

Spindle Axis ELGC-BS-KF-45-800-10P - Festo 8061490

Item no. FES-8061490

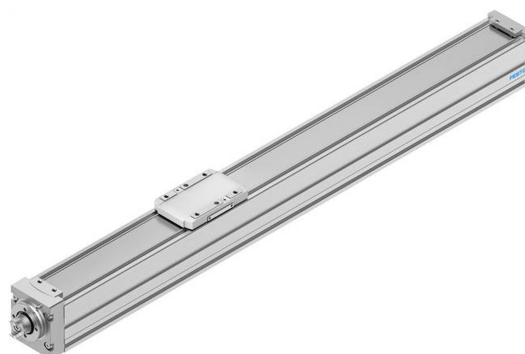
Manufacturer Festo

EAN 4052568295790

Festo pneumatic cylinder for precise linear motion and defined force in automation.

TECHNICAL DATA

Design	Electro-mechanical linear axis, With Ball screw
HS-Code	84799070
Mounting position	arbitrary
Protection rating	IP40
Series	ELGC
Temperature (max.)	50
Weight	3.1 kg



DESCRIPTION

Festo pneumatic cylinder for precise linear motion and defined force in automation. The key technical data of this genuine Festo article are listed below.

Working stroke [mm]	800
size	45
Stroke reserve [mm]	0
Spindle diameter [mm]	10
Spindle pitch [mm/U]	10
installation position	arbitrary
Guide	ball guide
Construction set up	Electro-mechanical linear axis With Ball screw
Motor type	Step motor Servo motor
Spindle type	Ball screw drive
Max. acceleration [m/s ²]	15
Max. speed [1/min]	3.600
Max. speed [m/s]	0,6
Repeatability	±0.015 mm

Protection category	IP40
ambient temperature [°C]	0 to 50
Flat torque 2nd grade Iy [mm4]	140000
Flat torque 2nd grade Iz [mm4]	170000
Empty run torque at maximum movement speed [Nm]	0,120
Empty run torque at minimum movement speed [Nm]	0,032
Max. force Fy [N]	300
Max. force Fz [N]	600
Fy for theoretical lifetime of 100 km (pure guide observation) [N]	1.104
Fz for theoretical lifetime of 100 km (purely management observation) [N]	2.208
Max. torque Mx [Nm]	5,5
Max. torque My [Nm]	4,7
Max. torque Mz [Nm]	4,7
Mx for theoretical lifetime of 100 km (Purely management observation) [Nm]	20
My for theoretical lifetime of 100 km (Purely management observation) [Nm]	17
Mz for theoretical lifetime of 100 km (Purely management observation) [Nm]	17
Max. feed force Fx [N]	100
Torsional moment of inertia to [mm4]	8.500
Mass inertia JH per metre stroke [kg/cm²]	0,05056
Mass inertia JL per kg usable load [kg/cm²]	0,025330
Mass inertia JO [kg/cm²]	0,00820
Feed constant [mm/U]	10
Moving mass [g]	220,0
Weight supplement per 10 mm stroke [g]	36
Dynamic bending (load moved)	0.05% of the axis length, maximum 0.5 mm
Static bending (load at standstill)	0.1 % of the axis length
Interface code actuator	V32
Closing cover material	Die cast aluminium, painted
Profile material	Aluminium wrought alloy, anodised
Material information	LABS containing materials included RoHs compliant
Masking tape material	High-alloyed stainless steels
Actuator cover material	Die cast aluminium, painted

Carriage guide material	Steel
Guide carriage material	Steel
Carriage material	Aluminium die casting
Spindle nut material	Steel
Spindle material	Steel