CYLINDERS ISO 15552 - CF AND CG SERIES
VERINS ISO 15552 - SERIE CF ET CG
CILINDRI ISO 15552 - SERIE CF E CG

New CF and CG series cylinders ISO 15552 made by Airwork represent the new generation of ISO cylinders.
Thanks to the usage of innovative materials and a construction philosophy at the forefront, this cylinder stays at the top of the category. Lightness, strength and precision, are the main features of this new Airwork product.

Les nouveaux cylindres ISO 15552 série CF et CG de Airwork, représentent la nouvelle génération de cylindres ISO qui, grâce à l'utilisation de matériaux innovants et à une philosophie de construction à l'avant-garde, met ce cylindre au sommet de la catégorie. Légèreté, solidité et précision sont les principales caractéristiques de ce nouveau produit de la maison Airwork.

I nuovi cilindri ISO 15552 serie CF e CG di Airwork, rappresentano la nuova generazione di cilindri ISO che grazie all'utilizzo di materiali innovativi e ad una filosofia costruttiva all'avanguardia, pone questo cilindro ai vertici della categoria. Leggero, robusto e preciso, sono le principali caratteristiche di questo nuovo prodotto di casa Airwork.

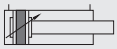
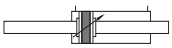
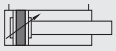
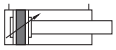
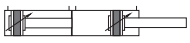
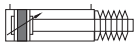
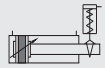
ORDERING CODE / **CODIFICATION** / *CHIAVE DI CODIFI*

C F 0 0 1 0 0 0 0 0 0 0

- Stroke / **Course** / *Corsa*
- Ø cylinder / **Ø vérin** / *Ø cilindro*

On request Atex version:
Sur demande version Atex:
Su richiesta versione Atex:
Ex II 2G Ex h II c T6 Gb
Ex II 2D Ex h III c T80°C Db

VERSION / **VERSION** / *VERSIONE*

01	Double acting magnetic cushioned **Double effet magnétique amorti** *Doppio effetto magnetico ammortizzato*	
03	Through rod magnetic cushioned **Tige traversante magnétique amorti** *Stelo passante magnetico ammortizzato*	
05	For rod lock BS series **Sur longueur pour bloqueur BS** *Con extrastelo per bloccastelo BS*	
07	With inox rod **Tige inox** *Con stelo inox*	
21	Tandem double push **Tandem double poussée** *Tandem doppia spinta*	
23	Tandem double stroke **Tandem double course** *Tandem doppia corsa*	
25	Tandem contrasted **Tandem opposé** *Tandem contrapposti*	
31	With rubber bellow **Avec soufflet** *Con soffietto*	
33	With rod lock BS assembled / **avec blo-** **Queur de tige BS monté** *Con bloccastelo serie BS montato*	

For other versions, please contact our sales department.
Pour les autres versions, veuillez contacter notre service commercial.
Per altre versioni, contattare il nostro ufficio commerciale.

SERIES / **SÉRIES** / *SERIE*

CF	CF series profile / **Profil de la série CF** / *Profilo serie CF*
CG	Round tube and tie rods series CG / **Tube rond et tirants série CG** *Tubo tondo e tiranti serie CG*

SEALS / **JOINTS** / *GUARNIZIONI*

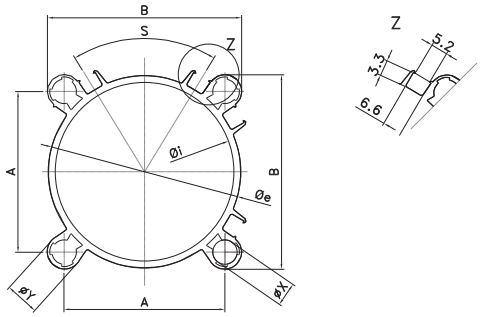
1	Standard **Standard** *Standard*	Polyurethane / **Polyuréthane** / *Poliuretano* (-20°C +80°C)
3	High temperature **Haute température** *Alta temperatura*	Viton / **Viton** / *Viton* (-10°C +150°C)
4	Heavy use **Utilisation lourde** *Uso pesante*	Polyurethane / **Polyuréthane** / *Poliuretano* (-20°C +80°C)
6	High temperature **Haute température** *Alta temperatura*	Viton on the rod / **Viton sur la tige** / *Viton sullo stelo* (-10°C +150°C)
8	Low temperature **Basse température** *Bassa temperatura*	Polyurethane / **Polyuréthane** / *Poliuretano* (-40°C +80°C)
M	*Extreme use* **Utilisation extrême** *Uso estremo*	Metal scraper / **Racleur métal** / *Guarnizione metallica* (-20°C +80°C)

For details see next page / **Pour plus de détails, voir la page suivante** / *Per i dettagli vedi pagina seguente*

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

Sizes / **Alésage** / *Alesaggi*	Ø32-40-50-63-80-100
Standard strokes / **Course standard** / *Corse standard*	mm 25 - 50 - 80 - 100 - 125 - 160 - 200 - 250 - 320 - 350 - 400 - 500 - 600 - 700 - 800 - 900 - 1000
Fluid / **Fluide** / *Fluido*	Lubricated or non lubricated air / **Air lubrifié ou non** / *Aria con o senza lubrificazione*
Operating temperature range / **Température d'utilisation** / *Temperatura di esercizio*	(-20°C +80°C) (-10°C +150°C) (-40°C +80°C)
Max operating pressure / **Pression max d'utilisation** / *Pressione massima di esercizio*	10 bar
Force / **Force** / *Forze sviluppate*	Technical informations page / **Page informations techniques** / *Pagina dati tecnici*
Air consumption / **Consommation d'air** / *Consumo aria*	Technical informations page / **Page informations techniques** / *Pagina dati tecnici*

CF SERIES TUBE PROFILE / **PROFIL DE TUBE SÉRIE CF** / *PROFILO TUBO SERIE CF*



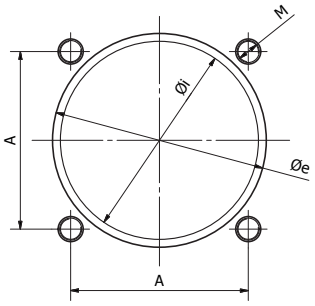
DIMENSIONS / **DIMENSIONS** / *DIMENSIONI*

Øi	Øe	A	B	ØX	ØY	S
32^{H11}	36	32.5	42.5	5.4	10	46°
40^{H11}	44.2	38	48	5.4	10	51°
50^{H11}	54.4	46.5	59.5	7.4	13	54°
63^{H11}	67.7	56.5	69.5	7.4	13	61°
80^{H11}	85.5	72	86	9.1	14	65°
100^{H12}	105.5	89	105.5	9.1	16.5	68°

WEIGHTS / **POIDS** / *PESI*

Ø	weight (gr) stroke 0mm	weight (gr) for mm
32	522	2,08
40	751	2,98
50	1130	4,28
63	1526	4,86
80	2300	6,72
100	3255	7,86

CG SERIES TUBE PROFILE / **PROFIL DE TUBE SÉRIE CG** / *PROFILO TUBO SERIE CG*



DIMENSIONS / **DIMENSIONS** / *DIMENSIONI*

Øi	Øe	A	M
32^{H11}	36	32.5	M6
40^{H11}	45	38	M6
50^{H11}	55	46.5	M8
63^{H11}	68	56.5	M8
80^{H11}	86	72	M10
100^{H12}	106	89	M10

WEIGHTS / **POIDS** / *PESI*

Ø	weight (gr) stroke 0mm	weight (gr) for mm
32	558	2,34
40	800	3,38
50	1217	5,18
63	1612	5,52
80	2487	8,46
100	3417	8,98

