

Pinza pneumatica a 2 griffe ad azione parallela autocentrante (serie SP)

- Azionamento a doppio effetto.
- Meccanismo di regolazione del gioco.
- Grande durata e affidabilità senza manutenzione.
- Diverse possibilità di fissaggio e alimentazione.
- Sensori magnetici opzionali.
- Grasso alimentare FDA-H1.

2-jaw self-centering parallel pneumatic gripper (series SP)

- Double-acting drive.
- Backlash adjusting system.
- Maintenance-free long life and reliability.
- Various mounting and feeding options.
- Optional magnetic sensors.
- FDA-H1 food-grade grease.



SP-20

SP-25

SP-32

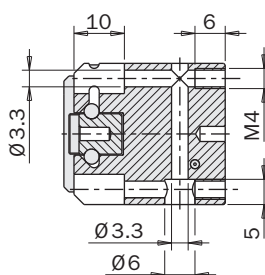
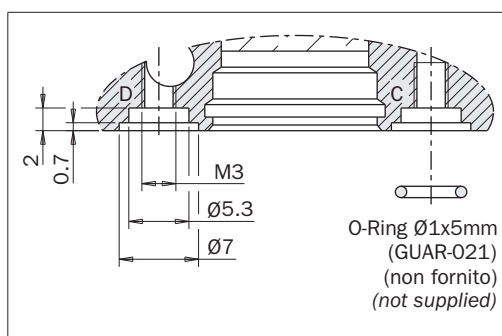
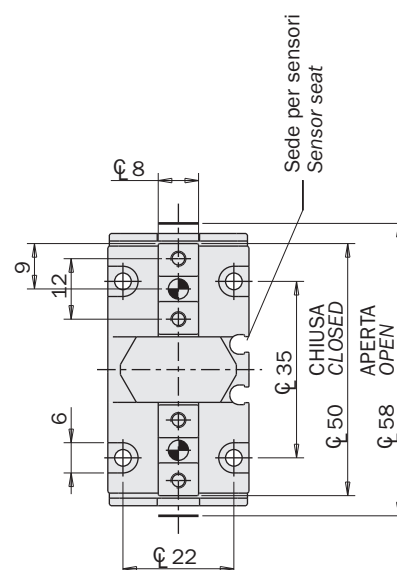
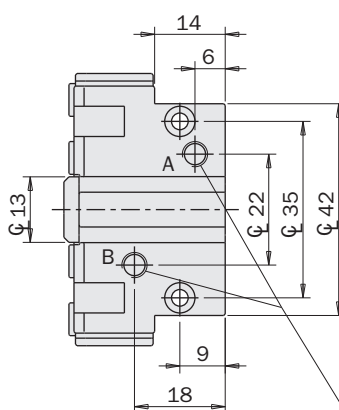
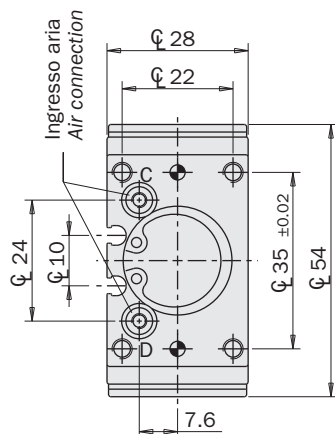
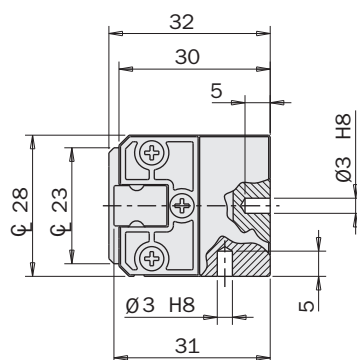
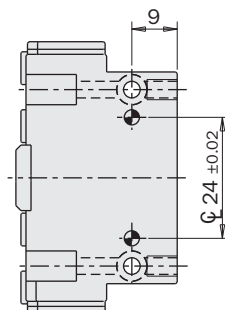
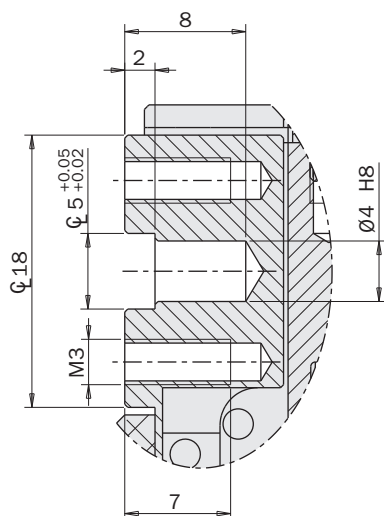
SP-40

