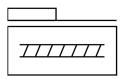
Spindle axis ELGT-BS-120-550-10P Part number: 8124456







Data sheet

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rotational speed 3000 r speed 0.5 m/	with copper, zinc or nickel as main constituent are excluded from exceptions are nickel in steel, chemically nickel-plated surfaces, d circuit boards, cables, electrical plug connectors and coils.
speed 0.5 m/	52
•	pm
tition accuracy ±0.02	's
	mm
cycle 100%	
G (PWIS) conformity VDMA	24364 zone III
from u	with more than 1% copper, zinc or nickel by mass are excluded se. Exceptions are nickel in steel, chemically nickel-plated es, printed circuit boards, cables, electrical plug connectors and
rroom class Class 8	3 according to ISO 14644-1
ee of protection IP20	
ent temperature 0 °C	50 °C
inuous feed force 1265 N	N
moment of area ly 96600	0 mm⁴
moment of area Iz 60110	00 mm⁴
orque at vmax 0.3 Nn	1

Feature	Value
Idle torque at vmin	0.08 Nm
Max. force Fy	6800 N
Max. force Fz	8090 N
Fy at theoretical life value of 100 km (only guide consideration)	25051 N
Fz at theoretical life value of 100 km (only guide consideration)	29804 N
Max. moment Mx	300 Nm
Max. moment My	310 Nm
Max. moment Mz	310 Nm
Mx at theoretical life value of 100 km (only guide consideration)	1105 Nm
My at theoretical life value of 100 km (only guide consideration)	1142 Nm
Mz at theoretical life value of 100 km (only guide consideration)	1142 Nm
Max. radial force at drive shaft	290 N
Max. feed force Fx	1265 N
Torsional mass moment of inertia It	506000 mm⁴
Mass moment of inertia JH per metre of stroke	0.3453 kgcm ²
Mass moment of inertia JL per kg of working load	0.0253 kgcm ²
Mass moment of inertia JO	0.1306 kgcm²
Feed constant	10 mm/U
Moving mass	2019 g
Product weight	12070 g
Basic weight for 0 mm stroke	5259 g
Additional weight per 10 mm stroke	124 g
Dynamic deflection (moving load)	0.05% of the axis length, max. 0.5 mm
Static deflection (load in standstill)	0.1% of the axis length
Interface code, actuator	T46
Material end cap	Painted die cast aluminium
Material profile	Anodised wrought aluminium alloy
Note on materials	RoHS-compliant
Material drive cover	Painted die cast aluminium
Material guide slide	Steel
Material guide rail	Steel
Material slide	Anodised wrought aluminium alloy
Material spindle nut	Steel
Material spindle	Steel