

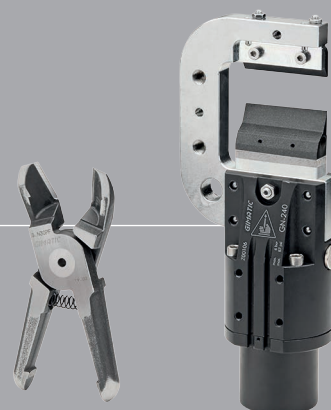
**gmat™**



A business of **BARNES**

**TAGLIERINI**

***Nippers***

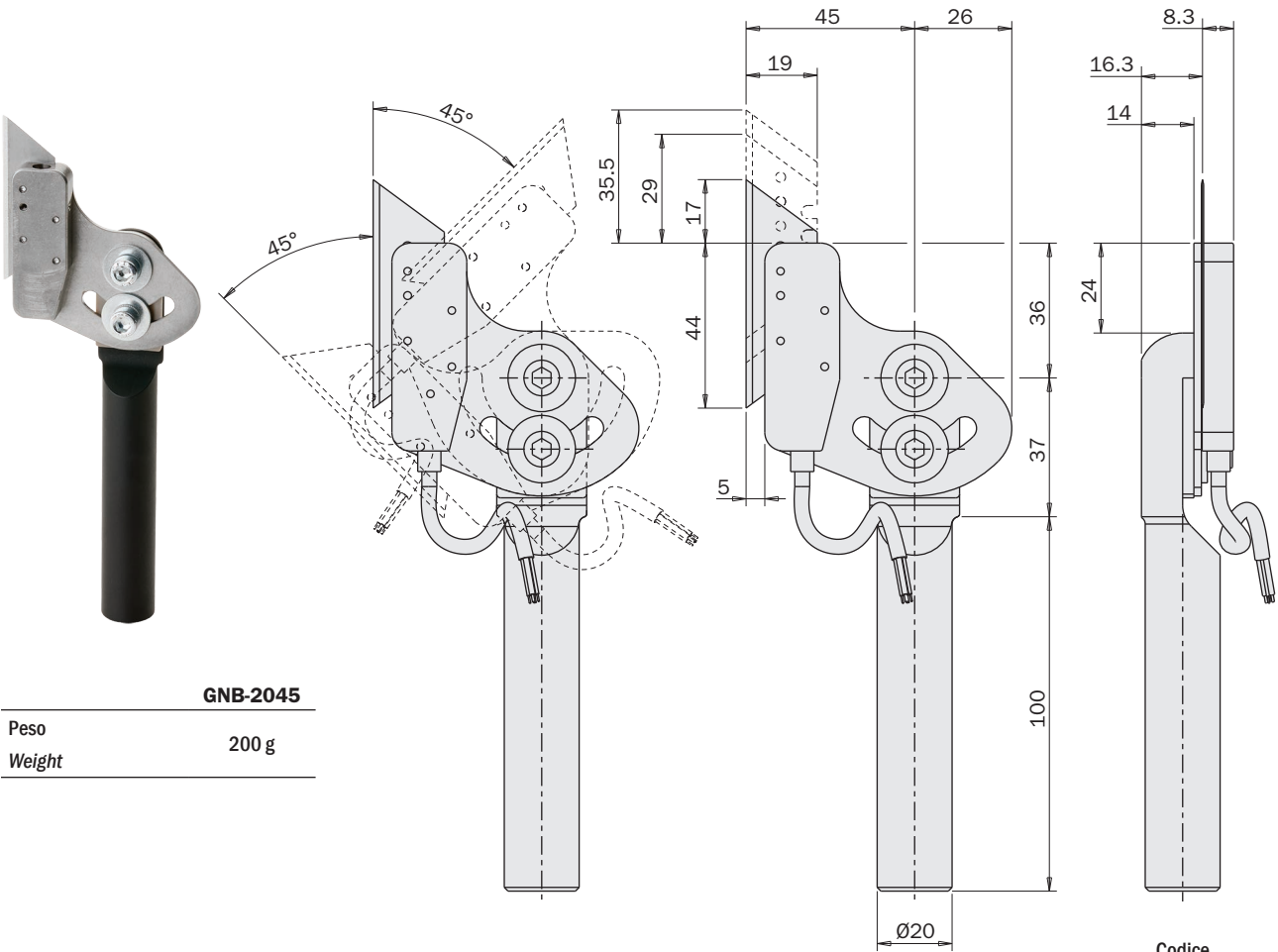


Portalama

- Adatta per taglio, smaterozzamento e sbavatura.
- Angolo continuamente regolabile da -45° a +45°.
- Sistema di riscaldamento opzionale.

Blade holder

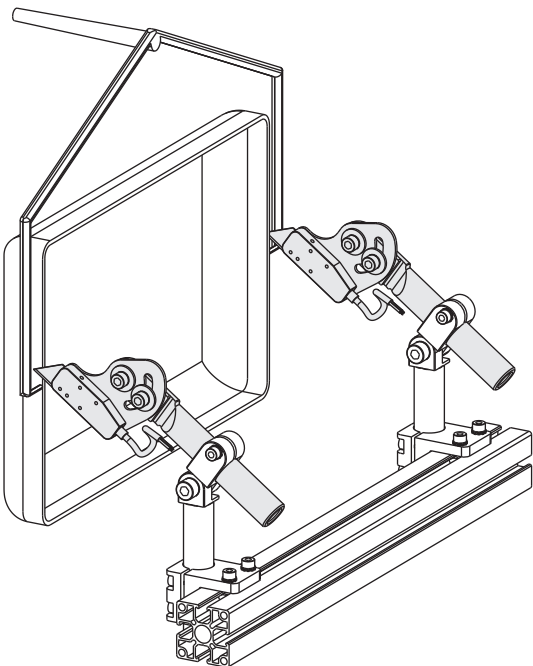
- Suitable for trimming, degating and deburring.
- Continuously adjustable angle from -45° to +45°.
- Optional heating system.



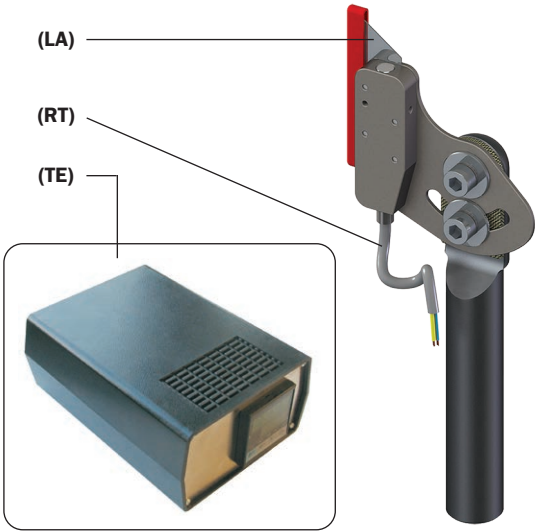
GNB-2045

|        |       |
|--------|-------|
| Peso   | 200 g |
| Weight |       |

Esempio di utilizzo  
Application example



|                                                                              |      |            |
|------------------------------------------------------------------------------|------|------------|
| Lame di ricambio (confezione da 10 pezzi)<br>Spare blade (10 pieces package) | (LA) | 376Y234-10 |
| Resistenza + termocoppia<br>Cartridge resistance + thermocouple              | (RT) | R60K-G     |
| Temperatura di esercizio<br>Temperature range                                |      | 200÷400°C  |
| Potenza<br>Power                                                             |      | 100W       |
| Termoregolatore<br>Heater control box                                        | (TE) | CH102-G    |

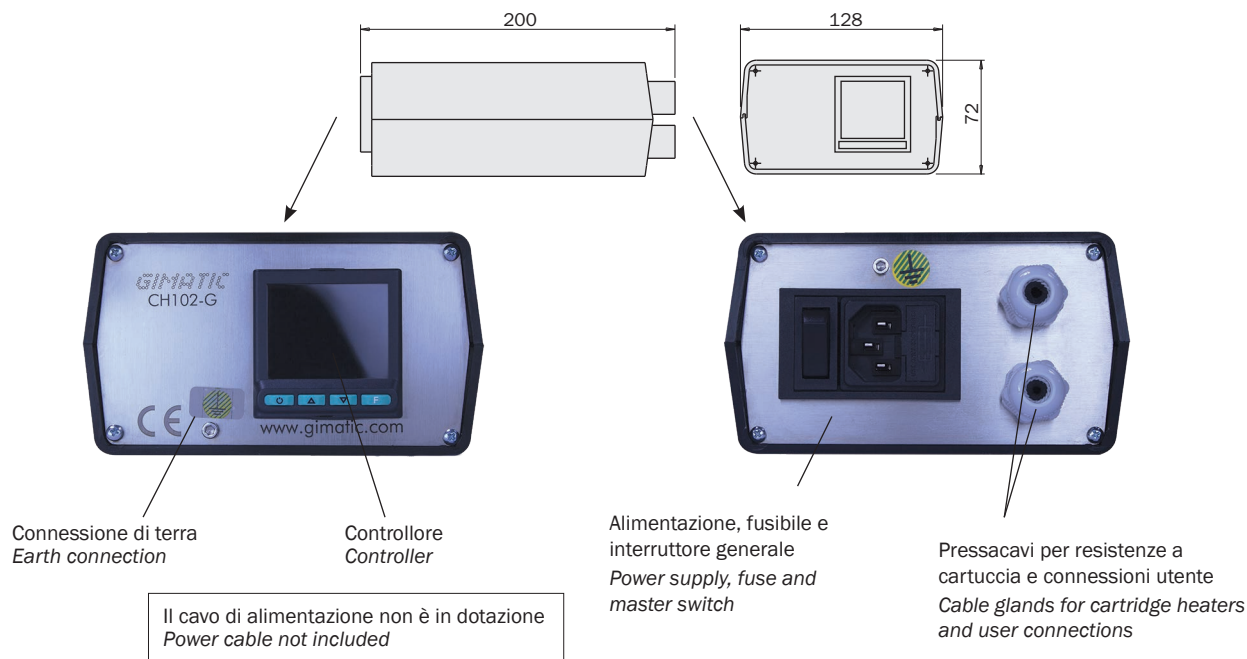


## Regolatore di temperatura

- Monitoraggio e controllo della temperatura di processo.
- Configurazione e programmazione semplificate.
- 1 uscita riscaldante e 2 uscite allarme configurabili.
- Consente il pilotaggio di molteplici resistenze a cartuccia collegate in serie.

