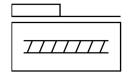
Ball screw linear actuator ELGC-BS-KF-45-500-10P

FESTO

Part number: 8061488





Data sheet

Size 45 Stroke reserve 0 mm Screw diameter 10 mm Spindle pitch 10 mm/U Type code ELGC Mounting position Any Guide Recirculating ball bearing guide Design Electromechanical linear axis with ball screw Motor type Stepper motor Servio motor Spindle type Ball screw drive Symbol 00991211 Max. acceleration 15 m/s² Max. rotational speed 3600 1/min Max. speed 9,0.6 m/s Repetition accuracy 40.015 mm Degree of protection P40 Mambient temperature 0°C 50 °C 2nd moment of area ly 140000 mm² 2nd moment of area ly 170000 mm² No-load torque at maximum travel speed 0.032 km Max. force Fy 300 N Max. force Fy 100 km (from a guide perspective only) Fx with theoretical service life of 100 km (from a guide perspective only) Max. torque Mx Mx. with theoretical service life of 100 km (from a guide perspective only) My with theoretical service life of 100 km (from a guide perspective only) My with theoretical service life of 100 km (from a guide perspective only) My with theoretical service life of 100 km (from a guide perspective only) My with theoretical service life of 100 km (from a guide perspective only) My with theoretical service life of 100 km (from a guide perspective only) My with theoretical service life of 100 km (from a guide perspective only) My with theoretical service life of 100 km (from a guide perspective only) My with theoretical service life of 100 km (from a guide perspective only) My with theoretical service life of 100 km (from a guide perspective only) My with theoretical service life of 100 km (from a guide perspective only) Mz with theoretical service life of 100 km (from a guide perspective only) Mz with theoretical service life of 100 km (from a guide perspective only) Mz with theoretical service life of 100 km (from a guide perspective only) Mz with theoretical service life of 100 km (from a guide perspective only)	Feature	Value
Strew diameter 10 mm Strew diameter 10 mm Type code	Working stroke	500 mm
Screw diameter 10 mm Spindle pitch 10 mm/U Type code ELGC Any Mounting position Any Guide Recirculating ball bearing guide Design Electromechanical linear axis with ball screw Motor type Stepper motor Servo motor Spindle type Ball screw drive Symbol 00991211 Max. acceleration 15 m/s² Max. rotational speed 3600 1/min Max. speed 0.6 m/s Repetition accuracy 0.6 m/s Repetition accuracy 0.00 mm Degree of protection 1P40 Ambient temperature 0° C 50° C 2nd moment of area ly 100000 mm² No-load torque at maximum travel speed 0.12 Nm No-load torque at minimum travel speed 0.032 Nm Max. force Fy Max. force Fy Max. force Fy What. force Fy What. force Fy What. force Fy Max. torque Mx Max. torque My Max. torque My Mx. with theoretical service life of 100 km (from a guide perspective only) Mx. with theoretical service life of 100 km (from a guide perspective only) My with theoretical service life of 100 km (from a guide perspective only) Mx. with theoretical service life of 100 km (from a guide perspective only) Mx. with theoretical service life of 100 km (from a guide perspective only) Mx. with theoretical service life of 100 km (from a guide perspective only) Mx. with theoretical service life of 100 km (from a guide perspective only) Mx. with theoretical service life of 100 km (from a guide perspective only) Mx. with theoretical service life of 100 km (from a guide perspective only) Mx. with theoretical service life of 100 km (from a guide perspective only) Mx. with theoretical service life of 100 km (from a guide perspective only) Mx. with theoretical service life of 100 km (from a guide perspective only) Mx. with theoretical service life of 100 km (from a guide perspective only) Mx. with theoretical service life of 100 km (from a guide perspective only) Mx. with theoretical service life of 100 km (from a guide perspective only)	Size	45
