



ADDITIONAL STABILIZERS

Our Ferrari International **EVO stabilizer series** includes models of additional stabilizers to stabilize vehicles of any type of utilization – transport, lifting and maintenance.

Available in fixed, manual and hydraulic versions, they cover an extended range of mountings for cranes

ranging from **5 tm up to 140 tm**, granting safety to the operators also thanks to the variety of versions and accessories: they can be in fact equipped with **various state-of-the-art sensor kits to control the opening, closing and grounding of the stabilizer**.



Fixed Stabilizer



Mechanical Stabilizer

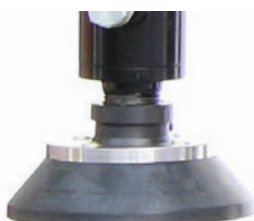


Hydraulic Stabilizer

Supplied as standard

Plastic swiveling foot

Full rod insertion -
supplied on 08 and 18 series stabilizers



Steel swiveling foot

Full rod insertion -
Supplied on 28 series of stabilizers onwards



Following the ever-growing request from the market, we have introduced the new **Ferrari International stabilizer EVO HX series with internal hosing**: all **the hydraulic connections, the hoses and sensors are contained inside the frame of the stabilizer**, granting greater ease of installation with greatly reduced external encumbrance and **excellent protection from external impacts, salinity and bad weather for all hydraulic components**.



The cylinders for stabilizers series EVO and EVO HX **allow the installer to regulate the position of the jack**, modifying the overall encumbrance to better fit the frame of the truck.

For models **EVO 08 and EVO 18**, it is possible thanks to the **LOCK RING SYSTEM**, two internally dented half-rings for a better grip, that are tightened on the shell of the cylinder avoiding any movement when pushing to the ground.

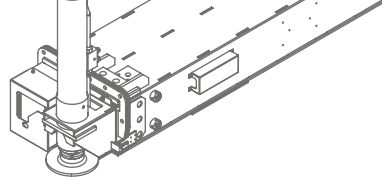


ADDITIONAL STABILIZERS

From model **EVO 28 onwards**, a hollow distance piece and a seeger ring are included with the stabilizer. **These allow to regulate the cylinder height:**

- 1.** The distance piece is supplied uncut, so that the operator can measure the upper and lower parts of the cylinder barrel and cut it accordingly.
- 2.** Once all the components are dismantled and the jack is extracted from its position, the lower part of the distance piece can be inserted.
- 3.** Once the jack is repositioned, the operator can insert the upper part of the distance piece.
- 4.** Finally, the operator can proceed to remount all the components dismantled in the first phase.

