Sensori

328

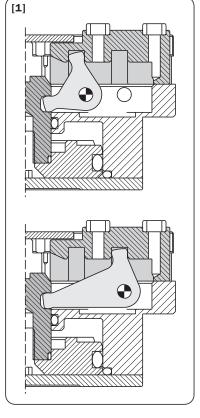
Pinza pneumatica a 2 griffe ad azione parallela autocentrante (serie DH)

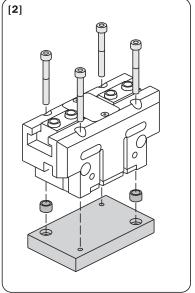
- Azionamento a doppio effetto, con molle opzionali (in chiusura o apertura).
- Corsa lunga o corsa corta (1).
- Possibilità di fissaggio frontale con viti passanti (2).
- Meccanismo di trasmissione ad alta efficienza (1).
- Sensori magnetici o induttivi opzionali (3).
- Grasso alimentare FDA-H1.

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

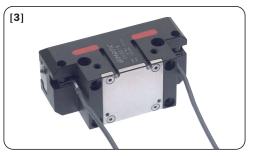
- Double acting with optional springs (normally closed or normally open).
- Long stroke or short stroke (1).
- Possibility of front fastening with through screws (2).
- High efficiency force transmission (1).
- Optional magnetic or inductive sensors (3).
- FDA-H1 food-grade grease.











Sensori (opzionali)

Il rilevamento della posizione di lavoro può essere effettuato con sensori magnetici che rilevano il magnete sul pistone, oppure con sensori induttivi (diametro 4mm), che rilevano una parte metallica (M) la cui posizione nella griffa è regolabile.

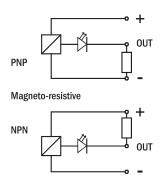
I sensori magnetici utilizzabili sono i codici Gimatic:

Sensors (optional)

The operating position can be checked by magnetic sensors which detect a magnet on the piston, or by inductive sensors (4mm diameter), which detect a metal part (M) in an adjustable position into the jaw.

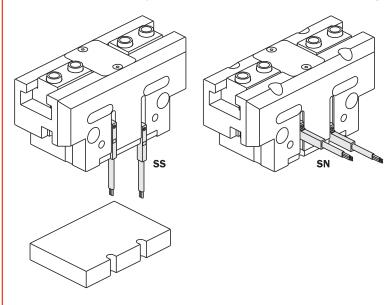
The magnetic sensors from Gimatic are the codes:

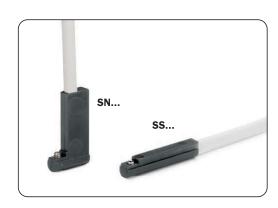
SN4N225-G	PNP	Cavo 2.5m
SN4M225-G	NPN	2.5m cable
SN3N203-G	PNP	Connettore M8
SN3M203-G	NPN	M8 snap plug connector
SS4N225-G	PNP	Cavo 2.5m
SS4M225-G	NPN	2.5m cable
SS3N203-G	PNP	Connettore M8
SS3M203-G	NPN	M8 snap plug connector



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

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

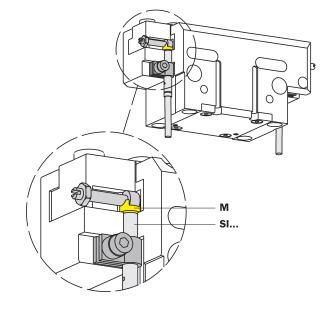




Sensori induttivi regolabili (non per DH19 e DH22):

Adjustable inductive sensors (not for DH19 and DH22):

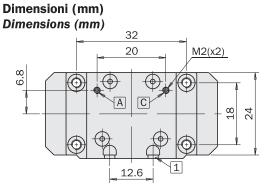
			DH27 DH35 DH44 DH55 DH66 DH87
SI4M225-G	NPN	Cavo 2.5m	
SI4N225-G	PNP	2.5m cable	
3141V225-U	TNP	+ si	

