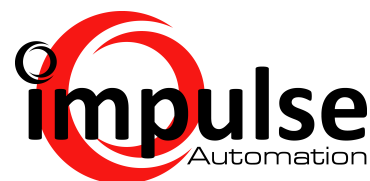




SERIE

K

CILINDRI COMPATTI
COMPACT CYLINDERS



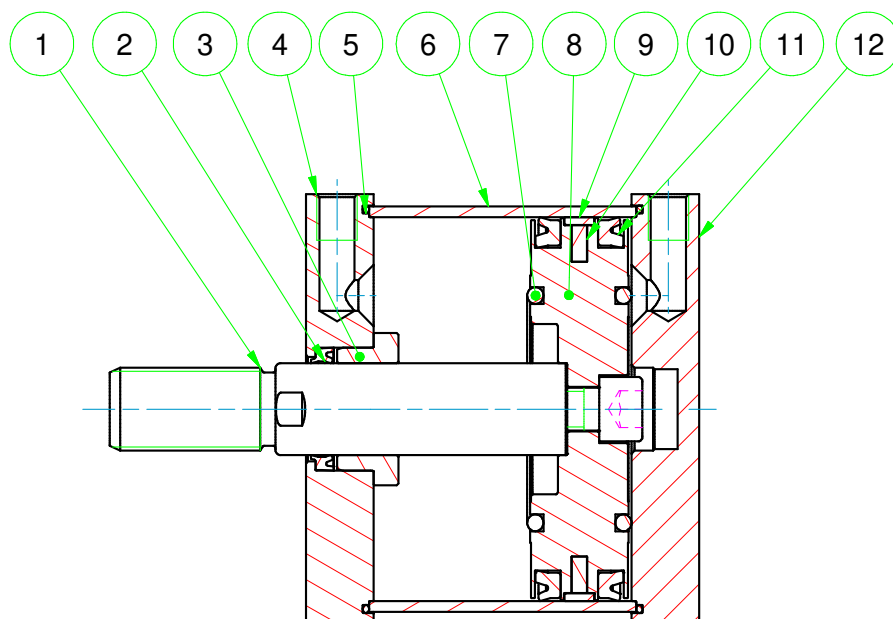
Email: sales@impulseautomation.co.uk
Website: www.impulseautomation.co.uk

CARATTERISTICHE TECNICHE - TECHNICAL CHARACTERISTICS

Pressione di esercizio <i>Working pressure</i>	1 ÷ 10 bar (doppio effetto - <i>double acting</i>) 2 ÷ 10 bar (semplice effetto - <i>single acting</i>)
Temperatura di esercizio <i>Working temperature</i>	0 ÷ +80°C (-20°C con aria secca - <i>with dry air</i>) 0 ÷ +150°C (con guarnizioni per alte temperature - <i>with high temperature seals</i>)
Versioni - Versions	semplice effetto (molla anteriore) - doppio effetto - antirotazione - stelo passante <i>single acting (front spring) - double acting - anti-rotation - double rod</i>
Alesaggi - Bores	Ø 125 - 160 - 200 - 250
Corse - Strokes	vedere tabelle corse standard - <i>see standard stroke tables</i>
Fluido - Fluid	aria compressa filtrata, non lubrificata - <i>compressed filtered, non lubricated air</i>

CARATTERISTICHE COSTRUTTIVE - CONSTRUCTIVE CHARACTERISTICS

①	Stelo - Rod	acciaio inox AISI 303 - <i>stainless steel AISI 303</i>
② ⑪	Guarnizioni - Seals	poliuretano - <i>polyurethane</i>
③	Boccola - Bush	ottone - <i>brass</i>
④ ⑫	Testate - Covers	alluminio anodizzato - <i>anodized aluminium</i>
⑤	O-ring	NBR
⑥	Tubo - Tube	alluminio anodizzato - <i>anodized aluminium</i>
⑦	Paracolpo - Bumper	NBR
⑧	Pistone - Piston	alluminio - <i>aluminium</i>
⑨	Fascia di guida - Guide ring	PBT+PTFE
⑩	Magnete - Magnet	plastoferrite - <i>rubber magnet</i>
	Tiranti - Tie rods	acciaio - <i>steel</i>
	Viti - Screws	acciaio - <i>steel</i>
	Molla - Spring	acciaio - <i>steel</i>



CHIAVE DI CODIFICA

KEY CODE

K D M 2 0 0 . 1 0 0 . G S . F															
				ALESAGGIO - BORE (Ø)		CORSA - STROKE (mm)						OPZIONE - OPTION			
				125 - 160 - 200 - 250		vedere tabelle corse std see std stroke tables						EX ATEX  II 2GD cT4			
				VERSIONE - VERSION								STELO - ROD			
				P stelo passante double rod								F femmina female			
				A con staffa antirotazione with anti-rotation bracket								M maschio male			
				VERSIONE - VERSION								GUARNIZIONI - SEALS			
				M magnetico magnetic								GS guarnizioni standard standard seals			
				non magnetico non-magnetic								VR guarnizione stelo per alte temperature high temperature rod seal			
				VERSIONE - VERSION								VA tutte le guarnizioni per alte temperature all seals for high temperature			
				S semplice effetto molla anteriore single acting front spring											
				D doppio effetto double acting											
SERIE - SERIES															
K tubo tondo con tiranti round tube with tie rods															

SERIE
K

Cilindri tandem vedi pagina 338
Tandem cylinders see page 338

ESECUZIONI A RICHIESTA - ON REQUEST

Stelo forato - *Hollow rod*

Stelo prolungato (W) - *Extended rod (W)*

Filetti speciali (dado stelo non fornito) - *Special thread (without rod nut)*

ATEX  II 2GD c T4

FORZE TEORICHE DI TRAZIONE (P=6bar)

THEORETICAL FORCES OF TRACTION (P=6bar)

		Ø	125	160	200	250
KD - KDM	SPINTA THRUST	[N]	7.363	12.064	18.850	29.452
	TRAZIONE TRACTION	[N]	6.940	11.310	18.095	28.700
KDP - KDMP	SPINTA THRUST	[N]	6.940	11.310	18.095	28.700
	TRAZIONE TRACTION	[N]	6.940	11.310	18.095	28.700