Spindle pitch Type code ELGC Mounting position Any Guide Recirculating ball bearing guide Design Electromechanical linear axis with ball screw Motor type Stepper motor Servi motor Spindle type Ball screw drive Symbol 00991211 Max. acceleration 15 m/s² Max. rotational speed 0.6 m/s Repetition accuracy 10.015 mm Degree of protection PAG0 Ambient temperature 0 °C 50 °C 2nd moment of area ly 2nd moment of area ly 170000 mm⁴ No-load torque at maximum travel speed 0.032 Nm Max. force Fy 300 N Max. force Fy 300 N Max. force Fz Fy with theoretical service life of 100 km (from a guide perspective only) Max. torque Mx Max. torque Mx Max. torque Mx Mx. torque Mz Mx. with theoretical service life of 100 km (from a guide perspective only) My with theoretical service life of 100 km (from a guide perspective only) My with theoretical service life of 100 km (from a guide perspective only) Mx. with theoretical service life of 100 km (from a guide perspective only) Mx. with theoretical service life of 100 km (from a guide perspective only) Mx. with theoretical service life of 100 km (from a guide perspective only) Mx. with theoretical service life of 100 km (from a guide perspective only) Mx. with theoretical service life of 100 km (from a guide perspective only) Mx. with theoretical service life of 100 km (from a guide perspective only) Mx. with theoretical service life of 100 km (from a guide perspective only) Mx. with theoretical service life of 100 km (from a guide perspective only) Mx. with theoretical service life of 100 km (from a guide perspective only) Mx. with theoretical service life of 100 km (from a guide perspective only) Mx. with theoretical service life of 100 km (from a guide perspective only) Mx. with theoretical service life of 100 km (from a guide perspective only) Mx. with theoretical service life of 100 km (from a guide perspective only) Mx. with theoretical service life of 100 km (from a guide perspective only)	Stroke reserve	0 mm
Type code ELGC Mounting position Any Rectirculating ball bearing guide Electromechanical linear axis with ball screw Motor type Stepper motor Servo motor Spindle type Ball screw drive Symbol 00991211 Max. acceleration 15 m/s² Max. rotational speed Max. rotational speed Max. speed 0.6 m/s Repetition accuracy 20.015 mm Degree of protection IP40 Ambient temperature 0° C 50° C 2nd moment of area ly 2nd moment of area ly 170000 mm² No-load torque at maximum travel speed No-load torque at minimum	Screw diameter	10 mm
Mounting position Guide Recirculating ball bearing guide Design Electromechanical linear axis with ball screw Motor type Stepper motor Servo motor Sprindle type Spindle type	Spindle pitch	10 mm/U
Besign Electromechanical linear axis with ball screw Motor type Stepper motor Servo motor Spindle type Ball screw drive Symbol Max. acceleration 15 m/s² Max. rotational speed 3600 1/min Max. speed 0.6 m/s Repetition accuracy 40.015 mm Degree of protection Ambient temperature 0°C 50°C 2nd moment of area ly 140000 mm² 2nd moment of area lz No-load torque at maximum travel speed 0.22 Nm Max. force Fy 300 N Max. force Fz Fy with theoretical service life of 100 km (from a guide perspective only) Max. torque Mx Max. torque Mx Max. torque Mx Max. torque Mx Mx with theoretical service life of 100 km (from a guide perspective only) My with theoretical service life of 100 km (from a guide perspective only) My with theoretical service life of 100 km (from a guide perspective only) My with theoretical service life of 100 km (from a guide perspective only) Mx with theoretical service life of 100 km (from a guide perspective only) Mx with theoretical service life of 100 km (from a guide perspective only) Mx with theoretical service life of 100 km (from a guide perspective only) Mx with theoretical service life of 100 km (from a guide perspective only) Mx with theoretical service life of 100 km (from a guide perspective only) Mx with theoretical service life of 100 km (from a guide perspective only) Mx with theoretical service life of 100 km (from a guide perspective only) Mx with theoretical service life of 100 km (from a guide perspective only) Mx with theoretical service life of 100 km (from a guide perspective only) Mx with theoretical service life of 100 km (from a guide perspective only) Mx with theoretical service life of 100 km (from a guide perspective only) Mx with theoretical service life of 100 km (from a guide perspective only) Mx with theoretical service life of 100 km (from a guide perspective only) Mx with theoretical service life of 100 km (from a guide perspective only) Mx with theoretical service life of 100 km (from a guide perspective only)	Type code	ELGC
