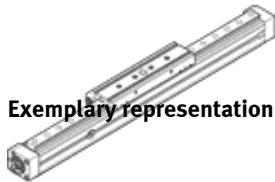


# positioning axis DMES-18- -

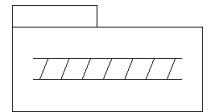
Part number: 533699  
Product to be discontinued

FESTO

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



Exemplary representation



## Data sheet

Overall data sheet – Individual values depend upon your configuration.

Feature	Value
Working stroke	50 ... 400 mm
Size	18
Reversing play in relation to the distance	Diagram
Spindle diameter	8 mm
Spindle pitch	1.5 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	0.3 Nm
Max. radial force at drive shaft	40 N
Max. feed force F <sub>x</sub>	240 N
Position rigidity	1,700 N/mm
No-load driving torque	0.07 Nm
Reference value, running performance	100 km
Lubrication interval, distance dependent	35 km
Material of end caps	Wrought Aluminium alloy Anodised
Material of moment compensator	Wrought Aluminium alloy Anodised
Material of profile	Wrought Aluminium alloy Anodised
Materials note	Contains PWIS substances
Material cover tape	High alloy steel, non-corrosive
Material drive cover	Wrought Aluminium alloy Anodised
Material runner	Wrought Aluminium alloy Anodised
Material slide	Wrought Aluminium alloy Anodised
Material spindle nut	POM
Material spindle	Steel