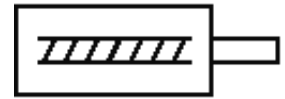
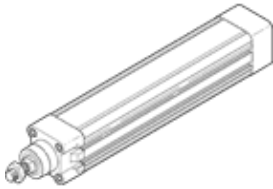


# Electro-cylinder DNCE-32- -BS-3-Q

Part number: 545211

FESTO

mit Kugelgewindetrieb und verdrehgesicherter Kolbenstange.



## Data sheet

Feature	Value
Working stroke	1 ... 400 mm
Size	32
Stroke reserve	0 mm
Piston rod thread	M10x1,25
Reversing backlash	0.05 mm
Spindle diameter	10 mm
Spindle pitch	3 mm/U
Max. angular deflection of piston rod +/-	0.3 deg
Based on the standard	ISO 15552 (bisher auch VDMA 24652, ISO 6431, NF E49 003.1, UNI 10290)
Assembly position	Any
Motor type	Stepper motor Servomotor
Position detection	für Näherungsschalter
Design structure	Elektrozylinder mit Kugelumlaufgewinde
Spindle type	Kugelumlaufspindel
Variants	verdrehgesicherte Kolbenstange
Protection against torque/guide	with plain-bearing guide
Max. acceleration	6 m/s <sup>2</sup>
Max. speed	0.15 m/s
Repetition accuracy	+/-0,02 mm
Duty cycle	100%
Corrosion resistance classification CRC	0
Storage temperature	-25 ... 60 °C
Relative air humidity	0 - 95 %
Protection class	IP40
Ambient temperature	0 ... 50 °C
Impact energy in end positions	0.0001 J
Permanent drive torque	0.3 Nm
Permanent feed force	240 N
Max. drive torque	0.4 Nm
Max. torque for protection against rotation	1 Nm
Max. torque Mx	1 Nm
Max. radial force at drive shaft	45 N
Max. feed force Fx	300 N
No-load driving torque	0.08 Nm
Reference value for working load, horizontal	30 kg
Reference value for working load, vertical	15 kg
Mass moment of inertia JH per metre of stroke	0.0476 kgcm <sup>2</sup>
Mass moment of inertia JL per kg of working load	0.0023 kgcm <sup>2</sup>
Mass moment of inertia, JO	0.0439 kgcm <sup>2</sup>
Moving mass with 0 mm stroke	170 g
Additional weight per 10 mm stroke	33 g
Basic weight for 0 mm stroke	750 g
Additional mass factor per 10 mm of stroke	6.9 g

Feature	Value
Mounting type	with internal (female) thread with accessories
Materials note	Contains PWIS substances
Materials information for cover	Aluminium casting Painted
Materials information for seals	NBR
Materials information, housing	Wrought Aluminium alloy Smooth anodised
Materials information for piston rod	High alloy steel, non-corrosive
Material information, spindle nut	Roller bearing steel
Material information, spindle	Roller bearing steel
Materials information for cylinder barrel	Wrought Aluminium alloy Smooth anodised