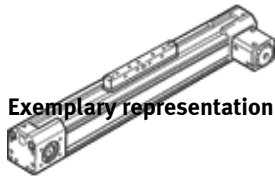
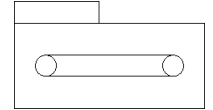


Toothed belt axis DGE-18- -ZR

Part number: 193741
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	16.55 mm
Working stroke	1 ... 1,000 mm
Size	18
Stroke reserve	46.5 mm
Toothed-belt stretch	0.2 %
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	2 m/s
Repetition accuracy	±0,08 mm
Ambient temperature	-10 ... 40 °C
Max. drive torque	0.5 Nm
Max. feed force F _x	60 N
No-load driving torque	0.2 Nm
Mass moment of inertia J _H per meter of stroke	0.021 kgcm ²
Mass moment of inertia J _L per kg of working load	0.685 kgcm ²
Feed constant	52 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