

# cantilever axis

## ELCC-TB-KF-110-800-0H-P0-CR

Part number: 8082413

FESTO



### Data sheet

Feature	Value
Effective diameter of drive pinion	68.755 mm
Working stroke	800 mm
Size	110
Stroke reserve	0 mm
Toothed-belt pitch	8 mm
Assembly position	Any
Guide	Recirculating ball bearing guide
Design structure	Electromechanical Cantilever axis
Max. acceleration	30 m/s <sup>2</sup>
Max. speed	5 m/s
Repetition accuracy	±0,05 mm
Corrosion resistance classification CRC	0 - No corrosion stress
PWIS conformity	VDMA24364 zone III
Protection class	IP20
Ambient temperature	-10 ... 60 °C
Area moment of inertia 2nd degree Iy	6,830.57E+03 mm <sup>4</sup>
Area moment of inertia 2nd degree Iz	4,925.97E+03 mm <sup>4</sup>
Max. drive torque	90 Nm
Max. force Fy	20,596 N
Max. force Fz	20,022 N
Max. torque Mx	317 Nm
Max. torque My	2,368 Nm
Max. torque Mz	2,286 Nm
Max. feed force Fx	2,500 N
Mass moment of inertia JH per metre of stroke	174.9 kgcm <sup>2</sup>
Mass moment of inertia JL per kg of working load	11.8 kgcm <sup>2</sup>
Mass moment of inertia, JO	157.1 kgcm <sup>2</sup>
Feed constant	216 mm/U
Reference value, running performance	5,000 km
Lubrication interval, distance dependent	1,000 km
Moving mass with 0 mm stroke	10,017 g
Additional mass factor per 10 mm of stroke	148 g
Basic weight for 0 mm stroke	27,299 g
Additional weight per 10 mm stroke	148 g
Material of end caps	Anodised wrought aluminium alloy
Material of profile	Anodised wrought aluminium alloy
Materials note	Conforms to RoHS
Material drive head	Anodised wrought aluminium alloy
Material guide rail	Rolled steel, Corrotect coated
Material housing	High alloy steel, non-corrosive
Material slide	Cast aluminium, anodised
Material toothed belt clamping piece	Anodised wrought aluminium alloy
Material toothed belt	polychloroprene with glass cord and nylon coating