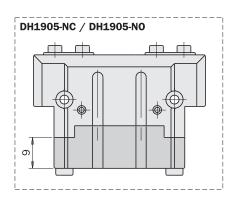


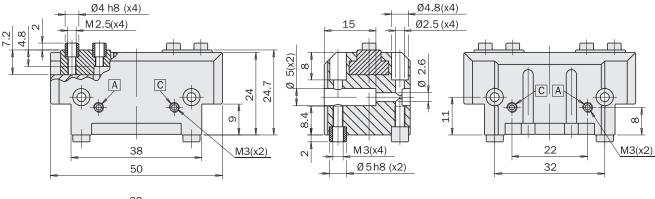
NPN

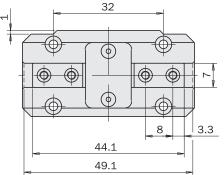
Sellsoll	Sensors	

	DH1905	DH1905-NC	DH1905-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	2 ÷ 8bar	2 ÷ 8bar 4 ÷ 8bar 4 ÷ 8bar					
Temperatura di esercizio Temperature range		5 ÷ 100°C.					
Forza di serraggio per griffa in apertura a 6 bar Opening gripping force at 6 bar each jaw	75N	43 ÷ 49N	101 ÷ 107N				
Forza di serraggio totale in apertura a 6 bar Opening total gripping force at 6 bar	150N	86 ÷ 98N	202 ÷ 214N				
Forza di serraggio per griffa in chiusura a 6 bar Closing gripping force at 6 bar each jaw	68N	94 ÷ 100N	36 ÷ 42N				
Forza di serraggio totale in chiusura a 6 bar Closing total gripping force at 6 bar	136N	188 ÷ 200N	72 ÷ 84N				
Corsa totale (±0.3mm) Total stroke		5mm					
Frequenza max funzionamento continuativo Maximum working frequency		3Hz					
Consumo d'aria per ciclo Cycle air consumption	2cm³	3cm ³	3cm ³				
Tempo minimo di chiusura / apertura Closing / opening minimum time	0.01s / 0.01s	0.01s / 0.02s	0.02s / 0.01s				
Ripetibilità Repetition accuracy		0.02mm					
Peso Weight	87g	100g	98g				





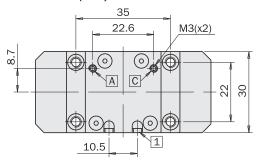


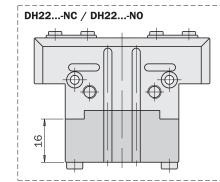


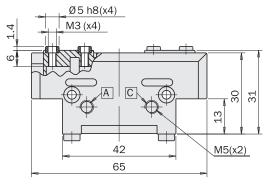
- Sede per sensori Sensor groove
 - Aria compressa in A: apertura della pinza Compressed air in A: gripper opening
 - Compressed air in C: chiusura della pinza Compressed air in C: gripper closing

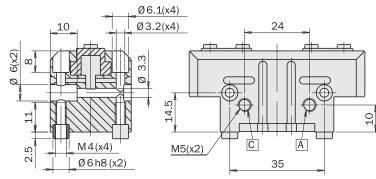
	DH2208	DH2208-NC	DH2208-NO	DH2204	DH2204-NC	DH2204-NO
Fluido Medium		Aria comp Compressed air	ressa a norma l r in compliance			1
Pressione di esercizio Pressure range	2 ÷ 8bar	4 ÷ 8bar	4 ÷ 8bar	2 ÷ 8bar	4 ÷ 8bar	4 ÷ 8bar
Temperatura di esercizio Temperature range	5 ÷ 100°C.					
Forza di serraggio per griffa in apertura a 6 bar Opening gripping force at 6 bar each jaw	100N	58 ÷ 67N	134 ÷ 142N	200N	116 ÷ 133N	267 ÷ 284N
Forza di serraggio totale in apertura a 6 bar Opening total gripping force at 6 bar	200N	116 ÷ 134N	268 ÷ 284N	400N	232 ÷ 266N	534 ÷ 568N
Forza di serraggio per griffa in chiusura a 6 bar Closing gripping force at 6 bar each jaw	90N	123 ÷ 132N	48 ÷ 56N	180N	247 ÷ 264N	96 ÷ 113N
Forza di serraggio totale in chiusura a 6 bar Closing total gripping force at 6 bar	180N	246 ÷ 264N	96 ÷ 112N	360N	494 ÷ 528N	192 ÷ 226N
Corsa totale (±0.3mm) Total stroke		8mm			4mm	
Frequenza max funzionamento continuativo Maximum working frequency			31	łz		
Consumo d'aria per ciclo Cycle air consumption	4cm³	7cm³	7cm³	4cm³	7cm³	7cm³
Tempo minimo di chiusura / apertura Closing / opening minimum time	0.02s / 0.02s	0.02s / 0.03s	0.03s / 0.02s	0.02s / 0.02s	0.02s / 0.03s	0.03s / 0.02s
Ripetibilità Repetition accuracy	0.02mm	0.02mm	0.02mm	0.02mm	0.02mm	0.02mm
Peso Weight	148g	188g	184g	150g	190g	186g