SEALS / **JOINTS** / *GUARNIZIONI*

CODE	PHOTO **PHOTO** *FOTO*	SEALS **JOINTS** *GUARNIZIONI*	*MATERIAL - TEMPERATURE* **MATÉRIEL - TEMPÉRATURE** *MATERIALE - TEMPERATURA*	*FEATURES* **CARACTÉRISTIQUES** *CARATTERISTICHE*
1		Standard **Standard** *Standard*	Polyurethane **Polyuréthane** *Poliuretano* (-20°C +80°C)	These are the seals that are mounted on the standard version for a trouble-free use. **Ce sont les joints qui sont montés sur la version standard pour une utilisation sans problème.** *Sono le guarnizioni che vengono montate sulla versione standard per un utilizzo senza problematiche.*
3		High temperature **Haute température** *Alta temperatura*	Viton **Viton** *Viton* (-10°C +150°C)	Solution indicated in the presence of both peaks and constant heat. **Solution indiquée en présence de pics de chaleur et de chaleur constante.** *Soluzione indicata in presenza sia di picchi che di calore costante.*
4		Heavy use **Utilisation lourde** *Uso pesante*	Polyurethane **Polyuréthane** *Poliuretano* (-20°C +80°C)	Seal for severe use such as: dirt of various types, adhesive material, grease etc. **Joint pour une utilisation sévère comme: saleté de divers types, matériel adhésif, graisse etc.** *Guarnizione per utilizzo severo come: sporcizia di vario tipo, materiale adesivo, grasso ecc.*
6		high temperature **haute température** *alta temperatura*	viton only on the rod **viton uniquement sur la tige** *viton solo sullo stelo* (-10°C +150°C)	Viton seal only on the rod, this solution is adopted when there are no large sources of heat or only peaks of heat. **Joint en Viton seulement sur la tige, cette solution est adoptée quand il n'y a pas de grandes sources de chaleur ou seulement des pics de chaleur.** *Guarnizione in viton solo sullo stelo, Questa soluzione viene adottata quando non sono presenti grandi fonti di calore oppure solo picchi di calore.*
8		Low temperature **Basse température** *Bassa temperatura*	Polyurethane **Polyuréthane** *Poliuretano* (-40C°+ 80C°)	Ideal solution for applications with very low temperatures. **Solution idéale pour les applications à très basses températures.** *Soluzione indicata per appicazioni con temperature molto basse.*
M		*Extreme use* **Utilisation extrême** *Uso estremo*	Metal scraper **Racleur métal** *Guarnizione metallica* (-20°C +80°C)	Seal with metal outer lip able to remove any element deposited on the rod such as: welding sparks or ice even of great thickness. **Joint avec lèvre extérieure en métal capable d'enlever tout élément déposé sur la tige comme: étincelles de soudure ou glace même de grande épaisseur.** *Guarnizione con labbro esterno in metallo capace di asportare qualsiasi elemento depositato sullo stelo come: scintille di saldatura oppure ghiaccio anche di grande spessore.*

For solutions with seals other than these, please contact our sales department.
Pour des solutions avec d'autres joints, veuillez contacter notre service commercial/ bureau de vente.
Per soluzioni con guarnizioni diverse da queste, contattare il nostro ufficio commerciale.

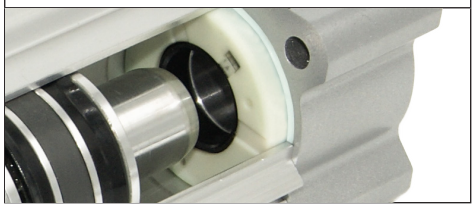
THE KEY POINTS / **LES POINTS CLES** / *PUNTI DI FORZA*

DESIGN: The new shape of the heads gives the cylinder a linear, streamlined and elegant design, avoiding the extreme and unsightly lightening that can be found on competing cylinders.
La nouvelle forme des têtes donne au vérin un design linéaire, filant et élégant, évitant ainsi l'allégement extrême et inesthétique que l'on peut trouver sur les vérins concurrents.
La nuova forma delle testate dona al cilindro un design lineare, filante ed elegante, evitando così l'alleggerimento estremo e antiestetico che si può trovare sui cilindri concorrenti.

HEART: The piston, the heart of the cylinder and always subjected to intense work, must ensure a constant and lasting precision in any condition. It was therefore chosen to make it entirely of aluminium with a special anti-wear guide band to make it indestructible, precise and performing even after years of intensive use and with strong temperature variations.
Le piston, cœur du vérin et toujours soumis à un travail intense, doit assurer une précision constante et durable dans toutes les conditions. On a donc choisi de le réaliser entièrement en aluminium avec une bande guide spéciale anti-usure pour le rendre indestructible, précis et performant même après des années d'utilisation intensive et avec de fortes amplitudes thermiques.
Il pistone, cuore del cilindro e sempre sottoposto a lavoro intenso, deve garantire una precisione costante e duratura in qualsiasi condizione. Si è scelto quindi di realizzarlo interamente in alluminio con una speciale fascia guida antiusura per renderlo indistruttibile, preciso e performante anche dopo anni di utilizzo intensivo e con forti escursioni termiche.

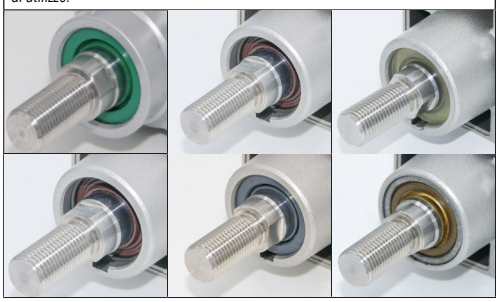
MOVEMENT: The guide bush of the rod is made with a particular type of bronze specifically designed for linear sliding with large loads. This guarantees significantly higher performance than the classic bushing made of sintered bronze.
La douille de guidage de la tige est réalisée avec un type particulier de bronze spécialement conçu pour le glissement linéaire avec de grandes charges. Cela garantit des performances nettement supérieures à la douille classique en bronze fritté.
La boccola di guida dello stelo è realizzata con uno particolare tipo di bronzo appositamente studiato per lo scorrimento lineare con grandi carichi. Questo garantisce prestazioni notevolmente superiori rispetto alla classica boccola realizzata in bronzo sinterizzato.

MFS SYSTEM: This is the first Airwork cylinder equipped with MFS (Multi Function System), the evolution of the classic solution with o-ring in NBR. The MFS system offers 3 immediate advantages: reduction of the piston impact noise even in the absence of standard pneumatic cushioning, perfect centring of the aluminium profile during assembling process, perfect sealing between head and shirt.
C'est le premier vérin Airwork équipé de MFS (Multi Function System), c'est-à-dire l'évolution de la solution classique avec joint torique en NBR. Le système MFS offre 3 avantages immédiats : réduction du bruit d'impact du piston même en l'absence de l'amortissement pneumatique standard, centrage parfait de la chemise en phase de montage, étanchéité parfaite entre les têtes et la chemise.
È il primo cilindro Airwork dotato di MFS (Multi Function System), ovvero l'evoluzione della classica soluzione con o-ring in NBR. Il sistema MFS offre 3 vantaggi immediati: riduzione del rumore di impatto del pistone anche in assenza dell'ammortizzo pneumatico standard, centraggio perfetto della camicia in fase di montaggio, perfetta tenuta fra testate e camicia.



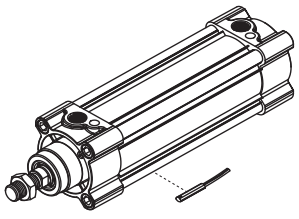
Available with Atex certification
Disponible avec certification Atex
Disponibile con certificazione Atex
Ex II 2G Ex h IIc T6 Gb
Ex II 2D Ex h IIIc T80°C Db

FOR ALL NEEDS: Wide choice between 6 types of standard rod gaskets to meet all needs based on function, temperature, degree of cleanliness of the working environment.
Large choix parmi 6 types de joints de tige standard pour répondre à toutes les exigences de fonctionnement, de la température, du degré de propreté de l'environnement d'utilisation.
Ampia scelta fra 6 tipi di guarnizioni stelo standard per rispondere a tutte le esigenze in base alla funzione, alla temperatura, al grado di pulizia dell'ambiente di utilizzo.

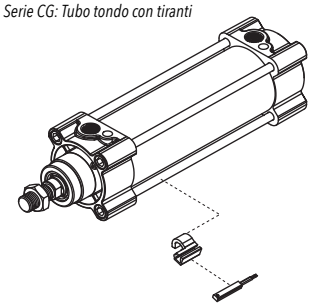


2 IN 1: The particular design of the heads allows the assembly of 2 types of cylinder depending on the customer's needs, maintaining the same internal components.
Le design particulier des têtes permet l'assemblage de 2 types de vérins selon les exigences du client, en conservant les mêmes composants internes.
Il particolare design delle testate consente l'assemblaggio di 2 tipologie di cilindro a seconda delle esigenze del cliente, mantenendo gli stessi componenti interni.

