spindle axis ELGT-BS-120-300-20P Part number: 8124496







Data sheet

Value
300 mm
120
0 mm
<= 0.15 μm
15 mm
20 mm/U
Any
Recirculating ball bearing guide
Electromechanical linear axis
with recirculating ball bearing spindle
Stepper motor
Servomotor
Ball screw spindle
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
805 N
966E+03 mm4
6,011E+03 mm4
0.3 Nm
0.08 Nm
6,800 N
8,090 N
25,051 N
29,804 N
300 Nm
310 Nm
310 Nm
1,105 Nm
1,142 Nm
1,142 Nm
290 N
805 N
506E+03 mm4
0.2522 kgcm2
0.1013 kgcm2
0.2654 kgcm2



Feature	Value	
Feed constant	20 mm/U	
Moving mass	2,036 g	
Product weight	8,893 g	
Basic weight for 0 mm stroke	5,235 g	
Additional weight per 10 mm stroke	124 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	