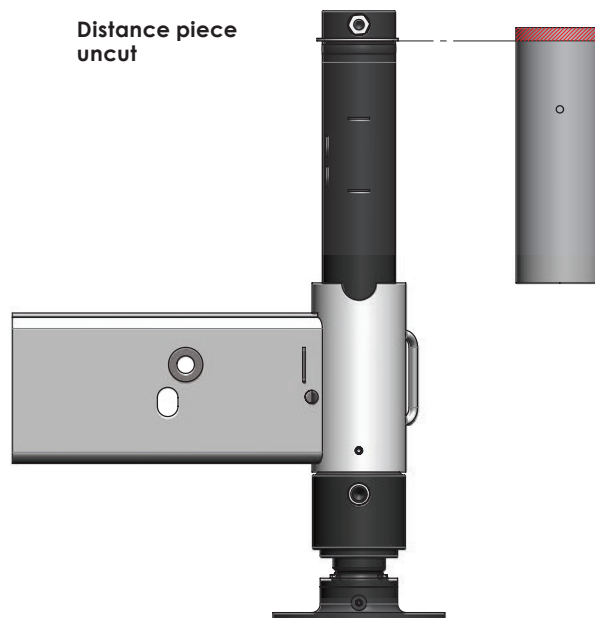
* Further details in the user manual



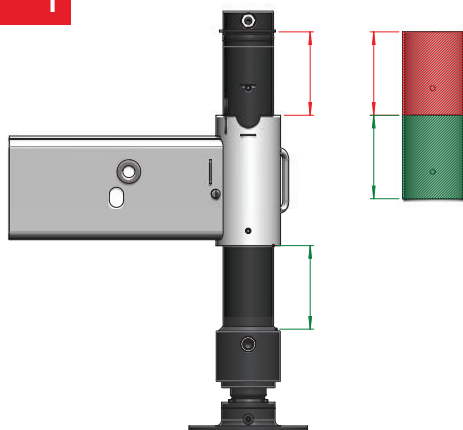
02



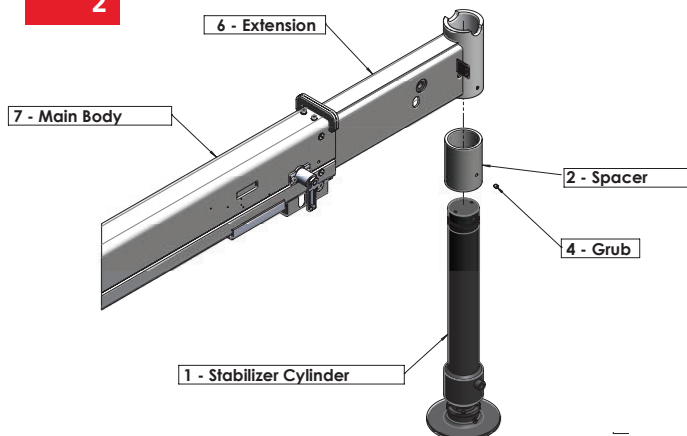
Distance piece uncut



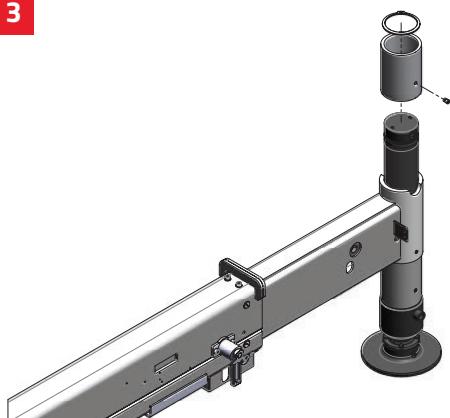
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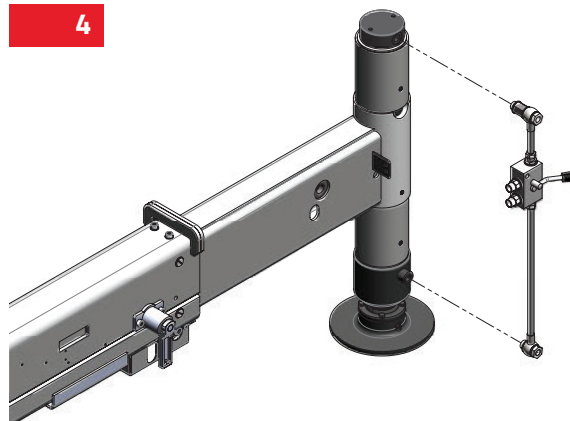
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3