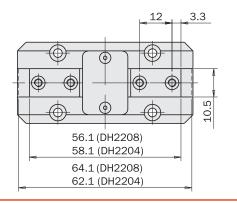
Dimensioni (mm) Dimensions (mm)







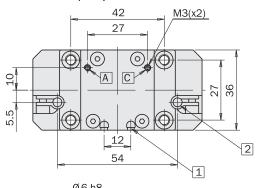


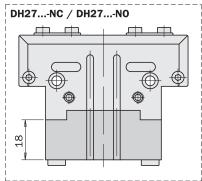


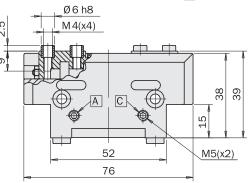
- Sede per sensori Sensor groove
- Aria compressa in A: apertura della pinza Compressed air in A: gripper opening
- C Aria compressa in C: chiusura della pinza Compressed air in C: gripper closing

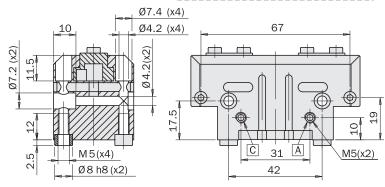


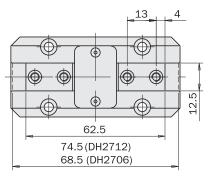
	DH2712	DH2712-NC	DH2712-NO	DH2706	DH2706-NC	DH2706-N
luido Medium			ressa a norma l 'in compliance		10 [7:4:4] 3-1:2010 [7:4:4]	1
Pressione di esercizio Pressure range	2 ÷ 8bar	4 ÷ 8bar	4 ÷ 8bar	2 ÷ 8bar	4 ÷ 8bar	4 ÷ 8bar
emperatura di esercizio emperature range		5 ÷ 100°C.				
Forza di serraggio per griffa in apertura a 6 bar Opening gripping force at 6 bar each jaw	145N	85 ÷ 97N	194 ÷ 206N	290N	170 ÷ 194N	389 ÷ 4131
Forza di serraggio totale in apertura a 6 bar Opening total gripping force at 6 bar	290N	170 ÷ 194N	388 ÷ 412N	580N	340 ÷ 388N	778 ÷ 826
orza di serraggio per griffa in chiusura a 6 bar Closing gripping force at 6 bar each jaw	130N	178 ÷ 190N	69 ÷ 81N	260N	356 ÷ 380N	138 ÷ 162
orza di serraggio totale in chiusura a 6 bar Closing total gripping force at 6 bar	260N	356 ÷ 380N	138 ÷ 162N	520N	712 ÷ 760N	276 ÷ 324
Corsa totale (±0.3mm) Total stroke		12mm 6mm				
requenza max funzionamento continuativo Aaximum working frequency			31	łz		
Consumo d'aria per ciclo Cycle air consumption	9cm³	13cm ³	13cm ³	9cm³	13cm ³	13cm ³
empo minimo di chiusura / apertura Closing / opening minimum time	0.03s / 0.03s	0.03s / 0.04s	0.04s / 0.03s	0.03s / 0.03s	0.03s / 0.04s	0.04s / 0.03s
tipetibilità Repetition accuracy		0.02mm				
Peso Neight	255g	325g	315g	260g	330g	320g
Dimensioni (mm)						
Dimensions (mm)				NC / DH2		1









