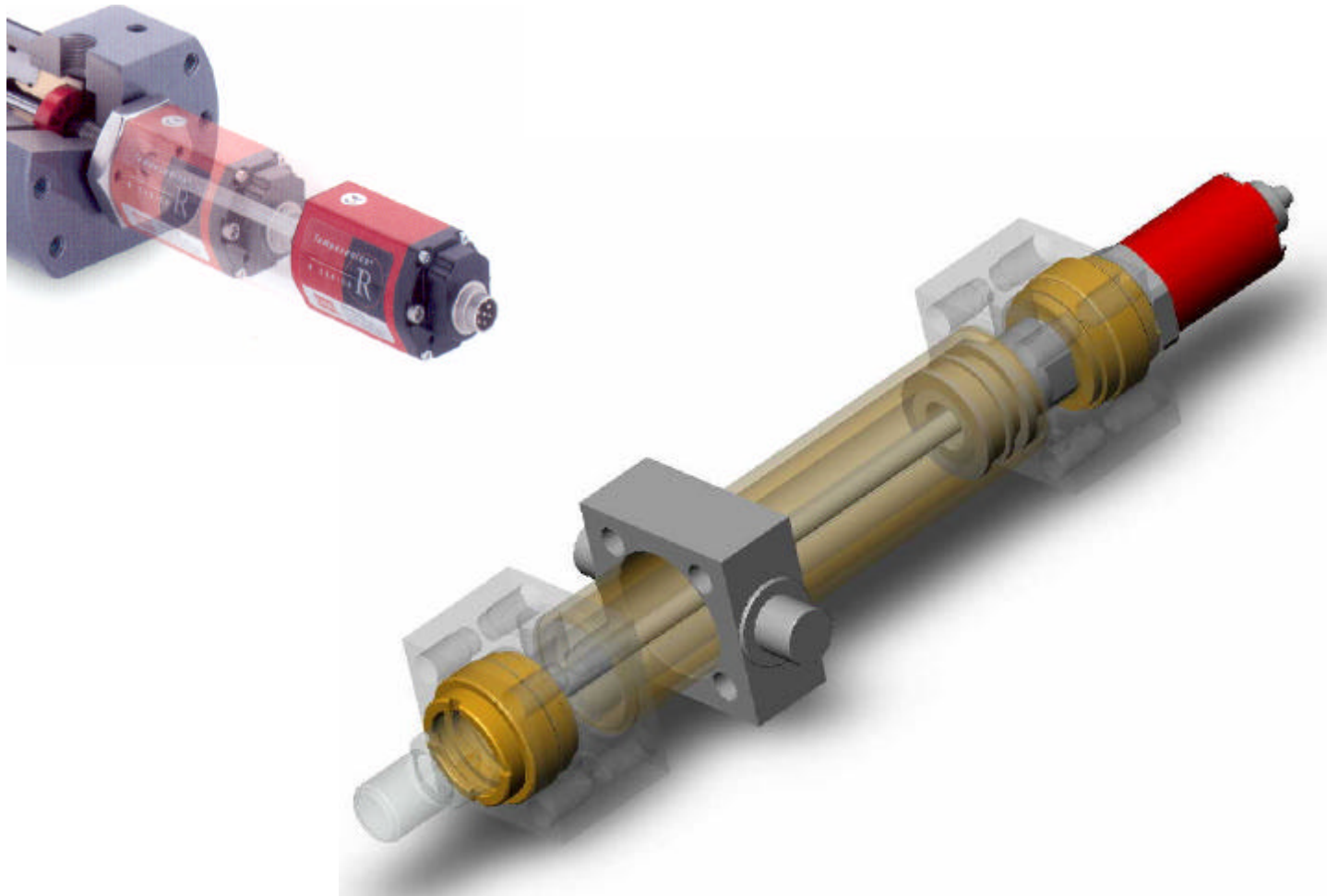




**Oleodinamica  
SABATINI s.r.l.**

**CILINDRI ISO 6020/2-91  
SERIE SCT**

**CATALOGO TECNICO DIMENSIONALE  
CILINDRI CON TRASDUTTORE LINEARE DI POSIZIONE**





**CODICI IDENTIFICATIVI**

TIPO		Alesaggio	stelo		Montaggio			frenature	corsa	distanziali		guarnizioni		Estremita' steli			
<b>SCT</b>	Analogico		/	Std	X	Versione base	MX5	No frenature	FROM 1 MM TO 2500 mm STANDARD	-	Std		standard	Maschio std			
	4-20	4-20mA	<b>SST</b>	temperato	A	Flangia anteriore	ME5										
	<b>20-4</b>	20-4mA	<b>40</b>	Diametri stelo	28	B	Flangia posteriore			ME6		SJ 50	1000/1500	Y	Bassa attrito	<b>SL</b> =maschio DIN 24554	
	<b>0-10</b>	0-10V	<b>50</b>		36	E	pedi			MS2							
	<b>10-0</b>	10-0V	<b>63</b>		45	H	Perni intermedi			MT4		SJ 100	1500/2000	W	Viton	<b>SF</b> =femmina	
