Airwork's angular pneumatic grippers are the right solution for simple manipulation applications while maintaining a very compact design to reduce as much as possible their overall dimensions.
Thanks to the possibility to assemble them in different positions, they can be used for several applications.
Moreover, there's the possibility to insert a round magnetic switch in each of the four side surfaces.

Les pinces pneumatiques angulaires d'Airwork sont idéales pour des applications de manipulation simple, avec un design très compact pour garder leur petite dimension. Grâce à la possibilité d'assemblage dans différentes positions, elles peuvent être utilisées pour plusieurs applications.
Un capteur magnétique rond peut être insérer dans chacune des quatre surfaces latérales.

Le pinze pneumatiche ad apertura angolare di Airwork rappresentano la soluzione giusta per applicazioni di manipolazione semplice ma con la necessità di ridurre al massimo gli ingombri.
Grazie alla possibilità di montaggio in diverse posizioni, rispondono alle esigenze di impiego più svariate. Inoltre è possibile inserire il sensore magnetico tondo su tutte le facciate della pinza.

ORDERING CODE / **CODIFICATION** / *CHIAVE DI CODIFICA*

P A 3 0 0

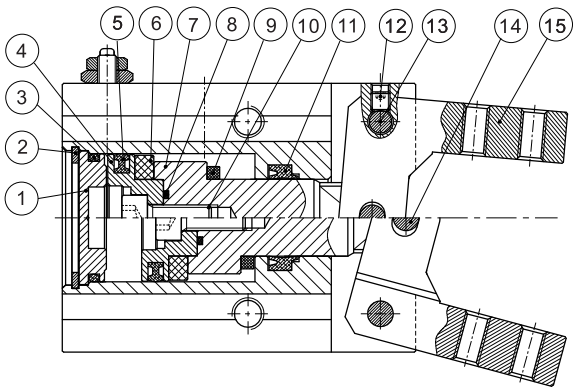
Ø gripper / **Ø pince** / *Ø pinza*
10 - 16 - 20 - 25 mm

VERSION / **VERSION** / *VERSIONE*
3= Double acting / **Double effet**/ *Doppio effetto*
5= Single acting open fingers / **Simple effet doigts ouverts** / *Semplice effetto dita aperte*

TECHNICAL DATA / **DONNÉES TECHNIQUES** / *DATI TECNICI*

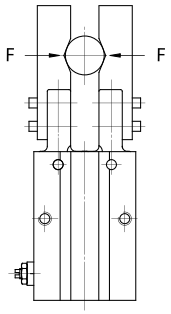
Standard bore / **Taille standard** / *Taglie standard*	Ø 10 - 16 - 20 - 25 mm
Fluid / **Fluide** / Fluido	Lubricated or non lubricated air / **Air lubrifié ou non lubrifié** / Aria con o senza lubrificazione
Operating temperature range / **Température d'utilisation** / Temp. di esercizio	-10°C / +80°C
Pressure range / **Pression d'utilisation** / Pressione di utilizzo	2 - 7 bar
Action tolerance / **Tolérance d'action** / Tolleranza d'azione	± 0.1mm
Max operating frequency / **Fréquence de fonctionnement max.** / Max frequenza operativa	180 c.p.m.

