

AIRWORK microcylinders ISO 6432 are manufactured according to the European DIN/ISO norme, and have bores from 8 to 25 mm. The heads are fixed to the tube through a process of rolling. They are available in different versions: single/double acting, magnetic, cushioned. A complete range of fixing accessories is available, and the production of special cylinders on customer's drawing is possible.

Les micro vérins AIRWORK sont conformes aux normes européennes DIN/ISO 6432, et ils ont des diamètres de 8 jusqu'à 25 mm. Différentes versions et accessoires sont disponibles: simple ou double effet, magnétique ou non, avec ou sans bloqueur.

Una lista completa di accessori è disponibile e noi possiamo également créer des cylindres spéciaux selon la conception du client.

I microcilindri AIRWORK sono realizzati secondo le normative europee DIN/ISO 6432 ed hanno alesaggi compresi tra 8 e 25 mm.

Le testate sono fissate alla camicia mediante rullatura.

Sono realizzabili in differenti versioni, semplice e doppio effetto, magnetici, Ammortizzati.

Sono inoltre disponibili i relativi accessori di fissaggio ed esecuzioni speciali a disegno.



ORDERING CODE / CODIFICATION / CHIAVE DI CODIFICA

MC 3 0 00 M 00 000

Stroke / Course / Corsa

Ø cylinder / Ø vérin / Ø cilindro

M= magnetic / magnétique / magnetico

0= non magnetic / non magnétique / non magnetico

VERSION / VERSION / VERSIONE

16= single acting front spring / simple effet tige rentrée / semplice effetto molla anteriore

17= single acting rear spring / simple effet tige sortie / semplice effetto molla posteriore

18= double acting / double effet / doppio effetto

19= double acting with cushioning / double effet amorti / doppio effetto con ammortizzo

20= double acting through rod / double effet tige traversante / doppio effetto stelo passante

22= d.a. for rod lock / double effet pour bloqueur de tige / d.e. con extrastelo per bloccastelo

24= d.a. with rod lock / double effet avec bloqueur de tige / d.e. con bloccastelo

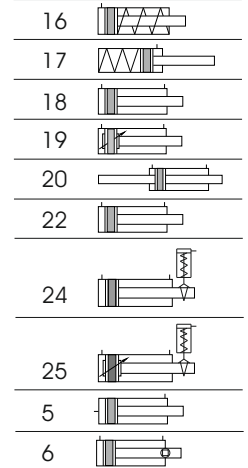
25= d.a. cushioning with rod lock / d.e. amorti avec bloqueur de tige / d.e. amm. con bloccastelo

3= STANDARD / STANDARD / STANDARD

5= feeding in axis - rear part / alimentation dans l'axe arrière / alimentazione in asse parte posteriore

6= anti rotation rod / antirotation tige hexagonale / antirrotazione stelo esagonale

VERSION / VERSIONE / VERSION



STANDARD STROKES / COURSE STANDARD / CORSE STANDARD

Double acting / Double effet / Doppio effetto

Ø8	mm 10-25-50-80-100-125
Ø10	mm 10-25-50-80-100-125
Ø12	mm 10-25-50-80-100-125-160-200
Ø16	mm 10-25-50-80-100-125-160-200-250
Ø20	mm 10-25-50-80-100-125-160-200-250-320
Ø25	mm 10-25-50-80-100-125-160-200-250-320

Cushioning / Avec amortissement / Ammortizzato

Ø16	mm 10-25-50-80-100-125-160-200-250
Ø20	mm 10-25-50-80-100-125-160-200-250-320
Ø25	mm 10-25-50-80-100-125-160-200-250-320

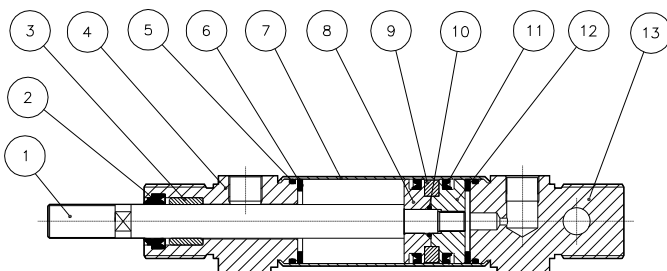
Single acting / Simple effet / Semplice effetto

Ø8	mm 10-25-50
Ø10	mm 10-25-50
Ø12	mm 10-25-50
Ø16	mm 10-25-50
Ø20	mm 10-25-50
Ø25	mm 10-25-50