	<b>S-S</b>	Start/stop	<b>80</b>		56	D	Snodo sferico			MP5							
	<b>Digitale</b>		<b>100</b>		70	M	Cerniera femmina			MP1					YP	Basso attrito solo pistone	<b>FL</b> = femmina DIN 24554
	<b>SSI</b>	SSI	<b>125</b>		90												
	<b>PDP</b>	Profibus DP	<b>160</b>		110												<b>SX</b> = versione speciale
	<b>CB</b>	Can bus	<b>200</b>		110												<b>ST</b> = tipo NFE

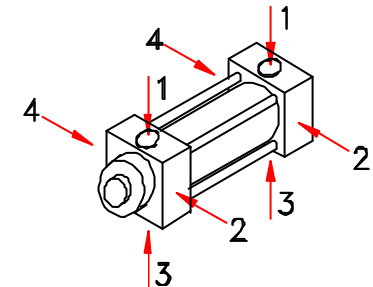
Esempio di codice : SCT 4-20 63/45 A 1000 Y SF 1.1:

- SCT Serie con trasduttore lineare di corsa magnetostrittivo
- 4-20 :uscita analogica 4-20 mA
- alesaggio : 63
- stelo 45
- Flangia anteriore ME5
- Corsa 1000
- Guarnizioni basso attrito
- Filettatura stelo femmina
- Posizione bocche olio "vedi particolare "

**N.B. LE MISURE INDICATE NEL PRESENTE CATAOLGO SONO SOGGETTO A VARIZIONE SENZA PREAVVISO**

Porte alimentazione olio :

