

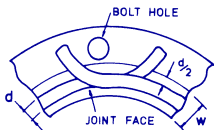


# Sealex<sup>®</sup>

## Installation Guide

### **Easy to use Sealex**

1. *Make sure that the sealing flanges are clean.*
2. *Cut off a length of Sealex just a little longer than the actual circumference of the perimeter of the seal.*
3. *Peel off the adhesive protection strip and press the Sealex into position. Cross the two free ends of the Sealex adjacent to the bolt hole with a short overlap.*



4. *Bolt up the mating surfaces using the recommended clamping force and bolt tightening patterns.*

### **Sealex joint sealant can be used wherever reliable gasketing is required.**

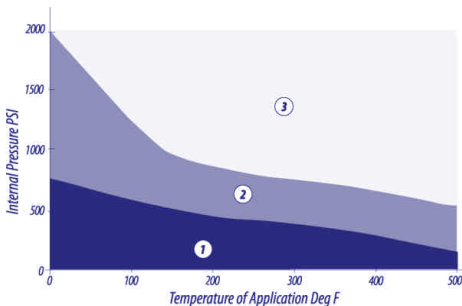
- Fume ducts • Concrete lids • Glass joints • Heat exchangers
- Fiberglass reinforced plastic vessels • Pump or compressor housing flanges
- Steam vessel flanges • Ceramic joints • Water systems • Valves and piping

**Thermoseal Inc.**  
2350 Campbell Road  
Sidney, OH 45365

Phone: 800-990-SEAL (7325)  
FAX: 937-498-4911  
[www.thermosealinc.com](http://www.thermosealinc.com)

### Nominal Pressure/ Temperature Curves for Sealex

- ① Suitable for gas and liquid
- ② Suitable for liquid only
- ③ Refer to Thermoseal Technical Services



**Sealex® Pressure/Temperature Curves**

### Size selection/torques required to seal ANSI 150 lb flanges

Nominal Flange Size (in)	Number of Bolts (N)	Bolt Size (in)	*Approx. Sealex Length (in)	Recommended Sealex Size (in)	Sealing Stress (lbs/in)	Torque (lb/ft)
1/2	4	0.5	4.3	3/16	1570	30
3/4	4	0.5	5.2	3/16	1570	30
1	4	0.5	6.2	3/16	1570	30
1 1/4	4	0.5	7.4	3/16	1570	30
1 1/2	4	0.5	8.3	1/4	2140	30
2	4	0.625	10.2	1/4	2140	60
2 1/2	4	0.625	12.2	1/4	2140	60
3	4	0.625	13.9	1/4	2140	60
4	8	0.625	17.9	3/8	2620	60
5	8	0.75	20.9	3/8	2760	100
6	8	0.75	24.1	3/8	2625	100
8	8	0.75	30.9	3/8	2625	100
10	12	0.875	37.9	3/8	2750	160
12	12	0.875	45.4	1/2	3000	160

\* Based on mean sealing diameter

Where  $\mu = 0.2$  (Bolt friction coefficient);

S = total clamping force (lbs force);

N = Number of bolts;  $\mathcal{A}$  = Bolt diameter (in)

$$\text{Torque (lb/ft)} = \frac{\mu \times S \times \text{Bolt } \mathcal{A}}{12 \times N}$$