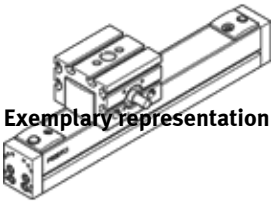
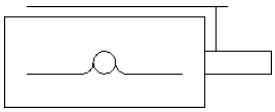
cantilever axis
DGEA-40- -ZR

Part number: 195613
Product to be discontinued

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 mm4
Area moment of inertia 2nd degree Iz	1,894E+03 mm4
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 metre of stroke	36.5 kgcm2
Mass moment of inertia JL per kg of working load	3.65 kgcm2
Mass moment of inertia, JO	28 kgcm2
Mass moment of inertia JO with second drive head	41.5 kgcm2
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 Aluminium alloy Anodised
Material of drive head slide	Steel Galvanised
Material of profile	Wrought Aluminium alloy Anodised
Materials note	Contains PWIS substances
Material drive head	Wrought Aluminium alloy Anodised
Material guide rail	Roller bearing steel corrotec coated