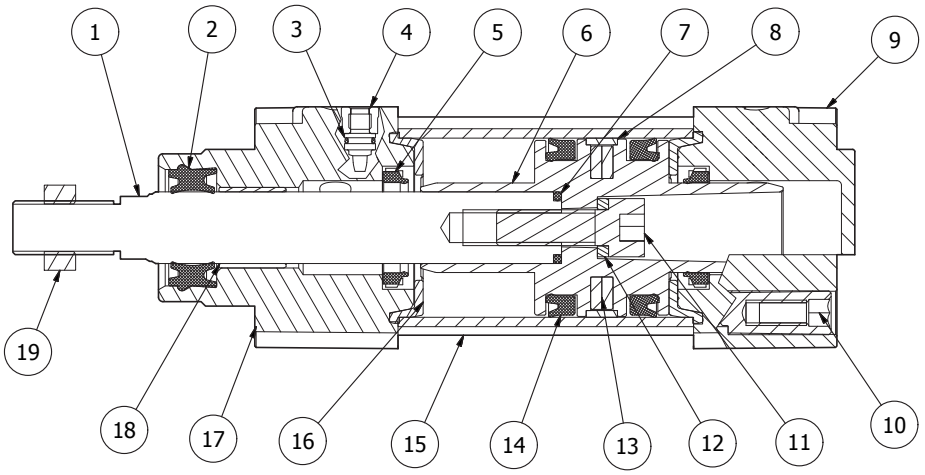
CF Series: with extruded profile with cavities for sensors
Série CF: avec profil extrudé avec rainures pour capteurs
Serie CF: profilo estruso con cave per sensori su due lati



CG Series: with aluminium tube and tie rods
Série CG : avec tube en aluminium et tirants
Serie CG: Tubo tondo con tiranti



COMPONENTS / **COMPOSANTS** / *COMPONENTI*



N.	DESCRIPTION / **DESCRIPTION** / *DESCRIZIONE*	MATERIAL / **MATIÈRE** / *MATERIALE*
1	rod / **tige** / *stelo*	steel C40 / **acier C40** / *acciaio C40*
2	rod seal / **joints tige** / *guarnizione stelo*	polyurethane / **PU** / *poliuretano*
3	o-ring	NBR
4	regulator cushion screw / **vis amortissement** / *vite ammortizzo*	nickel plated brass / **laiton nickelé** / *ottone nichelato*
5	cushion seal / **joint amortissement** / *guarnizione ammortizzo*	NBR
6	piston / **piston** / *pistone*	aluminium / **aluminium** / *alluminio*
7	o-ring	NBR
8	guide piston / **guide piston** / *guida pistone*	PBT+PTFE
9	rear cap / **fond arrière** / *testata posteriore*	aluminium / **aluminium** / *alluminio*

N.	DESCRIPTION / **DESCRIPTION** / *DESCRIZIONE*	MATERIAL / **MATIÈRE** / *MATERIALE*
10	screw / **vis** / *vite*	zinc plated steel / **acier zingué** / *acciaio zincato*
11	screw / **vis** / *vite*	zinc plated steel / **acier zingué** / *acciaio zincato*
12	washer / **rondelle** / *rondella*	zinc plated steel / **acier zingué** / *acciaio zincato*
13	magnet / **aimant** / magnete	plastoferrite
14	piston seal / **joint piston** / *guarnizione pistone*	*NBR*
15	tube / **tube** / *tubo*	aluminium / **aluminium** / *alluminio*
16	bumpers / **pare-chocs** / *paracolpi*	nylon
17	front cap / **fond avant** / *testata anteriore*	aluminium / **aluminium** / *alluminio*
18	bushing / **boussole de guidage** / *bussola guida*	steel+PTFE / **acier+PTFE** / *acciaio+PTFE*
19	nut / **écrou** / *dado*	zinc plated steel / **acier zingué** / *acciaio zincato*

SEALS KIT / **KIT JONTS** / *KIT GUARNIZIONI*

K Z 8 3 1 0 0 0

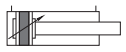
→ Ø cylinder / **Ø vérin** / *Ø cilindro*

→ SEALS / **JOINTS** / *GUARNIZIONI*

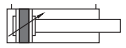
1	Standard **Standard** *Standard*	Polyurethane / **Polyuréthane** / *Poliuretano* (-20°C +80°C)
3	High temperature **Haute température** *Alta temperatura*	Viton/ **Viton** / *Viton* (-10°C +150°C)
4	Heavy use **Utilisation lourde** *Uso pesante*	Polyurethane / **Polyuréthane** / *Poliuretano* (-20°C +80°C)
6	High temperature **Haute température** *Alta temperatura*	Viton only on the rod / **Viton uniquement sur la tige** / *Viton solo sullo stelo* (-10°C +150°C)
8	Low temperature **Basse température** *Bassa temperatura*	Polyurethane / **Polyuréthane** / *Poliuretano* (-40C°+ 80C°)
M	*Extreme use* **Utilisation extrême** *Uso estremo*	Metal scraper / **Racleur métal** / *Guarnizione metallica* (-20°C +80°C)

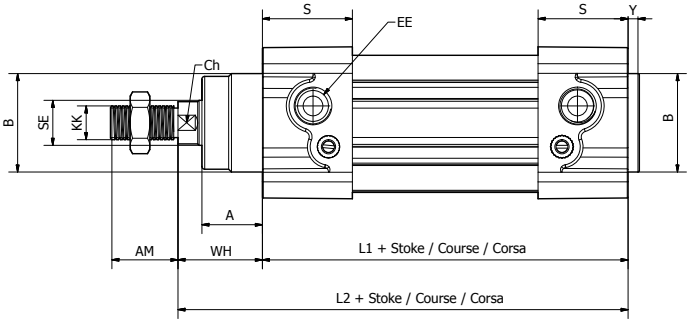
Double acting cushioned
Double effet amorti
Doppio effetto ammortizzato

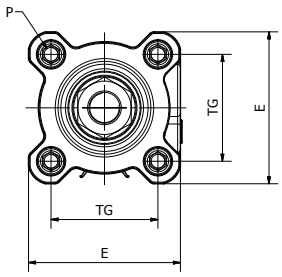
CODE: CF011.Ø.mm

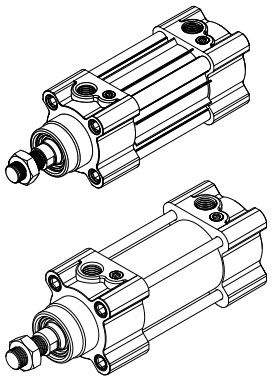


CODE: CG011.Ø.mm





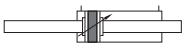




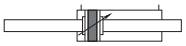
Ø	A	AM	B	E	EE	Y	KK	L1	L2	P	S	Ø SE	TG	WH	CH
32	18	22	30	46.5	G1/8"	4	M10x1.25	94	120	M6x1	28	12	32-5	26	10
40	21.5	24	35	54	G1/4"	4	M12x1.25	105	135	M6x1	32	16	38	30	13
50	26.5	32	40	65	G1/4"	4	M16x1.5	106	143	M8x1.25	30	20	46.5	37	17
63	27	32	45	76	G3/8"	4	M16x1.5	121	158	M8x1.25	37	20	56.5	37	17
80	34	40	45	95	G3/8"	4	M20x1.5	128	174	M10x1.5	37.5	25	72	46	22
100	36	40	55	113	G1/2"	4	M20x1.5	138	189	M10x1.5	42	25	89	51	22

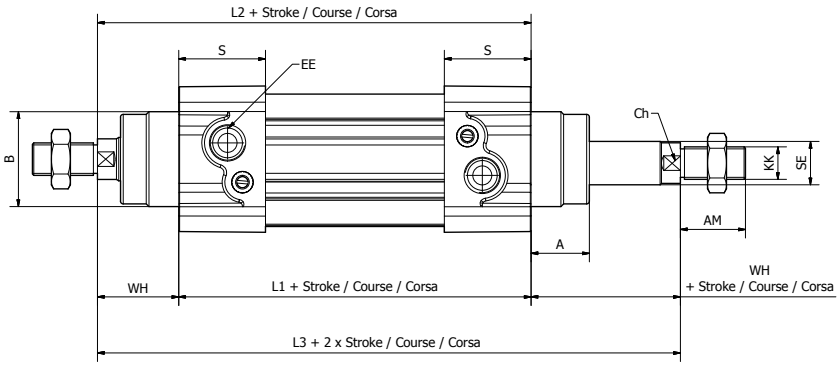
Through rod cushioned
Tige traversante amorti
Stelo passante ammortizzato

