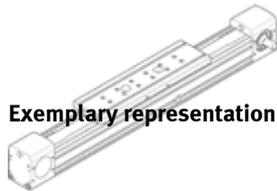


toothed belt axis DGE-63- -ZR-RF

Part number: 534393
Product to be discontinued

FESTO

[Linear axis with toothed belt and roller bearing guide](#)
Type to be discontinued. Available until 2021. See Support Portal for alternative products.



Exemplary representation

Data sheet

Overall data sheet – Individual values depend upon your configuration.

Feature	Value
Effective diameter of drive pinion	73.85 mm
Working stroke	1 ... 5,000 mm
Size	63
Stroke reserve	172 mm
Toothed-belt stretch	0.15 %
Toothed-belt pitch	8 mm
Assembly position	Any
Guide	Roller guide
Design structure	Electromechanical linear axis With toothed belt
Motor type	Servomotor
Max. speed	10 m/s
Repetition accuracy	±0,1 mm
Protection class	IP40
Ambient temperature	0 ... 60 °C
Area moment of inertia 2nd degree Ix	4,750E+03 mm ⁴
Area moment of inertia 2nd degree Iy	5,997E+03 mm ⁴
Max. drive torque	55.38 Nm
Max. force Fy	600 N
Max. force Fz	600 N
Max. idling displacement resistance	122 N
Max. feed force Fx	1,500 N
No-load driving torque	4.5 Nm
Mass moment of inertia JH per metre of stroke	7.605 kgcm ²
Mass moment of inertia JL per kg of working load	13.634 kgcm ²
Mass moment of inertia, JO	108.11 kgcm ²
Feed constant	232 mm/U
Lubrication interval, distance dependent	10,000 km
Additional weight per 10 mm stroke	143.93 g
Basic weight for 0 mm stroke	29,810 g
Material of end caps	Wrought Aluminium alloy Anodised
Material of profile	Wrought Aluminium alloy Anodised
Material drive head	Wrought Aluminium alloy Anodised
Material of guide	Steel
Material pulleys	High alloy steel, non-corrosive
Material slide	Wrought Aluminium alloy Anodised
Material toothed belt clamping piece	Stainless steel casting
Material toothed belt	polychloroprene with glass cord and nylon coating