Electromechanical linear axis with ball screw Motor type Stepper motor Servo motor Spindle type Ball screw drive Symbol 00991211 Max. acceleration 15 m/s² Max. rotational speed Max. rotational speed 0.6 m/s Repetition accuracy 2.0.015 mm Degree of protection 1P40 Ambient temperature 0°C 50 °C 2nd moment of area ly 170000 mm² No-load torque at maximum travel speed 0.12 Nm No-load torque at minimum travel speed 0.032 Nm Max. force Fy Max. force Fz Fy with theoretical service life of 100 km (from a guide perspective only) Max. torque Mx Max. torque Mx Mx. torque Mx Mx. torque Mx Mx. torque My Mx. torque Mx Mx. torque Mx Mx with theoretical service life of 100 km (from a guide perspective only) Mx with theoretical service life of 100 km (from a guide perspective only) Mx with theoretical service life of 100 km (from a guide perspective only) Mx with theoretical service life of 100 km (from a guide perspective only) Mx with theoretical service life of 100 km (from a guide perspective only) Mx with theoretical service life of 100 km (from a guide perspective only) Mx with theoretical service life of 100 km (from a guide perspective only) Mx with theoretical service life of 100 km (from a guide perspective only) Mx with theoretical service life of 100 km (from a guide perspective only) Mx with theoretical service life of 100 km (from a guide perspective only) Mx with theoretical service life of 100 km (from a guide perspective only) Mx with theoretical service life of 100 km (from a guide perspective only) Mx with theoretical service life of 100 km (from a guide perspective only) Mx with theoretical service life of 100 km (from a guide perspective only) Mx with theoretical service life of 100 km (from a guide perspective only) Mx with theoretical service life of 100 km (from a guide perspective only) Mx with theoretical service life of 100 km (from a guide perspective only)	Mounting position	Any
Motor type Stepper motor Servo motor Spindle type Ball screw drive Symbol Oo991211 Max. acceleration 15 m/s² Max. rotational speed 3600 1/min Max. speed 0.6 m/s Repetition accuracy 20.015 mm Degree of protection IP40 Ambient temperature 0°C50°C 2nd moment of area ly 140000 mm² 2nd moment of area lz 170000 mm² No-load torque at maximum travel speed 0.12 Nm No-load torque at minimum travel speed 0.032 Nm Max. force Fy 300 N Max. force Fy 300 N Max. force Fy 300 N Max. torque fy Max. torque Mx 4.7 Nm Max. torque Mx Mx. torque My	Guide	Recirculating ball bearing guide
Servo motor Spindle type Ball screw drive O0991211 Max. acceleration 15 m/s² Max. rotational speed 3600 1/min Max. speed 0.6 m/s Repetition accuracy ±0.015 mm Degree of protection IP40 Ambient temperature 0°C 50°C 2nd moment of area ly 140000 mm⁴ 2nd moment of area lz 170000 mm⁴ No-load torque at maximum travel speed 0.12 Nm No-load torque at minimum travel speed 0.032 Nm Max. force Fy 300 N Max. force Fy yith theoretical service life of 100 km (from a guide perspective only) Ex with theoretical service life of 100 km (from a guide perspective only) Max. torque Mx 4.7 Nm Max. torque My Mx. tor	Design	
Symbol 00991211 Max. acceleration 15 m/s² Max. rotational speed 3600 1/min Max. speed 0.6 m/s Repetition accuracy ±0.015 mm Degree of protection IP40 Ambient temperature 0°C 50°C 2nd moment of area ly 140000 mm⁴ 2nd moment of area lz 170000 mm⁴ No-load torque at maximum travel speed 0.12 Nm No-load torque at minimum travel speed 0.032 Nm Max. force Fy 300 N Max. force Fy 300 N Max. force Fz 600 N Fz with theoretical service life of 100 km (from a guide perspective only) 1104 N Fz with theoretical service life of 100 km (from a guide perspective only) 2208 N Max. torque Mx 5.5 Nm Max. torque My 4.7 Nm Mx with theoretical service life of 100 km (from a guide perspective only) 100 Nm Mx with theoretical service life of 100 km (from a guide perspective only) 17 Nm Mx with theoretical service life of 100 km (from a guide perspective only) 17 Nm	Motor type	
Max. acceleration 15 m/s² Max. rotational speed 3600 1/min Max. speed 0.6 m/s Repetition accuracy ±0.015 mm Degree of protection IP40 Ambient temperature 0°C 50°C 2nd moment of area ly 140000 mm⁴ 2nd moment of area lz 170000 mm⁴ No-load torque at maximum travel speed 0.12 Nm No-load torque at minimum travel speed 0.032 Nm Max. force Fy 300 N Max. force Fz 600 N Fy with theoretical service life of 100 km (from a guide perspective only) 1104 N Fz with theoretical service life of 100 km (from a guide perspective only) 2208 N Max. torque Mx 5.5 Nm Max. torque My 4.7 Nm Max. torque Mz Mx with theoretical service life of 100 km (from a guide perspective only) 20 Nm Mx with theoretical service life of 100 km (from a guide perspective only) 17 Nm Mx with theoretical service life of 100 km (from a guide perspective only) 17 Nm	Spindle type	Ball screw drive
