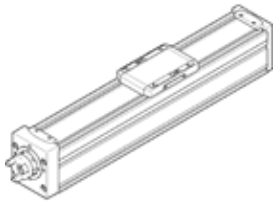
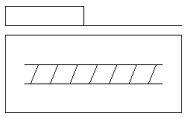
Osa vretena
ELGC-BS-KF-45-100-10P

Broj artikla: 8061484

FESTO





Tehnički podaci

Svojstvo	Vrednost
Radni hod	100 mm
Veličina	45
Rezerva hoda	0 mm
Reverzibilni zazor	0,15 mm
Prečnik vretena	10 mm
Uspon vretena	10 mm/U
Položaj ugradnje	proizvoljno
Vođica	Kugličnо vođenje
Konstruktivna struktura	Elektromehanička linearna osovina s kugličnim vretenom
Vrsta motora	Koračni motor Servomotor
Vreteno-tip	Ball screw
Prepoznavanje pozicije	za beskontaktni prekidač za induktivne senzore
Maks. ubrzanje	15 m/s2
Maks. brzina obrtanja	3.600 1/min
Maks. brzina	0,6 m/s
Tačnost ponavljanja	±0,015 mm
Trajanje uključenosti	100 %
PWIS conformity	VDMA24364 zone III
RSBP classification to CD-0033	F1a
Cleanroom class	ISO class 7
Mehanička zaštita	IP40
Temperatura okoline	0 ... 50 °C
Energija naleta u krajnjim položajima	0,5 mJ
Note on the impact energy it the end positions	At maximum homing speed of 0.01 m/s
Moment inercije 2. stepena Iy	140E+03 mm4
Moment inercije 2. stepena Iz	170E+03 mm4
No-load torque at maximum travel speed	0,12 Nm
No-load torque at minimum travel speed	0,032 Nm
Maks. sila Fy	300 N
Maks. sila Fz	600 N
Fy for the guide calculation for a service life of 5000 km or 5 million cycles	880 N
Fz for the guide calculation for a service life of 5000 km or 5 million cycles	880 N
Fy with theoretical service life of 100 km (from a guide perspective only)	3.240 N
Fz with theoretical service life of 100 km (from a guide perspective only)	3.240 N
Maks. moment Mx	5,5 Nm
Maks. moment My	4,7 Nm
Maks. moment Mz	4,7 Nm
Mx for the guide calculation for a service life of 5000 km or 5 million cycles	5,5 Nm
My for the guide calculation for a service life of 5000 km or 5 million cycles	4,7 Nm
Mz for the guide calculation for a service life of 5000 km or 5 million cycles	4,7 Nm
Mx with theoretical service life of 100 km (from a guide perspective only	20 Nm
My with theoretical service life of 100 km (from a guide perspective only)	17 Nm
Mz with theoretical service life of 100 km (from a guide perspective only)	17 Nm

Svojstvo	Vrednost
Distance between the slide surface and the centre of the guide	42,8 mm
Maks. radijalna sila na pogonskom vretenu	180 N
Maks. Ulazna sila Fx	100 N
Obrtni moment inercije It	8,5E+03 mm4
Moment inercije, JH po metru hoda	0,05056 kgcm2
Moment inercije, JL po kg korisnog tereta	0,02533 kgcm2
Moment inercije JO	0,0082 kgcm2
Konstanta posmaka	10 mm/U
Interval održavanja	Trajno podmazivanje
Pokretna masa	220 g
Dodatna težine po 10 mm hoda	36 g
Dynamic deflection (load moved)	0.05% of the axis length, max. 0.5 mm
Static deflection (load at standstill)	0.1% of the axis length
Interface code, actuator	V32
Material of end caps	Die-cast aluminium, painted
Material of profile	Anodised wrought aluminium alloy
Materijal - napomena	RoHS komfornost
Material cover tape	visokolegirani čelik, nerđajući
Material drive cover	Die-cast aluminium, painted
Material guide slide	Čelik
Material guide rail	Čelik
Material slide	Aluminijumski odlivak
Material spindle nut	Čelik
Material spindle	Čelik