4



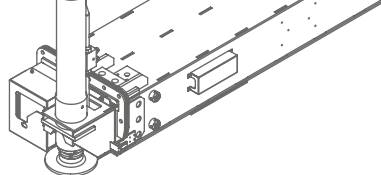
EVO F

Fixed Stabilizers

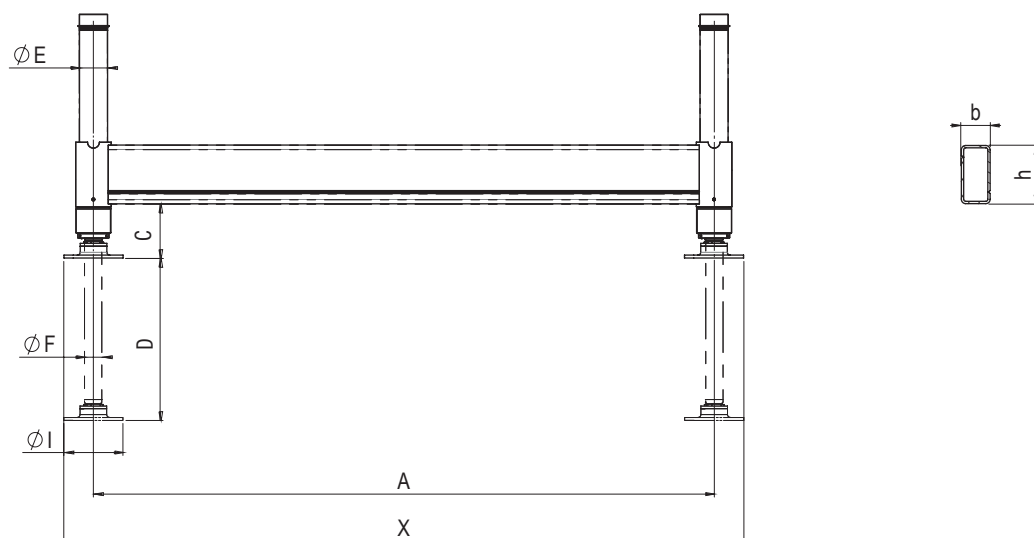


MODEL	CRANE R.MAX	WEIGHT	A	X	h x b	C MIN	C MAX	I	D	E	F	H	M	
	tm	daN	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	
EVO 08 1.6 FL	2>6	2500	66	1600	1760	120x80	200	470	160	400	70	40	640	310
EVO 08 1.6 F	2>6	2500	63	1600	1760	120x80	200	400	160	330	70	40	570	240
EVO 08 1.8 FL	2>6	2500	68	1800	1960	120x80	200	470	160	400	70	40	640	310
EVO 08 1.8 F	2>6	2500	65	1800	1960	120x80	200	400	160	330	70	40	570	240
EVO 18 2.0 F	6>12	3100	77	2000	2160	120x80	210	470	160	400	70	40	640	300
EVO 28 2.0 FL	12>25	6300	124	2000	2200	180x100	185	640	200	605	85	60	860	500
EVO 28 2.0 F	12>25	6300	116	2000	2200	180x100	185	480	200	450	85	60	710	345
EVO 38 2.1 FL	19>36	8300	173	2100	2300	200x100	185	740	200	696	95	60	975	590
EVO 38 2.1 F	19>36	8300	163	2100	2300	200x100	185	600	200	550	95	60	830	445
EVO 38 2.1 FS	19>36	8300	153	2100	2300	200x100	185	450	200	400	95	60	680	295

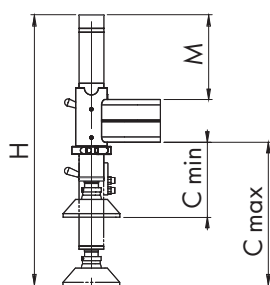
ADDITIONAL STABILIZERS



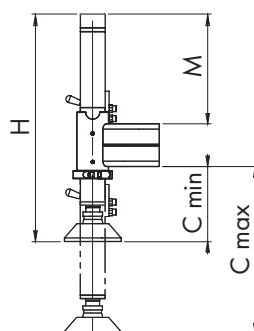
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EVO 08 - EVO 18

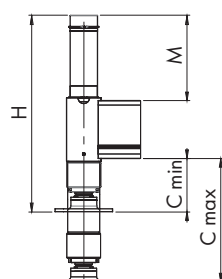


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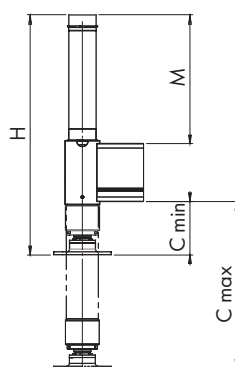


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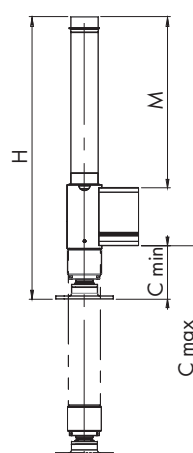
EVO 28 - EVO 38



