GUIDED PARALLEL GRIPPERS
PINCE PARALLÈLE GUIDÉE
PINZE PARALLELE GUIDATE

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*

P S 3 0 0

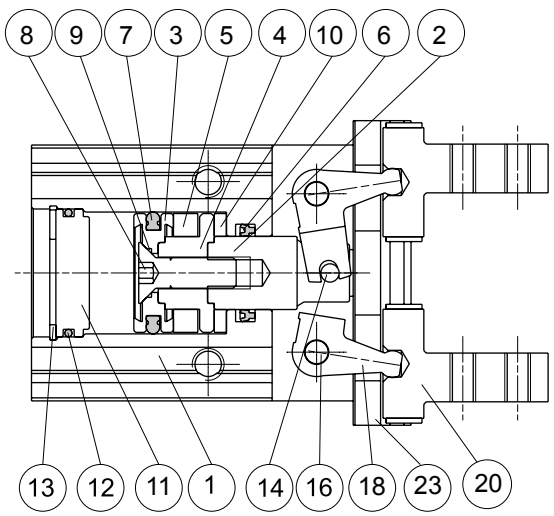
- Ø gripper / **Ø pince** / *Ø pinza*
  10 - 16 - 20 - 25 mm
- 3= Double acting / **Double effet**/ *Doppio effetto*
  5= Single acting open fingers / **Simple effet doigts ouverts** / *Semplice effetto dita aperte*
  6= Single acting closed fingers / **Simple effet doigts fermés** / *Semplice effetto 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)

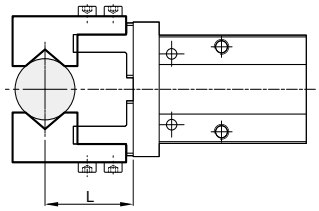
Fluid / **Fluide** / Fluido	Lubricated or non lubricated air / **Air lubrifié ou non lubrifié** / Aria con o senza lubrificazione
Operating temperature range / **Température d'utilisation** / Temp. di esercizio	-20°C / +70°C
Pressure range / **Pression d'utilisation** / Pressione di utilizzo	2 - 7 bar
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*

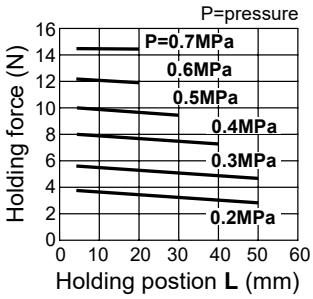


N.	DESCRIPTION / **DESCRIPTION** / *DESCRIZIONE*	MATERIAL / **MATIÈRE** / *MATERIALE*
1	body / **corps** / *corpo*	aluminium / **aluminium** / *alluminio*
2	rod / **tige** / *stelo*	aluminium / **aluminium** / *alluminio*
3	piston / **piston** / *pistone*	aluminium / **aluminium** / *alluminio*
4	piston / **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	srew / **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



Ø10



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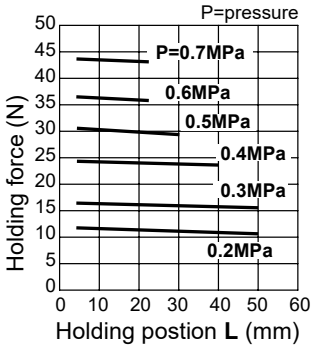

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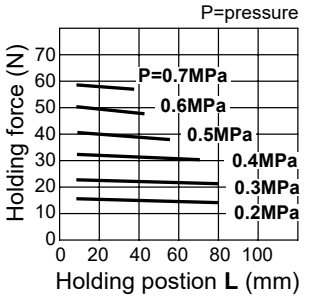

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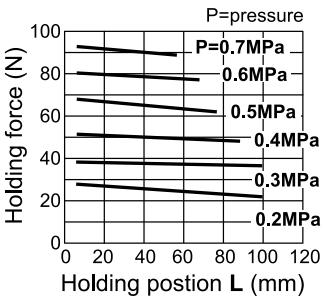
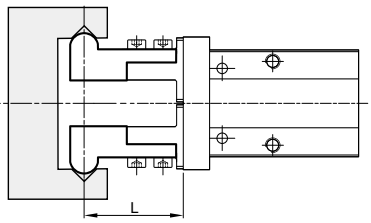


INTERNAL GRIPPING FORCE
FORCE DE PRISE INTERNE
FORZA DI PRESA INTERNA



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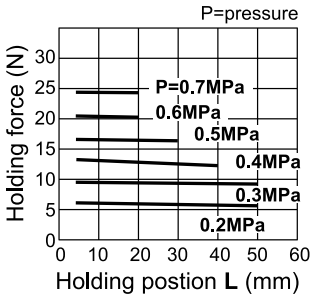

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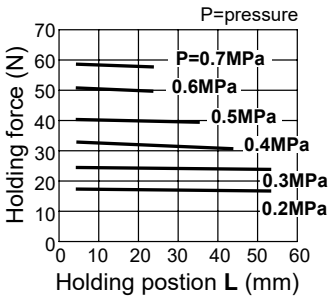

