

Schmidt Offset Coupling

Model L119A



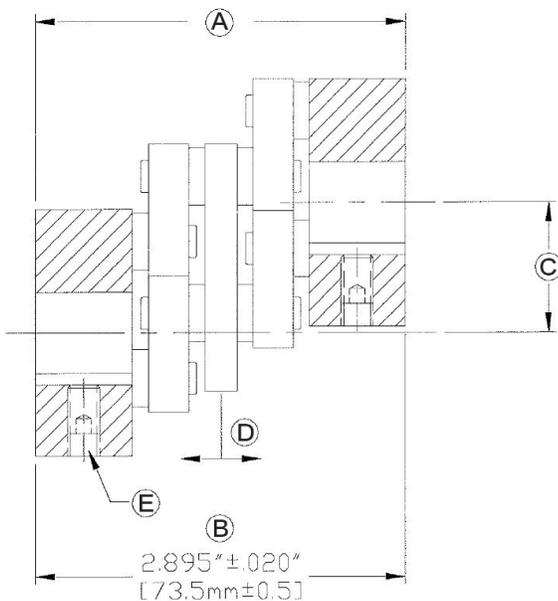
Mounting, Maintenance, and Lubrication Information For Schmidt Offset Coupling Model L119A

TOOLS REQUIRED

- Hex socket set
- Shaft alignment tools
- Cleaning cloth
- Caliper

The Schmidt Offset Coupling will function properly if operated within its allowable shaft displacement range and if the mounting instructions are followed. Failure to observe these instructions may result in reduced coupling life or otherwise unsatisfactory performance.

Prior to installing the coupling, make sure there are no burrs on the shafts and keys. Remove binder from coupling, and carefully position the hubs onto the shafts. If necessary, the coupling can be partially disassembled in order to install the hubs onto shafts one at a time.



MOUNTING

- **A:** Align shafts so that the hub faces are parallel within .015" (0.4mm) (less is recommended for higher shaft speeds). Reducing angular misalignment as much as possible will benefit coupling performance and maximize lifetime.

- **B:** Distance across the hub faces should be 2.895" +/- .020" (73.5mm +/- 0.5). The connected shafts should not extend into the coupling beyond the inner hub faces. When coupling distance is set correctly, tighten the hub setscrews.
- **C:** Verify that the minimum shaft displacement is not less than 0.250" (6.35mm). Verify that the maximum shaft displacement does not exceed 0.900" (22.9mm).
Operating the Schmidt Offset Coupling at shaft displacements outside of that shown above will likely result in reduced coupling lifetime, erratic performance, vibratory side loads and possible damage to the connected equipment. It is possible to slightly exceed these values during installation only.
- **D:** After installation of the coupling, check that the center disc is free to move laterally a small amount. Total movement of approximately .002"-.010" is acceptable (0.05-0.25mm). This is to ensure that the coupling is not being compressed, which could lead to premature wear. Loosen the setscrew on one hub and make length adjustment if necessary.
- **E:** Be sure that both hubs are securely tightened to the shafts (and key, if present) via the setscrew.

MAINTENANCE

In most industrial or automation applications the L119A will provide adequate lifetime without any maintenance or lubrication. If the coupling is subject to particularly dusty, humid, or otherwise unfavorable atmospheres or operating conditions, supplemental lubrication will extend the lifetime of the sintered links. A light, non-detergent oil applied to the link bores is recommended for those applications (e.g. 3-in-one motor oil).

⚠ Caution: Rotating equipment is potentially dangerous and should be properly guarded. It is the responsibility of the machine builder, user, or operator to follow all applicable safety codes and provide a suitable guard. Make sure the machine is "locked out" and cannot be accidentally started during installation or maintenance of coupling.