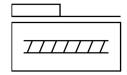
Ball screw linear actuator ELGC-BS-KF-32-200-8P

FESTO

Part number: 8061478





Data sheet

Size Stroke reserve 0 mm Screw diameter 8 mm Spindle pitch 8 mm/U Type code ELGC Mounting position Any Suide 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 4500 1/min Max. speed 9,0.6 m/s Repetition accuracy 9,0.015 mm Degree of protection 1940 Mambient temperature 0°C 50°C 2nd moment of area ly 38000 mm² Moi-load torque at maximum travel speed 0,0.4 km Moi-load torque at minimum travel speed 0,0.4 km Moi-load torque at minimum travel speed 0,0.2 km Max. force Fy Max. torque My Max. torque My Max. torque Mx Mix 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)	Feature	Value
Strew diameter 8 mm Spindle pitch 8 mm/U Spindle pitch 8 mm/U Spindle pitch 8 mm/U Mounting position Any Suide Recirculating ball bearing guide Bells Cew Mounting position Any Motor type Electromechanical linear axis with ball screw Motor type Stepper motor Spindle type Ball screw drive Spindle type Ball screw drive Symbol 00991211 Max. acceleration 15 m/s² Max. rotacleration 15 m/s² Repetition accuracy 40.015 mm Degree of protection 1940 Max. apped 0.6 m/s Repetition accuracy 40.015 mm Degree of protection 1940 And moment of area lay 38000 mm² 2nd moment of area lay 38000 mm² 2nd moment of area lay 38000 mm² No-load torque at maximum travel speed 0.04 Nm No-load torque at maximum travel speed 0.04 Nm No-load torque at maximum travel speed 0.05 Nm Max. force Fz 150 N Max. force Fz 150 N Max. force Fz 150 N Max. torque Mx 1.1 Nm Max. torque Mx Mx. with theoretical service life of 100 km (from a guide perspective only) 10 Nm Mx with theoretical service life of 100 km (from a guide perspective only) 10 Nm Mx with theoretical service life of 100 km (from a guide perspective only) 10 Nm Mx with theoretical service life of 100 km (from a guide perspective only) 10 Nm Mx with theoretical service life of 100 km (from a guide perspective only) 10 Nm Mx with theoretical service life of 100 km (from a guide perspective only) 4 Nm Mx with theoretical service life of 100 km (from a guide perspective only) 4 Nm Mx with theoretical service life of 100 km (from a guide perspective only) 4 Nm	Working stroke	200 mm
Screw diameter 8 mm Spindle pitch 8 mm/U Fype code ELGC Any Mounting position Any Suide 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 4500 1/min Max. speed 0.6 m/s Repetition accuracy 0.6 m/s Repetition accuracy 1.0015 mm Degree of protection 1.1940 Ambient temperature 0° 0° 50° C 2nd moment of area 1y No-load torque at maximum travel speed 0.04 Nm Max. force Fy 150 N Max. force Fy 150 N Max. force Fy Max. force Fy Max. force Fy Max. force Fy Max. torque Mx Max. torque Mx Max. torque Mx Max. torque Mx Max. torque My Max. torque My Max. torque My Max. torque Mx Max. torque My 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) 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)	Size	32
Spindle pitch Spye code ELGC Mounting position Any Recirculating ball bearing guide Design Electromechanical linear axis with ball screw Motor type Stepper motor Service motor Symbol 00991211 Max. acceleration Max. rotational speed Max. speed 0.6 m/s Repetition accuracy 10 mmemot of area ly 2nd moment of area ly 2nd moment of area ly No-load torque at maximum travel speed No-load torque at minimum travel speed Max. force Fy Ty with theoretical service life of 100 km (from a guide perspective only) Max. torque Mx Mx. torque Mx Mx. 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) 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)	Stroke reserve	0 mm
Type code ELGC Mounting position Any Recirculating 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 4500 1/min Max. speed 0.6 m/s Repetition accuracy 40.015 mm Degree of protection IP40 Ambient temperature 0°C50°C 2nd moment of area ly 2nd moment of area ly No-load torque at maximum travel speed No-load torque at maximum travel speed No-load torque at minimum travel speed No-load torque at minimum travel speed No-load torque at minimum travel speed No-load torque at service life of 100 km (from a guide perspective only) Fix with theoretical service life of 100 km (from a guide perspective only) Max. torque MX Max. torque MX Max. torque MX Max. torque MZ Mx. with theoretical service life of 100 km (from a guide perspective only) Mx. 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) 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)	Screw diameter	8 mm
Mounting position Suide Recirculating 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 4500 1/min Max. speed 0.6 m/s Repetition accuracy 20.015 mm Degree of protection IP40 Ambient temperature 20 of 50 °C 20 d moment of area ly 20 d moment of area ly 20 d moment of area lz No-load torque at maximum travel speed No-load torque at maximum travel speed No-load torque at minimum travel speed No-load storque at maximum travel speed	Spindle pitch	8 mm/U
