Spindle axis ELGT-BS-160-500-20P Part number: 8124530







Data sheet

Value
500 mm
160
0 mm
<= 0.15 μm
20 mm
20 mm/U
Any
Recirculating ball bearing guide
Electromechanical linear axis
with recirculating ball bearing spindle
Stepper motor
Servomotor
Ball screw actuator
Recommended for production facilities for the manufacture of lithium-
ion batteries
15 m/s2
3,000 1/min
1 m/s
±0,02 mm
100 %
VDMA24364 zone III
F1a
ISO class 8
IP20
0 50 °C
1,045 N
1,411E+03 mm4
15,257E+03 mm4
0.4 Nm
0.14 Nm
9,550 N
11,370 N
35,183 N
41,887 N
600 Nm
560 Nm
560 Nm
2,210 Nm
2,063 Nm
2,063 Nm
290 N
1,045 N
726E+03 mm4
0.9027 kgcm2
0.1013 kgcm2
0.6342 kgcm2



Feature	Value	
Feed constant	20 mm/U	
Moving mass	3,842 g	
Product weight	19,034 g	
Basic weight for 0 mm stroke	9,601 g	
Additional weight per 10 mm stroke	188 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	
Materials note	Conforms to RoHS	
Material drive cover	Die-cast aluminium, painted	
Material guide slide	Steel	
Material guide rail	Steel	
Material slide	Anodised wrought aluminium alloy	
Material spindle nut	Steel	
Material spindle	Steel	