PE

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

- Azionamento a doppio effetto (a semplice effetto su richiesta per PE-25... e PE-45...).
- Assenza di organi di trasmissione: elevato rendimento e affidabilità.
- Possibilità di scelta su un'ampia gamma di corse.
- Forza di serraggio costante su tutta la corsa in apertura ed in chiusura.
- Basso peso ottenuto con una costruzione interamente in lega leggera.
- Grasso alimentare FDA-H1.

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

- *Double acting (single acting upon request for PE-25... and PE-45...).*
- *High efficiency and reliability due to the lack of driving parts.*
- *Wide choice of stroke length options.*
- *The gripping force is constant on both directions along total stroke.*
- *Light weight; due to its alloy construction.*
- *FDA-H1 food-grade grease.*



PE-4580



PE-4560

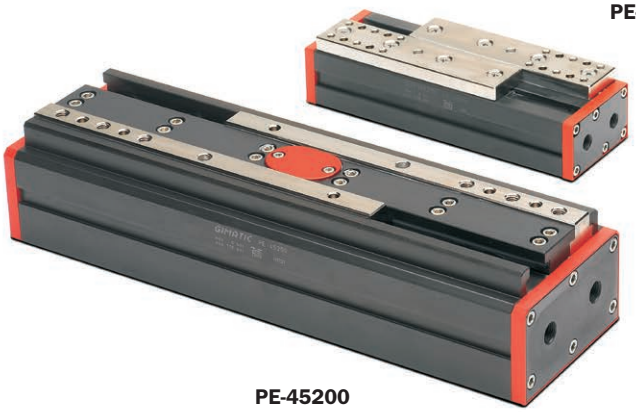


PE-4540



PE-4520

PE-25100



PE-45200



PE-25200



PE-2560



PE-2540



PE-2520



PE-16200



PE-16150



PE-1680



PE-1640



PE-1625



PE-1610

	PE-1610	PE-1625	PE-1640	PE-1680	PE-16150	PE-16200
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÷8 bar					
Temperatura di esercizio *Operating temperature range*	5÷60 °C.					
Forza di serraggio per griffa a 6 bar *Gripping force at 6 bar on each jaw*	100 N					
Forza di serraggio totale a 6 bar *Total gripping force at 6 bar*	200 N					
Corsa (±0.25 mm) *Stroke*	2x5 mm	2x12.5 mm	2x20 mm	2x40 mm	2x75 mm	2x100 mm
Frequenza max funzionamento *Maximum working frequency*	3 Hz	2 Hz	2 Hz	2 Hz	1 Hz	1 Hz
Consumo d'aria per ciclo *Cycle air consumption*	7 cm^3	14 cm^3	21 cm^3	39 cm^3	71 cm^3	97 cm^3
Tempo di chiusura senza carico *Closing time without load*	0.02 s	0.05 s	0.1 s	0.2 s	0.4 s	0.5 s
Ripetibilità *Repetition accuracy*	0.03 mm	0.03 mm	0.03 mm	0.03 mm	0.03 mm	0.03 mm
Peso *Weight*	200 g	250 g	350 g	500 g	900 g	1200 g

Forza di serraggio

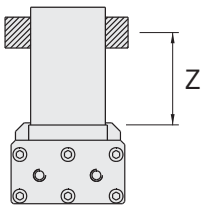
I grafici mostrano la forza per griffa espressa dalla pinza in funzione della pressione, del braccio Z e del disassamento del punto di presa X.

Gripping force

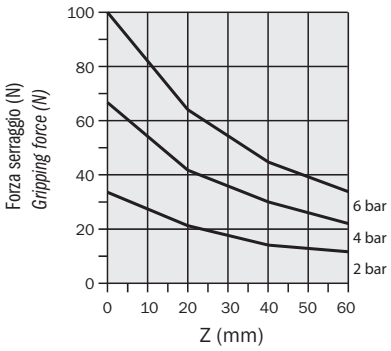
The graphs show the gripping force on each jaw, as a function of the operating pressure, the gripping tool length Z and the overhanging X.

La forza indicata in questi grafici è riferita alla singola griffa.
La forza totale è il doppio.

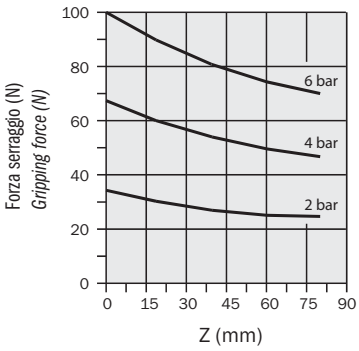
The force shown in these graphs refers to one jaw.
The total force is double.

