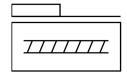
Ball screw linear actuator ELGC-BS-KF-80-400-16P

FESTO

Part number: 8061501





Data sheet

Working stroke 400 mm	Valu	lue
Stroke reserve 0 mm Screw diameter 16 mm/S Spindle pitch 16 mm/U Type code ELGC Mounting position Any Guide Recirculating ball bearing guide Design Electromechanical linear axis with ball screw Motor type Stepper motor Servo motor Spindle type Ball screw drive Symbol 00991211 Max. acceleration 15 m/s² Max. rotational speed 3750 1/min Max. speed 1 m/s Repetition accuracy \$0.01 mm Degree of protection IP40 Ambient temperature 0 ° C 50 ° C 2nd moment of area ly 1370000 mm⁴ No-load torque at maximum travel speed 0.396 Nm No-load torque at minimum travel speed 0.095 Nm Max. force F2 2700 N Fy with theoretical service life of 100 km (from a guide perspective only) Max. torque Mx Mx with theoretical service life of 100 km (from a guide perspective only) My with theoretical service life of 100 km (from a guide perspective only) My with theoretical service life of 100 km (from a guide perspective only) My with theoretical service life of 100 km (from a guide perspective only) My with theoretical service life of 100 km (from a guide perspective only) My with theoretical service life of 100 km (from a guide perspective only) My with theoretical service life of 100 km (from a guide perspective only) My with theoretical service life of 100 km (from a guide perspective only) My with theoretical service life of 100 km (from a guide perspective only) My with theoretical service life of 100 km (from a guide perspective only) My with theoretical service life of 100 km (from a guide perspective only) My with theoretical service life of 100 km (from a guide perspective only) My with theoretical service life of 100 km (from a guide perspective only)	400	0 mm
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Max. feed force Fx 350 N	Fx 350	0 N

Feature	Value
Torsion moment of inertia It	90500 mm⁴
Mass moment of inertia JH per meter of stroke	0.35257 kgcm ²
Mass moment of inertia JL per kg of payload	0.064846 kgcm²
Mass moment of inertia JO	0.07856 kgcm ²
Feed constant	16 mm/U
Moving mass	978 g
Additional weight per 10 mm stroke	88 g
Dynamic deflection (load moved)	0.05% of axis length, maximum 0.5 mm
Static deflection (load at standstill)	0.1 % of axis length
Interface code, actuator	T46
Material of end caps	Die cast aluminum, painted
Profile material	Wrought aluminum alloy, anodized
Note on materials	Contains paint-wetting impairment substances RoHS-compliant
Cover strip material	High-alloy stainless steel
Drive cover material	Die cast aluminum, painted
Slide carriage material	Steel
Guide rail material	Steel
Slide material	Die-cast aluminum
Spindle nut material	Steel
Spindle material	Steel