	SP-20	SP-25	SP-32	SP-40
Fluido Medium	Aria compressa a norma ISO 8573-1:2010 [7:4:4] Compressed air in compliance with ISO 8573-1:2010 [7:4:4]			
Pressione di esercizio Operating pressure range	2.5 ÷ 8 bar			
Temperatura di esercizio Operating temperature range	5° ÷ 60°C.			
Forza di serraggio per griffa in apertura a 6 bar Opening gripping force at 6 bar on each jaw	70 N	120 N	220 N	350 N
Forza di serraggio totale in apertura a 6 bar Total opening gripping force at 6 bar	140 N	240 N	440 N	700 N
Forza di serraggio per griffa in chiusura a 6 bar Closing gripping force at 6 bar on each jaw	65 N	110 N	200 N	320 N
Forza di serraggio totale in chiusura a 6 bar Total closing gripping force at 6 bar	130 N	220 N	400 N	640 N
Corsa totale (± 0.2 mm) Total stroke	8 mm	12 mm	16 mm	20 mm
Frequenza max funzionamento continuativo Maximum continuous operating frequency	3 Hz	2 Hz	2 Hz	2 Hz
Consumo d'aria per ciclo Air consumption per cycle	3 cm³	6 cm³	13 cm³	31 cm³
Tempo di chiusura senza carico Closing time without load	0.03 s	0.05 s	0.05 s	0.05 s
Tolleranza max ripetibilità Maximum repeatability tolerance	±0.02 mm	±0.02 mm	±0.02 mm	±0.02 mm
Peso Weight	105 g	210 g	380 g	600 g

Dimensioni (mm)
Dimensions (mm)

