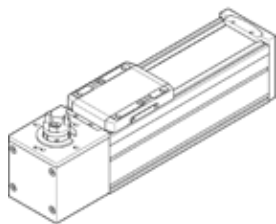


# Osovina sa zupčastim kaišem

## ELGC-TB-KF-80-500

Broj artikla: 8062788

FESTO



## Tehnički podaci

Svojstvo	Vrednost
Pogonski manji zupčanik, efektivni prečnik	33,42 mm
Radni hod	500 mm
Veličina	80
Rezerva hoda	0 mm
Zupčasti kaiš, istezanje	0,2 %
Zupčasti kaiš, podela	3 mm
Položaj ugradnje	proizvoljno
Vođica	Kuglično vođenje
Konstruktivna struktura	Elektromehanička linearna osovina sa zupčastim remenom
Vrsta motora	Koračni motor Servomotor
Metod merenja sistema merne letve	inkrementalno
Prepoznavanje pozicije	za beskontaktni prekidač za induktivne senzore
Maks. ubrzanje	15 m/s <sup>2</sup>
Maks. brzina	1,5 m/s
Tačnost ponavljanja	±0,1 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	0,75 mJ
Note on the impact energy at the end positions	At maximum homing speed of 0.01 m/s
Moment inercije 2. stepena ly	1.370E+03 mm <sup>4</sup>
Moment inercije 2. stepena lz	1.660E+03 mm <sup>4</sup>
Maks. pogonski moment	4,178 Nm
Maks. sila Fy	900 N
Maks. sila Fz	2.700 N
Fy for the guide calculation for a service life of 5000 km or 5 million cycles	5.543 N
Fz for the guide calculation for a service life of 5000 km or 5 million cycles	5.543 N
Fy with theoretical service life of 100 km (from a guide perspective only)	20.400 N
Fz with theoretical service life of 100 km (from a guide perspective only)	20.400 N
Maks. otpor praznog hoda	24,7 N
Maks. moment Mx	59,8 Nm
Maks. moment My	56,2 Nm
Maks. moment Mz	56,2 Nm
Mx for the guide calculation for a service life of 5000 km or 5 million cycles	59,8 Nm
My for the guide calculation for a service life of 5000 km or 5 million cycles	56,2 Nm
Mz for the guide calculation for a service life of 5000 km or 5 million cycles	56,2 Nm
Mx with theoretical service life of 100 km (from a guide perspective only)	220 Nm
My with theoretical service life of 100 km (from a guide perspective only)	207 Nm
Mz with theoretical service life of 100 km (from a guide perspective only)	207 Nm
Distance between the slide surface and the centre of the guide	72,5 mm

Svojstvo	Vrednost
Maks. Ulazna sila Fx	250 N
Pogonski moment u praznom hodu	0,413 Nm
Obrtni moment inercije It	90,5E+03 mm <sup>4</sup>
Moment inercije, JH po metru hoda	0,1927 kgcm <sup>2</sup>
Moment inercije, JL po kg korisnog tereta	2,793 kgcm <sup>2</sup>
Moment inercije JO	2,912 kgcm <sup>2</sup>
Konstanta posmaka	105 mm/U
Interval održavanja	Trajno podmazivanje
Pokretna masa	901 g
Pokretna masa kod hoda 0 mm	901 g
Težina klizača	272 g
Težina proizvoda	7.142 g
Osnovna težina kod hoda 0 mm	3.500 g
Dodatna težine po 10 mm hoda	73 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 cover tape	nerđajući plemeniti tračni čelik
Material drive cover	Die-cast aluminium, painted
Material guide slide	Čelik za poboljšanje
Material guide rail	Čelik za poboljšanje
Material pulleys	visokolegirani čelik, nerđajući
Material slide	Aluminijumski odlivak
Material toothed belt	Polihloropren sa staklenim vlaknima