FC175-25C FLEXIBLE COUPLER
PRODUCT SPECIFICATION

SOC MACHINES

Features
- Aluminum flexible coupler
- 0.250″ ID bore
- Offset screw for clamping to shaft
- Designed for light to medium duty
- No backlash – no maintenance
- Compatible with SM2006/SM3006 Steppers
- Overall length: 1.00″, 0.75″ OD, 0.25″ ID

Overview
The FC175 is a flexible coupler designed to connect two 0.25″ diameter shafts. The couplers unique design compensates for parallel and axial misalignment while exhibiting zero backlash. A flexible coupler is the preferred method to connect a stepper motor shaft to a leadscrew shaft. The FC175 is intended for light to medium duty applications.

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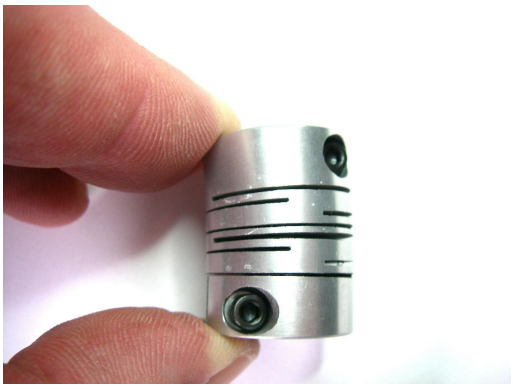


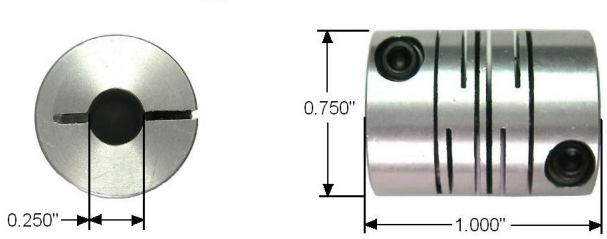
FC175 compensates for misalignment.

Offset clamp screws allow shaft attachment without scoring while providing a secure and tight slip free clamp. The clamping configuration is the preferred method of attaching a flexible coupler to non-ferrous shafts.

The FC175 is an excellent choice for connecting two 0.25″ shafts in stepper motor, encoder, instrumentation, feed roller, lead screw and related applications. Flexible couplers reduce the precision with which two shafts must be aligned in the parallel and axial axis while relieving stresses on stepper motor and lead screw bearings.

Flexible coupler with clamp screws.

Constructed of tough Aluminum the FC175 is designed for light duty applications such as Sherline/TAIG Mill/Lathe, CNC retro-fits, XYZ table automation and related applications. The FC175 is compatible with the SM2006 and SM3006 NEMA23 125oz-in stepper motors.



Coupler dimensions: 1.00L x 0.75OD x 0.25ID.

The FC175 is a precision machined component for CNC automation applications. The FC175 is a member of the SOC's family of motion control products that include drivers, stepper motors and related mechanical components.

Ordering Information

FC175-25C Flexible Coupler – 0.25″ ID

You may order directly from SOC Machines by placing an order on the web site: www.soc-machines.com, calling (604) 628-7227 or by contacting one of our sales representatives or distributors.