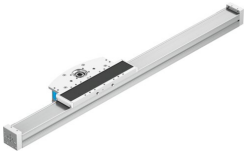
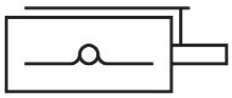
Cantilever axis
ELCC-TB-KF-60-500-0H-P0-CR

Part number: 8082388





General operating condition

Data sheet

Feature	Value
Effective diameter of drive pinion	30.558 mm
Working stroke	500 mm
Size	60
Stroke reserve	0 mm
Toothed-belt pitch	3 mm
Mounting position	optional
Guide	Recirculating ball bearing guide
Design	Electromechanical cantilever axis
Symbol	00991210
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	240600 mm⁴
2nd moment of area Iz	304210 mm⁴
Max. drive torque	5.4 Nm
Max. force Fy	4216 N
Max. force Fz	4119 N
Max. moment Mx	36 Nm
Max. moment My	293 Nm
Max. moment Mz	288 Nm
Max. feed force Fx	300 N
Mass moment of inertia JH per metre of stroke	8.9 kgcm²
Mass moment of inertia JL per kg of working load	2.3 kgcm²
Mass moment of inertia JO	5.9 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	1636 g
Additional moving mass per 10 mm stroke	38 g
Basic weight for 0 mm stroke	4146 g
Additional weight per 10 mm stroke	38 g
Material end cap	Anodised wrought aluminium alloy

Feature	Value
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