

Belt driven linear actuator ELGA-TB-RF-80-

Part number: 1371246

FESTO



Data sheet

Feature	Value
Drive pinion effective diameter	39.79 mm
Working stroke	50 mm...7000 mm
Size	80
Toothed belt pitch	5 mm
Mounting position	Any
Guide	Roller guide
Structural design	Electromechanical linear axis With toothed belt
Motor type	Servo motor
Measuring principle of linear potentiometer	Incremental
Max. acceleration	50 m/s ²
Max. speed	10 m/s
Repetition accuracy	±0.08 mm
Duty cycle	100%
LABS (PWIS) conformity	VDMA24364 Zone III
For use in the food industry	See supplementary material information
Degree of protection	IP40
Ambient temperature	-30 °C...60 °C
Feed constant	125 mm/U
Dynamic deflection (load moved)	0.05% of axis length, maximum 0.5 mm
Static deflection (load at standstill)	0.1 % of axis length
Profile material	Wrought aluminum alloy, anodized
Note on materials	RoHS compliant
Cover strip material	Stainless strip steel
Drive cover material	Wrought aluminum alloy, anodized
Guide material	Steel
Belt pulley material	high-alloy stainless steel
Slide material	Wrought aluminum alloy, anodized
Toothed belt clamping component material	Cast stainless steel
Toothed belt material	Polyurethane with steel cord and nylon cover Polyurethane with steel cord

Feature	Value
	Polychloroprene or nitrile rubber (NBR) with glass cord and nylon coating