Besign Electromechanical linear axis with ball screw Motor type Stepper motor Servo motor Servo motor Spindle type Ball screw drive Symbol Max. acceleration 15 m/s² Max. rotational speed 4500 1/min Max. speed 0.6 m/s Repetition accuracy 20,015 mm Degree of protection Repetition accuracy 10 moment of area ly 20 moment of area ly 20 moment of area lz No-load torque at maximum travel speed 0.02 Nm Max. force Fy 150 N Max. force Fz Symth theoretical service life of 100 km (from a guide perspective only) 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) 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) Mx with theoretical service life of 100 km (from a guide perspective on	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 4500 1/min Max. speed 0.6 m/s Repetition accuracy 40.015 mm Degree of protection 1P40 Ambient temperature 0°C 50 °C 2nd moment of area ly 38000 mm² No-load torque at maximum travel speed 0.04 Nm No-load torque at minimum travel speed 0.02 Nm Max. force Fy 150 N Max. force Fz 300 N Max. force Fz 300 N Max. torque Mx 1.3 Nm Max. torque Mx Max. torque Mx Mx 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) 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 Max. acceleration 15 m/s² Max. rotational speed 4500 1/min Max. speed 4500 1/min Max. speed 0.6 m/s Repetition accuracy 40.015 mm Degree of protection 1P40 Ambient temperature 0°C50°C 2nd moment of area ly 2nd moment of area lz No-load torque at maximum travel speed No-load torque at minimum travel speed	Guide	Recirculating ball bearing guide
Servo motor Spindle type Ball screw drive O0991211 Max. acceleration 15 m/s² Max. rotational speed 4500 1/min Max. speed 0.6 m/s Repetition accuracy 20.015 mm Degree of protection IP40 Ambient temperature 0° C 50° C 201 moment of area ly 201 moment of area lz No-load torque at maximum travel speed 0.02 Nm Max. force Fy 150 N Max. force Fz Sy with theoretical service life of 100 km (from a guide perspective only) Max. torque Mx Max. torque Mx Mx. torque My Mx. torque My Mx. torque My Mx. torque Mx Mx. torque My Mx. torque	Design	
Symbol 00991211 Max. acceleration 15 m/s² Max. rotational speed 4500 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 38000 mm⁴ 2nd moment of area lz 45000 mm⁴ No-load torque at maximum travel speed 0.04 Nm No-load torque at minimum travel speed 0.02 Nm Max. force Fy 150 N Max. force Fy 150 N Max. force Fz 300 N Fz with theoretical service life of 100 km (from a guide perspective only) 1104 N Max. torque Mx 1.3 Nm Max. torque My 1.1 Nm Max. torque Mz Mx. with theoretical service life of 100 km (from a guide perspective only) 5 Nm Mx. with theoretical service life of 100 km (from a guide perspective only) 5 Nm Mx. with theoretical service life of 100 km (from a guide perspective only) 5 Nm Mx. with theoretical service life of 100 km (from a guide perspective only) 4 Nm Mx. with theoretical service life of 100 km (from a guide perspective only) 4 Nm Mx. with theoretical service life of 100 km (from a guide perspective only) 4 Nm	Motor type	
Max. acceleration 15 m/s² Max. rotational speed 4500 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 38000 mm⁴ No-load torque at maximum travel speed 0.04 Nm No-load torque at minimum travel speed 0.02 Nm Max. force Fy 150 N Max. force Fz 300 N Fz with theoretical service life of 100 km (from a guide perspective only) 1104 N Max. torque Mx Max. torque My 1.1 Nm Max. torque Mz Mx with theoretical service life of 100 km (from a guide perspective only) 5 Nm Mx with theoretical service life of 100 km (from a guide perspective only) 5 Nm Mx with theoretical service life of 100 km (from a guide perspective only) 4 Nm Mx with theoretical service life of 100 km (from a guide perspective only) 4 Nm Mx with theoretical service life of 100 km (from a guide perspective only) 4 Nm	Spindle type	Ball screw drive
Max. rotational speed 4500 1/min 0.6 m/s Repetition accuracy ±0.015 mm Degree of protection IP40 Ambient temperature 0°C50°C 2nd moment of area ly 2nd moment of area lz No-load torque at maximum travel speed No-load torque at minimum travel speed No-load torque at minim	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 38000 mm² 2nd moment of area lz 45000 mm² No-load torque at maximum travel speed 0.04 Nm No-load torque at minimum travel speed 0.02 Nm Max. force Fy 150 N Max. force Fz 300 N Fz with theoretical service life of 100 km (from a guide perspective only) 1104 N Max. torque Mx 1.3 Nm Max. torque Mx 1.1 Nm Max. torque My 1.1 Nm Max. torque My 1.1 Nm Max. torque Mz Max with theoretical service life of 100 km (from a guide perspective only) 5 Nm Max with theoretical service life of 100 km (from a guide perspective only) 4 Nm My with theoretical service life of 100 km (from a guide perspective only) 4 Nm My with theoretical service life of 100 km (from a guide perspective only) 4 Nm My with theoretical service life of 100 km (from a guide perspective only) 4 Nm	Max. acceleration	15 m/s ²