DIAGRAMMA TEORICO CARICO AMMISSIBILE

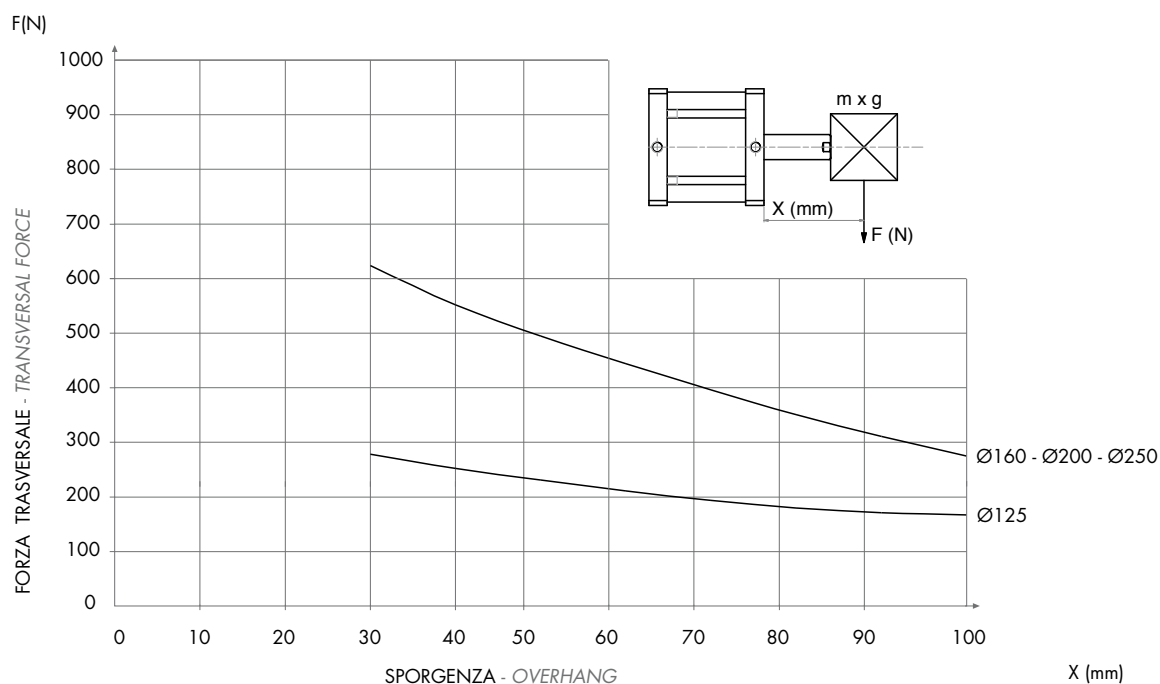
KS

KSM

KD

KDM

THEORETICAL ALLOWABLE LOAD



SERIE
K

DIAGRAMMA TEORICO CARICO AMMISSIBILE

KDA

KDMA

THEORETICAL ALLOWABLE LOAD

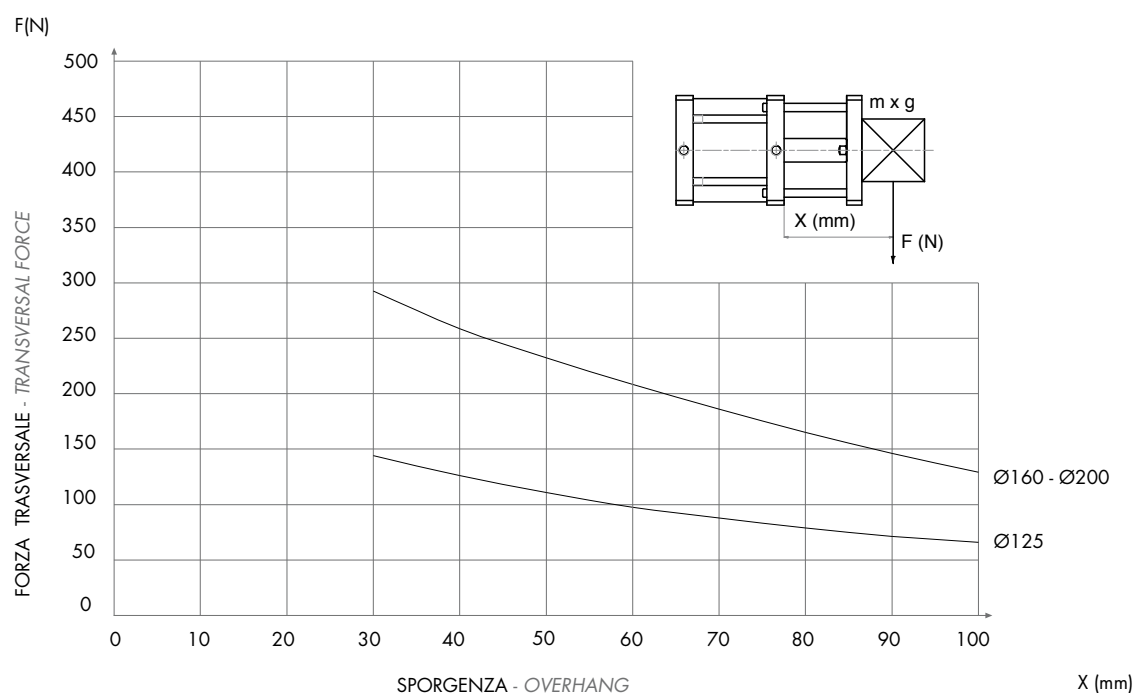


DIAGRAMMA TEORICO COPPIA AMMISSIBILE

KDA

KDMA

THEORETICAL ALLOWABLE TORQUE

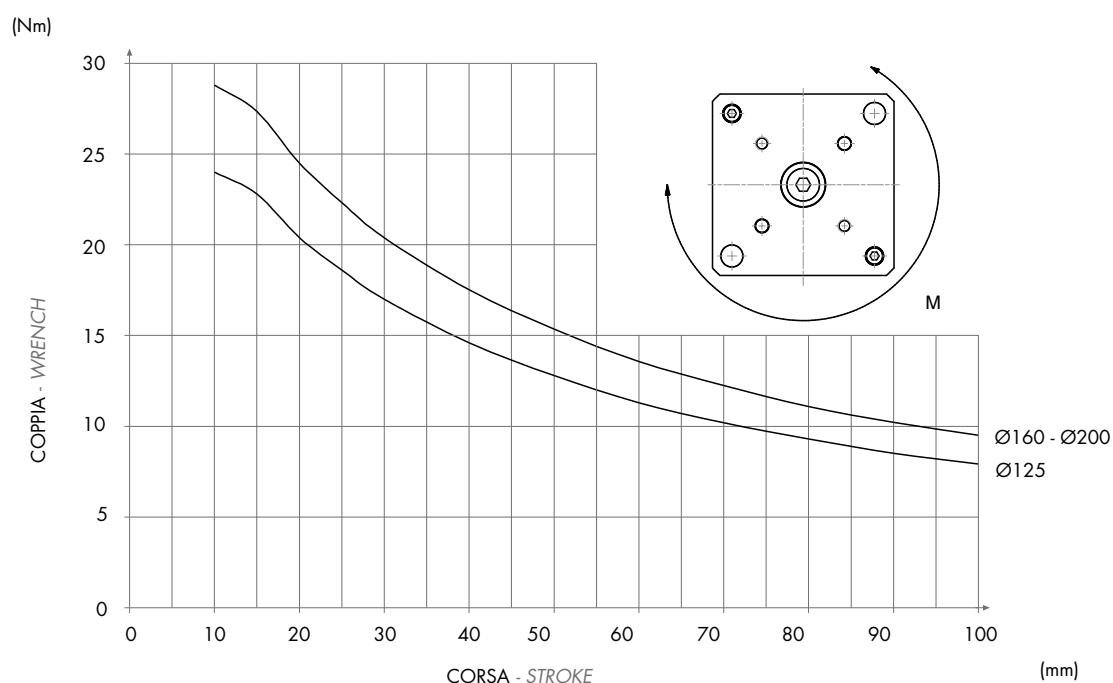


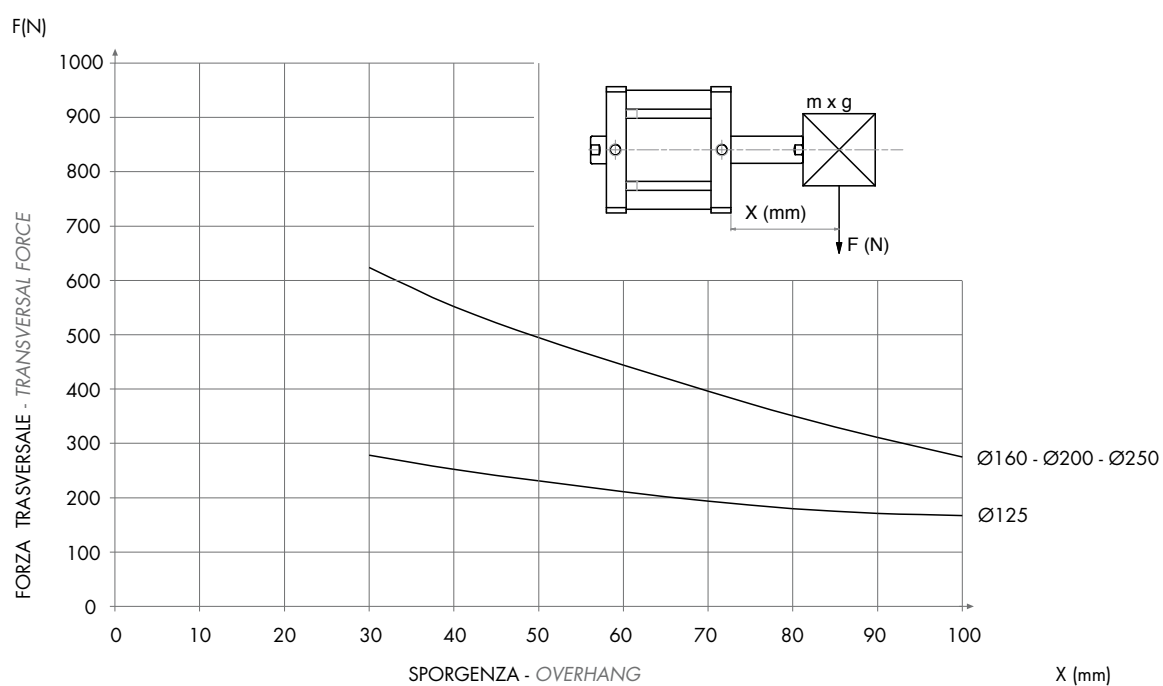
DIAGRAMMA TEORICO CARICO AMMISSIBILE

KDP

KDMP

SERIE
K

THEORETICAL ALLOWABLE LOAD

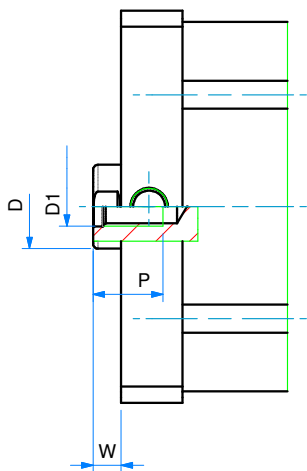
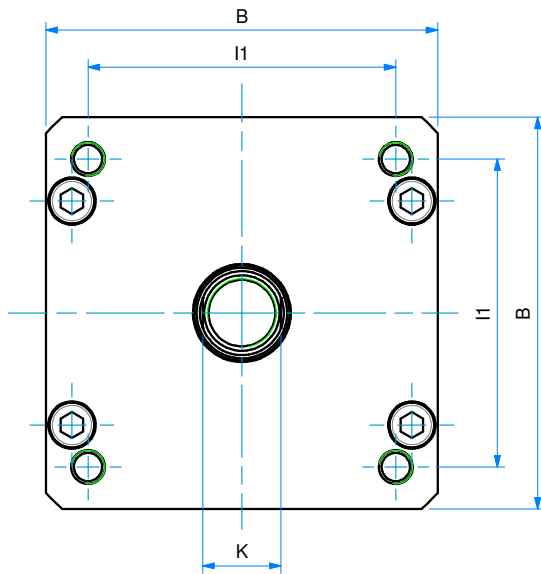
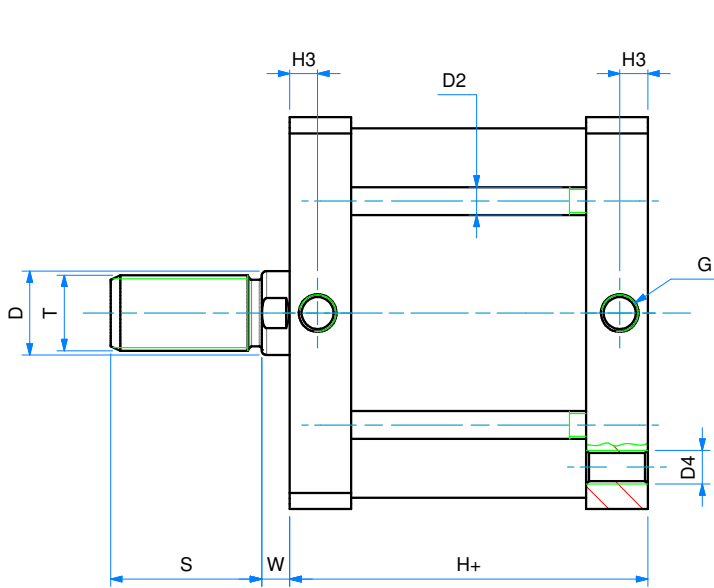
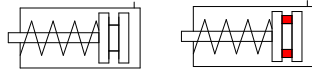


SEMPLICE EFFETTO (MAGNETICO) - MOLLA ANTERIORE

KS

KSM

SINGLE ACTING (MAGNETIC) - FRONT SPRING



Ø	CORSE STANDARD - STANDARD STROKES
125	10 - 25 - 50
160	10 - 25 - 50
200	10 - 25 - 50

DIMENSIONI - DIMENSIONS			
Ø	125	160	200
B	140	180	220
Ø D	30	40	40
D1	M14	M20	M20
Ø D2	10	12	14
D4	M12	M16	M16
G	G1/4	G3/8	G3/8
H+	78	87	87
H+ viton	83	91	105
H3	10	12	12
I1	110	140	175
K	28	36	36
P	25	30	30
S	54	72	72
T	M27x2	M36x2	M36x2
W	10	12	12

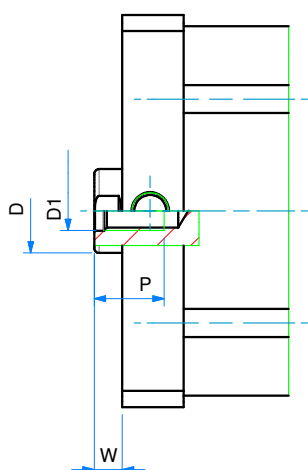
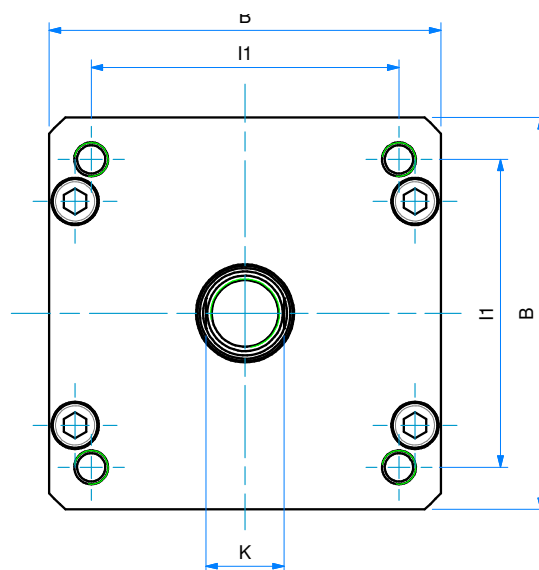
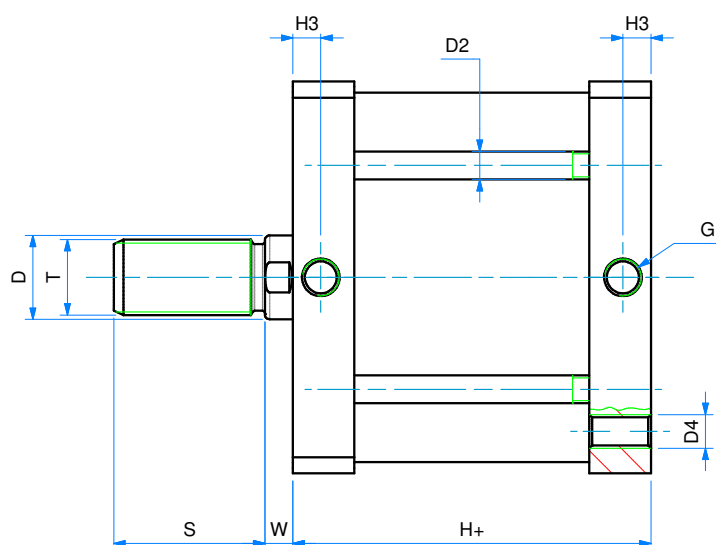
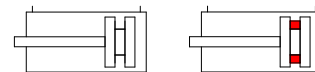
+ = aggiungere lunghezza corsa (mm) - add stroke length (mm)