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	-20C° / +80C°
Max operating pressure / Pression maximum / 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

COMPONENTS / COMPOSANTS / COMPONENTI



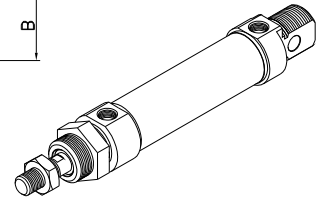
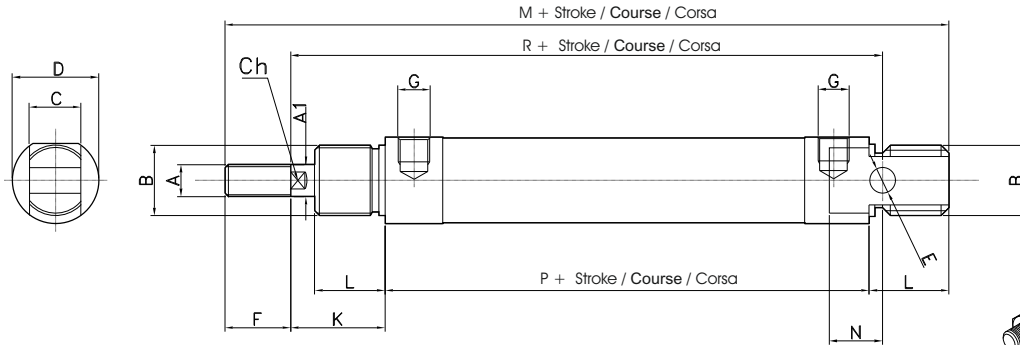
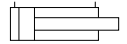
pos.	description / description / descrizione	material / matériel / materiale
1	rod / tige / stelo	stainless steel AISI 303 / acier AISI 303 / acciaio inox 303
2	rod seal / joints tige / guarnizione stelo	polyurethane / polyuréthane / poliuretano
3	guide bush / bague guidage / bussola guida	bronze / bronze / bronzo
4	front cap / fond antérieur / testata anteriore	aluminium / aluminium / alluminio
5	o-ring / joint torique	NBR
6	bumper / butoir / paracolpo	NBR
7	tube / tube / tubo	stainless steel AISI 304 / acier AISI 304 / acciaio inox 304
8	piston / piston / pistone	brass / cuivre / ottone
9	magnet / aimant / magnete	plastroferrite
10	o-ring / joint torique	NBR
11	seal piston / joints piston / guarnizione pist.	polyurethane / polyuréthane / poliuretano
12	piston / piston / pistone	brass / cuivre / ottone
13	rear cap / fond postérieur / testata post.	aluminium / aluminium / alluminio

Double acting / Double effet / Doppio effetto

CODE: MC3018M.Ø.mm



CODE: MC30180.Ø.mm



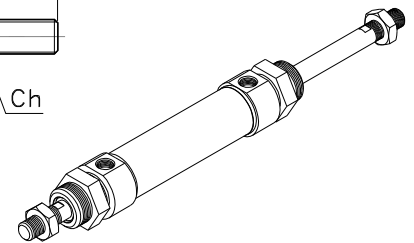
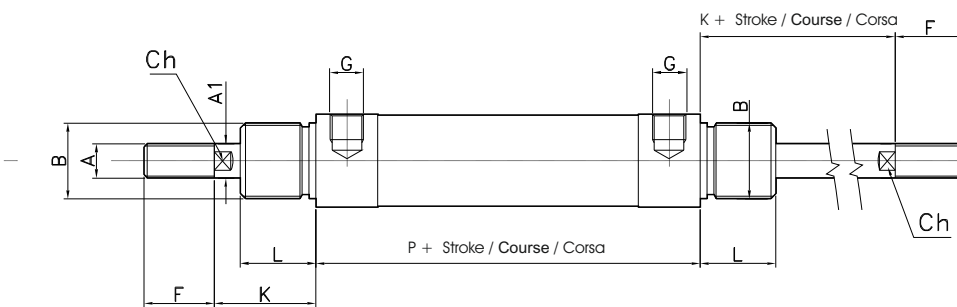
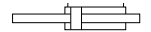
Ø	A	A1	B	C	D	E	F	G	K	L	M	N	P	R	CH
8	M4	4	M12x1.25	8	16	4	12	M5	16	12	86	6	46	64	-
10	M4	4	M12x1.25	8	16	4	12	M5	16	12	86	6	46	64	-
12	M6	6	M16x1.5	12	19	6	16	M5	22	18	104	9	48	75	5
16	M6	6	M16x1.5	12	19	6	16	M5	22	18	109	9	53	82	5
20	M8	8	M22x1.5	16	27	8	20	1/8 G	24	20	131	12	67	95	7
25	M10x1.25	10	M22x1.5	16	30	8	22	1/8 G	28	22	140	12	68	104	9