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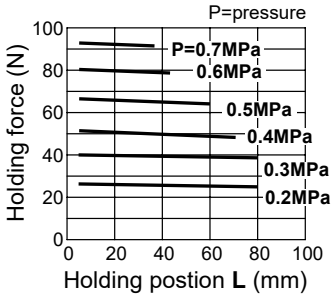

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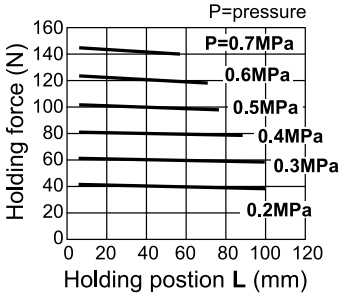
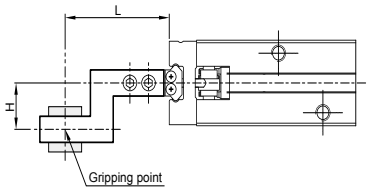


EXTERNAL GRIPPING POINT
POINT DE PRÉHENSION EXTERNE
PUNTO DI PRESA ESTERNA



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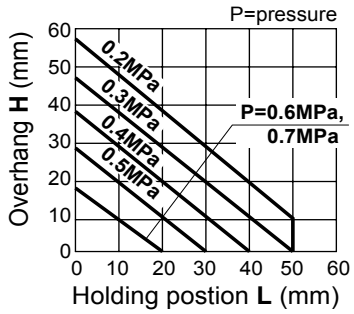

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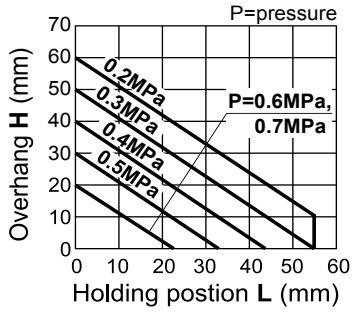

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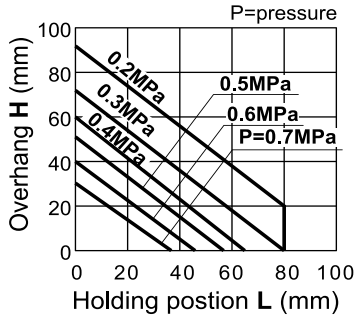

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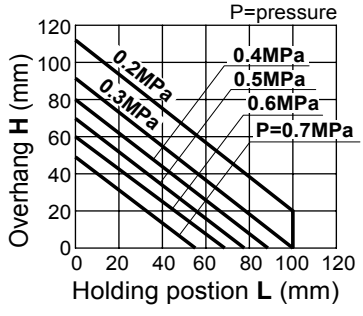
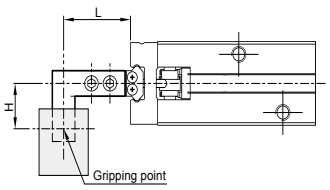


INTERNAL GRIPPING POINT
POINT DE PRÉHENSION INTERNE
PUNTO DI PRESA INTERNA



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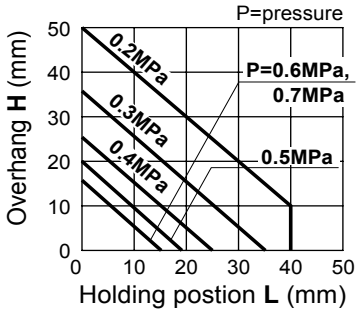

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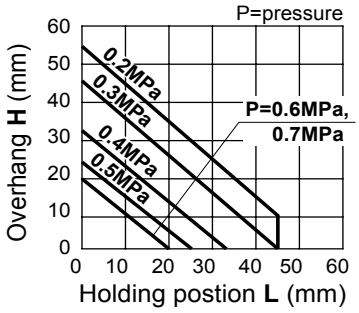

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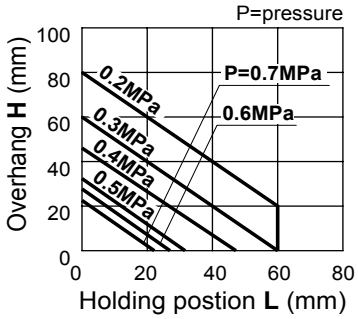

