

Harken HydroTrim



The Harken HydroTrim is a true push-button sailing system for main and headsail sheeting. It solves the usual problem of winches that tail line into the cockpit—the hidden belowdeck or in-boom purchase contains all line within the system and saves valuable space on deck. HydroTrim cylinders share all the new features of other Harken cylinders and are specially designed for long life and easy servicing.

USES

Hydraulically trim mainsheets and jibs with a HydroTrim or use multiple units in series for larger headsails.

FEATURES

The cylinder is affixed to the hull with a two-piece retaining bracket so you can service the cylinder without unbolting anything from the hull.

The blocks can be removed from the cylinder ends with a single pin so you can service the blocks off site or leave the rigging intact while servicing the cylinder.

Two smaller sheaves are used on the end instead of one large sheave to reduce the overall length of the system and allow installation into smaller spaces.

MATERIALS

Cylinders have bronze-filled Teflon[®] bearings that maintain piston and rod alignment longer than the widely used acetal bearings.

The cylinder's graphite-filled Teflon[®] rod seals and bronze-filled Teflon piston seals are extremely low friction and will last longer than polyurethane seals.

Performance O-rings and slant springs in the nonabsorbent Teflon[®] cylinder seals maintain a consistent and reliable fit over time.

Cylinders, rod, T-Track, and mounting brackets are made with Hardkote-anodized, Teflon[®]-impregnated 6061-T6 aluminum.

All fittings and fasteners are made of stainless steel.

OPTIONS

Choose a 1:4 or 1:6 reverse purchase.

Custom cylinder lengths are available.

MAINTENANCE

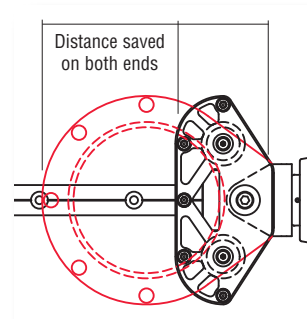
Regularly inspect visible components for material imperfections. All service and repair should be done by a certified hydraulic technician. Replacement seals are available worldwide.

INSTALLATION

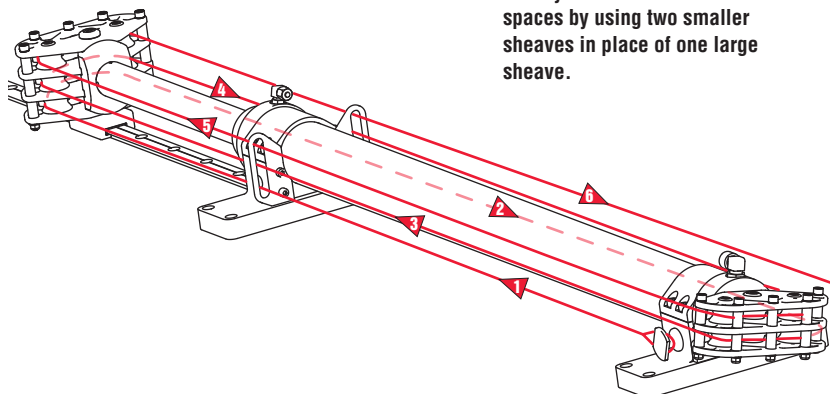
Hydraulic systems require professional installation and calibration.



Blocks remove from the cylinder ends with a single pin for easy service.

