



Designed for precise and high repeatability usage, Airwork parallel air grippers are the perfect compromise between compact size and gripping force. Indeed, the roller system allows to reduce frictions at minimums and guarantees high precision of grip. PS series permits the mounting in all available positions and the possibility to add a round magnetic switch on all four surfaces.

**Fortement conseillées pour des utilisations précises et des fréquences élevées, les pinces pneumatiques parallèles d'Airwork sont le parfait compromis entre la compacité et la force de préhension. En effet, le système à rouleaux, permet de réduire au minimum les frictions et garantit une grande précision d'adhérence. La série PS peut être montée dans toutes les positions possibles et des capteurs magnétiques ronds peuvent être insérés sur tous les faces.**

*Destinate ad un utilizzo di precisione e elevata ripetibilità, le pinze pneumatiche parallele di Airwork, sono il perfetto compromesso tra compattezza e forza di presa. Infatti il sistema a rulli consente di ridurre al minimo gli attriti e garantisce grande precisione di presa.*

*La serie PS consente il montaggio in tutte le posizioni possibili e il montaggio dei sensori a scomparsa su tutte le facciate della pinza.*

ORDERING CODE / CODIFICATION / CHIAVE DI CODIFICA

PS300

Ø gripper / Ø pince / Ø pinza  
10 - 16 - 20 - 25 mm

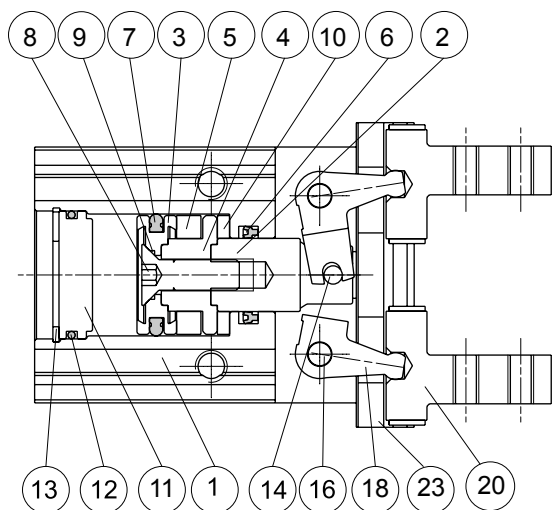
3 = Double acting / Double effet / Doppio effetto  
5 = Single acting open fingers / Simple effet doigts ouverts / Semplice effetto dita aperte  
6 = Single acting closed fingers / Simple effet doigts fermés / Semplice effetto dita chiuse

TECHNICAL DATA / DONNÉES TECHNIQUES / DATI TECNICI

	Ø10	Ø16	Ø20	Ø25
Opening - closing / Ouverture - fermeture / Apertura - chiusura	4 mm	6 mm	10 mm	14 mm
External gripping force (5 bar) / Force de prise externe (bar) / Forza di presa esterna (5bar)	11 (N)	34 (N)	42 (N)	65 (N)
Internal gripping force (5 bar) / Force de prise interne (bar) / Forza di presa interna (5bar)	17 (N)	45 (N)	66 (N)	104 (N)

