

Osa vretena ELGC-BS-KF-60-100-12P

Broj artikla: 8061491

FESTO



Tehnički podaci

Svojstvo	Vrednost
Radni hod	100 mm
Veličina	60
Rezerva hoda	0 mm
Reverzibilni zazor	0,15 mm
Prečnik vretena	12 mm
Uspjon vretena	12 mm/U
Položaj ugradnje	proizvoljno
Vođica	Kuglično 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/s ²
Maks. brzina obrtanja	4.000 1/min
Maks. brzina	0,8 m/s
Tačnost ponavljanja	±0,01 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	1 mJ
Note on the impact energy at the end positions	At maximum homing speed of 0.01 m/s
Moment inercije 2. stepena ly	441E+03 mm ⁴
Moment inercije 2. stepena lz	542E+03 mm ⁴
No-load torque at maximum travel speed	0,246 Nm
No-load torque at minimum travel speed	0,042 Nm
Maks. sila Fy	600 N
Maks. sila Fz	1.800 N
Fy for the guide calculation for a service life of 5000 km or 5 million cycles	3.641 N
Fz for the guide calculation for a service life of 5000 km or 5 million cycles	3.641 N
Fy with theoretical service life of 100 km (from a guide perspective only)	13.400 N
Fz with theoretical service life of 100 km (from a guide perspective only)	13.400 N
Maks. moment Mx	29,1 Nm
Maks. moment My	31,8 Nm
Maks. moment Mz	31,8 Nm
Mx for the guide calculation for a service life of 5000 km or 5 million cycles	29,1 Nm
My for the guide calculation for a service life of 5000 km or 5 million cycles	31,8 Nm
Mz for the guide calculation for a service life of 5000 km or 5 million cycles	31,8 Nm
Mx with theoretical service life of 100 km (from a guide perspective only)	107 Nm
My with theoretical service life of 100 km (from a guide perspective only)	117 Nm
Mz with theoretical service life of 100 km (from a guide perspective only)	117 Nm

Svojstvo	Vrednost
Distance between the slide surface and the centre of the guide	54,6 mm
Maks. radialna sila na pogonskom vretenu	230 N
Maks. Ulazna sila Fx	200 N
Obrtni moment inercije It	29,8E+03 mm ⁴
Moment inercije, JH po metru hoda	0,10779 kgcm ²
Moment inercije, JL po kg korisnog tereta	0,036476 kgcm ²
Moment inercije JO	0,02235 kgcm ²
Konstanta posmaka	12 mm/U
Interval održavanja	Trajno podmazivanje
Pokretna masa	525 g
Dodatna težine po 10 mm hoda	51 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	T42
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