**1300 SnubbAir and 1301 Handle Adapter**

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

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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](http://www.harken.com/manuals) for additional safety information.
### Specifications and Dimensions

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Description</th>
<th>Maximum holding load</th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1300</td>
<td>SnubbAir</td>
<td>1000 lb, 454 kg</td>
<td></td>
<td></td>
<td></td>
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</tr>
<tr>
<td>1301</td>
<td>Winch handle adapter</td>
<td>- lb, - kg</td>
<td></td>
<td></td>
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Optional 1301 winch handle adapter

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<th>Part No.</th>
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Specifications and Dimensions

<table>
<thead>
<tr>
<th>I - Base Ø</th>
<th>J - Drum height</th>
<th>K - Drum height with adapter</th>
</tr>
</thead>
<tbody>
<tr>
<td>mm</td>
<td>in</td>
<td>mm</td>
</tr>
<tr>
<td>113.8</td>
<td>4.48</td>
<td>68.8</td>
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<tr>
<td>71.7</td>
<td>2.823</td>
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</table>

*See mounting template on page 7.

<table>
<thead>
<tr>
<th>B - Drum Ø</th>
<th>C - Sleeve depth</th>
<th>D - Thread start</th>
<th>E - Stud depth</th>
<th>F - Sleeves Ø</th>
<th>G - Thread size</th>
<th>H - Washer and nut depth</th>
</tr>
</thead>
<tbody>
<tr>
<td>mm</td>
<td>mm</td>
<td>mm</td>
<td>mm</td>
<td>mm</td>
<td>mm</td>
<td>mm</td>
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<td>79.2</td>
<td>3.12</td>
<td>7.6</td>
<td>.300</td>
<td>10.7</td>
<td>.421</td>
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<tr>
<td>8</td>
<td>.312</td>
<td>M6X1.0</td>
<td>9.6</td>
<td>.377</td>
<td>2</td>
<td></td>
</tr>
</tbody>
</table>
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 SnubAir 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.
Cutaway view showing flushing path.

Rotate drum while flushing

Warranty

For additional safety, maintenance, and warranty information see www.harken.com/manuals or the Harken catalog.
Drill 8.5 mm or 11/32” holes.

Base Ø 113.7 mm - 4.476”
(4 15/32”)

Fastener circle
90.68 mm 3.57”

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

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.
This page intentionally left blank. Reverse side is mounting template