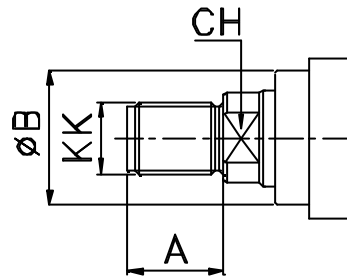
- 1.1 posizione standard



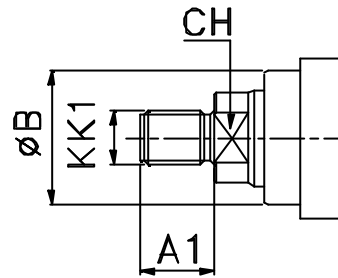


**ESTREMITA' STELI**

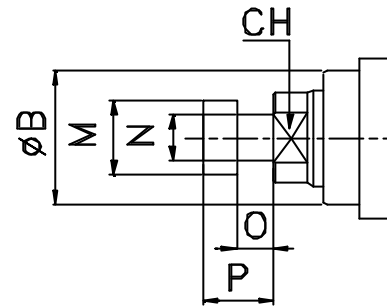
STANDARD



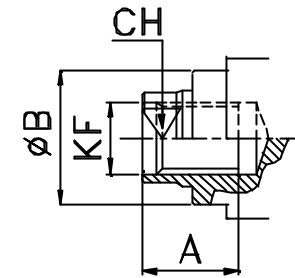
SL



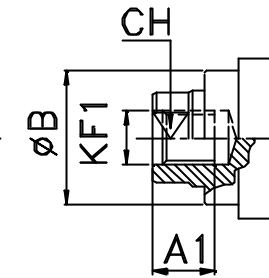
ST



SF



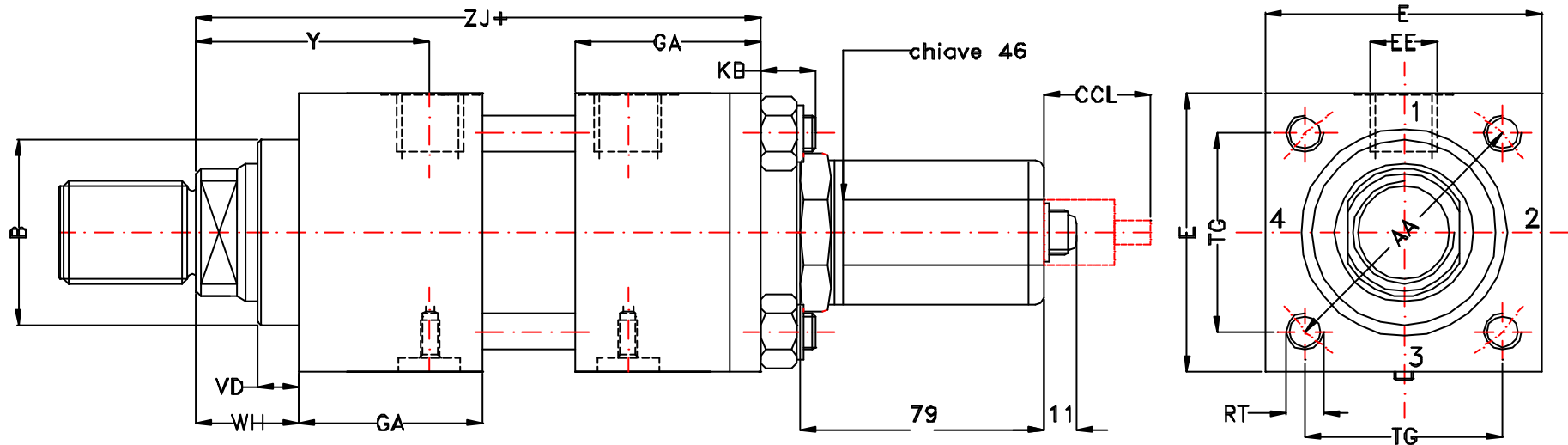
FL



(DIN 24554)

(DIN 24554)