Double acting through rod / Double effet tige traversante / Doppio effetto stelo passante

CODE: MC3020M.Ø.mm



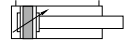
CODE: MC30200.Ø.mm



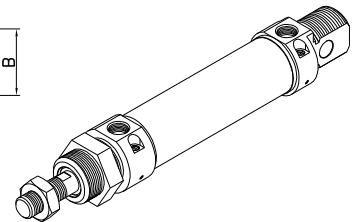
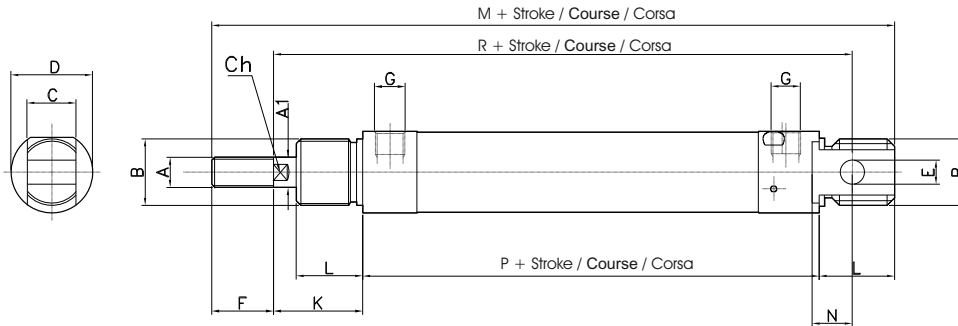
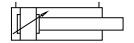
Ø	A	A1	B	D	F	K	L	P	G	CH
8	M4	4	M12x1.25	16	12	16	12	46	M5	-
10	M4	4	M12x1.25	16	12	16	12	46	M5	-
12	M6	6	M16x1.5	19	16	22	18	48	M5	5
16	M6	6	M16x1.5	19	16	22	18	53	M5	5
20	M8	8	M22x1.5	27	20	24	20	67	1/8 G	7
25	M10x1.25	10	M22x1.5	30	22	28	22	68	1/8 G	9

Double acting with cushioning / Double effet amorti / Doppio effetto con ammortizzo

CODE: MC3019M.Ø.mm



CODE: MC30190.Ø.mm



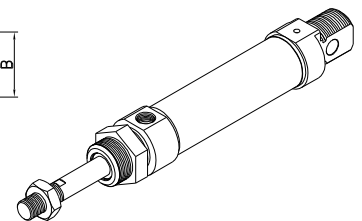
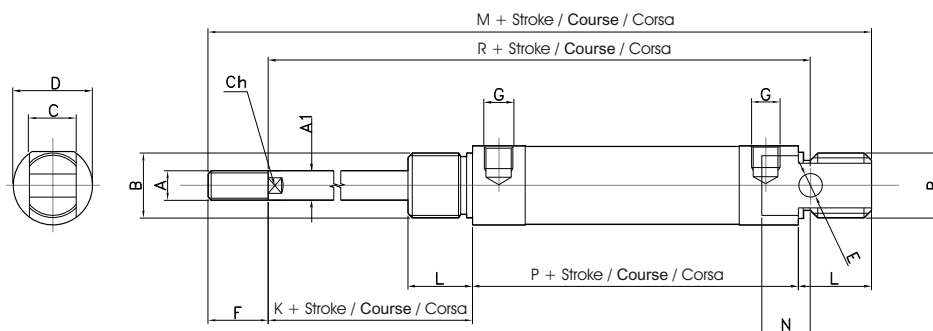
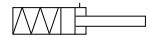
Ø	A	A1	B	C	D	E	F	G	K	L	M	N	P	R	CH
16	M6	6	M16x1.5	12	21	6	16	M5	22	17	109	9	55	82	5
20	M8	8	M22x1.5	16	27	8	20	1/8 G	24	20	131	12	67	95	7
25	M10x1.25	10	M22x1.5	16	30	8	22	1/8 G	28	22	140	12	68	104	9

