

Pinze pneumatiche ad azione basculante autocentrante

- Azionamento a doppio effetto.
- Rendimento ed affidabilità elevati, dovuti all'assenza di organi di trasmissione.
- Possibilità di scelta: 2 o 3 griffe.
- Sensori magnetici opzionali.
- Grasso alimentare FDA-H1.

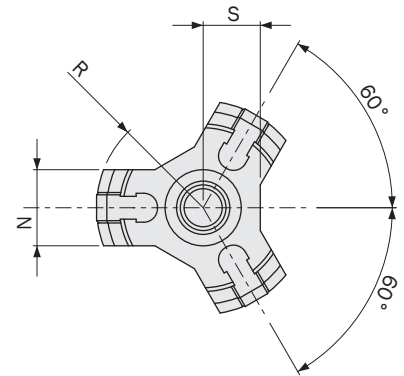
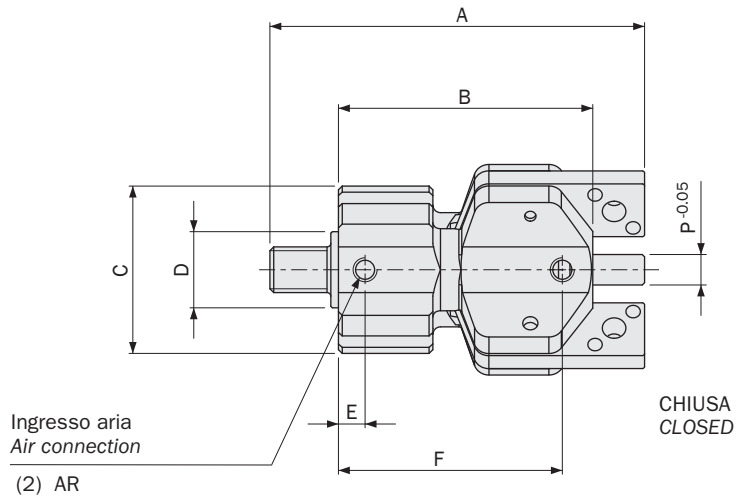
Self-centering angular pneumatic grippers

- Double acting.
- High efficiency and reliability due to the lack of driving parts.
- 2 or 3 jaws.
- Optional magnetic sensors.
- FDA-H1 food-grade grease.



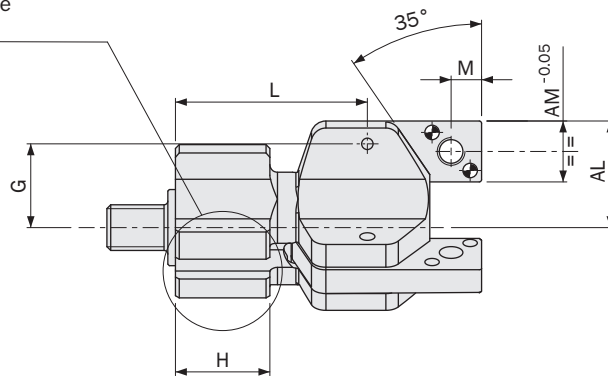
	PN-010-3	PN-010-2	PN-016-3	PN-016-2	PN-025-3	PN-025-2	PN-040-3	PN-040-2
Azionamento <i>Design</i>	Pinza pneumatica ad azionamento basculante autocentrante <i>Self - centering angular motion gripper</i>							
Fluido <i>Medium</i>	Aria compressa a norma ISO 8573-1:2010 [7:4:4] <i>Compressed air in compliance with ISO 8573-1:2010 [7:4:4]</i>							
Pressione di esercizio <i>Compressed air control range</i>	2 ÷ 8 bar							
Corsa <i>Stroke</i> (± 1°)	3 x 19°	2 x 19°	3 x 19°	2 x 19°	3 x 19°	2 x 19°	3 x 19°	2 x 19°
Temperatura di esercizio <i>Permitted temperature range</i>	5 ÷ 60°C.							
Coppia di serraggio per ogni griffa a 6 bar <i>Maximum gripper torque at 6 bar on each jaw</i>	10 Ncm	15 Ncm	38 Ncm	57 Ncm	166 Ncm	249 Ncm	434 Ncm	651 Ncm
Coppia di serraggio totale a 6 bar <i>Total gripper torque at 6 bar</i>	30 Ncm		114 Ncm		498 Ncm		1302 Ncm	
Tempo di chiusura a 6 bar senza carico <i>Closing time at 6 bar without load</i>	0.02 s		0.03 s		0.06 s		0.1 s	
Frequenza max funzionamento continuativo a 6 bar <i>Maximum working frequency at 6 bar</i>	3 Hz				2 Hz		1 Hz	
Consumo d'aria per ciclo a 6 bar <i>Air consumption for cycle at 6 bar</i>	0.49 cm³		2.61 cm³		10.8 cm³		41.1 cm³	
Ripetibilità <i>Repetition accuracy</i>	0.1°				0.1°			
Peso <i>Weight</i>	36 g	33 g	110 g	100 g	410 g	960 g	1070 g	940 g