Max. rotational speed Max. sp	Symbol	00991211
Max. speed 0.6 m/s Repetition accuracy ±0.015 mm Degree of protection IP40 Ambient temperature 0°C 50°C 2nd moment of area ly 140000 mm ⁴ 2nd moment of area lz 170000 mm ⁴ No-load torque at maximum travel speed 0.12 Nm No-load torque at minimum travel speed 0.032 Nm Max. force Fy 300 N Max. force Fz 600 N Fy with theoretical service life of 100 km (from a guide perspective only) 1104 N Fz with theoretical service life of 100 km (from a guide perspective only) 2208 N Max. torque Mx 5.5 Nm Max. torque My 4.7 Nm Max. torque My 4.7 Nm Max. torque Mz 4.7 Nm Max 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 My with theoretical service life of 100 km (from a guide perspective only) 17 Nm	Max. acceleration	15 m/s ²
Repetition accuracy ±0.015 mm Degree of protection Ambient temperature 0°C 50°C 2nd moment of area ly 140000 mm ⁴ 2nd moment of area lz 170000 mm ⁴ No-load torque at maximum travel speed 0.12 Nm No-load torque at minimum travel speed 0.032 Nm Max. force Fy 300 N Max. force Fz 600 N Fy with theoretical service life of 100 km (from a guide perspective only) Ex with theoretical service life of 100 km (from a guide perspective only) Max. torque Mx 5.5 Nm Max. torque My 4.7 Nm Max. torque My 4.7 Nm Max. torque Mz Mx with theoretical service life of 100 km (from a guide perspective only) My with theoretical service life of 100 km (from a guide perspective only) My with theoretical service life of 100 km (from a guide perspective only) My with theoretical service life of 100 km (from a guide perspective only) My with theoretical service life of 100 km (from a guide perspective only) My with theoretical service life of 100 km (from a guide perspective only) Ty Nm	Max. rotational speed	3600 1/min
Degree of protection Ambient temperature O °C 50 °C 2nd moment of area ly 140000 mm ⁴ 2nd moment of area lz 170000 mm ⁴ No-load torque at maximum travel speed O.12 Nm No-load torque at minimum travel speed O.32 Nm Max. force Fy 300 N Max. force Fz 600 N Fy with theoretical service life of 100 km (from a guide perspective only) Fz with theoretical service life of 100 km (from a guide perspective only) Max. torque Mx 5.5 Nm Max. torque My 4.7 Nm Max. torque Mz Mx with theoretical service life of 100 km (from a guide perspective only) My with theoretical service life of 100 km (from a guide perspective only) My with theoretical service life of 100 km (from a guide perspective only) My with theoretical service life of 100 km (from a guide perspective only) My with theoretical service life of 100 km (from a guide perspective only) My with theoretical service life of 100 km (from a guide perspective only) My with theoretical service life of 100 km (from a guide perspective only) My with theoretical service life of 100 km (from a guide perspective only) My with theoretical service life of 100 km (from a guide perspective only) My with theoretical service life of 100 km (from a guide perspective only)	Max. speed	0.6 m/s
Ambient temperature 2nd moment of area ly 2nd moment of area lz 170000 mm ⁴ 2nd moment of area lz No-load torque at maximum travel speed 0.12 Nm No-load torque at minimum travel speed 0.032 Nm Max. force Fy 300 N Max. force Fz 600 N Fy with theoretical service life of 100 km (from a guide perspective only) Fz with theoretical service life of 100 km (from a guide perspective only) Max. torque Mx 5.5 Nm Max. torque My 4.7 Nm Max. torque Mz Mx with theoretical service life of 100 km (from a guide perspective only) Mx with theoretical service life of 100 km (from a guide perspective only) My with theoretical service life of 100 km (from a guide perspective only) Mx with theoretical service life of 100 km (from a guide perspective only) My with theoretical service life of 100 km (from a guide perspective only) Mx with theoretical service life of 100 km (from a guide perspective only) Mx with theoretical service life of 100 km (from a guide perspective only) Mx with theoretical service life of 100 km (from a guide perspective only) Mx with theoretical service life of 100 km (from a guide perspective only) Mx with theoretical service life of 100 km (from a guide perspective only) Mx with theoretical service life of 100 km (from a guide perspective only)	Repetition accuracy	±0.015 mm