Single acting rear spring / Simple effet tige sortie / Semplice effetto molla posteriore

CODE: MC3017M.Ø.mm



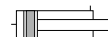
CODE: MC30170.Ø.mm



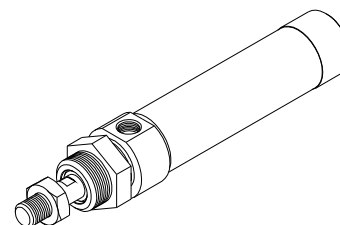
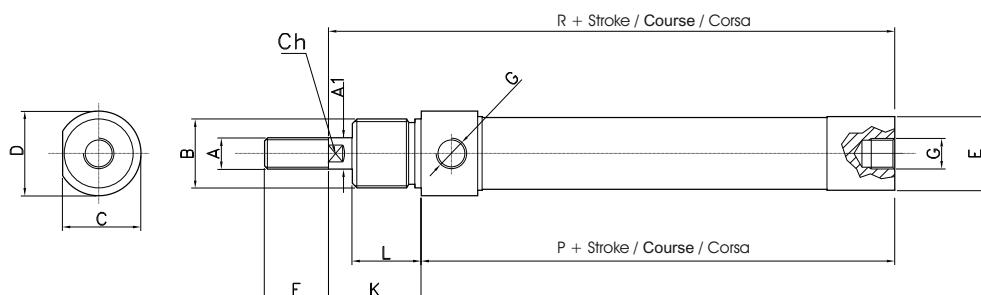
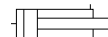
Ø	A	A1	B	C	D	E	F	G	K	L	M	N	P	R	CH
8	M4	4	M12x1.25	8	16	4	12	M5	16	12	104	6	64	82	/
10	M4	4	M12x1.25	8	16	4	12	M5	16	12	111.5	6	71.5	89.5	/
12	M6	6	M16x1.5	12	19	6	16	M5	22	18	126.5	9	70.5	97.5	5
16	M6	6	M16x1.5	12	19	6	16	M5	22	18	138	9	82	111	5
20	M8	8	M22x1.5	16	27	8	20	1/8 G	24	20	162.5	12	98.5	126.5	7
25	M10x1.25	10	M22x1.5	16	30	8	22	1/8 G	28	22	171.5	12	99.5	135.5	9

Double acting feeding in axis - rear part / Double effet alimentation arriere en axe / Doppio effetto alimentazione in asse parte posteriore

CODE: MC5018M.Ø.mm



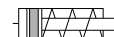
CODE: MC50180.Ø.mm



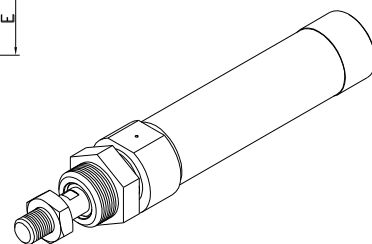
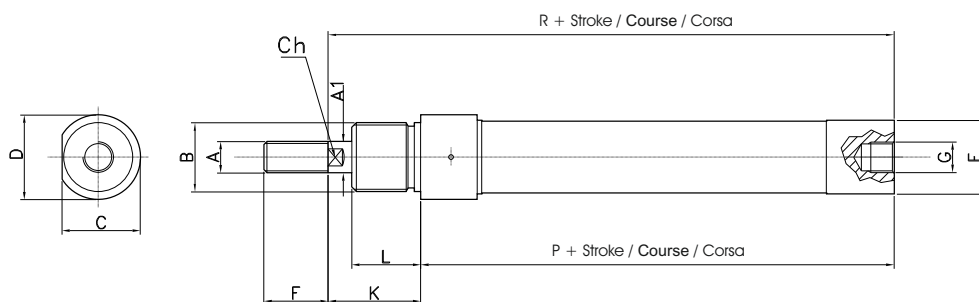
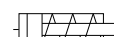
Ø	A	A1	B	C	D	E	F	G	K	L	P	R	CH
16	M6	6	M16x1.5	18	19	17.2	16	M5	22	18	52	74	5
20	M8	8	M22x1.5	25.5	27	22.2	20	1/8 G	24	20	65	89	7
25	M10x1.25	10	M22x1.5	28.5	30	27	22	1/8 G	28	22	66	94	9