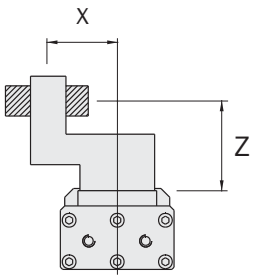


PE-1610

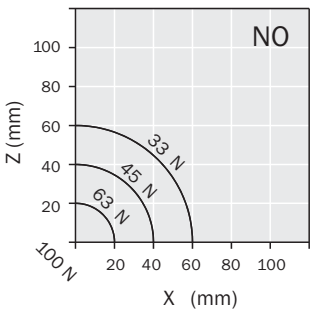


PE-1625/40/80/150/200

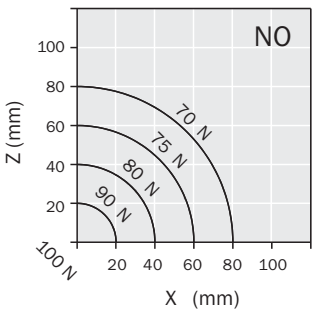




PE-1610 (6 bar)



PE-1625/40/80/150/200 (6 bar)



	PE-2520	PE-2540	PE-2560	PE-25100	PE-25200
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÷8 bar				
Temperatura di esercizio *Operating temperature range*	5÷60 °C.				
Forza di serraggio per griffa a 6 bar *Gripping force at 6 bar on each jaw*	230 N				
Forza di serraggio totale a 6 bar *Total gripping force at 6 bar*	460 N				
Corsa (±0.25 mm) *Stroke*	2x10 mm	2x20 mm	2x30 mm	2x50 mm	2x100 mm
Frequenza max funzionamento *Maximum working frequency*	3 Hz	2 Hz	2 Hz	1 Hz	1 Hz
Consumo d'aria per ciclo *Cycle air consumption*	44 cm^3	74 cm^3	102 cm^3	146 cm^3	263 cm^3
Tempo di chiusura senza carico *Closing time without load*	0.02 s	0.04 s	0.06 s	0.08 s	0.17 s
Ripetibilità *Repetition accuracy*	0.04 mm	0.04 mm	0.04 mm	0.04 mm	0.04 mm
Peso *Weight*	700 g	980 g	1285 g	1235 g	2080 g

Forza di serraggio

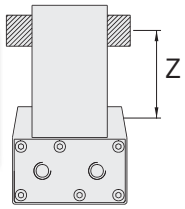
I grafici mostrano la forza per griffa espressa dalla pinza in funzione della pressione, del braccio Z e del disassamento del punto di presa X.

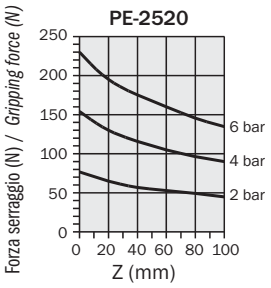
Gripping force

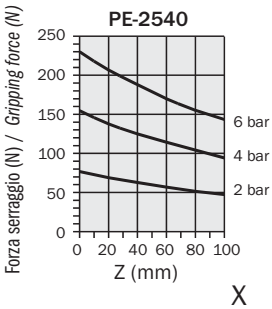
The graphs show the gripping force on each jaw, as a function of the operating pressure, the gripping tool length Z and the overhanging X.

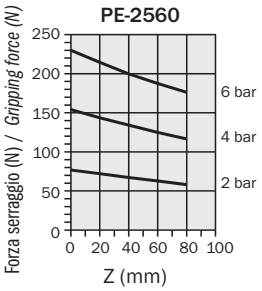
La forza indicata in questi grafici è riferita alla singola griffa. La forza totale è il doppio.

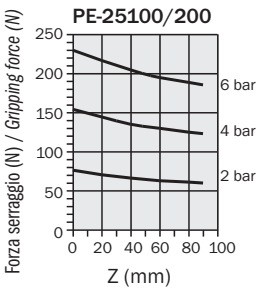
The force shown in these graphs refers to one jaw. The total force is double.

