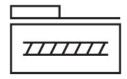
Ball screw axis ELGC-BS-KF-45-200-10P Part number: 8061485

FESTO





Data sheet

Feature	Value
Working stroke	200 mm
Size	45
Stroke reserve	0 mm
Reversing backlash	0.15 mm
Screw diameter	10 mm
Spindle pitch	10 mm/U
Mounting position	Any
Guide	Recirculating ball bearing guide
Structural design	Electromechanical linear axis with ball screw
Motor type	Stepper motor Servo motor
Spindle type	Ball screw drive
Position sensing	For proximity sensor For inductive proximity sensors
Max. acceleration	15 m/s ²
Max. rotational speed	3600 rpm
Max. speed	0.6 m/s
Repetition accuracy	±0.015 mm
Duty cycle	100%
LABS (PWIS) conformity	VDMA24364 zone III
Suitability for the production of Li-ion batteries	Product corresponds to Festo's internal product definition for use in battery production: Metals with more than 1% by mass of copper, zinc or nickel are excluded from use. The exceptions are nickel in steel, chemically nickel-plated surfaces, circuit boards, cables, electrical plug connectors and coils
Cleanroom class	Class 7 according to ISO 14644-1
Storage temperature	-20 °C60 °C
Degree of protection	IP40
Ambient temperature	0 °C50 °C
Impact energy in the end positions	0.5 mJ
Note on the impact energy in the end positions	At maximum speed of the reference run of 0.01 m/s
2nd moment of area ly	140000 mm⁴

No-load torque at minimum travel speed Max. force Fy Max. force Fy Max. force Fz Max. force Fy total axis Max. force Fy total axis Max. force Fy total axis Max. force Fx total axis Fx with theoretical service life of 100 km (from a guide perspective only) Fx with theoretical service life of 100 km (from a guide perspective only) Fx with theoretical service life of 100 km (from a guide perspective only) Max. torque Mx Max. torque Mx Max. torque Mx Max. moment Mx total axis Max. moment Mx total axis Mx. moment Mx tota	Feature	Value
No-load torque at minimum travel speed Max. force Fy Max. force Fy Max. force Fz Max. force Fy total axis Max. force Fy total axis Max. force Fy total axis Max. force Fx total axis Fx with theoretical service life of 100 km (from a guide perspective only) Fx with theoretical service life of 100 km (from a guide perspective only) Fx with theoretical service life of 100 km (from a guide perspective only) Max. torque Mx Max. torque Mx Max. torque Mx Max. moment Mx total axis Max. moment Mx total axis Mx. moment Mx tota	2nd moment of area lz	170000 mm ⁴
Max. force Fy Max. force Fy Max. force Fy Max. force Fy total axis 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 Max. forque My Max. forque My Max. forque My Max. moment Mx total axis Max. moment Mx force file of 100 km (from a guide perspective only) Max. 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 force file file file file file file file fil	No-load torque at maximum travel speed	0.12 Nm
Max. force Fz Max. force Fy total axis 300 N Max. force Fy total axis 600 N Fy with theoretical service life of 100 km (from a guide perspective only) Fx with theoretical service life of 100 km (from a guide perspective only) Max. torque Mx Max. torque Mx Max. torque My Max. torque My Max. moment Mx total axis 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 only life in the orline	No-load torque at minimum travel speed	0.032 Nm
Max. force Fy total axis Max. force Fx total axis Max. force Fx total axis 600 N Fx with theoretical service life of 100 km (from a guide perspective only) Fx 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. moment Mx total axis 5.5 Nm Max. moment Mx total axis 4.7 Nm 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) Distance between silde surface and guide center 42.8 mm Mx. facel force Fx 100 N Torsion moment of inertia It Mass moment of inertia It per kg of payload Maxs mass moment of inertia It per kg of payload Maxs mass moment of inertia It Moving mass 20 g Additional weight per 10 mm stroke 36 g Dynamic deflection (load at standstill) Interface code, actuator Moving mass 220 g Additional weight per 10 mm stroke Wrought aluminum, painted Profile material Wrought aluminum, painted Mrought aluminum, painted Drive cover material Dic cast aluminum, painted Siteel Guide rail material Steel Guide rail material	Max. force Fy	880 N
Max. force Fz total axis 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 Max. torque My Max. torque My Max. torque My Max. moment Mx total axis 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) Distance between slide surface and guide center Mx. read force Fx Mx. read force Fx Mx. force on actuator shaft Mx. feed force Fx Mx. force on actuator shaft Mx. feed force Fx Mx. for finertia H per meter of stroke Mx. semment of inertia H per meter of stroke Mx semment of inertia H per kg of payload Mx semment of inertia H per kg of payload Mx semment of inertia Mx of inertia	Max. force Fz	880 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 Max. torque My Max. moment Mx total axis Max. moment Mx total axis Max. moment Mx total axis Mx. moment Mx	Max. force Fy total axis	300 N
