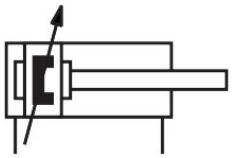
ISO cylinder
DSNU-25-300-PPV-A

Part number: 19253





Data sheet

Feature	Value
Stroke	300 mm
Piston diameter	25 mm
Piston rod thread	M10x1.25
Cushioning	Pneumatic cushioning, adjustable at both ends
Mounting position	Any
Conforms to standard	CETOP RP 52 P ISO 6432
Piston-rod end	Male thread
Design	Piston Piston rod Cylinder barrel
Position detection	Via proximity switch
Variants	Piston rod at one end
Operating pressure	0.1 MPa...1 MPa 1 bar...10 bar
Mode of operation	Double-acting
Operating medium	Compressed air to ISO 8573-1:2010 [7:4:4]
Note on operating and pilot medium	Lubricated operation possible (in which case lubricated operation will always be required)
Corrosion resistance class CRC	2 - Moderate corrosion stress
LABS (PWIS) conformity	VDMA24364-B1/B2-L
Cleanroom suitability, measured according to ISO 14644-14	Class 6 according to ISO 14644-1
Ambient temperature	-20 °C...80 °C
Impact energy in end positions	0.3 J
Cushioning length	17 mm
Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke	247.4 N
Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke	294.5 N
Moving mass for 0 mm stroke	71 g
Additional moving mass per 10 mm stroke	6 g
Basic weight for 0 mm stroke	238 g
Additional weight per 10 mm stroke	11 g
Type of mounting	With accessories
Pneumatic connection	G1/8

Feature	Value
Note on materials	RoHS compliant
Material cover	Wrought aluminium alloy Colourless anodised
Material seals	NBR TPE-U(PU)
Material piston rod	High-alloy stainless steel
Material cylinder barrel	High-alloy stainless steel