COMPONENTS / **COMPOSANTS** / *COMPONENTI*

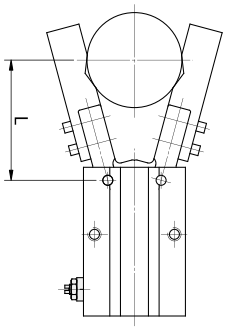


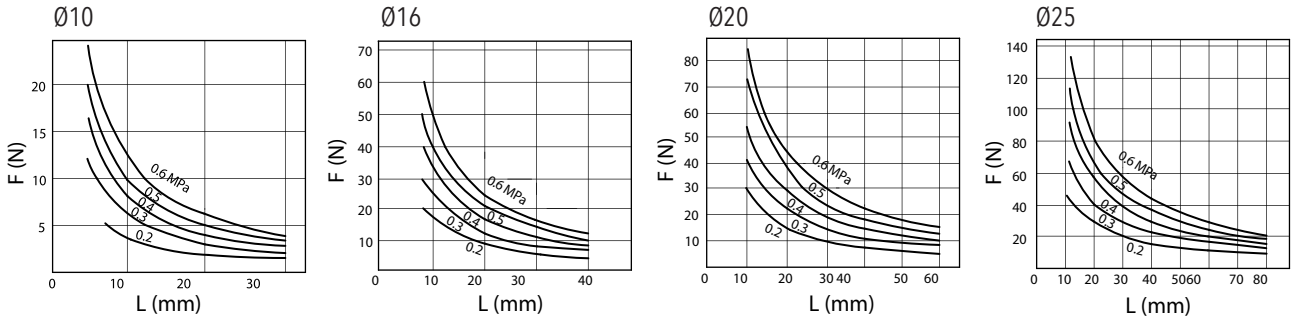
pos.	description / **description** / *descrizione*	material / **matière** / *materiale*
1	rear cap / **fond arrière** / *testata post.*	aluminium / **aluminium** / *alluminio*
2	snap ring / **anneau élastique** / seeger	steel alloy / **Alliage d'acier** / *acciaio*
3	O-ring / **joint torique** / O ring	NBR
4	piston / **piston** / *pistone*	aluminium / **aluminium** / *alluminio*
5	seal piston / **joints piston** / *guarnizione pist.*	NBR
6	magnet / **aimant** / *magnete*	synthetic rubber / **caoutchouc** / *gomma sintetica*
7	piston rod / **tige** / *stelo*	aluminium / **aluminium** / *alluminio*
8	O-ring / **joint torique** / O ring	NBR
9	bumper / **pare-choc** / para colpi	PTEE
10	screw / **vis** / vite	steel alloy / **Alliage d'acier** / *acciaio*
11	seal / **joints** / *guarnizione*	NBR
12	screw / **vis** / vite	steel alloy / **Alliage d'acier** / *acciaio*
13	pin / **pivot** / *perno*	stainless steel / **acier inox** / *acciaio inox*
14	pin / **pivot** / *perno*	stainless steel / **acier inox** / *acciaio inox*
15	finger / **doigt** / *dito*	steel alloy / **Alliage d'acier** / *acciaio*

Effective holding force
Force de prise effective
Forza di presa



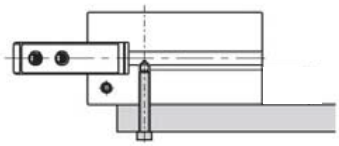
Holding point
Point de prise
Punto di presa





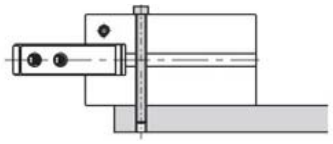
INSTALLATION / **INSTALLATION** / *INSTALLAZIONE*

Horizontal with screws in grip on body
Horizontal avec vis en prise sur le corps
Orizzontale con viti in presa su corpo



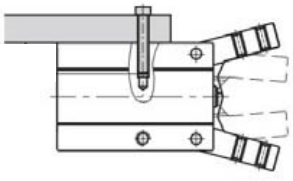
	Bolt Size **Taille de vis** *Dimensione vite*	*Max.Locking Torque* **Max. Couple de verrouillage** *Max. Coppia di bloccaggio*
Ø10	M3x0.5	0.69 Nm
Ø16	M4x0.7	2.1 Nm
Ø20	M5x0.8	4.3 Nm
Ø25	M6x1.0	7.3 Nm

Horizontal with through screws
Horizontal avec vis traversantes
Orizzontale con viti passanti



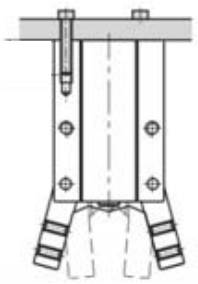
	Bolt Size **Taille de vis** *Dimensione vite*	*Max.Locking Torque* **Max. Couple de verrouillage** *Max. Coppia di bloccaggio*
Ø10	M2.5x0.45	0.49 Nm
Ø16	M3x0.5	0.88 Nm
Ø20	M4x0.7	2.1 Nm
Ø25	M5x0.8	4.3 Nm

In coast with screws in grip on body
En côte avec vis en prise sur le corps
In costa con viti in presa su corpo