DOPPIO EFFETTO (MAGNETICO)

KD

KDM

DOUBLE ACTING (MAGNETIC)

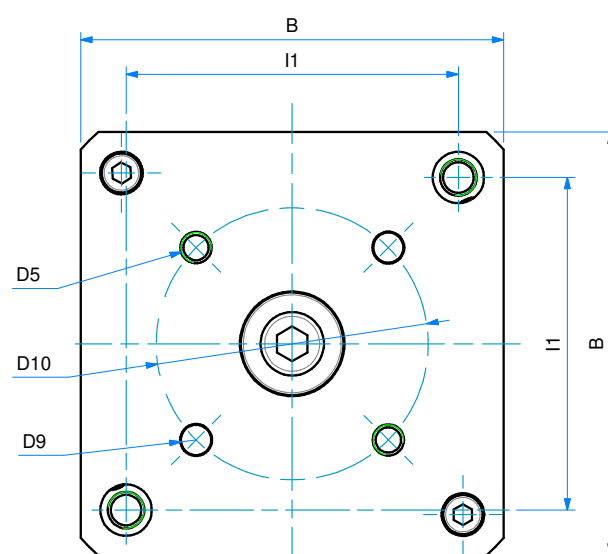
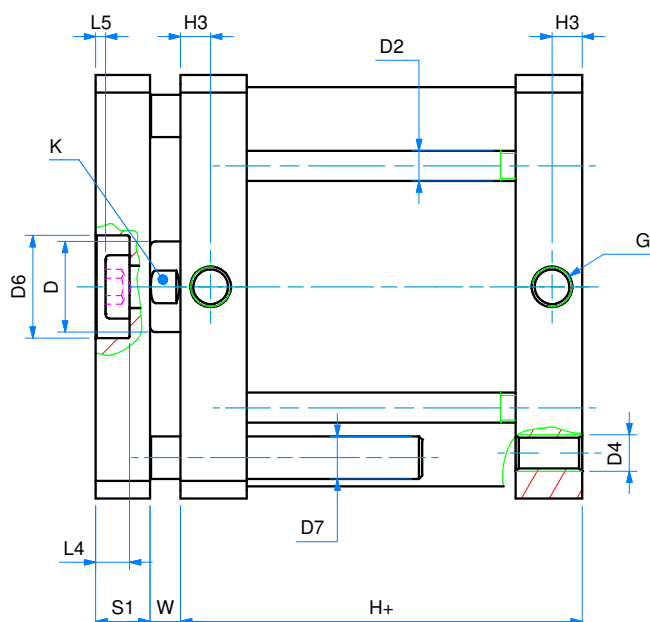
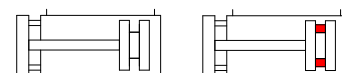


Ø	CORSE STANDARD - STANDARD STROKES
125	10 - 25 - 50 - 75 - 100 - 125 - 160 - 200 - 250 - 300
160	10 - 25 - 50 - 75 - 100 - 125 - 160 - 200 - 250 - 300
200	10 - 25 - 50 - 75 - 100 - 125 - 160 - 200 - 250 - 300
250	10 - 25 - 50 - 75 - 100 - 125 - 160 - 200 - 250 - 300

DIMENSIONI - DIMENSIONS

	125	160	200	250
B	140	180	220	270
Ø D	30	40	40	40
D1	M14	M20	M20	M24
Ø D2	10	12	14	16
D4	M12	M16	M16	M20
G	G1/4	G3/8	G3/8	G1/2
H+	78	87	87	116
H + viton	83	91	105	116
H3	10	12	12	15
I1	110	140	175	220
K	28	36	36	36
P	25	30	30	35
S	54	72	72	72
T	M27x2	M36x2	M36x2	M36x2
W	10	12	12	12

+ = aggiungere lunghezza corsa (mm) - add stroke length (mm)

DOPPIO EFFETTO (MAGNETICO) ANTIROTAZIONE**DOUBLE ACTING (MAGNETIC) ANTI-ROTATION**SERIE
K**DIMENSIONI - DIMENSIONS**

Ø	125	160	200
B	140	180	220
Ø D	30	40	40
D1	M14	M20	M20
Ø D2	10	12	14
D4	M12	M16	M16
D5	M10	M12	M12
Ø D6	34	46	46
Ø D7	14	20	20
Ø D9	10	12	12
Ø D10	90	110	110
G	G1/4	G3/8	G3/8
H+	78	87	87
H + viton	83	91	105
H3	10	12	12
I1	110	140	175
K	28	36	36
L4	12	16	16
L5	3	3	3
S1	18	23	23
W	10	12	12

Ø CORSE STANDARD - STANDARD STROKES**125** 10 - 25 - 50 - 75 - 100 - 125 - 160 - 200 - 250 - 300**160** 10 - 25 - 50 - 75 - 100 - 125 - 160 - 200 - 250 - 300**200** 10 - 25 - 50 - 75 - 100 - 125 - 160 - 200 - 250 - 300

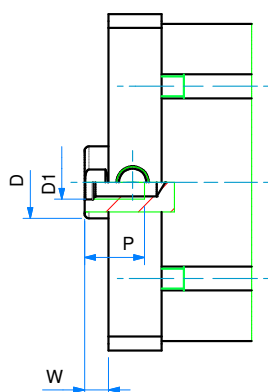
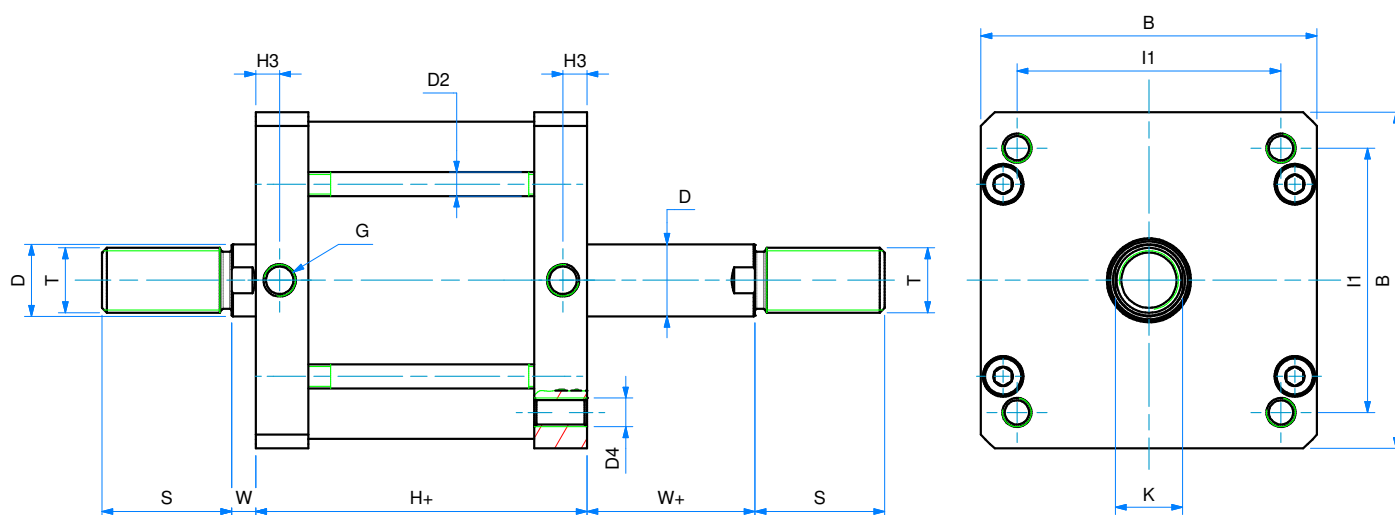
+ = aggiungere lunghezza corsa (mm) - add stroke length (mm)

DOPPIO EFFETTO (MAGNETICO) STELO PASSANTE

KDP

KDMP

DOUBLE ACTING (MAGNETIC) WITH DOUBLE ROD



DIMENSIONI - DIMENSIONS

Ø	125	160	200	250
B	140	180	220	270
Ø D	30	40	40	40
D1	M14	M20	M20	M24
Ø D2	10	12	14	16
D4	M12	M16	M16	M20
G	G1/4	G3/8	G3/8	G1/2
H+	78	87	87	116
H + viton	83	91	105	116
H3	10	12	12	15
I1	110	140	175	220
K	28	36	36	36
P	25	30	30	35
S	54	72	72	72
T	M27x2	M36x2	M36x2	M36x2
W	10	12	12	12
W+	10	12	12	12

+ = aggiungere lunghezza corsa (mm) - add stroke length (mm)

Ø	CORSE STANDARD - STANDARD STROKES
125	10 - 25 - 50 - 75 - 100 - 125 - 160 - 200 - 250 - 300
160	10 - 25 - 50 - 75 - 100 - 125 - 160 - 200 - 250 - 300
200	10 - 25 - 50 - 75 - 100 - 125 - 160 - 200 - 250 - 300
250	10 - 25 - 50 - 75 - 100 - 125 - 160 - 200 - 250 - 300

CILINDRI TANDEM - TANDEM CYLINDERS

CHIAVE DI CODIFICA - KEY CODE

K T2 M 1 6 0 . 0 5 0 . G S . M

VERSIONE - VERSION

- T2 tandem doppia spinta
double thrust tandem
- T3 tandem tripla spinta
3 x force
- T4 tandem quadrupla spinta
4 x force

K C M 1 2 5 . 0 5 0 . 1 0 0 . G S . F

ALESAGGIO - BORE (Ø)
125 - 160 - 200 - 250

I° CORSA (mm)
I° STROKE (mm)
vedere tabelle corse std
see std stroke tables

II° CORSA (mm)
II° STROKE (mm)
vedere tabelle corse std
see std stroke tables

STELO - ROD
F femmina
female
M maschio
male

VERSIONE - VERSION

- M magnetico
magnetic
- non magnetico
non-magnetic

VERSIONE - VERSION

- P tandem più posizioni doppio effetto
multi-position double acting tandem
- C tandem contrapposti posteriori doppio effetto
rear opposed double acting tandem
- F tandem contrapposti anteriori doppio effetto
front opposed double acting tandem

GUARNIZIONI - SEALS

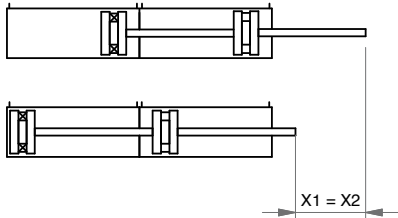
- GS guarnizioni standard
standard seals
- VR guarnizione stelo per alte temperature
high temperature rod seal
- VA tutte le guarnizioni per alte temperature
all seals for high temperature

