



Pneumatic rectilinear clamps of the UCBP series are suitable for clamping elements during welding in semi-automatic operations, where the work is combined with manual entry into the machine. It is possible to equip them with a position sensor suitable for covered environments. Advantage of the clamp is that the parts moving rectilinearly are covered and are thereby protected from flying irons and dust. Manual handling allows safe control of the clamp, when the clamp is not under pressure. For safe securing, it is necessary to subsequently fill the clamp with compressed air. The clamp can be controlled by air, when there is no operator access.

For more information like technical data and dimensions, please visit our web page on [www.sappv.cz](http://www.sappv.cz).

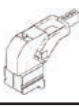
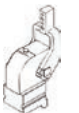

Min. pressure	0.4 MPa
Max. pressure	0.6 MPa
Ambient temp.	+5°C to +45°C
Working medium	modified compressed air

<b>Piston diameter [mm]</b>	<b>50</b>
Connections	G1/4"
Release angle [°] (depends on arm*)	adjustable setting 0 to (105)135
Clamping moment (0.5 MPa) [Nm]	280
Locking torque of the clamped position [Nm]	1250
Working pressure [MPa]	0.4 to 0.6
End position damping method	rubber stop (requires use of throttle valves on both threaded connections)
Min. clamping/release time [s]	1
Sensor	integrated 10 to 30V, connector M12
Weight [kg]	3.2 (without the arm)
Weight of the clamping arm [kg]	0.9 for offset 15 mm, 1.0 for offset 45 mm


\*) The angle depends on the type and orientation of the arm, see the dimensional diagram on our website

## Order codes

N UCBM 50 O E A K 0

Arm position		Arm shape*		Arm material		Proximity switch	
V	90° 	C	centre position, 15 mm offset	A	Al alloy	D	pneumatic switch
O	180° 	D	right position, 15 mm offset	S	steel	K	electronic switch PNP (optical) (DF-K)
N	without arm 	S	left position, 15 mm offset	N	without arm	J	electronic switch NPN (optical) (DF-J)
		E	centre position, 45 mm offset			N	no switch (with a protective sheet)
		F	right position, 45 mm offset				
		L	left position, 45 mm offset				
		N	without arm				

\*) all arm variants can be supplied with an oversized dowel hole Ø8 H7 on request

 In case of different size requirements, please contact our technical department

 In case of a position sensing request, please contact our technical department