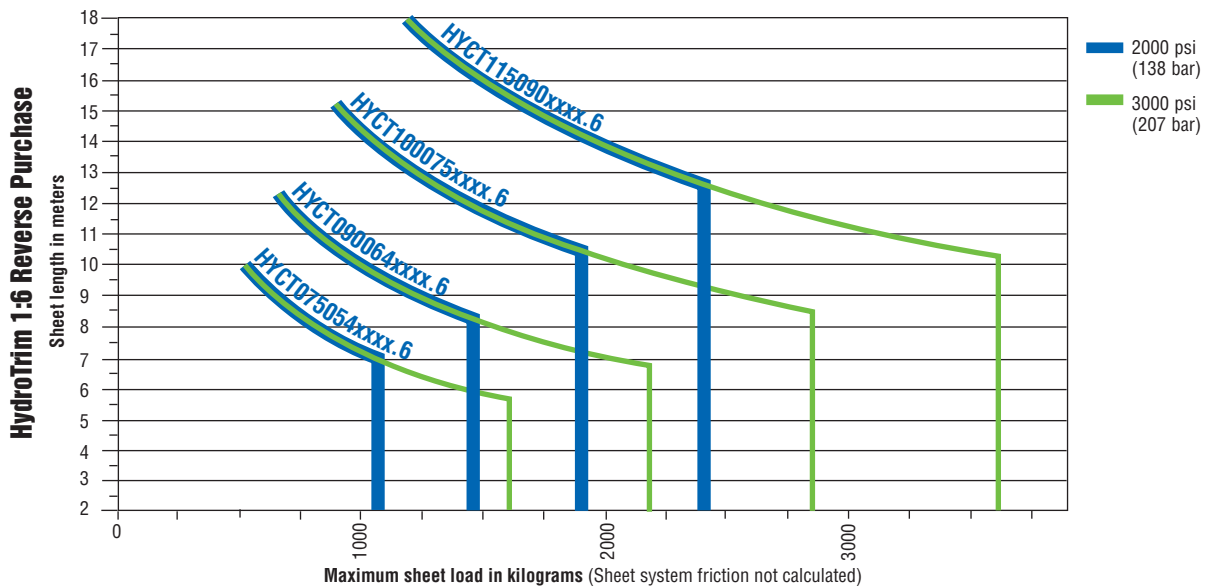
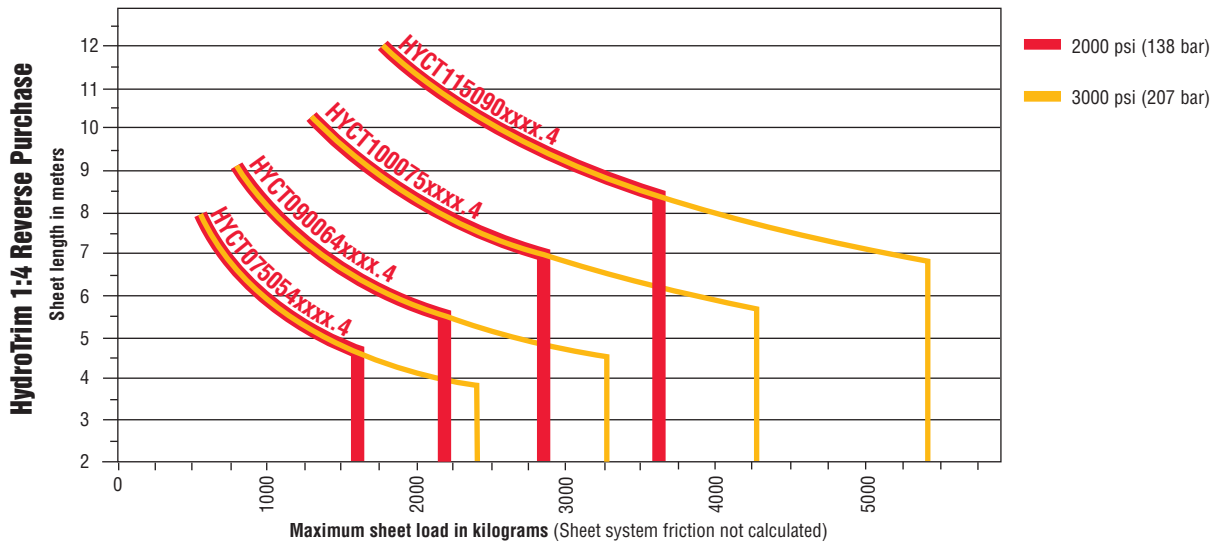


The HydroTrim fits into smaller spaces by using two smaller sheaves in place of one large sheave.



HydroTrim

The loading charts indicate the maximum allowable sheet load for a given sheet length. This maximum allowable load decreases as sheet length increases. Use the loading chart to select your HydroTrim based on maximum sheet load and sheet length.



Part No.	Bore Ø		Rod Ø		Stroke		Max Housing OD		Reverse purchase	Oil volume			
	in	mm	in	mm	in	mm	in	mm		gal	Cap end	L	gal
HYCT0750540060.4	3	75	2 1/8	54	24	600	3.8	97	4	0.72	2.7	0.4	1.4
HYCT0750540060.6	3	75	2 1/8	54	24	600	3.8	97	6	0.72	2.7	0.4	1.4
HYCT0750540120.4	3	75	2 1/8	54	47	1200	3.8	97	4	1.4	5.5	0.7	2.7
HYCT0750540120.6	3	75	2 1/8	54	47	1200	3.8	97	6	1.4	5.5	0.7	2.7
HYCT0900600065.4	3 1/2	90	2 1/2	60	26	650	4.8	116	4	1.1	4.0	0.5	2.0
HYCT0900600065.6	3 1/2	90	2 1/2	60	26	650	4.8	116	6	1.1	4.0	0.5	2.0
HYCT0900600130.4	3 1/2	90	2 1/2	60	51	1300	4.8	116	4	2.1	8.1	1.0	4.0
HYCT0900600130.6	3 1/2	90	2 1/2	60	51	1300	4.8	116	6	2.1	8.1	1.0	4.0
HYCT1000750075.4	4	100	3	75	30	750	5.2	132	4	1.6	6.1	0.7	2.7
HYCT1000750075.6	4	100	3	75	30	750	5.2	132	6	1.6	6.1	0.7	2.7
HYCT1000750150.4	4	100	3	75	59	1500	5.2	132	4	3.2	12.2	1.4	5.3
HYCT1000750150.6	4	100	3	75	59	1500	5.2	132	6	3.2	12.2	1.4	5.3
HYCT1150900090.4	4 1/2	115	3 1/2	90	35	900	5.8	147	4	2.4	9.2	1.0	3.6
HYCT1150900090.6	4 1/2	115	3 1/2	90	35	900	5.8	147	6	2.4	9.2	1.0	3.6
HYCT1150900180.4	4 1/2	115	3 1/2	90	71	1800	5.8	147	4	4.9	18.5	1.9	7.3
HYCT1150900180.6	4 1/2	115	3 1/2	90	71	1800	5.8	147	6	4.9	18.5	1.9	7.3