vers: S



vers: STANDARD



vers: L

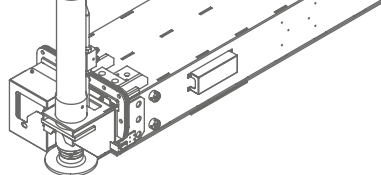
EVO M

Mechanical Stabilizers

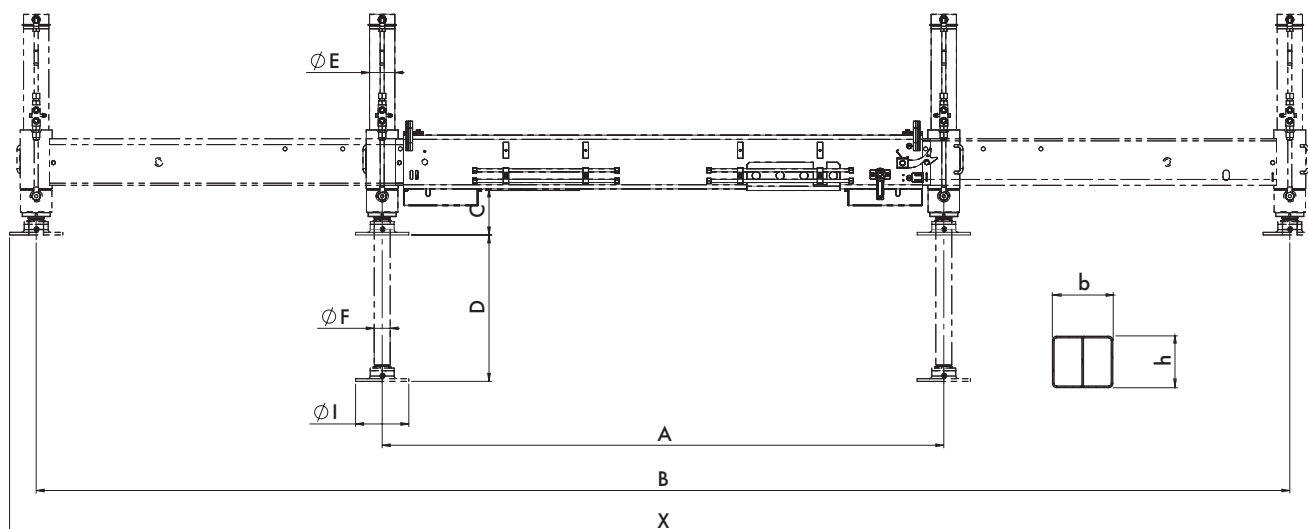


MODEL	CRANE R.MAX WEIGHT			A	B	X	h x b	C MIN	C MAX	I	D	E	F	H	M
	tm	daN	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
EVO 08 2.6 M	2>6	1600	75	1600	2600	2760	120x80	235	435	160	330	70	40	570	210
EVO 08 2.6 ML	2>6	1600	79	1600	2600	2760	120x80	235	500	160	400	70	40	640	280
EVO 08 2.8 M	2>6	1600	79	1800	2800	2960	120x80	235	435	160	330	70	40	570	210
EVO 08 2.8 ML	2>6	1600	83	1800	2800	2960	120x80	235	500	160	400	70	40	640	280
EVO 18 3.3 M	6>12	3000	104	2090	3370	3530	140x90	235	470	160	400	70	40	640	290
EVO 28 3.3 ML	12>25	6300	220	2110	3310	3510	200x100	170	620	200	605	85	60	865	490
EVO 28 3.3 M	12>25	6300	205	2110	3310	3510	200x100	170	470	200	450	85	60	710	340
EVO 28 4.4 ML	12>25	6200	244	2120	4410	4610	200X200	170	620	200	605	85	60	865	490
EVO 28 4.4 M	12>25	6200	237	2120	4410	4610	200X200	170	470	200	450	85	60	710	340
EVO 38 3.3 ML	19>36	9000	225	2100	3300	3500	200x120	170	730	200	696	95	60	975	600
EVO 38 3.3 M	19>36	9000	218	2100	3300	3500	200x120	170	580	200	550	95	60	830	450
EVO 38 3.3 MS	19>36	9000	210	2100	3300	3500	200x120	170	430	200	400	95	60	680	300
EVO 38 4.7 ML	19>36	8600	350	2110	4710	4910	200X240	170	730	200	696	95	60	975	600
EVO 38 4.7 M	19>36	8600	340	2110	4710	4910	200X240	170	580	200	550	95	60	830	450
EVO 38 4.7 MS	19>36	8600	320	2110	4710	4910	200X240	170	430	200	400	95	60	680	300

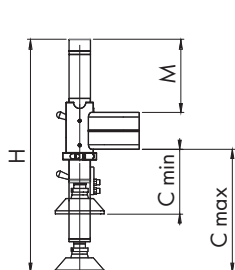
ADDITIONAL STABILIZERS



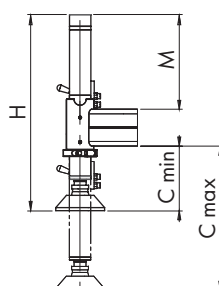
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EVO 08 - EVO 18

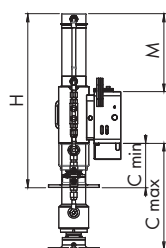


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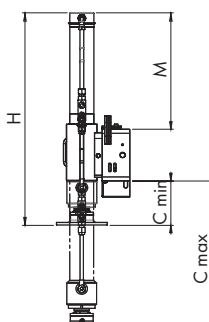


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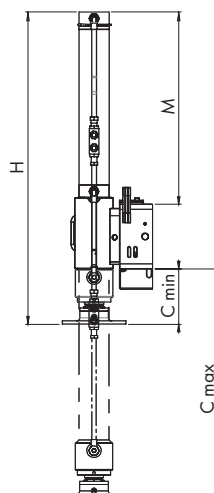
EVO 28 - EVO 38