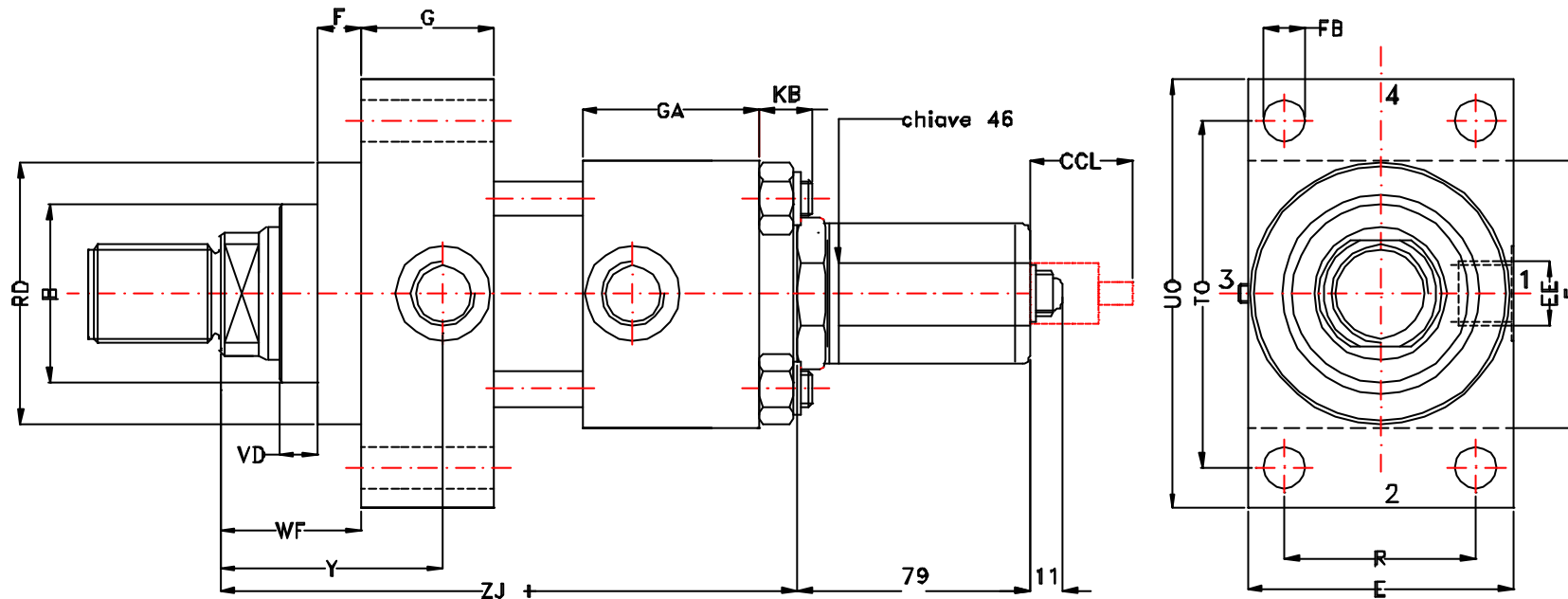
Rod	A	B	CH	KK	KF	Bore	Rod	A1	KK1	KF1
						40	28	18	M14*1.5	M12*1.25
						50	36	22	M16*1.5	M16*1.5
28	28	42	22	M20*1.5	M20*1.5	63	45	28	M20*1.5	M20*1.5
36	36	50	28	M27*2	M27*2	80	56	36	M27*2	M27*2
45	45	60	36	M33*2	M33*2	100	70	45	M33*2	M33*2
56	56	72	46	M42*2	M42*2	125	90	56	M42*2	M42*2
70	63	88	60	M48*2	M48*2	160	110	63	M48*2	M48*2
90	85	108	75	M64*3	M64*3	200	110	63	M48*2	M48*2
110	95	133	95	M80*3	M80*3					



Bore	E	EE	B	VD	Y	GA		WH	TG	RT	KB	AA	ZJ +..	CCL	NOTE
40	60	G 3/8"	Look rod extremities pag.3	12	60(*)	52		25	41.7	M8	14	59	155	54	+ =+ corsa
50	75	G 1/2"		9	67	60		26	52.3	M12	18	74	174	54	Quota CCL con connettore montato
63	90	G 1/2"		13	75(*)	60		32	64.3	M12	18	91	184	54	(*) non conforme 6020/2
80	110	G 3/4"		9	82(*)	74		31	82.7	M16	24	117	190	54	
100	130	G 3/4"		10	91(*)	77		35	96.9	M16	24	137	203	54	
125	165	G 1"		10	92(*)	78		35	125.9	M22	31	178	232	54	
160	200	G1"		7	97.5(*)	95		32	154.9	M27	36	219	245	54	
200	245	G1"1/4		7	112.5(*)	118		32	190.2	M30	38	269	299	54	



