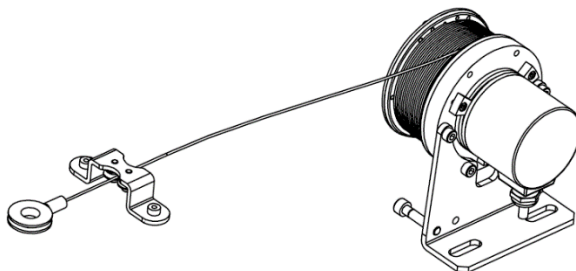


BSL-FS02 draw-wire mechanism



Features and Application:

The BSL-FS02 is open type draw wire mechanism, with 1.5mm or bigger diameter wire, it can be used in worse working environments with higher levels of protection. It's widely used in Mining machinery, engineering machinery or Ocean vessels.

Technical data

Product	Draw-wire mechanism
BSL-FS02	Draw- mechanism for servo flange with 6 mm shaft, measuring range 0 m ... 2 m
Note	Encoders need to be purchased separately
Measuring length up to	0 m ... 2 m
Repeatability	$\leq 0.2 \text{ mm}$
Linearity	$\leq \pm 0.05\%$
Hysteresis	$\leq 0.5 \text{ mm}$
Weight	300 g (without encoder)
Material (rope)	Highly flexible 304 stainless steel rope
Bracket material	Stainless steel and alloy steel
Circumference of drum	250 mm
Wire tension	15~25N ¹⁾
Diameter(rope)	1.5 mm (Bigger options)
Acceleration	5 m/s ²
Resolution	To determine the system resolution, use the following formula: Pull-out length of cable per circle / Steps per circle = Resolution of draw-wire encoder combination
Working temperature	-30 °C ... +70 °C

IP code of casing

IP65

life

Typ. 5000,000 cycle ^{2) 3)}

- ¹⁾ This value is measured at an ambient temperature of 25 °C. When the temperature changes, the value may deviate..
- ²⁾ The average value depends on the load pattern.
- ³⁾ The service life depends on the type of load. Influencing factors include: environmental conditions, installation conditions, measuring range used, moving speed and acceleration.

Dimension(mm/inch):

