

Gripper units serie UNICLAMP

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The handling, positioning as well as the maintenance operations have to be carried out only by authorized personnel when the system is disconnected and by observing all the conditions that guarantee the security of the staff. The residual risks regarding the sole maintenance phase consist in the squashing of the upper parts of the operator's body. As a preventive measure an appropriate signal must alert the operator.

>Tip assembly and installation



SINGLE ARM - FIXED TIPS

Place the tips on the fixed base, screw with an hex key (see table below) and tighten the desired position with a counternut (SW10 Ø32, SW13 Ø40)

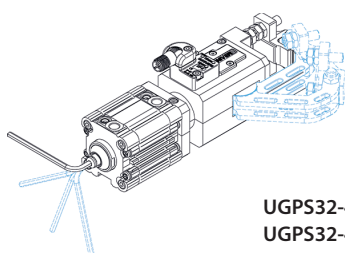
Tip version	Ø32 SW	Ø40 SW
A - C - D	10	13
B - E	8	10



SINGLE/DOUBLE ARM - SELF-ADJUSTING TIPS

Place the tips, screw with allen key (2,5 Ø32, 3 Ø40) and tighten the desired position with a counternut (SW10 Ø32, SW13 Ø40)

>Stepless adjustable opening angle

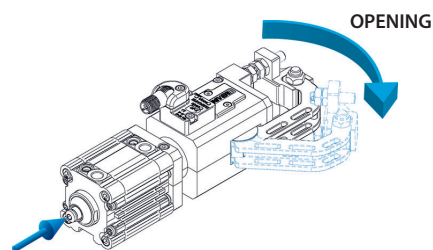


UGPS32-40D: 0° ÷ 160°
 UGPS32-40S: 0° ÷ 50°

PUSH AND ROTATE

- Put the device in closed position
- Put the hex key in the proper seat and push the nut until it engages the adjustment screw
- After adjusting the opening angle, keep the hex key off
- Set the clamping arm in open position to check the set angle

>Manual release button



UNLOCK

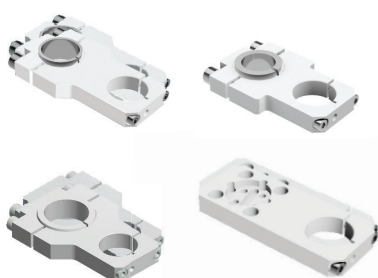
- In case of air loss the gripper can be unlocked by means of the nut palced in the bottom part of the unit

>Fixing instructions

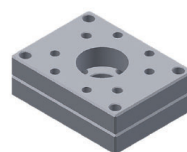
The unit can be fixed to the equipment by means of the proper fixing elements.



360° orbital mount



Flange mount



>Instructions for the connection of the clamp to its energy source

Connect the sensor of the clamp to its electric supply unit.

Then connect the pneumatic tube by means of suitable pneumatic fittings according to the specification below:

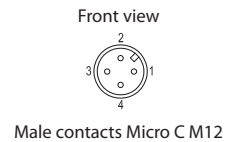
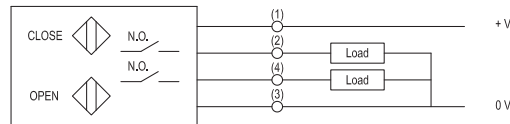
- G1/8" fittings

Operating pressure from 4 to 6 bar

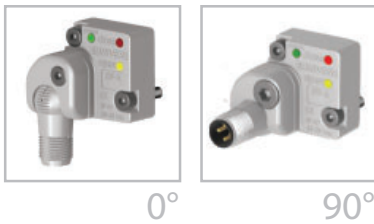
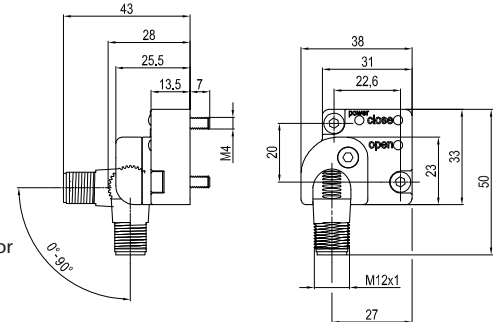
>Electronic sensor

TECHNICAL CHARACTERISTICS

Supply voltage	10-30 V DC
Supply current without load	<25 mA
Rated operational current	30 mA
Voltage drop	<3,5 V DC
Output logic	PNP N.O.
Led- supply	green (power)
Led- close position	red (close)
Led- open position	yellow (open)
Protection class	IP 67
Weight	64 gr
No Reset	



Dimensions



Change of the sensor

Unscrew the screws on the sensor base and replace the sensor

Connector orientation

- Unscrew the screw of the connector
- Rotate the connector (0° or 90°)
- Tighten the screw

>Type and frequency of controls and/or maintenance work

The unit has a life cycle of 3 million cycles and has been designed and constructed in such a way that specific programmed maintenance is not necessary. A monthly external cleaning of the welding deposits with suitable, not aggressive and not corrosive detergents is recommended.