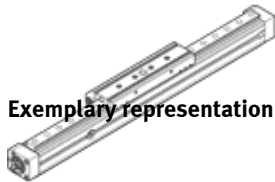


# Positioning axis DMES-40- -

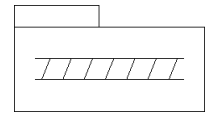
Part number: 533701  
Product to be discontinued

Type to be discontinued. Available until 2019. See Support Portal for alternative products.

FESTO



Exemplary representation



## Data sheet

Overall data sheet – Individual values depend upon your configuration.

Feature	Value
Working stroke	50 ... 1,200 mm
Size	40
Reversing play in relation to the distance	Diagram
Spindle diameter	20 mm
Spindle pitch	4 mm/U
Assembly position	Any
Guide	Plain-bearing guide Recirculating ball bearing guide
Design structure	Electromechanical linear axis With lead screw
Spindle type	Lead screw
Max. acceleration	2.5 m/s <sup>2</sup>
Max. speed	0.05 m/s
Repetition accuracy	±0,05 mm
Duty cycle	100%
Protection class	IP40
Ambient temperature	0 ... 50 °C
Max. drive torque	3 Nm
Max. radial force at drive shaft	250 N
Max. feed force F <sub>x</sub>	1,000 N
Position rigidity	4,200 N/mm
No-load driving torque	0.45 Nm
Reference value, running performance	150 km
Lubrication interval, distance dependent	35 km
Material of end caps	Wrought Aluminum alloy Anodized
Material of moment compensator	Wrought Aluminum alloy Anodized
Material of profile	Wrought Aluminum alloy Anodized
Materials note	Contains PWIS substances
Material cover tape	High alloy steel, non-corrosive
Material drive cover	Wrought Aluminum alloy Anodized
Material runner	Wrought Aluminum alloy Anodized
Material slide	Wrought Aluminum alloy Anodized
Material spindle nut	POM
Material spindle	Steel