

# Osa vretena ELGT-BS-90-500-20P

Broj artikla: 8124427

FESTO



## Tehnički podaci

Svojstvo	Vrednost
Radni hod	500 mm
Veličina	90
Rezerva hoda	0 mm
Reverzibilni zazor	$\leq 0,15 \mu\text{m}$
Prečnik vretena	15 mm
Ušpon vretena	20 mm/U
Položaj ugradnje	proizvoljno
Vođica	Kuglično vođenje
Konstruktivna struktura	Elektromehanička linearna osovina s kugličnim vretenom
Vrsta motora	Koračni motor Servomotor
Vreteno-tip	Kuglično vreteno
Varijante	Recommended for production facilities for the manufacture of lithium-ion batteries
Maks. ubrzanje	15 m/s <sup>2</sup>
Maks. brzina obrtanja	3.000 1/min
Maks. brzina	1 m/s
Tačnost ponavljanja	$\pm 0,02 \text{ mm}$
Trajanje uključenosti	100 %
PWIS conformity	VDMA24364 zone III
RSBP classification to CD-0033	F1a
Cleanroom class	ISO class 6
Mehanička zaštita	IP20
Temperatura okoline	0 ... 50 °C
Konstantna ulazna sila	810 N
Moment inercije 2. stepena ly	631E+03 mm <sup>4</sup>
Moment inercije 2. stepena lz	1.948E+03 mm <sup>4</sup>
No-load torque at maximum travel speed	0,2 Nm
No-load torque at minimum travel speed	0,04 Nm
Maks. sila Fy	4.710 N
Maks. sila Fz	5.600 N
Fy with theoretical service life of 100 km (from a guide perspective only)	17.352 N
Fz with theoretical service life of 100 km (from a guide perspective only)	20.631 N
Maks. moment Mx	65 Nm
Maks. moment My	51 Nm
Maks. moment Mz	51 Nm
Mx with theoretical service life of 100 km (from a guide perspective only)	239 Nm
My with theoretical service life of 100 km (from a guide perspective only)	188 Nm
Mz with theoretical service life of 100 km (from a guide perspective only)	188 Nm
Maks. radijalna sila na pogonskom vretenu	290 N
Maks. Ulazna sila Fx	810 N
Obrtni moment inercije lt	151E+03 mm <sup>4</sup>
Moment inercije, JH po metru hoda	0,2522 kgcm <sup>2</sup>
Moment inercije, JL po kg korisnog tereta	0,1013 kgcm <sup>2</sup>
Moment inercije JO	0,2291 kgcm <sup>2</sup>

Svojstvo	Vrednost
Konstanta posmaka	20 mm/U
Pokretna masa	1.645 g
Težina proizvoda	9.469 g
Osnovna težina kod hoda 0 mm	4.353 g
Dodatna težine po 10 mm hoda	104 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	T46
Material of end caps	Die-cast aluminium, painted
Material of profile	Anodised wrought aluminium alloy
Materijal - napomena	RoHS komfornost
Material drive cover	Die-cast aluminium, painted
Material guide slide	Čelik
Material guide rail	Čelik
Material slide	Anodised wrought aluminium alloy
Material spindle nut	Čelik
Material spindle	Čelik