Fz with theoretical service life of 100 km (from a guide perspective only) Max. torque Mx 4.7 Mm Max. torque Mx 4.7 Mm Max. moment Mx total axis 5.5 Nm Max. moment Mx total axis 4.7 Mm Max. moment Mx total axis 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) Mx with theoretical service life of 100 km (from a guide perspective only) Distance between slide surface and guide center Max. radial force on actuator shaft Max. feed force Fx 100 N Max. feed force Fx 100 N Max. soomment of inertia It 8500 mm Max. soomment of inertia It per weter of stroke 0.05056 kgcm² Mass moment of inertia IJ per kg of payload 0.02533 kgcm² Mass moment of inertia ID Reference service life 5000 km Maintenance interval Life-time lubrication Moving mass 220 g Madditional weight per 10 mm stroke Dynamic deflection (load moved) 51atic deflection (load	Max. force Fz total axis	600 N
Max. torque Mx Max. torque My 4.7 Mm Max. torque My 4.7 Mm Max. torque My 4.7 Mm Max. moment Mx total axis 5.5 Mm Max. moment Mx total axis 4.7 Nm 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) 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 theoreti	Fy with theoretical service life of 100 km (from a guide perspective only)	3240 N
Max. torque My Max. torque Mz A. 7 Mm Max. moment Mx total axis 5.5 Nm Max. moment Mx total axis 4.7 Nm Max. moment Mx total axis 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) 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) Distance between slide surface and guide center 42.8 mm Max. redial force on actuator shaft 180 N Max. feed force Fx 100 N Torsion moment of inertia It 8500 mm Mass moment of inertia JI per kg of payload 0.0556 kgcm² Mass moment of inertia JL per kg of payload 0.02533 kgcm² Mass moment of inertia JL per kg of payload 0.02533 kgcm² Mass moment of inertia JC Feed constant 10 mm/U Reference service life 5000 km Maintenance interval Life-time lubrication Moving mass 220 g Additional weight per 10 mm stroke 36 g Dynamic deflection (load moved) 50.5% of axis length, maximum 0.5 mm Static deflection (load at standstill) 0.1 % of axis length Interface code, actuator 732 Material of end caps Die cast aluminum, painted Note on material Note on material Note on material Figh-alloy stainless steel Dirive cover material Elide carriage material Elide carriage material Die cast aluminum, painted Fixel Guide rall material	Fz with theoretical service life of 100 km (from a guide perspective only)	3240 N
Max. torque Mz Max. moment Mx total axis 5.5 Mm Max. moment Mx total axis 4.7 Mm Max. moment Mx total axis 4.7 Mm Mx. moment Mx total axis 4.7 Mm 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) Distance between slide surface and guide center 42.8 mm Max. read force on actuator shaft 180 N Max. feed force Fx 100 N Torsion moment of inertia It 8500 mm Mass moment of inertia IJ per kg of payload 0.0556 kgcm² Mass moment of inertia I, Lper kg of payload 0.02533 kgcm² Mass moment of inertia I, Lper kg of payload 0.02533 kgcm² Mass moment of inertia I Lper kg of payload 10 mm/U Reference service life 5000 km Maintenance interval Life-time lubrication Moving mass 220 g Maditional weight per 10 mm stroke Dynamic deflection (load moved) 51 cast aluminum, painted Note on material Wrought aluminum alloy, anodized Note on material Note on material Note on material Side carriage material Side carriage material Sidel rail material Steel Guide rail material Steel	Max. torque Mx	5.5 Nm
Max. moment Mx total axis Max. moment My total axis 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) 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) Max moment of linetial life on actuator shaft 100 N Max. radial force on actuator shaft 100 N Max. feed force Fx 100 N Mass moment of inertial II per well of stroke 0.0556 kgcn² Mass moment of inertial ID per kg of payload 0.0553 kgcm² Mass moment of inertial IO 0.0082 kgcm² Feed constant 10 mm/U Reference service life 5000 km Maintenance interval Life-time lubrication Moving mass 220 g Additional weight per 10 mm stroke 36 g Dynamic deflection (load moved) 51 cat aluminum, painted Note on material Note on material Note on material Wrought aluminum alloy, anodized Note on material Note on material High-alloy stainless steel Divice cover material Side carriage material Dive cast aluminum, painted Sidel carriage material Sidel carriage material	Max. torque My	4.7 Nm