## Temperature regulator

- Monitoring and controlling of process temperature.
- Simplified configuration and programming operations.
- 1 heating output and 2 configurable alarm outputs.
- Several cartridge resistances can be connected in series.

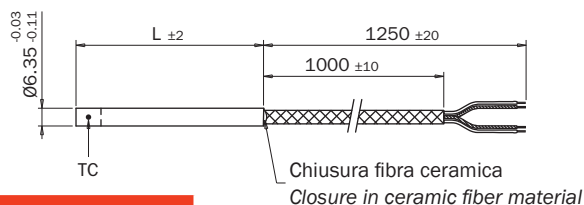


## Resistenze a cartuccia

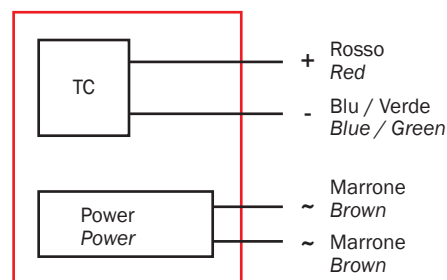
- Due tipi di potenza termica disponibili (100W - 120W).
- Termocoppia integrata tipo K.
- Diametro cartuccia 1/4".
- Chiusura della cartuccia in fibra ceramica.

## Cartridge resistances

- 2 thermal powers available (100W - 120W).
- Embedded thermocouple (TC) type K.
- Cartridge outer diameter 1/4".
- Cartridge closure in ceramic fiber material.



|                                                                    | R60K-G                                                   | R85K-G |
|--------------------------------------------------------------------|----------------------------------------------------------|--------|
| Lunghezza (L)<br>Cartridge length (L)                              | 61 mm                                                    | 86 mm  |
| Potenza<br>Power                                                   | 100 W                                                    | 120 W  |
| Tipologia TC<br>TC type                                            | K                                                        |        |
| Intervallo temperatura di utilizzo<br>Operative temperature range  | > 300 °C                                                 |        |
| Temperatura massima cartuccia<br>Cartridge maximum temperature     | 500 °C                                                   |        |
| Materiale tubo resistenza<br>Material of resistance tube           | AISI 304                                                 |        |
| Tipo guaina esterna<br>External sheath type                        | VG - vetro grezzo<br>VG - Rough Glass                    |        |
| Composizione cavi alimentazione<br>Power supply cables composition | Nichel - FibraVetro (NiVT)<br>Nickel - GlassFiber (NiVT) |        |
| Sezione cavi alimentazione<br>Power supply cables section          | 0.35 mm <sup>2</sup>                                     |        |
| Composizione cavi TC<br>TC cables composition                      | FibraVetro - Silicone<br>GlassFiber - Silicon            |        |
| Sezione cavi TC<br>TC cables section                               | 0.22 mm <sup>2</sup>                                     |        |
| Massa<br>Mass                                                      | 50 g                                                     |        |



### Avvertenze

Alimentare la resistenza a cartuccia solo se inserita nella massa da scaldare



### Warning

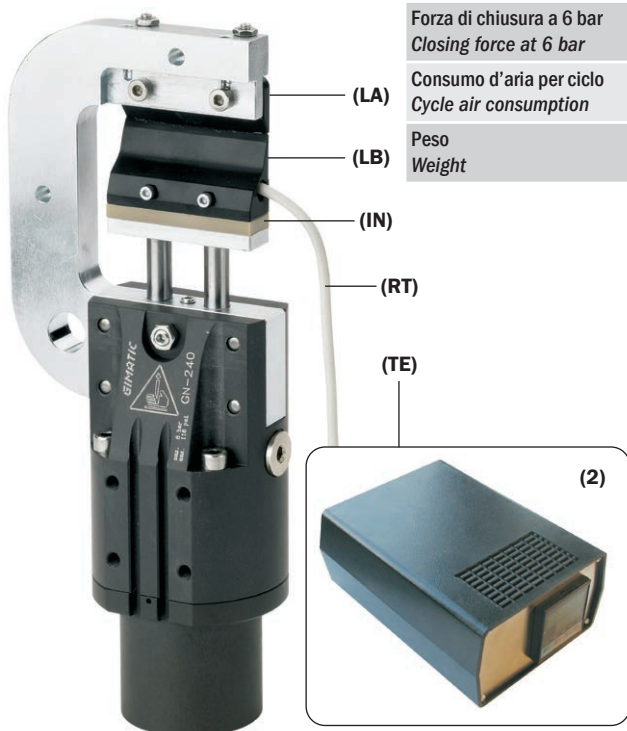
Operate the cartridge only if inserted in the mass

## Taglierini a ghigliottina

- Due taglie disponibili.
- Azionamento a doppio effetto con cilindri tandem.
- Sensori magnetici opzionali (1).
- Riscaldamento della lama opzionale (2).
- Le lame (LA e LB) e l'isolatore (IN) sono fornibili come parti di ricambio.

## Thrust Cut Nippers

- Two sizes available.
- Double-acting operation with tandem cylinders.
- Optional magnetic sensors (1).
- Optional blade heating system (2).
- The blades (LA and LB) and the insulator (IN) are available as spare parts.

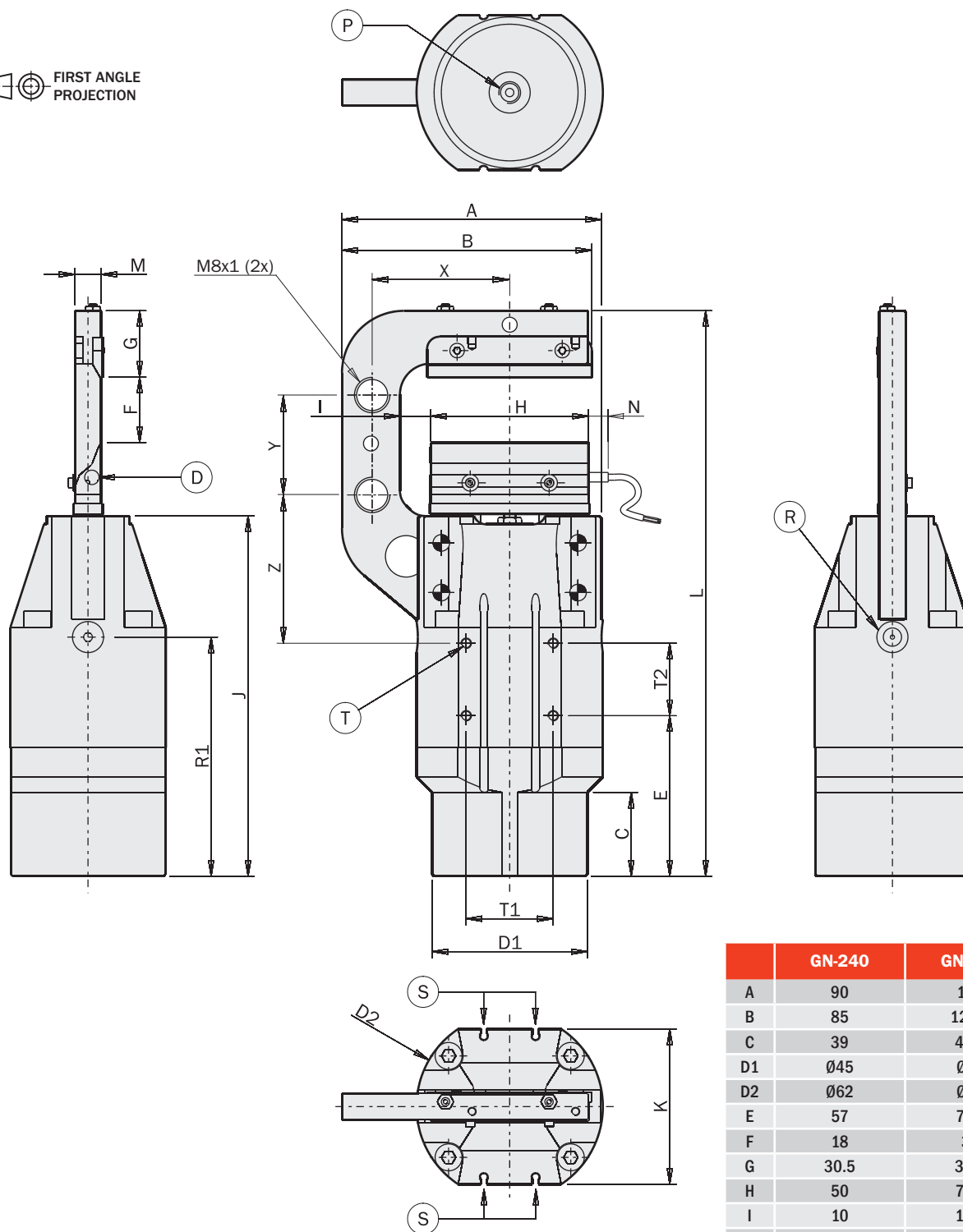


|                                                     | GN-240                                                                                                      | GN-263              |
|-----------------------------------------------------|-------------------------------------------------------------------------------------------------------------|---------------------|
| Fluido<br>Medium                                    | Aria compressa a norma ISO 8573-1:2010 [7:4:4]<br>Compressed air in compliance with ISO 8573-1:2010 [7:4:4] |                     |
| Pressione di esercizio<br>Pressure range            | 2 ÷ 6 bar                                                                                                   |                     |
| Temperatura di esercizio<br>Temperature range       | 5° ÷ 60 °C.                                                                                                 |                     |
| Alesaggio<br>Piston bore                            | Ø40 mm                                                                                                      | Ø63 mm              |
| Forza di chiusura a 6 bar<br>Closing force at 6 bar | 1470 N                                                                                                      | 3648 N              |
| Consumo d'aria per ciclo<br>Cycle air consumption   | 75 cm <sup>3</sup>                                                                                          | 291 cm <sup>3</sup> |
| Peso<br>Weight                                      | 1330 g                                                                                                      | 2900 g              |

