



Pneumatic rectilinear clamps of the UCBP series are especially suitable for clamping elements during welding, in the automotive industry or where it is necessary that the clamp does not take up a lot of space. It is possible to equip them with a position sensor suitable for welding environments. Advantage of the clamp is that the parts moving rectilinearly are covered and are thereby protected from flying irons and dust. After clamping, the clamp is mechanically secured and there is no risk of loosening in the event of a compressed air failure. The clamp without manual lever is intended for highly automated operations where manual control by the operator is not an option.

For more information like technical data and dimensions, please visit our web page on www.sappv.cz.


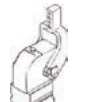

Min. pressure	0.4 MPa
Max. pressure	0.6 MPa
Ambient temp.	+5°C to +45°C
Working medium	modified compressed air

Piston diameter [mm]	50
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]	2.5 (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 UCBP 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

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

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