

AR-Series



Optional: auto-retaining device for opening position

An extremely light device which maintains the clamping arm in its defined opening position in case of air loss. The AR-series has been designed for **maximum load capacity** and due to its compact dimensions, it can be used on the same side of the manual operation handle. It locks the manual lever and guarantees the working position of the pin package with no air. It can easily be assembled on the right, as well as on the left side of the unit.



Patented



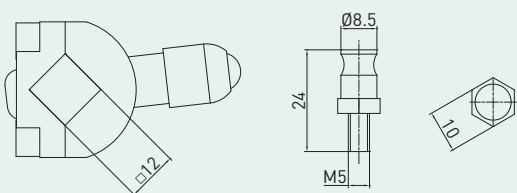
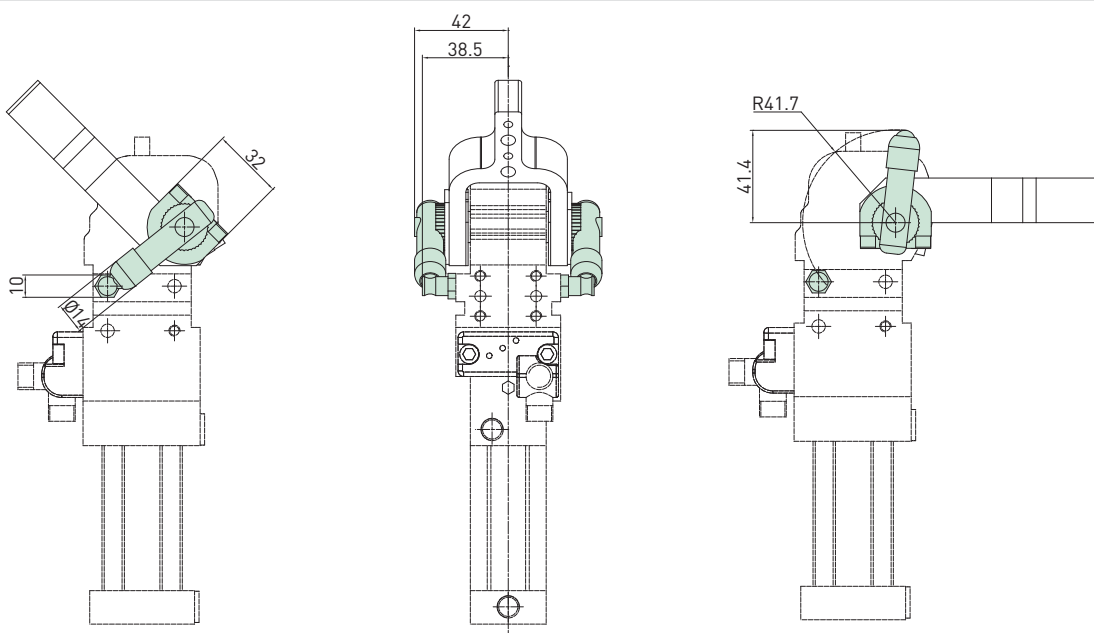
Ordering string

AR-Series

AR 12

AR	PRODUCT	AR	= Auto-retaining device	
12	SIZE	12	= Clamp's shaft 12 mm	19N = Clamp's shaft 19 mm NAAMS
		16	= Clamp's shaft 16 mm	22N = Clamp's shaft 22 mm NAAMS
		19	= Clamp's shaft 19 mm	30N = Clamp's shaft 30 mm NAAMS
		22	= Clamp's shaft 22 mm	09R = for RD250 pin packages
		30	= Clamp's shaft 30 mm	