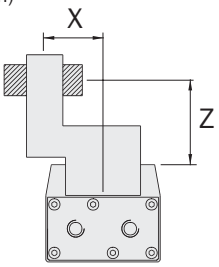


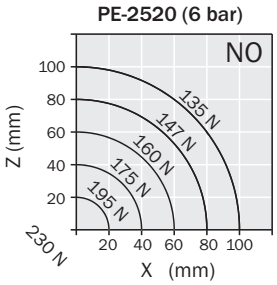


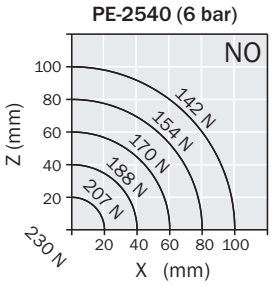


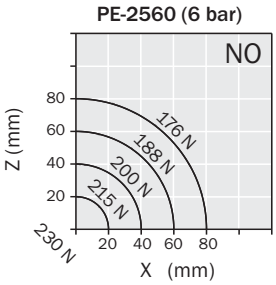


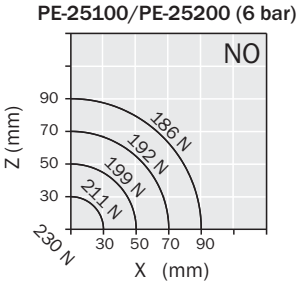












	PE-4520	PE-4540	PE-4560	PE-4580	PE-45200
Fluido *Medium*	Aria compressa a norma ISO 8573-1:2010 [7:4:4] *Compressed air in compliance with ISO 8573-1:2010 [7:4:4]*				
Pressione di esercizio *Operating pressure range*	2÷8 bar				
Temperatura di esercizio *Operating temperature range*	5÷60 °C.				
Forza di serraggio per griffa a 6 bar *Gripping force at 6 bar on each jaw*	700 N	700 N	700 N	700 N	900 N
Forza di serraggio totale a 6 bar *Total gripping force at 6 bar*	1400 N	1400 N	1400 N	1400 N	1800 N
Corsa (±0.25 mm) *Stroke*	2x10 mm	2x20 mm	2x30 mm	2x40 mm	2x100 mm
Frequenza max funzionamento *Maximum working frequency*	3 Hz	2 Hz	1 Hz	1 Hz	1 Hz
Consumo d'aria per ciclo *Cycle air consumption*	132 cm^3	208 cm^3	257 cm^3	371 cm^3	940 cm^3
Tempo di chiusura senza carico *Closing time without load*	0.05 s	0.1 s	0.15 s	0.2 s	0.2 s
Ripetibilità *Repetition accuracy*	0.04 mm	0.04 mm	0.04 mm	0.04 mm	0.04 mm
Peso *Weight*	1840 g	2250 g	2715 g	3300 g	3800 g

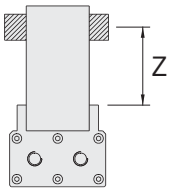
Forza di serraggio

I grafici mostrano la forza per griffa espressa dalla pinza in funzione della pressione, del braccio Z e del disassamento del punto di presa X.

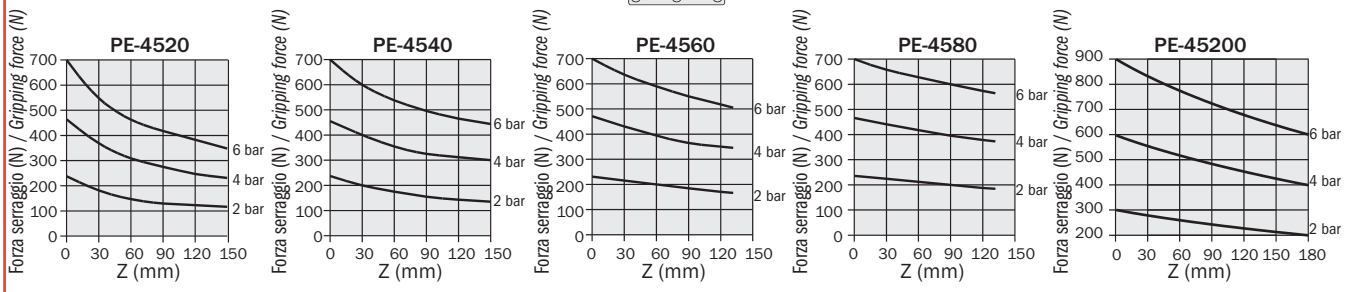
Gripping force

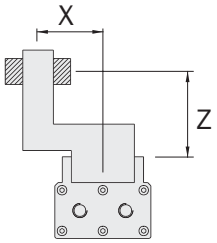
The graphs show the gripping force on each jaw, as a function of the operating pressure, the gripping tool length Z and the overhanging X.