2nd moment of area ly 2nd moment of area lz 170000 mm ⁴ No-load torque at maximum travel speed 0.12 Nm No-load torque at minimum travel speed 0.032 Nm Max. force Fy 300 N Max. force Fz 600 N Fy with theoretical service life of 100 km (from a guide perspective only) Fy with theoretical service life of 100 km (from a guide perspective only) Max. torque Mx 5.5 Nm Max. torque My 4.7 Nm Max. torque Mz Mx with theoretical service life of 100 km (from a guide perspective only) Mx with theoretical service life of 100 km (from a guide perspective only) My with theoretical service life of 100 km (from a guide perspective only) Mx with theoretical service life of 100 km (from a guide perspective only) My with theoretical service life of 100 km (from a guide perspective only) Mx with theoretical service life of 100 km (from a guide perspective only) Mx with theoretical service life of 100 km (from a guide perspective only) Mx with theoretical service life of 100 km (from a guide perspective only) Mx with theoretical service life of 100 km (from a guide perspective only) Mx with theoretical service life of 100 km (from a guide perspective only) Mx with theoretical service life of 100 km (from a guide perspective only) Mx with theoretical service life of 100 km (from a guide perspective only)	Degree of protection	IP40
2nd moment of area Iz No-load torque at maximum travel speed 0.12 Nm No-load torque at minimum travel speed 0.032 Nm Max. force Fy 300 N Max. force Fz 600 N Fy with theoretical service life of 100 km (from a guide perspective only) Fz with theoretical service life of 100 km (from a guide perspective only) Max. torque Mx 5.5 Nm Max. torque My 4.7 Nm Max. torque Mz Mx with theoretical service life of 100 km (from a guide perspective only) My with theoretical service life of 100 km (from a guide perspective only) My with theoretical service life of 100 km (from a guide perspective only) My with theoretical service life of 100 km (from a guide perspective only) My with theoretical service life of 100 km (from a guide perspective only) My with theoretical service life of 100 km (from a guide perspective only) My with theoretical service life of 100 km (from a guide perspective only) My with theoretical service life of 100 km (from a guide perspective only) My with theoretical service life of 100 km (from a guide perspective only) My with theoretical service life of 100 km (from a guide perspective only) My with theoretical service life of 100 km (from a guide perspective only)	Ambient temperature	0 ℃ 50 ℃
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No-load torque at minimum travel speed Max. force Fy 300 N Max. force Fz 600 N Fy with theoretical service life of 100 km (from a guide perspective only) Fz with theoretical service life of 100 km (from a guide perspective only) Max. torque Mx 5.5 Nm Max. torque My 4.7 Nm Max. torque Mz 4.7 Nm Mx with theoretical service life of 100 km (from a guide perspective only) My with theoretical service life of 100 km (from a guide perspective only) My with theoretical service life of 100 km (from a guide perspective only) Mz with theoretical service life of 100 km (from a guide perspective only) Mz with theoretical service life of 100 km (from a guide perspective only) Mz with theoretical service life of 100 km (from a guide perspective only) Mz with theoretical service life of 100 km (from a guide perspective only)	2nd moment of area Iz	170000 mm⁴
Max. force Fy Max. force Fz 600 N Fy with theoretical service life of 100 km (from a guide perspective only) Fz with theoretical service life of 100 km (from a guide perspective only) Max. torque Mx 5.5 Nm Max. torque My 4.7 Nm Max. torque Mz 4.7 Nm Mx with theoretical service life of 100 km (from a guide perspective only) My with theoretical service life of 100 km (from a guide perspective only) My with theoretical service life of 100 km (from a guide perspective only) Mz with theoretical service life of 100 km (from a guide perspective only) Mz with theoretical service life of 100 km (from a guide perspective only) Mz with theoretical service life of 100 km (from a guide perspective only) Mz with theoretical service life of 100 km (from a guide perspective only)	No-load torque at maximum travel speed	0.12 Nm
