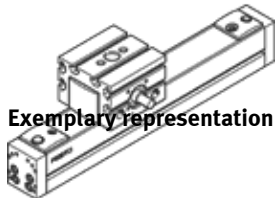


Electrical Cantilever axis DGEA-40- -ZR

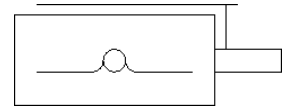
Part number: 195613
Product to be discontinued

FESTO

Electromechanical cantilever 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	38.2 mm
Working stroke	1 ... 1,000 mm
Size	40
Stroke reserve	120 mm
Toothed-belt stretch	0.056 %
Toothed-belt pitch	5 mm
Guide	Recirculating ball bearing guide
Design structure	Electromechanical Cantilever axis With toothed belt
Motor type	Stepper motor Servomotor
Max. speed	3 m/s
Repetition accuracy	±0,05 mm
Protection class	IP20
Ambient temperature	-10 ... 60 °C
Area moment of inertia 2nd degree Iy	1,759E+03 mm ⁴
Area moment of inertia 2nd degree Iz	1,894E+03 mm ⁴
Max. drive torque	19 Nm
Max. force Fx on projection	8,400 N
Max. force Fy	7,300 N
Max. force Fy on projection	3,200 N
Max. force Fz	7,300 N
Max. force Fz on projection	3,200 N
Max. torque Mx	133 Nm
Max. moment Mx on projection	118 Nm
Max. torque My	665 Nm
Max. moment My on projection	407 Nm
Max. torque Mz	460 Nm
Max. moment Mz on projection	580 Nm
Max. feed force Fx	1,000 N
No-load driving torque	1 Nm
Reference value for working load, horizontal	20 kg
Reference value for working load, vertical	27 kg
Mass moment of inertia JH per meter of stroke	36.5 kgcm ²
Mass moment of inertia JL per kg of working load	3.65 kgcm ²
Mass moment of inertia, JO	28 kgcm ²
Mass moment of inertia JO with second drive head	41.5 kgcm ²
Feed constant	120 mm/U
Working load at 0 mm stroke with second drive head	8,600 g
Moving mass with 0 mm stroke	6,200 g

Feature	Value
Basic load at 0 mm stroke with second drive head	23,200 g
Basic weight for 0 mm stroke	14,300 g
Additional mass factor per 10 mm of stroke	100 g
Material of end caps	Wrought Aluminum alloy Anodized
Material of drive head slide	Steel Galvanized
Material of profile	Wrought Aluminum alloy Anodized
Materials note	Contains PWIS substances
Material drive head	Wrought Aluminum alloy Anodized
Material guide rail	Roller bearing steel corrotec coated