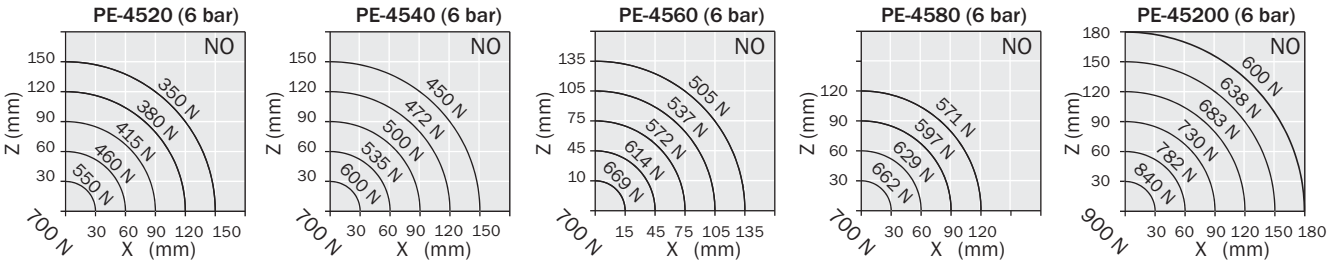
La forza indicata in questi grafici è riferita alla singola griffa.
La forza totale è il doppio.



The force shown in these graphs refers to one jaw.
The total force is double.

