GNS

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

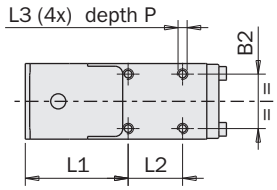
GNS-20

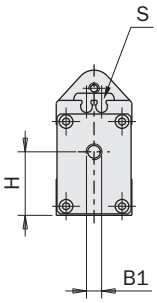
	GNS-05 GNS-05-NC GNS-05-NO	GNS-10 GNS-10-NC GNS-10-NO	GNS-20 GNS-20-NC GNS-20-NO
Fluido *Medium*	Aria compressa a norma ISO 8573-1:2010 [7:4:4] *Compressed air in compliance with ISO 8573-1:2010 [7:4:4]*		
Pressione di esercizio *Pressure range*	4 ÷ 8 bar		
Temperatura di esercizio *Temperature range*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

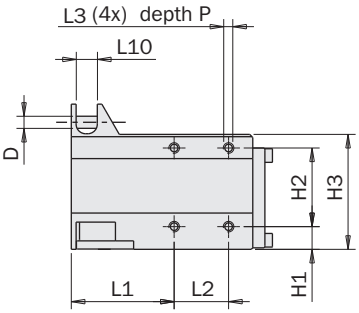
Dimensioni (mm)
Dimensions (mm)

	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

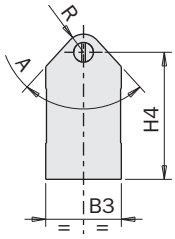
	L5	L6	L10	P	R
GNS-05	66.5	1.6	7	7	6
GNS-10	88	2	12	9	10
GNS-20	94	2	12	9	10

