PARALLEL GRIPPERS WITH 3 FINGERS
PINCES PARALLÈLES AVEC 3 DOIGTS
PINZE PARALLELE A 3 GRIFFE

Used to manipulate round components, these grippers guarantee an high precision thanks to the synchronizes closure of the three gripping jaws and to the prismatic guides system.
Ideal for specific sectors like pick-and-place (P&Ps), machines tools interlocking and many other fields, grippers of PX series cover all different exigencies of modern industrial automation, thanks to their compact dimensions.

Utilisées par la manipulation des composants ronds, ces pince peuvent garantir en haute précision grâce aux mouvements synchronisés du mâchoires et au système de guidage prismatique.
Idéales par secteurs spécifiques comme pick-and-place (P&Ps), machines-outils emboîtables et beaucoup d'autre utilisations, les pinces de la série PX couvrent toutes les exigences différentes de l'automatisation industrielle moderne, grâce à leurs dimensions compactes.

Utilizzate per la manipolazione di pezzi tondi, queste pinze garantiscono un grande precisione grazie alla chiusura sincronizzata delle tre dita di presa e al sistema prismatico delle guide.
Ideale per settori come pick-and-place (P&Ps), asservimento macchine utensili e tanti altri settori, le pinze della serie PX rispondono a tutte le esigenze dell'automazione industriale moderna, grazie all'estrema compattezza degli ingombri.

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

P X 3 0 0

- 3 → Ø gripper / **Ø pince** / *Ø pinza*: 16 - 20 - 25 - 32 - 40 - 50 - 63 mm
- 0 → 3= double acting / **double effet**/ *doppio effetto*
- 0

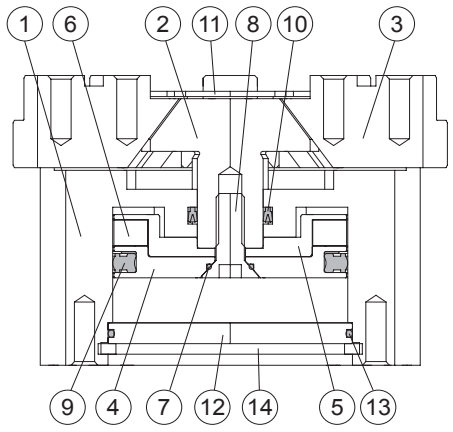
STANDARD BORE / **TAILLE STANDARD** / *TAGLIE STANDARD*

Bore	Force external grip (N) at 5 bar	Force internal grip (N) at 5 bar	Weight (g)
Ø16	14	16	80
Ø20	25	28	110
Ø25	42	47	140
Ø32	74	82	237
Ø40	118	130	351
Ø50	187	204	541
Ø63	335	359	1020

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

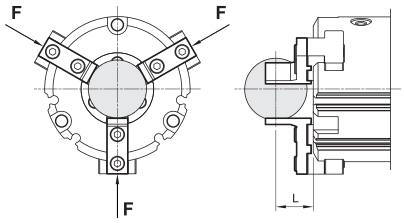
Fluid / **Fluide** / Fluido	Lubricated or non lubricated air / **Air lubrifié ou non lubrifié** / Aria con o senza lubrificazione
Operating temperature range / **Température d'utilisation** / Temp. di esercizio	-10C° / +60C°
Pressure range / **Pression d'utilisation** / Pressione di utilizzo	2 - 7 bar
Action tolerance / **Tolérance d'action** / Tolleranza d'azione	± 0.01 mm
Max operating frequency / **Fréquence de fonctionnement max.** / Max frequenza operativa	Ø16 -Ø20 -Ø25=120 c.p.m. / Ø32-Ø40 Ø50 Ø63=60 c.p.m

