

Cantilever axis ELCC-TB-KF-60-1000-0H-P0-CR

Part number: 8082391

FESTO



[PDF](#) General operating condition

Data sheet

Feature	Value
Effective diameter of drive pinion	30.558 mm
Working stroke	1000 mm
Size	60
Stroke reserve	0 mm
Toothed-belt pitch	3 mm
Mounting position	Any
Guide	Recirculating ball bearing guide
Design	Electromechanical cantilever axis
Symbol	00991210
Max. acceleration	50 m/s ²
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 I _y	240600 mm ⁴
2nd moment of area I _z	304210 mm ⁴
Max. drive torque	5.7 Nm
Max. force F _y	4216 N
Max. force F _z	4119 N
Max. moment M _x	36 Nm
Max. moment M _y	293 Nm
Max. moment M _z	288 Nm
Max. feed force F _x	300 N
Mass moment of inertia J _H per metre of stroke	8.9 kgcm ²
Mass moment of inertia J _L per kg of working load	2.3 kgcm ²
Mass moment of inertia J _O	5.9 kgcm ²
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 cast aluminium
Material toothed belt clamping piece	Anodised wrought aluminium alloy
Material toothed belt	Polychloroprene with glass filament and nylon coating