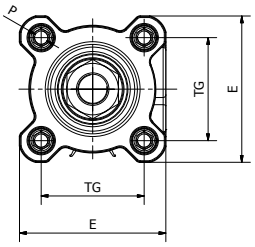
CODE: CF031.Ø.mm

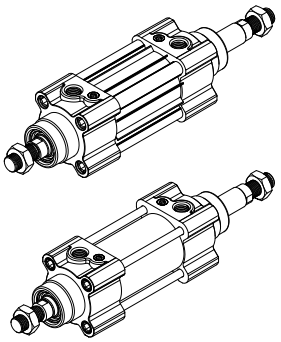


CODE: CG031.Ø.mm







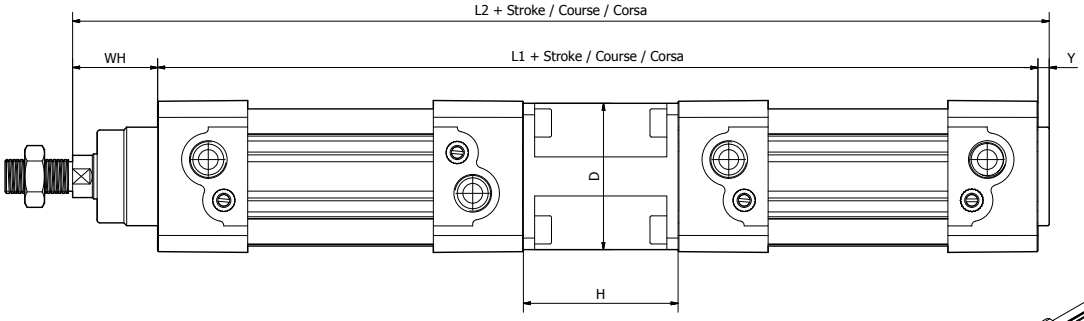


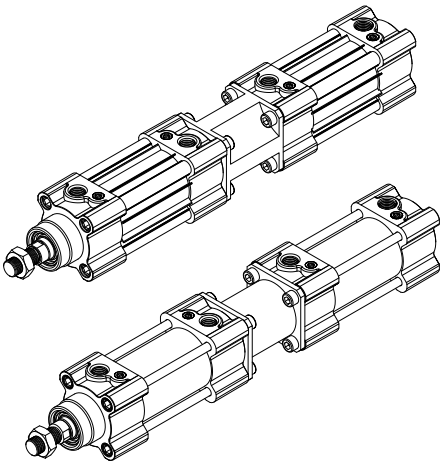
Ø	A	AM	B	E	EE	KK	L1	L2	L3	P	S	Ø SE	TG	WH	CH
32	18	22	30	46.5	G1/8"	M10x1.25	94	120	146	M6x1	28	12	32-5	26	10
40	21.5	24	35	54	G1/4"	M12x1.25	105	135	165	M6x1	32	16	38	30	13
50	26.5	32	40	65	G1/4"	M16x1.5	106	143	180	M8x1.25	30	20	46.5	37	17
63	27	32	45	76	G3/8"	M16x1.5	12	158	195	M8x1.25	37	20	56.5	37	17
80	34	40	45	95	G3/8"	M20x1.5	128	174	220	M10x1.5	37.5	25	72	46	22
100	36	40	55	113	G1/2"	M20x1.5	138	189	240	M10x1.5	42	25	89	51	22

Tandem double push
Tandem double poussée
Tandem doppia spinta

CODE: CF211.Ø.mm 

CODE: CG211.Ø.mm 



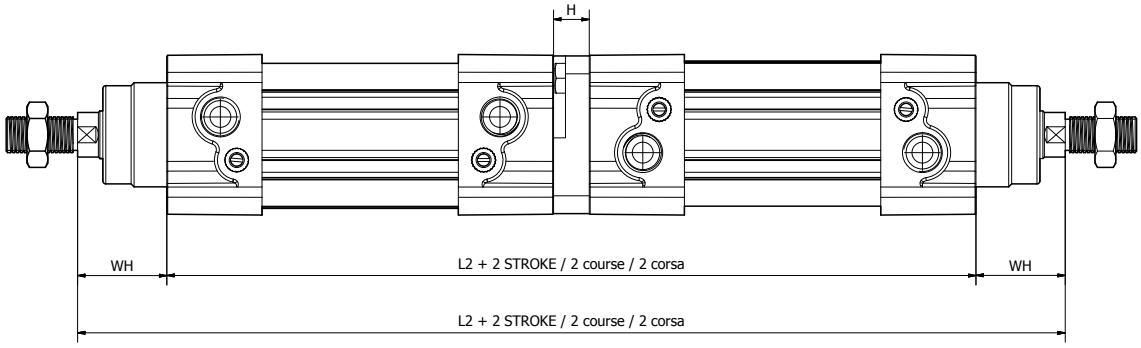


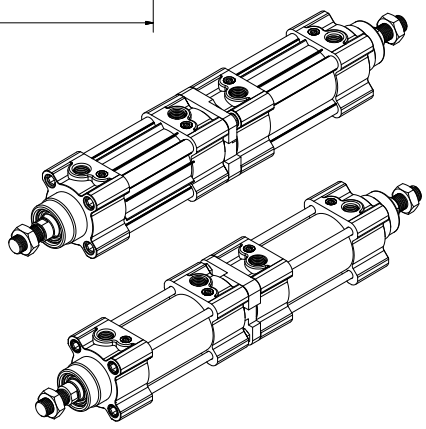
Ø	H	D	WH	L1	L2	Y
32	55	45	26	243	273	4
40	55	52	30	265	299	4
50	68	65	37	280	321	4
63	68	75	37	314	351	4
80	92	95	46	348	398	4
100	92	115	51	368	423	4

Tandem contrasted
Tandem opposé
Tandem contrapposti

CODE: CF251.Ø.mm 

CODE: CG251.Ø.mm 

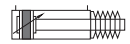




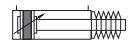
Ø	H	WH	L1	L2
32	12	26	200	252
40	12	30	222	282
50	16	37	228	302
63	16	37	258	332
80	20	46	276	368
100	20	51	296	398

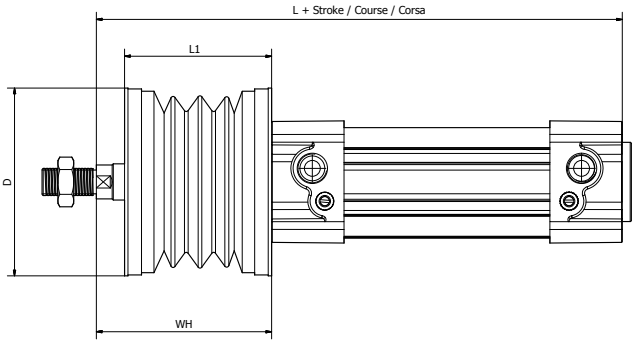
With rubber bellow
Avec soufflet
Con soffietto

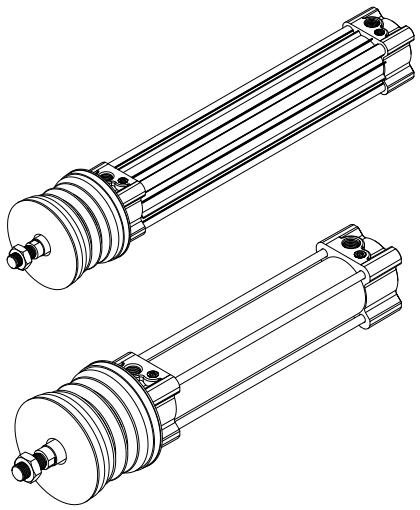
CODE: CF311.Ø.mm



CODE: CG311.Ø.mm





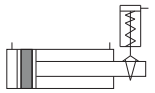


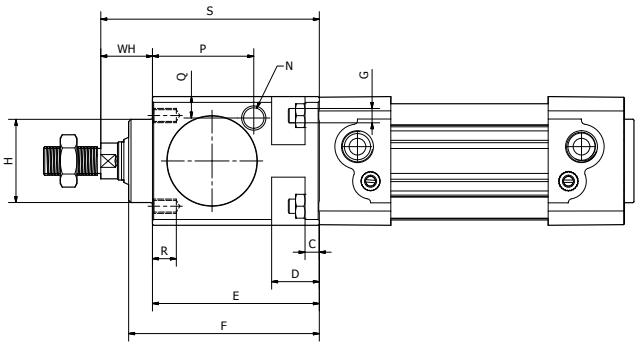
		Stroke/**Course**/*Corsa*								
		<300mm			<600mm			<900mm		
Ø	**D**	**L**	**L1**	**WH**	**L**	**L1**	**WH**	**L**	**L1**	**WH**
32	83	196	65	80	261	130	145	316	195	200
40	83	209	65	80	274	130	145	329	195	200
50	83	218	65	80	283	130	145	338	195	200
63	83	233	65	80	298	130	145	353	195	200
80	83	248	65	80	313	130	145	371	195	200
100	106	233	40	55	273	80	95	313	120	135

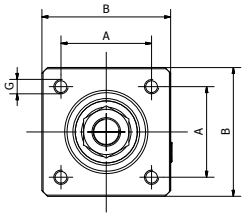
With rod lock BS series assembled
Avec bloqueur de tige serie BS monté
Con bloccastelo serie BS montato

