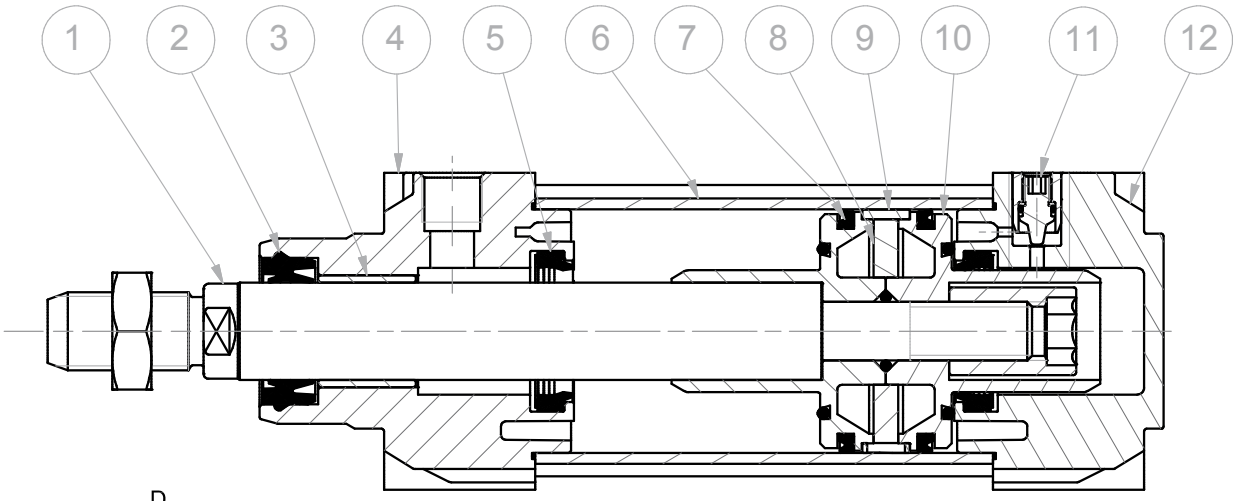
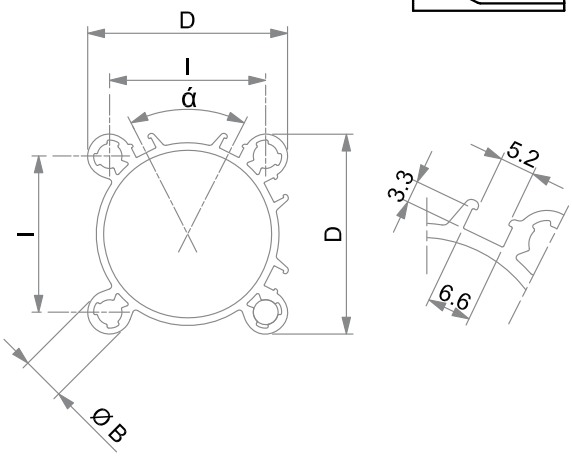
CARATTERISTICHE TECNICHE - *TECHNICAL CHARACTERISTICS*	
Pressione di esercizio ***Working pressure***	1 ÷ 10 bar (doppio effetto - *double acting*)
Temperatura di esercizio ***Working temperature***	0 ÷ +80°C (-20°C con aria secca - *with dry air*) 0 ÷ +150°C (con guarnizioni per alte temperature - *with high temperature seals*)
Versioni - ***Versions***	doppio effetto - stelo passante - tandem *double acting - double rod - tandem*
Alesaggi - ***Bores***	Ø 32 - 40 - 50 - 63 - 80 - 100 - 125
Corse - ***Strokes***	vedere tabelle corse standard - *see standard stroke tables*
Fluido - ***Fluid***	aria compressa, filtrata, non lubrificata - *compressed air, filtered, no lubrication*

CARATTERISTICHE COSTRUTTIVE - *CONSTRUCTIVE CHARACTERISTICS*		
①	**Stelo** - ***Piston rod***	acciaio C45 cromato - *C45 Chromed steel*
② ⑤ ⑦	**Guarnizioni** - ***Seals***	poliuretano, nbr - *polyurethane, nbr*
③	**Boccola** - ***Bush***	bronzo sinterizzato - *sintered bronze*
④ ⑫	**Testate** - ***Covers***	alluminio pressofuso verniciato - *painted die cast aluminium*
⑥	**Tubo** - ***Tube***	alluminio anodizzato - *anodized aluminium*
⑧	**Magnete** - ***Magnet***	plastoferrite - *rubber magnet*
⑨	**Pattino di guida** - ***Guide ring***	PBT+PTFE
⑩	**Pistone** - ***Piston***	alluminio pressofuso - *die cast aluminium*
⑪	**Ammortizzo** - ***Cushioning***	pneumatico - *pneumatic*
	Viti - ***Screws***	acciaio zincato - *zinc coated steel*