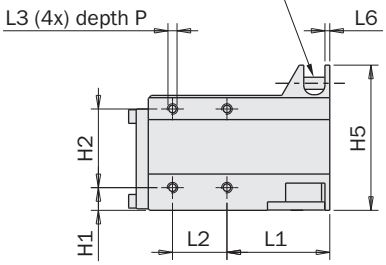


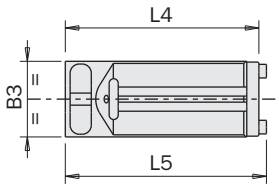




Per lame standard tipo:
For standard blades type:
G.N...AJ
G.N...AP
G.N...PF







B1 Connessione per raccordo aria
Air connection port

L3 Fori di fissaggio
Fastening holes

S Cava per sensore magnetico
Magnetic sensor slot

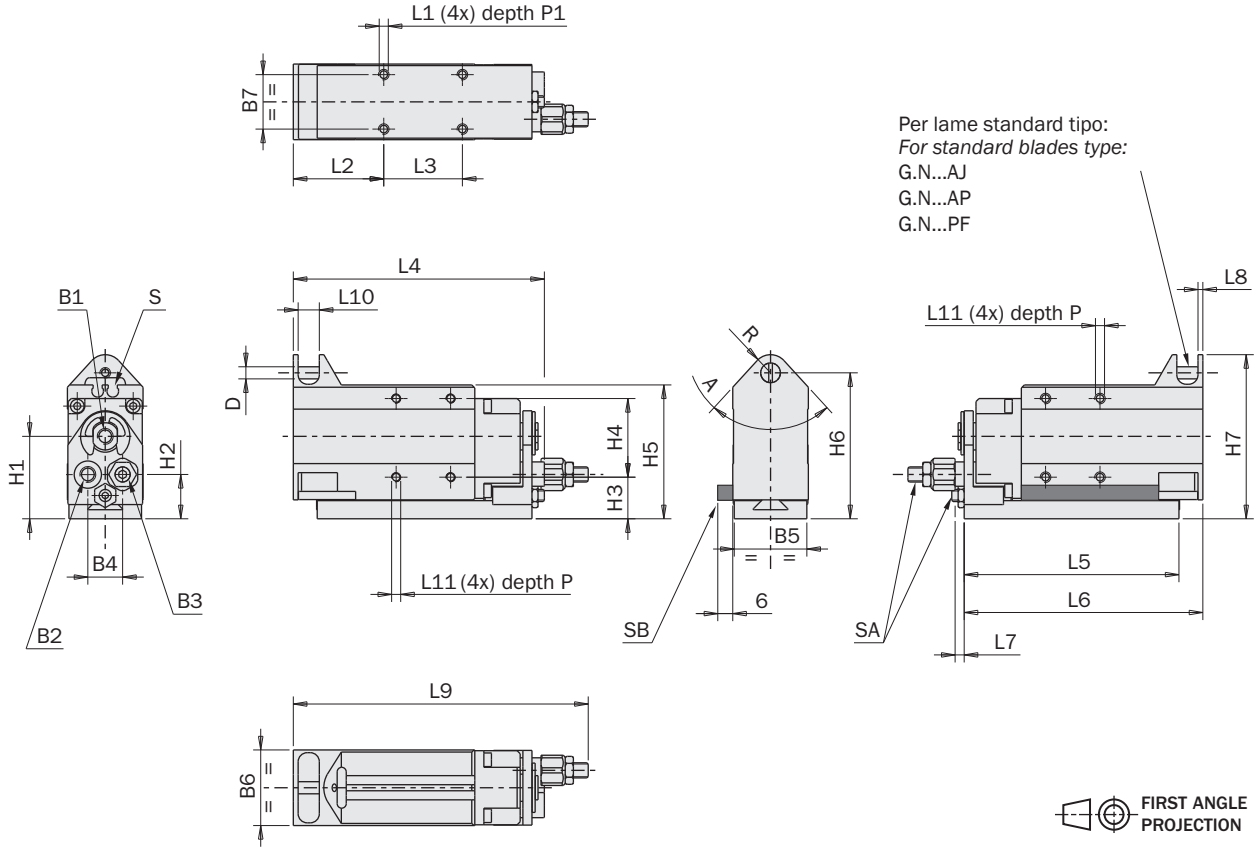
FIRST ANGLE PROJECTION

GNS

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
Maximun slide stroke

S Cava per sensore magnetico
Magnetic sensor slot

SA Regolazione corsa slitta
Slide stroke adjustment

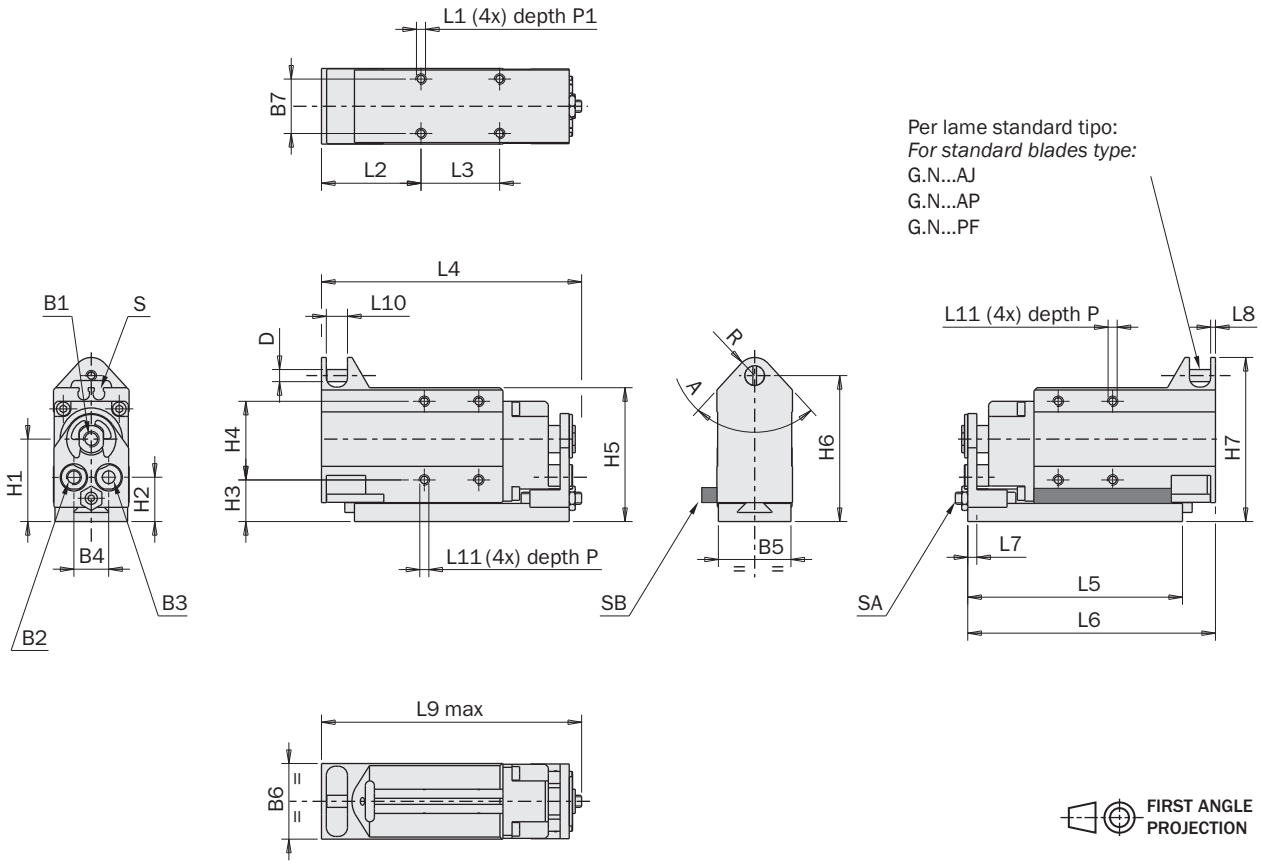
SB Sensore slitta
Slide sensor

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

