



# RFS<sup>tm</sup>

## Reduced Friction Seal



**PRELUBRICATED GASKETS for PIPE and PRECAST PRODUCTS**

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### What It Is

**RFS Prelubricated Pipe Gasket** is the latest development in pipe joint sealing technology. Using a precision extrusion, the gasket is spliced, tested and filled with an internal lubricant that doesn't solidify or need to be replaced. The **RFS** design allows concrete pipe joints to be assembled quickly and easily.



### How It Works

**RFS Prelubricated Pipe Gasket** has superior materials and technology

- Specially developed synthetic rubber is continuously tested and lab-certified
- RFS is easy to apply to the spigot of the pipe and requires no equalization
- RFS is self-centering and has low installation force
- The mantle of the RFS Gasket fits between the concrete, cushioning the joint
- Special viscosity silicone lubricant to reduce joint homing forces

### Why It's Better

- Installs easily and neatly on the pipe spigot
- Requires no external lubrication or equalization
- Installs faster and easier, so less time in the ditch
- Has no external lubricant, so pipe joint stays cleaner during handling and assembly

### How It Performs

**RFS Prelubricated Pipe Gaskets** meet or exceed all requirements of the following Specifications and/or Test Methods:

**ASTM C 1619 (Classes C and E) - Standard Specification for Elastomeric Seals for Joining Concrete Structures**

**ASTM C 443 - Standard Specification for Joints for Concrete Pipe and Manholes, Using Rubber Gaskets**

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**PRESS-SEAL GASKET CORPORATION**

*Protecting Our Planet's Clean Water Supply*

Press-Seal Gasket is an ISO 9001:2008 and ISO 14001:2004 Registered Company

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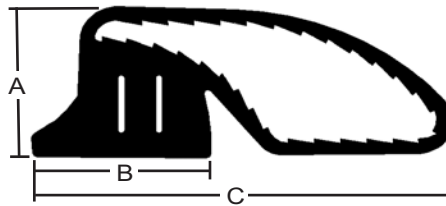
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## PRELUBRICATED GASKETS for PIPE and PRECAST PRODUCTS

### TYPICAL DIMENSIONAL MEASUREMENTS



Profile Designation	Body Height "A"	Body Width "B"	Total Width "C"	Annular Space	
				Gasket	Pipe
RFS-135	0.650 (16.5 mm)	0.724 (18.4 mm)	1.607 (40.8 mm)	0.326 (8.3 mm)	0.126 (3.2 mm)
RFS-165	0.755 (19.2 mm)	0.825 (21.0 mm)	1.954 (49.6 mm)	0.446 (11.3 mm)	0.146 (3.7 mm)
RFS-175	0.685 (17.4 mm)	0.743 (18.9 mm)	1.288 (32.7 mm)	0.446 (11.3 mm)	0.146 (3.7 mm)
RFS-185	0.798 (20.3 mm)	0.938 (23.8 mm)	2.110 (53.6 mm)	0.446 (11.3 mm)	0.146 (3.7 mm)
RFS-186	0.780 (19.8 mm)	0.959 (24.4 mm)	2.161 (54.9 mm)	0.446 (11.3 mm)	0.094 (2.4 mm)
RFS-200	0.825 (21.0 mm)	0.960 (24.4 mm)	2.130 (54.1 mm)	0.500 (12.7 mm)	0.146 (3.7 mm)
RFS-225	0.960 (24.4 mm)	1.047 (26.6 mm)	2.770 (70.4 mm)	0.525 (13.3 mm)	0.175 (4.4 mm)

NOTE: DIMENSIONS ARE FOR NOMINAL MATERIAL. ACTUAL MEASUREMENTS WILL VARY WITH MANUFACTURING TOLERANCES.

### TYPICAL PHYSICAL PROPERTIES

TYPICAL TEST RESULTS for RFS Gaskets - ASTM C 1619 Class E (ASTM C 1619 Class C and ASTM C 443)			
Test	ASTM Test Method	Test Requirements	Typical Result
TENSILE STRENGTH	D 412	1800 PSI MIN. (1200 PSI MIN.)	2050 PSI
ELONGATION AT BREAK	D 412	425% MIN. (350% MIN.)	650%
SPECIFIED HARDNESS	D 2240 (SHORE A DUROMETER)	±5 FROM THE MANUFACTURER'S SPECIFIED HARDNESS	<2
OVEN-AGE TENSILE REDUCTION	D 573, 70± 1°C FOR 96 HOURS	DECREASE OF 15% MAX. OF ORIGINAL	+2% CHANGE
OVEN-AGE ELONGATION REDUCTION	D 573, 70± 1°C FOR 96 HOURS	DECREASE OF 20% MAX. OF ORIGINAL	-2% CHANGE
COMPRESSION SET	D 395, METHOD B, AT 70°C FOR 22 HRS	DECREASE OF 20% (25%) MAX. OF ORIGINAL DEFLECTION	14%
WATER ABSORPTION	D 471, IMMERSE 1-INCH SPECIMEN IN DISTILLED WATER AT 70°C FOR 48 hrs	INCREASE OF 5% (10%) MAX. OF ORIGINAL BY WEIGHT	2.70%
OZONE RESISTANCE	D 1149, 50 PPHM	NO CRACKS	PASS
SPLICE STRENGTH	D 2527, Class 3	CLASS 3: 100% ELONGATION OF SPLICE	PASS

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Made in USA



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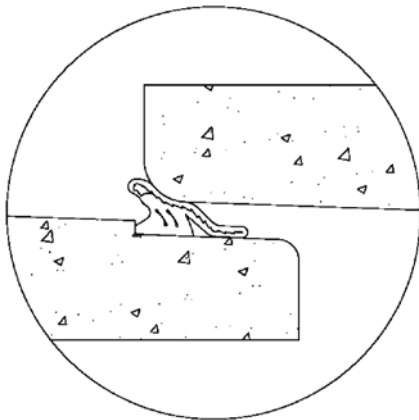
## PIPE ASSEMBLY AS EASY AS 1...2...3

### Step 1

Stretch RFS Gasket onto spigot of pipe, making sure that mantle is laying smoothly toward end and that gasket body is firmly against shoulder of spigot.

### No Lubricant Needed

*The RFS Prelubricated Gasket has all the lubricant it needs inside the sealed mantle. Joints slide together quickly and easily.*



### Step 2

Center pipe spigot and bell, and evenly and smoothly press spigot into bell. Gasket mantle will help center the pipe joint as the mantle moves into clearance

### Self-Centering Design

*The RFS Prelubricated Gasket requires no equalization. It automatically adjusts during application and then helps center the joint during assembly.*

### Step 3

Complete assembly until pipe joint is home. Mantle moves into recess behind gasket, cushioning the joint while allowing joint to deflect. Complete installation by following pipe manufacturer's recommended bedding and backfilling practices.

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