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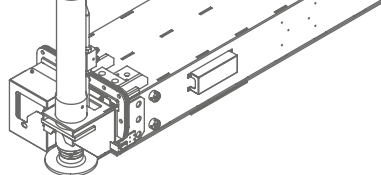


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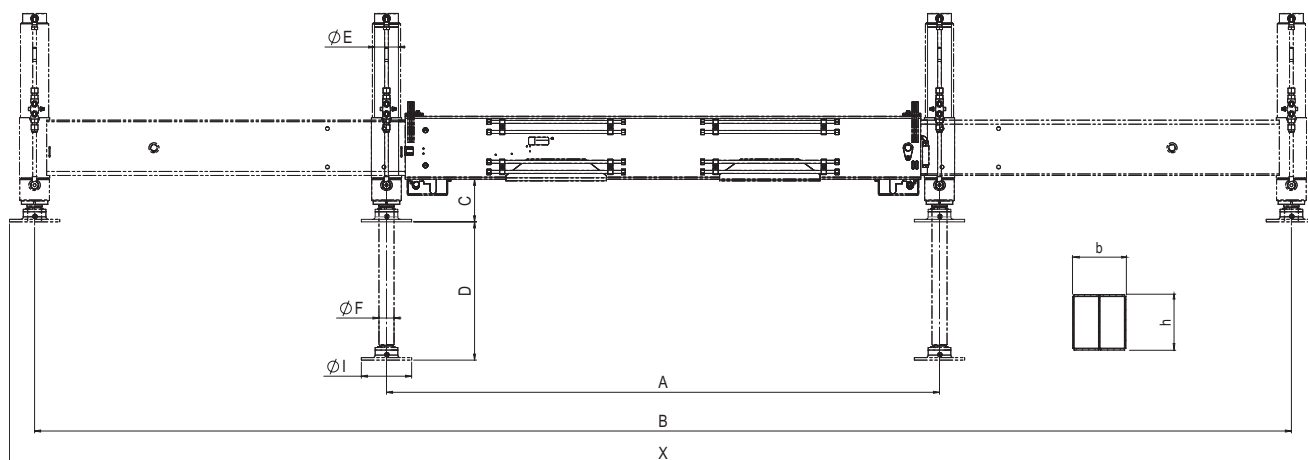
EVO H**Hydraulic Stabilizers - External Hoses**

MODEL	CRANE	R. MAX	WEIGHT	A	B	X	h x b	C MIN	C MAX	I	D	E	F	H	M
	tm	daN	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
EVO 28 3.3 HL	12>25	6300	235	2110	3310	3510	200x100	170	620	200	605	85	60	865	490
EVO 28 3.3 H	12>25	6300	220	2110	3310	3510	200X100	170	470	200	450	85	60	710	340
EVO 28 4.4 HL	12>25	6200	287	2120	4410	4610	200X200	170	620	200	605	85	60	865	490
EVO 28 4.4 H	12>25	6200	281	2120	4410	4610	200X200	170	470	200	450	85	60	710	340
EVO 38 3.3 HL	19>36	9000	283	2100	3300	3500	200X120	170	730	200	696	95	60	975	600
EVO 38 3.3 H	19>36	9000	255	2100	3300	3500	200X120	170	580	200	550	95	60	830	450
EVO 38 3.3 HS	19>36	9000	227	2100	3300	3500	200X120	170	430	200	400	95	60	680	300
EVO 38 4.7 HL	19>36	8600	410	2110	4710	4910	200X240	170	730	200	696	95	60	975	600
EVO 38 4.7 H	19>36	8600	400	2110	4710	4910	200X240	170	580	200	550	95	60	830	450
EVO 38 4.7 HS	19>36	8600	390	2110	4710	4910	200X240	170	430	200	400	95	60	680	300
EVO 48 5.0 HL	25>40	10500	425	2200	5000	5200	250X240	170	710	200	696	95	60	975	555
EVO 48 5.0 H	25>40	10500	416	2200	5000	5200	250X240	170	565	200	550	95	60	830	410
EVO 48 5.0 HS	25>40	10500	407	2200	5000	5200	250X240	170	415	200	400	95	60	680	260
EVO 68 5.0 H	40>60	14000	575	2200	5000	5200	300x240	85	505	200	650	105	70	935	550
EVO 68 5.0 HS	40>60	14000	555	2200	5000	5200	300x240	85	350	200	500	105	70	785	400
EVO 88 6.0 H	50>80	17000	883	2290	6000	6200	320x320	135	530	200	600	125	90	905	450
EVO 88 6.0 HS	50>80	17000	863	2290	6000	6200	320x320	135	380	200	450	125	90	755	300
EVO 108 6.9 H	70>100	18000	1010	2315	6900	7100	320x360	75	465	200	600	125	90	905	510
EVO 108 6.9 HS	70>100	18000	985	2315	6900	7100	320x360	75	315	200	450	125	90	755	360