|                                                                           |              | GN-240                   | GN-263                   |
|---------------------------------------------------------------------------|--------------|--------------------------|--------------------------|
|                                                                           |              | Codice<br>Code           | Codice<br>Code           |
| Lame di ricambio<br>Spare blade                                           | (LA)<br>(LB) | GN-340-14K<br>GN-340-13K | GN-363-14K<br>GN-363-13K |
| Isolatore di ricambio per alte temperature<br>High temperature insulation | (IN)         | GN-340-18                | GN-363-18                |
| Resistenza + termocoppia<br>Cartridge resistance + thermocouple           | (RT)         | R60K-G                   | R85K-G                   |
| Temperatura di esercizio<br>Temperature range                             |              | 200÷400°C                | 200÷400°C                |
| Potenza<br>Power                                                          |              | 100W                     | 120W                     |
| Cavo<br>Cable                                                             |              | 1.2m                     | 1.2m                     |
| Termoregolatore<br>Heater control box                                     | (TE)         | CH102-G                  | CH102-G                  |
| Tensione di alimentazione<br>Operating voltage                            |              | 100÷240Vac<br>50/60Hz    | 100÷240Vac<br>50/60Hz    |

**Dimensioni (mm)**  
**Dimensions (mm)**

FIRST ANGLE  
PROJECTION



- (P) Ingresso aria compressa: CHIUSURA  
Compressed air connection: CLOSING
- (R) Ingresso aria compressa: APERTURA  
Compressed air connection: OPENING
- (S) Sede per sensori serie SS  
Slot for SS series sensors
- (T) Foro filettato per fissaggio  
Threaded hole for fastening
- (D) Alloggiamento per sistema di riscaldamento Ø6.35  
Heating system housing Ø6.35

|    | GN-240 | GN-263   |
|----|--------|----------|
| A  | 90     | 126      |
| B  | 85     | 120.7    |
| C  | 39     | 40.5     |
| D1 | Ø45    | Ø75      |
| D2 | Ø62    | Ø90      |
| E  | 57     | 77.5     |
| F  | 18     | 30       |
| G  | 30.5   | 33.5     |
| H  | 50     | 76.2     |
| I  | 10     | 14.9     |
| J  | 134.5  | 174      |
| K  | 54     | 74.6     |
| L  | 220    | 273      |
| M  | 12.7   | 12.7     |
| N  | 11 max | 10 max   |
| P  | G1/8"  | G1/8"    |
| R  | G1/8"  | G1/8"    |
| R1 | 90.25  | 115.5    |
| T  | M5x7mm | M5x9.5mm |
| T1 | 25     | 42       |
| T2 | 25     | 35       |
| Z  | 62.75  | 66.5     |
| X  | 47.5   | 67       |
| Y  | 40     | 60       |

## Attuatori pneumatici per taglierini GNS

- Tre taglie disponibili.
- Ingombri ridotti.
- Compatibili con vari modelli di lame standard (1).
- Con o senza slitta integrata.
- La slitta è a doppio effetto con molla in chiusura o in apertura.
- Sensori magnetici opzionali.

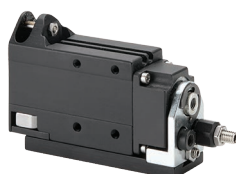
## Air nipper actuators (series GNS)

- Three sizes available.
- Small dimensions.
- Usable with several standard blades (1).
- With or without integrated slide.
- Double-acting slide, spring closed or spring open.
- Optional magnetic sensors.

(1)



GNS-05-NC  
GNS-05-NO



GNS-05



GNS-10-NC  
GNS-10-NO



GNS-10



GNS-20-NC  
GNS-20-NO



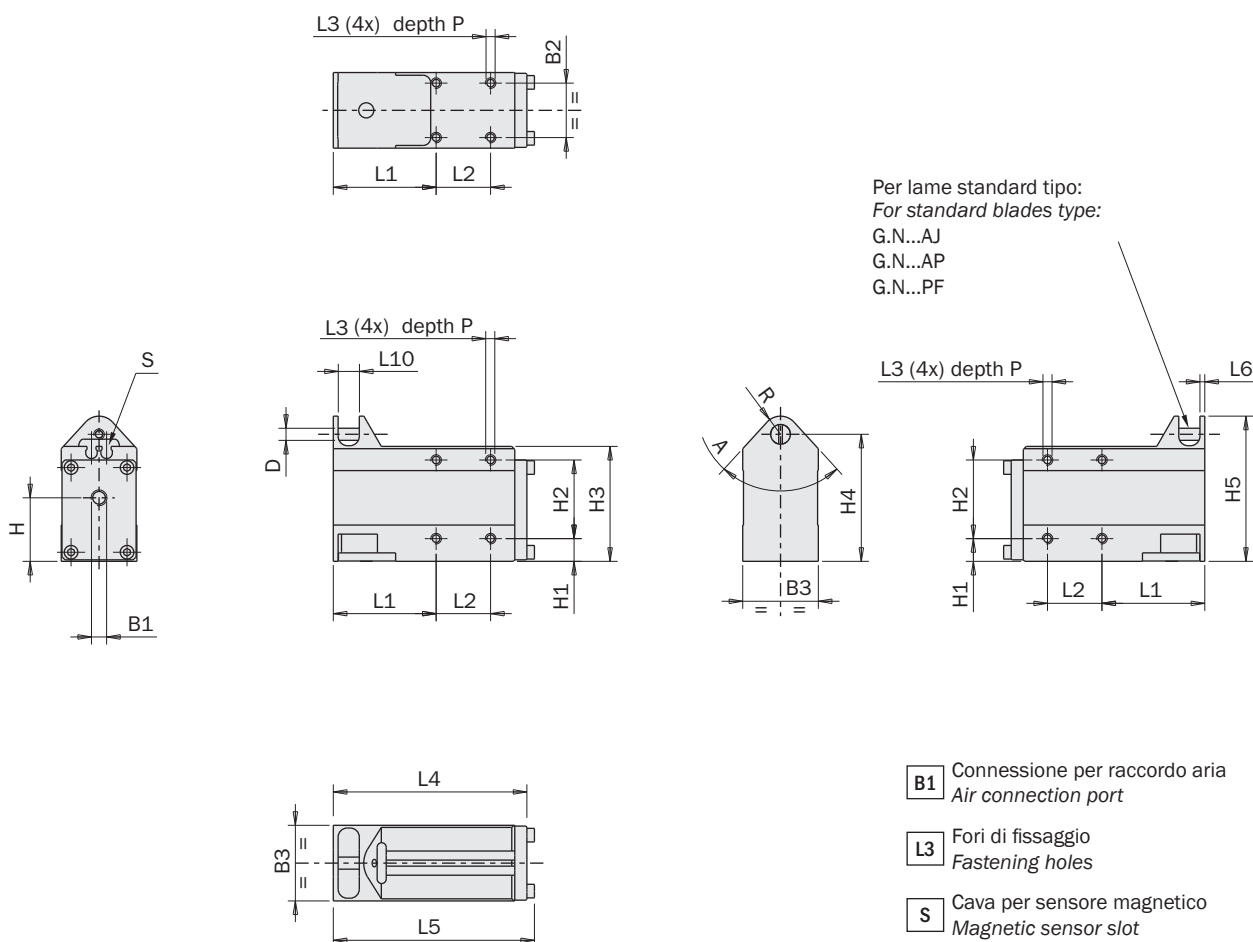
GNS-20

|                                                                                | GNS-05<br>GNS-05-NC<br>GNS-05-NO                                                                            | GNS-10<br>GNS-10-NC<br>GNS-10-NO | GNS-20<br>GNS-20-NC<br>GNS-20-NO |
|--------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|----------------------------------|----------------------------------|
| Fluido<br>Medium                                                               | Aria compressa a norma ISO 8573-1:2010 [7:4:4]<br>Compressed air in compliance with ISO 8573-1:2010 [7:4:4] |                                  |                                  |
| Pressione di esercizio<br>Pressure range                                       | 4 ÷ 8 bar                                                                                                   |                                  |                                  |
| Temperatura di esercizio<br>Temperature range                                  | 5° ÷ 60 °C                                                                                                  |                                  |                                  |
| Capacità di taglio<br>Cutting capacity                                         | Ø3 mm                                                                                                       | Ø4 mm                            | Ø6 mm                            |
| Corsa angolare delle lame<br>Blade angular stroke                              | 2x5°                                                                                                        | 2x5°                             | 2x9°                             |
| Alesaggio taglierino<br>Nipper piston bore                                     | Ø23 mm                                                                                                      | Ø30 mm                           | Ø42 mm                           |
| Coppia di chiusura per ogni lama a 6 bar<br>Closing torque at 6 bar each blade | 14 Nm                                                                                                       | 34 Nm                            | 42 Nm                            |
| Coppia di chiusura totale a 6 bar<br>Total closing torque at 6 bar             | 28 Nm                                                                                                       | 68 Nm                            | 84 Nm                            |
| Consumo d'aria per ciclo<br>Cycle air consumption                              | 6 cm <sup>3</sup>                                                                                           | 14 cm <sup>3</sup>               | 30cm <sup>3</sup>                |
| Peso senza lame<br>Weight without blade                                        | 112 g<br>180 g<br>175 g                                                                                     | 355 g<br>570 g<br>570 g          | 480 g<br>780 g<br>780 g          |