S Cava per sensore magnetico
Magnetic sensor slot

SA Regolazione corsa slitta
Slide stroke adjustment

SB Sensore slitta
Slide sensor

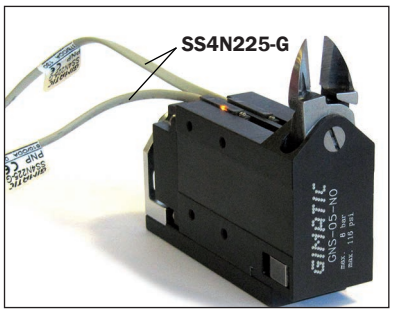
	GNS-05-NO	GNS-10-NO	GNS-20-NO
Corsa slitta *Slide stroke*	3 mm	4 mm	5 mm
Alesaggio slitta *Slide bore*	18 mm	20 mm	25 mm
Forza di chiusura a 6 bar sulla slitta *Closing force at 6 bar on the slide*	75 N	85 N	180 N
Forza di apertura a 6 bar sulla slitta *Opening force at 6 bar on the slide*	180 N	230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

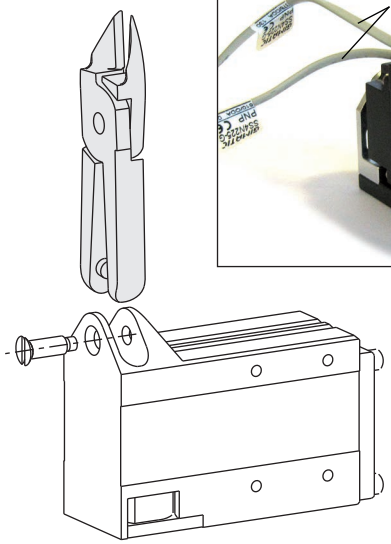
Lame

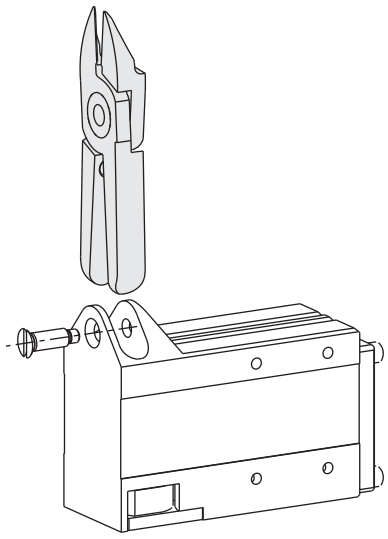
Le lame possono essere montate in entrambi i sensi.

