



## DKE-100--PPV-A

### Clamping unit cylinder

Feature	Data/description
Stroke	1 - 2.000 mm
Piston diameter	100 mm
Based on the standard	ISO 6431
Cushioning	Pneumatic cushioning, adjustable at both ends (PPV)
Assembly position	Any
Mode of operation	double-acting
Type of clamping with direction of action	at both ends Clamping with spring, release with compressed air
Design structure	Piston Piston rod Tie rod Cylinder barrel
Position detection	with proximity sensor
Variants	Single-ended piston rod
Operating pressure	1 - 10 bar
Minimum release pressure	3,8 bar
Operating medium	Dried compressed air, lubricated or unlubricated
Corrosion resistance classification CRC	0
Ambient temperature	-20 - 80 °C
Cushioning length	32 mm
Static holding force	8.000 N
Theoretical force at 6 bar, return stroke	4.418 N
Theoretical force at 6 bar, advance stroke	4.712 N
Additional weight per 10 mm stroke	150 g
Basic weight for 0 mm stroke	17.615 g



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<b>Feature</b>	<b>Data/description</b>
Mounting type	with accessories
Pneumatic connection	G1/2
Materials information for cover	Aluminium die cast Wrought Aluminium alloy
Materials information for seals	NBR
Materials information, housing	Aluminium
Materials information for piston rod	Heat-treatment steel