



Q: “What Are Typical PolySlide™ Fabrication Guidelines?”

A: A common question when evaluating PolySlide composite cylinder tubing as a cost-effective replacement to DOM aluminum or stainless steel cylinder materials is what are typical fabrication guidelines to the PolySlide product. The following are general guidelines only - should a specific tolerance or capability not be listed in this FAQ, contact a PolyLube™ product engineer (sales@polygoncompany.com) for more design assistance.



O.D. Grinding:

Centerless Grinding or Sander: 19 1/2" maximum turning diameter x 120" long.
Standard run-out I.D. to O.D.
O.D. Grinding On Centers: maximum O.D. of 18 1/2" x 120".
Maximum length dependant on diameter.

Turning—O.D. Cutting, Boring & External Threads:

Manual Lathe: 19 1/2" maximum turning diameter x 120" long.
CNC Lathe: 11.8" maximum turning diameter x 50" long

Milling—Drilling, Tapping, Internal (I.D.) Grooves, Slots, Internal (I.D.) Threads:

CNC Mill: maximum travel X=20", Y=16", Z=20" primarily for small diameter or short repetitive products.

U.V. CLEAR COAT AVAILABLE UPON REQUEST.