Ø	I	Ø B	á	D
32	32,5	10	46°	42,5
40	38	10	51°	48
50	46,5	13	54°	59,5
63	56,5	13	61°	69,5
80	72	14	65°	86
100	89	16,5	68°	105,5
125	110	17	70°	131

CHIAVE DI CODIFICA

KEY CODE

H D M . 0 5 0 . 1 0 0 . G S . M

SERIE - *SERIES*
- **H** tubo profilato con cave per sensori — *tube with slots for sensors*
- **U** tubo tondo con tiranti — *round tube with tie rods*

VERSIONE - *VERSION*
- **D** doppio effetto — *double acting*

VERSIONE - *VERSION*
- **M** magnetico — *magnetic*
- non magnetico — *non-magnetic*

VERSIONE - *VERSION*
- **P** stelo passante — *double rod*

ALESAGGIO - *BORE* **(Ø)**
- **032-040-050-063-080**
- **100-125**

CORSA - *STROKE* **(mm)**
- **025-050-080-100-125**
- **150-160-200-250-300**
- **320-400-450-500-550**
- **600-650-700-750-800**
- **850-900-950-1000**

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

STELO - *ROD*
- **F** femmina — *female*
- **M** maschio — *male*

OPZIONE - *OPTION*
- **X4** stelo in acciaio inox AISI 304 cromato — *chromed AISI 304 SS piston rod*
- **X6** stelo in acciaio inox AISI 316 — *AISI 316 SS piston rod*
- **B** stelo prolungato in acciaio temprato e cromato per bloccastelo — *extended piston rod in tempered chromed steel for rod lock*
- **B1** stelo prolungato in acciaio temprato e cromato con bloccastelo montato — *extended piston rod in tempered chromed steel with rod lock mounted*

Ø32-100

OPZIONE - *OPTION*
- **W** senza ammortizzo — *without cushioning*
- **WR** senza ammortizzo posteriore — *without rear cushioning*
- **WF** senza ammortizzo anteriore — *without front cushioning*

OPZIONE - *OPTION*
- **C1** CICT montata — *CICT mounted*

Cilindri tandem vedi pagina 34
Tandem cylinders see pages 34

ESECUZIONI A RICHIESTA - *ON REQUEST*

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

Stelo prolungato (WH) - *Extended piston rod (WH)*

Corse fuori standard - Special strokes

Corse fino a 2800 mm - *Strokes until 2800 mm*

ATEX CE Ex II 2GD c T4

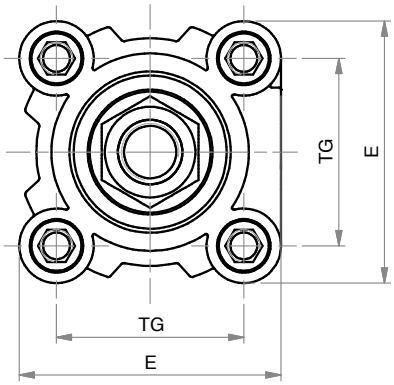
FORZE TEORICHE DI TRAZIONE (P=6bar)

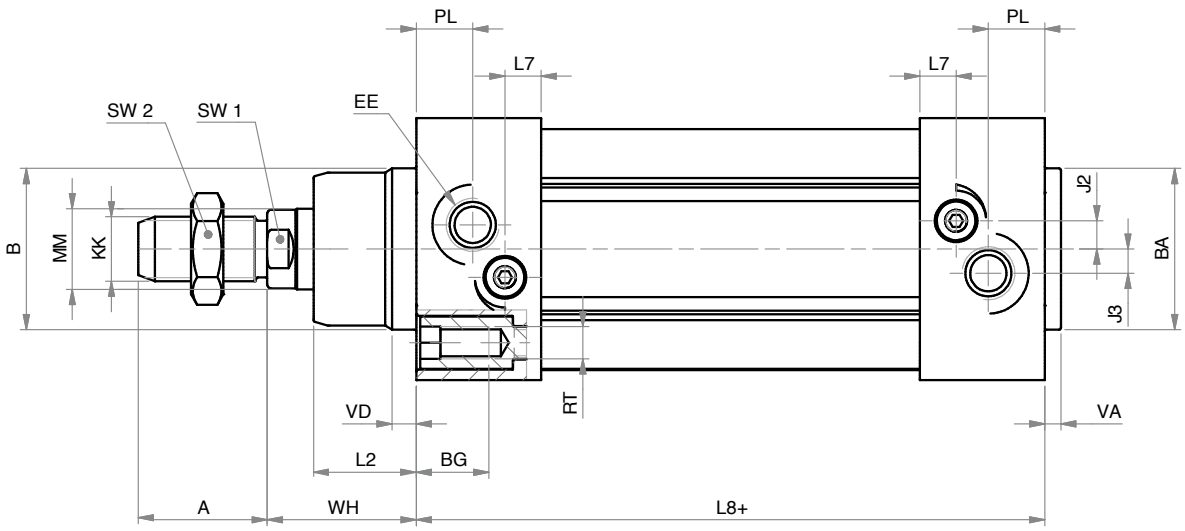
THEORETICAL FORCES OF TRACTION (P=6bar)

