

176 N

For combination with DC-Micromotors Brushless DC-Servomotors

Ball screw

Series BS32-2.0 BS32-2.0 Screw length, standard 171,5 mm Stroke, standard 130 mm Pitch 2,0 mm Mean actual travel deviation e_{0a} : 5 (According to accuracy class 1)5 (According to accuracy class 1) – maximum permissible μm Tolerance of travel variation v_{up} μm 91 Efficiency, max. % η _{max.} Operating temperature range °C -35 ... +100 Bearing ball bearings, preloaded Axial load capacity: C_{am} – dynamic ≤ 890 ≤ 887 static Shaft load, max.: - radial (50 mm from mounting face) F_{rs max} ≤ 100 - axial play ≤ 5 Screw nut load, max.: radial ≤ 44 Ν $F_{rn max}$ Material - screw stainless steel nut stainless steel - balls stainless steel Direction of rotation right hand thread

Recommended values - mathematically independent of each other			
Continous axial load, max.	F _{m max} .	176	N
Intermittent axial load, max.	F _{p max} .	887	N
Rotational speed, max.	F	5 000	rpm
Linear speed, max.		166	mm/s

Note: Specifications are valid over the whole entire travel according to ISO 3408.

A clean and contamination/dust free operating environment is required for performance as specified in the datasheet. Do not remove the nut from the screw! No relubrication allowed.