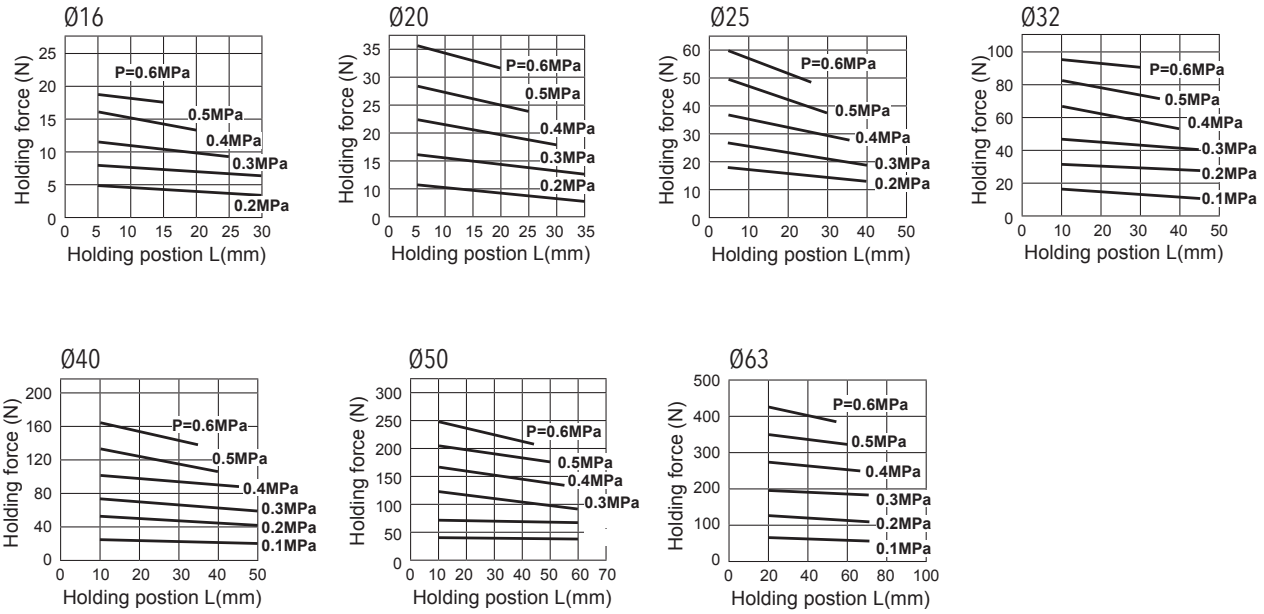
COMPONENTS / **COMPOSANTS** / *COMPONENTI*



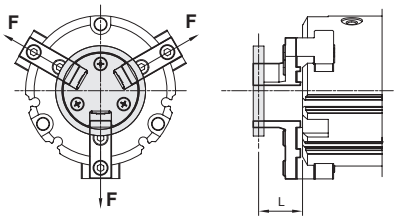
pos.	description / **description** / *descrizione*	material / **matériel** / *materiale*
1	body / **corp** / *corpo*	aluminium / **aluminium** / *alluminio*
2	lever / **levier** / *leva*	steel / **acier** / *acciaio*
3	guide / **guidage** / *guida*	steel / **acier** / *acciaio*
4	piston / **piston** / pistone	aluminium / **aluminium** / *alluminio*
5	piston / **piston** / pistone	aluminium / **aluminium** / *alluminio*
6	magnet / **aimant** / *magnete*	magnetic material / **matériau magn.** / *materiale mag.*
7	O-ring	NBR
8	srew / **vis** / *vite*	steel / **acier** / *acciaio*
9	seal / **joint** / *guarnizione*	NBR
10	seal / **joint** / *guarnizione*	NBR
11	cover / **couverturer** / *coperchio*	stainless steel / **acier inox** / *acciaio inox*
12	rear cap / **fond postérieur** / *testata post*	aluminium / **aluminium** / *alluminio*
13	O-ring	NBR
14	snap ring / **seeger** / *seeger*	steel / **acier** / *acciaio*