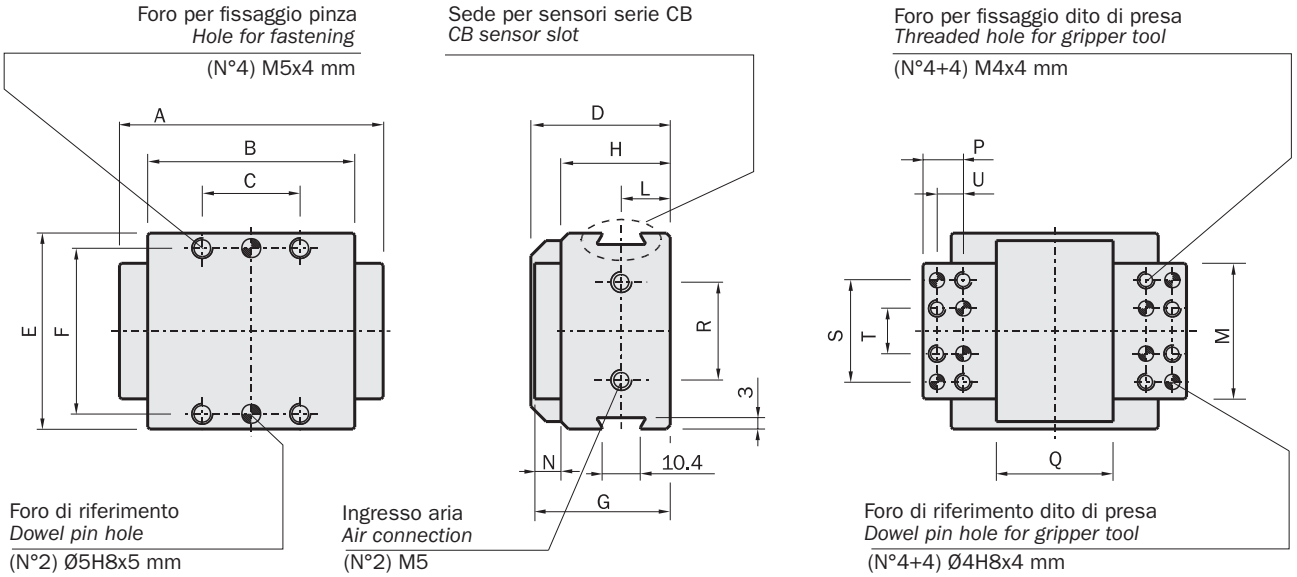




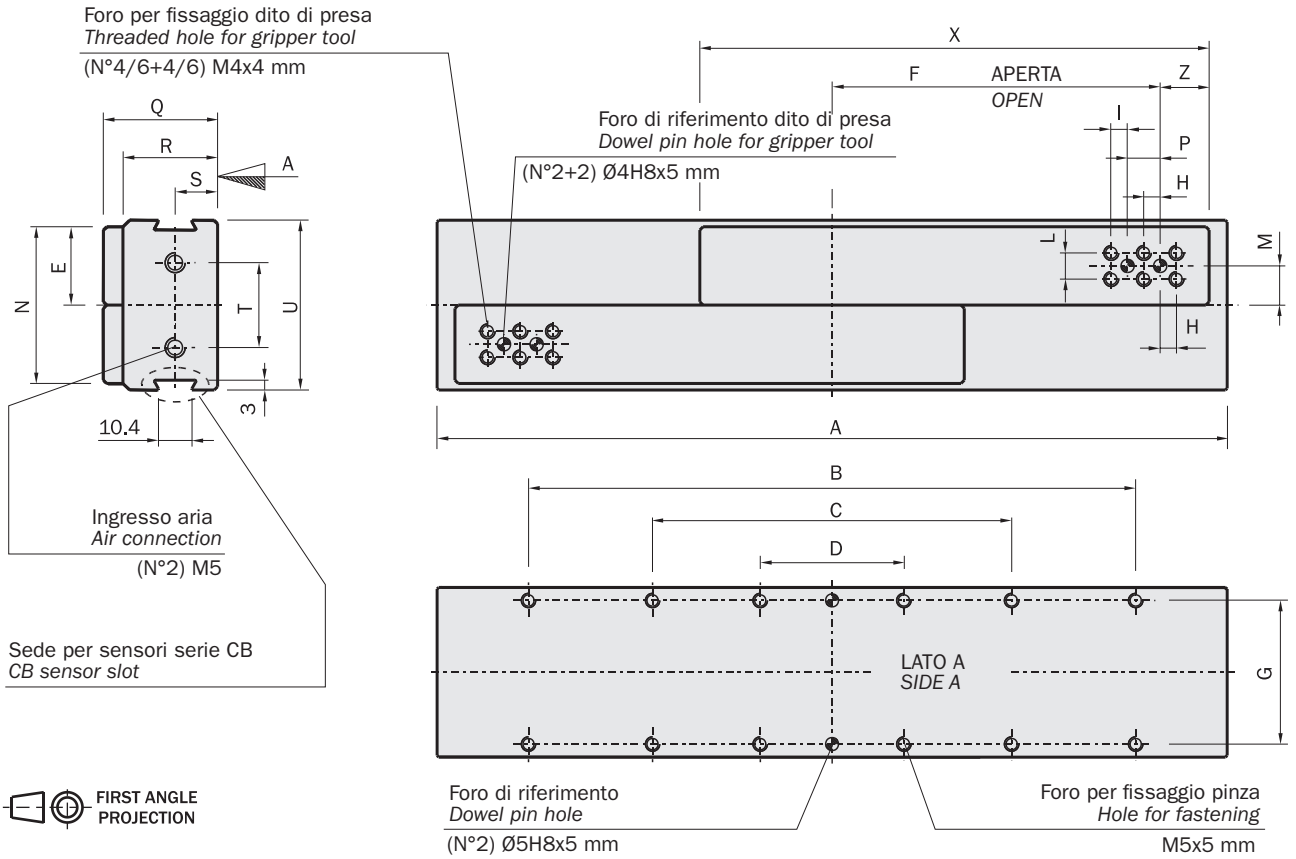


Dimensioni (mm)
Dimensions (mm)

	A	B	C	D	E	F ±0.02	G	H	L	M	N	P	Q	R ±0.02	S ±0.02	T ±0.02	U ±0.02
PE-1610	62	60	26	37	52	44	36	29	13	36	7	11.75	31	26	27	12	7

