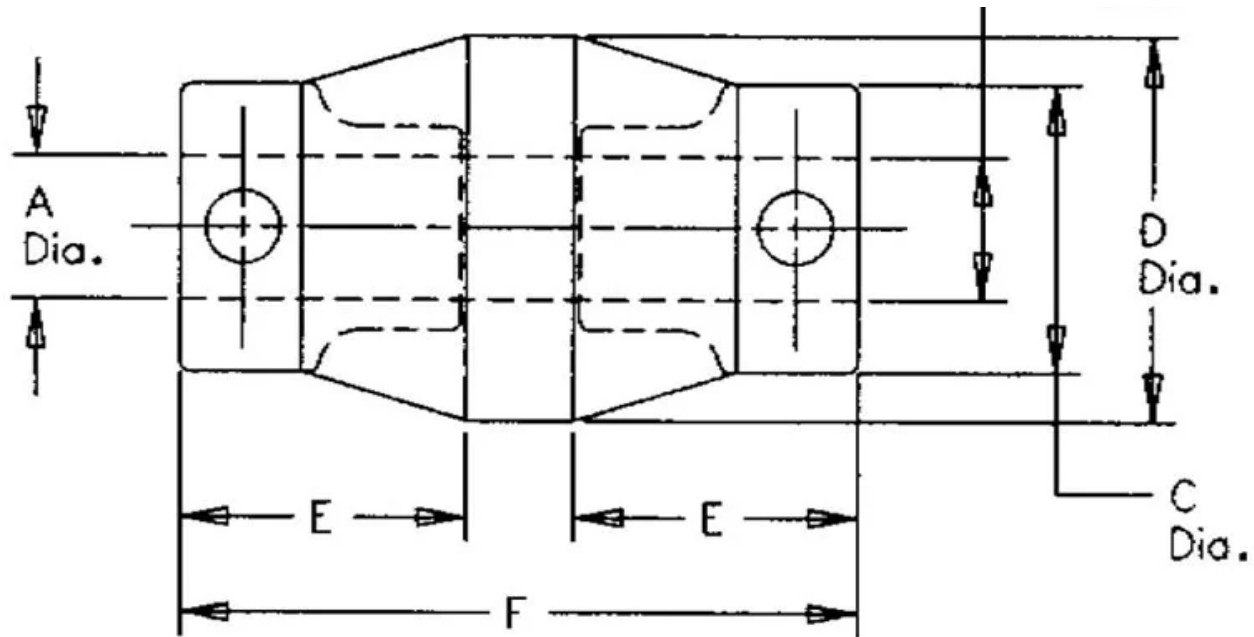


SK-1947

in Dynaflex® Shear Type Couplings





For Low Frequency Vibration Isolation and Misalignment Accommodation Compact, one-piece flexible couplings economically constructed to isolate low- frequency vibration and accommodate multi-directional misalignment.

Large Selection of Standard Sizes

Fractional horsepower couplings are available in a range of sizes to permit matching a specific coupling to your application.

Standard Construction :-

Hubs - steel, Bores - as listed, Set Screws - one per hub furnished but not installed, Flexing Element - neoprene.

Compact, one-piece coupling construction is convenient for small equipment with fractional horsepower requirements. Torsional deflection at rated torque assures excellent vibration isolation. Specified torque rating allows 15° angular deflection for excellent vibration isolation.

Max. recommended Misalignments-1/32 in. parallel, 2° angular.

Shear-type Dynaflex couplings reduce the adverse effects of transient shock torques, torsional vibration, noise and misalignment associated with small equipment drivelines. This results in longer service life, smoother, quieter operation, less maintenance, and lower cost for your end product.

- 1/50 to 1 hp at 1750 rpm.
- High torsional deflection.
- Versatile application potential.
- Multi-directional misalignment accommodation.
- Easy installation.
- One-piece construction.

inch parallel, 2° angular.

- Vibration Isolation : low torsional stiffness is achieved with the shear-type flexible coupling because the rubber is loaded in shear. This allows for low system natural frequencies and excellent driveline disturbances.
- Shock Protection : torsional shock loads are attenuated by torsional deflection of the elastomer. Torsional flexibility smoothes out rotational disturbances and protects system components from early fatigue failure.
- Noise Reduction : no metal-to-metal contact; elastomeric barrier reduces gear noise, transmission and motor hum between shifts.
- Maintenance-Free : elastomer flexibility accommodates all motion without metal-to-metal wear, eliminates the need for lubrication.
- Long Service Life : shear-type flexible couplings have proven themselves under demanding service conditions. Elastomers resist effects of abrasive materials, oil and grease.
- Attachment : shear-type flexible couplings are available in an assortment of bore sizes.
- Constant Velocity : inherent design properties produce a rotational constant velocity.

Specifications

C (IN)	0.44
F (IN)	0.81
F (MM)	
BORE DIA. (A) (IN)	0.187
BORE DIA. (B) (IN)	0.187
HORSE POWER @ 1750 RPM (HP)	1/50
D REF. (IN)	0.56
E REF. (IN)	0.36
TORQUE RATING (LBΣIN)	0.8
PRODUCT TYPE	
MANUFACTURER	
TORQUE RATING LBΣIN	0.8

TYPICAL APPLICATIONS

Shear-type flexible couplings are useful in many small equipment driveline applications.

Multi-directional misalignment capabilities make them ideally suited for fractional horsepower drivelines demanding noise reduction, vibration isolation and maintenance-free operation.

Include

Information Systems - Motor drive, printer rollers, indexing devices, linear actuator, drives and card sorters.

Hospital Bed - Actuator drive

Dynamometer - Driveline

Tachometer - Driveline

Pumps, Blowers, Compressors - Driveline