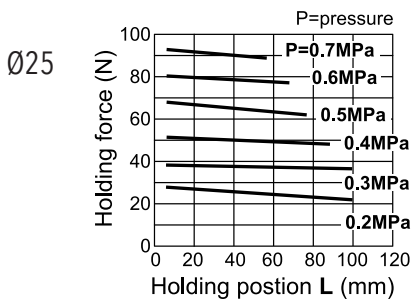
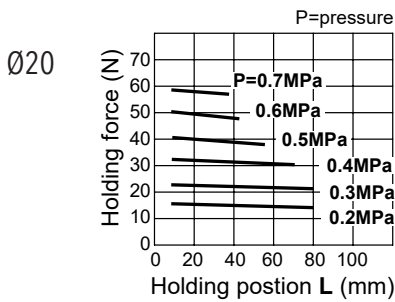
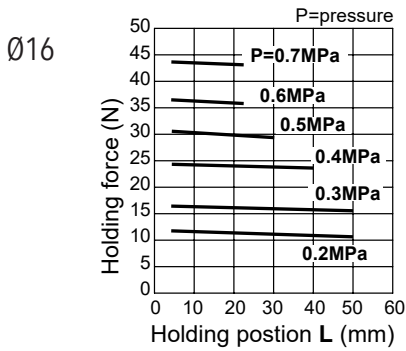
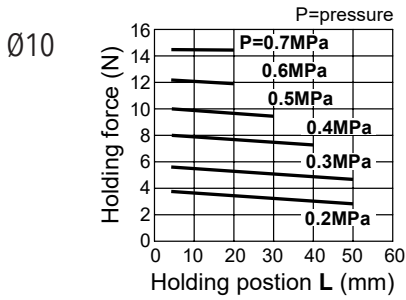
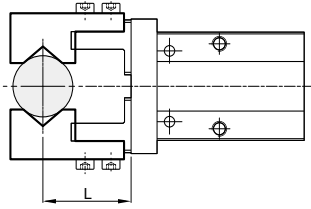
Fluid / Fluide / Fluido	Lubricated or non lubricated air / Air lubrifié ou non lubrifié / Aria con o senza lubrificazione
Operating temperature range / Température d'utilisation / Temp. di esercizio	-20°C / +70°C
Pressure range / Pression d'utilisation / Pressione di utilizzo	2 - 7 bar
Action tolerance / Tolérance d'action / Tolleranza d'azione	± 0.01 mm
Max operating frequency / Fréquence de fonctionnement max. / Max frequenza operativa	180 c.p.m.

COMPONENTS / COMPOSANTS / COMPONENTI

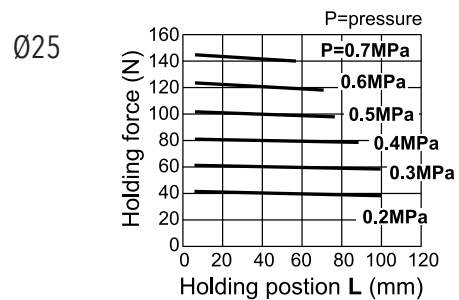
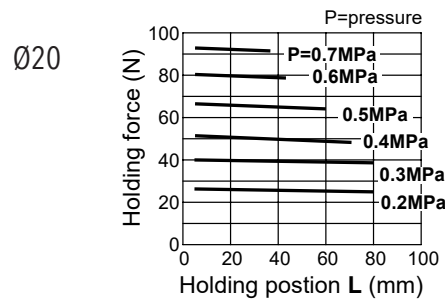
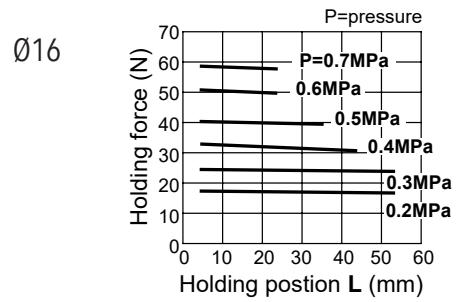
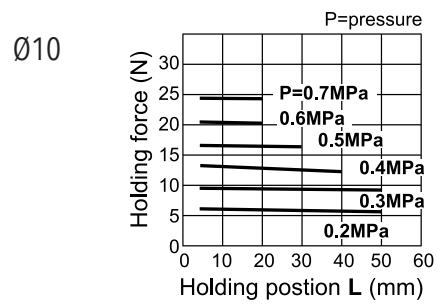
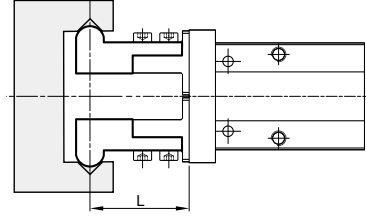