FLANGIA ANTERIORE: -A- ISO ME 5

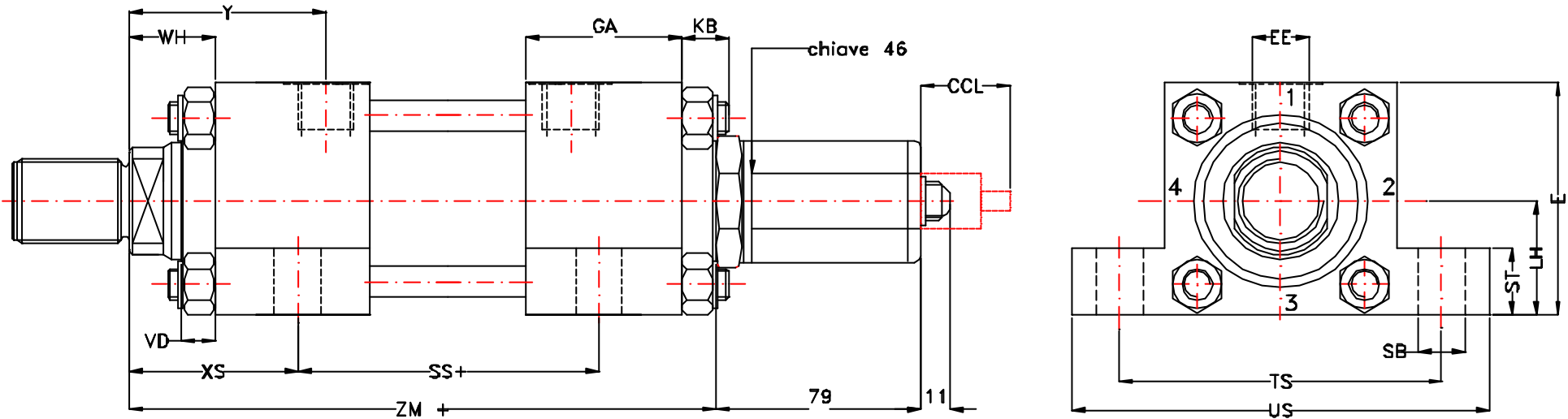


Bore	E	EE	B	WF	RD f8	VD	F	G	GA	R	UO	TO	Y	KB	FB	ZJ +	CCL	NOTE
40	60	G 3/8"	Look rod extremities pag.3	35	62	10	10	42	52	41	110	87	60(*)	14	11	155	54	+ = +corsa
50	75	G 1/2"		41	74	10	15	45	60	52	130	105	67	18	14	174	54	(*) non conforme 6020/2
63	90	G 1/2"		48	88	13	15	46	61	65	145	117	75(*)	18	14	184	54	Quota CCL con connettor e montato
80	115	G 3/4"		51	105	10	20	54	74	83	180	149	82(*)	24	18	190	54	
100	130	G 3/4"		57	125	10	22	55	77	97	200	162	91(*)	24	18	203	54	
125	165	G 1"		57	150	10	22	56	78	126	250	208	92(*)	31	22	232	54	
160	200	G 1"		57	170	7	25	70	95	155	300	253	97.5(*)	36	26	245	54	
200	245	G 1 1/4"		57	210	7	25	93	118	190	360	300	112.5(*)	38	33	299	54	