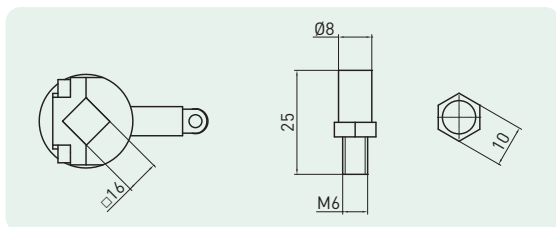
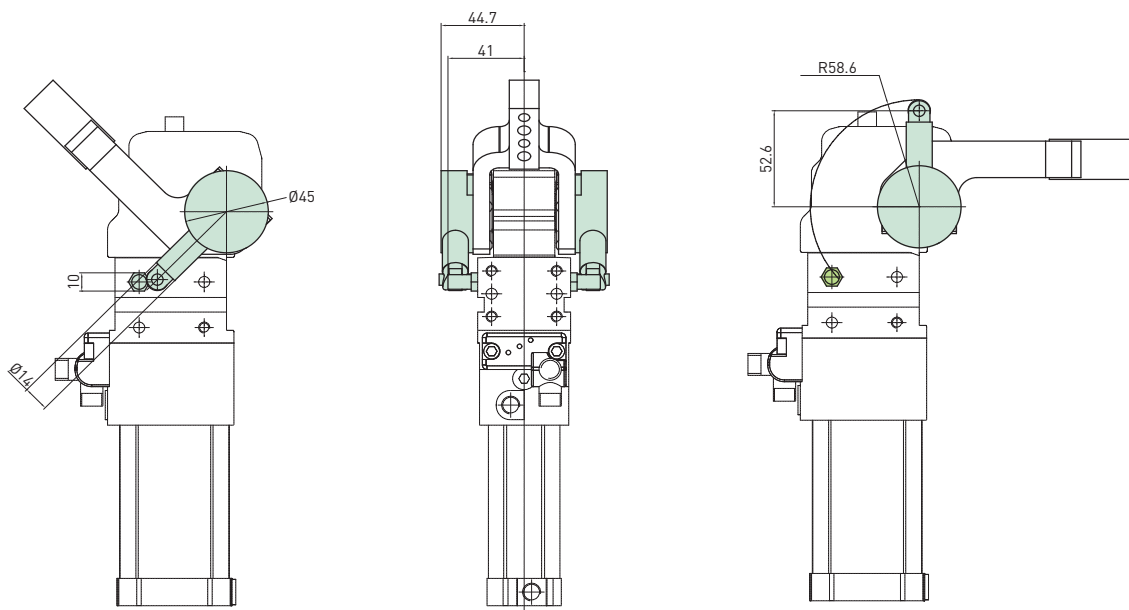
AR12 / Clamp's shaft 12 mm