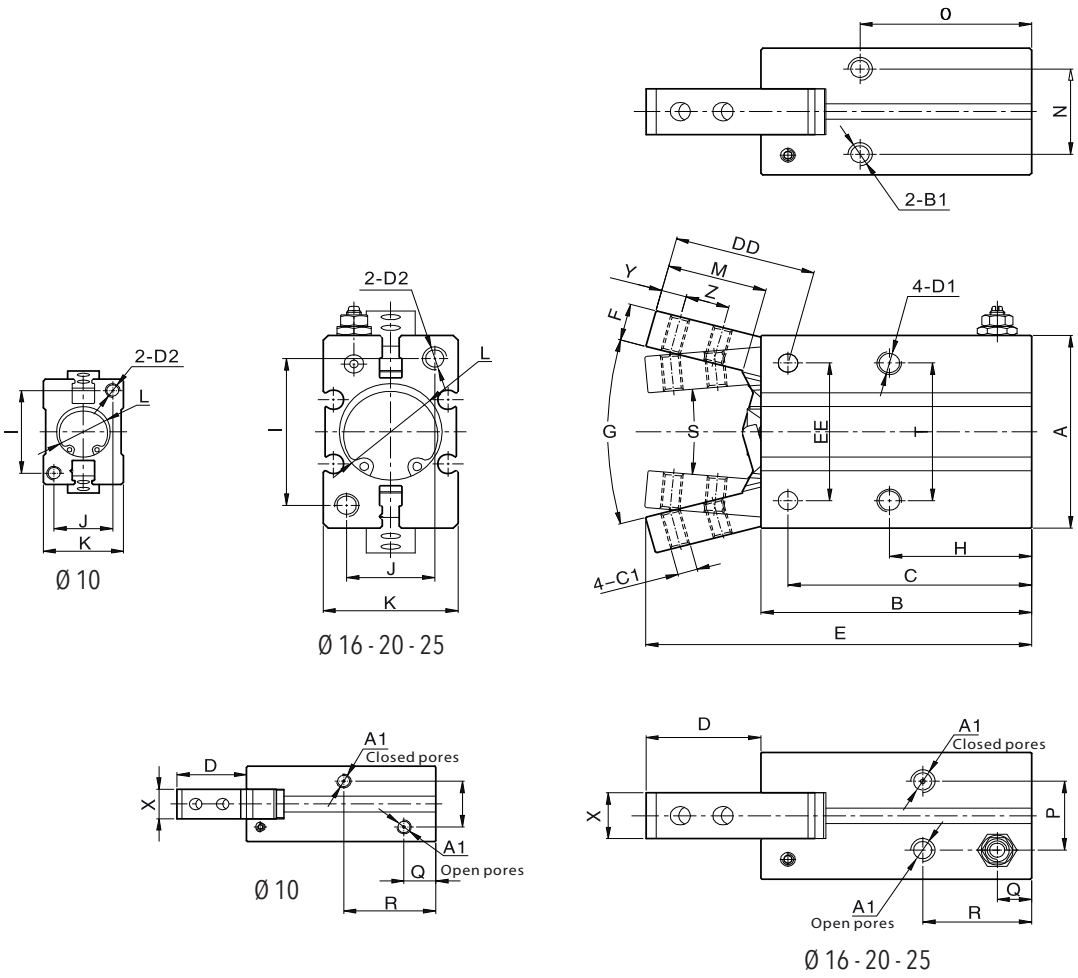


	Bolt Size **Taille de vis** *Dimensione vite*	*Max.Locking Torque* **Max. Couple de verrouillage** *Max. Coppia di bloccaggio*
Ø10	M3x0.5	0.88 Nm
Ø16	M4x0.7	1.6 Nm
Ø20	M5x0.8	3.3 Nm
Ø25	M6x1.0	5.9 Nm

Vertically with screws in grip on body
Verticalement avec vis en prise sur le corps
In verticale con viti in presa su corpo



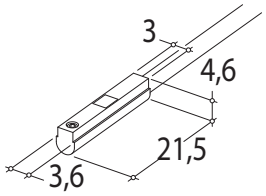
	Bolt Size **Taille de vis** *Dimensione vite*	*Max.Locking Torque* **Max. Couple de verrouillage** *Max. Coppia di bloccaggio*
Ø10	M3x0.5	0.88 Nm
Ø16	M4x0.7	2.1 Nm
Ø20	M5x0.8	4.3 Nm
Ø25	M6x1.0	7.3 Nm

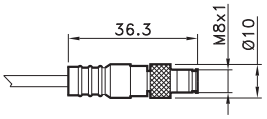


Ø	A	A1	B	B1	C	C1	D	DD	D1	D2	E	EE	F	G	H	I	J
10	23	M3x0.5	38.6	M3x0.5 depth 6	35.8	M2x0.45	14.2	17.2	M3x0.5 depth 6	M3x0.5 depth 6	52.8	14	4	30°	23	18	12
16	30.6	M5x0.8	44.6	M4x0.7 depth 5.5	39.7	M3x0.5	18.9	23.6	M4x0.7 depth 9.5	M4x0.7 depth 8	63.5	24	7	30°	24.5	22	15
20	42	M5x0.8	55.2	M5x0.8 depth 8	49.7	M4x0.7	23.5	29	M5x0.8 depth 11.5	M5x0.8 depth 10	78.7	30	8	30°	29	32	18
25	52	M5x0.8	60.4	M6x1.0 depth 10	54.8	M5x0.8	32.8	38.5	M6x1.0 depth 14.5	M6x1.0 depth 12	93.2	36	10	30°	30	40	22

Ø	K	L	M	N	O	P	Q	R	S	T	X	Y	Z
10	16.4	Ø11 depth 1.5	12.5	11.4	27	10	6.5	18.8	10°	16	6.4	3	5.7
16	23.6	Ø17 depth 1.5	16.5	16	30	13	6.5	18.3	10°	24	8	4	7
20	27.6	Ø21 depth 1.5	20.5	18.6	35	15	7	22.2	10°	30	10	5.2	9
25	33.6	Ø26 depth 1.5	27.5	22	36.5	19.5	7.4	23.5	10°	36	12	8	12

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 1.63
Pour les données techniques, voir page 1.63
Per i dati tecnici vedere pag. 1.63