**N.B. SI PUO' ESEGUIRE ANCHE LA SOLUZIONE CON FLANGIA POSTERIORE B, ME 6** ,, contattare il Ns. ufficio tecnico



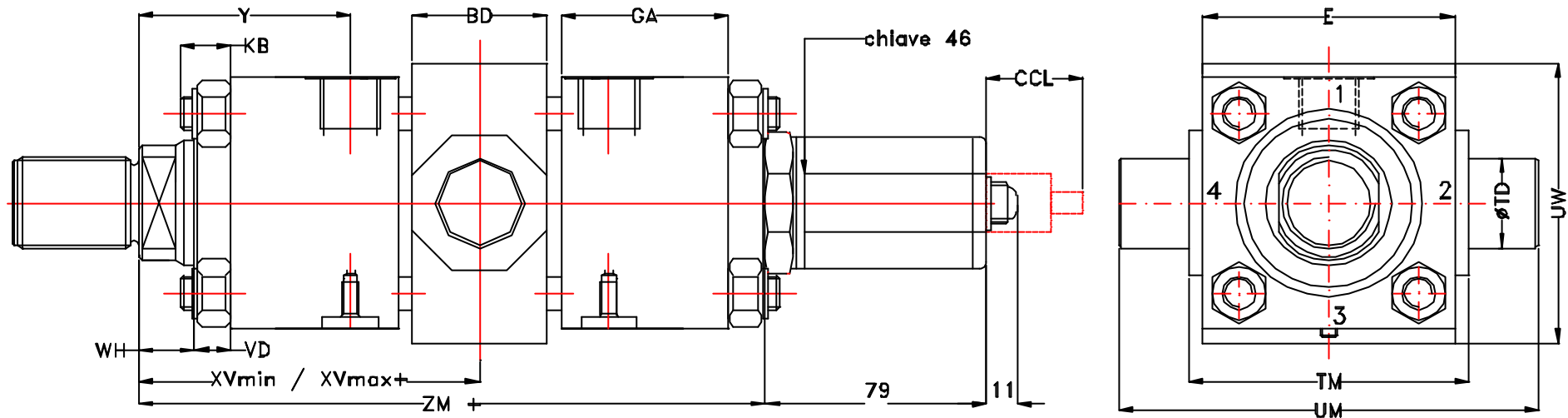
PIEDI : -E- ISO MS2



Bore	E	EE	XS	WH	VD	GA	SS+	US	TS	SB	ST	KB	LH	Y	ZM+	CCL	NOTE
40	60	G 3/8"	45	25	10	52	90	110(*)	83	11	12.5	14	31	60(*)	195	54	+ = +corsa
50	75	G 1/2"	54	26	10	60	92	130(*)	102	14	19	18	38	67	207	54	
63	90	G 1/2"	65	32	13	60	86	161	124	18	26	18	44	75(*)	223	54	(*) non conforme 6020/2
80	115	G 3/4"	68	31	10	74	109	186	149	18	26	24	57	82(*)	246	54	Quota CCL con connettore montato
100	130	G 3/4"	79	35	10	77	103	216	172	26	32	24	63	91(*)	265	54	
125	165	G 1"	79	35	10	78	130	250	210	26	32	31	82	92(*)	289	54	Estremita' steli vedi pag 3
160	200	G1"	86	32	7	95	130	315	260	33	38	36	101	97.5(*)	302	54	
200	245	G1"1/4	92	32	7	118	172	360	311	39	44	38	122	112.5(*)	361	54	



