



ANTI-SEIZE TECHNOLOGY
A.S.T. Industries, Inc.

TECHNICAL DEPARTMENT HOW TO APPLY

PRODUCT: *POLY-TEMP® PTFE /UHF Joint Sealant*

SUBJECT: General Guideline for Size Selection, Positioning and Installation

To ensure successful sealing using *POLY-TEMP® PTFE/UHF Joint Sealant*, the following factors should be considered:

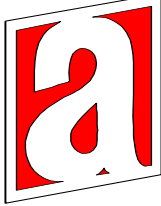
- appropriate size selection
- appropriate installation involving positioning, and overlapping technique

1. Typical Size Selection Reference

Standard Size Flanges		Non-standard Size Flanges	
150-300 lb ANSI Flanges	Use this size	Sealing Width	Use this size
1/2" - 3/4"	1/8"	1/8" - 1/4"	1/8"
1" - 1-1/2"	3/16"	5/16" - 3/8"	3/16"
2" - 3-1/2"	1/4"	7/16" - 5/8"	1/4"
4" - 6"	3/8"	3/4" - 1"	3/8"
8" - 16"	1/2"	1-1/8" - 1-1/2"	1/2"
18" - 20"	5/8"	1-5/8" - 2"	5/8"
24" - 36"	3/4"	2" - 2-1/2"	3/4"
36" - 60"	1"	2-1/2" - 3"	1"
Above 60"	2"	Above 3"	2"

2. General Installation Guideline

- Choose *POLY-TEMP® PTFE /UHF Joint Sealant* that is approximately 1/3 to 1/2 the width of the sealing surface, or following the above selection references.
- Peel off the adhesive backing and apply it around the flange inside the bolt circle, as shown in Fig. 1, an example for flat-face flanges¹. Joint Sealant should be close to the inner edge of the bolt holes and no more than half the width of the joint sealant away from the bolt holes.
- Crossover overlap ends of the Joint Sealant at a bolt hole² (Fig. 1), with the two ends completely crossed with the tails of at least 3/4" and well past the center of the bolt hole.
- Follow standard torquing sequence to tighten.



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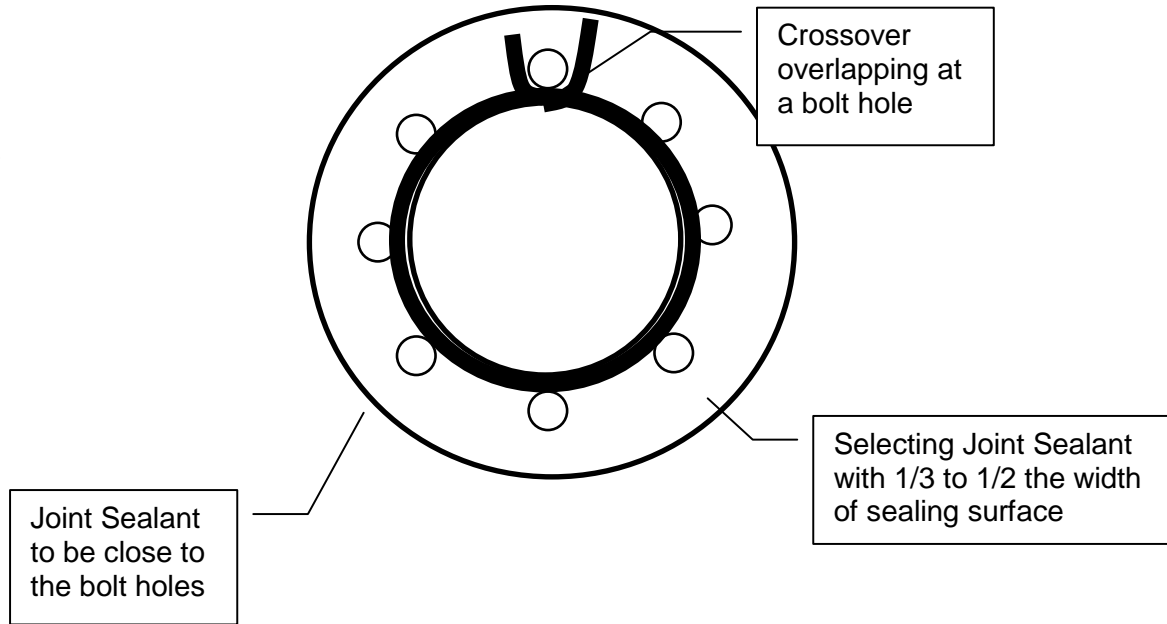


Fig. 1. Schematic illustration for selection, positioning, and overlapping of POLY-TEMP® PTFE/UHF Joint Sealant

Note:

¹Special requirements may be applied for different flange types. Please consult Inertech, Inc. for further details.

²When space does not allow cross-over overlapping, the lap-over overlapping technique (Fig. 2) can be used. The overlap length should be greater than the width of the joint sealant, but no more than twice the width. The overlap should be located at a point across from a bolt hole.

Fig. 2. Schematic illustration of lap-over overlapping technique



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