* DIMENSIONAL TOLERANCE
FOR DOWEL HOLES: ± 0.02
DIMENSIONAL TOLERANCE
FOR THREADED HOLES: ± 0.1

REV. 00 - 17/02/2016

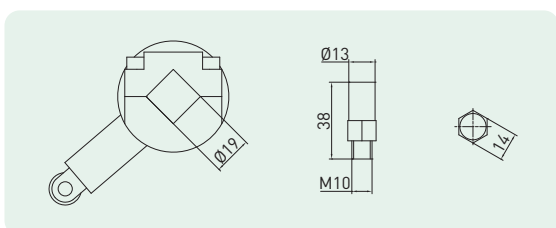
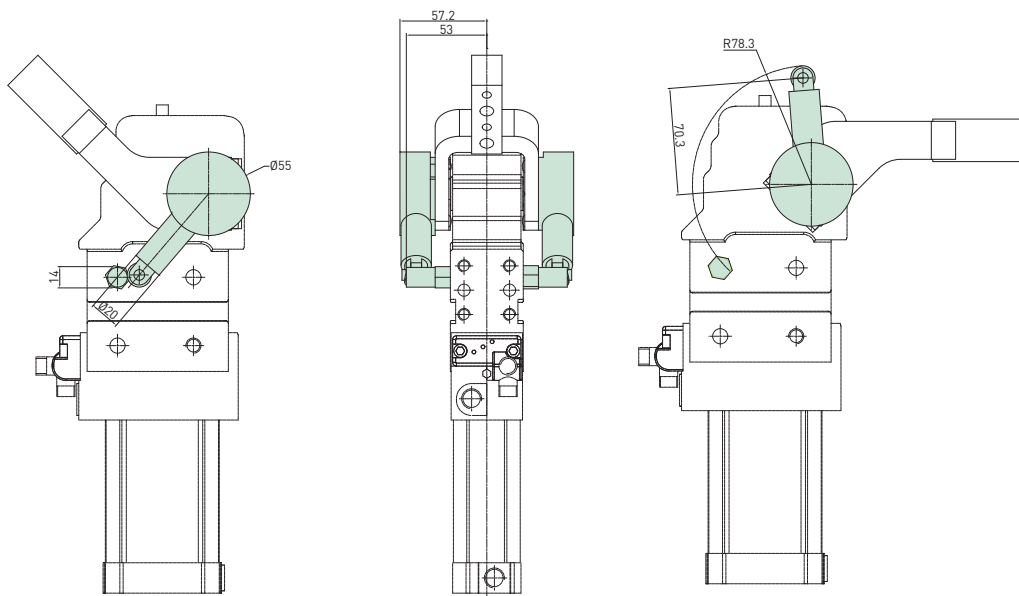
AR16 / Clamp's shaft 16 mm



* DIMENSIONAL TOLERANCE
FOR DOWEL HOLES: ± 0.02
DIMENSIONAL TOLERANCE
FOR THREADED HOLES: ± 0.1

REV. 00 - 16/02/2016

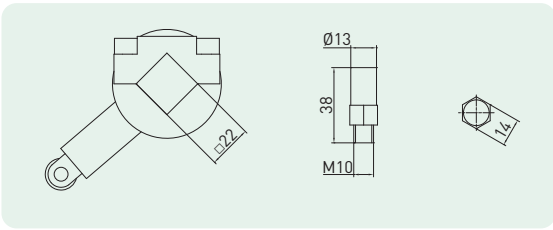
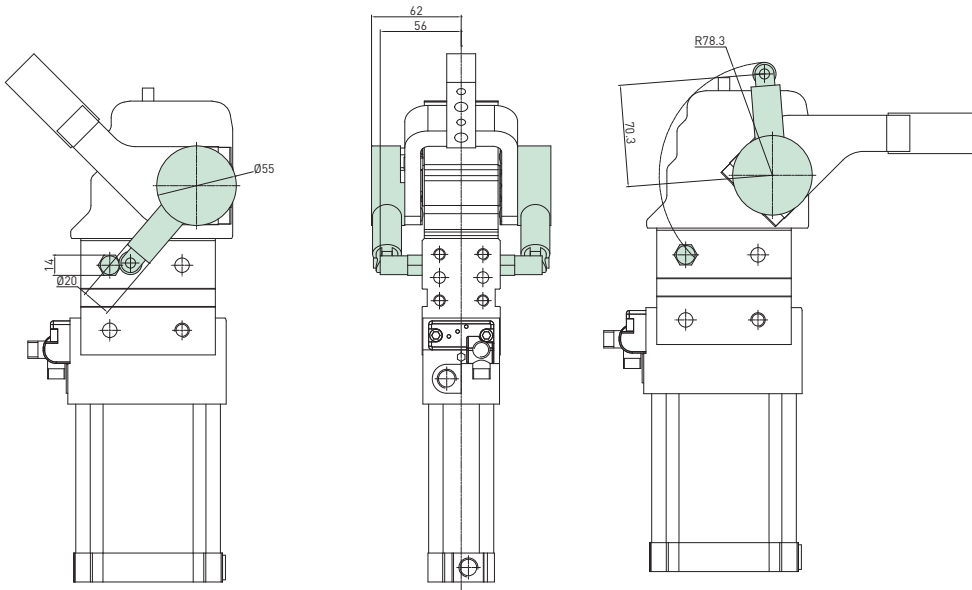
AR19 / Clamp's shaft 19 mm