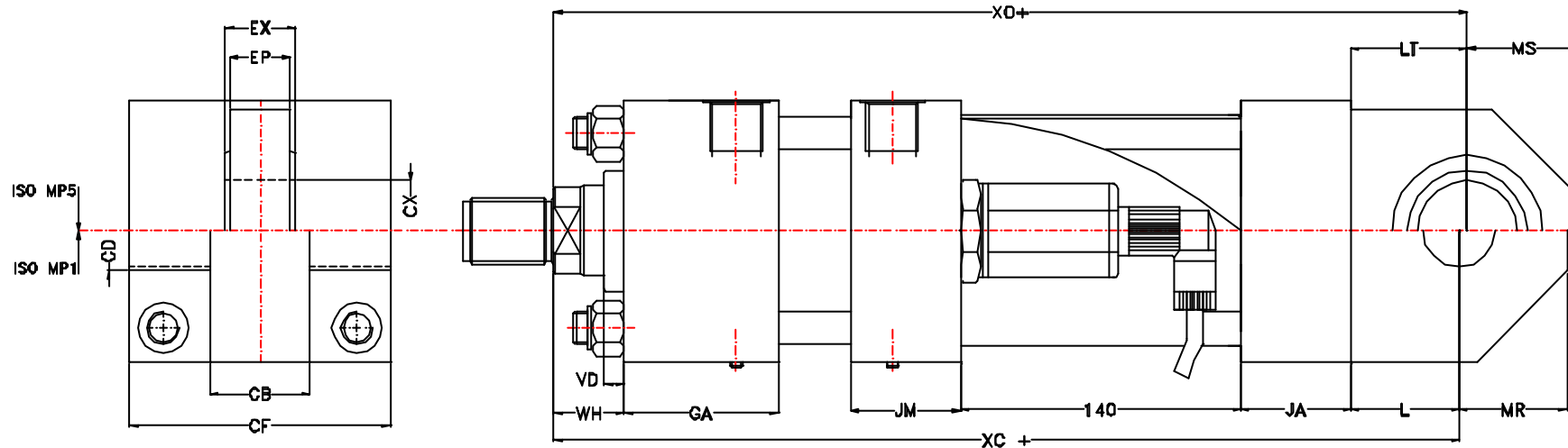
PERNI INTERMEDI: -H- ISO MT4



Bore	XVmin	XVmax	GA	VD	E	KB	BD	WH	UM	TM	TD f8	Y	UW	ZM+	CCL	NOTE
40	96	92+	52	10	60	14	29	15	108	76	20	60(*)	70	195	54	+ = +corsa
50	106	94+	60	10	75	18	38	16	129	89	25	67	85	207	54	
63	118	98+	60	13	90	18	48	19	150	100	32	75(*)	105	223	54	(*) non conforme 6020/2
80	133	108+	74	10	115	24	58	21	191	127	40	82(*)	125	246	54	Quota CCL con connettore montato
100	147	113+	77	10	130	24	68	25	220	140	50	91(*)	145	265	54	
125	166	123+	78	10	165	31	88	25	278	178	63	92(*)	215	289	54	Estremita' steli vedi pag 3
160	183.5	118.5+	95	7	200	36	108	25	341	215	80	97.5(*)	260	302	54	
200	215.5	145.5+	118	7	245	38	125	25	439	279	100	112.5(*)	355	361	54	



SNODO SFERICO POSTERIORE -D-, ISO MP5  
FORCELLA POSTERIORE -M-, ISO MP1



Bore	CF	CB	CD f8	VD	WH	XC+	L	MR	GA	JM	JA	CX <sub>n7</sub>	EP	EX	LT	MS	XO+	NOTE
40	60	20	14	10	10	364	19	16	52	52	50	20	14	16	25	29	370	+ = +corsa
50	75	30	20	10	15	391	32	18	60	60	45	25	18	20	31	33	390	
63	90	30	20	13	15	401	32	18	60	60	45	30	20	22	38	40	407	(*) non conforme 6020/2
80	115	40	28	10	20	419	39	31	74	74	50	40	24	28	48	50	428	
100	130	50	36	10	22	452	54	46	77	77	55	50	30	35	58	57	456	Estremita' steli vedi pag 3
125	165	64(*)	45	10	22	486	57	53	78	78	57	60	40	44	72	78	501	
160	200	80(*)	56	7	25	557	63	57	95	95	70	80	50	55	92	98	547	Quota CCL con connettore montato
200	245	80	70	7	25	611	84	76	118	118	88	100	65	70	116	135	643	

MISURE SOGGETTE A VARIAZIONI SENZA PREAVVISO



**DATI ED ACCESSORI TRASDUTTORI**

**DATI TECNICI :**

- Alta affidabilità
- Risoluzione fino a 2 micron mm
- Ripetibilità :0.001%
- Non linearità : 0.01%
- Corsa elettrica 25-7500 mm
- Estraibilità dell'unità elettronica senza apertura del cilindro idraulico

**Uscita analogica :**

- 0..10 Vdc
- 4—20mA

**Uscita digitale**

- Start/Stop
- SSI
- CAN bus
- CAN open
- Profibus-DP
- Interbus-S
- Device Net



**Connections**

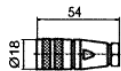


Male insert sensor plug rear of cable connector

Connector	Cable	Analog	Digital
Pin 1	gray	V / mA	Stop (-)
Pin 2	pink	DC Ground	Stop (+)
Pin 3	yellow	PC programming	Start (+)
Pin 4	green	PC-programming	Start (-)
Pin 5	brown	+24 VDC (-15 / +20 %)	
Pin 6	white	DC Ground	

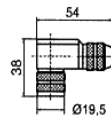


**Cable connector (recommended, not on delivery)**



6 pin female connector M16, PG7  
Part No. ST C0 9131D

6 pin female connector M16, PG9  
Part No. ST C0 9131D06 PG9



6 pin 90°-female connector M16  
insert adjustable in 45° positions  
Part No. ST C0 9131-6

Housing: Zinc, nickel plated  
Termination: Solder  
Contact insert: Silver plated  
Cable clamp: PG 7/9, M16  
Cable-Ø: 4-6 mm (PG7)  
Cable-Ø: 6-8 mm (PG9, M16)