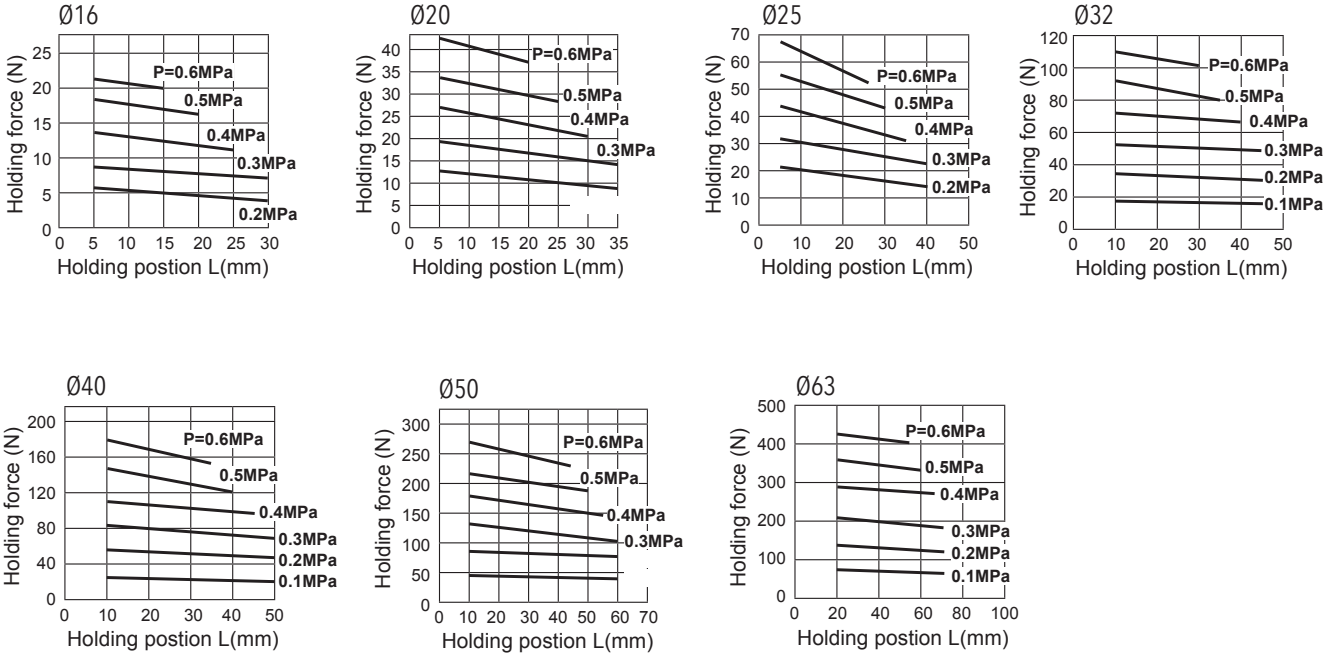
External gripping force
Force de préhension externe
Forza di presa esterna

