

SAILTEC™

Marine Hydraulic Systems

USA

Hydraulic Integral Adjuster with New Features



SAILTEC was one of the first companies to combine a hydraulic cylinder with a small hydraulic pump, commonly known as an Integral.

For almost 30 years SAILTEC has manufactured and improved the Integral. This proven Integral hydraulic adjuster now features a low profile hydraulic pressure gauge mounted at top of cylinder tube. The top mount location allows easier gauge reading and low profile provides secure and snag-free installation.

SAILTEC has also modified the design of the pump lever and handle on the integral adjuster. This new design provides a more compact dimension to the integral assembly and enhances product appearance with 316 stainless steel handle and new textured all-weather handgrip.

www.sailtec.com

Oshkosh, Wisconsin USA • 920.233.4242

For detailed product specifications and additional information please call, visit our website or email us at info@sailtec.com

HYDRAULIC INTEGRAL ATTRIBUTES

Larger diameter piston rod

Resists side load deflection
Distributes seal contact for longer life

Double Rod Seals Guides

Clean, scrape and seal piston rod for longer, leak free service life

Demand for variety

Sizes from -08 to -30 are produced and stocked in two stroke lengths
250 MM (9.5 - 10.5") specifically to replace older integrals without replacing the backstay
350 MM (13.5" - 14.5")
Custom lengths and strokes are common

Proven Design – available since 1983

We have never attempted cost cuts by reducing rod diameter, installing low quality seals or using inferior finishes.

Finishes

Available in aluminum with black hard coated or clear anodized and T316 Stainless Steel with #4 polish.

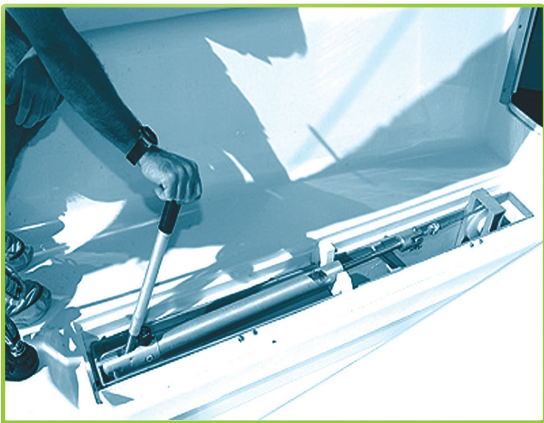
Specialized and Focused

Developing and manufacturing high quality marine hydraulic systems is our soul purpose at SAILTEC.

APPLICATIONS

Hydraulic Integral Backstay Adjuster

<http://www.morrisyachts.com>



Hydraulic Integral Keel Lift Hunter 22 & 216

Photos/diagram courtesy of Hunter Marine

<http://www.huntermarine.com/Models2011/22/22Index2011.html>



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Hydraulic Integral Adjusters



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As boats get bigger and headstays longer, both easy adjustment and accurate backstay tension become increasingly important. The solution to this is hydraulics.

A hydraulically controlled backstay permits quick adjustment of headstay sag and mast bend, which can make boats sail faster, point higher, and make furling and reefing much easier.

The integral hydraulic adjuster should offer simple installation, easy operation, and effective adjustment with an accurate pressure gauge.

Sailtec offers all of this and much more in all of its integral adjusters. Sailtec also offers all of this at a lower cost than any other manufacturer.

The Sailtec Integral Adjuster is the right choice for all sailors with boats from 28' to 75' when only one hydraulic adjuster is desired.

Cylinder: All Sailtec cylinders are aircraft-quality aluminum alloy, precision gun drilled, honed, polished, and anodized to retain their attractive appearance and performance for years of service.

Locking Option: The mechanical device locks the rod in position, allowing release of hydraulic pressure. Also, the threaded rod can be marked for upwind and downwind positions, allowing consistent repeatability, without checking the pressure gauge.

Pressure Relief Valve: The pressure relief valve is one of the more important features on all Sailtec integral adjusters. This feature will not allow over tensioning of the rigging.

Valving: Sailtec uses a cartridge valve to control pressure. The valve is a ball valve and can be replaced in the field. This type of cartridge release valve prevents damage to the pump and is more reliable than other brands.

Gauge: Sailtec gauges feature wide-arc, dual-scale (psi/kg) dial faces for the accurate reading of pressure.

Piston/Piston Rod: Type 316 stainless steel piston rods are larger and stronger than competing hydraulics on the market, an important feature to prevent bending and premature seal wear caused by side loads.

Stroke: Integrals are available in both standard and long stroke.

CYLINDER	MODEL NO.	PISTON ROD SIZE		TENSION		CABLE/WIRE MAX. SIZE		PIN DIAMETER		LENGTH				STROKE	
		INCH	MM	LB	KG	INCH	MM	INCH	MM	CLOSED		OPEN		INCH	MM
-08 Standard	08SI	1/2"	12.7	3250	1477	1/4"	6.4	7/16"	11.1	21.9	555	30.8	781	8.9	226
-08 Long	08LI									26.0	660	38.8	987	12.9	327
-10 Standard	10SI	5/8"	15.9	4750	2152	9/32"	7.0	1/2"	12.7	23.0	584	32.5	824	9.5	241
-10 Long	10LI									27.0	686	40.5	1029	13.5	343
-10 Std Locking	10SLKI									39.0	990	47.5	1206	8.5	216
-10 Long Locking	10LLKI									48.0	1219	60.5	1536	12.5	318
-12 Standard	12SI	3/4"	19.0	6500	2945	5/16"	8.0	5/8"	15.9	24.0	609	34.0	863	10.0	254
-12 Long	12LI									28.0	711	42.0	1068	14.0	356
-12 Std Locking	12SLKI									40.0	1016	49.0	1244	9.0	229
-12 Long Locking	12LLKI									49.0	1244	62.0	1574	13.0	330
-17 Standard	17SI	3/4"	19.0	8750	3963	3/8"	9.6	5/8"	15.9	25.0	635	35.0	890	10.0	254
-17 Long	17LI									29.0	737	43.0	1092	14.0	356
-17 Std Locking	17SLKI									44.0	1178	53.0	1346	9.0	229
-17 Long Locking	17LLKI									53.0	1346	66.0	1676	13.0	330
-22 Standard	22SI	7/8"	22.0	11500	5209	7/16"	11.2	3/4"	19.0	29.0	737	40.0	1016	11.0	279
-22 Long	22LI									33.0	838	49.0	1244	16.0	408
-22 Std Locking	22SLKI									48.0	1219	58.0	1473	10.0	254
-22 Long Locking	22LLKI									57.0	1448	70.7	1795	13.8	319
-30 Standard	30SI	1"	25.4	20600	9332	1/2"	12.7	7/8"	25.4	34.0	864	45.0	1142	11.0	279
-30 Long	30LI									40.0	1016	56.5	1435	16.5	421

Data subject to change.

