



CODE ZERO FURLER

Our code zero furlers are the lightweight solutions to have an automatic furler to control code zeros by on board hydraulic. They have a 100% waterproof black hard coated aluminium body for top performances and reliability.

All our furlers have fast pins for quick connection of the sail; starting from IG 09000 size, a manual back-up system allows to furl the sail without hydraulic power. A special gear system doesn't let to unfurl the sail under high load and it doesn't keep pressure on the hydraulic system while sailing.

Many types of fixing ways are available for all sizes: custom length of chain plates turnbuckle available on request.

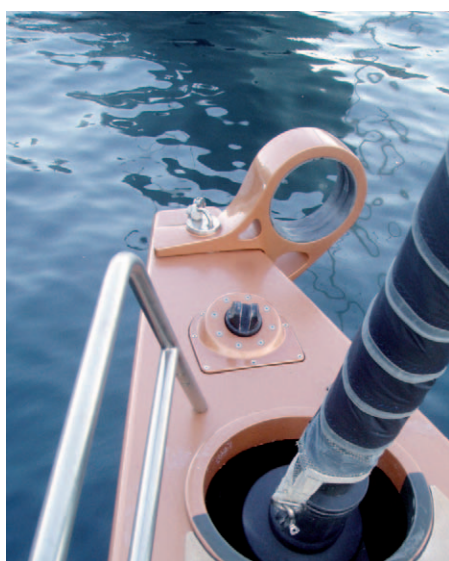


IG 09000 code zero furler

MODEL	Halyard Max working load		Max oil pressure		Min flow rate	Max speed @ max flow rate	Weight		Dimensions
	kg ⁽¹⁾	lb ⁽¹⁾	bar	psi	lpm	rpm @ lpm ⁽²⁾	kg	lb	mm
IG 04500	4500	9921	140	2030	4	68 @ 25	9,2	20,3	170x170x185
IG 09000	9000	19841	140	2030	4	48 @ 20	16,7	36,8	204x207x280
IG 16000	16000	35273	400	5800	7	105 @ 48	35,0	77,2	227x262x298
IG 23000	23000	50705	400	5800	15	215 @ 128	67,8	149,5	303x331x368
IG 47000	47000	103400	400	5800	15	150 @ 200	135	297	511x404x356

(1) Working load on halyard: traction load

(2) Example for IG 04500: 68 revolutions per minute with 25 litres per minute of oil. No higher flow is allowed.
For lower speed just reduce proportional the amount of oil. Faster model available on request.



An IG 09000 with a Giro91P on the bow of a 88' yacht

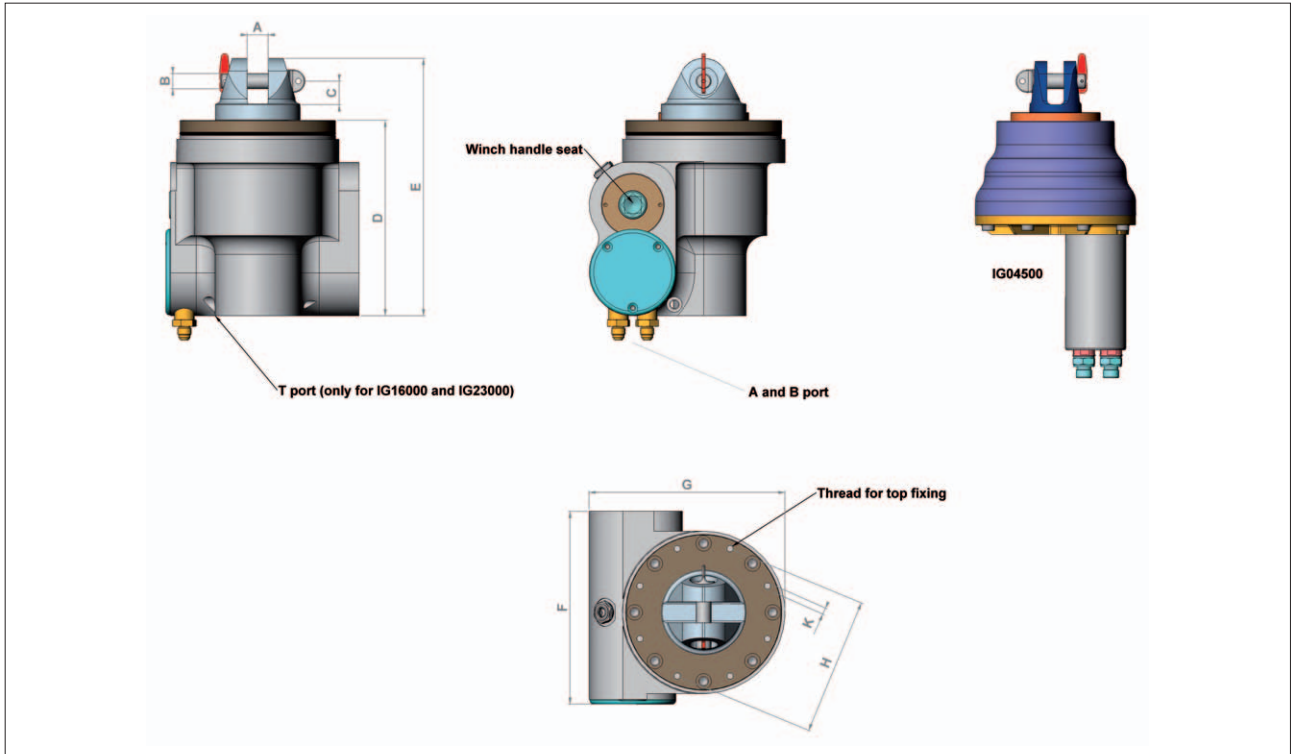


Cariboni's code zero furlers: from IG 04500 (left bottom) to the IG 47000 (top right). IG 47000 has a custom fork according to the stay terminal design

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Here below all the main dimensions of our code zero furlers. IG 47000 has the T port too. The T port (or drain line) must be connected straight to the oil tank.

