



- Rotary and Push/Pull in the Same Feedthrough
- High Torque. Use Either Solid or Hollow Shafts
- High Speeds, Tested at 1100 RPM, 24/7 for 90 Days
- All Feedthroughs (RoHS) 2002/95/EC Compliant
- 303 Stainless Steel or Nickel Plated Brass
- Easy to Replace Viton® or Buna-N Chevron Seals
- Conflat®, NW or Pipe Thread Connection to System
- Available For Four Shaft Sizes: 1/4", 3/8", 1/2", 5/8"
- Includes Frelon® Bearing On Atmosphere Side

Shaft finish and hardness should be 4 to 12 RMS with a minimum surface hardness of RC 50 for best results. Softer shafting can be used, but both bearing and shafting may wear at accelerated rates. For any given RMS value radiused or polished peaks will provide the

best rate of wear so electropolished shafts give best results.

Lubrication with hydrocarbon grease or oil; can reduce friction and improve the seal life. Silicone and flourocarbon lubricants are not recommended because they can inhibit heat flow and increase the seal temperature.

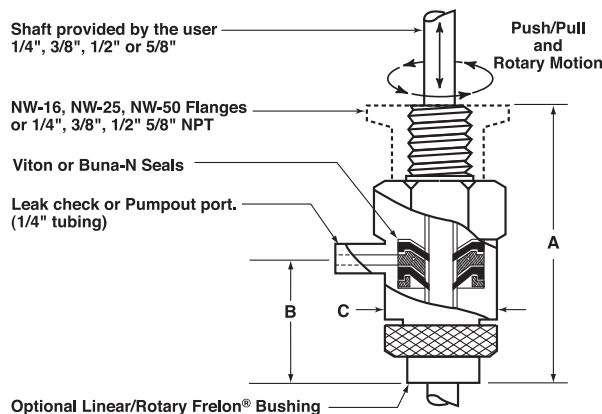
Shaft Diameter Shaft is not included Best performance will result when your shaft diameter is held to these dimensions, but smaller diameters are acceptable. See below for optional shaft material.

Connection to System	1/4 inch .2495 - .0000 + .0005	3/8 inch .3745 - .0000 + .0005	1/2 inch .4995 - .0000 + .0005	5/8 inch .6245 - .0000 + .0005
2.75 In. Conflat®	Model No. 2.75-B01-SS 303 Stainless Steel \$426.	Model No. 2.75-B02-SS 303 Stainless Steel \$455.	Model No. 2.75-B03-SS 303 Stainless Steel 1/2" \$477. 5/8" \$618.	
NW-16	Model No. 16-B01-SS 303 Stainless Steel \$421.	Model No. 16-B02-SS 303 Stainless Steel \$460.	Model No. 16-B03-SS 303 Stainless Steel 1/2" \$460. 5/8" \$595.	
NW-25	Model No. 25-B01-SS 303 Stainless Steel \$460.	Model No. 25-B02-SS 303 Stainless Steel \$460.	Model No. 25-B03-SS 303 Stainless Steel 1/2" \$477. 5/8" \$619.	
NW-50	Model No. 50-B01-SS 303 Stainless Steel \$550.	Model No. 50-B02-SS 303 Stainless Steel \$545.	Model No. 50-B03-SS 303 Stainless Steel 1/2" \$574. 5/8" \$720.	
Pipe Thread	Model No. P-B01-NB Nickel Plated Brass \$219.	Model No. P-B02-NB Nickel Plated Brass \$236.	Model No. P-B03-NB Nickel Plated Brass 1/2" \$247. 5/8" \$387.	
	Model No. P-B01-SS 303 Stainless Steel \$460.	Model No. P-B02-SS 303 Stainless Steel \$477.	Model No. P-B03-SS 303 Stainless Steel 1/2" \$506. 5/8" \$647.	
For 1 Inch Baseplate Through Hole	Model No. 1in-B01-NB Nickel Plated Brass \$359.	Model No. 1in-B02-NB Nickel Plated Brass \$382.	Model No. 1in-B03-NB Nickel Plated Brass \$421.	
	Model No. 1in-B01-SS 303 Stainless Steel \$686.	Model No. 1in-B02-SS 303 Stainless Steel \$702.	Model No. 1in-B03-SS 303 Stainless Steel \$747.	
Replacement Seal Washers 2 Req'd.	Buna-N, P/N 701101-B \$3.00 each	Buna-N, P/N 701102-B \$3.00 each	Buna-N, P/N 701103-B \$3.00 each	
	Viton®, P/N 701101-V \$5.00 each	Viton®, P/N 701102-V \$5.00 each	Viton®, P/N 701103-V \$5.00 each	

Test Results

These very rugged and reliable seals have been in production for 50 years and have been tested extensively. In one test after 800,000 reciprocal motions of 1 inch the leak rate was less than 5×10^{-10} scc/sec. In another test the seal operated at 1100 RPM for 90 days, 24/7 and the rate was also less than 5×10^{-10} scc/sec.

Rotary & Push/Pull Motion Feedthrough



SHAFT DIAM.	NW-16			NW-25			NW-50			PIPE THREAD		
	A	B	C	A	B	C	A	B	C	A	B	C
1/4 INCH SHAFT	2.35	1.00	1.00	2.26	.09	1.0	2.26	.09	1.0	2.73	1.39	1.00 ACROSS FLATS
	3/8 IN. NPT											
3/8 INCH SHAFT	2.35	1.00	1.13	2.35	1.00	1.13	2.8	1.50	1.13	2.75	1.38	1.125 ACROSS FLATS
1/2 & 5/8 INCH SHAFT	2.38	1.00	1.25	2.38	1.00	1.25	2.50	1.13	1.25	2.76	1.38	1.25 ACROSS FLATS

Optional Precision Shaft Material, 316 S.S. The shaft is not included with the feedthrough. Most customers provide their own shaft but we offer this material as a convenience.

- 1/4 inch O.D. by 18 inch (457 mm) long P/N: SHFT-.25-18-316 . . . \$34. ea.
- 3/8 inch O.D. by 18 inch (457 mm) long P/N: SHFT-.37-18-316 . . . \$71. ea.
- 1/2 inch O.D. by 18 inch (457 mm) long P/N: SHFT-.50-18-316 . . . \$83. ea.