Dimensioni (mm)
Dimensions (mm)



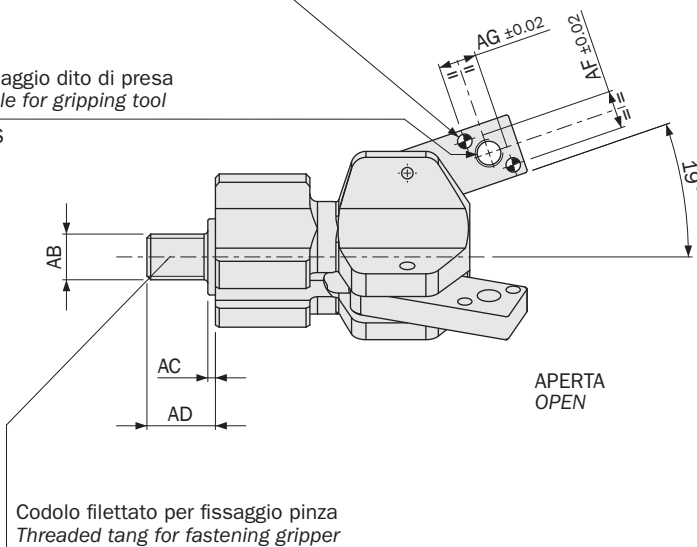
FIRST ANGLE
PROJECTION

Sede per sensore
Sensor slot



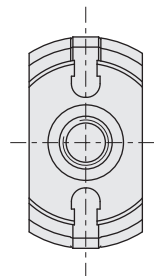
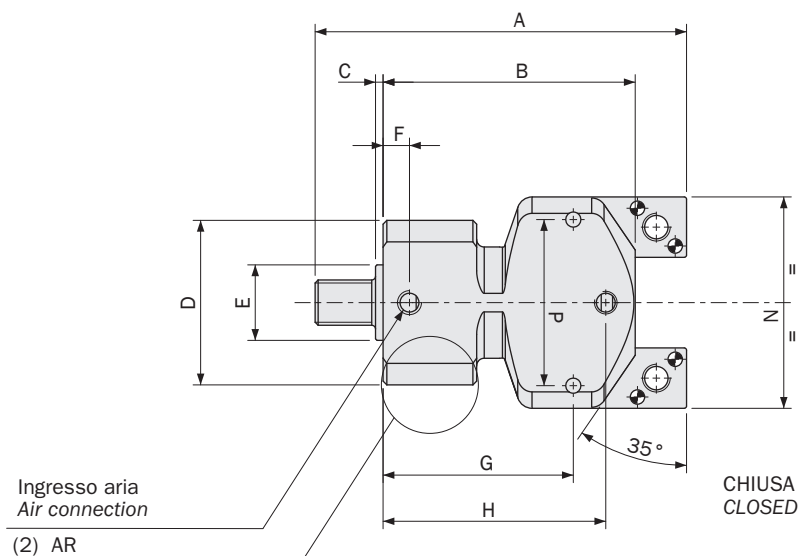
Foro di riferimento dito di presa
Dowel pin hole for gripping tool
(2+2+2) AT

Foro per fissaggio dito di presa
Threaded hole for gripping tool
(1+1+1) AS



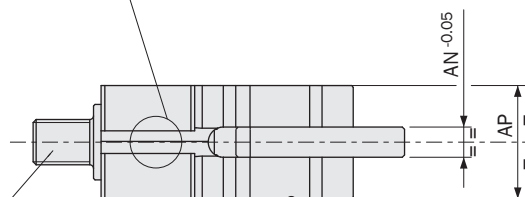
	PN-010-3	PN-016-3
A	49.2	70.5
B	33.4	48.2
C	Ø22	Ø28.8
D	Ø10 h8	Ø10 h8
E	3.5	4.5
F	29.4	41
G	11	17.5
H	12.4	19.5
L	25.2	36
M	4	5.5
N	10	15
P	4	6
R	Ø28	Ø44
S	7.5	11
AB	M6	M8
AC	1	1
AD	9	12.5
AF	5	8
AG	5	7
AL	14	22
AM	8	12
AR	M3	M5
AS	M3	M4
AT	Ø1.5 H8	Ø2 H8