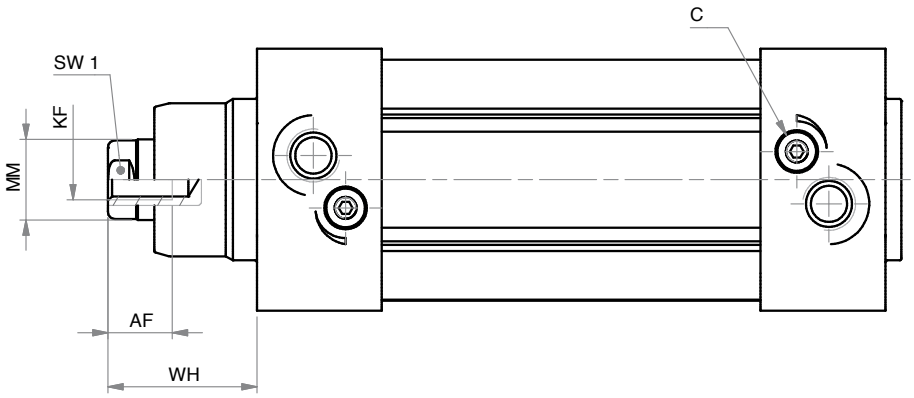
		Ø	032	040	050	063	080	100	125
HDM - UDM	SPINTA *THRUST*	[N]	483	754	1.178	1.870	3.016	4.712	7.363
	TRAZIONE *TRACTION*	[N]	415	633	990	1.682	2.721	4.418	6.881
HDMP - UDMP	SPINTA *THRUST*	[N]	415	633	990	1.682	2.721	4.418	6.881
	TRAZIONE *TRACTION*	[N]	415	633	990	1.682	2.721	4.418	6.881

DOPPIO EFFETTO MAGNETICO

MAGNETIC DOUBLE ACTING







C = VITE REGOLAZIONE AMMORTIZZO *C = CUSHIONING ADJUSTMENT SCREW*

DIMENSIONI - *DIMENSIONS*

Ø	032	040	050	063	080	100	125
A	22	24	32	32	40	40	54
AF	12	12	16	16	20	20	32
ø B	30	35	40	45	45	55	60
ø BA	30	35	40	45	45	55	60
BG	16	16	16	16	17	17	20
E	47	54,5	65	75	93	110	134
EE	G1/8"	G1/4"	G1/4"	G3/8"	G3/8"	G1/2"	G1/2"
J2	5,7	7,3	7	8	8	12	10
J3	5,3	5	6	7,5	7	7	7
KF	M6	M8	M8	M10	M10	M12	M16
KK	M10x1,25	M12x1,25	M16x1,5	M16x1,5	M20x1,5	M20x1,5	M27x2
L2	18	22	25,5	26	32	38	46
L7	7	9,2	9	8	10,5	10	11
L8+	94	105	106	121	128	138	160
ø MM	12	16	20	20	25	25	32
PL	13	14	14	16	16	18	18
RT	M6	M6	M8	M8	M10	M10	M12
SW 1	10	13	17	17	22	22	27
SW 2	17	19	24	24	30	30	41
TG	32,5	38	46,5	56,5	72	89	110
VA	4	4	4	4	4	4	6
VD	5	5	6	6	7	7	10
WH	26	30	37	37	46	51	65
*	20	22	25	25	35	35	35

+ = lunghezza corsa - *stroke length* * = lunghezza ammortizzo - *cushioning length*

VERSIONE U - *U VERSION*

Ø	032	040	050	063	080	100	125
tiranti *tie rods*	6	6	8	8	10	10	12

OPZIONE B - *OPTION B*

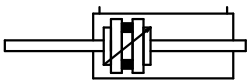
Ø	032	040	050	063	080	100	125
WH	86	100	127	127	156	161	205