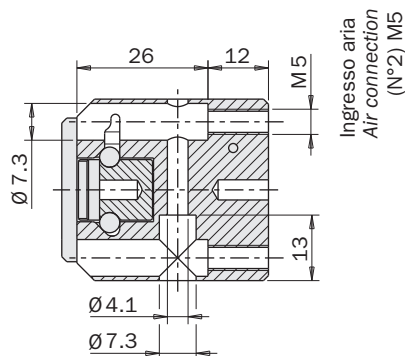
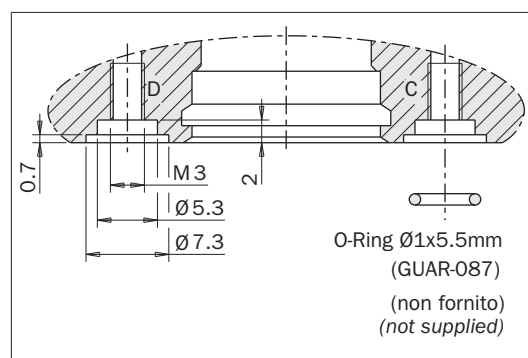
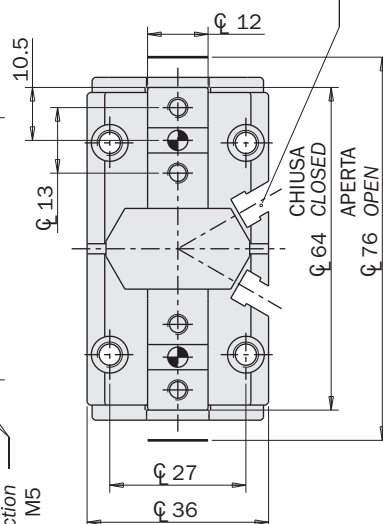
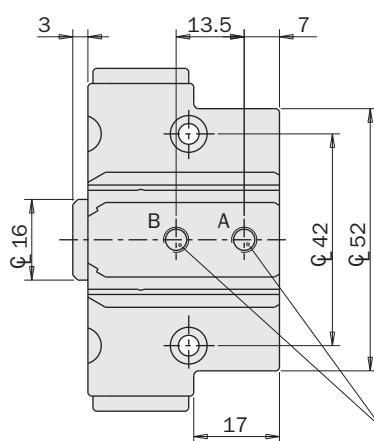
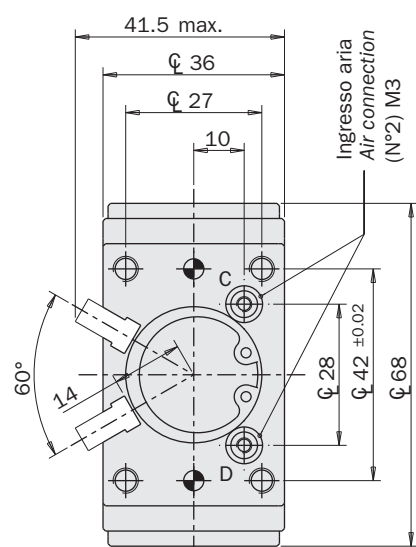
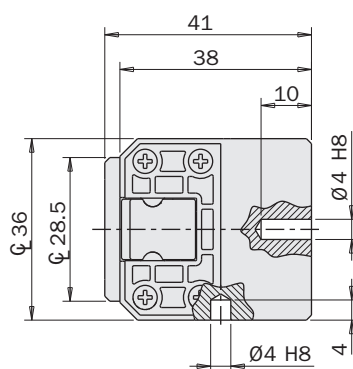
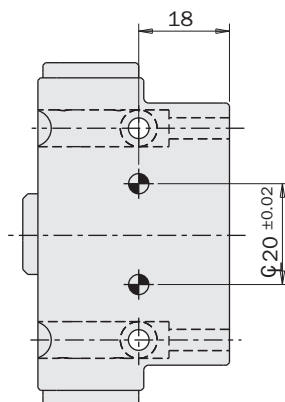
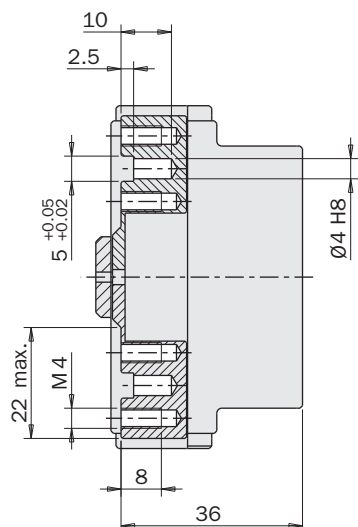
SP-20