Dimensioni (mm)
Dimensions (mm)



FIRST ANGLE
PROJECTION

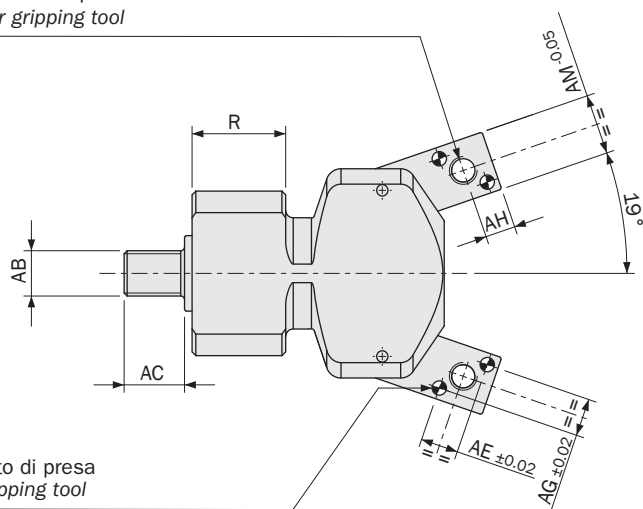
Sede per sensore
Sensor slot



Codolo filettato per fissaggio pinza
Threaded tang for fastening gripper

Foro per fissaggio dito di presa
Threaded hole for gripping tool

(1+1) AS



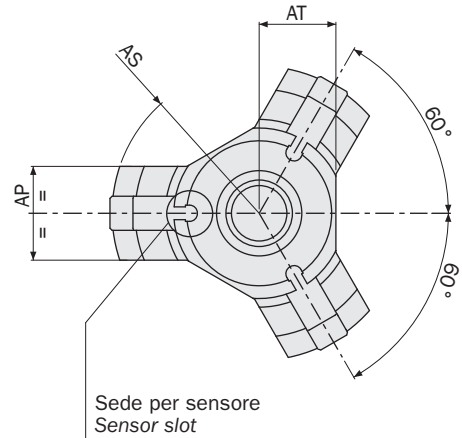
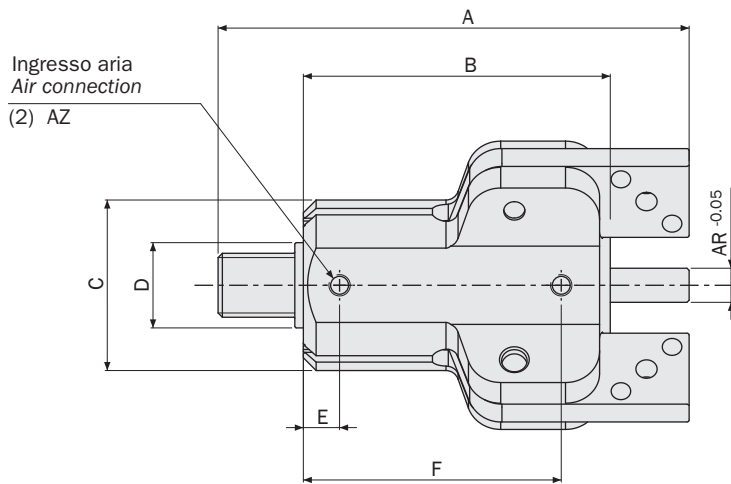
Foro di riferimento dito di presa
Dowel pin hole for gripping tool

(2+2) AT

APERTA
OPEN

	PN-010-2	PN-016-2
A	49.2	70.5
B	33.4	48.2
C	1	1
D	Ø22	Ø28.8
E	Ø10 h8	Ø10 h8
F	3.5	4.5
G	25.2	36
H	29.5	41
N	28	44
P	22	35
R	12.4	19.5
AB	M6	M8
AC	8	11.5
AE	5	7
AG	5	8
AH	4	5.5
AM	8	12
AN	4	6
AP	15	22
AR	M3	M5
AS	M3	M4
AT	Ø1.5 H8	Ø2 H8
AV	Ø28	Ø44