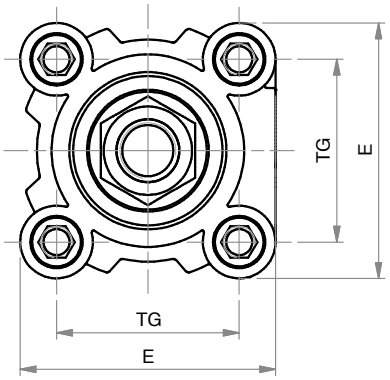
CORSE STANDARD - *STANDARD STROKES*

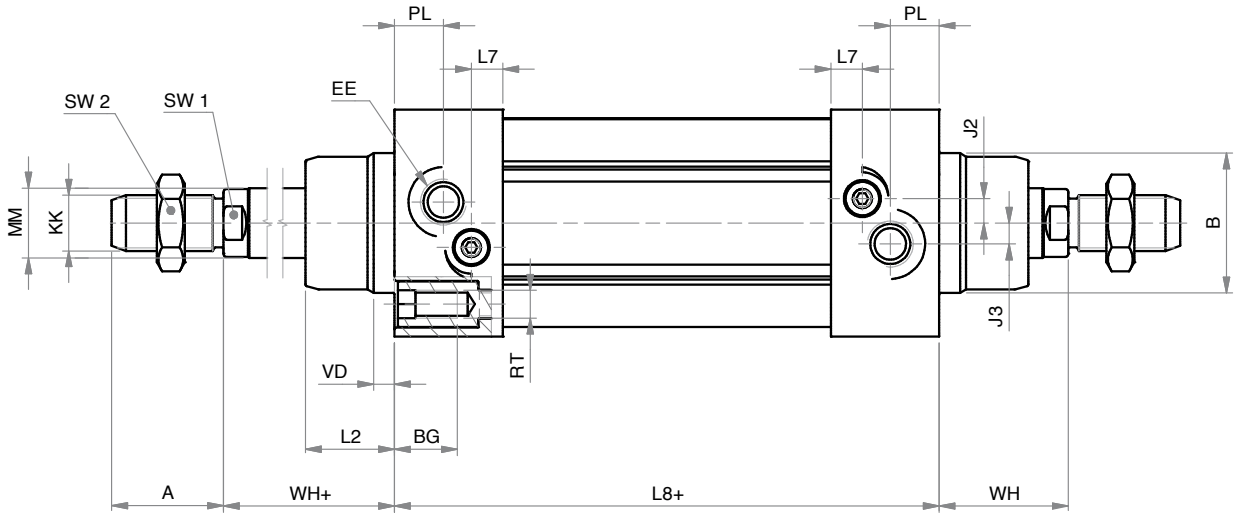
Ø	032	040	050	063	080	100	125
025	x	x	x	x	x	x	x
050	x	x	x	x	x	x	x
080	x	x	x	x	x	x	x
100	x	x	x	x	x	x	x
125	x	x	x	x	x	x	x
150	x	x	x	x	x	x	x
160	x	x	x	x	x	x	x
200	x	x	x	x	x	x	x
250	x	x	x	x	x	x	x
300	x	x	x	x	x	x	x
320	x	x	x	x	x	x	x
400	x	x	x	x	x	x	x
450	x	x	x	x	x	x	x
500	x	x	x	x	x	x	x
550	x	x	x	x	x	x	x
600	x	x	x	x	x	x	x
650	x	x	x	x	x	x	x
700	x	x	x	x	x	x	x
750	x	x	x	x	x	x	x
800	x	x	x	x	x	x	x
850	x	x	x	x	x	x	x
900	x	x	x	x	x	x	x
950	x	x	x	x	x	x	x
1000	x	x	x	x	x	x	x