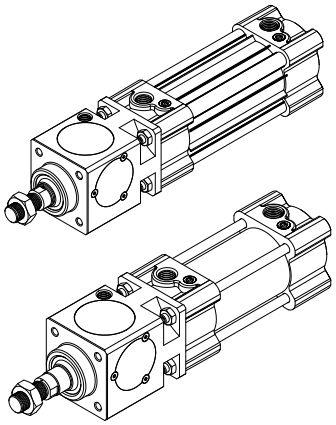
CODE: CF331.Ø.mm

CODE: CG331.Ø.mm



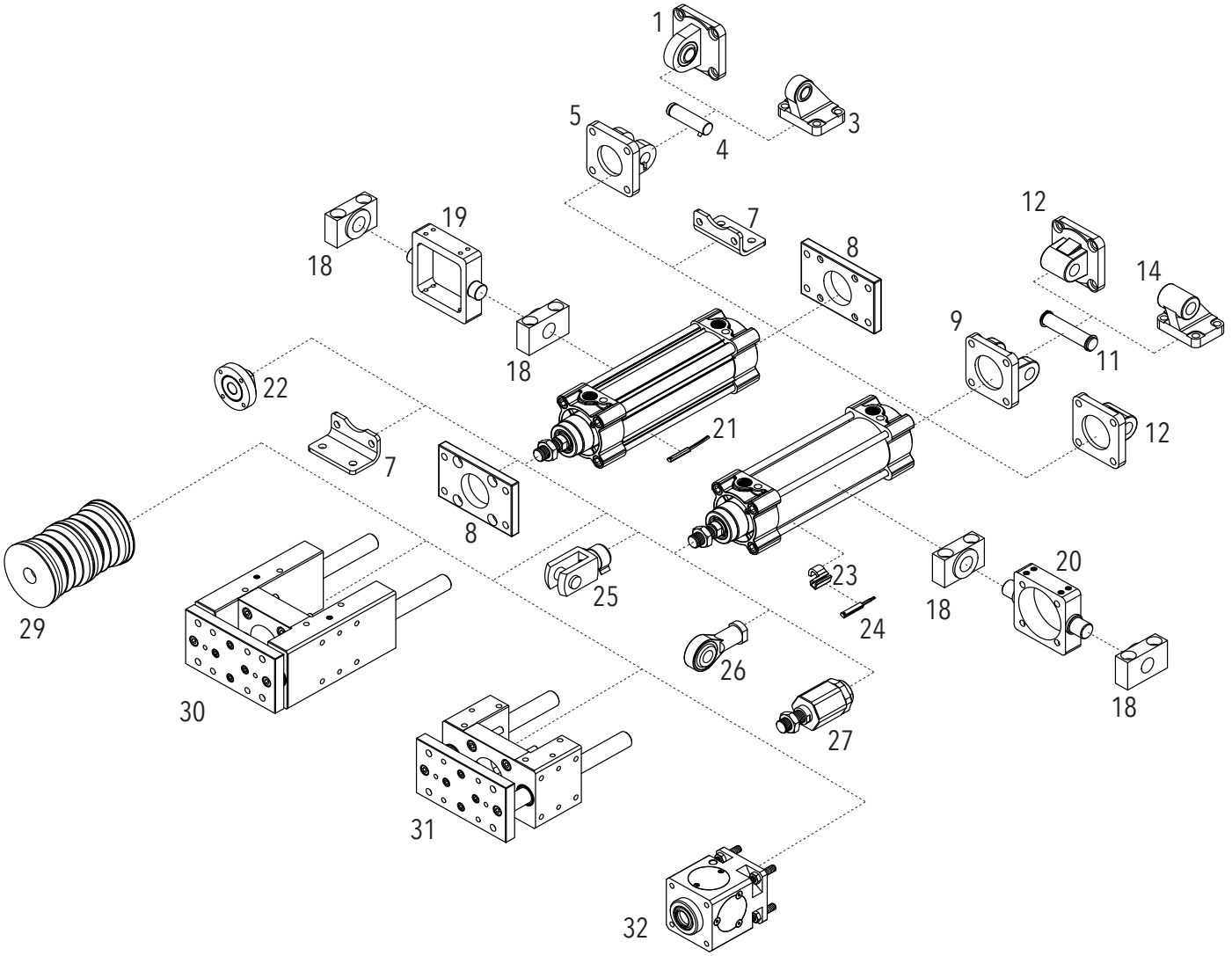






Ø	**A**	**B**	**C**	**D**	**E**	**F**	**G**	**H**	**N**	**P**	**Q**	**R**	**S**	**T**
32	32.5	47	6	20	60	67.5	M6	30	1/8"G	33.25	9	8	86	60
40	38	54	6	20	70	80	M6	34.9	1/8"G	42.5	9	8	100	70
50	46.5	65	8	24	90	100	M8	40	1/8"G	58	12.5	12	127	90
63	56.5	75	8	24	90	100	M8	45	1/8"G	59	17.5	12	127	90
80	72	95	12	32	110	120	M10	45	1/4"G	69	17.5	16	156	110
100	89	114	12	32	110	120	M10	55	1/4"G	69	20	16	161	110

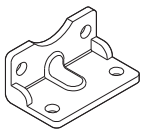
MOUNTING PARTS / **ACCESSOIRES DE MONTAGE** / *ACCESSORI DI FISSAGGIO*



POS.	DESCRIPTION **DESCRIPTION** *DESCRIZIONE*	ALUMINIUM **ALUMINIUM** *ALLUMINIO*	STEEL **ACIER** *ACCIAIO*
1	Male hinge with articulated head / **Chape mâle arrière rotulée** / *Cerniera maschio con testa snodata*	AR4226. Ø -V	AR4261. Ø -V
3	Square joint artic.head / **Artic. arrière equerre rotulée** / *Articolazione a squadra snodata*		AR4208. Ø
4	Pin anti-rotation / **Axe anti-rotation** / *Perno antirotazione*		AR41803. Ø
5	Narrow female hinge / **Chape femelle étroite** / *Cerniera femmina stretta*	AR41801. Ø -V	AR4212. Ø -V
7	Pedestal / **Equerre** / *Piedino*		AR4152. Ø -V
8	Flange / **Bride** / *Flangia*		AR4151. Ø -V
9	Female hinge / **Chape arrière femelle**/ *Cerniera femmina*	AR4147. Ø -V	AR4184. Ø -V
11	Pivot for hinge / **Axe chape arrière** / *Perno per cerniera*		AR4150. Ø
12	Male hinge / **Chape mâle arrière** / *Cerniera maschio*	AR4149. Ø -V	AR4186. Ø -V
14	Square joint / **Articulation equerre** / *Articicolazione a squadra*	AR4156. Ø	AR4207. Ø
18	Support for inter. Hinge / **Support pour tourillon** / *Supporto cerniera intermedia*		AR4159. Ø
19	Intermediate hinge / **Tourillon Intermédiaire** / *Cerniera intermedia*		AR4279. Ø

POS.	DESCRIPTION **DESCRIPTION** *DESCRIZIONE*	ALUMINIUM **ALUMINIUM** *ALLUMINIO*	STEEL **ACIER** *ACCIAIO*
20	Intermediate hinge / **Tourillon Intermédiaire** / *Cerniera intermedia*		AR4182. Ø
21	Oval switch / **Capteur oval** / *Sensore ovale*	AR4019...	
22	Adaptor for switch / **Adaptateur de capteur** / *Adattatore per sensore*	AR4200. Ø	
24	T switch / **Capteur en T** / *Sensore a T*	AR4023...	
22	Floating joint / **Guide flottant** / *Giunto flottante*		KU0017. Ø
25	Yoke / **Fourche** / *Forcella*		AR4067...
26	Rod ends / **Chape de tige rotulée** / *Testa a snodo*		AR4066...
27	Self-aligning joint / **Chape Auto-Alignante** / *Giunto autoallineante*		AR406...
29	Rubber bellowe / **Soufflet** / *Soffietto*	-	-
30	Guide unit H type / **Unité de guidage en H** / *Unità guida ad H*	UG2014. Ø	
31	Guide unit U type / **Unité de guidage en U** / *Unità guida ad U*	UG2008. Ø	
32	Rod lock / **Bloqueur de tige** / *Bloccastelo*	BS.... Ø	

PEDESTAL
EQUERRE
PIEDINO



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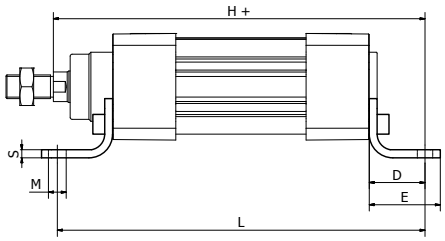
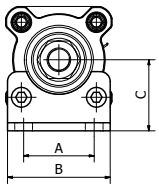
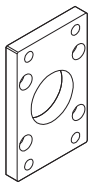




CODE	MATERIAL / **MATIÈRE** / *MATERIALE*
AR4152 Ø -V	Steel / **Acier** / *Acciaio*

Ø	A	B	C	D	E	H	L	M	S	weight (g)
032	32	45	32	24	35	144	142	7	4	66
040	36	52	36	28	36	163	161	9	4	78
050	45	65	45	32	47	175	170	9	5	168
063	50	75	50	32	45	190	185	9	5	190
080	63	95	63	41	55	215	210	12	6	382
100	75	115	71	41	57	230	220	14	6	452
125	90	140	90	45	70	270	250	16	8	1090