Repetition accuracy ±0.015 mm Degree of protection IP40 Ambient temperature 0°C 50°C 2nd moment of area ly 38000 mm ⁴ 2nd moment of area lz 45000 mm ⁴ No-load torque at maximum travel speed 0.04 Nm No-load torque at minimum travel speed 0.02 Nm Max. force Fy 150 N Max. force Fz 300 N Fz 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 1.3 Nm Max. torque My 1.1 Nm Max. torque My 1.1 Nm Max. torque Mz Max 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) A Nm	Max. rotational speed	4500 1/min
Degree of protection Ambient temperature O°C 50 °C 2nd moment of area ly 38000 mm ⁴ 2nd moment of area lz 45000 mm ⁴ No-load torque at maximum travel speed O.04 Nm No-load torque at minimum travel speed O.02 Nm Max. force Fy 150 N Max. force Fz 300 N Fz 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 1.3 Nm Max. torque My 1.1 Nm Max. torque Mz Mix. torque Mx Mix.	Max. speed	0.6 m/s
Ambient temperature 2nd moment of area ly 2nd moment of area lz No-load torque at maximum travel speed No-load torque at minimum travel speed No-load torque at maximum travel speed No-load torque at m	Repetition accuracy	±0.015 mm
2nd moment of area ly 2nd moment of area lz 45000 mm ⁴ No-load torque at maximum travel speed 0.04 Nm No-load torque at minimum travel speed 0.02 Nm Max. force Fy 150 N Max. force Fz 300 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 1.3 Nm Max. torque My 1.1 Nm Max. torque Mz 1.1 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) 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)	Degree of protection	IP40
About moment of area Iz No-load torque at maximum travel speed No-load torque at minimum travel speed No-load torque at maximum travel speed No-load torque at minimum travel speed No-load torque at minimum travel speed No-load torque at maximum travel speed No-load torque at max	Ambient temperature	0 ℃ 50 ℃
No-load torque at maximum travel speed No-load torque at minimum travel speed No-load torque at minimum travel speed Max. force Fy 150 N Max. force Fz 300 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 1.3 Nm Max. torque My 1.1 Nm Max. torque Mz 1.1 Nm Max. torque Mz 1.1 Nm Max. torque Mz 4 Nm Max 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)	2nd moment of area ly	38000 mm⁴
No-load torque at minimum travel speed Max. force Fy 150 N Max. force Fz 300 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 1.3 Nm Max. torque My 1.1 Nm Max. torque Mz 1.1 Nm Max. torque Mz 1.1 Nm Max. torque Mz 4 Nm 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)	2nd moment of area Iz	45000 mm⁴
Max. force Fy Max. force Fz 300 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 1.3 Nm Max. torque My 1.1 Nm Max. torque Mz 1.1 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) 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)	No-load torque at maximum travel speed	0.04 Nm
Max. force Fz 300 N Fy with theoretical service life of 100 km (from a guide perspective only) 552 N Fz with theoretical service life of 100 km (from a guide perspective only) 1104 N Max. torque Mx 1.3 Nm Max. torque My 1.1 Nm Max. torque Mz 1.1 Nm Mx with theoretical service life of 100 km (from a guide perspective only) 5 Nm only) My with theoretical service life of 100 km (from a guide perspective only) 4 Nm Mx with theoretical service life of 100 km (from a guide perspective only) 4 Nm	No-load torque at minimum travel speed	0.02 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 1.3 Nm Max. torque My 1.1 Nm Max. torque Mz 1.1 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) 4 Nm Mx with theoretical service life of 100 km (from a guide perspective only)	Max. force Fy	150 N
Fz with theoretical service life of 100 km (from a guide perspective only) Max. torque Mx 1.3 Nm Max. torque My 1.1 Nm Max. torque Mz 1.1 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) 4 Nm	Max. force Fz	300 N
Max. torque Mx 1.3 Nm Max. torque My 1.1 Nm Max. torque Mz 1.1 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) 4 Nm	Fy with theoretical service life of 100 km (from a guide perspective only)	552 N
Max. torque My 1.1 Nm Max. torque Mz 1.1 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) 4 Nm	Fz with theoretical service life of 100 km (from a guide perspective only)	1104 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) 4 Nm	Max. torque Mx	1.3 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) 4 Nm	Max. torque My	1.1 Nm
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) 4 Nm	Max. torque Mz	1.1 Nm
only) Mz with theoretical service life of 100 km (from a guide perspective only) 4 Nm	Mx with theoretical service life of 100 km (from a guide perspective only)	5 Nm
	My with theoretical service life of 100 km (from a guide perspective only)	4 Nm
Max. feed force Fx 40 N	Mz with theoretical service life of 100 km (from a guide perspective only)	4 Nm
	Max. feed force Fx	40 N

Feature	Value
Torsion moment of inertia It	1700 mm⁴
Mass moment of inertia JH per meter of stroke	0.02218 kgcm²
Mass moment of inertia JL per kg of payload	0.016211 kgcm²
Mass moment of inertia JO	0.00274 kgcm²
Feed constant	8 mm/U
Moving mass	83.4 g
Additional weight per 10 mm stroke	18 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	V25
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