

FO257

Fiber optic rotary joint

Description

The FO257 is a compact, two pass, fiber optic rotary joint (FORJ) for plastic optical fiber.

Ideally suited to SERCOS applications, the FO257 can be combined with our electrical and fluid slip rings, giving a single, compact package for optical signals, electrical power and fluid transfer.

The FORJ can be assembled with pigtail lengths tailored to the customer's application. Housing, mounting flange and drive features can also be customized to meet application requirements.

Features

- Provides rotary coupling for two multimode plastic large core fibers
- Passive and bidirectional
- Can be combined with various electrical slip rings and fluid unions
- Customized mounting flanges available
- Can be integrated into existing slip ring designs
- Aluminum housing
- Can be supplied with large core glass pigtails to reduce overall system loss
- Rugged design
 - MIL-STD-167-1 ship vibration
 - MIL-STD-810E functional shock (40 g)



Typical Applications

- Automation systems
- SERCOS protocol
- Packaging and special machinery
- Medical equipment
- Indexing tables
- Cable reels

