

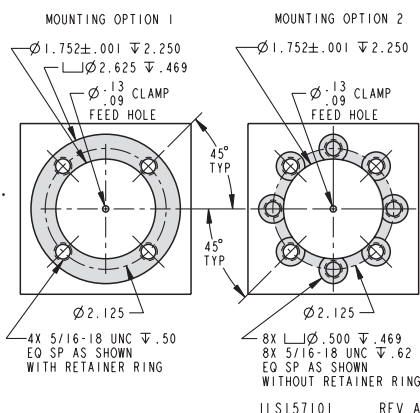
# Special Use Clamps



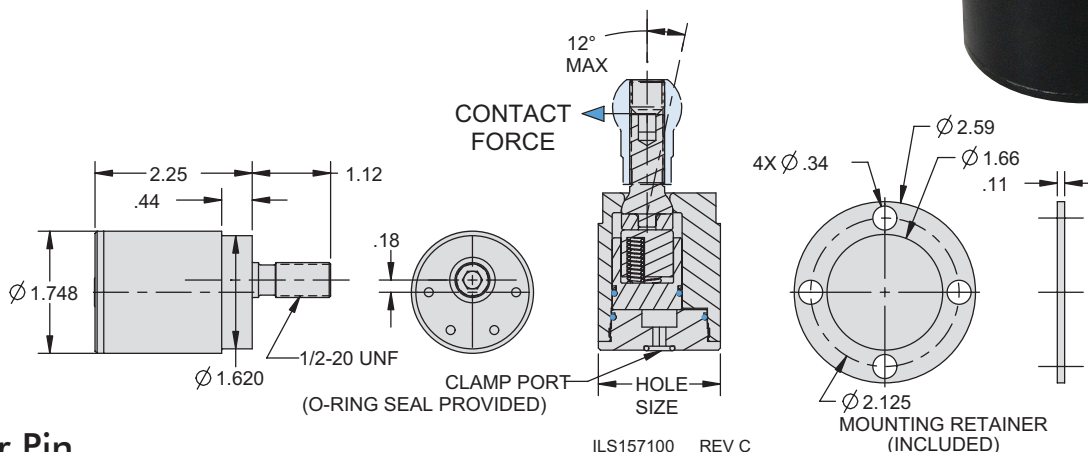
## Power Pin

### Power Pin

- Spring Position and Hydraulic Clamping Pin.
- Spring force pushes part into position against fixed stops and hydraulic pressure keeps the part clamped during machining.
- Hydraulic manifold mounted.
- Hardened club heads, threaded pivot and spring cup.
- Club Heads sold separately.
- BHC™ (Black Hard Coat) body finish.
- Adjust club height then rotate the body to adjust position, adjust spring retention force and location.



E-2

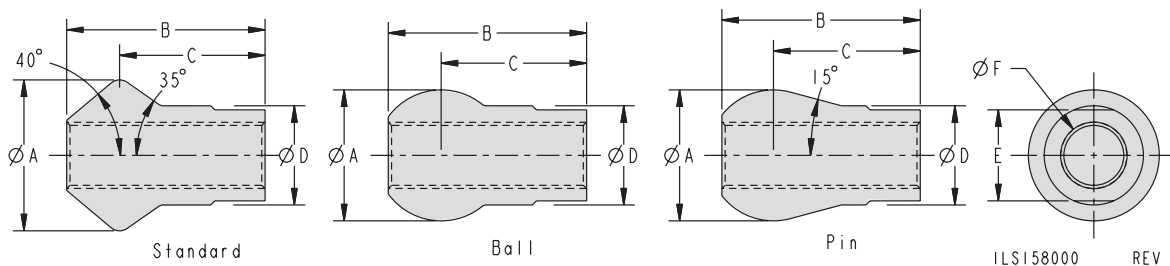


### Power Pin

Model No.*	Hydraulic Contact Force (lb)**	Spring Contact Force (lb)***	Piston Area (sq. in.)	Oil Capacity (cu. in.)	Pin Lever Ratio	Hole Size $\phi$ (in.)
15-7110-00	600	4.2-6.1	0.785	0.425	1: 4.2	1.752

For proper sealing, mating surface must be flat within 0.003 in. with a maximum 63  $\mu$  in.  $R_a$  surface finish.

\* Club heads are sold separately.  
 \*\* Hydraulic Contact Force is calculated at 5,000 psi maximum operating pressure. Force values are calculated at the end of the thread pivot. The hydraulic contact force is adjustable by varying the hydraulic system pressure. To determine the approximate hydraulic contact force for your application divide the hydraulic contact force shown above by 5,000 and multiply the result by your system operating pressure.  
 \*\*\* Spring Contact Force values are calculated at the end of the threaded pivot. Actual force values vary at the part depending on the club head design and location of the contact.



### Club Heads

Model No.	A	B	C	D	E	F
<b>Standard Club Head</b>						
15-8010-01	1.14	1.50	1.10	0.75	0.69	1/2-20
<b>Ball Club Head</b>						
15-8010-02	0.99	1.50	1.10	0.75	0.69	1/2-20
<b>Pin Club Head</b>						
15-8010-03	0.99	1.50	1.11	0.75	0.69	1/2-20

Hardened alloy steel for long life.