pos. description / description / descrizione	material / matière / materiale
1 body / corps / corpo	aluminium / aluminium / alluminio
2 rod / tige / stelo	aluminium / aluminium / alluminio
3 piston / piston / pistone	aluminium / aluminium / alluminio
4 piston / piston / pistone	aluminium / aluminium / alluminio
5 magnet / aimant / magnete	synthetic rubber / caoutchouc / gomma sintetica
6 rod seals / joint tige / guarn.stelo	NBR
7 seal piston / joints piston / guarnizione pist	NBR
8 screw / vis / vite	steel alloy / alliage d'acier / acciaio
10 bumper / pare-chocs / paracolpi	PU
11 rear cap / fond postérieur / testata post.	aluminium / aluminium / alluminio
12 seal / joints / guarnizione	NBR
13 snap ring / anneau élastique / seeger	steel alloy / alliage d'acier / acciaio
14 driver pin / pivot / perno	stainless steel / acier inox / acciaio inox
16 driver pin / pivot / perno	stainless steel / acier inox / acciaio inox
18 lever / levier / leva	stainless steel / acier inox / acciaio inox
20 finger / doigts / dita	stainless steel / acier inox / acciaio inox
23 guide / guidage / guida	stainless steel / acier inox / acciaio inox

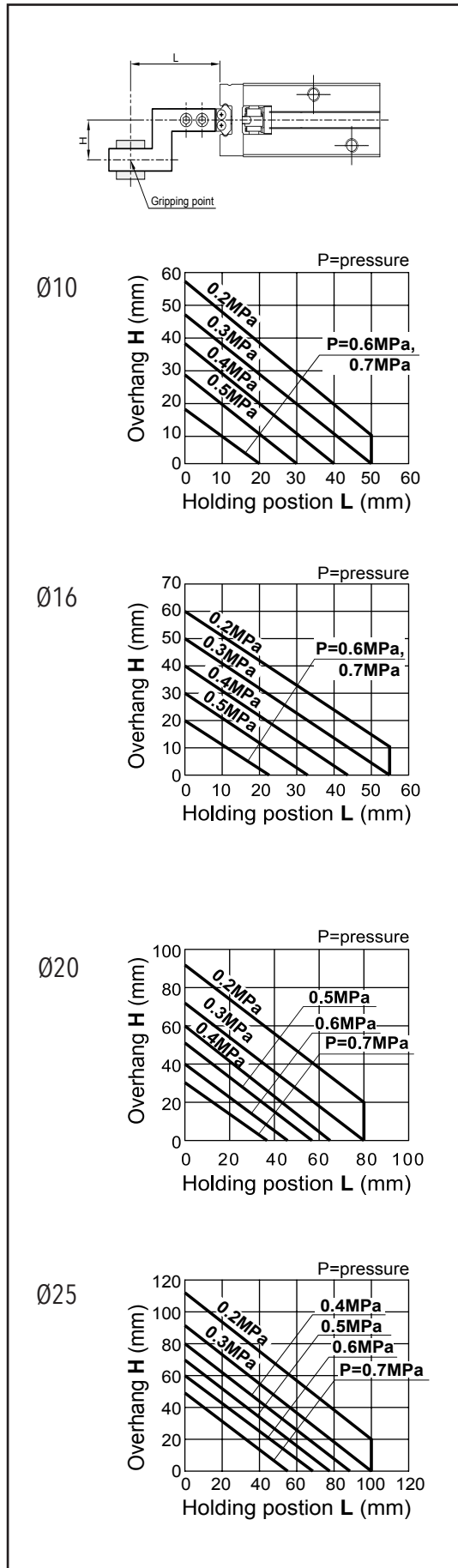
EXTERNAL GRIPPING FORCE  
FORCE DE PRISE EXTERNE  
FORZA DI PRESA ESTERNA



