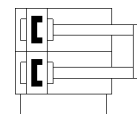
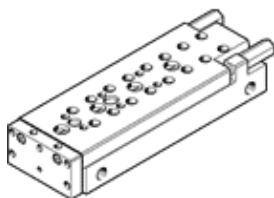


# Mini slide SLT-6-50-P-A

Part number: 170553

FESTO

with precision heavy-duty ball-bearing guide and adjustable end stops.



## Data sheet

Feature	Value
Stroke	50 mm
Adjustable end-position range/length	7 mm
Piston diameter	6 mm
Operating mode of drive unit	Yoke
Cushioning	P: Flexible cushioning rings/plates at both ends
Assembly position	Any
Guide	Ball bearing cage guide
Design structure	Yoke kinematics
Position detection	For proximity sensor
Working pressure	1.5 ... 10 bar
Mode of operation	double-acting
Operating medium	Compressed air in accordance with ISO8573-1:2010 [7:4:4]
Note on operating and pilot medium	Lubricated operation possible (subsequently required for further operation)
Corrosion resistance classification CRC	0 - No corrosion stress
Ambient temperature	-20 ... 60 °C
Impact energy in end positions	0.016 Nm
Max. force F <sub>y</sub>	190 N
Max. force F <sub>z</sub>	190 N
Max. torque M <sub>x</sub>	1.4 Nm
Max. torque M <sub>y</sub>	1.4 Nm
Max. torque M <sub>z</sub>	0.5 Nm
Theoretical force at 6 bar, return stroke	25 N
Theoretical force at 6 bar, advance stroke	34 N
Moving mass	85 g
Product weight	196 g
alternative connections	See product drawing
Mounting type	with through hole
Pneumatic connection	M5
Materials note	Free of copper and PTFE
Material cover	Wrought Aluminum alloy
Material seals	HNBR
Material housing	Wrought Aluminum alloy
Material piston rod	High alloy steel, non-corrosive