

Cantilever linear actuator ELCC-TB-KF-70-500-0H-P0-CR

Part number: 8082394

FESTO



[PDF General operating condition](#)

Data sheet

Feature	Value
Drive pinion effective diameter	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
Structural 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. driving torque	10.4 Nm
Max. force Fy	9680 N
Max. force Fz	9406 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 meter of stroke	14.7 kgcm ²
Mass moment of inertia JL per kg of payload	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, distance dependent	1000 km
Moving mass at 0 mm stroke	3210 g
Additional moving mass per 10 mm stroke	63 g
Basic weight with 0 mm stroke	7960 g
Additional weight per 10 mm stroke	63 g
Material of end caps	Wrought aluminum alloy, anodized

Feature	Value
Profile material	Wrought aluminum alloy, anodized
Note on materials	RoHS-compliant
Drive head material	Wrought aluminum alloy, anodized
Guide rail material	Rolled steel, Corrotect coated
Housing material	High-alloy stainless steel
Slide material	Cast aluminum, anodized
Toothed belt clamping component material	Wrought aluminum alloy, anodized
Toothed belt material	Polychloroprene with glass cord and nylon coating