



A range of clamps for heavy-duty applications with long service life, equipped with a vertically mounted pneumatic cylinder. Pneumatic toggle clamps are particularly suitable for clamping components during welding, in the automotive industry, or wherever a high clamping force is required. Once clamped, the mechanism provides self-locking security, preventing release in the event of compressed air failure. They are fitted with a double-acting pneumatic cylinder with a magnetic piston for non-contact position sensing

Working pressure	0,6 MPa
Min. pressure	0,15 MPa
Max. pressure	1,0 MPa
Temp. range	-30°C to +80°C
Working medium	modified compressed air

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<b>Piston diameter [mm]</b>	<b>50</b>
Connections	G1/4"
Release angle [°]	90
Pneumatic cylinder stroke [mm]	100
Clamping force F2 at pressure 0,6 MPa [N]	2.500
Locking force F1 at clamped position [N]	12.000
Weight [kg]	7,25

**Order codes**

2000 10258 050 0100

Piston diameter		Stroke / angle	
050	50 mm	0100	100 mm, release angle 90°



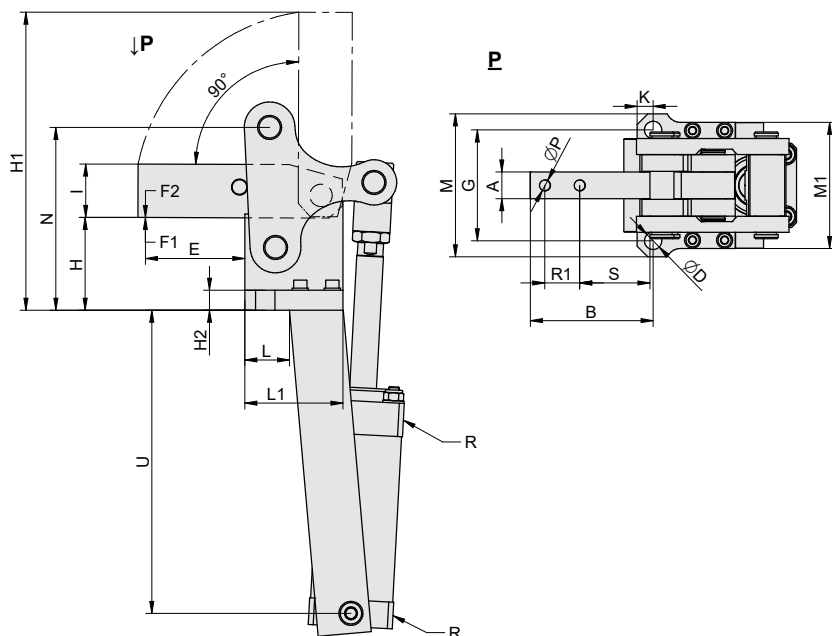
In case of proximity sensing request, please use switches series KT-21 or RZT7/MZT8 - see page 3-2 and 3-4 for details (cylinder with profile VDMA 24562).



**Caution**

The clamp must be correctly adjusted in its working (clamped) position, to be self-locking.

**Dimensions**



∅	A	B	D	E	G	H
50	20	91	13	70	83	69

∅	H1	H2	I	K	L	L1
50	223	15	40	12	33,5	73,5

∅	M	M1	N	P	R	R1
50	107	94,5	137	8,2	G1/4"	26

∅	S	U
50	52,5	227

**Construction / materials**

- body, end cap: dural, anodized
- piston rod: CK45
- arm and cosnole: steel, zinc plated
- clamping arm support: slide bearing