FLANGE
BRIDE
FLANGIA



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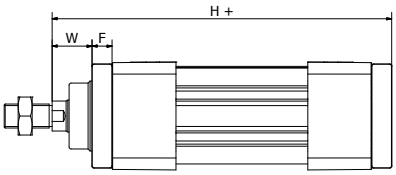
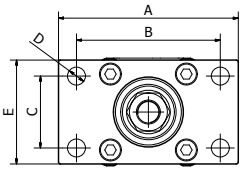
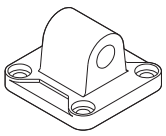




CODE	MATERIAL / **MATIÈRE** / *MATERIALE*
AR4151 Ø -V	Steel / **Acier** / *Acciaio*

Ø	A	B	C	D	E	F	H	W	weight (g)
032	80	64	32	7	45	10	130	16	190
040	90	72	36	9	52	10	145	20	246
050	110	90	45	9	65	12	155	25	478
063	120	100	50	9	75	12	170	25	622
080	150	126	63	12	95	16	190	30	1430
100	170	150	75	14	115	16	205	35	1986
125	205	180	90	16	140	20	245	45	3750

MALE HINGE
CHAPE MALE ARRIERE
CERNIERA MASCHIO



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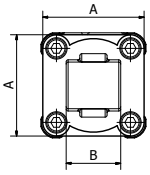
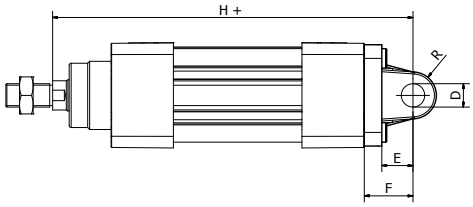
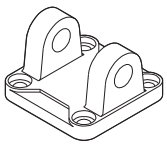




CODE	MATERIAL / **MATIÈRE** / *MATERIALE*
AR4149 Ø -V	Aluminium / **Aluminium** / *Alluminio*
AR4186 Ø -V	Steel / **Acier** / *Acciaio*

Ø	A	B	D	E	F	H	R	weight (g)	weight (g)
032	45	26	10	13	22	142	10	54	176
040	52	28	12	16	25	160	12	76	274
050	65	32	12	16	27	170	12	124	368
063	75	40	16	21	32	190	16	212	282
080	95	50	16	22	36	210	16	420	1196
100	115	60	20	27	41	230	20	666	2100
125	140	70	25	30	50	275	25	1264	3740

FEMALE HINGE
CHAPE ARRIERE FEMELLE
CERNIERA FEMMINA



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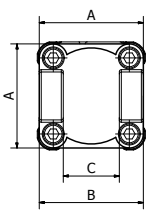
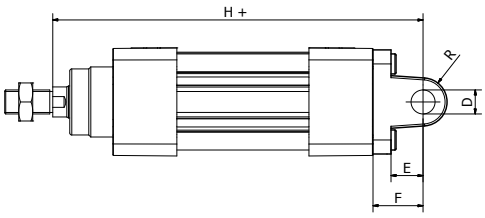
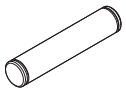




CODE	MATERIAL / **MATIÈRE** / *MATERIALE*
AR4147 Ø -V	Aluminium / **Aluminium** / *Alluminio*
AR4184 Ø -V	Steel / **Acier** / *Acciaio*

Ø	A	B	C	D	E	F	H	R	weight (g)	weight (g)
032	45	45	26	10	13	22	142	10	48	138
040	52	52	28	12	16	25	160	12	75	230
050	65	60	32	12	16	27	170	12	124	338
063	75	70	40	16	21	32	190	16	192	540
080	95	90	50	16	22	36	210	16	380	1000
100	115	110	60	20	27	41	230	20	620	1700
125	140	130	70	25	30	50	275	25	1180	3350

PIVOT FOR FEMALE HINGE
AXE POUR CHAPE FEMELLE
PERNO PER CERNIERA FEMMINA



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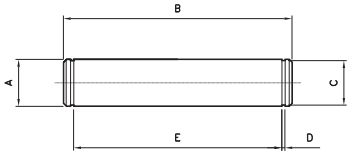
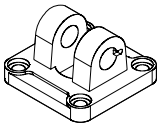


CODE	MATERIAL / **MATIÈRE** / *MATERIALE*
AR4150 Ø	Steel / **Acier** / *Acciaio*

Ø	A	B	C	D	E	weight (g)
032	10	53	9.6	1.1	46	32
040	12	60	11.5	1.1	53	52
050	12	68	11.5	1.1	61	60
063	16	78	15.2	1.1	71	122
080	16	98	15.2	1.1	91	152
100	20	118	19	1.3	111	290
125	25	139	23.9	1.3	132	530

NARROW FEMALE HINGE
CHAPE ARRIERE FEMELLE ÉTROITE
CERNIERA FEMMINA STRETTA



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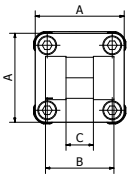
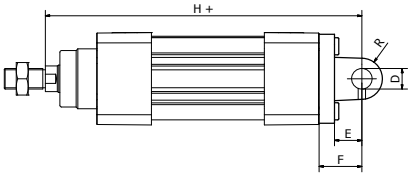
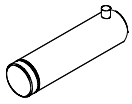




CODE	MATERIAL / **MATIÈRE** / *MATERIALE*
AR41801 Ø -V	Aluminium / **Aluminium** / *Alluminio*
AR4212 Ø -V	Steel / **Acier** / *Acciaio*

Ø	A	B	C	D	E	F	H	R	weight (g)	weight (g)
032	45	34	14	10	13	22	142	10	42	140
040	52	40	16	12	16	25	160	12	70	230
050	65	45	21	16	16	27	170	14	112	336
063	75	51	21	16	21	32	190	18	194	546
080	95	65	25	20	22	36	210	20	382	1190
100	115	75	25	20	27	41	230	22	610	1840
125	140	97	37	30	30	50	275	25	1100	3550

PIN ANTI-ROTATION FOR NARROW FEMALE HINGE
AXE ANTI-ROTATION POUR CHAPE FEMELLE ÉTROIT
PERNO ANTIROTAZIONE PER CERNIERA STRETTA



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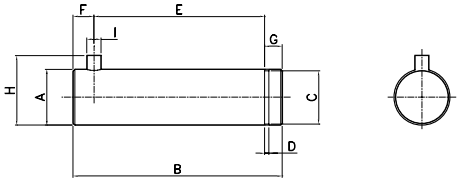
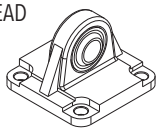


CODE	MATERIAL / **MATIÈRE** / *MATERIALE*
AR41803 Ø	Steel / **Acier** / *Acciaio*

Ø	A	B	C	D	E	F	G	H	I	weight (g)
032	10	41	9.6	1.1	32.5	4.5	4	14	3	26
040	12	48	11.5	1.1	38	6	4	16	4	42
050	16	54	15.2	1.1	43	6	5	20	4	84
063	16	60	15.2	1.1	49	6	5	20	4	94
080	20	75	19	1.3	63	6	6	24	4	184
100	20	85	19	1.3	73	6	6	24	4	208
125	30	110	28.6	1.6	94	9	7	36	6	606

MALE HINGE WITH ARTICULATED HEAD
CHAPE ARRIERE ROTULEE
CERNIERA MASCHIO CON TESTINA SNODATA



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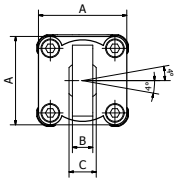
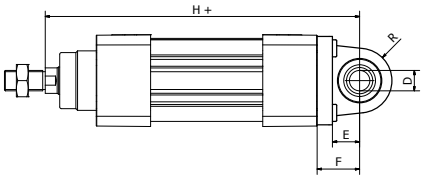
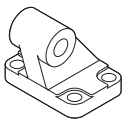


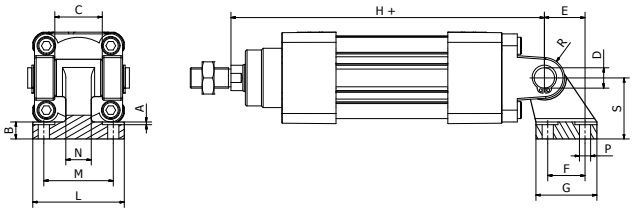


CODE	MATERIAL / **MATIÈRE** / *MATERIALE*
AR4226 Ø -V	Aluminium / **Aluminium** / *Alluminio*
AR4261 Ø -V	Steel / **Acier** / *Acciaio*

Ø	A	B	C	D	E	F	H	R	wei-ght (g)	wei-ght (g)
032	45	10,5	14	10	13	22	142	16	65	152
040	52	12	16	12	16	25	160	19	100	256
050	65	15	21	16	16	27	170	21	180	364
063	75	15	21	16	21	32	190	24	244	595
080	95	18	25	20	22	36	210	28,5	476	1122
100	115	18	25	20	27	41	230	30	646	1786
125	140	25	37	30	30	50	275	40	1410	3500