**Dimensioni (mm)**  
**Dimensions (mm)**

|        | A    | B1   | B2 | B3 | H  | H1  | H2 | H3 | H4 | H5 | D  | L1 | L2 | L3 | L4 |
|--------|------|------|----|----|----|-----|----|----|----|----|----|----|----|----|----|
| GNS-05 | 85°  | M5   | 18 | 25 | 21 | 7.5 | 26 | 38 | 42 | 48 | Ø4 | 34 | 18 | M3 | 64 |
| GNS-10 | 93°  | M5   | 32 | 39 | 32 | 17  | 32 | 53 | 57 | 67 | Ø4 | 45 | 24 | M4 | 84 |
| GNS-20 | 115° | G1/8 | 40 | 48 | 36 | 15  | 40 | 62 | 63 | 73 | Ø4 | 49 | 30 | M5 | 90 |

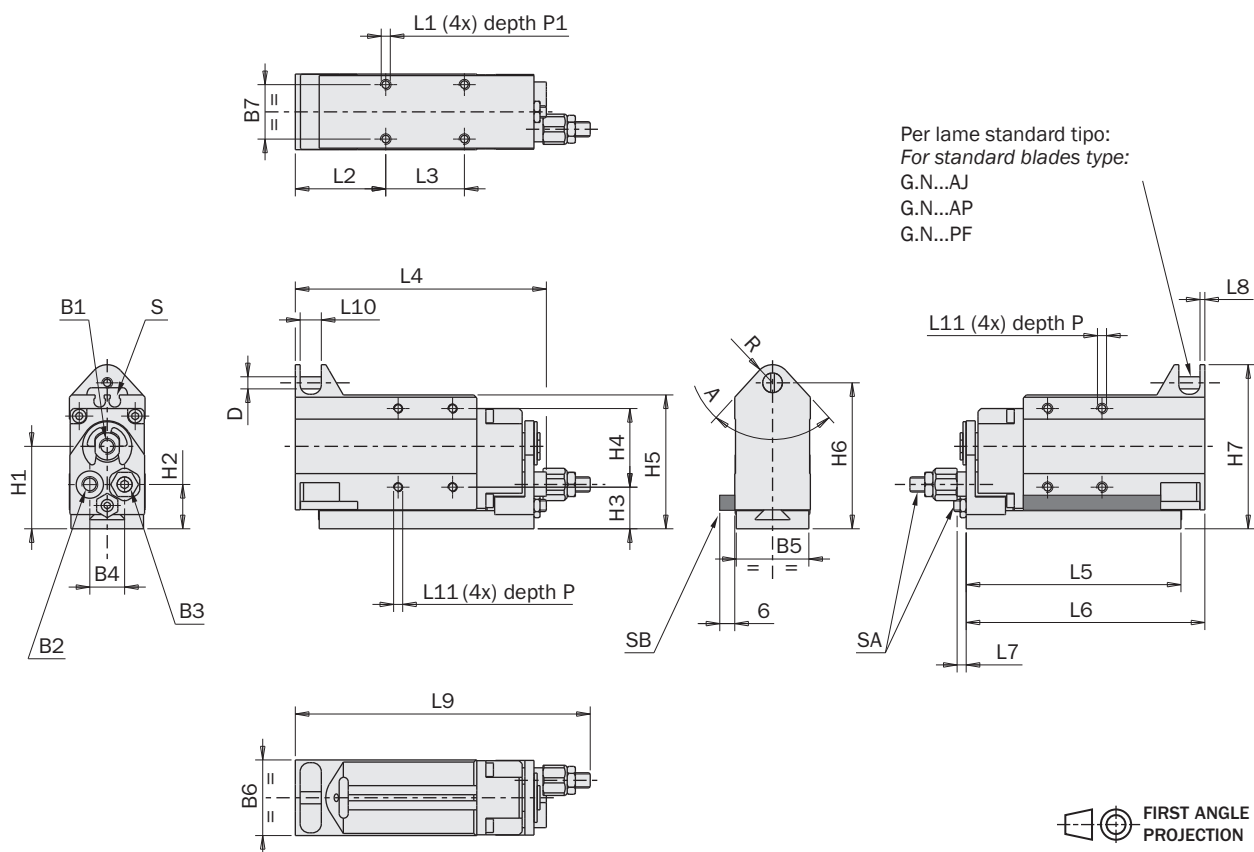
|        | L5   | L6  | L10 | P | R  |
|--------|------|-----|-----|---|----|
| GNS-05 | 66.5 | 1.6 | 7   | 7 | 6  |
| GNS-10 | 88   | 2   | 12  | 9 | 10 |
| GNS-20 | 94   | 2   | 12  | 9 | 10 |



**Dimensioni (mm)**  
**Dimensions (mm)**

|           | A    | B1 | B2   | B3 | B4   | B5 | B6 | B7 | D  | H1    | H2    | H3    | H4 | H5    | H6    |
|-----------|------|----|------|----|------|----|----|----|----|-------|-------|-------|----|-------|-------|
| GNS-05-NC | 85°  | M5 | M5   | M5 | 11.5 | 24 | 25 | 18 | Ø4 | 27.25 | 14.65 | 13.75 | 26 | 44.25 | 48.25 |
| GNS-10-NC | 93°  | M5 | M5   | M5 | 13   | 38 | 39 | 24 | Ø4 | 40.3  | 20.8  | 25.3  | 32 | 61.3  | 65.3  |
| GNS-20-NC | 115° | M5 | G1/8 | M5 | 20.6 | 47 | 48 | 30 | Ø4 | 44.3  | 22.8  | 24.3  | 30 | 70.3  | 71.4  |

|           | H7    | L1 | L2    | L3 | L4  | L5  | L6   | L7 | L8  | L9   | L10 | L11 | P | P1 | R  |
|-----------|-------|----|-------|----|-----|-----|------|----|-----|------|-----|-----|---|----|----|
| GNS-05-NC | 54.25 | M3 | 29.9  | 26 | 83  | 71  | 78.9 | 3  | 1.6 | 97.5 | 7   | M3  | 7 | 6  | 6  |
| GNS-10-NC | 75.3  | M4 | 36.05 | 32 | 108 | 90  | 103  | 4  | 2   | 122  | 12  | M4  | 9 | 8  | 10 |
| GNS-20-NC | 81.3  | M5 | 45    | 40 | 121 | 102 | 115  | 5  | 2   | 135  | 12  | M5  | 9 | 8  | 10 |