Max. moment My total axis Max. moment Mz total axis 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) Distance between slide surface and guide center 42.8 mm Max. readial force on actuator shaft 180 N Max. feed force Fx 100 N Torsion moment of inertia It Mass moment of inertia It Mass moment of inertia It Mass moment of inertia It per weter of stroke 0.05056 kgcm² Mass moment of inertia IQ Feed constant 10 mm/U Reference service life 5000 km Maintenance interval Life-time lubrication Moving mass 220 g Additional weight per 10 mm stroke 36 g Dynamic deflection (load and standstill) 10.1 % of axis length, maximum 0.5 mm Static deflection (load at standstill) 10.1 % of axis length, maximum 0.5 mm Static deflection (load at standstill) 10.1 % of axis length, maximum 0.5 mm Static deflection (load at standstill) Note on material Wrought aluminum, painted Profile material Wrought aluminum, painted High-alloy stanless steel Dive cover material Side carriage material Side carriage material Side carriage material Side carriage material Steel Guide rail material	Max. torque Mz	4.7 Nm
Max. moment Mz total axis 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) Distance between slide surface and guide center 42.8 mm Max. radial force on actuator shaft 180 N Max. feed force Fx 100 N Torsion moment of inertia lt 8500 mm ⁴ Mass moment of inertia JH per meter of stroke 0.05056 kgcm ² Mass moment of inertia JL per kg of payload 0.02533 kgcm ² Mass moment of inertia JO 0.0082 kgcm ² Feed constant 10 mm/U Reference service life 5000 km Maintenance interval Life-time lubrication Moving mass 220 g Additional weight per 10 mm stroke 36 g Dynamic deflection (load and standstill) 0.1 % of axis length, maximum 0.5 mm Static deflection (load at standstill) 0.1 % of axis length Interface code, actuator 732 Material of end caps Die cast aluminum, painted Profile material Wrought aluminum alloy, anodized Note on materials Cover strip material Die cast aluminum, painted Steel Guide rall material Steel	Max. moment Mx total axis	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) 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) 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) Mx with theoretical service life 180 N Max radial force on actuator shaft 180 N Max. radial force on actuator shaft 180 N Max. feed force Fx 100 N	Max. moment My total axis	4.7 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) Mz with theoretical service life of 100 km (from a guide perspective only) Distance between slide surface and guide center 42.8 mm Max. radial force on actuator shaft 180 N Max. feed force Fx 100 N Torsion moment of inertia It 8500 mm ⁴ Mass moment of inertia JH per meter of stroke 0.05056 kgcm ² Mass moment of inertia JL per kg of payload 0.02533 kgcm ² Mass moment of inertia JD per kg of payload 0.082 kgcm ² Feed constant 10 mm/U Reference service life 5000 km Maintenance interval Life-time lubrication Moving mass 220 g Additional weight per 10 mm stroke 36 g Dynamic deflection (load moved) Static deflection (load moved) Static deflection (load at standstill) Interface code, actuator V32 Material of end caps Profile material Wrought aluminum, painted Profile material Cover strip material Die cast aluminum, painted Die cast aluminum, painted Die voer material Stied Guide rail material Steel	Max. moment Mz total axis	4.7 Nm
Mz with theoretical service life of 100 km (from a guide perspective only) Distance between slide surface and guide center 42.8 mm Max. radial force on actuator shaft 180 N Max. feed force Fx 100 N Torsion moment of inertia It 8500 mm ⁴ Mass moment of inertia JH per meter of stroke 0.05056 kgcm² Mass moment of inertia I, per kg of payload 0.02533 kgcm² Mass moment of inertia JO 0.0082 kgcm² Feed constant 10 mm/U Reference service life 5000 km Maintenance interval Life-time lubrication Moving mass 220 g Additional weight per 10 mm stroke 36 g Dynamic deflection (load moved) 5tatic deflection (load at standstill) 1nterface code, actuator 732 Material of end caps Profile material Wrought aluminum, painted Profile material Move or materials Cover strip material Die cast aluminum, painted Dire cast aluminum, painted Steel Dire cover material Steel Guide rail material Steel	Mx with theoretical service life of 100 km (from a guide perspective only)	20 Nm