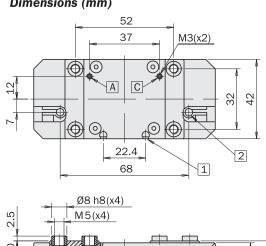


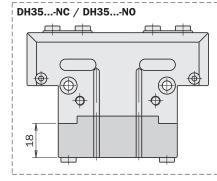
- Sede per sensori Sensor groove
- Porta sensori induttivi Ø4 Ø4 inductive sensor holder
- Aria compressa in A: apertura della pinza Compressed air in A: gripper opening
- Aria compressa in C: chiusura della pinza C Compressed air in C: gripper closing

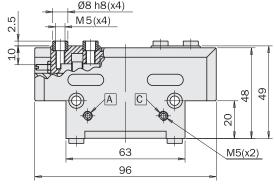
FIRST ANGLE PROJECTION

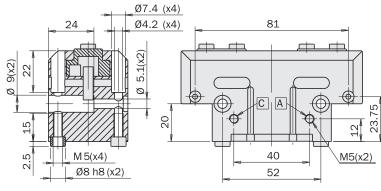
	DH3516	DH3516-NC	DH3516-NO	DH3508	DH3508-NC	DH3508-NO
Fluido Medium		Aria comp Compressed air	ressa a norma r in compliance			1
Pressione di esercizio Pressure range	1.5 ÷ 8bar	4 ÷ 8bar	4 ÷ 8bar	1.5 ÷ 8bar	4 ÷ 8bar	4 ÷ 8bar
Temperatura di esercizio Temperature range	5 ÷ 100°C.					
Forza di serraggio per griffa in apertura a 6 bar Opening gripping force at 6 bar each jaw	250N	140 ÷ 177N	323 ÷ 360N	500N	280 ÷ 353N	647 ÷ 720N
Forza di serraggio totale in apertura a 6 bar Opening total gripping force at 6 bar	500N	280 ÷ 354N	646 ÷ 720N	1000N	560 ÷ 706N	1294 ÷ 1440N
Forza di serraggio per griffa in chiusura a 6 bar Closing gripping force at 6 bar each jaw	220N	298 ÷ 319N	122 ÷ 143N	440N	595 ÷ 639N	244 ÷ 287N
Forza di serraggio totale in chiusura a 6 bar Closing total gripping force at 6 bar	440N	596 ÷ 638N	244 ÷ 286N	880N	1190 ÷ 1278N	488 ÷ 574N
Corsa totale (±0.3mm) Total stroke		16mm			8mm	
Frequenza max funzionamento continuativo Maximum working frequency			31	Hz		
Consumo d'aria per ciclo Cycle air consumption	18cm ³	25cm ³	25cm ³	18cm ³	25cm ³	25cm ³
Tempo minimo di chiusura / apertura Closing / opening minimum time	0.03s / 0.03s	0.03s / 0.04s	0.04s / 0.03s	0.03s / 0.03s	0.03s / 0.04s	0.04s / 0.03s
Ripetibilità Repetition accuracy	0.02mm					
Peso Weight	460g	550g	540g	470g	560g	550g

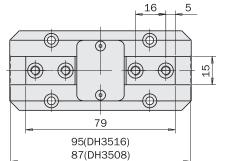
Dimensioni (mm) **Dimensions (mm)**











- Sede per sensori Sensor groove
- Porta sensori induttivi Ø4
- Aria compressa in A: apertura della pinza Compressed air in A: gripper opening
- Aria compressa in C: chiusura della pinza C Compressed air in C: gripper closing