Single acting front spring feeding in axis - rear part
Simple effet tige rentree alimentation dans l'axe arriere
Semplice effetto molla anteriore alimentazione in asse parte posteriore

CODE: MC5016M.Ø.mm



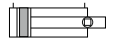
CODE: MC50160.Ø.mm



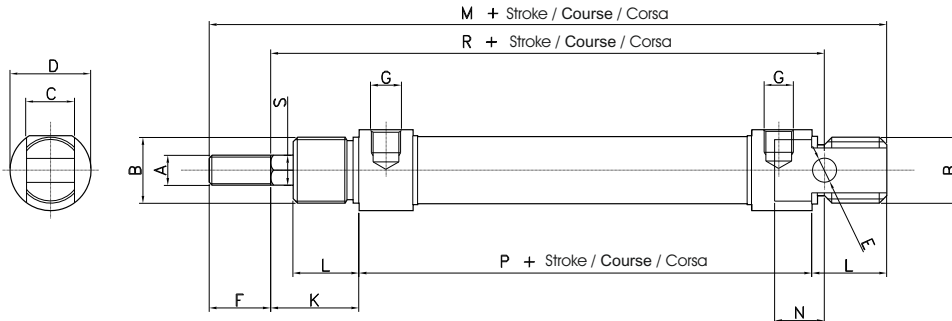
Ø	A	A1	B	C	D	F	G	K	L	P	R	CH
16	M6	6	M16x1.5	18	19	16	M5	22	18	52	74	5
20	M8	8	M22x1.5	25.5	27	20	1/8 G	24	20	65	89	7
25	M10x1.25	10	M22x1.5	28.5	30	22	1/8 G	28	22	66	94	9

Double acting anti rotation rod / Double effet antirotation tige hexagonale / Doppio effetto antirotazione stelo esagonale

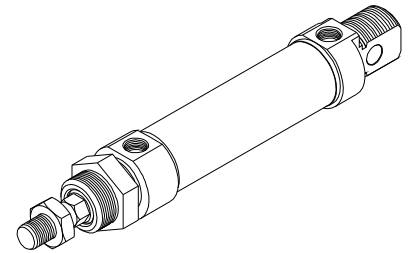
CODE: MC6018M.Ø.mm



CODE: MC60180.Ø.mm



Ø	A	B	C	D	E	F	G	K	L	M	N	P	R	S
16	M6	M16x1.5	12	19	6	16	M5	22	18	109	9	53	82	6
20	M8	M22x1.5	16	27	8	20	1/8 G	24	20	131	12	67	95	8
25	M10x1.25	M22x1.5	16	30	8	22	1/8 G	28	22	140	12	68	104	10

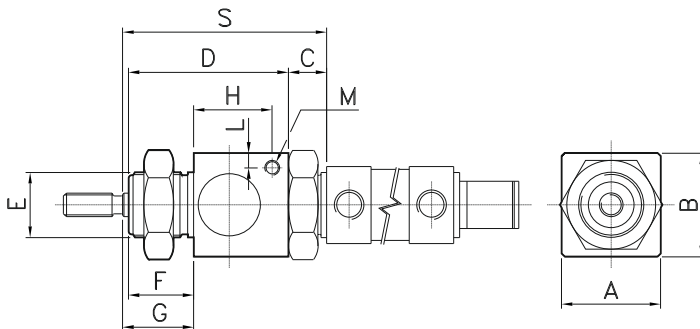


Double acting cushioning with rod lock / Double effet amorti avec bloqueur de tige / Doppio effetto ammortizzato con bloccastelo

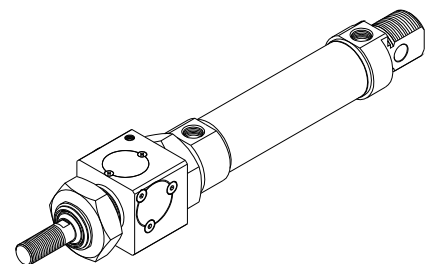
CODE: MC6018M.Ø.mm



CODE: MC60180.Ø.mm



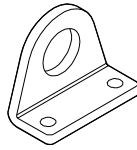
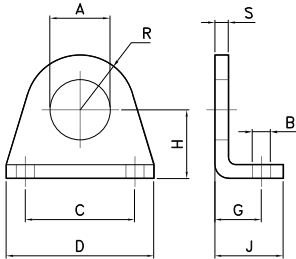
Ø	A	B	C	D	E	F	G	H	L	M	S	T	Peso (Kg) Weight (Kg) Poids (Kg)
20	34	35	13	54	M22x1.5	22	26	27	5	M5	71	47	0.190
25	34	35	13	54	M22x1.5	22	28	27	5	M5	73	45	0.190