Distance between slide surface and guide center 42.8 mm Max. radial force on actuator shaft 180 N Max. feed force Fx 100 N Torsion moment of inertia It 8500 mm ⁴ Mass moment of inertia JH per meter of stroke 0.05056 kgcm ² Mass moment of inertia JL per kg of payload 0.02533 kgcm ² Mass moment of inertia JO 60.082 kgcm ² Feed constant 10 mm/U Reference service life 5000 km Maintenance interval Life-time lubrication Moving mass 220 g Additional weight per 10 mm stroke 36 g Dynamic deflection (load moved) 5tatic deflection (load at standstill) 10.1 % of axis length Interface code, actuator V32 Material of end caps Profile material Note on materials RoHS-compliant Cover strip material Prive cover material Die cast aluminum, painted Steel Guide rail material Steel	My with theoretical service life of 100 km (from a guide perspective only)	17 Nm
Max. radial force on actuator shaft Max. feed force Fx 100 N Torsion moment of inertia It 8500 mm ⁴ Mass moment of inertia JH per meter of stroke 0.05056 kgcm ² Mass moment of inertia JL per kg of payload 0.02533 kgcm ² Mass moment of inertia JO 0.0082 kgcm ² Feed constant 10 mm/U Reference service life 5000 km Maintenance interval Life-time lubrication Moving mass 220 g Additional weight per 10 mm stroke 36 g Dynamic deflection (load moved) Static deflection (load at standstill) Interface code, actuator V32 Material of end caps Die cast aluminum, painted Profile material Note on materials Cover strip material Die cast aluminum, painted Die cast aluminum, painted Steel Guide rail material Steel Guide rail material Steel	Mz with theoretical service life of 100 km (from a guide perspective only)	17 Nm
Max. feed force Fx Torsion moment of inertia It Mass moment of inertia JH per meter of stroke Mass moment of inertia JL per kg of payload Mass moment of inertia JU per kg of payload Mass moment of inertia JU Mess moment of inertia	Distance between slide surface and guide center	42.8 mm
Torsion moment of inertia It Mass moment of inertia JH per meter of stroke Mass moment of inertia JL per kg of payload Mass moment of inertia JD per kg of payload Mass moment of inertia JO O.082 kgcm² Mass moment of inertia JO Feed constant 10 mm/U Reference service life 5000 km Maintenance interval Life-time lubrication Moving mass 220 g Additional weight per 10 mm stroke 36 g Dynamic deflection (load moved) O.05% of axis length, maximum 0.5 mm Static deflection (load at standstill) O.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 RoHS-compliant Cover strip material Drive cover material Die cast aluminum, painted Steel Guide rail material Steel	Max. radial force on actuator shaft	180 N
Mass moment of inertia JH per meter of stroke Mass moment of inertia JL per kg of payload O.02533 kgcm² O.0082 kgcm² Feed constant Reference service life So00 km Maintenance interval Life-time lubrication Moving mass 220 g Additional weight per 10 mm stroke Dynamic deflection (load moved) Static deflection (load at standstill) Interface code, actuator Moterial of end caps Die cast aluminum, painted Profile material Note on materials Cover strip material Drive cover material Steel Guide rail material	Max. feed force Fx	100 N
Mass moment of inertia JL per kg of payload Mass moment of inertia JO O.082 kgcm² Feed constant Reference service life So00 km Maintenance interval Life-time lubrication Moving mass 220 g Additional weight per 10 mm stroke Dynamic deflection (load moved) Static deflection (load at standstill) Interface code, actuator Material of end caps Die cast aluminum, painted Note on materials Cover strip material Drive cover material Die cast aluminum, painted Steel Guide rail material Steel Guide rail material Steel	Torsion moment of inertia It	8500 mm⁴
Mass moment of inertia JO Feed constant 10 mm/U Reference service life 5000 km Maintenance interval Life-time lubrication Moving mass 220 g Additional weight per 10 mm stroke 36 g Dynamic deflection (load moved) 50.05% of axis length, maximum 0.5 mm Static deflection (load at standstill) 10.1% of axis length Interface code, actuator V32 Material of end caps Die cast aluminum, painted Profile material Note on materials RoHS-compliant Cover strip material Drive cover material Die cast aluminum, painted High-alloy stainless steel Drive cover material Steel Guide rail material Steel	Mass moment of inertia JH per meter of stroke	0.05056 kgcm²
Reference service life So00 km Maintenance interval Life-time lubrication Moving mass 220 g Additional weight per 10 mm stroke Dynamic deflection (load moved) Static deflection (load at standstill) Interface code, actuator V32 Material of end caps Die cast aluminum, painted Profile material Note on materials Cover strip material Drive cover material Guide rail material Steel Guide rail material Steel Guide rail material Steel Sono km Life-time lubrication 220 g A6 g D.005% of axis length, maximum 0.5 mm O.1% of axis length V32 Note on maximum 0.5 mm Onto on sax length V32 Wrought aluminum, painted Wrought aluminum alloy, anodized High-alloy stainless steel Steel Guide rail material	Mass moment of inertia JL per kg of payload	0.02533 kgcm²