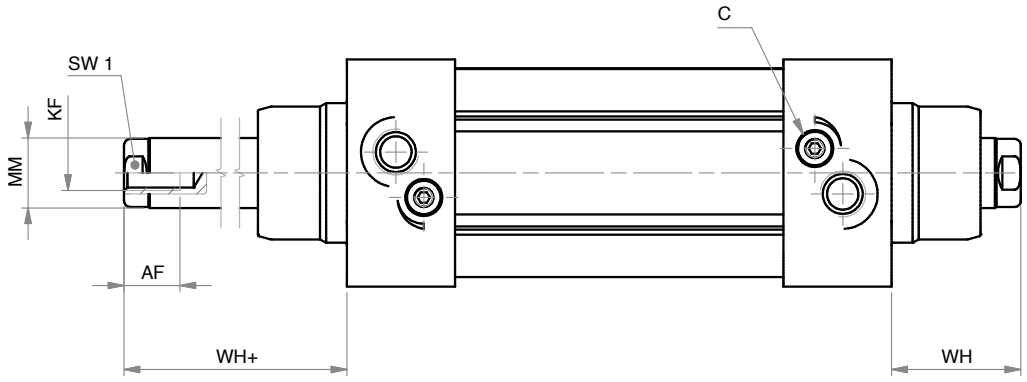
DOPPIO EFFETTO MAGNETICO STELO PASSANTE

DOUBLE ROD MAGNETIC DOUBLE ACTING









C = VITE REGOLAZIONE AMMORTIZZO *C = CUSHIONING ADJUSTMENT SCREW*

DIMENSIONI - *DIMENSIONS*

Ø	032	040	050	063	080	100	125
A	22	24	32	32	40	40	54
AF	12	12	16	16	20	20	32
ø B	30	35	40	45	45	55	60
BG	16	16	16	16	17	17	20
E	47	54,5	65	75	93	110	134
EE	G1/8"	G1/4"	G1/4"	G3/8"	G3/8"	G1/2"	G1/2"
J2	5,7	7,3	7	8	8	12	10
J3	5,3	5	6	7,5	7	7	7
KF	M6	M8	M8	M10	M10	M12	M16
KK	M10x1,25	M12x1,25	M16x1,5	M16x1,5	M20x1,5	M20x1,5	M27x2
L2	18	22	25,5	26	32	38	46
L7	7	9,2	9	8	10,5	10	11
L8+	94	105	106	121	128	138	160
ø MM	12	16	20	20	25	25	32
PL	13	14	14	16	16	18	18
RT	M6	M6	M8	M8	M10	M10	M12
SW 1	10	13	17	17	22	22	27
SW 2	17	19	24	24	30	30	41
TG	32,5	38	46,5	56,5	72	89	110
VD	5	5	6	6	7	7	10
WH	26	30	37	37	46	51	65
WH+	26	30	37	37	46	51	65
*	20	22	25	25	35	35	35

+ = lunghezza corsa - *stroke length* * = lunghezza ammortizzo - *cushioning length*

VERSIONE U - *U VERSION*

Ø	032	040	050	063	080	100	125
Ø tiranti *tie rods*	6	6	8	8	10	10	12

OPZIONE B - *OPTION B*

Ø	032	040	050	063	080	100	125
WH	86	100	127	127	156	161	205

CORSE STANDARD - *STANDARD STROKES*

Ø	032	040	050	063	080	100	125
025	x	x	x	x	x	x	x
050	x	x	x	x	x	x	x
080	x	x	x	x	x	x	x
100	x	x	x	x	x	x	x
125	x	x	x	x	x	x	x
150	x	x	x	x	x	x	x
160	x	x	x	x	x	x	x
200	x	x	x	x	x	x	x
250	x	x	x	x	x	x	x
300	x	x	x	x	x	x	x
320	x	x	x	x	x	x	x
400	x	x	x	x	x	x	x
450	x	x	x	x	x	x	x
500	x	x	x	x	x	x	x
550	x	x	x	x	x	x	x
600	x	x	x	x	x	x	x
650	x	x	x	x	x	x	x
700	x	x	x	x	x	x	x
750	x	x	x	x	x	x	x
800	x	x	x	x	x	x	x
850	x	x	x	x	x	x	x
900	x	x	x	x	x	x	x
950	x	x	x	x	x	x	x
1000	x	x	x	x	x	x	x

CILINDRI TANDEM - *TANDEM CYLINDERS*

CHIAVE DI CODIFICA - *KEY CODE*

H T 2 M 1 0 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*

H P M 1 0 0 . 0 5 0 . 0 8 0 . G S . M

ALESAGGIO - *BORE* **(Ø)**

032-040-050-063-080

100-125

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

OPZIONE - *OPTION*

X4	stelo in acciaio inox AISI 304 *piston rod in stainless steel AISI 304*

VERSIONE - *VERSION*

M	magnetico - *magnetic*
	non magnetico - *non-magnetic*

STELO - *ROD*

F	femmina *Female*
M	maschio *Male*

VERSIONE - *VERSION*

P	tandem più posizioni *multi-position tandem*
C	tandem contrapposti posteriori *rear opposed tandem*
F	tandem contrapposti anteriori *front opposed tandem*

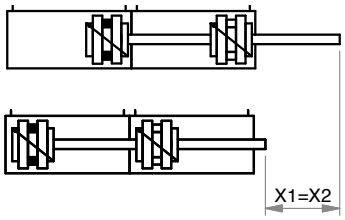
GUARNIZIONI - *SEALS*

guarnizioni standard *standard seals*	**GS**
guarnizione stelo in VITON *VITON rod seal*	**VR**
tutte le guarnizioni in VITON *all sealings in VITON*	**VA**

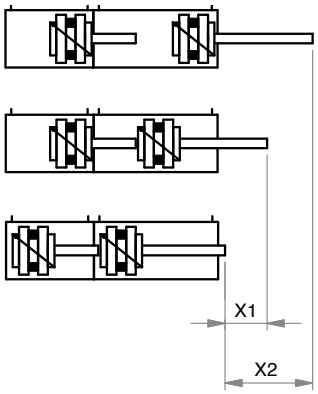
SERIE - *SERIES*

H	tubo profilato con cave per sensori *tube with slots for sensors*
U	tubo tondo con tiranti *round tube with tie rods*