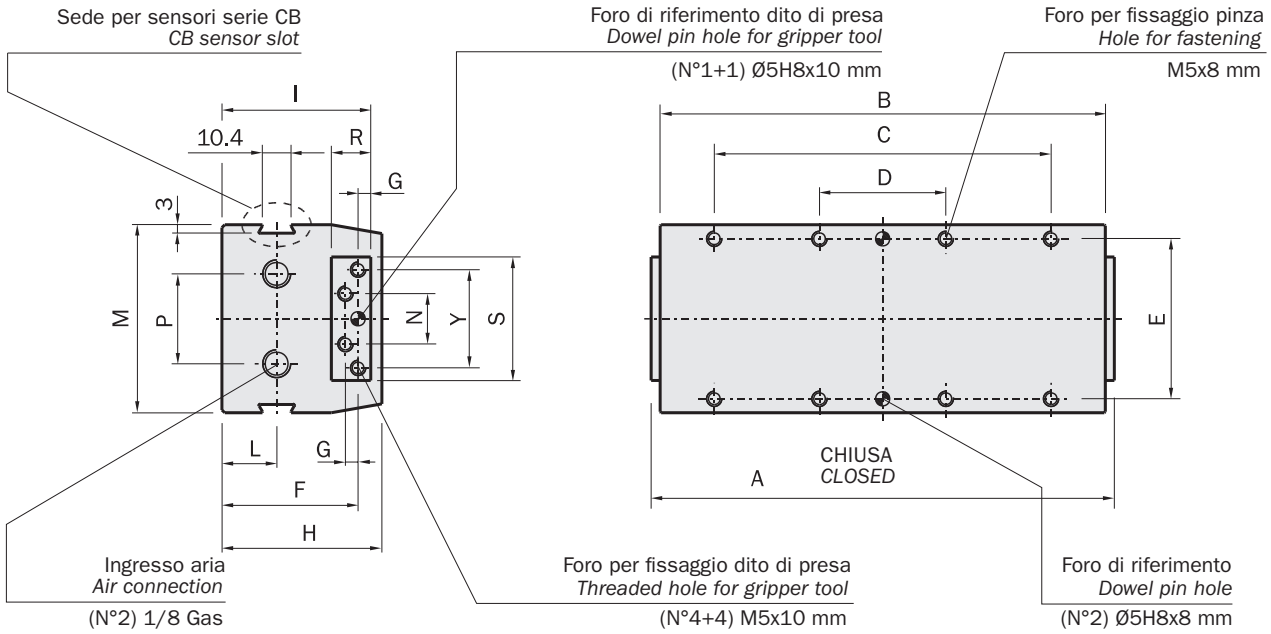


	A	B	C	D	E	F	G ±0.02	H	I	L	M	N	P ±0.02	Q	R	S	T	U	X	Z
PE-1625	70	-	-	26	24	12.5	44	5	-	12	12	48	12	37	29	13	26	52	41.5	14.5
PE-1640	99	-	-	60	24	26.5	44	5	-	8	12	48	10	37	29	13	26	52	63	15
PE-1680	155	-	-	60	24	54.5	44	5	5	8	12	48	10	37	29	13	26	52	99	15
PE-16150	263	-	200	60	24	108.5	44	5	5	8	12	48	10	37	29	13	26	52	172	15
PE-16200	337	280	200	60	24	145.5	44	5	5	8	12	48	10	37	29	13	26	52	221	15