* DIMENSIONAL TOLERANCE
FOR DOWEL HOLES: ± 0.02
DIMENSIONAL TOLERANCE
FOR THREADED HOLES: ± 0.1

REV. 00 - 16/02/2016

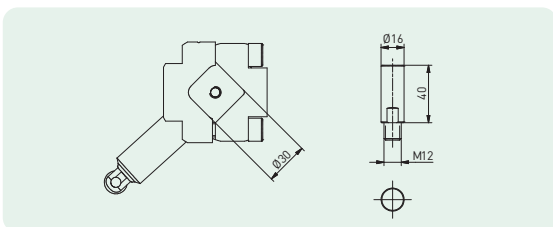
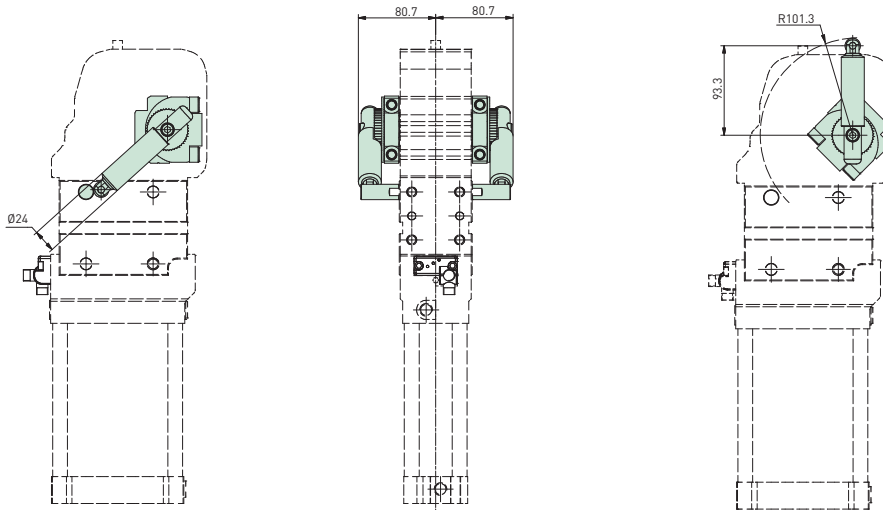
AR22 / Clamp's shaft 22 mm