SERIE
K

SERIE - SERIES

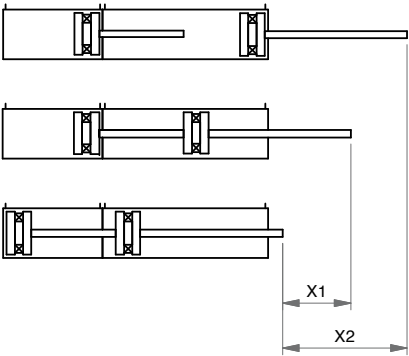
- K tubo tondo con tiranti
round tube with tie rods

DOPPIA SPINTA - DOUBLE THRUST

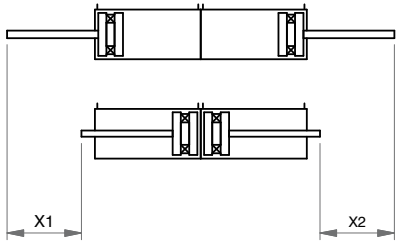


X1= 1° corsa - 1° stroke
X2= 2° corsa - 2° stroke

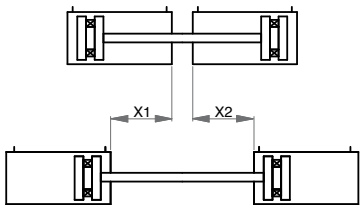
PIÙ POSIZIONI - MULTI-POSITIONS



CONTRAPPOSTI POSTERIORI - REAR OPPOSED



CONTRAPPOSTI ANTERIORI - FRONT OPPOSED

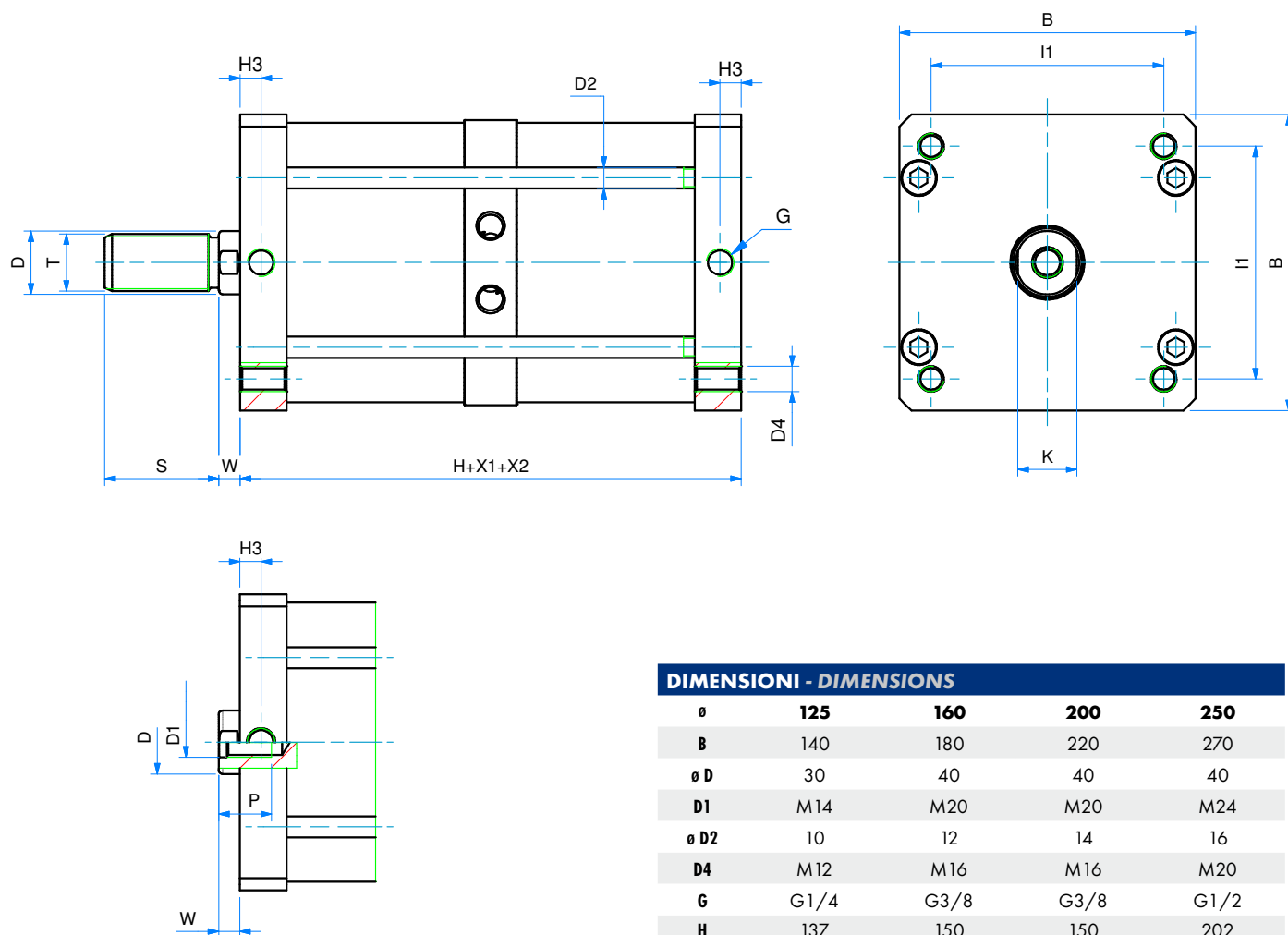


TANDEM DOPPIA SPINTA D.E.(M)

KT

KTM

DOUBLE THRUST TANDEM D.A.(M)



SERIE
K

DIMENSIONI - DIMENSIONS

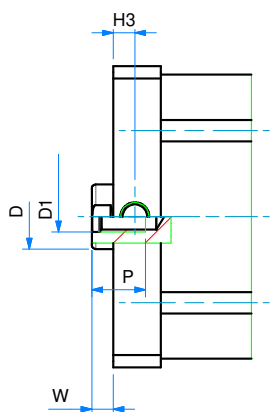
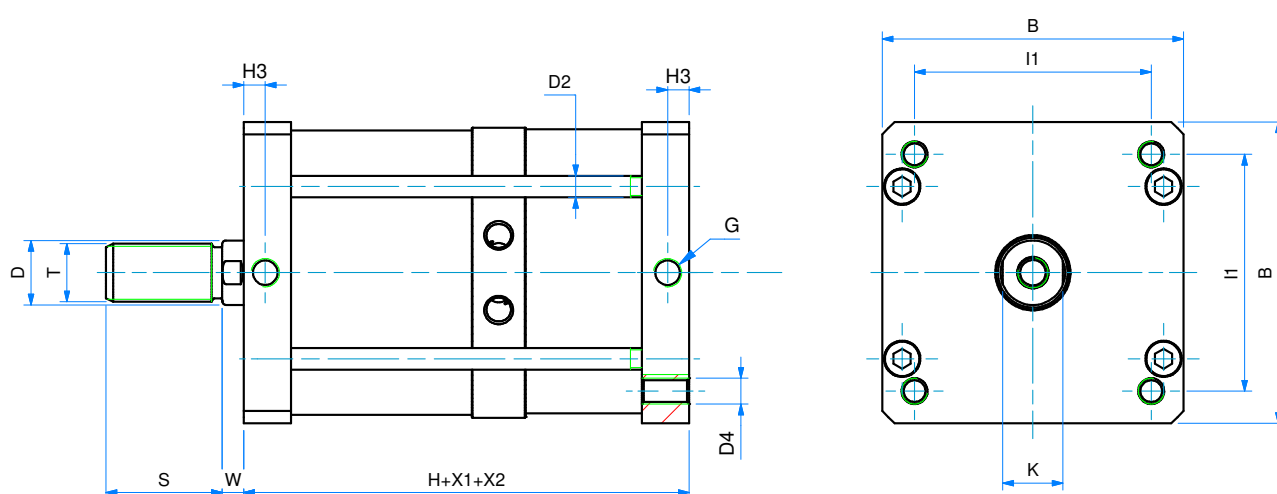
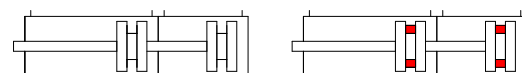
ø	125	160	200	250
B	140	180	220	270
ø D	30	40	40	40
D1	M14	M20	M20	M24
ø D2	10	12	14	16
D4	M12	M16	M16	M20
G	G1/4	G3/8	G3/8	G1/2
H	137	150	150	202
H viton	147	158	186	202
H3	10	12	12	15
I1	110	140	175	220
K	28	36	36	36
P	25	30	30	35
S	54	72	72	72
T	M27x2	M36x2	M36x2	M36x2
W	10	12	12	12
X1	I° CORSA I° STROKE	I° CORSA I° STROKE	I° CORSA I° STROKE	I° CORSA I° STROKE
X2	II° CORSA II° STROKE	II° CORSA II° STROKE	II° CORSA II° STROKE	II° CORSA II° STROKE

TANDEM PIÙ POSIZIONI D.E.(M)

KP

KPM

MULTI-POSITION TANDEM D.A.(M)



DIMENSIONI - DIMENSIONS

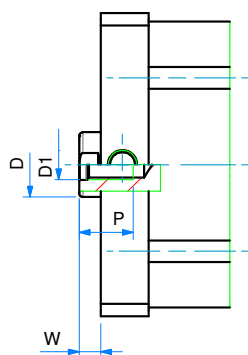
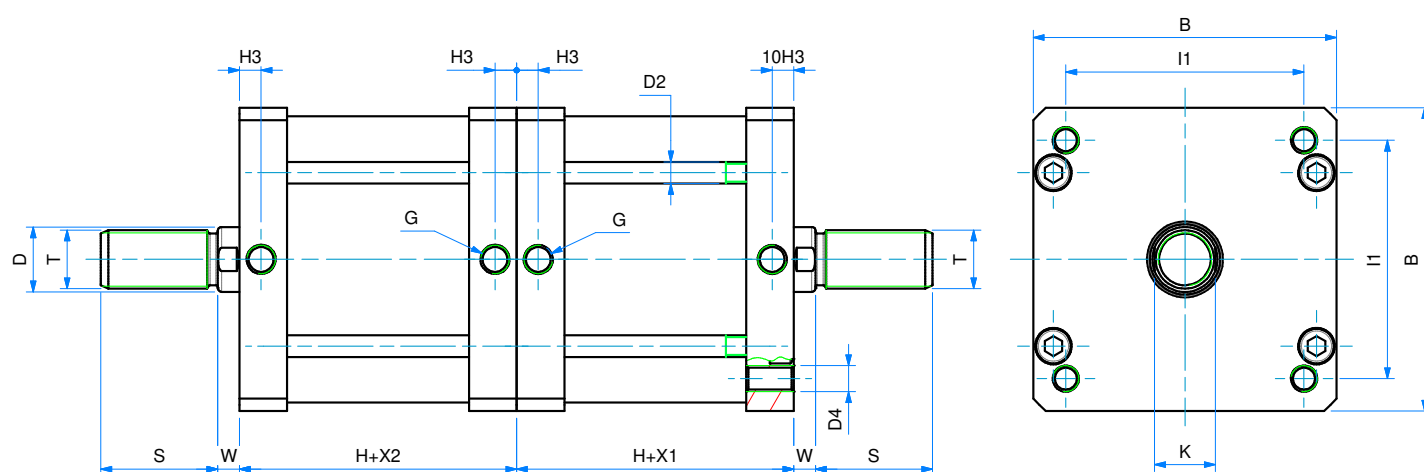
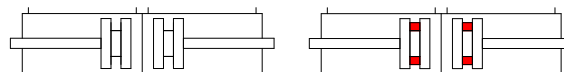
	125	160	200	250
B	140	180	220	270
ø D	30	40	40	40
D1	M14	M20	M20	M24
ø D2	10	12	14	16
D4	M12	M16	M16	M20
G	G1/4	G3/8	G3/8	G1/2
H	137	150	150	202
H viton	137	150	150	202
H3	147	158	186	202
I1	110	140	175	220
K	28	36	36	36
P	25	30	30	35
S	54	72	72	72
T	M27x2	M36x2	M36x2	M36x2
W	10	12	12	12
X1	I° CORSA I° STROKE	I° CORSA I° STROKE	I° CORSA I° STROKE	I° CORSA I° STROKE
X2	II° CORSA II° STROKE	II° CORSA II° STROKE	II° CORSA II° STROKE	II° CORSA II° STROKE