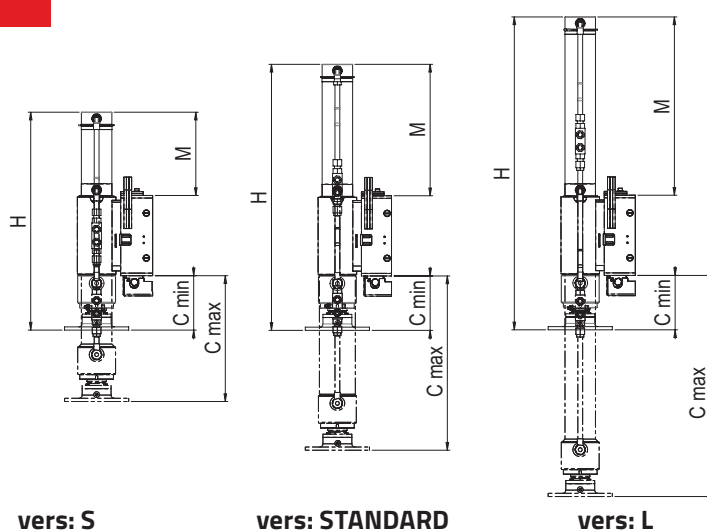
ADDITIONAL STABILIZERS



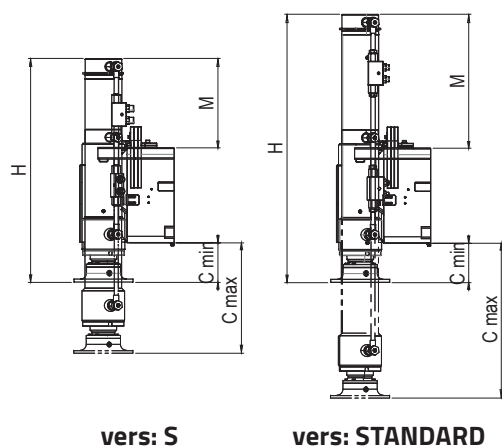
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EVO 28 - EVO 48

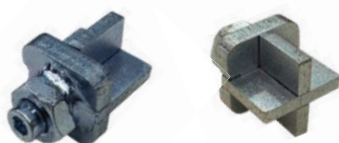


EVO 68 - EVO 108



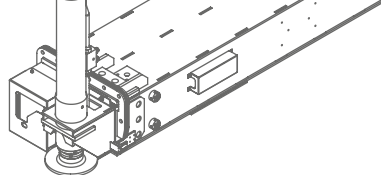
EVO HX**Hydraulic Stabilizers - Internal Hoses**

MODEL	CRANE	R.MAX WEIGHT	A	B	X	h x b	C MIN	C MAX	I	D	E	F	H	M
	tm	daN	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
EVO 28 5.0 HXL	12 > 25	7000	520	2250	5000	5200	225x386	0	385	200	605	85	60	865 470
EVO 28 5.0 HX	12 > 25	7000	510	2250	5000	5200	225x386	0	540	200	450	85	60	710 630
EVO 38 5.0 HXL	19 > 36	9000	560	2250	5000	5200	235X405	0	630	200	696	95	60	975 730
EVO 38 5.0 HX	19 > 36	9000	550	2250	5000	5200	235X405	0	490	200	550	95	60	830 585
EVO 38 5.0 HXS	19 > 36	9000	540	2250	5000	5200	235X405	0	340	200	400	95	60	680 435
EVO 58 5.2 HXL	25 > 40	11000	620	2250	5200	5400	235X405	0	610	200	696	95	60	975 740
EVO 58 5.2 HX	25 > 40	11000	610	2250	5200	5400	235X405	0	465	200	550	95	60	830 595
EVO 58 5.2 HXS	25 > 40	11000	600	2250	5200	5400	235X405	0	315	200	400	95	60	680 445
EVO 68 6.0 HX	40>60	12500	650	2330	5930	6130	315X300	75	500	200	650	105	70	935 550
EVO 68 6.0 HXS	40>60	12500	630	2330	5930	6130	315X300	75	350	200	500	105	70	785 400
EVO 88 6.0 HX	70>100	20000	970	2310	5910	6110	335x330	70	455	200	600	125	90	900 500
EVO 88 6.0 HXS	70>100	20000	950	2310	5910	6110	335x330	70	315	200	450	125	90	765 355
EVO 108 7.2 HXL	90>110	20000	1460	2290	7200	7455	340x640	0	245	255	600	125	90	900 585
EVO 108 7.2 HX	90>110	20000	1440	2290	7200	7455	340x640	0	110	255	450	125	90	765 435
EVO 118 8.2 HXL	100>140	20000	1860	2320	8200	8400	330x650	0	410	200	600	125	90	900 585
EVO 118 8.2 HX	100>140	20000	1840	2320	8200	8400	330x650	0	280	200	450	125	90	765 435

