

Industrial version BSL-MA80



Technical data

Product	Draw-wire mechanism
Profile	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	$\leq \pm 2 \text{ mm}$
Hysteresis	$\leq 1 \text{ mm}$
Weight	1.3 kg (without encoder)
Material (rope)	Highly flexible 316 stainless steel rope
Spring sleeve material	Zinc die casting
Casing material	Aluminum (anode coating treatment), die-cast zinc
Circumference of drum	200 mm

Force of retractile spring	6 N ... 14 N ¹⁾
Diameter(rope)	1.2mm
Acceleration	40 m/s ²
Speed of adjustment	10 m/s
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	IP64
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):