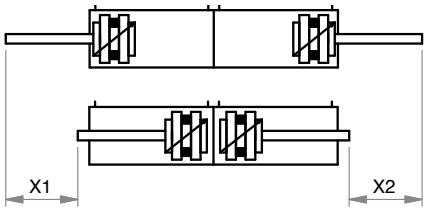
DOPPIA SPINTA - *DOUBLE THRUST*



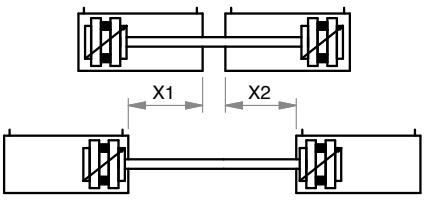
PIÙ POSIZIONI - *MULTI-POSITION*



CONTRAPPOSTI POSTERIORI - *REAR OPPOSED*



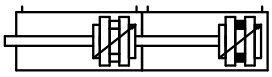
CONTRAPPOSTI ANTERIORI - *FRONT OPPOSED*

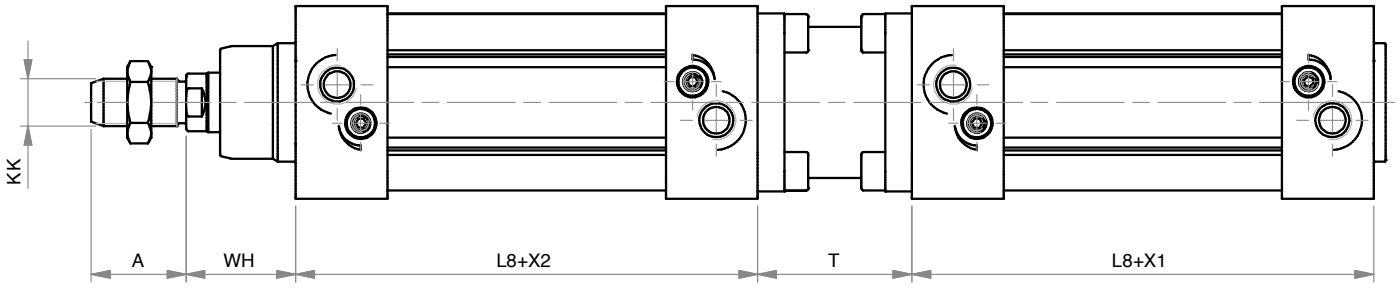


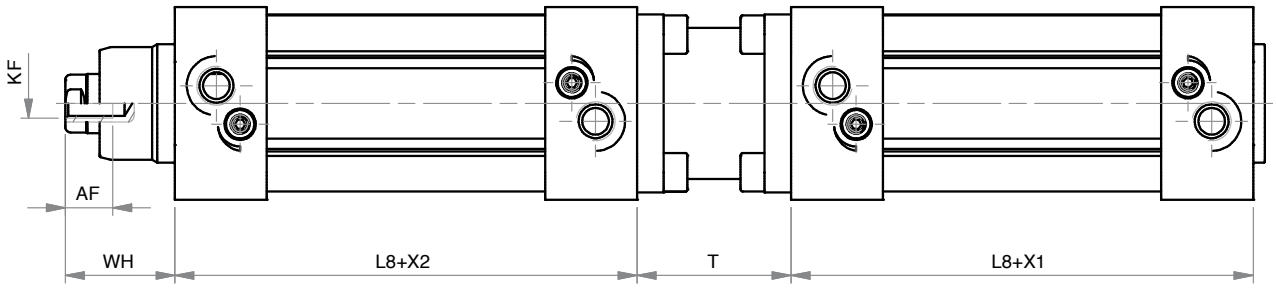
X1= 1° corsa - *1° stroke*
X2= 2° corsa - *2° stroke*

TANDEM DOPPIA SPINTA

DOUBLE THRUST TANDEM







DIMENSIONI - *DIMENSIONS*

Ø	032	040	050	063	080	100	125
A	22	24	32	32	40	40	54
AF	12	12	16	16	20	20	32
KF	M6	M8	M8	M10	M10	M12	M16
KK	M10x1,25	M12x1,25	M16x1,5	M16x1,5	M20x1,5	M20x1,5	M27x2
L8	94	105	106	121	128	138	160
T	39	45	52	53	65	77	93
WH	26	30	37	37	46	51	65
X1				I°CORSA - *I° STROKE*			
X2				II°CORSA - *II° STROKE*			
*	20	22	25	25	35	35	35

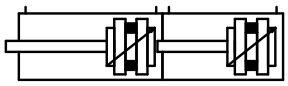
* = lunghezza ammortizzo - *cushioning length*