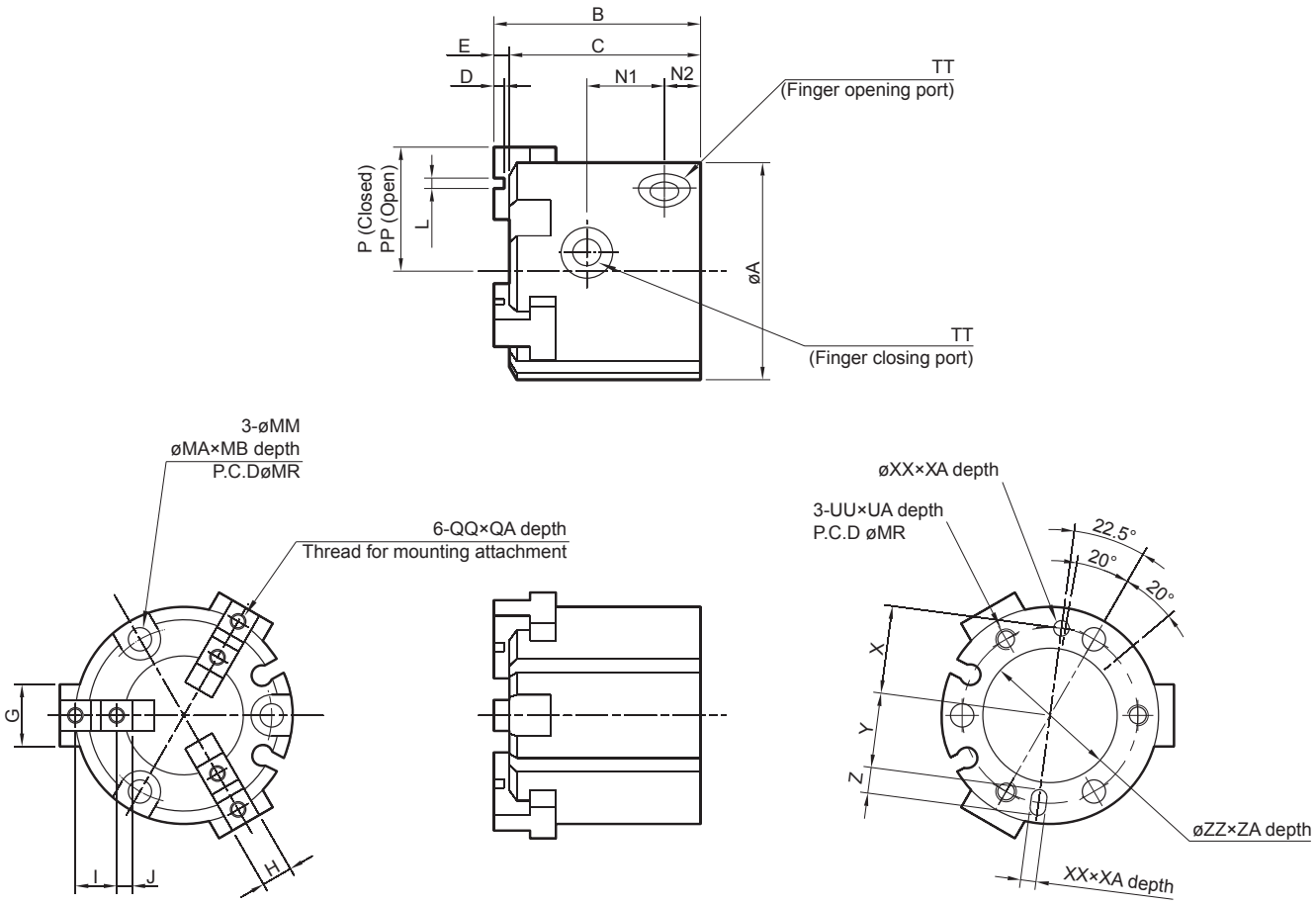




Internal gripping force
Force de préhension interne
Forza di presa interna

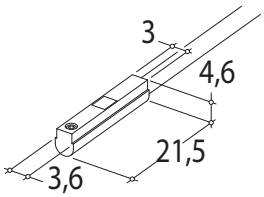


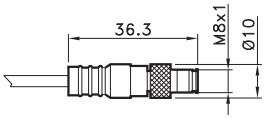




Ø	A	B	C	D	E	G	H	I	J	L	MA	MB	MM	MR	N1	N2	P	PP	QA	QQ	TT	UA
16	30	35	32	2 $^{+0.2}_{0}$	3	8	5 $^{-0.01}_{-0.03}$	6	2	2 $^{+0.04}_{+0.01}$	6	6	3.4	25	10	7	5	7	5	M3x0.5	M3x0.5	6
20	36	39	36	2 $^{+0.2}_{0}$	3	10	6 $^{-0.01}_{-0.03}$	7	2.5	2 $^{+0.04}_{+0.01}$	6	6	3.4	29	13	7	6	8	5	M3x0.5	M5x0.8	6
25	42	41	38	2 $^{+0.2}_{0}$	3	12	6 $^{-0.01}_{-0.03}$	8	3	2 $^{+0.04}_{+0.01}$	8	9	4.5	34	14.5	7.5	7	10	5	M3x0.5	M5x0.8	8
32	52	45	42	2 $^{+0.2}_{0}$	3	14	8 $^{-0.01}_{-0.03}$	11	4.5	2 $^{+0.04}_{+0.01}$	8	9	4.5	44	16	8.5	8	12	8	M4x0.7	M5x0.8	8
40	62	49	46	2 $^{+0.2}_{0}$	3	16	8 $^{-0.01}_{-0.03}$	12	4.5	3 $^{+0.04}_{+0.01}$	9.5	9	5.5	53	17.5	9.5	10	14	8	M4x0.7	M5x0.8	10
50	70	57	54	2 $^{+0.2}_{0}$	3	18	10 $^{-0.01}_{-0.03}$	14	5	4 $^{+0.04}_{+0.01}$	9.5	12	5.5	62	21	9.5	11	17	9	M5x0.8	M5x0.8	10
63	86	68	64	3 $^{+0.2}_{0}$	4	24	12 $^{-0.01}_{-0.03}$	17	5.5	6 $^{+0.04}_{+0.01}$	11	14	6.6	76	24	12	15	23	9	M5x0.8	M5x0.8	12

Ø	UU	X	XA	XX	Y	Z	ZA	ZZ
16	M3x0.5	12.5	2	2 $^{+0.04}_{+0.01}$	11	3	1.5	17 $^{+0.05}_{0}$
20	M3x0.5	14.5	2	2 $^{+0.04}_{+0.01}$	13	3	1.5	21 $^{+0.05}_{0}$
25	M4x0.7	17	3	3 $^{+0.04}_{+0.01}$	14.5	5	1.5	26 $^{+0.05}_{0}$
32	M4x0.7	22	3	3 $^{+0.04}_{+0.01}$	19.5	5	2	34 $^{+0.05}_{0}$
40	M5x0.8	26.5	4	4 $^{+0.04}_{+0.01}$	23.5	6	2	42 $^{+0.05}_{0}$
50	M5x0.8	31	4	4 $^{+0.04}_{+0.01}$	28	6	2	52 $^{+0.05}_{0}$
63	M6x1.0	38	5	5 $^{+0.04}_{+0.01}$	34.5	7	2.5	65 $^{+0.05}_{0}$





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

ROUND SWITCH / **CAPTEUR ROUND** / *SENSORE TONDO*

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 1.58
Pour les données techniques, voir page 1.58
Per i dati tecnici vedere pag. 1.58