

# Marman Seals and Couplings

from

# PowerSeal Solutions

A PowerRail Quality Company

***"Uniting Innovation, Engineering, Manufacturing and Distribution"***

PowerSeal Solutions™ is pleased to announce our new line of Marman Seals that offer exceptional reliability and STOPS LEAKS.

Our B-SureSeal Marman Seals are injection molded without any fillers, offering a pure and high-precision fit with true reliability. Made with new FKM and Viton® compounds, these seals have exceptional chemical resistance and improved performance over the competition.

Per ASTM D412-16 and D2240-15 testing, the PowerSeal B-SureSeal Marman Seals have greater tensile strength, superior elongation characteristics, and half of the compression set when compared to other seals on the market.

This independent laboratory testing has shown the PowerSeal B-SureSeal Marman Seals to have improved physical properties, which directly translates into improved performance.

- Made with pure FKM and Viton® A-type Family material - NO fillers
- Injection molded for pure and high-precision fit with true reliability
- Superior performance through operating temperatures from -20°F to +400°F
- Resistance to oil, fuel, and additives
- Remains flexible in service and won't "set" like standard seals

PowerRail also offers a full line of Marman Couplings and OEM grade and upgraded Viton® Power (High Temperature) Seals.



**POWERRAIL**

205 Clark Road  
Duryea, PA 18642

Phone: 570-883-7005  
Fax: 570-883-7006  
Sales@ePowerRail.com



**See Page 2 for Part Numbers and Specs**

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Pipe is always measured by the Outside Diameter (O.D.).  
Because a Marman Seal sits on the outside of the pipe, the I.D. of the Seal will be approximately the same size as the O.D. of the pipe.

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<u>Seal Part #</u>	<u>Pipe Size</u>	<u>Pipe O.D.</u>	<u>Pipe I.D.**</u> (approx.)	<u>Seal I.D.</u>
TBA	3/8"	0.675"		
E8479542PS*	1/2"	0.84"	0.5"	0.809"
E8479543PS*	3/4"	1.05"	0.75"	1.019"
E8479544PS*	1"	1.315"	1"	1.284"
E8479598PS*	1 1/4"	1.66"	1.25"	1.629"
E8479599PS*	1 1/2"	1.90"	1.5"	1.869"
E8479600PS*	2"	2.375"	2"	2.344"
E8479601PS*	2 1/2"	2.875"	2.5"	2.844"
E8479602PS*	3"	3.50"	3"	3.469"
E8479603PS*	3 1/2"	4.00"	3.5"	3.969"
E8479604PS*	4"	4.50"	4"	4.469"
E40068473PS*	5"	5.563"	5"	5.546"
E8406231PS*	6"	6.625"	6"	6.625"

\*PS1 Black Nitrile, PS2 VPS B-SureSeal

\*\* NOTE, I.D. IS AN APPROXIMATE MEASUREMENT FOR SCH. 40 PIPE.



**COUPLING ASSEMBLY**

**COMPONENT REFERENCE**

<u>Pipe Outside Diameter</u>	<u>Assembled Coupling Length</u>	<u>Complete Assembly (OEM Part No.)</u>	<u>Seal (OEM Part No.)</u>
0.5"	4.50"	8476711	8479519
0.5"	4.50"	9559888	8479519
0.75"	2.50"	8479674	8479520
0.75"	4.50"	8470605	8479520
1.00"	2.875"	8470340	8479521
1.00"	6.00"	8476174	8479521
1.00"	7.50"	8472849	8479521
2.00"	4.00"	8474757	8479524
2.00"	7.50"	8479676	8479524
2.50"	4.00"	8392458	8479525
2.50"	6.50"	8472617	8479525
2.50"	12.50"	8472616	8479525
2.50"	23.00"	8275374	8479525
2.50"	26.00"	8284779	8479525
2.50"	4.00"	9516671	8479525
3.00"	6.50"	8471160	8479526
3.00"	12.50"	8468179	8479526
3.00"	90°	8455470	8479526
4.00"	7.50"	8252895	8479528
4.00"	6.50"	8474741	8479528
4.00"	12.50"	8470341	8479528
4.00"	6.50"	8347788	8479528
5.00"	6.50"	9559099	

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