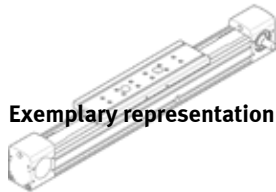


toothed belt axis DGE-25- -ZR-RF

Part number: 534391
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	28.65 mm
Working stroke	1 ... 5,000 mm
Size	25
Stroke reserve	63 mm
Toothed-belt stretch	0.16 %
Toothed-belt pitch	3 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	188E+03 mm ⁴
Area moment of inertia 2nd degree Iy	236E+03 mm ⁴
Max. drive torque	3.7 Nm
Max. force Fy	150 N
Max. force Fz	150 N
Max. idling displacement resistance	35 N
Max. feed force Fx	260 N
No-load driving torque	0.5 Nm
Mass moment of inertia JH per metre of stroke	0.188 kgcm ²
Mass moment of inertia JL per kg of working load	2.052 kgcm ²
Mass moment of inertia, JO	1.75 kgcm ²
Feed constant	90 mm/U
Lubrication interval, distance dependent	10,000 km
Additional weight per 10 mm stroke	30.1 g
Basic weight for 0 mm stroke	2,610 g
Material of end caps	Wrought Aluminium alloy Anodised
Material of profile	Wrought Aluminium alloy Anodised
Materials note	Contains PWIS substances
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