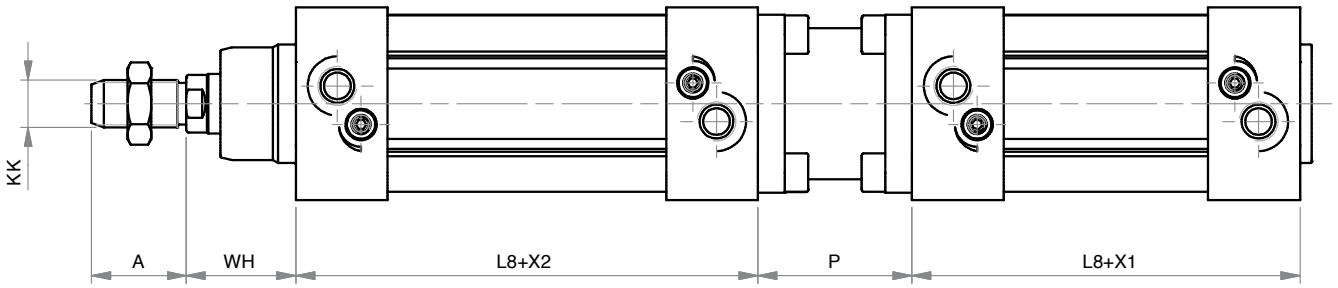
OPZIONE B - *OPTION B*

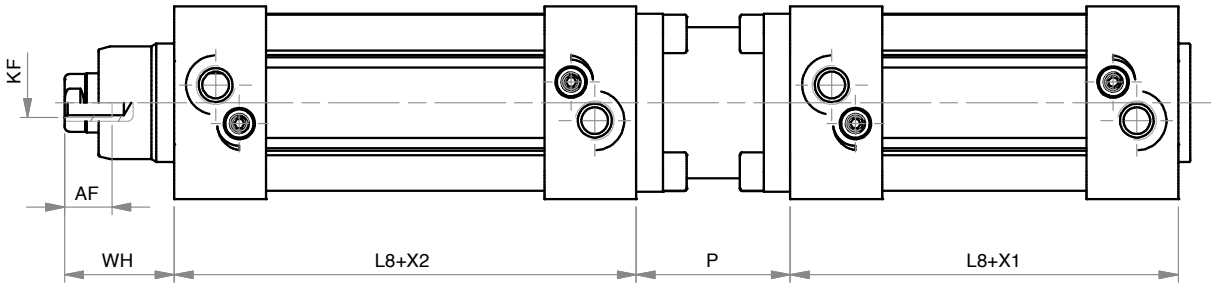
Ø	032	040	050	063	080	100	125
WH	86	100	127	127	156	161	205

TANDEM PIÙ POSIZIONI

MULTI-POSITION TANDEM







DIMENSIONI - *DIMENSIONS*

Ø	032	040	050	063	080	100	125
A	22	24	32	32	40	40	54
AF	12	12	16	16	20	20	32
KF	M6	M8	M8	M10	M10	M12	M16
KK	M10x1,25	M12x1,25	M16x1,5	M16x1,5	M20x1,5	M20x1,5	M27x2
L8	94	105	106	121	128	138	160
P	39	45	52	53	65	77	93
WH	26	30	37	37	46	51	65
X1				I°CORSA - *I° STROKE*			
X2				II°CORSA - *II° STROKE*			
*	20	22	25	25	35	35	35

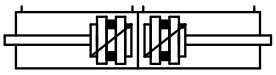
* = lunghezza ammortizzo - *cushioning length*