To be able to control a furler, only a directional valve is required. In case of no turning of the furler, it is not required to use hydraulic pressure to keep the system in the position or to avoid the sail to unfurl under load.



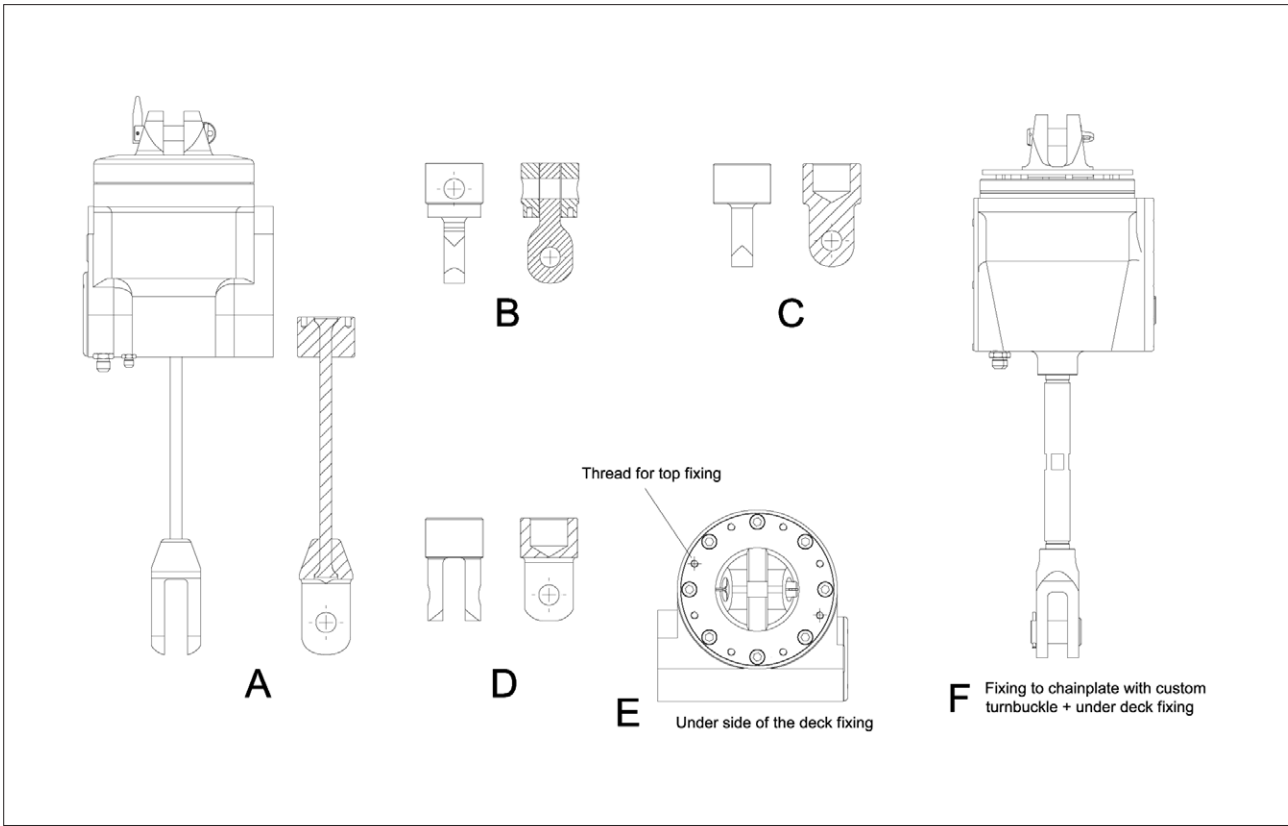
FURLER MAIN DIMENSIONS

The handle seat is on the opposite side for IG16000 and IG23000. No handle seat on IG04500

MODEL	IG 04500		IG 09000		IG 16000		IG 23000		IG 47000	
	mm	in	mm	in	mm	in	mm	in	mm	in
A	18,00	0,71	22,10	0,87	24,00	0,94	30,00	1,18	70,00	2,76
B	16,00	0,63	16,00	0,63	22,00	0,87	28,00	1,10	70,00	2,76
C	25,00	0,98	24,00	0,94	38,70	1,52	50,00	1,97	75,00	2,93
D	129,00	5,08	206,97	8,15	217,81	8,58	257,20	10,13	321,00	12,64
E	183,25	7,21	280,47	11,04	299,50	11,79	269,70	10,62	511,30	20,12
F	170,00	6,69	204,30	8,04	227,30	8,95	303,05	11,93	352,25	13,86
G	170,00	6,69	207,25	8,16	261,57	10,30	331,13	13,04	404,50	15,92
H	110,00	4,33	146,00	5,75	150,00	5,91	240,00	9,45	310,00	12,2
K threads	n° 8 M8		n° 8 M8		n° 8 M8		n° 8 M10		n° 8 M16	
A and B port	9/16" UNF JIC 37°		9/16" UNF JIC 37°		9/16" UNF JIC 37°		9/16" UNF JIC 37°		3/4" UNF JIC 37°	
T port	-		-		7/16" UNF JIC 37°		7/16" UNF JIC 37°		9/16" UNF JIC 37°	



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FIXING WAYS

All fixing systems but "E" and "F" need a box to support the furler weight.
 The box for system "A" must support also torque moment.
 Max angle between furler axis and luff of the sail is 15°.



IG 16000



IG 9000