

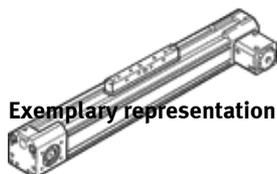
Toothed belt axis DGE-12- -ZR

Part number: 193740
Product to be discontinued

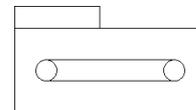
FESTO

Electromechanical linear axis with toothed belt.

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	12.09 mm
Working stroke	1 ... 1,000 mm
Size	12
Stroke reserve	36.5 mm
Toothed-belt stretch	0.1 %
Toothed-belt pitch	2 mm
Guide	Recirculating ball bearing guide Heavy-duty guide
Design structure	Electromechanical linear axis With toothed belt
Motor type	Stepper motor Servomotor
Max. acceleration	20 m/s ²
Max. speed	1.5 m/s
Repetition accuracy	±0,08 mm
Protection class	IP40
Ambient temperature	-10 ... 40 °C
Max. drive torque	0.18 Nm
Max. feed force F _x	30 N
No-load driving torque	0.08 Nm
Mass moment of inertia J _H per meter of stroke	0.009 kgcm ²
Mass moment of inertia J _L per kg of working load	0.365 kgcm ²
Feed constant	38 mm/U
Material of end caps	Wrought Aluminum alloy Anodized
Material of moment compensator	PA-reinforced
Material of profile	Wrought Aluminum alloy Anodized
Material cover tape	High alloy steel, non-corrosive
Material drive cover	Wrought Aluminum alloy Anodized
Material guide slide	Wrought Aluminum alloy Anodized
Material guide rail	Roller bearing steel