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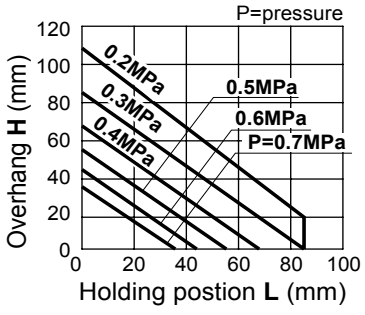
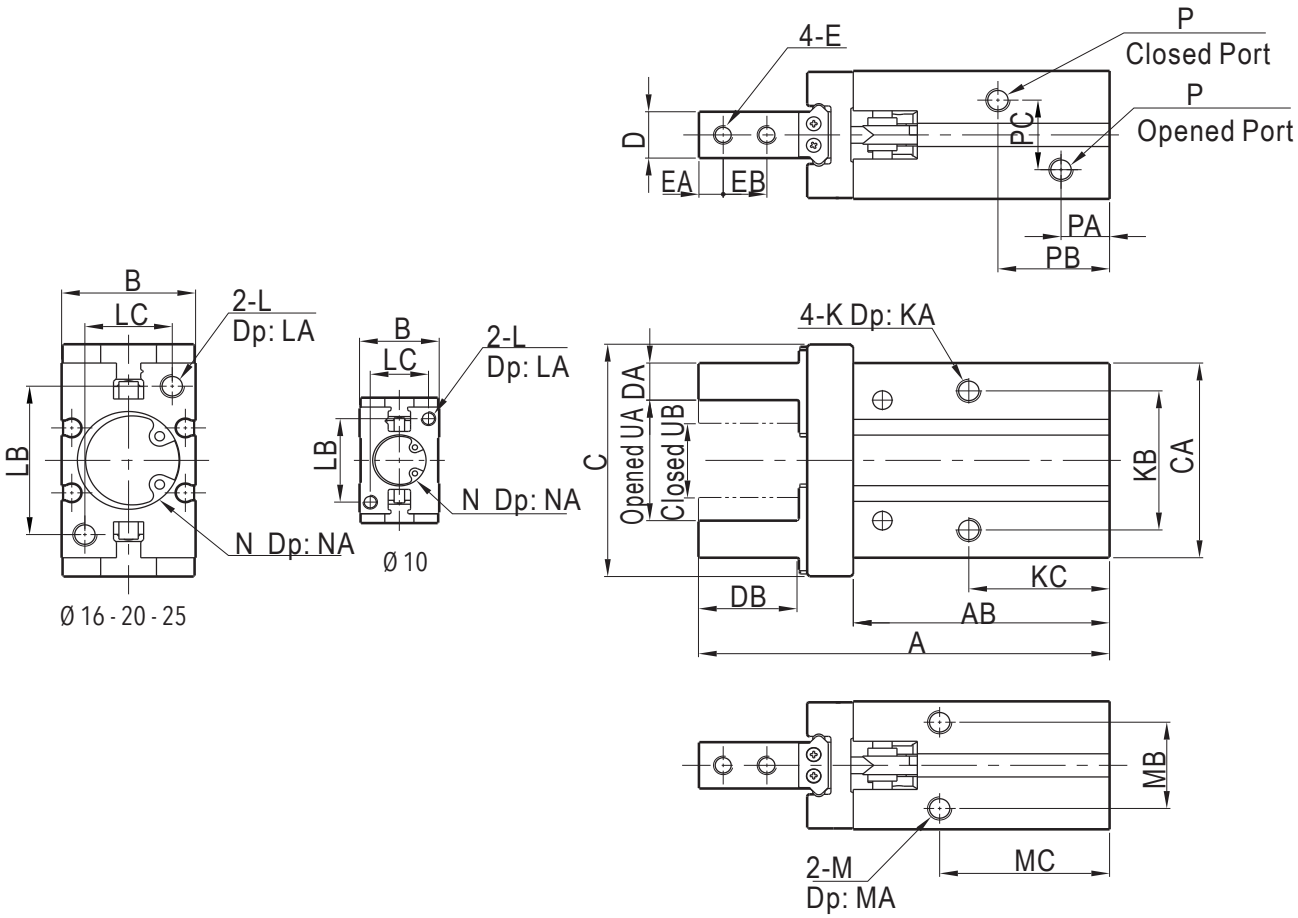
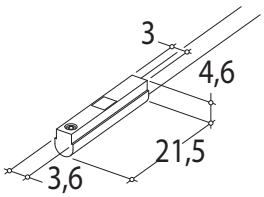


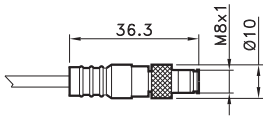


Ø	A	AB	B	C	CA	D	DA	DB	E	EA	EB	K	KA	KB	KC	L	LA	LB	LC
10	57	37.6	16.4	29	23	5	4	12.3	M2.5x0.45	3	5.7	M3x0.5	6	16	23	M3x0.5	6	18	12
16	67.3	42.5	23.6	38	30.6	8	5	15.5	M3x0.5	4	7	M4x0.7	9.5	24	24.5	M4x0.7	8	22	15
20	84.7	52.8	27.6	50	42	10	8	20.7	M4x0.7	5	9	M5x0.8	11.5	30	29	M5x0.8	10	32	18
25	102.7	63.6	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	
AR4018010	REED (MT.2,5) / **REED (MT.2,5)** / *REED (MT.2,5)*
AR4018020	HALL (MT.2,5) / **HALL (MT.2,5)** / *HALL (MT.2,5)*
AR4018110	REED + M8 (CM 30) / **REED + M8** / *REED + M8 (CM 30)*
AR4018120	HALL + M8 (CM 30) / **HALL + M8** / *HALL + M8 (CM 30)*

For technical data see page 1.75
Pour les données techniques, voir page 1.75
Per i dati tecnici vedere pag. 1.75