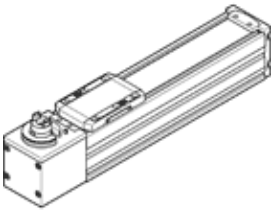
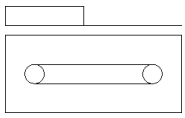
Osovina sa zupčastim kaišem
ELGC-TB-KF-45-600

Broj artikla: 8062771

FESTO





Tehnički podaci

Svojstvo	Vrednost
Pogonski manji zupčanik, efektivni prečnik	19,1 mm
Radni hod	600 mm
Veličina	45
Rezerva hoda	0 mm
Zupčasti kaiš, istezanje	0,187 %
Zupčasti kaiš, podela	2 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/s2
Maks. brzina	1,2 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	0,125 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
Maks. pogonski moment	0,716 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. otpor praznog hoda	7,8 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
Distance between the slide surface and the centre of the guide	42,8 mm

Svojstvo	Vrednost
Maks. Ulazna sila Fx	75 N
Pogonski moment u praznom hodu	0,075 Nm
Obrtni moment inercije It	8,5E+03 mm4
Moment inercije, JH po metru hoda	0,0281 kgcm2
Moment inercije, JL po kg korisnog tereta	0,9119 kgcm2
Moment inercije JO	0,1862 kgcm2
Konstanta posmaka	60 mm/U
Interval održavanja	Trajno podmazivanje
Pokretna masa	169 g
Pokretna masa kod hoda 0 mm	169 g
Težina klizača	55 g
Težina proizvoda	2.135 g
Osnovna težina kod hoda 0 mm	760 g
Dodatna težine po 10 mm hoda	23 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	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