

HARKEN®

INSTRUCTIONS

1300 SnubbAir and 1301 Handle Adapter

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WARNING! Strictly follow all instructions to avoid an accident, damage to your vessel, personal injury or death.

See www.harken.com/manuals for additional safety information.

Features

Line holding large diameter snubber – can replace winches; greater holding power than ratchet blocks

Low profile and rounded corners – easy on crews aboard a pitching boat

Integral mounting studs – fast mounting, matches hole pattern of B8A winch

Optional winch handle adapter – use conventional winch handle for winch-like operation

Lightweight with open center – weighs less than half the weight of a winch



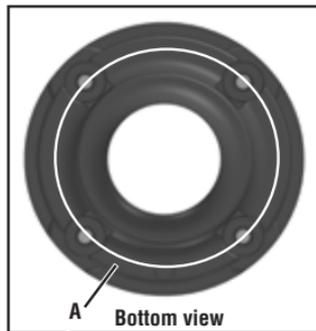
1300 SnubbAir



Optional 1301 winch handle adapter

Specifications and Dimensions

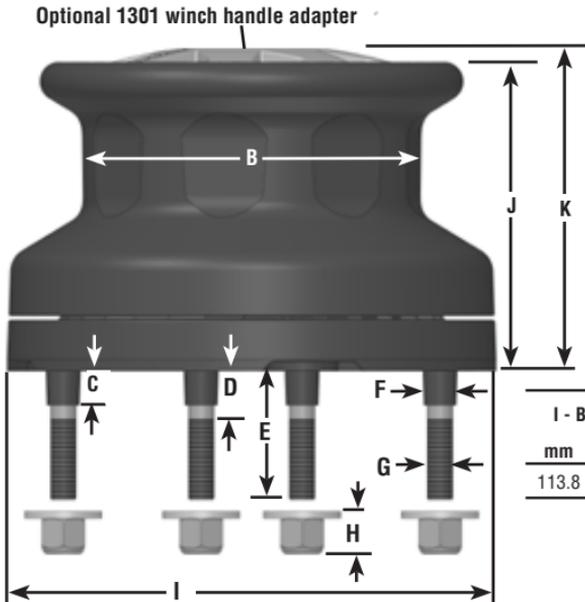
Part No.	Description	Maximum holding load	
		lb	kg
1300	SnubbAir	1000	454
1301	Winch handle adapter	-	-



A - Mounting fastener circle*

mm	in
90.7	3.570

*See mounting template on page 7.



I - Base Ø		J - Drum height		K - Drum height with adapter	
mm	in	mm	in	mm	in
113.8	4.48	68.8	2.707	71.7	2.823

B - Drum Ø		C - Sleeve depth		D - Thread start		E - Stud depth		F - Sleeves Ø		G - Thread size	H - Washer and nut depth	
mm	in	mm	in	mm	in	mm	in	mm	in		mm	in
79.2	3.12	7.6	.300	10.7	.421	28.7	1.129	8	.312	M6X1.0	9.6	.3772

Planning Installation - Deck Strength

Determine if deck is strong enough for mounting the SnubbAir. Make sure all four fasteners are through bolted using washers or backing plates and nuts. Cored decks must have solid inserts such as G-10 plates sized to distribute the load. Tapped holes will not work for installing SnubbAir.



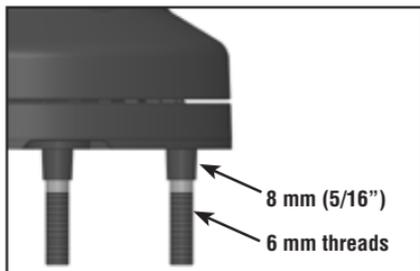
WARNING! You must mount to solid deck construction using specified fasteners in all mounting holes and nuts, washers or backing plates to achieve correct maximum working load to avoid a failure leading to an accident.

Installing SnubbAir

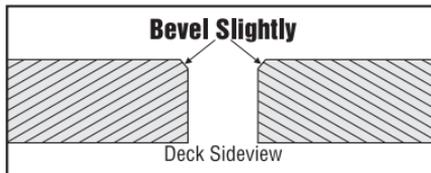
Use the mounting template located on page 7 to mark the deck. **Note:** The studs on the SnubbAir are integral to the base and are not removable. There are sleeves extending below the base and these are a larger diameter than the 6 mm threaded studs. Drill holes for 8 mm bosses. See dimension below.



Drill 8.5 mm or 11/32" holes.