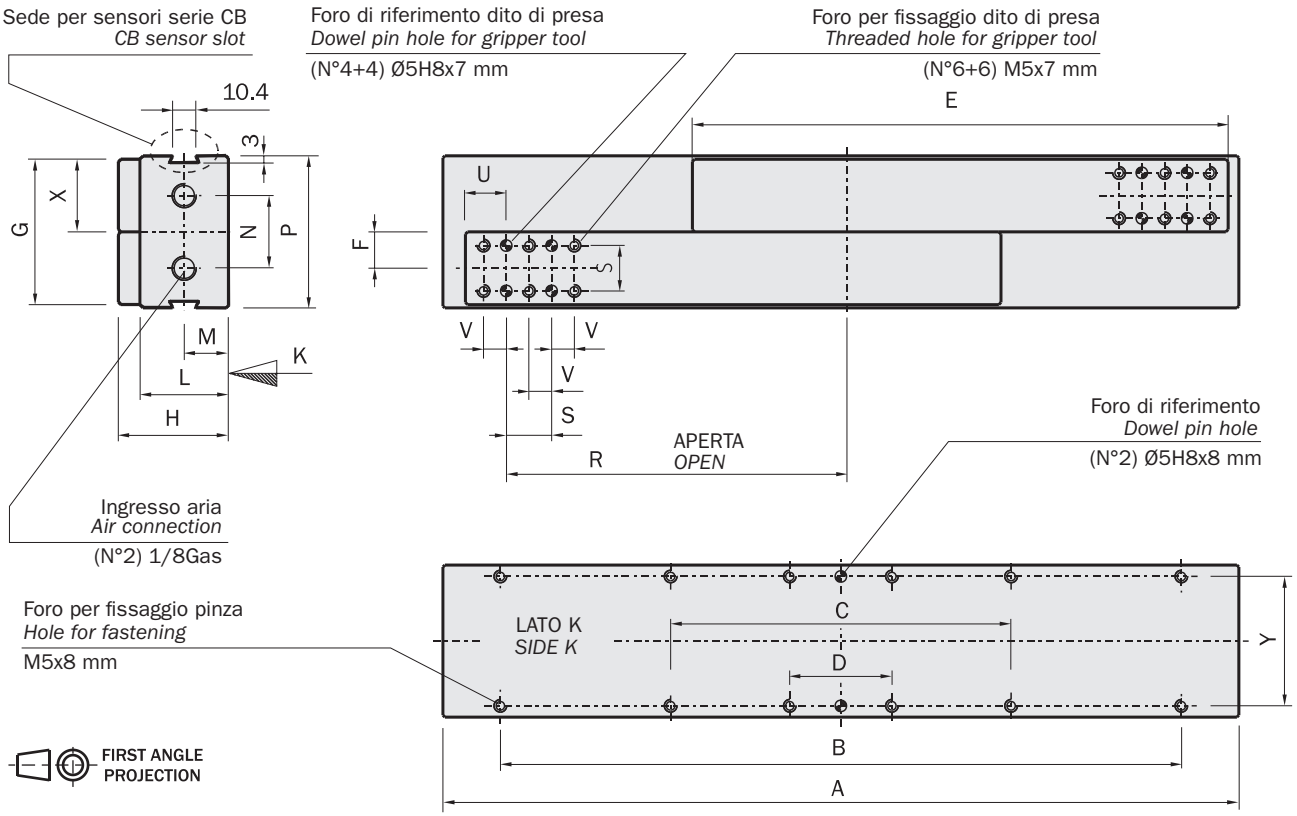


Dimensioni (mm)
Dimensions (mm)

	A	B	C	D	E ±0.02	F	G ±0.02	H	I	L	M	N	P	Y	R -0.05	S -0.05
PE-2520	90	83.6	-	45	57	48.5	4.5	57	53	19.5	67	18	32	35	14	44
PE-2540	130	123.6	-	45	57	48.5	4.5	57	53	19.5	67	18	32	35	14	44
PE-2560	165	158.6	120	45	57	48.5	4.5	57	53	19.5	67	18	32	35	14	44

