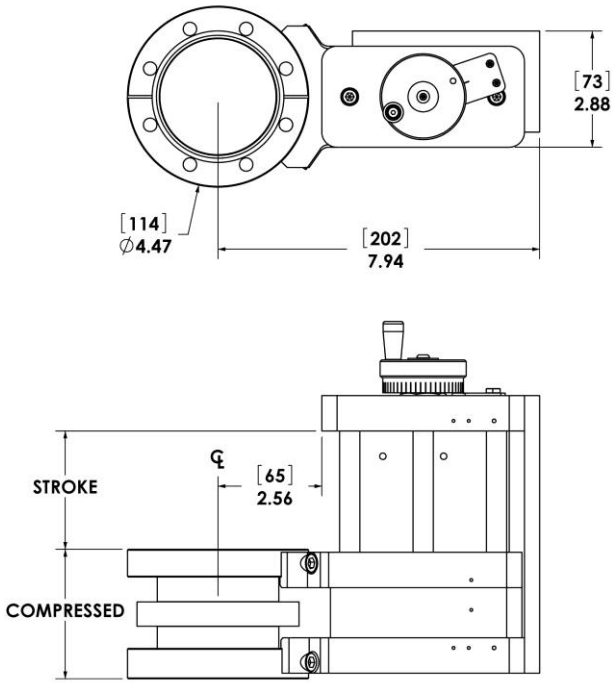
VACUUM TECHNOLOGY
Hositrad

Model HO_BLT45S Translator

With 4.5" (CF63) Flanges



The newest member of the Hositrad CF translator family, the HO_BLT45S has the cantilever brackets (see drawing above) bolted to the side of the flange. The advantage here is that the cantilever brackets leave 75% of the circumference of the flange unobstructed. This allows the translator to mount in very close quarters without interfering with other, nearby flanges.

The bottom (or fixed) flange of the HO_BLT45S is available with an optional 16-hole pattern for further flexibility. Since the actuator cannot be repositioned relative to the bolt holes, the optional 16-hole feature allows the User more options in mounting orientation. Despite its modest price, the HO BLT45S will provide years of trouble-free service, especially if the simple maintenance is performed.

All HO_BLT lead screws use ball bearings. The lead screws and bearings are lubricated with high temperature grease for low friction and long life. All parts are field replaceable, including the bellows. All translators are also available with long strokes, motor drives, linear encoders, tapped flanges and special heights.

VACUUM TECHNOLOGY
Hositrad

Order Information /Dimensions

Model HO_BLT45S Translator Price List

Model	Stroke	Clear I. D.	Compressed
HO_BLT45S-02	2" (50)	2.87" (73)	3.2" (81)
HO_BLT45S-03	3" (75)	2.87" (73)	3.35" (85)
HO_BLT45S-04	4" (100)	2.87" (73)	3.5" (89)
HO_BLT45S-06	6" (150)	2.87" (73)	3.8" (97)
HO_BLT45S-08	8" (200)	2.87" (73)	4.1" (105)
HO_BLT45S-12	12" (300)	2.87" (73)	4.7" (119)
HO_BLT45S-16	16" (400)	2.87" (73)	5.3" (135)
HO_BLT45S-24	24" (600)	2.87" (73)	6.5" (165)

Dimensions are in inches (mm)

Options
16-Hole pattern in foot flange,
Tapped flange (5/16-24 or M8 X 1.25),
DC Motor, limit switches, controller & pendant switch
Stepper motor & limit switches
Stepper motor controller, first axis
Additional axes (may be combined - consult factory)

Maintenance:

The HO_BLT45S needs only minimal maintenance. The linear bearings are self-lubricating and the guide rods and jacking screw need only be kept clean and free from dirt, dust and debris. The jacking screw and bearings do, however, need periodic lubrication.

As delivered, the screws are coated with but this coating will degrade over time, due to moisture in the atmosphere. After each bake out, lightly relubricate the screws with the (provided) high temperature grease. Be especially careful to not use a hydrocarbon grease such as Felpro C100™ unless you periodically clean the oxidized residue from all load-

bearing surfaces. The normal bakeout temperature is 150°C but higher temperatures can be used, if needed. For bakeouts between 150°C and 210°C, increase the frequency and thoroughness of lubrication.

To thoroughly re-lubricate the bearings while the translator is under vacuum,

- First move the translator to its fully extended position.
- Place a spacer between the traveler and lower bracket. Wood or metal work well.
- Remove the bearing retainer flange (refer sketch below) on the lower bracket.
- Turn the knob counter-clockwise to extract the bearings from the lower bracket.
- Work the factory-supplied grease into the bearing. Remember: a little goes a long way!
- Replace the bearing, retainer and screws.
- Remove the spacer.