* DIMENSIONAL TOLERANCE
FOR DOWEL HOLES: ± 0.02
DIMENSIONAL TOLERANCE
FOR THREADED HOLES: ± 0.1

REV. 00 - 16/02/2016

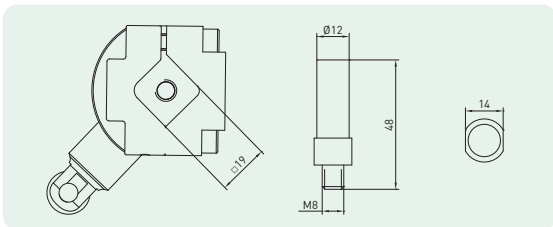
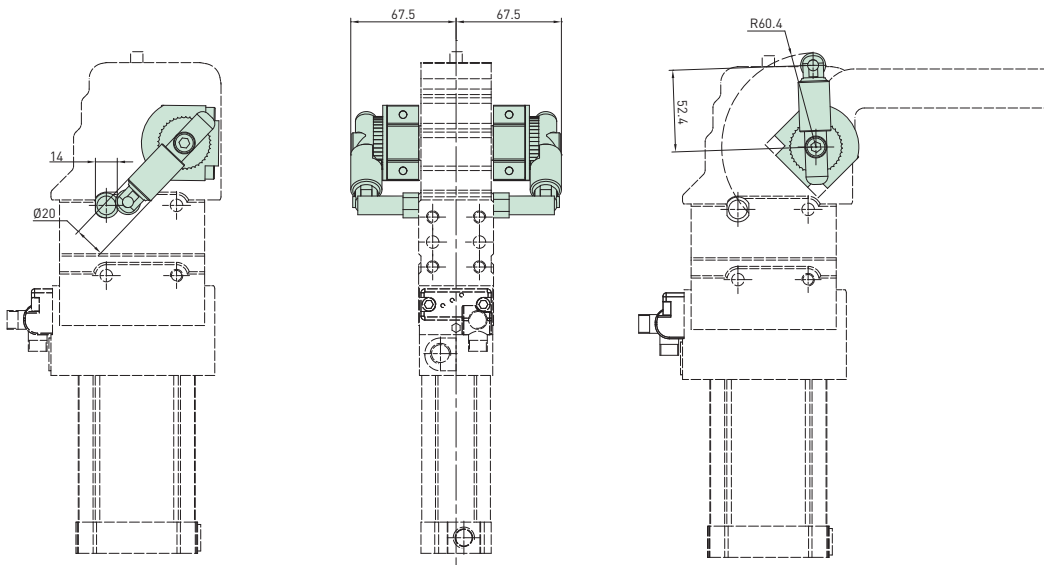
AR30 / Clamp's shaft 30 mm



* DIMENSIONAL TOLERANCE
FOR DOWEL HOLES: ± 0.02
DIMENSIONAL TOLERANCE
FOR THREADED HOLES: ± 0.1

REV 00 - 29/03/2019

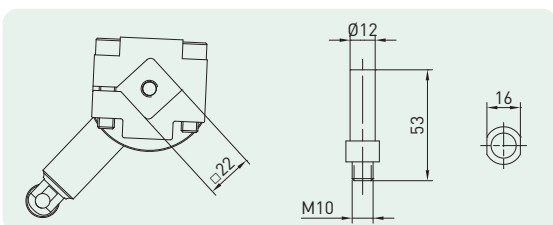
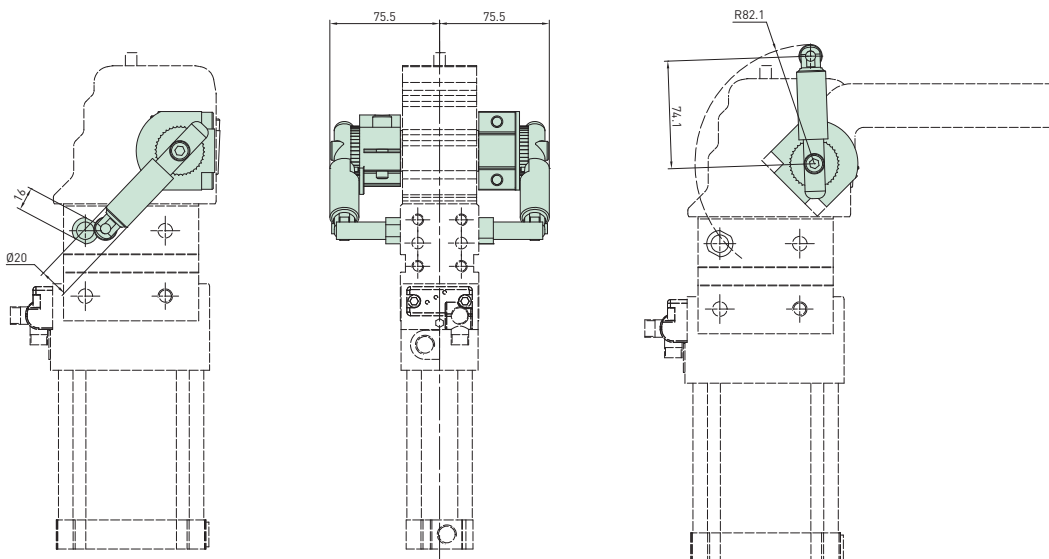
AR19N / Clamp's shaft 19 mm - NAAMS std



