



# TSS Series

Tylox® SuperSeal™ Pre-lubricated Profile Gaskets for Single Offset Joints on Round, Elliptical or Arch Concrete Pipe

*Say good-bye to the lube bucket and brush.  
Say hello to a fast, clean, simple installation.*

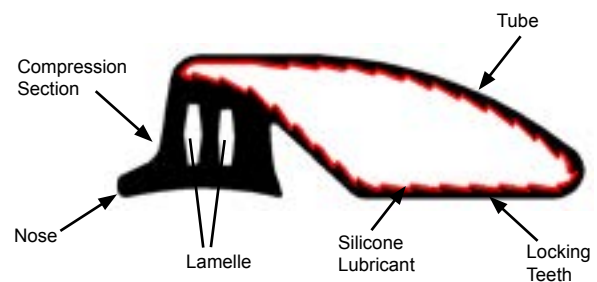
The unique design of the Tylox® SuperSeal™ pipe gasket is bringing a cost-saving revolution to the field of concrete pipe gasketing and installation.

- **No field lubrication.** The Tylox® SuperSeal™ gasket has a thin layer of silicone lubricant installed on the inner surface of the tube during the manufacturing process, so no lube is applied at the job site. This saves time and money during installation. The lubricant is sealed in the tube so is impervious to mud, dirt and debris so, if the gasket is dropped in the trench, simply wipe the gasket surface clean and you are ready to install.
- **No equalization required.** The unique lamell/rolling-tube design of the Tylox® SuperSeal™ gasket means reduced gasket stretch requirement, resulting in no equalization and reduced labor needs during installation. A quick and easy gasket installation provides even more time and money savings, and no more worries about the chance of this step being overlooked at the job site.
- **No gasket “roll” or “twist”.** Another benefit of the unique lamell/rolling-tube design is the drastic reduction in insertion forces, virtually eliminating the gasket “roll” and “twist” associated with o-ring and standard profile gaskets. Manual coupling of up to 36” pipe is possible.
- **Self-Centering.** The rolling-tube design enables the pipe spigot to self-center within the bell due to the forces generated as the tube rolls into and fills the small annular space during the homing process.
- **No Joint Kick Back.** The small teeth within the rolling tube “lock” under rearward motion, resisting pull-out forces and maintaining the “homed” position.



- **Reduced deflection.** The rolling tube acts as a “filler” within the small annular space between spigot and bell, both reducing the amount of deflection under side-load, and acting as a buffer to eliminate spigot and bell spalling due to concrete-to-concrete contact.

Tylox® SuperSeal™ gaskets are available for all common combinations of annular and total annular spaces.



**Making Infrastructure Watertight Today  
for a Greener, Sustainable Tomorrow**

Available Models					
Model	Body Height	Body Width	Total Width	To Suit * Annular Space	
				Total	Small
115**	0.490	0.600	1.185	0.281	0.094
135	0.610	0.712	1.579	0.326	0.126
165	0.682	0.791	1.785	0.422	0.146
166**	0.680	0.780	1.615	0.422	0.094
170	0.682	0.808	1.290	0.375	0.126
185	0.740	0.896	2.061	0.446	0.146
186**	0.758	0.890	1.631	0.446	0.094
200	0.798	0.950	1.793	0.500	0.146
200L	0.885	1.049	2.549	0.500	0.175
201**	0.807	0.949	1.964	0.500	0.094
225	0.914	1.085	2.787	0.525	0.175
226**	0.900	1.048	2.318	0.525	0.094
245	0.965	1.120	2.010	0.590	0.190

\* For informational purposes only. Consult your Hamilton Kent representative for sizing to suit your specific joint details.  
\*\* These models do not have locking teeth.

### Materials and Identification

Tylox® SuperSeal™ gaskets are manufactured from a variety of synthetic rubber compounds to meet or exceed the material requirements of ASTM C361, C443, C425, C1619 and CSA A257.3.

The applicable specification(s) and usage mode for a particular gasket are identified by a colored stripe around the periphery of the gasket:

#### Standard

ASTM C443, C1619 Class C, CSA A257.3 White Stripe  
ASTM C361, C1619 Class A, CSA A257.3 Blue Stripe  
ASTM C425, California Greenbook Green Stripe

#### Oil-Resistant

ASTM C443, C1619 Class D, CSA A257.3 Orange Stripe  
Nitrile rubber  
ASTM C443, C1619 Class D, CSA A257.3 Yellow Stripe  
Neoprene rubber

The above listing covers the standard, North American specifications. Gaskets materials are available to meet many other specifications. Please consult your Hamilton Kent representative regarding materials to meet your particular specifications.



### Pressure Rating

Tylox® SuperSeal™ gaskets are suitable for use in systems with up to 13 psig (30 ft Head) pressure requirements. Higher head pressures have been obtained with certain joint designs.

### Installation

1. Ensure that bell and spigot are free from cracks, chips, or other defects.
2. Brush loose dirt and debris from the inside surface of the bell, the spigot and the gasket.
3. Stretch gasket around the spigot, with the nose against the step, and the tube laying flat against the spigot.



4. Do not lubricate the gasket or joint as this could adversely affect the performance of the gasket and the joint.
5. Align the spigot with the bell, ensuring that the gasket is in contact with the bell around the complete periphery, then thrust pipe home using suitable manual or mechanical means. The homing process will cause the lubricated tube to roll over itself, above the compression section, allowing the pipe to slide forward.

Once fully homed, the compression section seals the total annular space; the rolling tube comes to rest within the small annular space acting as a cushion against side loads; and the tube acts to resist pipe pull-out.



TEL: (800) 268 8479  
FAX: (888) 674 6960  
WEB: [www.hamiltonkent.com](http://www.hamiltonkent.com)  
E-MAIL: [sales@hamiltonkent.com](mailto:sales@hamiltonkent.com)

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