TANDEM CONTRAPPOSTI POSTERIORI D.E.(M)

KC

KCM

REAR OPPOSED TANDEM D.A.(M)



DIMENSIONI - DIMENSIONS

Ø	125	160	200	250
B	140	180	220	270
Ø D	30	40	40	40
D1	M14	M20	M20	M24
Ø D2	10	20	14	16
D4	M12	M16	M16	M20
G	G1/4	G3/8	G3/8	G1/2
H	78	87	87	116
H viton	83	91	105	116
H3	10	12	12	15
I1	110	140	175	220
K	28	36	36	36
P	25	30	30	35
S	54	72	72	72
T	M27x2	M36x2	M36x2	M36x2
W	10	12	12	12
X1	I° CORSA I° STROKE	I° CORSA I° STROKE	I° CORSA I° STROKE	I° CORSA I° STROKE
X2	II° CORSA II° STROKE	II° CORSA II° STROKE	II° CORSA II° STROKE	II° CORSA II° STROKE

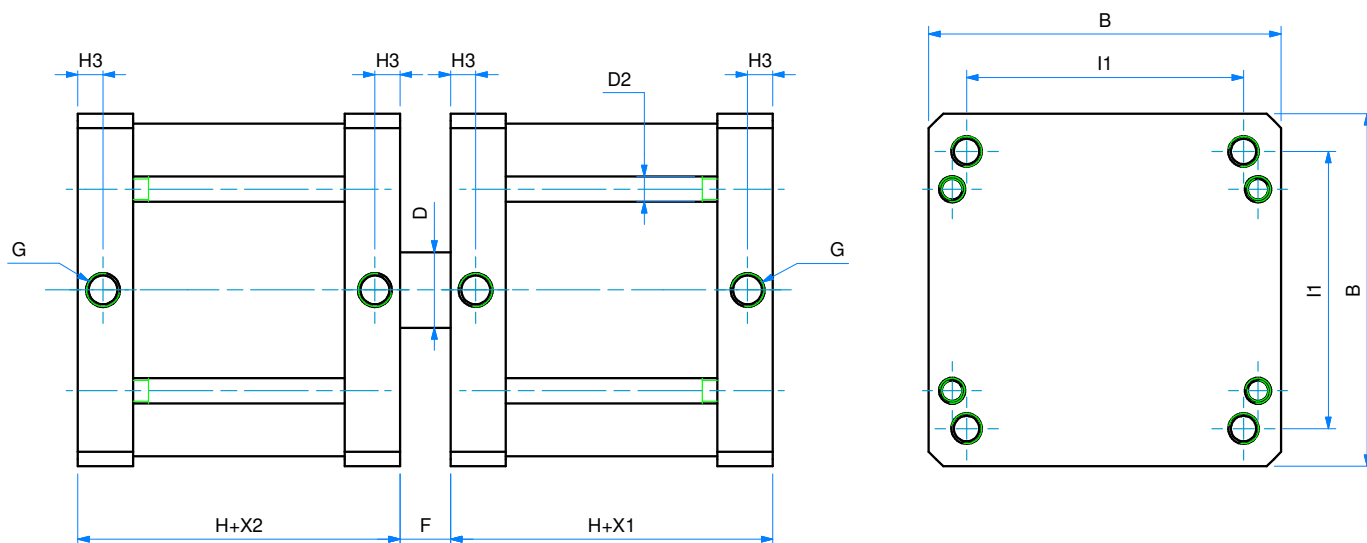
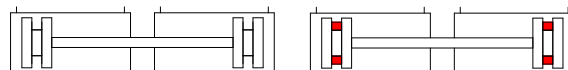
SERIE
K

TANDEM CONTRAPPOSTI ANTERIORI D.E.(M)

KF

KFM

FRONT OPPOSED TANDEM D.A.(M)



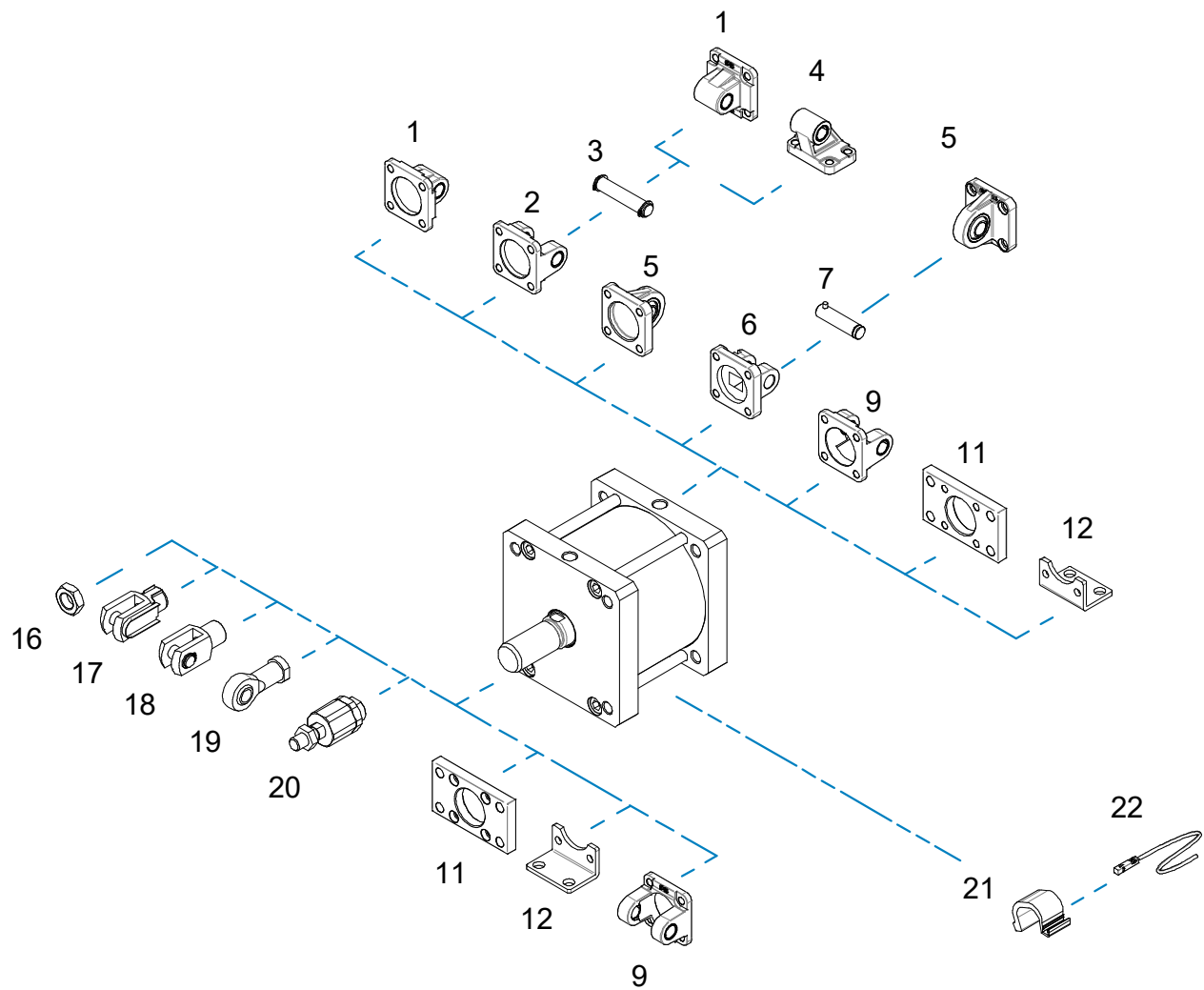
SERIE
K

DIMENSIONI - DIMENSIONS

ø	125	160	200	250
B	140	180	220	270
ø D	30	40	40	40
ø D2	10	12	14	16
D4	M12	M16	M16	M20
F	20	24	24	24
G	G1/4	G3/8	G3/8	G1/2
H	137	150	150	202
H viton	83	91	105	202
H3	10	12	12	15
I1	110	140	175	220
X1	I° CORSA I° STROKE	I° CORSA I° STROKE	I° CORSA I° STROKE	I° CORSA I° STROKE
X2	II° CORSA II° STROKE	II° CORSA II° STROKE	II° CORSA II° STROKE	II° CORSA II° STROKE

ACCESSORI DI FISSAGGIO ISO 15552 (UTILIZZABILI ANCHE PER CILINDRI SERIE K)

ISO 15552 MOUNTING PARTS (ALSO SUITABLE FOR SERIE K CYLINDERS)

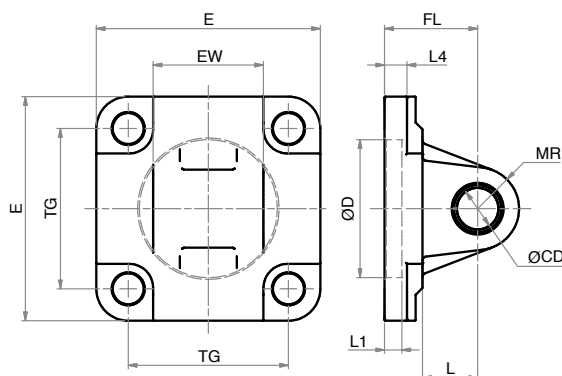


SERIE
K

POS.	CODE	DESCRIZIONE-DESCRIPTION
1	CMI---	cerniera maschio iso - iso male hinge
2	CFI---	cerniera femmina iso - iso female hinge
3	PCF---	perno per cerniera - pin for hinge
4	ASI---	articolazione a squadra iso - iso square hinge
5	CMSI---	cerniera maschio snodata iso iso male hinge with ball joint
6	CFSI---	cerniera femmina stretta iso iso narrow female hinge
7	PCFS---	perno per cerniera stretta pin for narrow hinge
9	CFI---F	cerniera femmina forata iso hollow iso female hinge
11	FI---	flangia iso - iso flange
12	PBI---	piedino basso iso - iso foot mounting

POS.	CODE	DESCRIZIONE-DESCRIPTION
16	DA--x---	dado - nut
17	FC--x---	forcella con clips - clevis with lockable pin
18	FP--x---	forcella con perno - clevis with pin
19	SSFI--x---	snodo sferico - rod eye
20	SA--x---	snodo autoallineante - self-aligning joint
21	36.TIR---	adattatore sensore - sensor mounting
22	36.SEN---	sensore magnetico - magnetic sensor

Fissaggi forniti con viti - Mounting parts supplied with screws

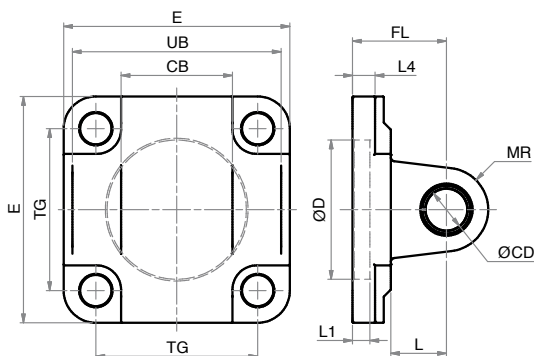
CERNIERA MASCHIO ISO (MP4)**ISO MALE HINGE (MP4)**

