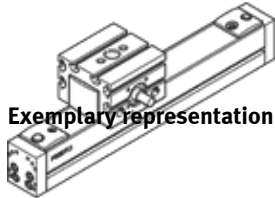


Electrical Cantilever axis DGEA-18- -ZR

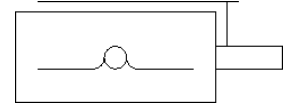
Part number: 195611
Product to be discontinued

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	25.78 mm
Working stroke	1 ... 800 mm
Size	18
Stroke reserve	81 mm
Toothed-belt stretch	0.037 %
Toothed-belt pitch	3 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	173E+03 mm ⁴
Area moment of inertia 2nd degree Iz	135E+03 mm ⁴
Max. drive torque	3 Nm
Max. force Fx on projection	6,000 N
Max. force Fy	2,000 N
Max. force Fy on projection	2,240 N
Max. force Fz	2,000 N
Max. force Fz on projection	2,240 N
Max. torque Mx	19 Nm
Max. moment Mx on projection	30 Nm
Max. torque My	94 Nm
Max. moment My on projection	125 Nm
Max. torque Mz	65 Nm
Max. moment Mz on projection	185 Nm
Max. feed force Fx	230 N
No-load driving torque	0.4 Nm
Reference value for working load, horizontal	5 kg
Reference value for working load, vertical	7 kg
Mass moment of inertia JH per meter of stroke	6 kgcm ²
Mass moment of inertia JL per kg of working load	1.66 kgcm ²
Mass moment of inertia, JO	2.87 kgcm ²
Mass moment of inertia JO with second drive head	4.08 kgcm ²
Feed constant	81 mm/U
Working load at 0 mm stroke with second drive head	2,000 g
Moving mass with 0 mm stroke	1,500 g

Feature	Value
Basic load at 0 mm stroke with second drive head	4,700 g
Basic weight for 0 mm stroke	2,800 g
Additional mass factor per 10 mm of stroke	35 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