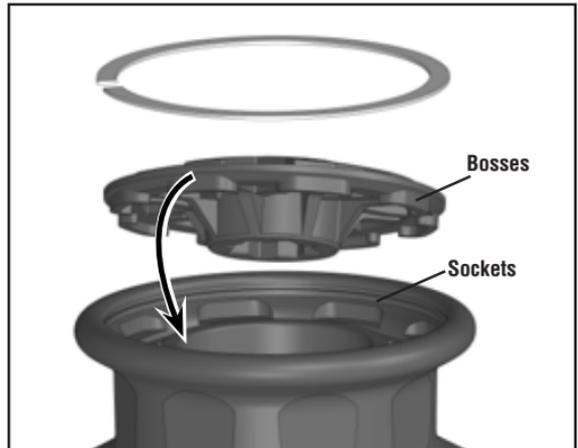
Tip: Put slight bevel at top of hole to allow sealant to mass around upper part of hole.



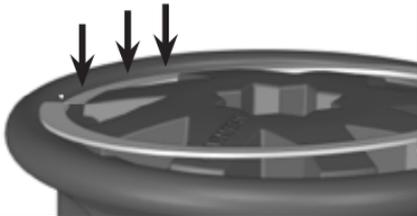
Install SnubbAir using sealant in holes. Use supplied washers and nuts or suitable alternatives.

Installing Winch Handle Adapter

Line up bosses on the underside of the adapter with the sockets inside the top of the drum. Use your fingers to press the retaining ring into the groove. Start at one end and work around the ring until it is completely seated in the groove.



Press ring in place radially
starting at one end



Use

The SnubbAir provides line-holding power much like a ratchet except much more. It is perfect for spinnaker trimming. With a couple wraps of sheet on the drum, the trimmer can hold upwards of 500 lbs with just thirty pounds of holding power on the tail. The sheet easily flips off the drum for a gybe.

Inspection and Maintenance

Periodically inspect SnubbAir and fasteners for wear, corrosion, and loosening. Tighten or replace as necessary.

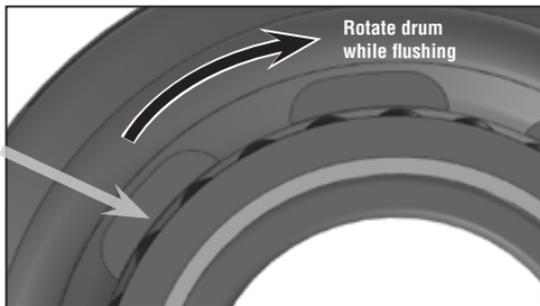
Every time you rinse the deck, flush the bearings and pawls with fresh water as shown on next page. Make a solution of detergent and water and periodically squirt it in the slot between the drum and the center hub. Rotate the drum. Rinse with fresh water while rotating the drum. See next page for illustrations of flushing points.

IMPORTANT! Do not remove drum to service SnubbAir. Balls will be lost.

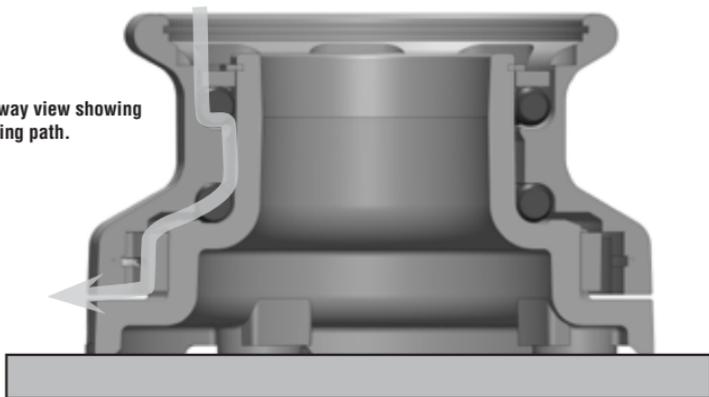
Leave assembled and flush as directed.



Maintenance (continued)



Cutaway view showing
flushing path.



Warranty

For additional safety, maintenance, and warranty information see www.harken.com/manuals or the Harken catalog.

Base \varnothing 113.7 mm - 4.476"
(4 15/32")

Use base diameter dimension (\varnothing)
to check diameter on printed paper.

45°

Drill 8.5 mm or 11/32" holes.

1300 SnubbAir Mounting Template

IMPORTANT! If you print this template from a computer file,
measure to confirm that template is the correct size before
drilling. Use SnubbAir base diameter dimension below to
check diameter on printed paper.

Fastener circle
90.68 mm 3.57"

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Reverse side is mounting template