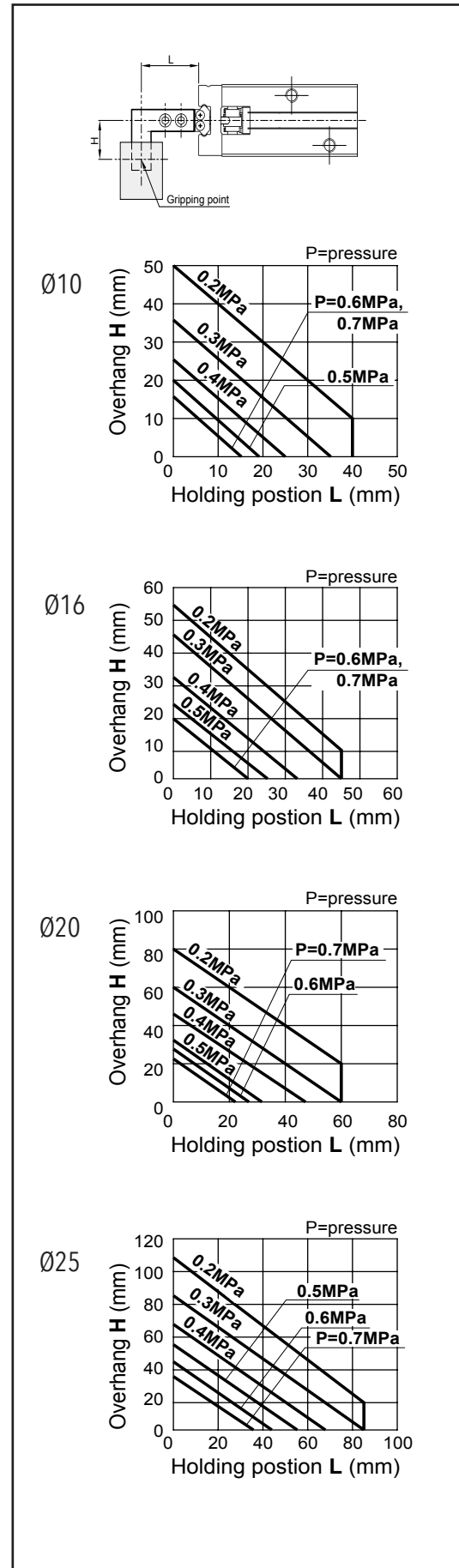
INTERNAL GRIPPING FORCE  
FORCE DE PRISE INTERNE  
FORZA DI PRESA INTERNA