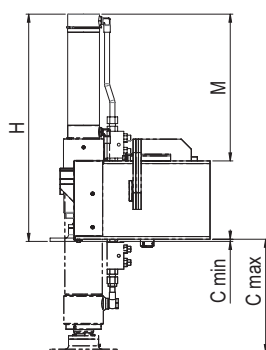
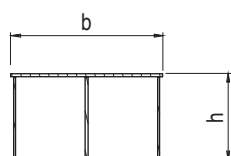
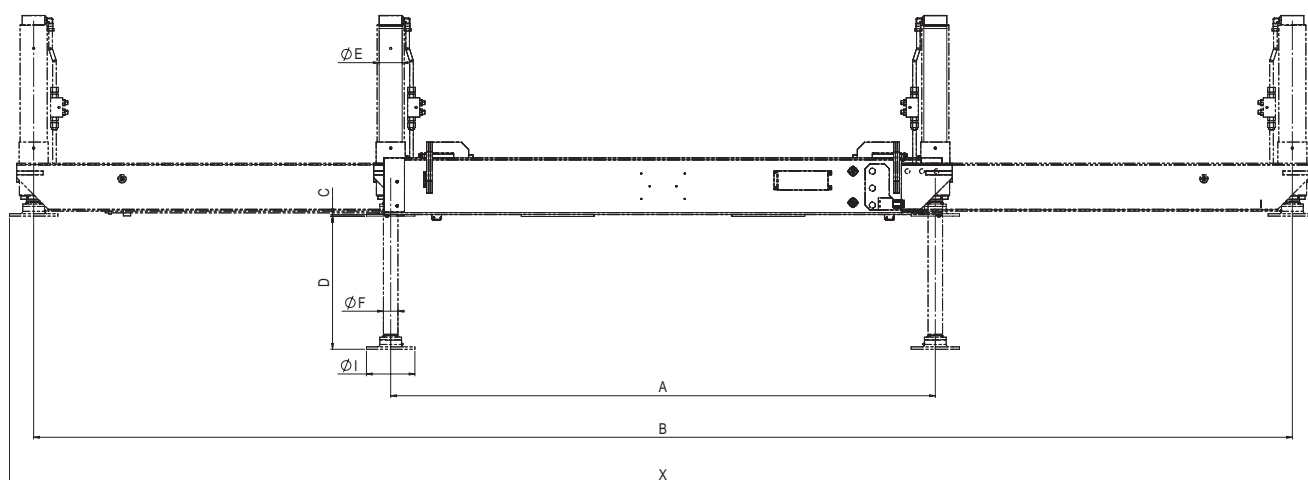