LA FORNITURA COMPRENDE:
n° 1 CERNIERA MASCHIO
n° 4 VITI
THE SUPPLY INCLUDES:
n° 1 MALE HINGE
n° 4 SCREWS

MATERIALE:
CORPO IN ALLUMINIO
BOCCOLA IN ACCIAIO E PTFE
MATERIAL:
BODY IN ALUMINIUM
BUSH IN STEEL AND PTFE

DIMENSIONI - DIMENSIONS

COD.	CMI125	CMI160	CMI200	CMI250
Ø	125	160	200	250
EW	70	90	90	110
E	134	180	220	270
FL	50	55	60	70
L1	7	7	10	11
L4	10	10	11	17
L	30	35	35	45
MR	25	25	25	40
Ø CD	25	30	30	40
Ø D	60	65	75	90
TG	110	140	175	220

CERNIERA FEMMINA ISO (MP2)**ISO FEMALE HINGE (MP2)**

LA FORNITURA COMPRENDE:
n° 1 CERNIERA FEMMINA
n° 4 VITI
THE SUPPLY INCLUDES:
n° 1 FEMALE HINGE
n° 4 SCREWS

MATERIALE:
CORPO IN ALLUMINIO
BOCCOLA IN ACCIAIO E PTFE
MATERIAL:
BODY IN ALUMINIUM
BUSH IN STEEL AND PTFE

DIMENSIONI - DIMENSIONS

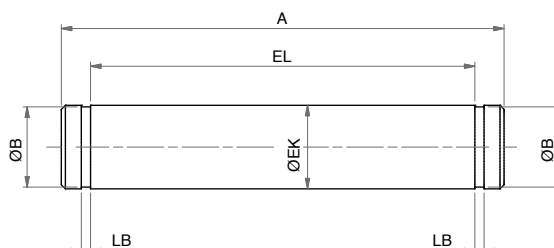
COD.	CFI125	CFI160	CFI200	CFI250
Ø	125	160	200	250
CB	70	90	90	110
E	134	180	220	270
FL	50	55	60	70
L1	7	7	7	-
L4	10	10	10	17
L	30	35	35	45
MR	25	25	25	40
Ø CD	25	30	30	40
Ø D	60	65	75	90
TG	110	140	175	220
UB	130	170	170	200

*CFI---F dimensione foro centrale uguale alla quota ØD - *CFI---F dimension of the central hole are the same as ØD

PERNO PER CERNIERA (AA4)

PCF

PIN FOR HINGE (AA4)



LA FORNITURA COMPRENDE:

n°1 PERNO

n°2 SEEGER

THE SUPPLY INCLUDES:

n°1 PIN

n°2 RETAINING RING

MATERIALE:

ACCIAIO ZINCATO

MATERIAL:

ZINC COATED STEEL

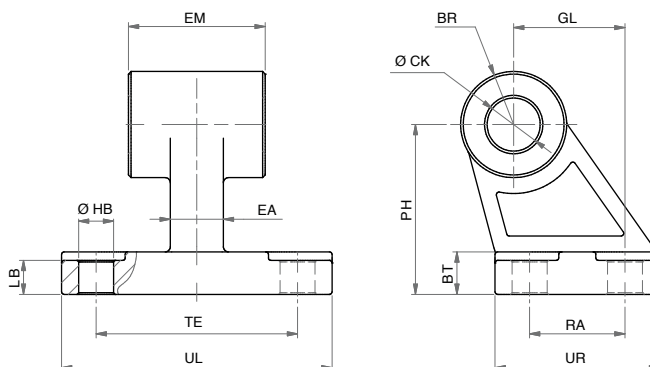
DIMENSIONI - DIMENSIONS

COD.	PCF125	PCF160.200	PCF250
Ø	125	160-200	250
A	139	180	211
EL	132	172	202
LB	1,3	1,6	1,85
Ø B	23,9	28,6	37,5
Ø EK	25	30	40

ARTICOLAZIONE A SQUADRA ISO (AB7)

ASI

ISO SQUARE HINGE (AB7)



LA FORNITURA COMPRENDE:

n°1 ARTICOLAZIONE A SQUADRA

THE SUPPLY INCLUDES:

n°1 SQUARE HINGE

MATERIALE:

CORPO IN ALLUMINIO

BOCCOLA IN ACCIAIO E PTFE

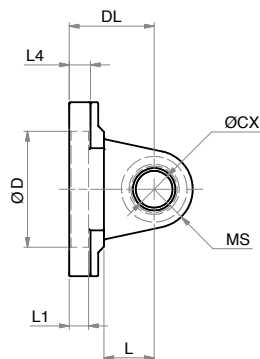
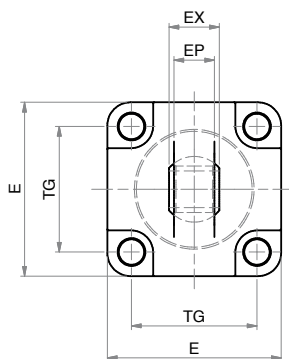
MATERIAL:

BODY IN ALUMINIUM

BUSH IN STEEL AND PTFE

DIMENSIONI - DIMENSIONS

COD.	ASI125	ASI160	ASI200	ASI250
Ø	125	160	200	250
BR	22,5	31,5	31,5	80
BT	20	25	30	35
Ø CK	25	30	30	40
EA	30	36	40	45
EM	70	90	90	110
GL	70	97	105	128
LB	16,8	21	26	30,5
Ø HB	14	14	18	22
PH	90	115	135	165
RA	60	88	90	110
TE	94	118	122	150
UL	124	156	162	200
UR	90	126	130	160

CERNIERA MASCHIO SNODATA ISO (MP6)**ISO MALE HINGE WITH BALL JOINT (MP6)**

LA FORNITURA COMPRENDE:

n° 1 CERNIERA MASCHIO

n° 4 VITI

THE SUPPLY INCLUDES:

n° 1 MALE HINGE

n° 4 SCREWS

MATERIALE:

CORPO IN ALLUMINIO

SNODO IN ACCIAIO,

BRONZO E PTFE

MATERIAL:

BODY IN ALUMINIUM

EYE IN STEEL, BRONZE AND PTFE

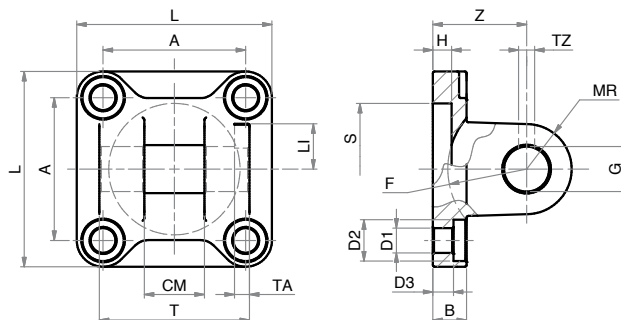
DIMENSIONI - DIMENSIONS

COD.	CMSI125	CMSI160	CMSI200
Ø	125	160	200
DL	50	55	60
EP	25	28	28
EX	37	43	43
E	140	180	220
L1	9	7	10
L4	10	-	-
L	30	35	35
MS	40	44	47
Ø CX	30	35	35
Ø D	60	65	75
TG	110	140	175

CERNIERA FEMMINA STRETTA ISO (AB6)

CFSI

ISO NARROW FEMALE HINGE (AB6)



LA FORNITURA COMPRENDE:
n° 1 CERNIERA FEMMINA
n° 4 VITI
THE SUPPLY INCLUDES:
n° 1 FEMALE HINGE
n° 4 SCREWS

MATERIALE: ALLUMINO
MATERIAL: ALUMINIUM

DIMENSIONI - DIMENSIONS

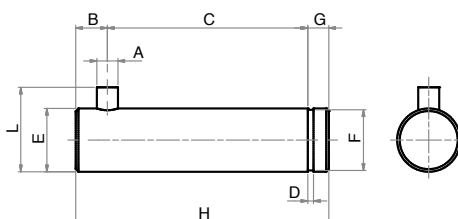
COD.	CFSI125	CFSI160	CFSI200
Ø	125	160	200
A	110	140	175
B	20	20	25
CM	37	43	43
D1	14	18	18
D2	20	26	26
D3	10	10	11
F min.	42	46	49
G	30	35	35
H	7	7	7
LI	24	26,5	26,5
L	140	180	220
MR	25	30	30
S	60	65	75
TA	6	6	6
TZ	6,3	6,3	6,3
T	97	122	122
Z	50	55	60

SERIE
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PERNO PER CERNIERA STRETTA (AA6)

PCFS

PIN FOR NARROW HINGE (AA6)

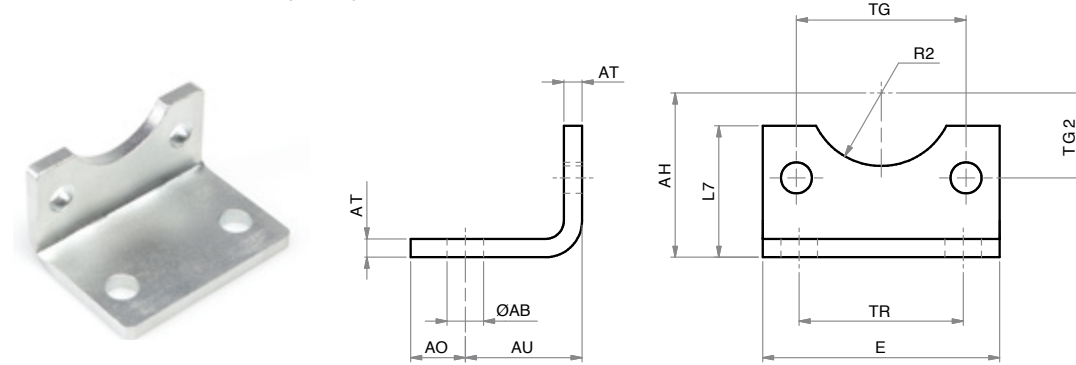


LA FORNITURA COMPRENDE:
n° 1 PERNO
n° 1 SEEGER
THE SUPPLY INCLUDES:
n° 1 PIN
n° 1 RETAINING RING

MATERIALE:
ACCIAIO ZINCATO
MATERIAL:
ZINC COATED STEEL

DIMENSIONI - DIMENSIONS

COD.	PCFS125.200	PCFS160.200
Ø	125	160
A	6	6
B	9	9
C	94	119
D	1,6	1,6
E	30	35
F	28,6	33
G	7	7
H	110	135
L	36	41

PIEDINO BASSO ISO (MS1)**ISO FOOT MOUNTING (MS1)**

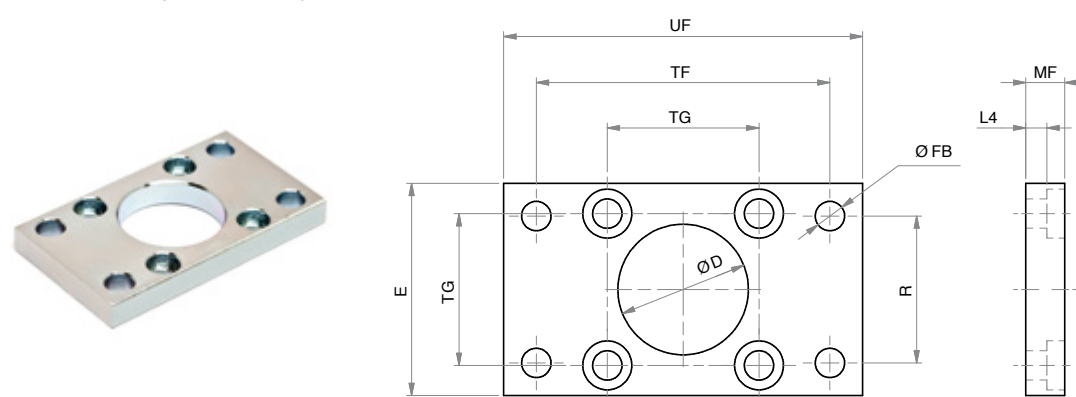
LA FORNITURA COMPRENDE:
n° 1 PIEDINO
n° 2 VITI
THE SUPPLY INCLUDES:
n° 1 FOOT MOUNTING
n° 2 SCREWS