CYLINDERS ISO 6432 / MICROVERINS ISO 6432 / CILINDRI ISO 6432 / Actuatoirs / Actionneurs / Attuatori

ACCESSORIES FOR CYLINDERS ISO 6432
 ACCESSOIRES POUR VERIN ISO 6432
 ACCESSORI PER CILINDRI ISO 6432

Material: Steel
 Matériel : Acier
 Materiale: Acciaio

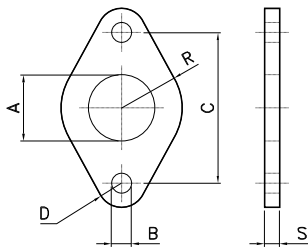


PEDESTAL
 EQUERRE
 PIEDINO

CODE	Ø
AR415508	8-10
AR415512	12-16
AR415520	20-25

Ø	A	B	C	D	G	H	J	R	S	Peso (g) Weight (g) Poids (g)
8-10	12	4.5	25	35	11	16	16	10	3	20
12-16	16	5.5	32	42	14	20	20	12.5	4	40
20-25	22	6.6	40	54	17	25	25	20	5	90

Material: Steel
 Matériel : Acier
 Materiale: Acciaio

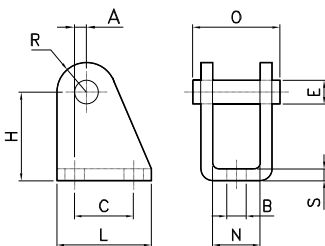


FLANGE
 BRIDE
 FLANGIA

CODE	Ø
AR415708	8-10
AR415712	12-16
AR415720	20-25

Ø	A	B	C	D	R	S	Peso (g) Weight (g) Poids (g)
8-10	12	4.5	30	5	11	3	12
12-16	16	5.5	40	6	15	4	26
20-25	22	6.6	50	8	20	5	50

Material: Steel
 Matériel : Acier
 Materiale: Acciaio

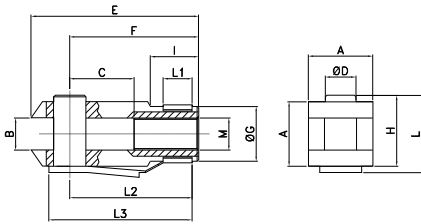
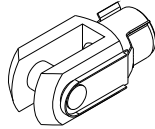


FEMALE HINGE
 CHAPE ARRIERE
 CERNIERA FEMMINA

CODE	Ø
AR415408	8-10
AR415412	12-16
AR415420	20-25

Ø	B	E	C	H	L	N	O	R	S	Peso (g) Weight (g) Poids (g)
8-10	4.5	4	12.5	24	20	8.1	17	5	2.5	20
12-16	5.5	6	15	27	25	12.1	23	7	3	36
20-25	6.6	8	20	30	32	16.1	29.5	10	4	78

Material: Steel
Matériel : Acier
Materiale: Acciaio

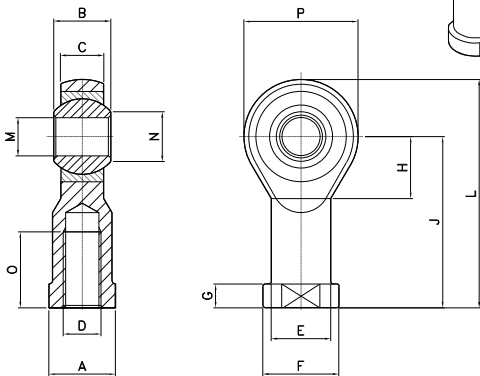


YOKE WITH CLIPS
CHAPE DE TIGE
FORCELLA CON CLIPS

CODE	Ø
AR40670	8-10
AR40671	12-16
AR40672	20
AR40673	25

Ø	A	B	C	D	E	F	G	H	I	M	L	L1	L2	L3
8/10	8	4	8	4	21	16	8	9	6	M4	11	5	15	19
12/16	12	6	12	6	31	24	10	14	9	M6	16	6	23	28
20	16	8	16	8	42	32	14	19	12	M8	22	8	31	37
25	20	10	20	10	52	40	18	23	15	M10x1.25	26	10	39	46

