

INNERFORESTAY

For fast cruiser sailing yachts, we offer a different solution based on standard single acting cylinder which is fully installed under the deck for a flush design.

The system is made up by three main parts:

- A single acting cylinder
- A manual turnbuckle
- An upper guide tube

The hydraulic ram, placed on the lower part of the system, is fixed by a chainplate inside the boat and pull down the stay by the hydraulic power; a gas spring help the system while easing.

The upper tube works as a guide for the piston where the lashing hook is fixed.

To easily match together those two parts, a turnbuckle is placed between the two rods to trim the distance between the hydraulic cylinder and the upper guide.

Both innerforestay models are available in many sizes and strokes to achieve designers requirements.

The lashing hook is supplied with the forestay cylinder and it is made of Dyneema®.



Innerforestay ram with lashing arrangement

MODEL	Max pull load		Stroke		L min (pin to pin)		Weight		Working pressure		Oil vol.
	kg	lb	mm	in	mm	in	kg	lb	bar	psi	litres
PT 055 S 0250	7355	16216	250	9,8	1187	55,15	9,7	21,4	350	5000	0,5
PT 055 S 0400	7355	16216	400	15,7	1502	59,13	12,3	27,1	350	5000	0,8
PT 070 S 0260	11979	26409	260	10,2	1606	46,73	13,8	30,4	350	5000	0,9
PT 070 S 0270	11979	26409	270	10,6	1616	63,62	14,0	30,9	350	5000	0,9
PT 070 S 0300	11979	26409	300	11,8	1646	64,80	14,2	31,3	350	5000	1,0
PT 100 S 0500	25197	55548	500	19,7	2430	95,67	40,4	89,1	350	5000	3,5



Swan 82' design by Frers. With the under deck inner forestay hydraulic tensioners, a full flush and clean design of the bow comes true. On the right, our innerforestay cylinders.