

ALP® X-SLIDE™ AND ISO-SLIDE™ - SLIDE BEARING PADS



ALP X-Slide™ and Iso-Slide™ bearing pads are manufactured with a Polytetrafluoroethylene (PTFE) sheet permanently bonded to either an Isoflex™ or X-CORD™ bearing pad to create a bearing point with a low coefficient of friction, but high bearing capacity. A polished stainless steel plate is attached to the bottom of an upper bearing element to maintain the low coefficient of friction with this system.

PRODUCT OVERVIEW

- Allows for lateral movement due to thermal and unrestrained forces
- Low coefficient of friction
- Engineered for predictable performance

ALP PTFE PROPERTIES

Material Properties	25% Glass Filled PTFE (Type 1) "Most Popular"		Unfilled PTFE (Type 1, Grade 2)	
	Specifications	ASTM Test Method	Specifications	ASTM Test Method
Compressive Strength (Recommended)	2,500 PSI Max.	N/A	2,000 PSI Max.	N/A
Tensile Strength	2,270 PSI Min.	D4745	2,500 PSI Min.	D4894
Elongation	180% Min.	D4745	200% Min.	D4894
Specific Gravity	2.15 - 2.25	D4745	2.13 - 2.18	D4894
Coefficient of Friction*	0.12 (Typical)	D1894	.06 (Typical)	D1894

*Against a stainless steel mating surface with a 2B finish or smoother.

Dimensional Information	X-Slide Values	Iso-Slide Values
Standard Thickness*	3/32" PTFE (+ Bearing Pad)	3/32" PTFE (+ Bearing Pad)
Maximum Size	48" x 60"	48" x 48"
Tolerance - Thickness	15% or ± 1/16", whichever is greater	Nominal ± 5%
Tolerance - Plan Dimensions	3% or ± 1/8", whichever is greater	3% or ± 1/8", whichever is greater

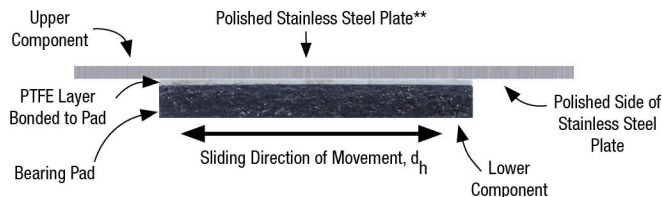
*Other thicknesses are available upon request.

X-SLIDE - SLIDE BEARINGS

(FOR ROTATIONAL STRESS APPLICATIONS)



ELEVATION VIEW

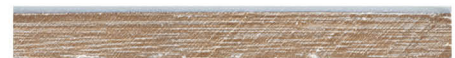


*Upper component must be designed to provide full bearing on Lower Component at all times, even under worst case horizontal movements per illustration

**ALP Standard-304 Stainless Steel, 10 gage thickness, one side No. 2B Finish (Mirror). Other thicknesses available upon request.

ISO-SLIDE - SLIDE BEARINGS

(FOR LIMITED DEFLECTION APPLICATIONS)



PLAN VIEW