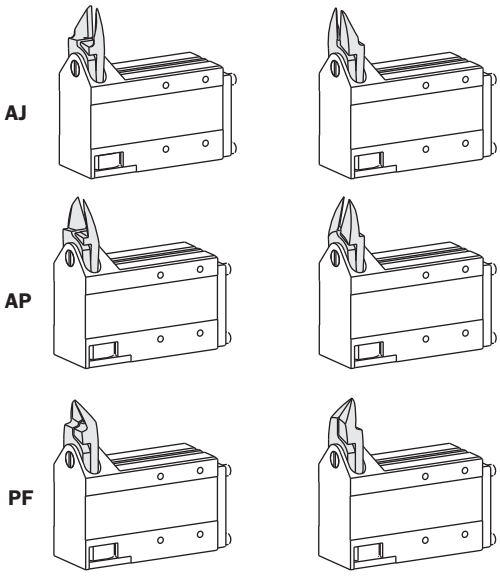
Blades

The blades can be mounted on either side.

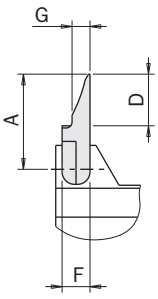




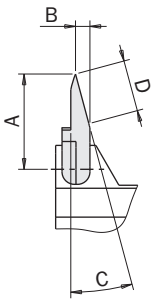


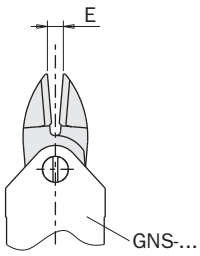


AJ



AP / PF



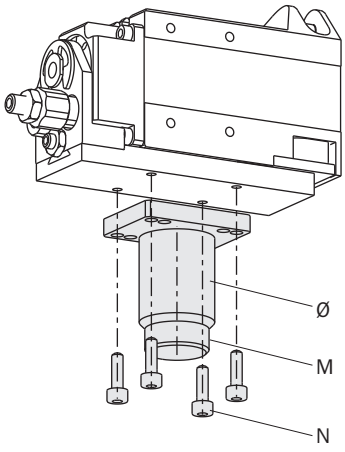


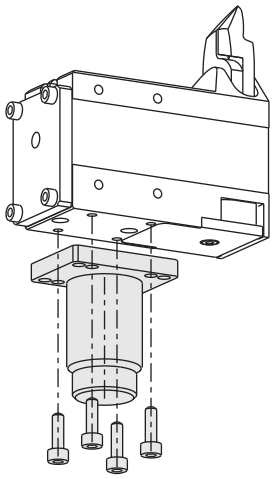
Lame *Blades*	Taglierino *Nipper*	Tipo di lama *Blade style*	A	B	C	D	E	F	G	Peso *Weight*
G.N5AJ	GNS-05-...	dritta *inline*	24	-	-	13	5	7	4.5	33 g
G.N5AP	GNS-05-...	standard *standard*	24	3.6	15°	11.5	4	7	-	34 g
G.N5PF	GNS-05-...	profonda *deep angle*	24	7	40°	9.7	4	7	-	35 g
G.N10LAJ	GNS-10-...	dritta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

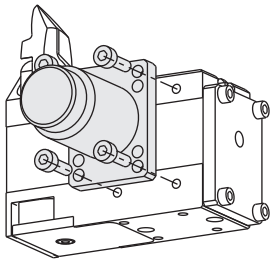
Codolo di montaggio

Assembly bracket

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





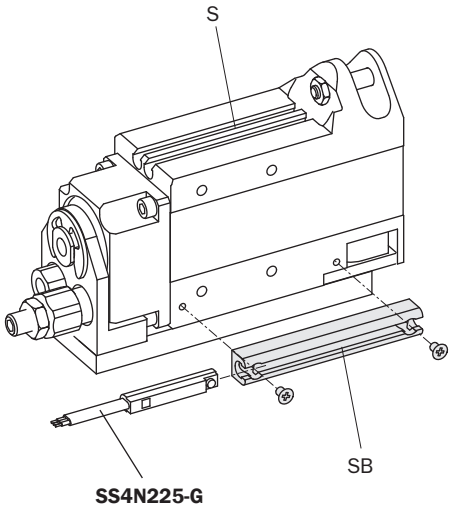


Sensore slitta

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.



SS4N225-G