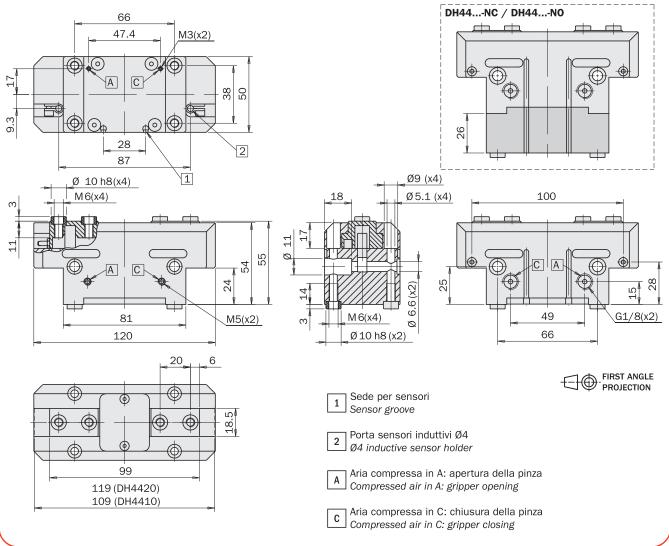
01/2024

FIRST ANGLE PROJECTION

201	SOrs	
200	Sen	

	DH4420	DH4420-NC	DH4420-NO	DH4410	DH4410-NC	DH4410-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]					1
Pressione di esercizio Pressure range	1.5 ÷ 8bar	4 ÷ 8bar	4 ÷ 8bar	1.5 ÷ 8bar	4 ÷ 8bar	4 ÷ 8bar
Temperatura di esercizio Temperature range	5 ÷ 100°C.					
Forza di serraggio per griffa in apertura a 6 bar Opening gripping force at 6 bar each jaw	405N	236 ÷ 298N	513 ÷ 575N	810N	472 ÷ 595N	1027 ÷ 1150N
Forza di serraggio totale in apertura a 6 bar Opening total gripping force at 6 bar	810N	472 ÷ 596N	1026 ÷ 1150N	1620N	944 ÷ 1190N	2054 ÷ 2300N
Forza di serraggio per griffa in chiusura a 6 bar Closing gripping force at 6 bar each jaw	365N	472 ÷ 534N	195 ÷ 257N	730N	945 ÷ 1068N	390 ÷ 513N
Forza di serraggio totale in chiusura a 6 bar Closing total gripping force at 6 bar	730N	944 ÷ 1068N	390 ÷ 514N	1460N	1890 ÷ 2136N	780 ÷ 1026N
Corsa totale ±0.3mm Total stroke		20mm			10mm	
Frequenza max funzionamento continuativo Maximum working frequency			21	lz		
Consumo d'aria per ciclo Cycle air consumption	36cm ³	52cm³	52cm ³	36cm ³	52cm³	52cm ³
Tempo minimo di chiusura / apertura Closing / opening minimum time	0.08s / 0.08s	0.06s / 0.13s	0.13s / 0.06s	0.08s / 0.08s	0.06s / 0.13s	0.13s / 0.06s
Ripetibilità Repetition accuracy	0.02mm					
Peso Weight	780g	990g	960g	800g	1010g	980g

Dimensioni (mm) Dimensions (mm)



01/2024

4 ÷ 8bar

DH5512 DH5512-NC DH5512-NO

4 ÷ 8bar

Aria compressa a norma ISO 8573-1:2010 [7:4:4] Compressed air in compliance with ISO 8573-1:2010 [7:4:4]

1.5 ÷ 8bar

Pressure range Temperatura di esercizio

Pressione di esercizio

Fluido Medium

Opening total gripping force at 6 bar

Temperature range Forza di serraggio per griffa in apertura a 6 bar Opening gripping force at 6 bar each jaw Forza di serraggio totale in apertura a 6 bar

Forza di serraggio per griffa in chiusura a 6 bar Closing gripping force at 6 bar each jaw Forza di serraggio totale in chiusura a 6 bar Closing total gripping force at 6 bar

Corsa totale (±0.3mm) Total stroke Frequenza max funzionamento continuativo

Maximum working frequency Consumo d'aria per ciclo Cycle air consumption

Tempo minimo di chiusura / apertura Closing / opening minimum time Ripetibilità Repetition accuracy

Peso Weight

5 ÷ 100°C. 1742 ÷ 625N 359 ÷ 443N 807 ÷ 891N 1350N 774 ÷ 957N 1924N 1614 ÷ 1548 ÷ 3484 ÷ 1250N 718 ÷ 886N 2700N 1782N 1914N 3884N 1595 ÷ 555N 739 ÷ 823N 290 ÷ 375N 1200N 627 ÷ 809N 1777N 1478 ÷ 3190 ÷ 1254 ÷ 2400N 1110N 580 ÷ 750N 1646N 3554N 1618N