Dimensioni (mm)
Dimensions (mm)

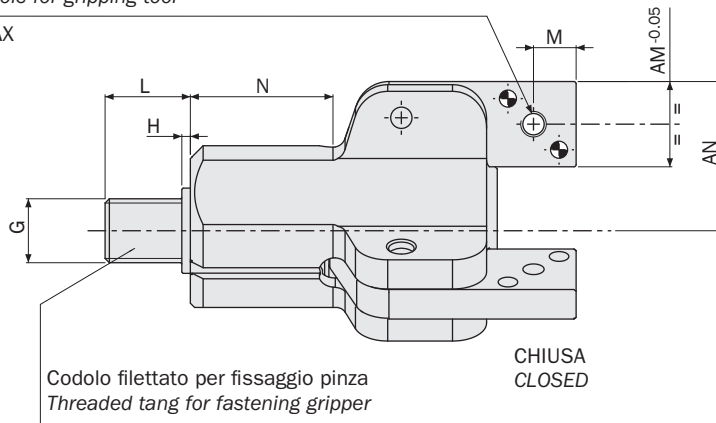


Sede per sensore
Sensor slot

FIRST ANGLE
PROJECTION

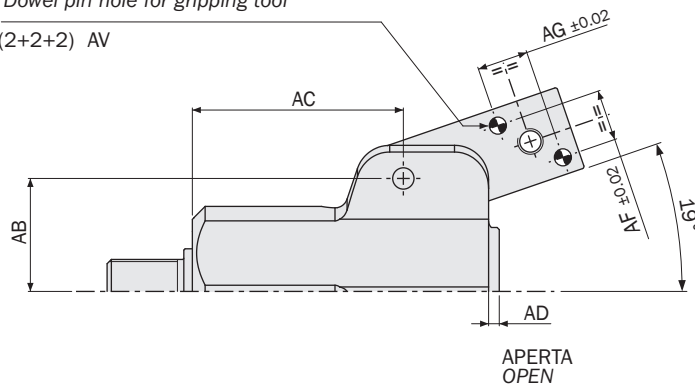
Foro per fissaggio dito di presa
Threaded hole for gripping tool

(1+1+1) AX



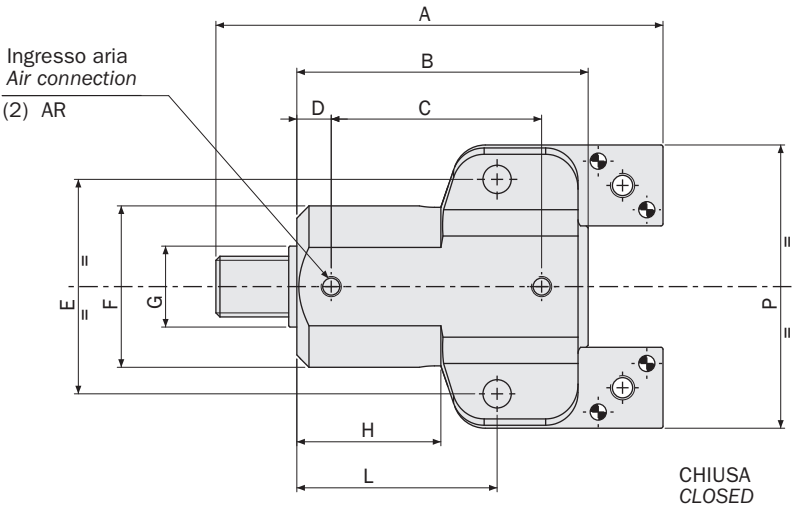
Foro di riferimento dito di presa
Dowel pin hole for gripping tool