**B1** Connessione per apertura slitta  
 Slide opening port

**B2** Connessione per chiusura lame  
 Blades closing port

**B3** Connessione per chiusura slitta  
 Slide closing port

**L1** Fori di fissaggio  
 Fastening holes

**L7** Corsa massima slitta  
 Maximum slide stroke

**S** Cava per sensore magnetico  
 Magnetic sensor slot

**SA** Regolazione corsa slitta  
 Slide stroke adjustment

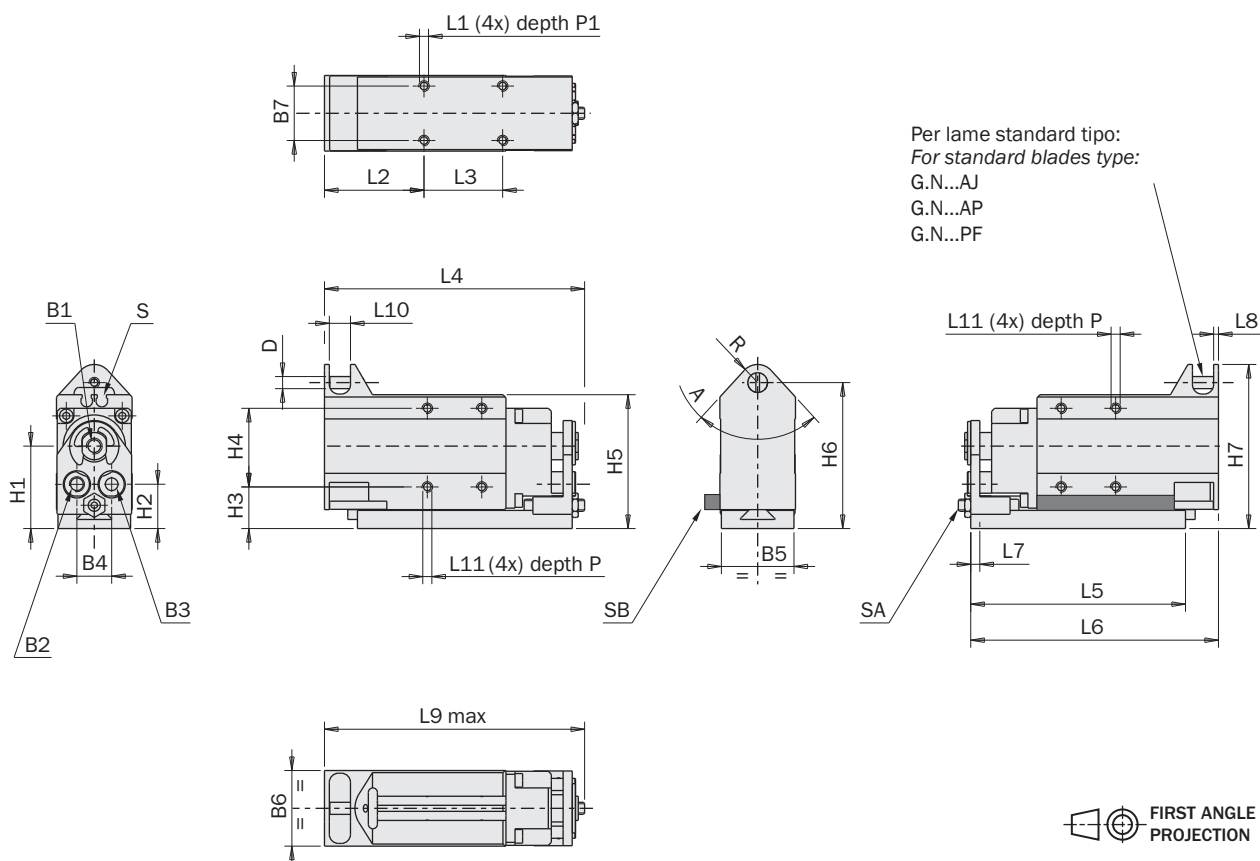
**SB** Sensore slitta  
 Slide sensor

|                                                                               | GNS-05-NC | GNS-10-NC | GNS-20-NC |
|-------------------------------------------------------------------------------|-----------|-----------|-----------|
| Corsa slitta<br>Slide stroke                                                  | 3 mm      | 4 mm      | 5 mm      |
| Alesaggio slitta<br>Slide bore                                                | 18 mm     | 20 mm     | 25 mm     |
| Forza di chiusura a 6 bar sulla slitta<br>Closing force at 6 bar on the slide | 140 N     | 185 N     | 290 N     |
| Forza di apertura a 6 bar sulla slitta<br>Opening force at 6 bar on the slide | 115 N     | 130 N     | 240 N     |
| Forza di chiusura a 0 bar sulla slitta<br>Closing force at 0 bar on the slide | 30 N      | 50 N      | 50 N      |
| Forza di apertura a 0 bar sulla slitta<br>Opening force at 0 bar on the slide | 0 N       | 0 N       | 0 N       |

**Dimensioni (mm)**  
**Dimensions (mm)**

|           | A    | B1 | B2   | B3 | B4   | B5 | B6 | B7 | D  | H1    | H2    | H3    | H4 | H5    | H6    |
|-----------|------|----|------|----|------|----|----|----|----|-------|-------|-------|----|-------|-------|
| GNS-05-NO | 85°  | M5 | M5   | M5 | 11.5 | 24 | 25 | 18 | Ø4 | 27.25 | 14.65 | 13.75 | 26 | 44.25 | 48.25 |
| GNS-10-NO | 93°  | M5 | M5   | M5 | 13   | 38 | 39 | 24 | Ø4 | 40.3  | 20.8  | 25.3  | 32 | 61.3  | 65.3  |
| GNS-20-NO | 115° | M5 | G1/8 | M5 | 20.6 | 47 | 48 | 30 | Ø4 | 44.3  | 22.8  | 24.3  | 30 | 70.3  | 71.4  |

|           | H7    | L1 | L2    | L3 | L4  | L5  | L6   | L7 | L8  | L9  | L10 | L11 | P | P1 | R  |
|-----------|-------|----|-------|----|-----|-----|------|----|-----|-----|-----|-----|---|----|----|
| GNS-05-NO | 54.25 | M3 | 29.9  | 26 | 83  | 71  | 81.9 | 3  | 1.6 | 86  | 7   | M3  | 7 | 6  | 6  |
| GNS-10-NO | 75.3  | M4 | 36.05 | 32 | 108 | 90  | 107  | 4  | 2   | 117 | 12  | M4  | 9 | 8  | 10 |
| GNS-20-NO | 81.3  | M5 | 49    | 40 | 121 | 102 | 120  | 5  | 2   | 129 | 12  | M5  | 9 | 8  | 10 |



**B1** Connessione per apertura slitta  
 Slide opening port

**B2** Connessione per chiusura lame  
 Blades closing port

**B3** Connessione per chiusura slitta  
 Slide closing port

**L1** Fori di fissaggio  
 Fastening holes

**L7** Corsa massima slitta  
 Maximum slide stroke

**S** Cava per sensore magnetico  
 Magnetic sensor slot

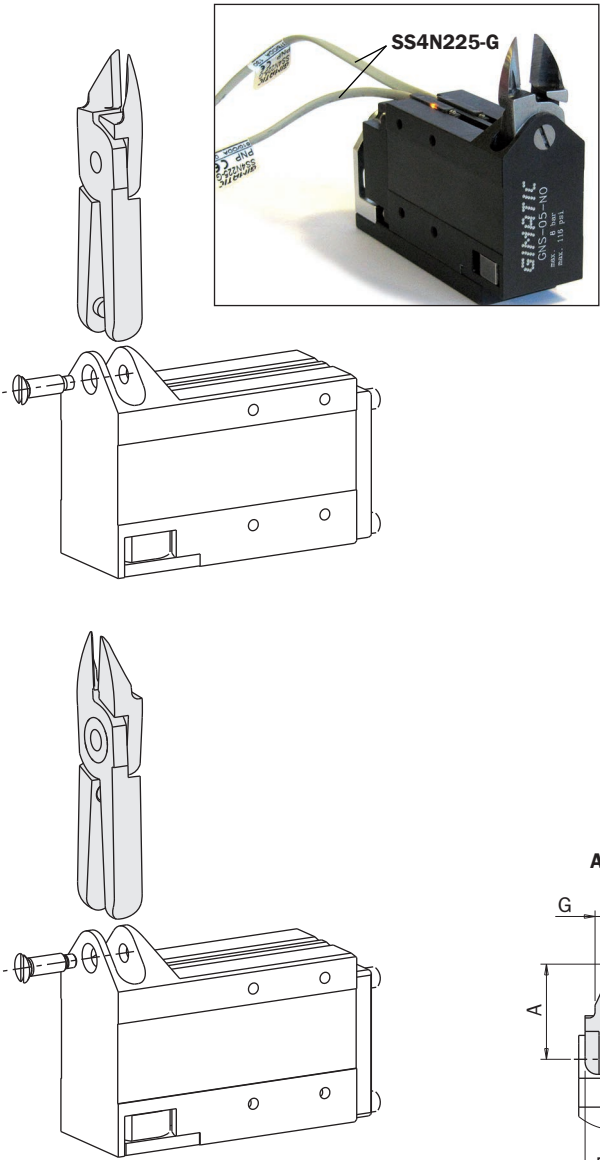
**SA** Regolazione corsa slitta  
 Slide stroke adjustment

**SB** Sensore slitta  
 Slide sensor

|                                                                               | GNS-05-NO | GNS-10-NO | GNS-20-NO |
|-------------------------------------------------------------------------------|-----------|-----------|-----------|
| Corsa slitta<br>Slide stroke                                                  | 3 mm      | 4 mm      | 5 mm      |
| Alesaggio slitta<br>Slide bore                                                | 18 mm     | 20 mm     | 25 mm     |
| Forza di chiusura a 6 bar sulla slitta<br>Closing force at 6 bar on the slide | 75 N      | 85 N      | 180 N     |
| Forza di apertura a 6 bar sulla slitta<br>Opening force at 6 bar on the slide | 180 N     | 230 N     | 345 N     |
| Forza di chiusura a 0 bar sulla slitta<br>Closing force at 0 bar on the slide | 0 N       | 0 N       | 0 N       |
| Forza di apertura a 0 bar sulla slitta<br>Opening force at 0 bar on the slide | 35 N      | 50 N      | 60 N      |

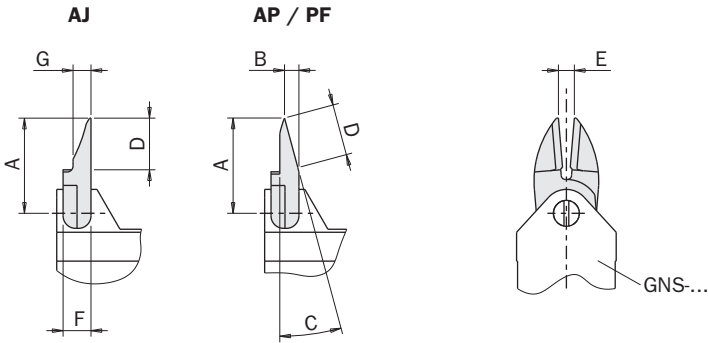
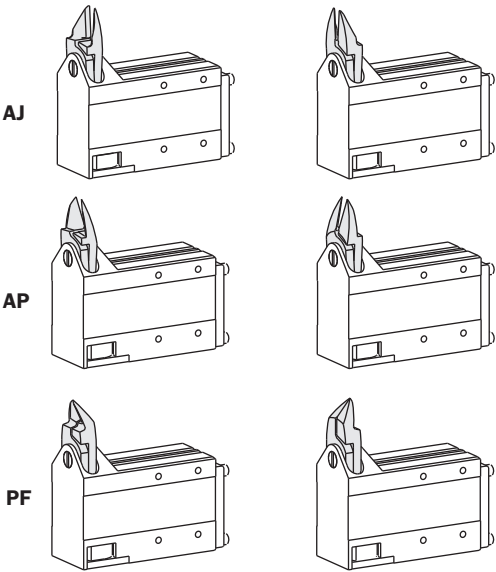
Lame

Le lame possono essere montate in entrambi i sensi.