4 ÷ 8bar

26mm 2Hz

DH5526-NC DH5526-NO

4 ÷ 8bar

DH5526

1.5 ÷ 8bar

1350g

70cm³ 97cm³ 97cm³ 0.08s / 0.11s / 0.11s 0.13s

1750g

0.13s / 0.08s / 0.08s 0.08s

1700g

0.13s 0.02mm

70cm³

1370g

1770g

12mm

97cm³

0.06s /

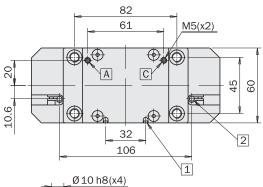
1720g

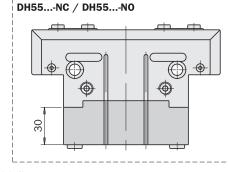
97cm³

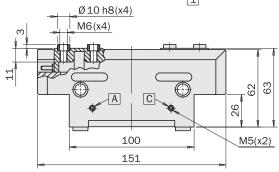
0.13s /

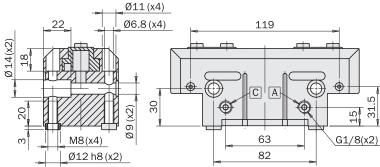
0.06s

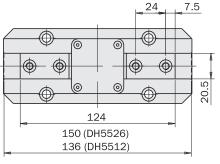
Dimensioni (mm) **Dimensions (mm)**











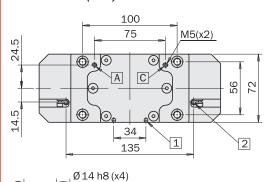
- Sede per sensori Sensor groove
- Porta sensori induttivi Ø4 Ø4 inductive sensor holder
- Aria compressa in A: apertura della pinza Compressed air in A: gripper opening
- Aria compressa in C: chiusura della pinza Compressed air in C: gripper closing

FIRST ANGLE PROJECTION

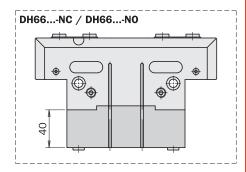
SOII	SOLS	
200	Sel	

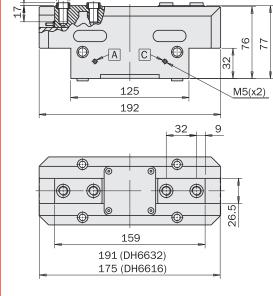
					,	
	DH6632	DH6632-NC	DH6632-NO	DH6616	DH6616-NC	DH6616-N
Fluido Medium		Aria compressa a norma ISO 8573-1:2010 [7:4:4] Compressed air in compliance with ISO 8573-1:2010 [7:4:4]				
Pressione di esercizio Pressure range	1.5 ÷ 8bar	4 ÷ 8bar	4 ÷ 8bar	1.5 ÷ 8bar	4 ÷ 8bar	4 ÷ 8bar
Temperatura di esercizio Temperature range		5 ÷ 100°C.				
Forza di serraggio per griffa in apertura a 6 bar Opening gripping force at 6 bar each jaw	920N	559 ÷ 663N	1180 ÷ 1284N	1840N	1119 ÷ 1326N	2361 ÷ 2568N
Forza di serraggio totale in apertura a 6 bar Opening total gripping force at 6 bar	1840N	1118 ÷ 1326N	2360 ÷ 2568N	3680N	2238 ÷ 2652N	4722 ÷ 5136N
Forza di serraggio per griffa in chiusura a 6 bar Closing gripping force at 6 bar each jaw	820N	1078 ÷ 1181N	457 ÷ 560N	1640N	2156 ÷ 2363N	914 ÷ 1121N
Forza di serraggio totale in chiusura a 6 bar Closing total gripping force at 6 bar	1640N	2156 ÷ 2362N	914 ÷ 1120N	3280N	4312 ÷ 4726N	1828 ÷ 2242N
Corsa totale (±0.3mm) Total stroke		32mm 16mm				
Frequenza max funzionamento continuativo Maximum working frequency			21	łz		
Consumo d'aria per ciclo Cycle air consumption	127cm ³	178cm ³	178cm ³	127cm ³	178cm ³	178cm ³
Tempo minimo di chiusura / apertura Closing / opening minimum time	0.15s / 0.15s	0.12s / 0.18s	0.18s / 0.12s	0.15s / 0.15s	0.12s / 0.18s	0.18s / 0.12s
Ripetibilità Repetition accuracy		0.02mm				
Peso Weight	2630g	3430g	3300g	2670g	3470g	3340g