(2+2+2) AV

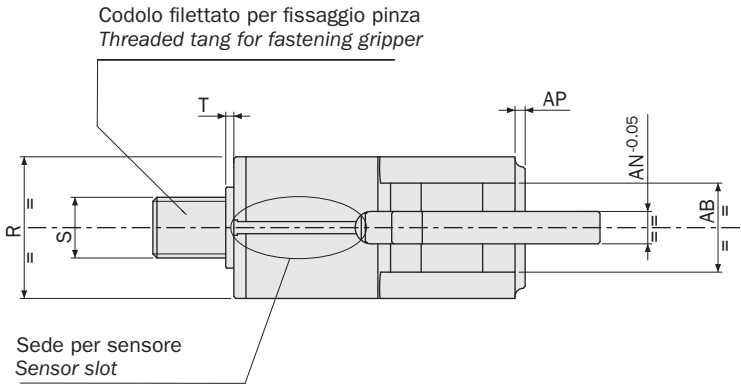


	PN-025-3	PN-040-3
A	110.5	150
B	72	102
C	Ø40	Ø60
D	Ø20 f7	Ø30 f7
E	8.5	12
F	60.5	85
G	M15x1	M20x1
H	2	3
L	20	28
M	10	12
N	33.5	44.2
AB	26.5	39.5
AC	49.5	74
AD	2.5	6.5
AF	12	15
AG	12	15
AM	20	24
AN	35	48.5
AP	22	25
AR	8	10
AS	Ø69	Ø97
AT	18	28
AV	Ø4 H8	Ø5 H8
AX	M6	M8
AZ	M5	1/8 Gas

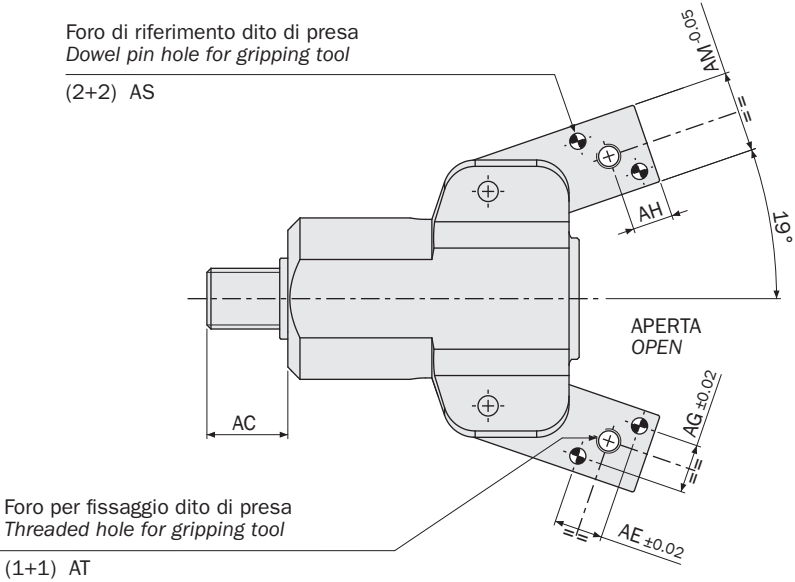
Dimensioni (mm)
Dimensions (mm)



FIRST ANGLE
PROJECTION



Foro di riferimento dito di presa
Dowel pin hole for gripping tool
(2+2) AS



	PN-025-2	PN-040-2
A	110.5	150
B	72	102
C	52	73
D	8.5	12
E	53	79
F	Ø40	Ø60
G	Ø20 f7	Ø30 f7
H	35.6	44.2
L	49.5	74
P	70	97
R	35	56
S	M15x1	M20x1
T	2	3
AB	22	25
AC	20	28
AE	12	15
AG	12	19.5
AH	10	12
AM	20	24
AN	8	10
AP	2.5	6.5
AR	M5	1/8 Gas
AS	Ø4 H8	Ø5 H8
AT	M6	M8
AV	Ø69	Ø97

Sensori

Il rilevamento della posizione di lavoro è affidata ad uno o più sensori magnetici di prossimità inseriti nelle guide del corpo pinza.

Essi rilevano la posizione attraverso un magnete applicato sul pistone.

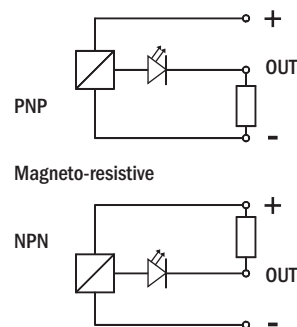
SN4N225-G	PNP	Cavo 2.5m 2.5m cable
SN4M225-G	NPN	
SN3N203-G	PNP	Connettore M8 M8 snap plug connector
SN3M203-G	NPN	

Sono tutti dotati di un cavo piatto a tre fili e di un led.

Sensors

The operating position is detected by proximity magnetic sensors, fitted in the guides of the gripper's body.

These sensors detect the position by means of a magnet placed on the piston.



They are all provided with a 3-wire flat cable and a LED.