Material: Steel
Matériel : Acier
Materiale: Acciaio

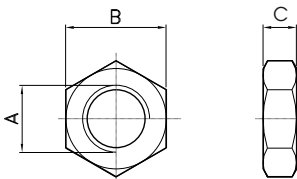
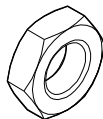


ROD ENDS
CHAPE DE TIGE ROTULÉE
TESTA A SNODO

CODE	Ø
AR40655	8-10
AR40656	12-16
AR40657	20
AR40660	25

Ø	A	B	C	D	E	F	G	H	J	L	M	N	O	P
8-10	9	8	6	M4	9	11	4	10	27	36	5	7.7	10	18
12-16	11	9	6.75	M6	10	13	5	11	30	40	6	8.9	12	20
20	14	12	9	M8	12.5	16	5	13	36	48	8	10.4	16	24
25	17	14	10.5	M10x1.25	15	19	6.5	15	43	57	10	12.9	20	28

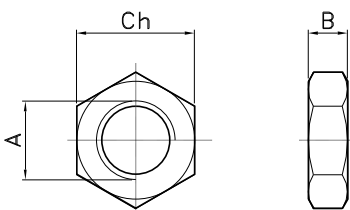
Material: Steel
Matériel : Acier
Materiale: Acciaio



NUT FOR ROD
ECROU POUR TIGE
DADO PER STELO

CODE	Ø	A	B	C
DAN4	8-10	M4	7	3
DAN6	12-16	M6	10	5
DAN8	20	M8	13	6.5
DAN10X1,25	25	M10X1,25	17	8

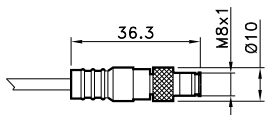
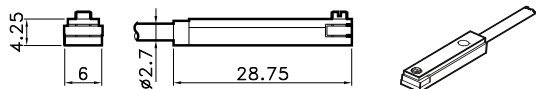
Material: Steel
Matériel : Acier
Materiale: Acciaio



NUT FOR CAP
ECROU DE NEZ
DADO PER TESTATA

CODE	Ø
DAD12X1,25	8-10
DAD16X1,5	12-16
DAD22X1,5	20-25

Ø	A	B	Ch	Weight (g) Poids (g) Peso (g)
8-10	M12x1.25	7	19	12
12-16	M16x1.5	8	24	20
20-25	M22x1.5	10	32	35



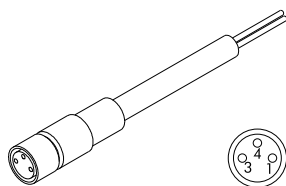
4= black / noire / nero
1= brown / brun / marrone
3= blue / bleu / azzurro

T SWITCH / CAPTEUR A T / SENSORE A T

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

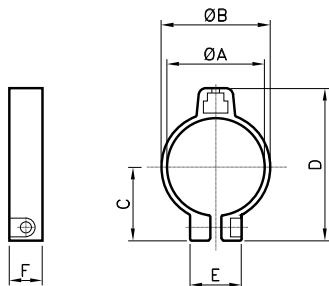
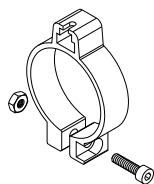


4= black / noire / nero
1= brown / brun / marrone
3= blue / bleu / azzurro

EXTENSION CABLE 2,5 mt / EXTENSION CÂBLE 2,5 mt / PROLUNGA CAVO 2,5 mt

CODE

AR4300	WITH M8 2 WIRES / M8 AVEC 2 CÂBLES / CON M8 2 FILI
AR4301	WITH M8 3 WIRES / M8 AVEC 3 CÂBLES / CON M8 3 FILI



ADAPTOR FOR T SWITCH
ADAPTER CAPTEUR A T
ADATTATORE SENSORE A T

CODE	Ø
AR4199008	8
AR4199010	10
AR4199012	12
AR4199016	16
AR4199020	20
AR4199025	25

Ø	A	B	C	D	E	F
8	9.3	12.3	11.1	23.9	12.3	9
10	11.3	14.3	12.2	25.9	12.3	9
12	13.3	16.3	13.2	28	12.3	9
16	17.3	20.3	15.3	32.1	12.3	9
20	21.3	24.3	17.4	36.2	14	9
25	26.5	29.5	20	41.4	14	9