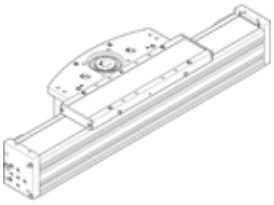
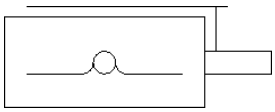
cantilever axis
ELCC-TB-KF-70-1200-0H-P0-CR

Part number: 8082398

FESTO





Data sheet

Feature	Value
Effective diameter of drive pinion	30.558 mm
Working stroke	1,200 mm
Size	70
Stroke reserve	0 mm
Toothed-belt pitch	3 mm
Assembly position	Any
Guide	Recirculating ball bearing guide
Design structure	Electromechanical Cantilever axis
Max. acceleration	50 m/s2
Max. speed	5 m/s
Repetition accuracy	±0,05 mm
Corrosion resistance classification CRC	0 - No corrosion stress
Protection class	IP20
Ambient temperature	-10 ... 60 °C
Area moment of inertia 2nd degree Iy	959.74E+03 mm4
Area moment of inertia 2nd degree Iz	928.74E+03 mm4
Max. drive torque	9.2 Nm
Max. force Fy	9,680 N
Max. force Fz	9,406 N
Max. torque Mx	104 Nm
Max. torque My	826 Nm
Max. torque Mz	797 Nm
Max. feed force Fx	600 N
Mass moment of inertia JH per metre of stroke	14.7 kgcm2
Mass moment of inertia JL per kg of working load	2.3 kgcm2
Mass moment of inertia, JO	10.6 kgcm2
Feed constant	96 mm/U
Reference value, running performance	5,016 km
Lubrication interval, distance dependent	1,000 km
Moving mass with 0 mm stroke	3,210 g
Additional weight per 10 mm stroke	63 g
Basic weight for 0 mm stroke	7,960 g
Additional mass factor per 10 mm of stroke	63 g
Material of end caps	Anodised wrought aluminium alloy
Material of profile	Anodised wrought aluminium alloy
Materials note	Contains PWIS substances 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