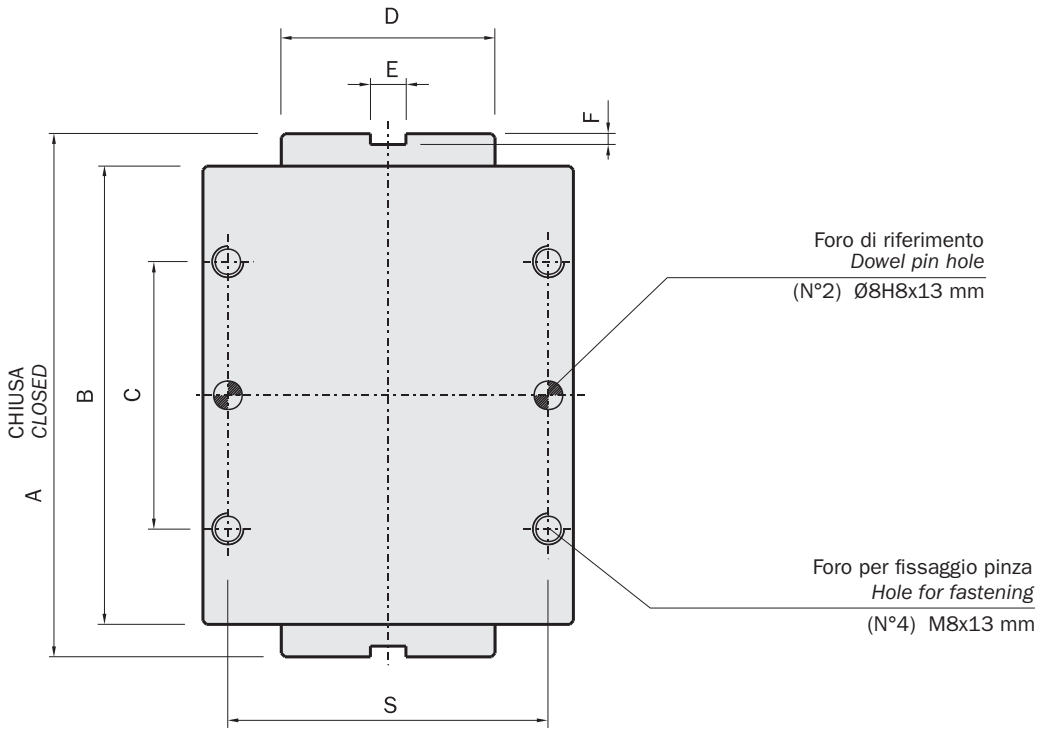


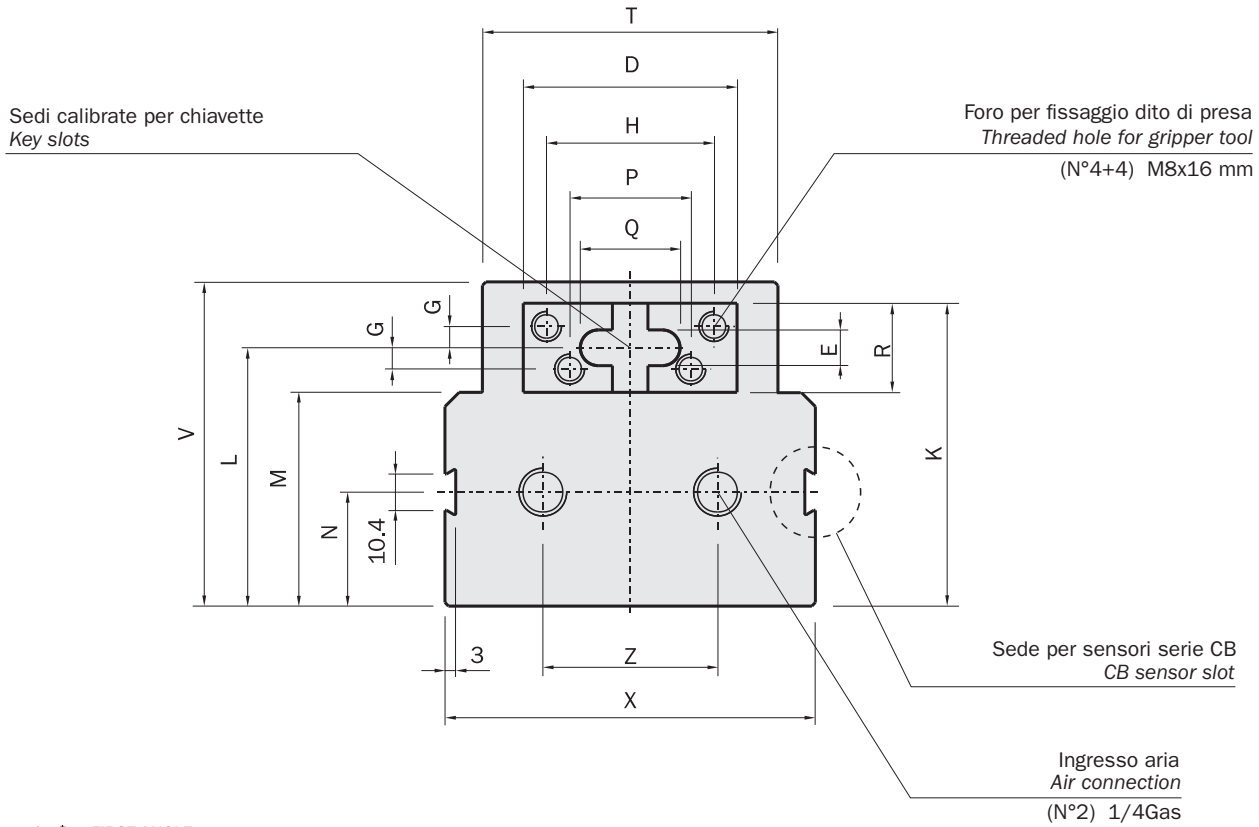
	A	B	C	D	E	F	G	H	L	M	N	P	Y ±0.02	R	S ±0.02	U	X	V
PE-25100	200.6	-	150	45	136	16	64	48.5	39	19.5	32	67	57	75	20	18	32	10
PE-25200	350.6	300	150	45	236	16	64	48.5	39	19.5	32	67	57	150	20	18	32	10



Dimensioni (mm)
Dimensions (mm)

	A	B	C	D -0.05	E +0.05	F	G	H	L	M	N	P	Q	R -0.05	S ±0.02	T	V	X	K	Z
PE-4520	110	100.6	50	60	10	3	6	47	72.5	60	32	34	28	25	90	83	91	104	85	49
PE-4540	140	128.6	75	60	10	3	6	47	72.5	60	32	34	28	25	90	83	91	104	85	49
PE-4560	170	160.6	90	60	10	3	6	47	72.5	60	32	34	28	25	90	83	91	104	85	49
PE-4580	210	200.6	90	60	10	3	6	47	72.5	60	32	34	28	25	90	83	91	104	85	49





FIRST ANGLE PROJECTION

Dimensioni (mm)
Dimensions (mm)

PE-45200