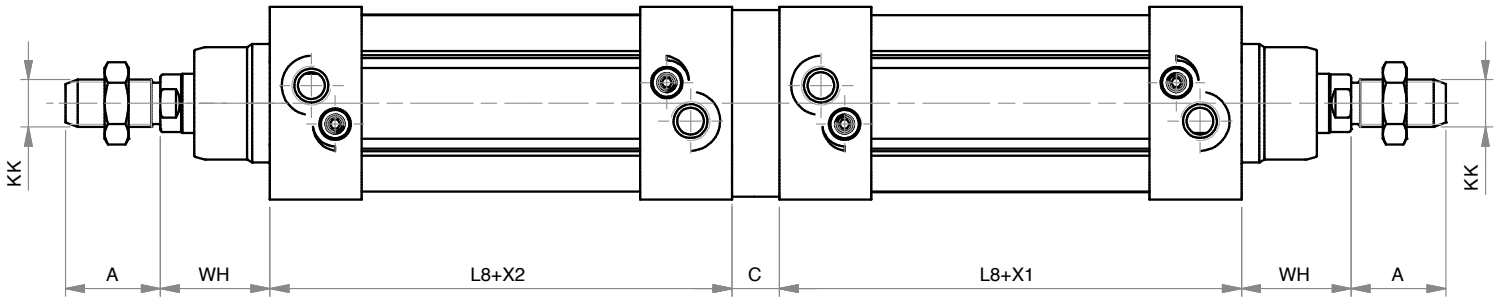
OPZIONE B - *OPTION B*

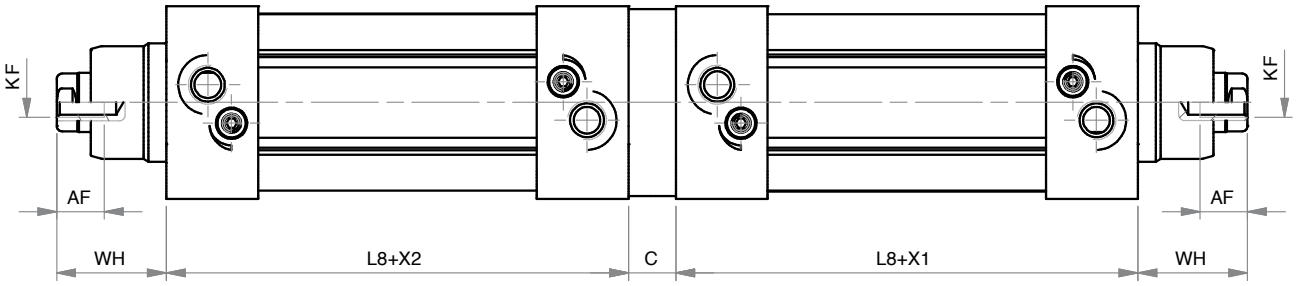
Ø	032	040	050	063	080	100	125
WH	86	100	127	127	156	161	205

TANDEM CONTRAPPOSTI POSTERIORI

REAR OPPOSED TANDEM







DIMENSIONI - *DIMENSIONS*

Ø	032	040	050	063	080	100	125
A	22	24	32	32	40	40	54
AF	12	12	16	16	20	20	32
KF	M6	M8	M8	M10	M10	M12	M16
KK	M10x1,25	M12x1,25	M16x1,5	M16x1,5	M20x1,5	M20x1,5	M27x2
L8	94	105	106	121	128	138	160
C	12	12	16	16	20	20	30
WH	26	30	37	37	46	51	65
X1				I°CORSA - *I° STROKE*			
X2				II°CORSA - *II° STROKE*			
*	20	22	25	25	35	35	35

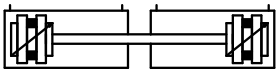
* = lunghezza ammortizzo - *cushioning length*

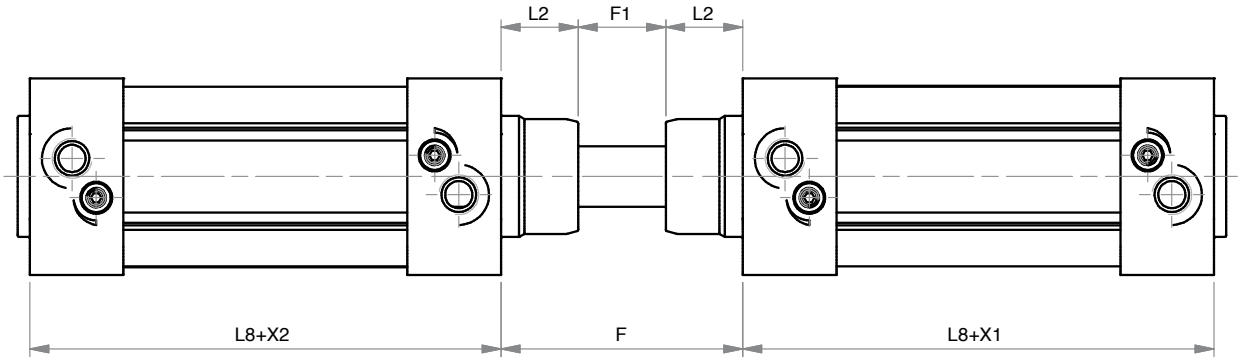
OPZIONE B - *OPTION B*

Ø	032	040	050	063	080	100	125
WH	86	100	127	127	156	161	205

TANDEM CONTRAPPOSTI ANTERIORI

FRONT OPPOSED TANDEM





DIMENSIONI - *DIMENSIONS*							
Ø	032	040	050	063	080	100	125
F	48	59	69	70	86	98	120
F1	12	15	18	18	22	22	28
L2	18	22	25,5	26	32	38	46
L8	94	105	106	121	128	138	160
X1	I°CORSA - *I° STROKE*						
X2	II°CORSA - *II° STROKE*						
*	20	22	25	25	35	35	35

* = lunghezza ammortizzo - *cushioning length*