Blades

The blades can be mounted on either side.

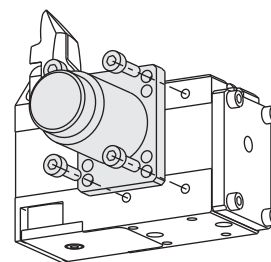
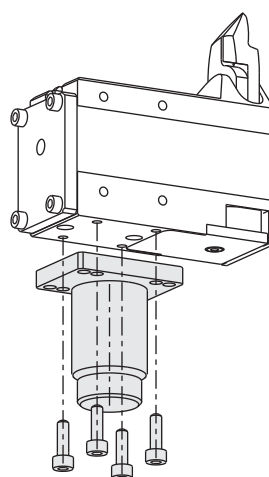
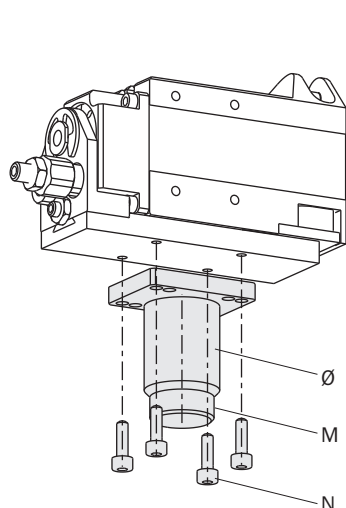


| Lame<br>Blades | Taglierino<br>Nipper | Tipo di lama<br>Blade style        | A    | B   | C   | D    | E    | F  | G   | Peso<br>Weight |
|----------------|----------------------|------------------------------------|------|-----|-----|------|------|----|-----|----------------|
| G.N5AJ         | GNS-05-...           | dritta<br>inline                   | 24   | -   | -   | 13   | 5    | 7  | 4.5 | 33 g           |
| G.N5AP         | GNS-05-...           | standard                           | 24   | 3.6 | 15° | 11.5 | 4    | 7  | -   | 34 g           |
| G.N5PF         | GNS-05-...           | profonda<br>deep angle             | 24   | 7   | 40° | 9.7  | 4    | 7  | -   | 35 g           |
| G.N10LAJ       | GNS-10-...           | dritta lunga<br>long inline        | 35   | -   | -   | 18   | 6.5  | 12 | 8   | 117 g          |
| G.N10LAP       | GNS-10-...           | standard lunga<br>long, standard   | 36   | 5.3 | 15° | 16   | 6    | 12 | -   | 115 g          |
| G.N10LPF       | GNS-10-...           | profonda lunga<br>long, deep angle | 35   | 12  | 40° | 13.5 | 5.5  | 12 | -   | 112 g          |
| G.N20AJ        | GNS-20-...           | dritta<br>inline                   | 34.5 | -   | -   | 18   | 11.5 | 12 | 8   | 121 g          |
| G.N20AP        | GNS-20-...           | standard                           | 35   | 3.5 | 15° | 16   | 11   | 12 | -   | 120 g          |
| G.N20PF        | GNS-20-...           | profonda<br>deep angle             | 35   | 12  | 40° | 13.5 | 11   | 12 | -   | 124 g          |
| G.N20AJL       | GNS-20-...           | dritta lunga<br>long inline        | 65   | -   | -   | 20   | 16   | 12 | 7.2 | 220 g          |

## Codolo di montaggio

## Assembly bracket

|          | GNS-05<br>GNS-05-NC<br>GNS-05-NO | GNS-10<br>GNS-10-NC<br>GNS-10-NO | GNS-20<br>GNS-20-NC<br>GNS-20-NO | Ø   | M     | N  |
|----------|----------------------------------|----------------------------------|----------------------------------|-----|-------|----|
| MFM-A107 | ☑                                |                                  |                                  | Ø20 | M17x1 | M3 |
| MFM-A108 |                                  | ☑                                |                                  | Ø20 | M17x1 | M4 |
| MFM-A109 |                                  |                                  | ☑                                | Ø30 | M27x1 | M5 |

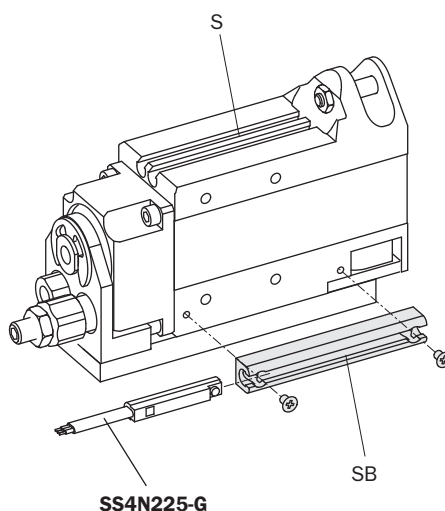


## Sensore slitta

Le due cave sensore integrate nel corpo (S) servono per il rilevamento della posizione della lama (aperta e chiusa). Una cava addizionale (SB) si può montare esternamente, per rilevare la posizione della slitta (aperta o chiusa), quando necessario. È fornita nella confezione.

## Slide sensor

Two sensor slots (S) are machined in the housing, for the detection of the blade position (open and closed). One additional sensor slot (SB) can be mounted externally, to detect the slide position (open or closed), when necessary. It is supplied in the packaging.



## Attuatori pneumatici per taglierini serie GN

- Cinque taglie disponibili.
- Azionamento a semplice effetto.
- Autocentrante.
- Compatibili con vari modelli di lame.
- Pistoni magnetici e predisposizione per sensori (solo GN-...S).
- Sensori magnetici opzionali.

## Air nipper actuators series GN

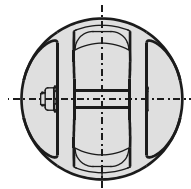
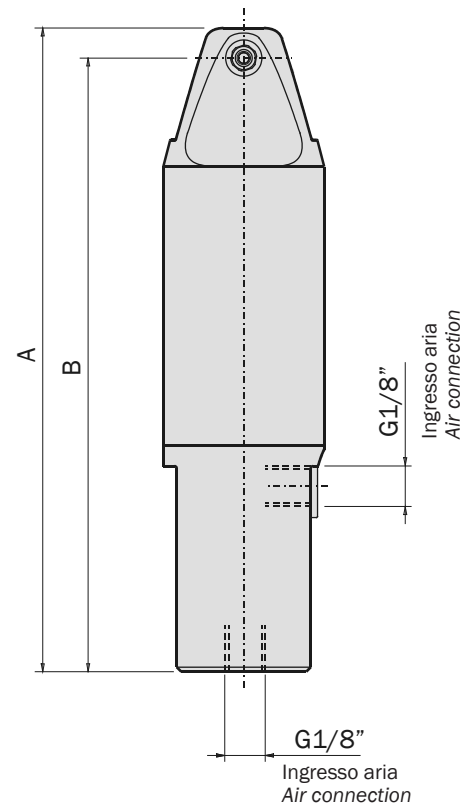
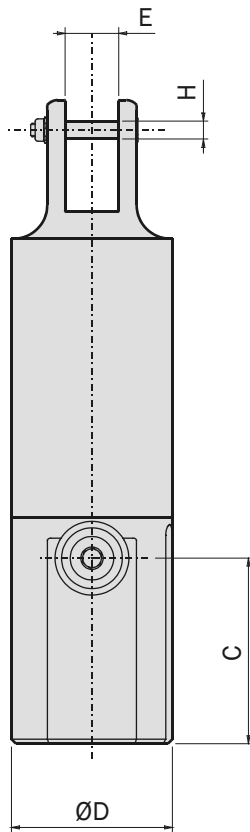
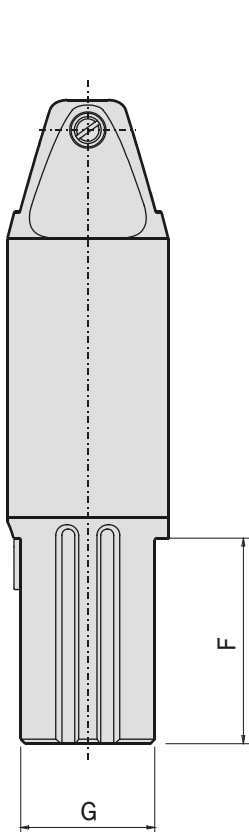
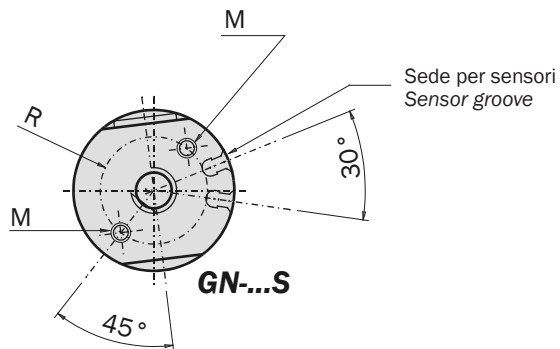
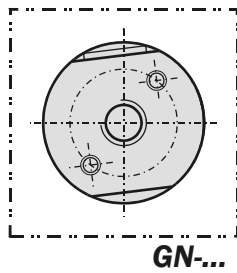
- Five sizes available.
- Single-acting.
- Self-centering.
- Usable with several standard blades.
- Magnetic pistons for sensor detection (GN-...S only).
- Optional magnetic sensors.