**Tool for adjusting the skates
supplied as standard with Internal
Tube Stabilizers**

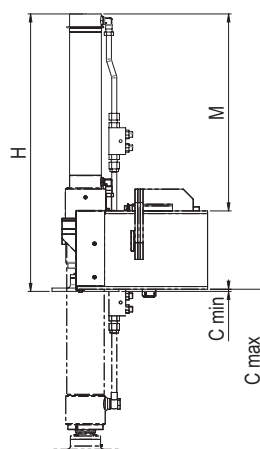
ADDITIONAL STABILIZERS



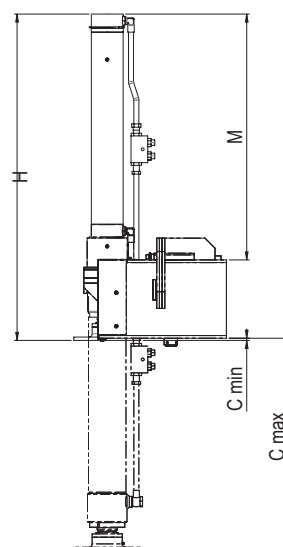
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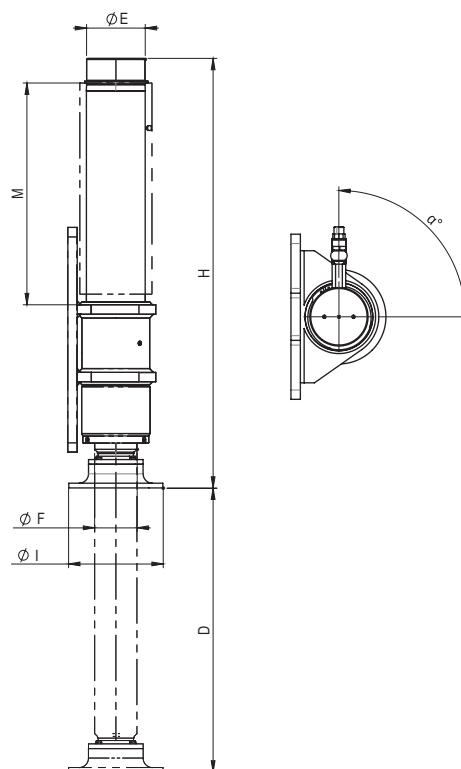


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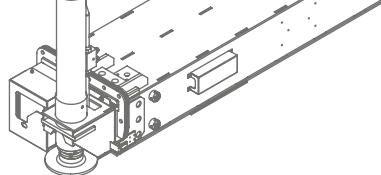


vers: L

CMA Cylinders for Front Chassis Mounting



MODEL	R.MAX WEIGHT		C MIN	C MAX	I	D	E	F	H	M	α
	daN	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm
CMA9560SR	9000	50	23	290	200	400	95	60	680	180	82°
CMA9560R	9000	58	23	440	200	550	95	60	830	300	82°
CMA9560LR	9000	66	23	585	200	696	95	60	975	475	82°
CMA12590R	20000	98	76	395	200	450	125	90	765	205	90°
CMA12590LR	20000	110	76	545	200	600	125	90	900	360	90°



OPTIONAL **LED STRIP**

High visibility LED strips can be mounted on all models of Ferrari International additional stabilizers. They shall be installed on the stabilizing cylinders, **to enhance the working area visibility.**

The LED strip kit is 24V, with amber colour light and is available in **three versions depending on the cylinder diameter.**

Predisposition for LED strips mounting is available as optional. It includes the LED power cable, protected by a corrugated pipe, and a superseal connector.

When, along with the stabilizer and LED strips, microswitch kits are also ordered, **the mounting of LED cables and microswitch kit** is available as optional.

In any case, the final assembly of **the LED ring must be carried out by the operator** once the distance pieces or clamping rings have been adjusted and mounted (see pages 40-41)



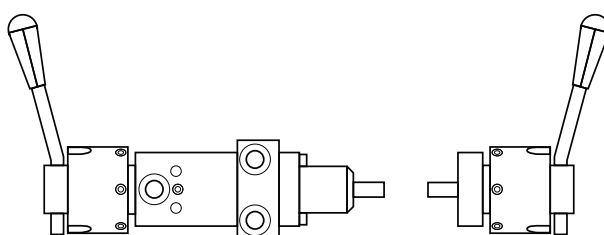
OPTIONAL **ROD EXTENSION**

Extension permitting **an extra stroke of 120 mm**, in order to reduce the distance between the stabilizer and the pad. This allows to correctly stabilize the vehicle.

OPTIONAL **ADDITIONAL DISTRIBUTOR**

Additional distributor for all vehicles **not including an hydraulic command** for additional stabilizers.

This distributor redirects the oil flow to the additional stabilizers mounted on the vehicle.



OPTIONAL **KIT MICRO**

Our range of EVO stabilizers can be completed with the **"Kit Micro"**, a set of **sensors necessary to grant safety** during operations and compliance with EN 12999.

Depending on the models, these kits are composed by 2 microswitches to check stabilizer full extension, two microswitches to check grounding of cylinders, and two microswitches to check if the extensions have returned, once the stabilizer is recalled in place.

If the machine electronics permit it, two strain gauges / encoders (4-20 mA) can be mounted to proportionally check the opening of the stabilizer. For Palfinger cranes, original CAN BUS and S-IQ transducers can be provided.

All sensors are protected from impacts and weather with steel carters, and wirings are collected inside a **waterproof box**.