SQUARE JOINT
ARTICULATION ARRIERE D'EQUERRE
ARTICOLAZIONE A SQUADRA

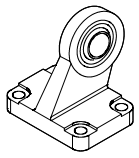


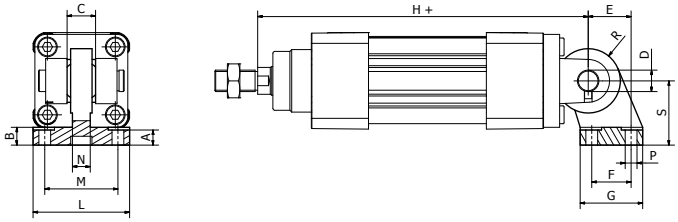


CODE	MATERIAL / **MATIÈRE** / *MATERIALE*
AR4156 Ø	Aluminium / **Aluminium** / *Alluminio*
AR4207 Ø	Steel / **Acier** / *Acciaio*

Ø	A	B	C	D	E	F	G	H	L	M	N	P	R	S	(g)	(g)
032	1.6	8	26	10	21	18	31	142	51	38	10	6.6	10	32	56	158
040	1.6	10	28	12	24	22	35	160	54	41	15	6.6	12	36	80	238
050	1.6	12	32	12	33	30	45	170	65	50	16	9	12	45	142	418
063	1.6	14	40	16	37	35	50	190	67	52	16	9	16	50	200	526
080	2.5	14	50	16	47	40	60	210	86	66	20	11	16	63	312	1055
100	2.5	17	60	20	55	50	70	230	96	76	20	11	20	71	510	1510
125	3.2	20	70	25	70	60	90	275	124	94	30	14	25	90	826	3150

SQUARE JOINT WITH ARTIC.HEAD
ARTICULATION ARRIERE EQUERRE
ARTICOLAZIONE A SQUADRA
CON TESTA SNODATA

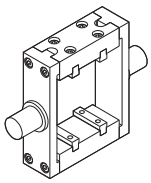


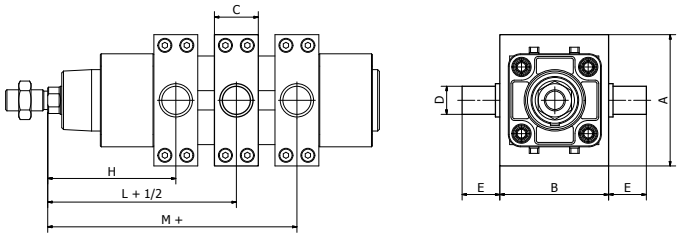


CODE	MATERIAL / **MATIÈRE** / *MATERIALE*
AR4208 Ø	Steel / **Acier** / *Acciaio*

Ø	A	B	C	D	E	F	G	H	L	M	N	P	R	S	weight (g)
032	8.5	10	14	10	21	18	31	142	51	38	10.5	6.6	15	32	178
040	8.5	10	16	12	24	22	35	160	54	41	12	6.6	18	36	268
050	10.5	12	21	16	33	30	45	170	65	50	15	9	20	45	459
063	10.5	12	21	16	37	35	50	190	67	52	15	9	23	50	550
080	11.5	14	25	20	47	40	60	210	86	66	18	11	27	63	970
100	12.5	15	25	20	55	50	70	230	96	76	18	11	30	71	1326
125	17	20	37	30	70	60	90	275	124	94	25	13.5	40	90	3000

INTERMEDIATE HINGE FOR CY
TOURILLON INTERMEDIAIRE POUR CY
CERNIERA INTERMEDIA PER CY

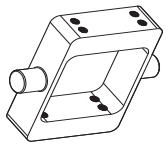


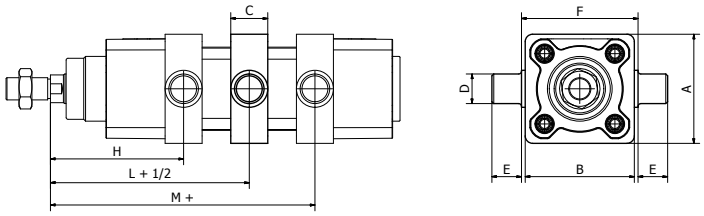


CODE	MATERIAL / **MATIÈRE** / *MATERIALE*
AR4158 Ø	Aluminium / **Aluminium** / *Alluminio*

Ø	A	B	C	D	E	H	L	M
032	65	52	25	12	17.5	66.5	73.5	79.5
040	74.5	62	25	16	21.5	73	82.5	92
050	90.3	74	25	16	21.5	80.5	90	99.5
063	94.5	91	30	20	23.5	87	97.5	108
080	109.3	111	30	20	23.5	97	110	123
100	134	129	40	25	33	112	120	128
125	160	156.7	40	25	33	130	145	160

INTERMEDIATE HINGE FOR CZ AND CF
TOURILLON INTERMEDIAIRE POUR CZ ET CF
CERNIERA INTERMEDIA PER CZ E CF

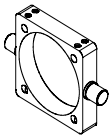


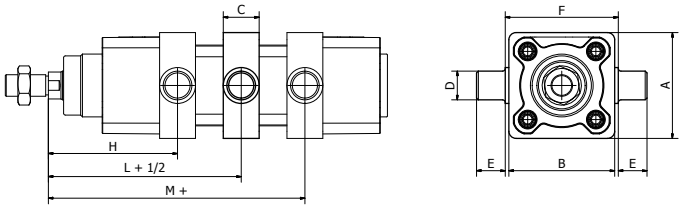


CODE	MATERIAL / **MATIÈRE** / *MATERIALE*
AR4279 Ø	Steel / **Acier** / *Acciaio*

Ø	A	B	C	D	E	F	H	L	M	weight (g)
032	46	46	15	12	12	50	61.5	73.5	84.5	250
040	59	59	20	16	16	63	70.5	82.5	94.5	410
050	69	69	20	16	16	75	78	90	102	530
063	84	84	25	20	20	90	84.5	97.5	110.5	775
080	102	102	25	20	20	110	94.5	110	125.5	1430
100	125	125	30	25	25	132	107	120	133	1950
125	155	155	32	25	25	160	126	145	164	1600

INTERMEDIATE ADJUSTABLE HINGE
TOURILLON INTERMEDIAIRE RÉGLABLE
CERNIERA INTERMEDIA REGOLABILE

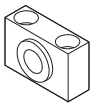




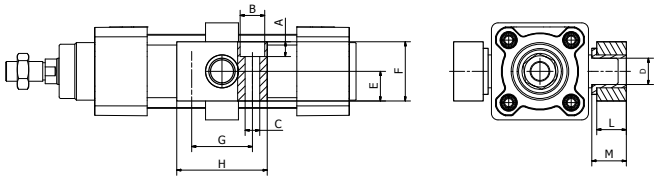
CODE	MATERIAL / **MATIÈRE** / *MATERIALE*
AR4182 Ø	Steel / **Acier** / *Acciaio*

Ø	A	B	C	D	E	F	H	L	M	weight (g)
032	46	46	15	12	12	50	61.5	73.5	84.5	250
040	59	59	20	16	16	63	70.5	82.5	94.5	410
050	69	69	20	16	16	75	78	90	102	530
063	84	84	25	20	20	90	84.5	97.5	110.5	775
080	102	102	25	20	20	110	94.5	110	125.5	1430
100	125	125	30	25	25	132	107	120	133	1950
125	155	155	32	25	25	160	126	145	164	1600

SUPPORT FOR INTERMEDIATE HINGE
PALIERS POUR TOURILLON
SUPPORTO PER CERNIERA INTERMEDIA



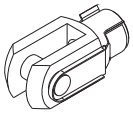
2X



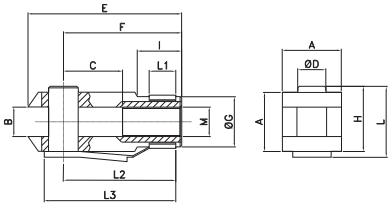
CODE	MATERIAL / **MATIÈRE** / *MATERIALE*
AR4159 Ø	Steel / **Acier** / *Acciaio*

Ø	A	B	C	D	E	F	G	H	L	M	weight (g)
032	7	11	6.6	12	15	30	32	46	15	18	100
40-50	9	15	9	16	18	36	36	55	18	21	150
63-80	11	18	11	20	20	40	42	65	20	23	234
100-125	13	20	14	25	25	50	50	75	25	28.5	435