MATERIALE:
ACCIAIO ZINCATO
MATERIAL:
ZINC COATED STEEL

DIMENSIONI - DIMENSIONS

COD.	PBI125	PBI160	PBI200
Ø	125	160	200
AH	90	115	135
AO	25	15	30
AT	8	10	12
AU	45	60	70
E	140	180	220
L7	70	100	109
Ø AB	16,5	18,5	24
R2	30	32,5	37,5
TG2	55	70	87,5
TG	110	140	175
TR	90	115	135

A richiesta - On request Ø 250-320

FLANGIA ISO (MF1 - MF2)**ISO FLANGE (MF1 - MF2)**

LA FORNITURA COMPRENDE:
n° 1 FLANGIA
n° 4 VITI
THE SUPPLY INCLUDES:
n° 1 FLANGE
n° 4 SCREWS

MATERIALE:
ACCIAIO ZINCATO
MATERIAL:
ZINC COATED STEEL

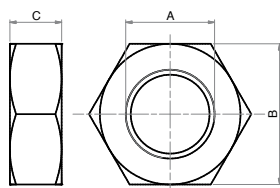
DIMENSIONI - DIMENSIONS

COD.	FI125	FI160	FI200	FI250
Ø	125	160	200	250
E	140	180	220	285
L4	10,5	9,5	12,5	10,5
MF	20	20	25	25
Ø D	60	65	75	90
Ø FB	16	18	22	26
R	90	115	135	165
TF	180	230	270	330
TG	110	140	175	220
UF	205	260	300	400

DADO STELO

DA

PISTON ROD NUT



DIMENSIONI - DIMENSIONS

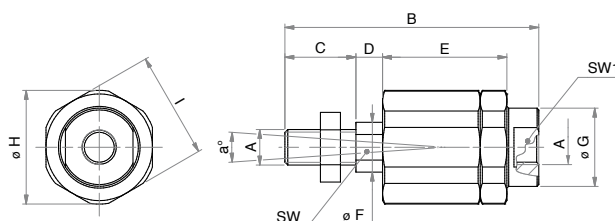
COD.	DA27x2	DA36x2
A	M27x2	M36x2
B	41	55
C	12	14

MATERIALE: ACCIAIO ZINCATO
MATERIAL: ZINC COATED STEEL

SNODO AUTOALLINEANTE

SA

SELF-ALIGNING COUPLING



DIMENSIONI - DIMENSIONS

COD.	SA27x2	SA36x2
A	M27x2	M36x2
α°	8	8
B	158	251
C	54	71
D	13	22
E	79	136
ø F	28	36
ø G	45	60
ø H	62	80
I	55	75
SW	24	32
SW1	41	55

LA FORNITURA COMPRENDE:
n° 1 SNODO AUTOALLINEANTE
n° 1 DADO
THE SUPPLY INCLUDES:
n° 1 SELF ALIGNING
n° 1 NUT

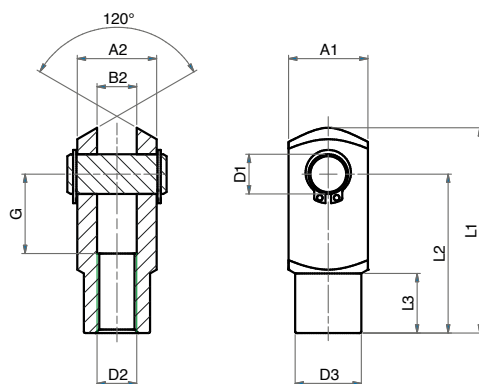
MATERIALE: ACCIAIO ZINCATO
MATERIAL: ZINC COATED STEEL

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FORCELLA CON PERNO

FP

CLEVIS WITH PIN



DIMENSIONI - DIMENSIONS

COD.	FP27x2	FP36x2
A1	55	70
A2	55	70
B2	30	35
ø D1	30	35
D2	M27x2	M36x2
ø D3	48	60
G	54	72
L1	148	188
L2	110	144
L3	38	40

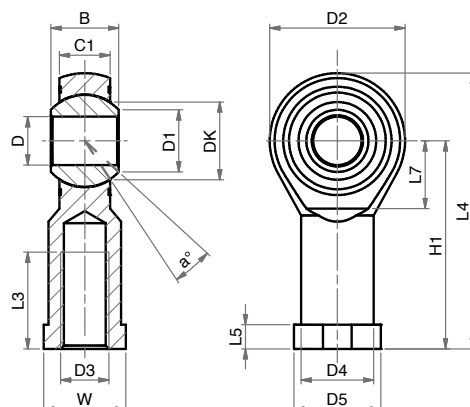
LA FORNITURA COMPRENDE:
n° 1 FORCELLA
n° 1 PERNO
n° 2 SEGER
THE SUPPLY INCLUDES:
n° 1 FORK
n° 1 PIN
n° 2 RETAINING RING

MATERIALE: ACCIAIO ZINCATO
MATERIAL: ZINC COATED STEEL

SNODO SFERICO FILETTO INTERNO

SSFI

ROD EYE (INTERNAL THREAD)



MATERIALE: CORPO IN ACCIAIO ZINCATO
SNODO IN ACCIAIO,
BRONZO E PTFE
MATERIAL: BODY IN ZINC COATED STEEL
EYE IN STEEL, BRONZE
AND PTFE

DIMENSIONI - DIMENSIONS

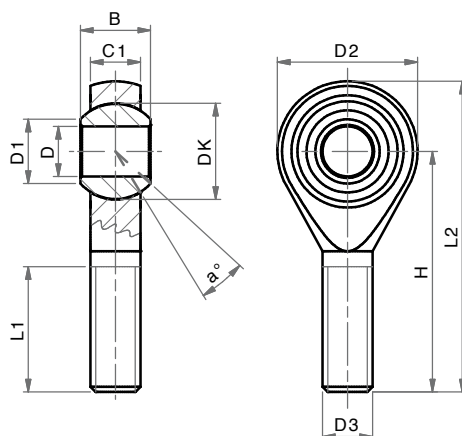
COD.	SSFI27x2	SSFI36x2
α°	17	16
B	37	43
C1	25	28
D1	34,8	37,7
D2	70	80
D3	M27x2	M36x2
D4	40	46
D5	50	58
DK	50,8	57,15
ø D	30	35
H1	110	125
L3	51	56
L4	145	165
L5	15	17
L7	36	41
W	41	50

SNODO SFERICO FILETTO ESTERNO

SSFE

ROD EYE (EXTERNAL THREAD)

SERIE
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MATERIALE: CORPO IN ACCIAIO ZINCATO
SNODO IN ACCIAIO,
BRONZO E PTFE
MATERIAL: BODY IN ZINC COATED STEEL
EYE IN STEEL, BRONZE
AND PTFE

DIMENSIONI - DIMENSIONS

COD.	SSFE20x2,5
α°	14
B	25
C1	19
D1	24,3
D2	50
D3	M20
DK	34,52
ø D	20
H	78
L1	45
L2	103

SENSORI MAGNETICI

MAGNETIC SENSORS

CARATTERISTICHE - CHARACTERISTICS				
CODICE - CODE	36.SEN06 36.SEN06.L6	36.SEN07	36.SEN08	36.SEN09 36.SEN09.L6 36.SEN09.L10
TIPO - TYPE	REED	REED	ELETTRONICO ELECTRONIC	ELETTRONICO ELECTRONIC
Modello elettrico - Electrical design	AC/DC PNP/NPN	AC/DC PNP/NPN	DC PNP	DC PNP
Funzione dell'uscita - Output	NO	NO	NO	NO
Tensione di esercizio - Operating voltage	[V] 5...120 AC/DC	5...60 DC / 5...50 AC	10...30 DC	10...30 DC
Capacità di corrente - Current rating	[mA] 100*	100*	100	100
Sensibilità di reazione - Magnetic sensitivity	[mT] 2,1	2,1	2,8	2,8
Velocità di passaggio - Travel speed	[m/s] > 10	> 10	> 10	> 10
Protezione da cortocircuito - Short-circuit proof	no	no	si - yes	si - yes
Protetto da inversione di polarità Reverse polarity protection	si - yes	si - yes	si - yes	si - yes
Resistente a sovraccarico - Overload protection	no	no	si - yes	si - yes
Caduta di tensione - Voltage drop	[V] < 5	< 5	< 2,5	< 2,5
Isteresi - Hysteresis	1	1	< 1,5	< 1,5
Riproducibilità - Repeatability	[mm] ± 0,2	± 0,2	< 0,2	< 0,2
Corrente assorbita - Current consumption	[mA] -	-	< 10	< 10
Tempo di commutazione - Make time	[ms] ≤ 0,6	≤ 0,6	-	-
Tempo di riapertura - Fall time	[ms] ≤ 0,1	≤ 0,1	-	-
Potenza max - Switching power max	[W] 10	10	-	-
Cicli di commutazione con connessione a PLC Switching cycles when connected to PLC	[mln] ≤ 40	≤ 40	-	-
Frequenza di commutazione - Switching frequency	[Hz] 1.000	1.000	> 10.000	> 10.000
Temperatura ambiente - Ambient temperature	[°C] -25...70	-25...70	-25...80	-25...80
Grado/Classe di protezione - Protection	IP67, II	IP67, II	IP67, III	IP67, III
Materiale involucro - Housing material	PA (poliammide - polyamide)			
Materiale eccentrico di fissaggio - Fastening clamp	inox - stainless steel			
Indicazione della funzione Stato di commutazione Function display Switching status	LED	giallo - yellow		
Collegamento - Connection	cavo PUR - PUR cable 2x0,14 mm² 2 m (.L6 = 6 m)	cavo PUR - PUR cable connettore M8- M8 connector 0,3 m	cavo PUR - PUR cable connettore M8- M8 connector 0,3 m	cavo PUR - PUR cable 3x0,14 mm² 2 m (.L6 = 6 m .L10 = 10 m)
Peso - Weight	[g] 31,3 69	12	12,1	27,4 73,5 122,4

Accessori inclusi: Segnaposto in gomma, fascetta fermacavo - Accessories included: Rubber placeholder, cable clip

*: necessario circuito di protezione esterno per carico induttivo (valvola, relè, ecc...). - External protective circuit for inductive load (valve, contactor, etc...) necessary.

REED: nessuna funzione LED in caso di inversione di polarità nel funzionamento DC. - No LED function in case of polarity reversal in DC operation.

