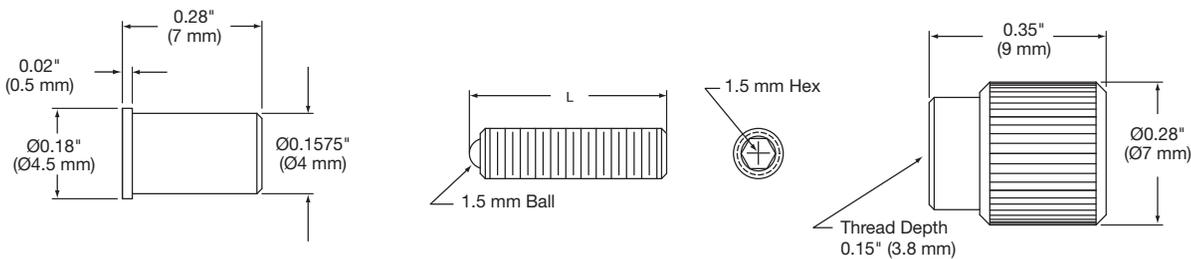


M2.5-0.20 mm Extremely Fine Hex Adjusters



The M2.5-0.20 mm Hex Adjusters are manufactured from 300 series stainless steel. The extremely fine (0.20 mm per revolution) thread precludes the use of taps to produce threaded mating parts for these adjusters. Instead, use the F2D5ESN1 threaded bushing, which is manufactured on a precision CNC turning center using a single-point threading tool. For custom bushings, please contact tech support. Also available are a removable knob and a vacuum-compatible lock nut.



Please refer to our website for complete models and drawings.

ITEM#	\$	£	€	RMB	DESCRIPTION	LENGTH
F2D5ES8	\$ 9.70	£ 6.70	€ 8,70	¥ 82.00	M2.5-0.20 mm Adjuster Screw	8 mm
F2D5ES10	\$ 10.20	£ 7.05	€ 9,10	¥ 86.20	M2.5-0.20 mm Adjuster Screw	10 mm
F2D5ES12	\$ 10.80	£ 7.50	€ 9,60	¥ 91.20	M2.5-0.20 mm Adjuster Screw	12 mm
F2D5ES15	\$ 11.90	£ 8.25	€ 10,60	¥ 100.50	M2.5-0.20 mm Adjuster Screw	15 mm
F2D5ES20	\$ 16.20	£ 11.30	€ 14,40	¥ 136.80	M2.5-0.20 mm Adjuster Screw	20 mm
F2D5ESN1	\$ 7.60	£ 5.25	€ 6,80	¥ 64.20	M2.5-0.20 mm Threaded Bushing	7 mm
F2D5ESK1	\$ 7.00	£ 4.85	€ 6,30	¥ 59.20	M2.5-0.20 mm Removable Adjuster Knob	9 mm
LN25M20	\$ 8.20	£ 5.70	€ 7,30	¥ 69.30	M2.5-0.20 mm Lock Nut	-

Integrating Fine Adjustment Screws into Optomechanical Systems:

The assembly process begins by producing the appropriately-sized mating hole for the threaded bushing. Given the close fit between the threaded bushing and the mating adjuster screw, we caution against using a press fit to assemble these products.

Example Bushing

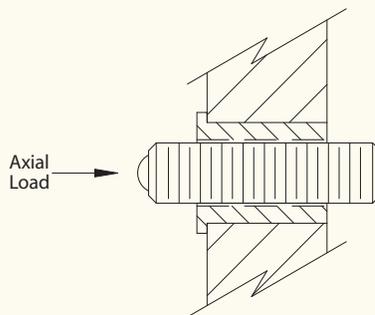


Figure 1

For our own production needs, we use a permanent anaerobic adhesive that provides excellent long-term performance. We recommend using Loctite™ Anaerobic Adhesive product number 680 or equivalent. In order to ensure maximum strength between the bonded parts, we strongly urge the user to follow carefully the instructions provided by Loctite, which specify the amount of clearance between the threaded bushing and the mounting plate. The most common source of failure is not allowing for the proper clearance between the parts being bonded since this clearance provides for the proper volume of adhesive.

As shown in Figure 1, the flange on the mating bushing is designed to support the axial load of the screw and bushing assembly.

When assembling, apply a small amount of the Loctite adhesive to both threaded bushings and the mounting plate and ensure a uniform distribution of the adhesive around the perimeter of the parts before assembly. After insertion, remove any excess adhesive from around the part.