

Cantilever axis ELCC-TB-KF-70-500-0H-P0-CR

Part number: 8082394

FESTO



[PDF](#) General operating condition

Data sheet

Feature	Value
Effective diameter of drive pinion	30.558 mm
Working stroke	500 mm
Size	70
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 Iy	959740 mm ⁴
2nd moment of area Iz	928740 mm ⁴
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 kgcm ²
Mass moment of inertia JL per kg of working load	2.3 kgcm ²
Mass moment of inertia JO	10.6 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	3210 g
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

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