|                                                                                       |                   | GN-05<br>GN-05S                                                                                                    | GN-10<br>GN-10S | GN-20<br>GN-20S | GN-30<br>GN-30S | GN-50<br>GN-50S  |
|---------------------------------------------------------------------------------------|-------------------|--------------------------------------------------------------------------------------------------------------------|-----------------|-----------------|-----------------|------------------|
| Fluido<br><i>Medium</i>                                                               |                   | Aria compressa a norma ISO 8573-1:2010 [7:4:4]<br><i>Compressed air in compliance with ISO 8573-1:2010 [7:4:4]</i> |                 |                 |                 |                  |
| Pressione di esercizio<br><i>Pressure range</i>                                       |                   | 2 ÷ 8 bar                                                                                                          |                 |                 |                 |                  |
| Temperatura di esercizio<br><i>Temperature range</i>                                  |                   | 5° ÷ 60 °C                                                                                                         |                 |                 |                 |                  |
| Capacità di taglio<br><i>Cutting capacity</i>                                         |                   | Ø2 mm                                                                                                              | Ø4 mm           | Ø7 mm           | Ø10 mm          | Ø12 mm           |
| Corsa<br><i>Stroke</i>                                                                |                   | 2x7°                                                                                                               | 2x5°            | 2x7°            | 2x7.5°          | 2x12°            |
| Alesaggio<br><i>Piston bore</i>                                                       |                   | Ø25 mm                                                                                                             | Ø30 mm          | Ø40 mm          | Ø50 mm          | Ø63 mm           |
| Coppia di chiusura per ogni lama a 6 bar<br><i>Closing torque at 6 bar each blade</i> |                   | 11 Nm                                                                                                              | 38 Nm           | 67 Nm           | 150 Nm          | 116 Nm           |
| Coppia di chiusura totale a 6 bar<br><i>Total closing torque at 6 bar</i>             |                   | 22 Nm                                                                                                              | 76 Nm           | 134 Nm          | 300 Nm          | 232 Nm           |
| Consumo d'aria per ciclo<br><i>Cycle air consumption</i>                              |                   | 14 cm³                                                                                                             | 25 cm³          | 78 cm³          | 170 cm³         | 269 cm³          |
| Peso senza lame<br><i>Weight without blade</i>                                        | GN-...<br>GN-...S | 102 g<br>125 g                                                                                                     | 157 g<br>208 g  | 263 g<br>370 g  | 480 g<br>715 g  | 1100 g<br>1440 g |

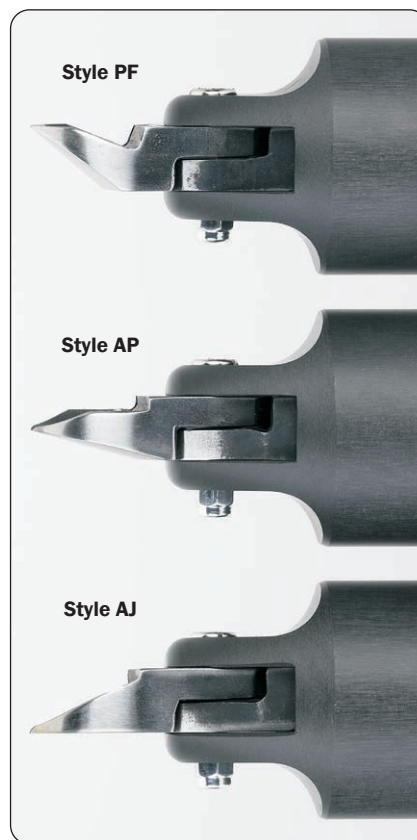
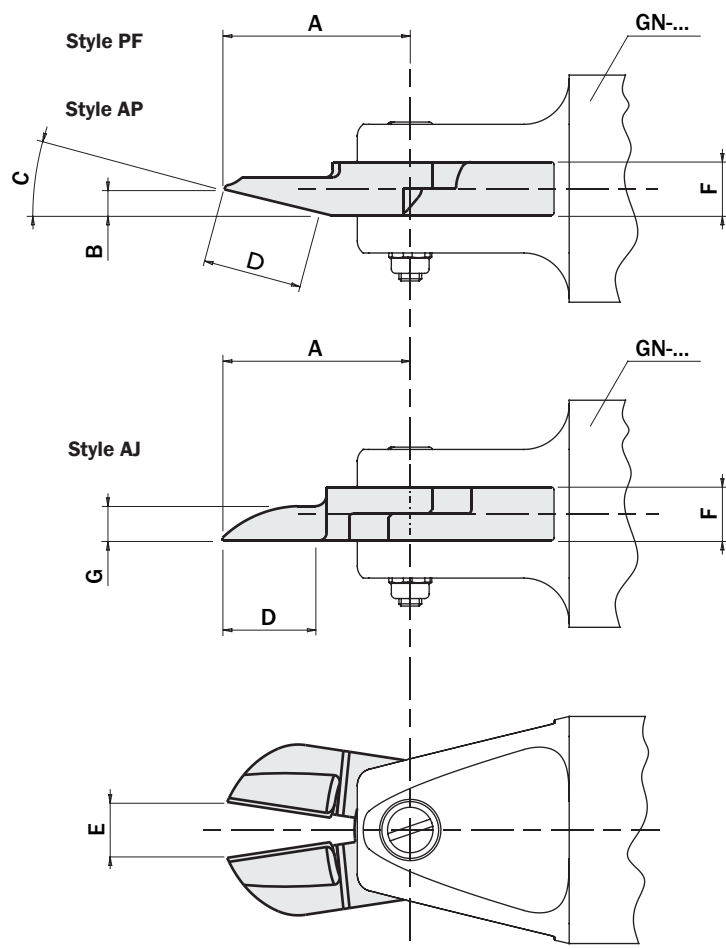
**Dimensioni (mm)**  
**Dimensions (mm)**

|        | A   | B     | C    | D   | E  | F  | G  | H  | M      | R    |
|--------|-----|-------|------|-----|----|----|----|----|--------|------|
| GN-05  | 94  | 87    | 10.5 | Ø30 | 7  | 15 | 24 | Ø4 | M4x6.5 | R 10 |
| GN-05S | 118 | 111   | 34.5 | Ø30 | 7  | 40 | 24 | Ø4 | M4x6.5 | R 10 |
| GN-10  | 113 | 106.3 | 10.5 | Ø36 | 12 | 15 | 30 | Ø4 | M4x7   | R 12 |
| GN-10S | 144 | 137.3 | 41.5 | Ø36 | 12 | 46 | 30 | Ø4 | M4x7   | R 12 |
| GN-20  | 129 | 119.8 | 10.5 | Ø45 | 12 | 15 | 36 | Ø4 | M5x8   | R 15 |
| GN-20S | 177 | 167.8 | 58.5 | Ø45 | 12 | 63 | 36 | Ø4 | M5x8   | R 15 |
| GN-30  | 165 | 155   | 10.5 | Ø56 | 17 | 15 | 46 | Ø5 | M6x12  | R 20 |
| GN-30S | 230 | 220   | 75   | Ø56 | 17 | 80 | 46 | Ø5 | M6x12  | R 20 |
| GN-50  | 178 | 169   | 10.5 | Ø75 | 17 | 15 | 70 | Ø5 | M6x12  | R 25 |
| GN-50S | 238 | 229   | 70   | Ø75 | 17 | 75 | 70 | Ø5 | M6x12  | R 25 |



## Lame standard

## Standard blades

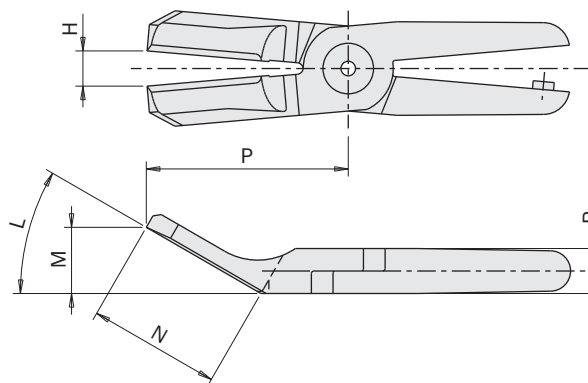


| Lame<br>Blades | Taglierino<br>Nipper | Tipo di lama<br>Blade style        | A    | B   | C   | D    | E          | F  | G   | Peso<br>Weight |
|----------------|----------------------|------------------------------------|------|-----|-----|------|------------|----|-----|----------------|
| G.N5AJ         | GN-05...             | dritta<br>inline                   | 24   | -   | -   | 13   | 4          | 7  | 4.5 | 33 g           |
| G.N5AP         | GN-05...             | standard<br>standard               | 24   | 3.6 | 15° | 11.5 | 4          | 7  | -   | 34 g           |
| G.N5PF         | GN-05...             | profonda<br>deep angle             | 24   | 7   | 40° | 9.7  | 4          | 7  | -   | 35 g           |
| G.N10LAJ       | GN-10...             | dritta lunga<br>long inline        | 35   | -   | -   | 18   | 6          | 12 | 8   | 117 g          |
| G.N10LAP       | GN-10...             | standard lunga<br>long, standard   | 36   | 5.3 | 15° | 16   | 6          | 12 | -   | 115 g          |
| G.N10LPF       | GN-10...             | profonda lunga<br>long, deep angle | 35   | 12  | 40° | 13.5 | 6          | 12 | -   | 112 g          |
| G.N20AJ        | GN-20...             | dritta<br>inline                   | 34.5 | -   | -   | 18   | 12         | 12 | 8   | 121 g          |
| G.N20AP        | GN-20...             | standard<br>standard               | 35   | 3.5 | 15° | 16   | 11.5       | 12 | -   | 120 g          |
| G.N20PF        | GN-20...             | profonda<br>deep angle             | 35   | 12  | 40° | 13.5 | 11.5       | 12 | -   | 124 g          |
| G.N20AJL       | GN-20...             | dritta lunga<br>long inline        | 65   | -   | -   | 20   | 15         | 12 | 7.2 | 220 g          |
| G.N30AJ        | GN-30...<br>GN-50... | dritta<br>inline                   | 52   | -   | -   | 30   | 12<br>22   | 17 | 8   | 365 g          |
| G.N30AP        | GN-30...<br>GN-50... | standard<br>standard               | 67   | 11  | 15° | 38   | 18<br>30   | 17 | -   | 380 g          |
| G.N30PF        | GN-30...<br>GN-50... | profonda<br>deep angle             | 58   | 17  | 30° | 27   | 16<br>26.5 | 17 | -   | 388 g          |

