

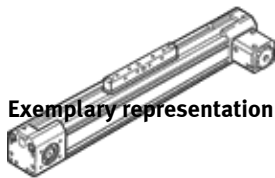
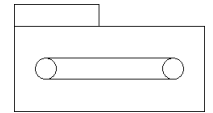
Toothed belt axis DGE-63- -ZR

Part number: 193744
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	56.02 mm
Working stroke	1 ... 4,500 mm
Size	63
Stroke reserve	176 mm
Toothed-belt stretch	0.15 %
Toothed-belt pitch	8 mm
Guide	Recirculating ball bearing guide Heavy-duty guide
Design structure	Electromechanical linear axis With toothed belt
Motor type	Stepper motor Servomotor
Max. acceleration	50 m/s ²
Max. speed	5 m/s
Repetition accuracy	±0,1 mm
Ambient temperature	-10 ... 40 °C
Max. drive torque	42 Nm
Max. feed force F _x	1,500 N
No-load driving torque	4.5 Nm
Mass moment of inertia J _H per meter of stroke	3.6 kgcm ²
Mass moment of inertia J _L per kg of working load	7.85 kgcm ²
Feed constant	176 mm/U
Material of end caps	Wrought Aluminum alloy Anodized
Material of moment compensator	Wrought Aluminum alloy Anodized
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 corrotec coated