YOKE WITH CLIP
FOURCHE AVEC CLIP
FORCELLA CON CLIP



Material: Steel
Matière: Acier
Materiale: Acciaio

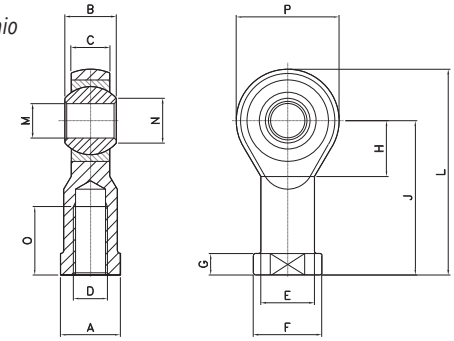


CODE	Ø
AR40673	32
AR40674	40
AR40675	50-63
AR40676	80-100
AR40678	125

Ø	A	B	C	D	E	F	G	H	I	M	L	L1	L2	L3
32	20	10	20	10	52	40	18	23	15	M10x1.25	26	10	39	46
40	24	12	24	12	62	48	20	28	18	M12x1.25	32	12	47	55
50-63	32	16	32	16	83	64	26	36	24	M16x1.5	40	14	62	72
80-100	40	20	40	20	105	80	34	44	30	M20x1.5	48	16	72	88
125	55	30	54	30	148	110	48			M27x2	65	38		

ROD ENDS
CHAPE DE TIGE ROTULEE
TESTA A SNODO

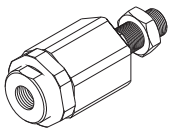
Material: Steel
Matière: Acier
Materiale: Acciaio



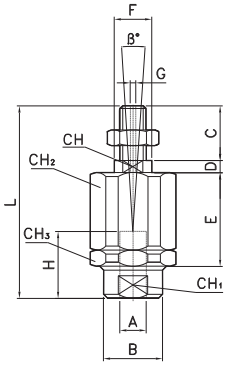
CODE	Ø
AR40660	32
AR40662	40
AR40665	50-63
AR40666	80-100
AR40667	125

Ø	A	B	C	D	E	F	G	H	J	L	M	N	O	P
32	17	14	10.5	M10x1.25	15	19	6.5	15	43	57	10	12.9	20	28
40	19	16	12	M12x1.25	17.5	22	6.5	17	50	66	12	15.4	22	32
50-63	22	21	15	M16x1.5	22	27	8	23	64	85	16	19.3	28	42
80-100	30	25	18	M20x1.5	27.5	34	10	27	77	102	20	24.3	33	50
125	41	37	25	M27x2	40	50	15	36	110	145	30	34.8	51	70

SELF-ALIGNING JOINT
CHAPE AUTO-ALIGNANTE
GIUNTO AUTOALLINEANTE



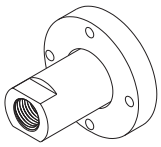
Material: Steel
Matière: Acier
Materiale: Acciaio

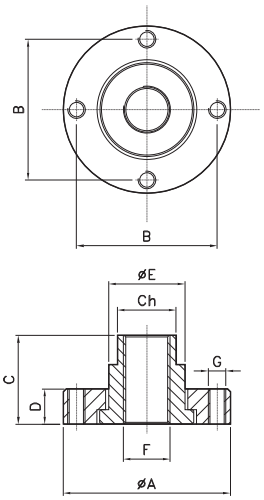


CODE	Ø
AR40689	32
AR40691	40
AR40693	50-63
AR40694	80-100

Ø	A	B	C	D	E	F	G	H	L	CH	CH_1	CH_2	CH_3	B
32	M10x1.25	22	20	5	35	14	2	20	71	12	19	30	32	10
40	M12x1.25	22	24	5	35	14	2	20	75	12	19	30	32	10
50-63	M16x1.5	32	32	8	54	22	2	32	103	20	30	41	45	10
80-100	M20x1.5	32	40	8	54	22	2	40	119	20	30	41	45	10

FLOATING JOINT
GUIDE FLOTTANT
GIUNTO FLOTTANTE

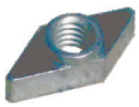


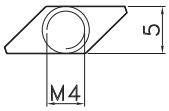


CODE	MATERIAL / **MATIÈRE** / *MATERIALE*
KU0017 Ø	Steel / **Acier** / *Acciaio*

Ø	ØA	B	C	D	ØE	F	G	CH
16	28.5	22.5	15	6	11	M5	M5	8
20	31.5	25.5	18	7.5	14	M8	M5	12
25	31.5	25.5	18	7.5	14	M10	M5	12
32	38	31	19	11	17	M10	M5	15
40	38	31	19	11	17	M12	M5	15
50-63	57	48	27	12	26	M16	M6	20
80-100	63	54	27	12	32	M20	M6	26

VALVE FIXING PLAQUE FOR CY CYLINDERS
FIXATION POUR VALVE SUR VERIN CY
PIASTRINA FISSAGGIO VALVOLA SU CILINDRO CY

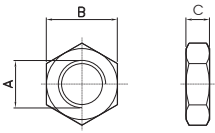




CODE	
AR4213	without screws / **sans vis** / *senza viti*
AR4213V	with screws for VY / **avec vis pour VY** / *con viti per VY*

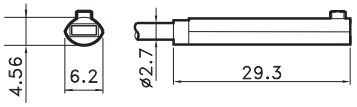
NUT FOR ROD
ECROU DE TIGE
DADO PER STELO

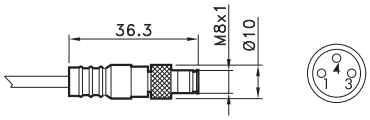
Material: Steel
Matière: Acier
Materiale: Acciaio



CODE	Ø	A	B	C
DAD10X1.25	32	M10X1.25	17	8
DAD12X1.25	40	M12X1.25	19	6
DAD16X1.5	50-63	M16X1.5	22	6
DAD20X1.5	80-100	M20X1.5	30	8
DAD27X2	125	M27X2	41	12
DAD36X2	160-200	M36X2	55	18

OVAL SWITCH
CAPTEUR OVAL
SENSORE OVALE



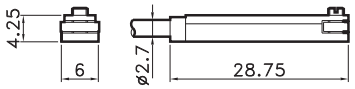


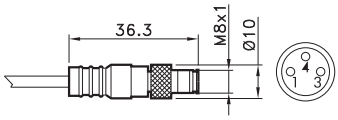
4= black / **noire** / *nero*
1= brown / **brun** / *marrone*
3= blue / **bleu** / *azzurro*

CODE	
AR4019010	REED (MT.2,5) / **REED (MT.2,5)** / *REED (MT.2,5)*
AR4019020	HALL (MT.2,5) / **HALL (MT.2,5)** / *HALL (MT.2,5)*
AR4019110	REED + M8 (CM 30) / **REED + M8** / *REED + M8 (CM 30)*
AR4019120	HALL + M8 (CM 30) / **HALL + M8** / *HALL + M8 (CM 30)*

For technical data see page 1.73
Pour les données techniques, voir page 1.73
Per i dati tecnici vedere pag. 1.73

T SWITCH
CAPTEUR EN T
SENSORE A T



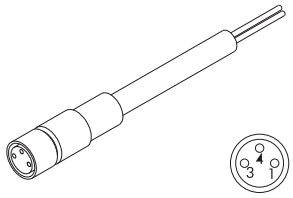


4= black / **noire** / *nero*
1= brown / **brun** / *marrone*
3= blue / **bleu** / *azzurro*

CODE	
AR4023010	REED (MT.2,5) / **REED (MT.2,5)** / *REED (MT.2,5)*
AR4023020	HALL (MT.2,5) / **HALL (MT.2,5)** / *HALL (MT.2,5)*
AR4023110	REED + M8 (CM 30) / **REED + M8** / *REED + M8 (CM 30)*
AR4023120	HALL + M8 (CM 30) / **HALL + M8** / *HALL + M8 (CM 30)*

For technical data see page 1.74
Pour les données techniques, voir page 1.74
Per i dati tecnici vedere pag. 1.74

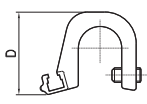
EXTENSION CABLE 2,5 mt
EXTENSION CABLES 2,5 mt
PROLUNGA CAVO 2,5 mt

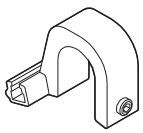


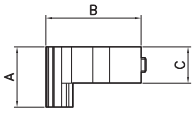
4= black / **noire** / *nero*
1= brown / **brun** / *marrone*
3= blue / **bleu** / *azzurro*

CODE	
AR4300	WITH M8 2 WIRES / **AVEC M8 2 FILS** / *CON M8 2 FILI*
AR4301	WITH M8 3 WIRES / **AVEC M8 3 FILS** / *CON M8 3 FILI*

ADAPTOR FOR 'T' SWITCH FOR CG CYLINDERS
ADAPTATEUR DE CAPTEUR EN "T" POUR VERIN SERIE CG
ADATTATORE SENSORE A 'T' PER CILINDRO SERIE CG







CODE	MATERIAL / **MATIÈRE** / *MATERIALE*
AR4200 Ø	Aluminium / **Aluminium** / *Alluminio*

Ø	A	B	C	D
32-40	24	25	12,5	15
50-63	24	34	12,5	24
80-100	24	34	12,5	24