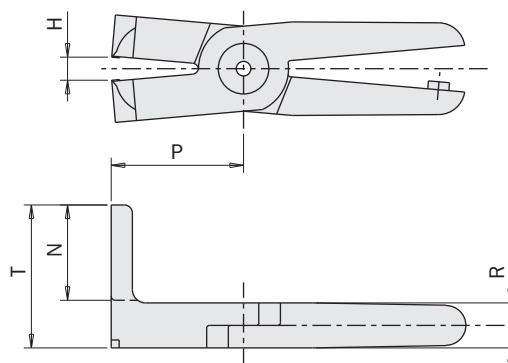
## Lame speciali

## Special blades

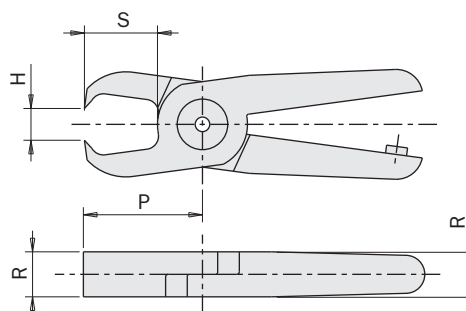
Style AA



Style AL



Style AE



| Lame<br>Blades | Taglierino<br>Nipper | Tipo di lama<br>Blade style | H        | L   | M    | N  | P    | R  | S    | T  | Peso<br>Weight |
|----------------|----------------------|-----------------------------|----------|-----|------|----|------|----|------|----|----------------|
| G.N10LAB152    | GN-10...             | AA                          | 10       | 15° | 9    | 35 | 60.5 | 12 | -    | -  | 165 g          |
| G.N20AB360     | GN-20...             | AA                          | 15       | 15° | 9    | 35 | 60.5 | 12 | -    | -  | 185 g          |
| G.N30AA114     | GN-30...<br>GN-50... | AA                          | 20<br>34 | 30° | 25   | 50 | 76   | 17 | -    | -  | 385 g          |
| G.N30AA        | GN-30...<br>GN-50... | AA                          | 15<br>26 | 60° | 27.7 | 32 | 55   | 17 | -    | -  | 390 g          |
| G.N20ALLLL     | GN-20...             | AL                          | 11       | -   | -    | 18 | 40   | 12 | -    | 30 | 190 g          |
| G.N30FAL       | GN-30...<br>GN-50... | AL                          | 14<br>24 | -   | -    | 35 | 50   | 17 | -    | 54 | 455 g          |
| G.N10LAE269    | GN-10...             | AE                          | 5        | -   | -    | -  | 28   | 12 | 15.5 | -  | 120 g          |
| G.N20AE        | GN-20...             | AE                          | 8.5      | -   | -    | -  | 28   | 12 | 15.5 | -  | 135 g          |
| G.N30AE        | GN-30...<br>GN-50... | AE                          | 12<br>20 | -   | -    | -  | 45   | 17 | 28   | -  | 395 g          |

Chiedere al fabbricante se è richiesto un tipo di lama diverso.

Consult manufacturer if a different kind of blade is needed.

## Coperchi di protezione per le lame

La maggior parte delle lame, quando non usate, possono essere protette con dei coperchi per evitare ferite. I coperchi sono forniti con le lame o in confezioni da 10 pezzi (\*). Quando rimossi dalle lame, i coperchi possono essere immagazzinati per mezzo del loro dado o di una catenella.

## Blade protection covers

Most blades, when not in use, can be protected with covers to prevent injury. Covers are supplied with blades or in packs of 10 pieces (\*). When removed from the blades, the covers can be stored by means of their nut or chain.

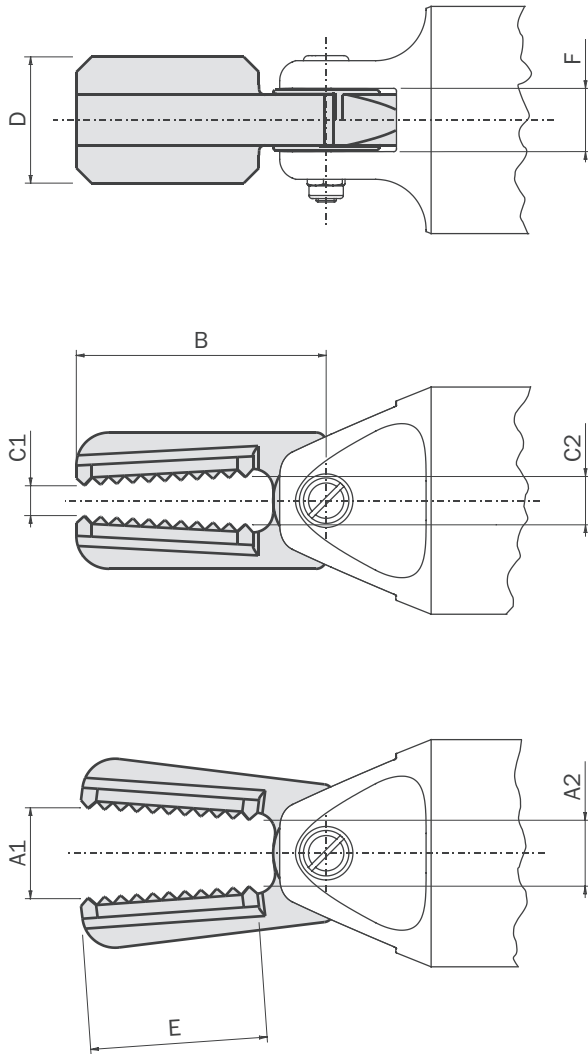


|                | COJ05-P10 (*) | COJ12-P10 (*) | COJ30-P10 (*) |
|----------------|---------------|---------------|---------------|
| Peso<br>Weight | 20 g          | 50 g          | 150 g         |

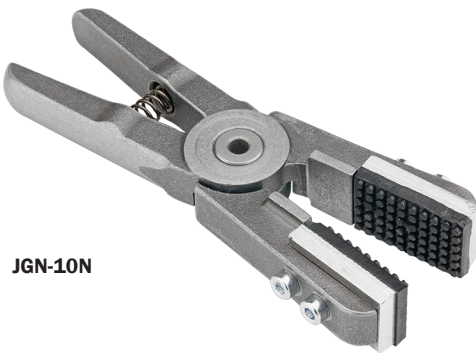
| Lama<br>Blade | Coperchio<br>di protezione<br>Protection cover |
|---------------|------------------------------------------------|
| G.N5AJ        | COJ05                                          |
| G.N5AP        | COJ05                                          |
| G.N5PF        | COJ05                                          |
| G.N10LAB152   | -                                              |
| G.N10LAE269   | COJ12                                          |
| G.N10LAJ      | COJ12                                          |
| G.N10LAP      | COJ12                                          |
| G.N10LPF      | COJ12                                          |
| G.N20AB360    | -                                              |
| G.N20AE       | COJ12                                          |
| G.N20AJ       | COJ12                                          |
| G.N20AJL      | -                                              |
| G.N20ALLL     | -                                              |
| G.N20AP       | COJ12                                          |
| G.N20PF       | COJ12                                          |
| G.N30AA       | -                                              |
| G.N30AA114    | -                                              |
| G.N30AE       | COJ30                                          |
| G.N30AJ       | COJ30                                          |
| G.N30AP       | COJ30                                          |
| G.N30FAL      | -                                              |
| G.N30PF       | COJ30                                          |



## Griffe Fingers



JGW-20S-A50  
+  
GN20



JGN-10N

| Griffe<br>Fingers | Taglierino<br>Nipper | Pressione di esercizio<br>Pressure range | Tipo di griffa<br>Finger style | A1<br>A2 | B    | C1<br>C2 | D  | E  | F  | Peso<br>Weight |
|-------------------|----------------------|------------------------------------------|--------------------------------|----------|------|----------|----|----|----|----------------|
| JGW-10S-A50       | GN-10...             | 2 ÷ 5 bar                                | larga<br>wide                  | 16<br>13 | 49.5 | 6<br>10  | 25 | 35 | 12 | 175 g          |
| JGW-20S-A50       | GN-20...             | 2 ÷ 5 bar                                | larga<br>wide                  | 18<br>13 | 49.5 | 6<br>9   | 25 | 35 | 12 | 185 g          |
| JGN-10S-A52       | GN-10...             | 2 ÷ 5 bar                                | stretta<br>narrow              | 10<br>8  | 49.5 | 0<br>3.5 | 25 | 35 | 12 | 190 g          |
| JGN-20S-A52       | GN-20...             | 2 ÷ 5 bar                                | stretta<br>narrow              | 9<br>7   | 49.5 | 0<br>3.5 | 25 | 35 | 12 | 200 g          |
| JGN-10N           | GN-10...             | 2 ÷ 5 bar                                | stretta<br>narrow              | 9<br>7   | 49.5 | 0<br>2   | 16 | 24 | 12 | 137 g          |