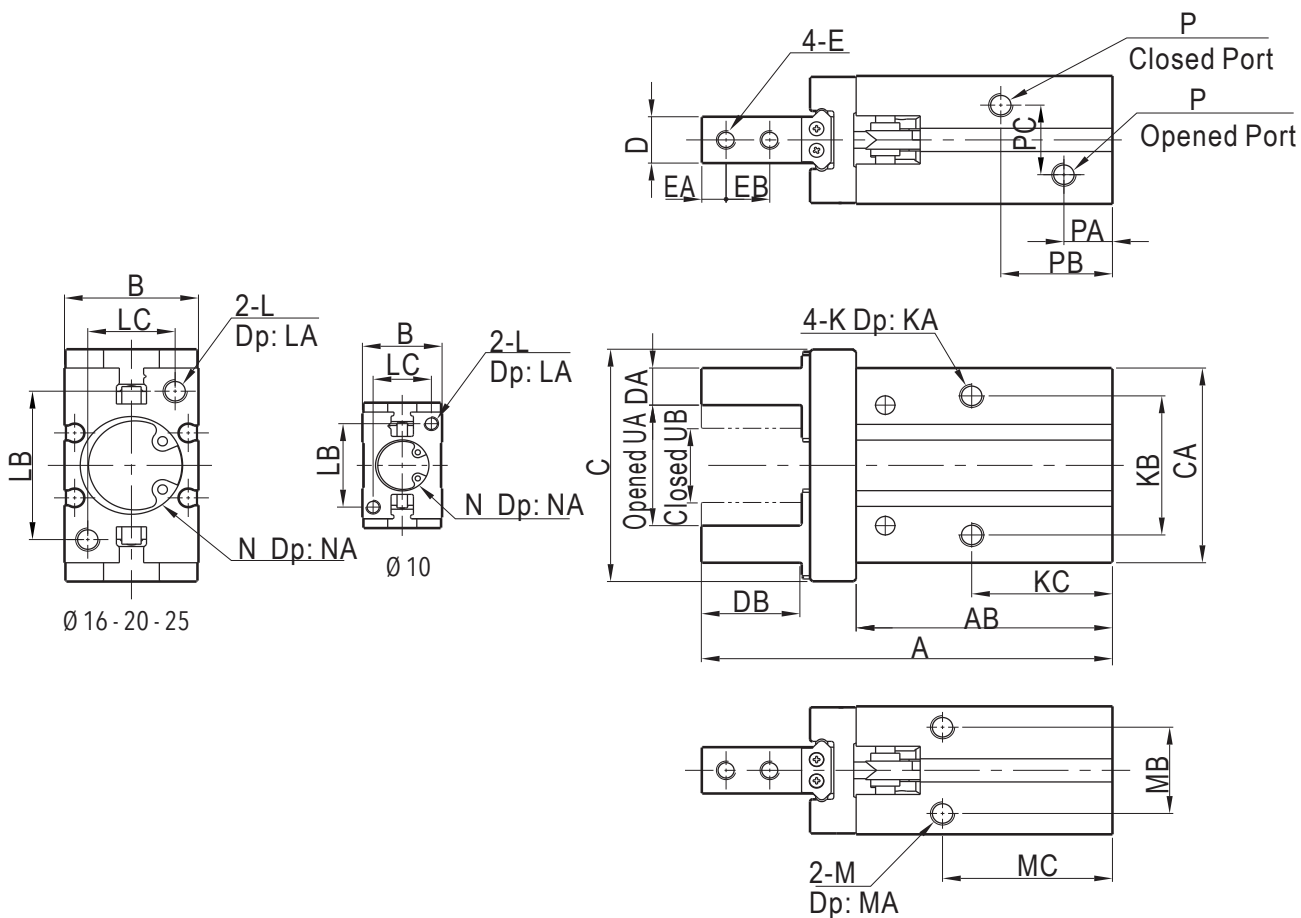


EXTERNAL GRIPPING POINT  
POINT DE PRÉHENSION EXTERNE  
PUNTO DI PRESA ESTERNA



INTERNAL GRIPPING POINT  
POINT DE PRÉHENSION INTERNE  
PUNTO DI PRESA INTERNA

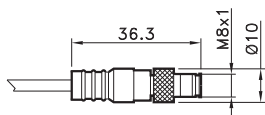
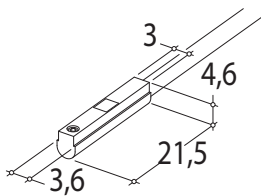




Ø	A	AB	B	C	CA	D	DA	DB	E	EA	EB	K	KA	KB	KC	L	LA	LB	LC
10	57	37.6	16.4	29	23	5	4	12.3	M2.5x0.45	3	5.7	M3x0.5	6	16	23	M3x0.5	6	18	12
16	67.3	42.5	23.6	38	30.6	8	5	15.5	M3x0.5	4	7	M4x0.7	9.5	24	24.5	M4x0.7	8	22	15
20	84.7	52.8	27.6	50	42	10	8	20.7	M4x0.7	5	9	M5x0.8	11.5	30	29	M5x0.8	10	32	18
25	102.7	63.6	33.6	63	52	12	10	25.5	M5x0.8	6	12	M6x1.0	14.5	36	30	M6x1.0	12	40	22

Ø	M	MA	MB	MC	N	NA	P	PA	PB	PC	UA (opened)	UB (closed)
10	M3x0.5	6	11.4	27	Ø11	1.5	M3x0.5	7	18.8	10	14.8	11.4
16	M4x0.7	5.5	16	30	Ø17	1.5	M5x0.8	7.1	18.5	13	20.8	14.8
20	M5x0.8	8	18.6	35	Ø21	2	M5x0.8	8.4	23	15	26	16.2
25	M6x1.0	10	22	36.5	Ø26	2	M5x0.8	9.5	23.5	19.5	33.5	19.2

ROUND SWITCH  
**CAPTEUR ROND**  
SENSORE TONDO



4= black / **noire** / nero  
1= brown / **brun** / marrone  
3= blue / **bleu** / azzurro

**CODE**

<b>AR4018010</b>	REED (MT.2,5) / <b>REED (MT.2,5)</b> / REED (MT.2,5)
<b>AR4018020</b>	HALL (MT.2,5) / <b>HALL (MT.2,5)</b> / HALL (MT.2,5)
<b>AR4018110</b>	REED + M8 (CM 30) / <b>REED + M8</b> / REED + M8 (CM 30)
<b>AR4018120</b>	HALL + M8 (CM 30) / <b>HALL + M8</b> / HALL + M8 (CM 30)

For technical data see page 1.63

**Pour les données techniques, voir page 1.63**

Per i dati tecnici vedere pag. 1.63