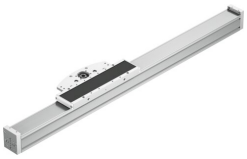
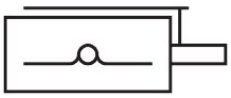
Cantilever axis
ELCC-TB-KF-70-1000-0H-P0-CR

Part number: 8082397





Data sheet

Feature	Value
Effective diameter of drive pinion	30.558 mm
Working stroke	1000 mm
Size	70
Stroke reserve	0 mm
Toothed-belt pitch	3 mm
Mounting position	optional
Guide	Recirculating ball bearing guide
Design	Electromechanical cantilever axis
Max. acceleration	50 m/s²
Max. speed	5 m/s
Repetition accuracy	±0.05 mm
Corrosion resistance class CRC	0 - No corrosion stress
LABS (PWIS) conformity	VDMA24364 zone III
Degree of protection	IP20
Ambient temperature	-10 °C...60 °C
2nd moment of area Iy	959740 mm⁴
2nd moment of area Iz	928740 mm⁴
Max. drive torque	10.4 Nm
Max. force Fy	9680 N
Max. force Fz	9406 N
Max. moment Mx	104 Nm
Max. moment My	826 Nm
Max. moment Mz	797 Nm
Max. feed force Fx	600 N
Mass moment of inertia JH per metre of stroke	14.7 kgcm²
Mass moment of inertia JL per kg of working load	2.3 kgcm²
Mass moment of inertia JO	10.6 kgcm²
Feed constant	96 mm/U
Reference service life	5000 km
Lubrication interval dependent on operating distance	1000 km
Moving mass for 0 mm stroke	3210 g

Feature	Value
Additional moving mass per 10 mm stroke	63 g
Basic weight for 0 mm stroke	7960 g
Additional weight per 10 mm stroke	63 g
Material end cap	Anodised wrought aluminium alloy
Material profile	Anodised wrought aluminium alloy
Note on materials	RoHS-compliant
Material drive head	Anodised wrought aluminium alloy
Material guide rail	Rolled steel, Corrotect coated
Material housing	High-alloy stainless steel
Material slide	Anodised die-cast aluminium
Material toothed belt clamping piece	Anodised wrought aluminium alloy
Material toothed belt	Polychloroprene with glass filament and nylon coating