

Cantilever axis ELCC-TB-KF-110-1700-0H-P0-CR

Part number: 8082417

FESTO



[PDF](#) General operating condition

Data sheet

Feature	Value
Effective diameter of drive pinion	68.755 mm
Working stroke	1700 mm
Size	110
Stroke reserve	0 mm
Toothed-belt pitch	8 mm
Mounting position	Any
Guide	Recirculating ball bearing guide
Design	Electromechanical cantilever axis
Symbol	00991210
Max. acceleration	30 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	6830570 mm ⁴
2nd moment of area I _z	4925970 mm ⁴
Max. drive torque	90 Nm
Max. force F _y	20596 N
Max. force F _z	20022 N
Max. moment M _x	317 Nm
Max. moment M _y	2368 Nm
Max. moment M _z	2286 Nm
Max. feed force F _x	2500 N
Mass moment of inertia J _H per metre of stroke	174.9 kgcm ²
Mass moment of inertia J _L per kg of working load	11.8 kgcm ²
Mass moment of inertia J _O	157.1 kgcm ²
Feed constant	216 mm/U
Reference service life	5000 km
Lubrication interval dependent on operating distance	1000 km
Moving mass for 0 mm stroke	10017 g
Additional moving mass per 10 mm stroke	148 g
Basic weight for 0 mm stroke	27299 g
Additional weight per 10 mm stroke	148 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