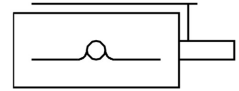
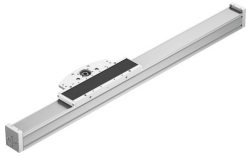


# Cantilever linear actuator ELCC-TB-KF-70-500-0H-P0-CR

Part number: 8082394

**FESTO**



## 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
Type code	ELCC
Mounting position	Any
Guide	Recirculating ball bearing guide
Design	Electromechanical cantilever axis
Symbol	00991210
Max. acceleration	50 m/s <sup>2</sup>
Max. speed	5 m/s
Repetition accuracy	±0.05 mm
Corrosion resistance class (CRC)	0 - No corrosion stress
Degree of protection	IP20
Ambient temperature	-10 °C ... 60 °C
2nd moment of area I <sub>y</sub>	959740 mm <sup>4</sup>
2nd moment of area I <sub>z</sub>	928740 mm <sup>4</sup>
Max. driving torque	9.2 Nm
Max. force F <sub>y</sub>	9680 N
Max. force F <sub>z</sub>	9406 N
Max. torque M <sub>x</sub>	104 Nm
Max. torque M <sub>y</sub>	826 Nm
Max. torque M <sub>z</sub>	797 Nm
Max. feed force F <sub>x</sub>	600 N
Mass moment of inertia J <sub>H</sub> per meter of stroke	14.7 kgcm <sup>2</sup>
Mass moment of inertia J <sub>L</sub> per kg of payload	2.3 kgcm <sup>2</sup>
Mass moment of inertia J <sub>O</sub>	10.6 kgcm <sup>2</sup>
Feed constant	96 mm/U
Reference value, running performance	5012 km
Lubrication interval, distance dependent	1000 km
Moving mass at 0 mm stroke	3210 g
Additional weight per 10 mm stroke	63 g
Basic weight with 0 mm stroke	7960 g
Additional moving mass 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	Contains paint-wetting impairment substances 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