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EZ-SCP Easy Mount Bracket Assembly

Use with SCP-Series Speed Switches

- New and retrofit installations.
- Straightforward installation (drill and tap).
- No additional brackets or hardware needed.
- Heavy duty, long-life sealed bearings.
- Assembly moves with the shaft, compensating for typical shaft movement and vibration.
- Rated up to 300 RPM

Product Information

Operating Principle and Description

The EZ-SCP makes speed monitoring easier and more cost-effective. This bracket assembly includes heavy-duty, long-life sealed bearings; a stainless steel shaft; a painted aluminum bracket; and comes with all other necessary hardware for installation.

Simply center drill and tap the shaft end for a 1/2"-13 thread, and turn the EZ-SCP bracket assembly onto the shaft. The EZ-SCP allows the speed switch to be mounted quickly and easily, and is compatible with Electro-Sensors' SCP1000 and SCP2000 Series of Speed Switches. The Speed Switch assembly easily mounts to the EZ-SCP bracket assembly with the supplied U-bolt.

Mounting

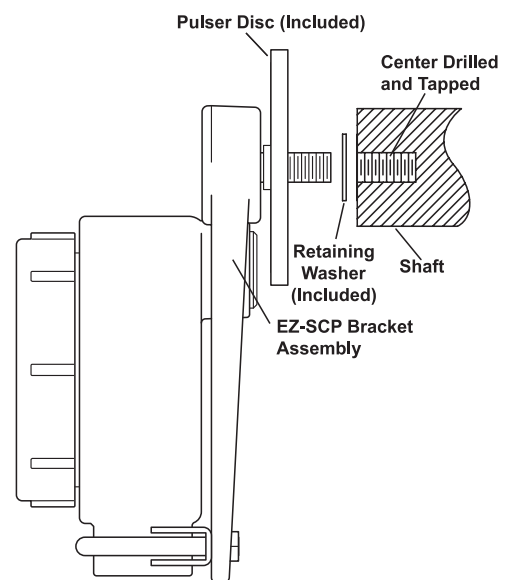
Mount the speed switch to the EZ-SCP bracket assembly. Place the sensing extension of the switch housing through the large hole in the EZ-SCP bracket. Place the open ends of the U-bolt around the base of the SCP switch housing and through the two smaller holes on the bracket. Tighten the lock nuts firmly. The gap distance between the Pulser Disc and sensing face should be approximately 1/4". See drawings on reverse side for reference.

Installation

Install the EZ-SCP bracket assembly on to the shaft to be monitored. Center-drill the shaft with a 27/64" drill to a depth of approximately 1", then tap for a 1/2"-13 UNC-2A thread to a depth of at least 3/4" full threads. After drilling and tapping the shaft, apply Loctite® or a similar adhesive to the screw threads and screw the EZ-SCP bracket assembly securely onto the end of the shaft. Torque the mounting shaft firmly (7 foot-pounds max.).
NOTE: Installing the EZ-SCP bracket assembly on a shaft that is not center drilled and tapped accurately will greatly reduce the life of the system.

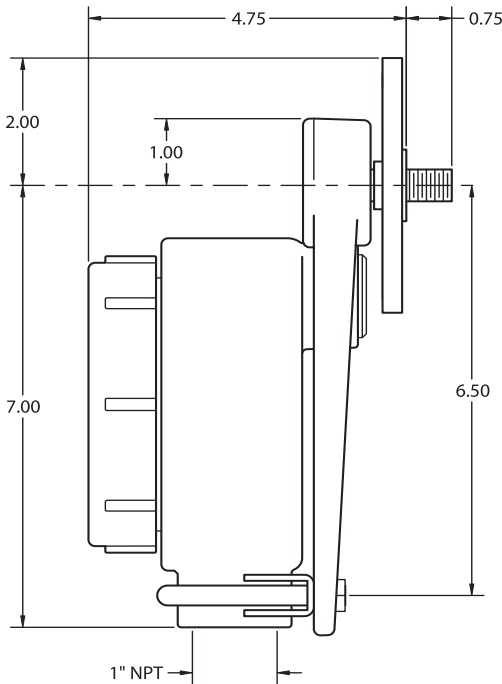
Electro-Sensors recommends using flexible conduit (XP if necessary) to secure the SCP-Series speed switch via the 1" NPT opening. Flexible conduit will allow the EZ-SCP bracket assembly to move with the shaft, compensating for typical shaft movement and vibration, and avoid binding on the bearing.

The EZ-SCP is NOT recommended for use in environments where caustic chemicals will be used for wash-down of machinery. The EZ-SCP is rated ONLY for use on shafts up to 300 RPM.

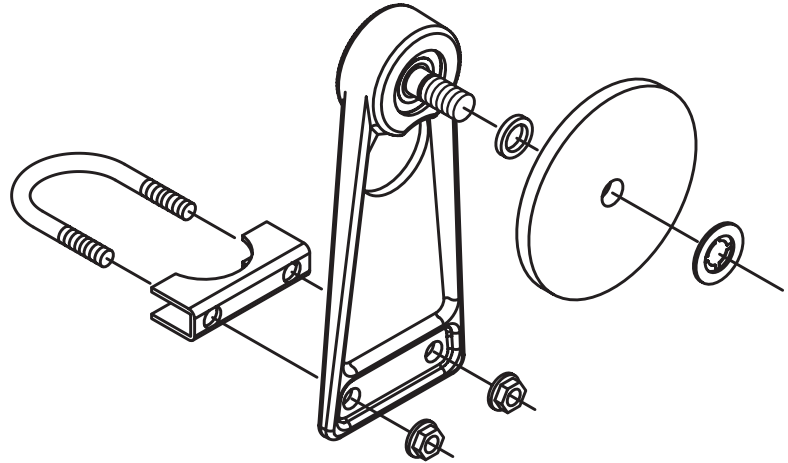


Dimensional Drawings • EZ-SCP

EZ-SCP with SCP-Series Speed Switch



Exploded view of EZ-SCP Bracket Assembly



EZ-SCP Bracket Assembly • Specifications

Body

Material Aluminum (356-T6)
 Finish Black powder coat

Shaft

Material Stainless steel (303)
 Thread size 1/2"-13 UNC 2A
 Hex wrench size 3/8"

Pulser Disc

Standard Model #255-EZ
 Material Nylon 12* (standard)
 Optional materials Aluminum, PVC, Stainless steel. Consult factory.
 Pulses per revolution 8* (standard)

Bearings

Type Radial, sealed (designed for radial and thrust loads)

Operation

Maximum speed 300 rpm at ambient temp.
 Operating temperature -40°C to +60°C*

Environment

The EZ-SCP is NOT recommended for use where caustic chemicals are used for wash-down of machinery.

Compatible Speed Switches

Model SCP1000/SCP2000 Explosionproof speed switch.

Spare Parts

EZ-SCP bracket assembly (Pulser Disc/U-bolt included)	810-000005
255-EZ pulser disc	700-000206

Stock No.

**Consult factory for further options.
 Specifications subject to change without notice.*

ES-105 Rev. E