Max. force Fz 600 N Fy with theoretical service life of 100 km (from a guide perspective only) 1104 N Fz with theoretical service life of 100 km (from a guide perspective only) 2208 N Max. torque Mx 5.5 Nm Max. torque My 4.7 Nm Max. torque Mz 4.7 Nm Mx with theoretical service life of 100 km (from a guide perspective only) My with theoretical service life of 100 km (from a guide perspective only) My with theoretical service life of 100 km (from a guide perspective only) Mz with theoretical service life of 100 km (from a guide perspective only) Mz with theoretical service life of 100 km (from a guide perspective only) Mz with theoretical service life of 100 km (from a guide perspective only)	No-load torque at minimum travel speed	0.032 Nm
Fy with theoretical service life of 100 km (from a guide perspective only) Fz with theoretical service life of 100 km (from a guide perspective only) Max. torque Mx 5.5 Nm Max. torque My 4.7 Nm Mx with theoretical service life of 100 km (from a guide perspective only) My with theoretical service life of 100 km (from a guide perspective only) My with theoretical service life of 100 km (from a guide perspective only) Mz with theoretical service life of 100 km (from a guide perspective only) Mz with theoretical service life of 100 km (from a guide perspective only) 17 Nm	Max. force Fy	300 N
Fz with theoretical service life of 100 km (from a guide perspective only) Max. torque Mx 5.5 Nm Max. torque My 4.7 Nm Max. torque Mz 4.7 Nm Mx with theoretical service life of 100 km (from a guide perspective only) My with theoretical service life of 100 km (from a guide perspective only) Mz with theoretical service life of 100 km (from a guide perspective only) Mz with theoretical service life of 100 km (from a guide perspective only) 17 Nm	Max. force Fz	600 N
Max. torque Mx Max. torque My 4.7 Nm Max. torque Mz 4.7 Nm Mx with theoretical service life of 100 km (from a guide perspective only) My with theoretical service life of 100 km (from a guide perspective only) Mz with theoretical service life of 100 km (from a guide perspective only) Mz with theoretical service life of 100 km (from a guide perspective only) 17 Nm	Fy with theoretical service life of 100 km (from a guide perspective only)	1104 N
Max. torque My 4.7 Nm Max. torque Mz 4.7 Nm Mx with theoretical service life of 100 km (from a guide perspective only) My with theoretical service life of 100 km (from a guide perspective only) Mz with theoretical service life of 100 km (from a guide perspective only) Mz with theoretical service life of 100 km (from a guide perspective only) 17 Nm	Fz with theoretical service life of 100 km (from a guide perspective only)	2208 N
Max. torque Mz Mx with theoretical service life of 100 km (from a guide perspective only) My with theoretical service life of 100 km (from a guide perspective only) Mz with theoretical service life of 100 km (from a guide perspective only) Mz with theoretical service life of 100 km (from a guide perspective only) Mz with theoretical service life of 100 km (from a guide perspective only)	Max. torque Mx	5.5 Nm
Mx with theoretical service life of 100 km (from a guide perspective only) My with theoretical service life of 100 km (from a guide perspective only) Mz with theoretical service life of 100 km (from a guide perspective only) 17 Nm	Max. torque My	4.7 Nm
only) My with theoretical service life of 100 km (from a guide perspective only) Mz with theoretical service life of 100 km (from a guide perspective only) 17 Nm	Max. torque Mz	4.7 Nm
only) Mz with theoretical service life of 100 km (from a guide perspective only) 17 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
Max. feed force Fx 100 N	Mz with theoretical service life of 100 km (from a guide perspective only)	17 Nm
	Max. feed force Fx	100 N

Feature	Value
Torsion moment of inertia It	8500 mm⁴
Mass moment of inertia JH per meter of stroke	0.05056 kgcm²
Mass moment of inertia JL per kg of payload	0.02533 kgcm²
Mass moment of inertia JO	0.0082 kgcm ²
Feed constant	10 mm/U
Moving mass	220 g
Additional weight per 10 mm stroke	36 g
Dynamic deflection (load moved)	0.05% of axis length, maximum 0.5 mm
Static deflection (load at standstill)	0.1 % of axis length
Interface code, actuator	V32
Material of end caps	Die cast aluminum, painted
Profile material	Wrought aluminum alloy, anodized
Note on materials	Contains paint-wetting impairment substances RoHS-compliant
Cover strip material	High-alloy stainless steel
Drive cover material	Die cast aluminum, painted
Slide carriage material	Steel
Guide rail material	Steel
Slide material	Die-cast aluminum
Spindle nut material	Steel
Spindle material	Steel