* DIMENSIONAL TOLERANCE
FOR DOWEL HOLES: ± 0.02
DIMENSIONAL TOLERANCE
FOR THREADED HOLES: ± 0.1

REV 00 - 29/03/2019

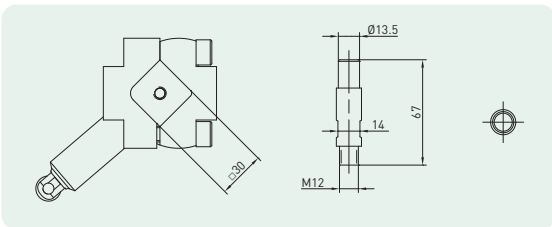
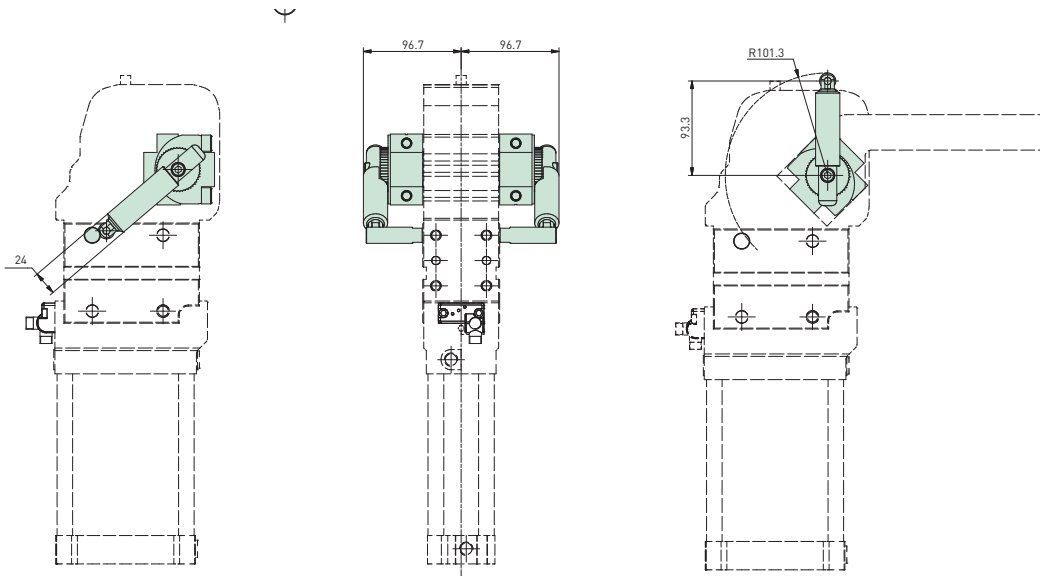
AR22N / Clamp's shaft 22 mm - NAAMS std



