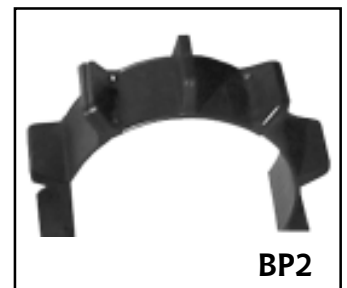
EXAMPLE: 6 inch DIP into 12 inch casing. This requires 5 sections of type BP-1 with 2.0 runner height.



- 1.00 = 1 inch
- 1.50 = 1½ inch
- 2.00 = 2 inch
- 2.5 = 2½ inch
- 3.5 = 3½ inch
- 4.5 = 4½ inch

Pipe Size & Type of Pipe	Casing Size						Type BP-1	Type BP-2
	Runner Height							
	-1	-1.5	-2.00	-2.5	-3.5	-4.5	number of segments	
3 DIP	8	8	10		12		3	
4 SDR		8		10	12	14	3	
4 IPS	8		10	12		14	3	
4 DIP	8		10	12	14	16	3	
5 IPS		10		12	14	16	4	
6 SDR		10		12	16		4	
6 IPS	10		12	14	16		4	
6 DIP	10		12	14	16	18	5	
8 SDR	12		14	16	18	20	5	
8 IPS	12		14	16	18	20		3
8 DIP	12		14	16	18	20		3
10 SDR	14		16	18	20	24	1	3
10 IPS	14		16	18	20	24		4
10 DIP			16	18	20	24		4
12 SDR			18	20		24	1	4
12 IPS			18	20		24	1	4
12 DIP		18		20		24	1	4
14 IPS			20		24			5
14 DIP			20		24	30	1	5
15 SDR					24	30	1	5
16 DIP				24		30		6

Each BP1 or BP2 segment comes with different runner heights.



SPECIFICATIONS & CERTIFICATE OF COMPLIANCE

Casing Spacer Model BP

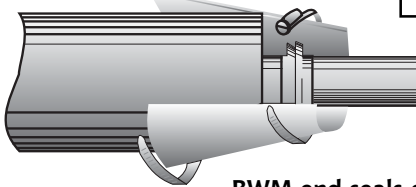
The casing spacer shall be made from high molecular HDPE, NSF approved, pipe grade plastic. The casing spacer shall have integrally molded runners that extend beyond the bell or mechanical joint. Each runner shall be solid core and the top runners shall be within 1.5-inch of the casing. The spacer shall be made from three or more segments that form a cylinder 3.85-inch through 17.40-inch. the spacer shall be BWM model BP as manufactured by BWM Co. Forest City, NC. bwmcompany.com

Model BP Poly Spacer MATERIAL SPECIFICATIONS HIGH MOLECULAR WEIGHT HDPE

- TENSILE STRENGTH D 638 3300 psi
- SHORE HARDNESS D 2240 63
- MAX/MIN WORKING TEMP. 225°F / -180°F
- FLEXURAL STRENGTH/Modulus D-790 115,000 psi
- NSF approved for potable water

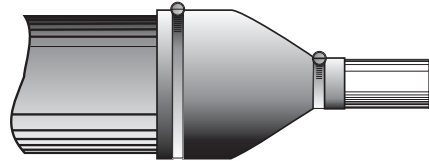
BWM-End Seals Model BWM-PO & BWM-WR specifications and certificate of compliance

BWM-WR



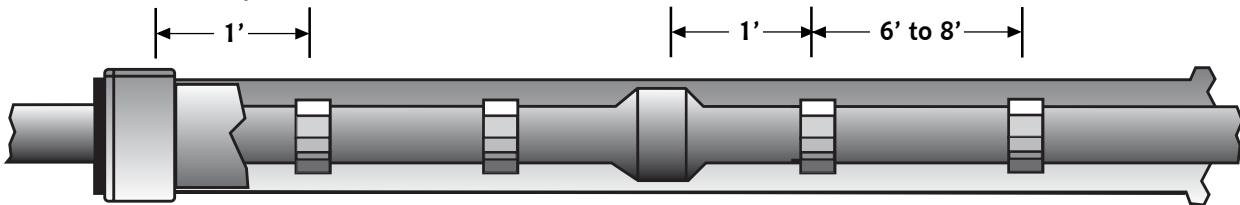
Temperature Limits: -20F to 221F
 Color: Black
 Finish: Smooth
 Durometer: 65 shore A +/- 5
 Elongation: 250%

BWM-PO



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.

The BWM Model PVC 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**

