

# SUBMITTAL — AB&I Foundry TY–SEAL Gaskets



## Hub & Spigot TY–SEAL Compression Gaskets

Size	Unit Weight	Carton Qty	Carton Wt
2	.3	60	18
3	.4	40	16
4	.6	40	24
5	1.2	30	35
6	1.4	30	40
8	1.6	20	34
10	2.0	10	22
12	2.5	10	28
15	3.8	10	40

### Description

TY–SEAL is a one piece compression gasket. It is used for joining hub & spigot cast iron soil pipe and fittings made according to ASTM A 74.

### Gasket Material

TY–SEAL gaskets are made of Neoprene® as the sole elastomer. The physical characteristics of the Neoprene ensure that the gasket will not decay or deteriorate from contact with effluents in the pipe or chemicals in the soil or air around the pipe.

### Gasket Specification

TY–SEAL gaskets conform strictly to ASTM Standard C 564, latest issue. The TY–SEAL mil specifications meet or exceed all requirements.

### Pipe Specification

Hub & Spigot cast iron soil pipe and fittings comply with the latest issue of ASTM A 74, ANSI A 112.5.1 and Federal Specification WW-P–401 E.

### Joint Characteristics

TY–SEAL gasket joint will not leak even if deflected as much as 5° or when subjected to vibration, seismic tremors, expansion, contraction, external or internal test pressure.

### Quality Control

Company laboratory tests ensure than finished gaskets conform to all specifications.

### Availability of Products

Cast iron soil pipe and TY–SEAL gaskets are sold through recognized plumbing distribution channels.

### Plumbing Codes

National plumbing codes and government agencies now provide for gasket joints.

### Documents

Certificates and reports validating all statements contained herein will be supplied on written request.

### SUGGESTED SPECIFICATION:

All 2" through 15" hub & spigot cast iron soil pipe and fittings shall conform to ASTM A 74; joints shall be made either by caulked lead and oakum or by compression gaskets such as TY–SEAL which conform to ASTM C 564.

# SUBMITTAL — AB&I Foundry TY–SEAL Gaskets

## Physical Properties of TY–SEAL Gaskets

Physical Property	Test Method	Performance Requirement
Hardness, durometer A Tensile Strength Elongation Break Tear Resistance	ASTM D 2240 ASTM D 412 ASTM D 412 ASTM D 624 (Die C)	70 ± 5 points 1500psi maximum 250% minimum 150 pounds per lin. inch, minimum
Resistance to Heat Aging Change in original properties after 96 hours at 158°F Hardness Elongation Tensile Strength	ASTM D 573	± 10 points, maximum -20% maximum -15% maximum
Resistance to Oil Aging Change to volume after 70 hours immersion in ASTM Oil No. 3 at 212°F	ASTM D 471	80% maximum
Resistance to Ozone Condition after exposure to 150 pphm ozone in air for 100 hours at 140°F (40°C) (sample under 20% strain)	ASTM D 1149	No cracks
Resistance to permanent set Compression set after 22 hours at 158°F Compression set after 22 hours at 14°F	ASTM D 395 (Method B) ASTM D 1229	25% maximum 60 maximum

### Installation Sequence