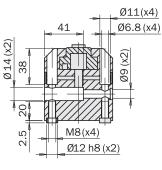
Dimensioni (mm) Dimensions (mm)

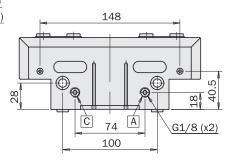


M10(x4)









- Sede per sensori Sensor groove
- Porta sensori induttivi Ø4 Ø4 inductive sensor holder
- Aria compressa in A: apertura della pinza Compressed air in A: gripper opening
- C Aria compressa in C: chiusura della pinza Compressed air in C: gripper closing

FIRST ANGLE PROJECTION

B-NC	DH8728-NO	

4 ÷ 8bar

3509 ÷

3776N

7018 ÷

7552N

1475 ÷

1742N

2950 ÷

3484N

472cm³ 0.31s/

0.19s

6810g

Aria compressa a norma ISO 8573-1:2010 [7:4:4] Compressed air in compliance with ISO 8573-1:2010 [7:4:4]

5 ÷ 100°C.

1Hz

0.02mm

DH8728

1.5 ÷ 8bar

2750N

5500N

2500N

5000N

347cm³

0.21s /

0.21s

5050g

DH87...-NC / DH87...-NO

4 ÷ 8har

1720 ÷

1988N

3440 ÷

3976N

3263 ÷

3531N

6526 ÷

7026N

28mm

472cm³

0.19s /

0.31s

6980g

DH8750-NC DH8750-NO

4 ÷ 8har

1992 ÷

2144N

3984 ÷

4288N

837 ÷ 989N

1674

÷1978N

472cm3

0.31s /

0.19s

6750g

4 ÷ 8bar

977 ÷

1129N

1954 ÷

2258N

1853 ÷

2005N

3706 ÷

4010N

50mm

472cm3

0.19s /

0.31s

6920g

DH8750

1.5 ÷ 8bar

1560N

3120N

1420N

2840N

347cm³

0.21s /

0.21s

4990g

Pressure range
Temperatura di esercizio
Tomanousture rondo

Pressione di esercizio

Fluido Medium

Temperature range

Forza di serraggio per griffa in apertura a 6 bar Opening gripping force at 6 bar each jaw Forza di serraggio totale in apertura a 6 bar Opening total gripping force at 6 bar

Forza di serraggio per griffa in chiusura a 6 bar

Closing gripping force at 6 bar each jaw Forza di serraggio totale in chiusura a 6 bar Closing total gripping force at 6 bar Corsa totale (±0.3mm)

Total stroke Frequenza max funzionamento continuativo Maximum working frequency

Cycle air consumption
Tempo minimo di chiusura / apertura Closing / opening minimum time
Ripetibilità

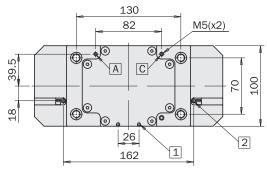
Peso Weight

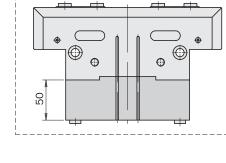
Dimensioni (mm)

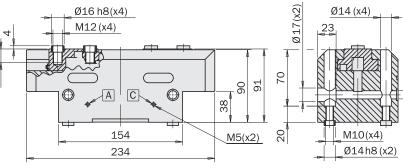
Dimensions (mm)

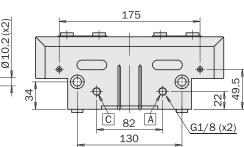
Consumo d'aria per ciclo

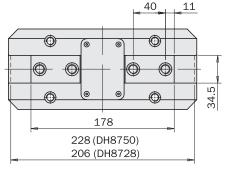
Repetition accuracy











- Sede per sensori Sensor groove
- Porta sensori induttivi Ø4 Ø4 inductive sensor holder
- Aria compressa in A: apertura della pinza Compressed air in A: gripper opening
- Aria compressa in C: chiusura della pinza Compressed air in C: gripper closing

01/2024

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FIRST ANGLE PROJECTION