* DIMENSIONAL TOLERANCE
FOR DOWEL HOLES: ± 0.02
DIMENSIONAL TOLERANCE
FOR THREADED HOLES: ± 0.1

REV 00 - 29/03/2019

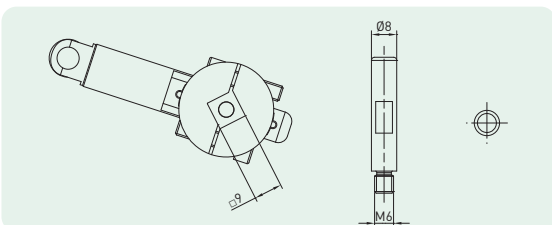
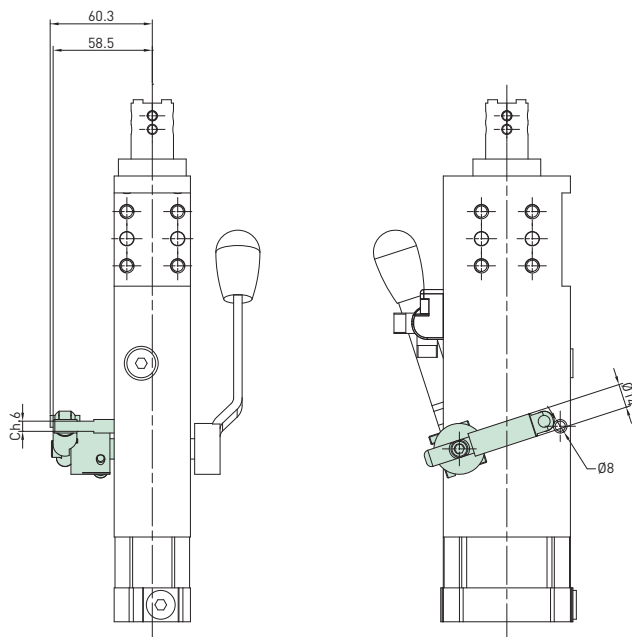
AR30N / Clamp's shaft 30 mm - NAAMS Std



* DIMENSIONAL TOLERANCE
FOR DOWEL HOLES: ± 0.02
DIMENSIONAL TOLERANCE
FOR THREADED HOLES: ± 0.1

REV. 00 - 29/03/2019

AR09RD / Auto-retaining system for pin packages with manual operation



* DIMENSIONAL TOLERANCE
FOR DOWEL HOLES: ± 0.02
DIMENSIONAL TOLERANCE
FOR THREADED HOLES: ± 0.1

REV. 00 - 05/03/2018

Auto-retaining device

Quick installation guide

Caution

Any maintenance operation may only be carried out by qualified and authorized personnel. For any reason, do not reach into the pivoting range of the clamping arms, when the clamps are in operation. Disconnect and lock out pneumatic and electric supply lines before operating on or around clamps.

A worksheet for the right sizing of the pin packages is available upon request. Visit our website for technical documents

<http://automotive.pneumax.it/>



Clamps in open position with auto-retain device

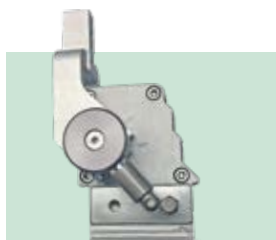
Clamp arm assembly



Position **1**



Position **2**



Position **3**



Position **4**

Please check the max opening angle related to the different arm position in our catalogue.

Auto-retaining device for opening position



Patented

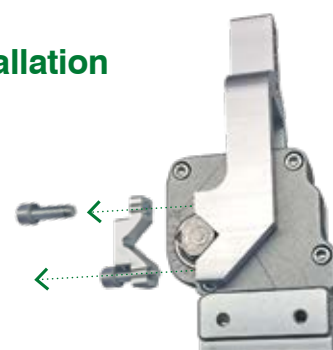
An extremely light device which maintains the clamping arm in its defined opening position in case of air loss. The AR-series has been designed for **maximum load capacity** and due to its compact dimensions, it can be used on the same side of the manual operation handle.

With the clamping arm in the opening position

Clamp arm installation

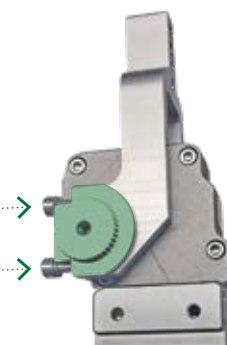
Step 1

Remove the standard bracket.



Step 2

Replace the standard bracket with the specific bracket included AR kit, and tighten it.



Step 3

Adjust the retaining device according to the opening angle, install the pin screw in the threaded hole of the side mount and tighten the retaining device with its screw.



Step 4

Set the interference between the holding device and the pin screw by slightly increasing or decreasing the opening angle adjustment, till the function is secured.