Reference service life Maintenance interval Life-time lubrication 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) Interface code, actuator V32 Material of end caps Die cast aluminum, painted Profile material Wrought aluminum alloy, anodized Note on materials RoHS-compliant Cover strip material Die cast aluminum, painted High-alloy stainless steel Drive cover material Die cast aluminum, painted Steel Guide rail material Steel	Mass moment of inertia JO	0.0082 kgcm²
Maintenance interval Moving mass 220 g Additional weight per 10 mm stroke 36 g Dynamic deflection (load moved) Static deflection (load at standstill) Interface code, actuator Material of end caps Profile material Note on materials Cover strip material Drive cover material Drive cover material Guide rail material Life-time lubrication 220 g 36 g 0.05% of axis length, maximum 0.5 mm 0.1 % of axis length V32 Wrought aluminum, painted Wrought aluminum alloy, anodized High-alloy stainless steel Drive cover material Steel Guide rail material Steel	Feed constant	10 mm/U
Moving mass Additional weight per 10 mm stroke 36 g Dynamic deflection (load moved) Static deflection (load at standstill) Interface code, actuator Waterial of end caps Die cast aluminum, painted Profile material Note on materials Cover strip material Drive cover material Drive cover material Stide carriage material Guide rail material Steel 220 g	Reference service life	5000 km
Additional weight per 10 mm stroke Dynamic deflection (load moved) O.05% of axis length, maximum 0.5 mm Static deflection (load at standstill) Interface code, actuator W32 Material of end caps Die cast aluminum, painted Profile material Wrought aluminum alloy, anodized Note on materials Cover strip material High-alloy stainless steel Drive cover material Die cast aluminum, painted Steel Guide rail material Steel	Maintenance interval	Life-time lubrication
Dynamic deflection (load moved) Static deflection (load at standstill) Interface code, actuator Waterial of end caps Die cast aluminum, painted Profile material Note on materials Cover strip material Drive cover material Die cast aluminum, painted High-alloy stainless steel Drive cover material Steel Guide rail material Steel	Moving mass	220 g
Static deflection (load at standstill) O.1 % of axis length V32 Material of end caps Die cast aluminum, painted Profile material Wrought aluminum alloy, anodized Note on materials Cover strip material High-alloy stainless steel Drive cover material Die cast aluminum, painted Steel Steel Guide rail material Steel	Additional weight per 10 mm stroke	36 g
Interface code, actuator Material of end caps Die cast aluminum, painted Profile material Wrought aluminum alloy, anodized Note on materials RoHS-compliant Cover strip material High-alloy stainless steel Drive cover material Die cast aluminum, painted Slide carriage material Steel Guide rail material Steel	Dynamic deflection (load moved)	0.05% of axis length, maximum 0.5 mm
Material of end caps Profile material Note on materials Cover strip material Die cast aluminum, painted RoHS-compliant High-alloy stainless steel Drive cover material Die cast aluminum, painted Slide carriage material Steel Guide rail material Steel	Static deflection (load at standstill)	0.1 % of axis length
Profile material Wrought aluminum alloy, anodized Note on materials RoHS-compliant Cover strip material High-alloy stainless steel Drive cover material Die cast aluminum, painted Slide carriage material Steel Guide rail material Steel	Interface code, actuator	V32
Note on materials Cover strip material Drive cover material Slide carriage material Guide rail material Drive cover material Steel Steel	Material of end caps	Die cast aluminum, painted
Cover strip material High-alloy stainless steel Drive cover material Die cast aluminum, painted Slide carriage material Steel Guide rail material Steel	Profile material	Wrought aluminum alloy, anodized
Drive cover material Die cast aluminum, painted Slide carriage material Steel Guide rail material Steel	Note on materials	RoHS-compliant
Slide carriage material Steel Guide rail material Steel	Cover strip material	High-alloy stainless steel
Guide rail material Steel	Drive cover material	Die cast aluminum, painted
	Slide carriage material	Steel
Clide meterial Discrete Limiters	Guide rail material	Steel
Silue material Die-cast aluminum	Slide material	Die-cast aluminum
Spindle nut material Steel	Spindle nut material	Steel
Spindle material Steel	Spindle material	Steel