Dettaglio griffa sezionata
Jaw cross section



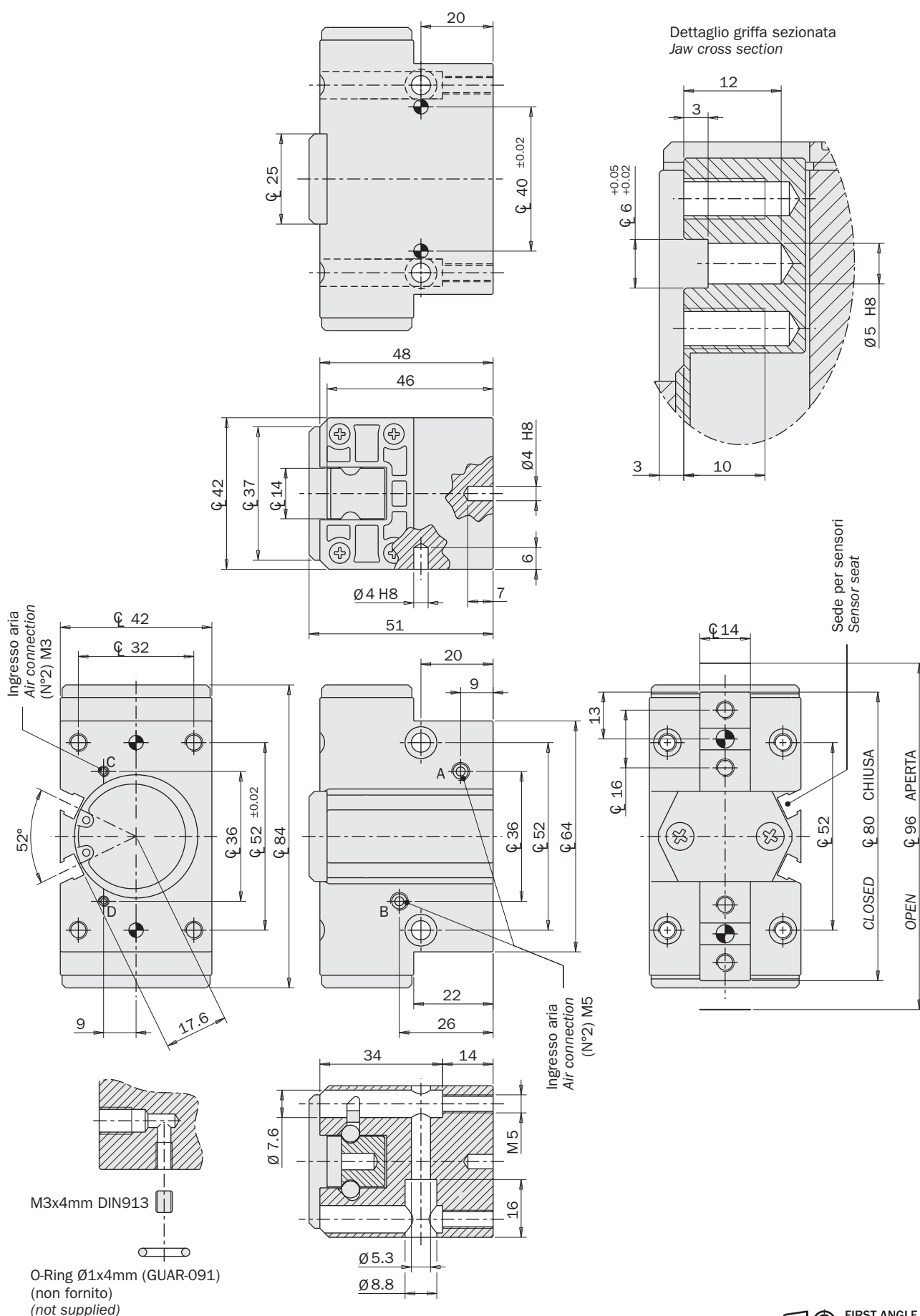
Dimensioni (mm)
Dimensions (mm)

Dettaglio griffa sezionata
Jaw cross section



Dimensioni (mm)
Dimensions (mm)

SP-32



Sensori

Il rilevamento della posizione di lavoro è affidato a uno o più sensori magnetici di prossimità (opzionali), che rilevano la posizione attraverso il magnete sul pistone.

Quindi, per un corretto funzionamento, è da evitare l'impiego in presenza di forti campi magnetici od in prossimità di grosse masse di materiale ferromagnetico.

I sensori utilizzabili sono:

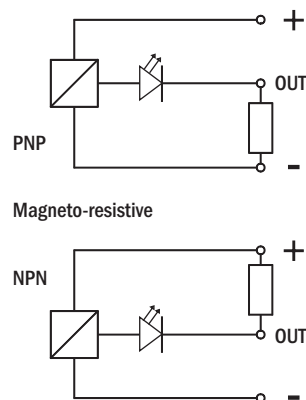


Sensors

The operating position is detected by magnetic proximity sensors (optional) through a magnet placed on the piston.

The use of magnetic proximity sensors is to be avoided in the vicinity of large masses of ferromagnetic material or intense magnetic fields as this may cause detection problems.

The sensors that can be used are:



			SP-20 U	SP-25 / SP-32 / SP-40 U
SL4N225-G	PNP	Cavo 2.5m 2.5m cable	☐	☒
SL4M225-G	NPN			
SL3N203-G	PNP	Connettore M8 M8 connector	☐	☒
SL3M203-G	NPN			
SN4N225-G	PNP	Cavo 2.5m 2.5m cable	☒	☒ (*)
SN4M225-G	NPN			
SN3N203-G	PNP	Connettore M8 M8 connector	☒	☒ (*)
SN3M203-G	NPN			
SS4N225-G	PNP	Cavo 2.5m 2.5m cable	☒	☒ (*)
SS4M225-G	NPN			
SS3N203-G	PNP	Connettore M8 M8 connector	☒	☒ (*)
SS3M203-G	NPN			

(*)

Utilizzando l'adattatore SS.004.000 fornito con il sensore.

(*)

Using the adapter SS.004.000 supplied with the sensor.