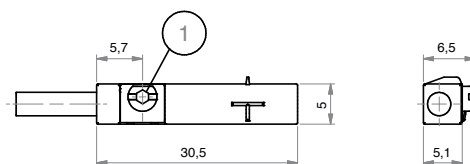
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CONTATTO REED (2 FILI)

36.SEN06

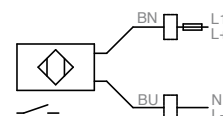
36.SEN06.L6

REED CONTACT (2 WIRES)



1= ECCENTRICO DI FISSAGGIO - FASTENING CLAMP

CABLAGGIO - WIRING



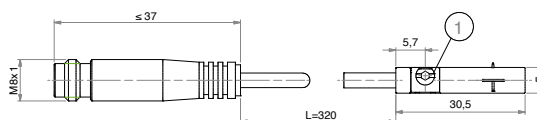
BN= MARRONE - BROWN

BU= BLU - BLUE

CONTATTO REED (CONNETTORE M8)

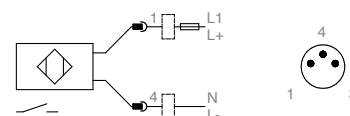
36.SEN07

REED CONTACT (M8 CONNECTOR)



1= ECCENTRICO DI FISSAGGIO - FASTENING CLAMP

CABLAGGIO - WIRING



BN= MARRONE - BROWN

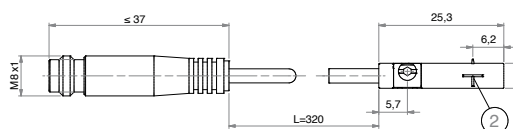
BU= BLU - BLUE

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CONTATTO PNP (CONNETTORE M8)

36.SEN08

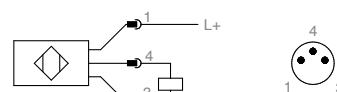
PNP CONTACT (M8 CONNECTOR)



1= ECCENTRICO DI FISSAGGIO
FASTENING CLAMP

2= SUPERFICIE ATTIVA
SENSING FACE

CABLAGGIO - WIRING



BN= MARRONE - BROWN

BU= BLU - BLUE

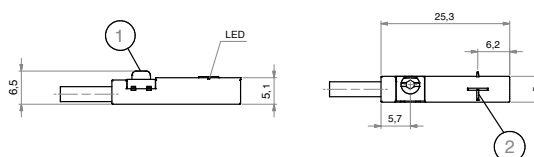
CONTATTO PNP (3 FILI)

36.SEN09

36.SEN09.L6

36.SEN09.L10

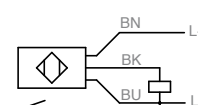
PNP CONTACT (3 WIRES)



1= ECCENTRICO DI FISSAGGIO - FASTENING CLAMP

2= SUPERFICIE ATTIVA - SENSING FACE

CABLAGGIO - WIRING



BK= NERO - BLACK

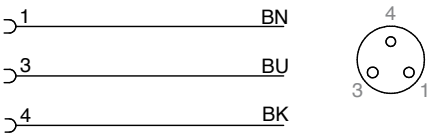
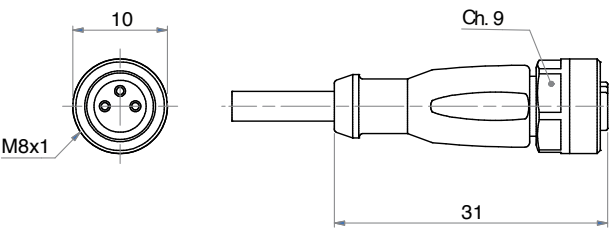
BN= MARRONE - BROWN

BU= BLU - BLUE

CAVO PROLUNGA (CONNETTORE M8)

36.CAV

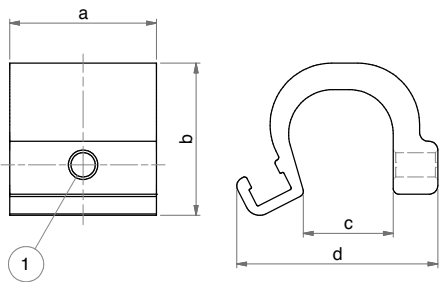
EXTENSION CABLE (M8 CONNECTOR)



ADATTATORE PER TIRANTE

36.TIR

SENSOR MOUNTING FOR TIE ROD



1 = VITE DI FISSAGGIO FIXING SCREW (2,5)

DIMENSIONI - DIMENSIONS				
COD.		36.TIR11	36.TIR15	36.TIR20
Gamma di morsetti - Clamping range	[mm]	5÷11	9÷15	14÷20
a		25	25	25
b		22,8	25,9	31,1
c		11,3	15,3	20,3
d		30,2	34,2	39,6
Materiali involucro - Housing materials		alluminio - aluminium; vite-screw: inox-stainless steel		

SERIE
K



SENSORI MAGNETICI ATEX

ATEX MAGNETIC SENSORS

CARATTERISTICHE - CHARACTERISTICS		36.SEN32A.L6	36.SEN33A
TIPO - TYPE		ELETTRONICO - ELECTRONIC	ELETTRONICO - ELECTRONIC
Modello elettrico - Electrical design		DC PNP	DC PNP
Funzione dell'uscita - Output		NO	NO
Tensione di esercizio - Operating voltage	[V]	10...30 DC	10...30 DC
Capacità di corrente - Current rating	[mA]	100	100
Sensibilità di reazione - Magnetic sensitivity	[mT]	2	2,8
Velocità di passaggio - Travel speed	[m/s]	> 10	> 10
Protezione da cortocircuito - Short-circuit proof		si - yes	si - yes
Protetto da inversione di polarità - Reverse polarity protection		si - yes	si - yes
Resistente a sovraccarico - Overload protection		si - yes	si - yes
Caduta di tensione - Voltage drop	[V]	< 2,5	< 2,5
Isteresi - Hysteresis		1	< 1,5
Riproducibilità - Repeatability	[mm]	< 0,2	< 0,2
Corrente assorbita - Current consumption	[mA]	< 10	< 10
Ritardo alla disponibilità - Power-on delay time	[ms]	< 30	< 30
Frequenza di commutazione - Switching frequency	[Hz]	6.000	10.000
Temperatura ambiente - Ambient temperature	[°C]	-20...60	-25...60
Grado/Classe di protezione - Protection		IP 65/IP 67	IP 65/IP 67
Contrassegno - Marking of the unit		II 3D Ex tc IIIC T125°C Dc X II 3G Ex nA IIC T4 Gc X	II 3D Ex tc IIIC T125°C Dc X
Materiale involucro - Housing material		PA (poliammide-polyamide)	PA (poliammide-polyamide)
Materiale eccentrico di fissaggio - Fastening clamp		inox - stainless steel	inox - stainless steel
Indicazione della funzione Stato di commutazione Function display Switching status	LED	giallo - yellow	giallo - yellow
Collegamento - Connection		cavo PVC - PVC cable 3x0,14 mm ²	cavo PVC - PVC cable connettore M12 - M12 connector
Lunghezza cavo - Cable length		6 m	0,3 m
Peso - Weight	[g]	103,3	52,4

Accessori inclusi - Accessories included: Segnaposto in gomma, fascetta fermacavo - Rubber placeholder, cable clip

CONTATTO PNP (3 FILI)



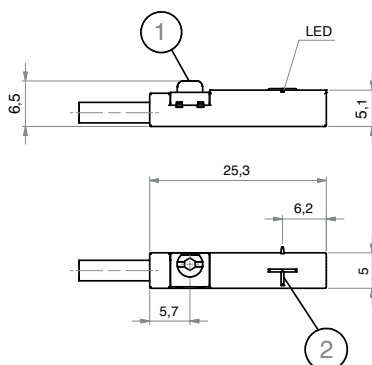
36.SEN32A.L6

PNP CONTACT (3 WIRES)

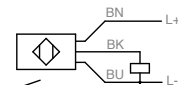


1= ECCENTRICO DI FISSAGGIO - FASTENING CLAMP

2= SUPERFICIE ATTIVA - SENSING FACE



CABLAGGIO - WIRING



BK= NERO - BLACK

BN= MARRONE - BROWN

BU= BLU - BLUE

CONTATTO PNP (CONNETTORE M12)



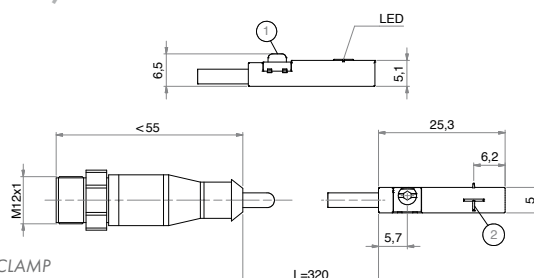
36.SEN33A

PNP CONTACT (M12 CONNECTOR)

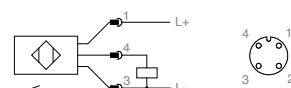


1= ECCENTRICO DI FISSAGGIO - FASTENING CLAMP

2= SUPERFICIE ATTIVA - SENSING FACE



CABLAGGIO - WIRING



BK= NERO - BLACK

BN= MARRONE - BROWN

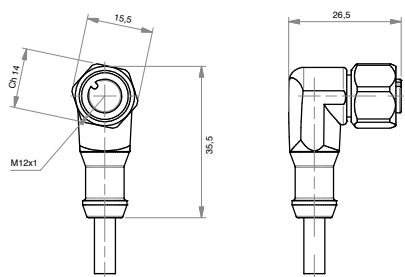
BU= BLU - BLUE

CAVO PROLUNGA (CONNETTORE M12)

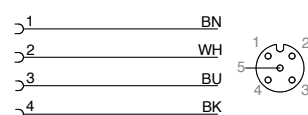


36.CAVA

EXTENSION CABLE (M12 CONNECTOR)



CABLAGGIO - WIRING



BK= NERO - BLACK

BN= MARRONE - BROWN

BU= BLU - BLUE

WH= BIANCO - WHITE

DIMENSIONI - DIMENSIONS

		36.CAV5A.M12	36.CAV10A.M12
Modello elettrico - Electrical design		AC/DC	AC/DC
Tensione di esercizio - Operating voltage	[V]	60 AC / 60 DC	60 AC / 60 DC
Capacità di corrente - Current rating	[A]	2	2
Modello - Design		ad angolo - angled	ad angolo - angled
Temperatura ambiente - Ambient temperature	[°C]	-20...60	-20...60
Grado/Classe di protezione - Protection		IP67/IP68 - IP69K fuori dalla zona esplosiva - outside hazardous areas	
Contrassegno - Marking of the unit		II 3G Ex nA IIC Gc - II 2D Ex tb IIIC Db IP65/IP67	
Materiale corpo - Body material: Involucro - Housing		TPU arancione - orange TPU	TPU arancione - orange TPU
Guarnizione - Sealing		viton	viton
Materiale dado - Nut material		inox - stainless steel (1.4404 / 316L)	inox - stainless steel (1.4404 / 316L)
Coppia di serraggio per nodo nocciolo	[Nm]	0,2...1,5	0,2...1,5
Collegamento - Connection		cavo PUR - PUR cable / 5 m; 4 x 0,34 mm ² (42 x Ø 0,1 mm); Ø 4,9 mm; senza alogeno - alogen free	cavo PUR - PUR cable / 10 m; 4 x 0,34 mm ² (42 x Ø 0,1 mm); Ø 4,9 mm; senza alogeno - alogen free
Colore della guaina - Sheath colour		nero - black	nero - black

SERIE
K