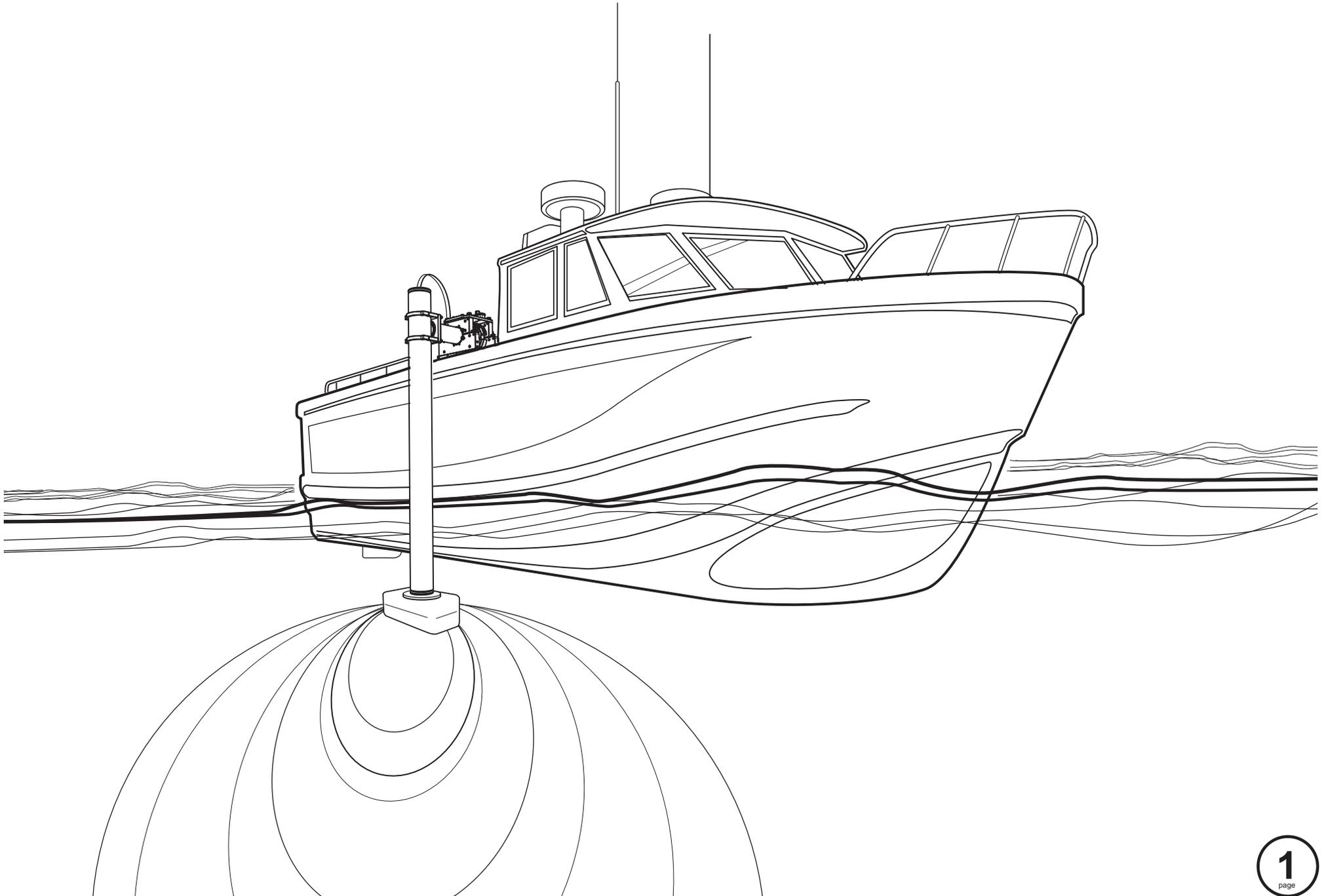




USM COMPACT
Quick-Start Manual

Patent #8094520





USM COMPACT Quick-Start Manual

Patent #8094520

1/2" -13 (x8)



5/16" HEX



30 ft/lbs



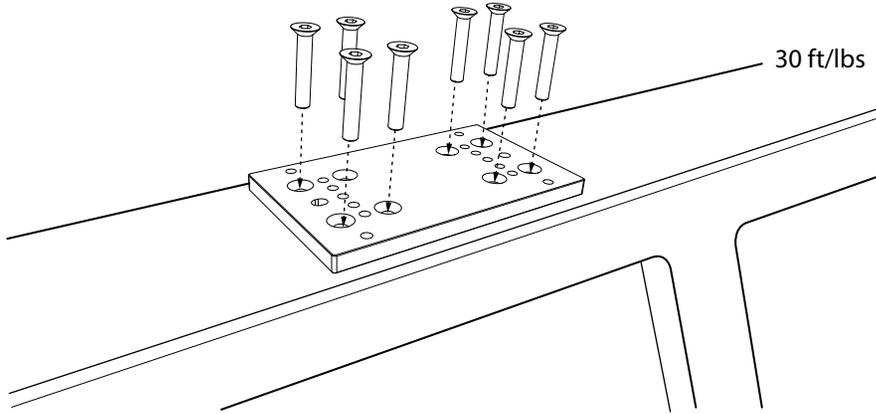
1/2" -13 (x4)



3/4" HEX

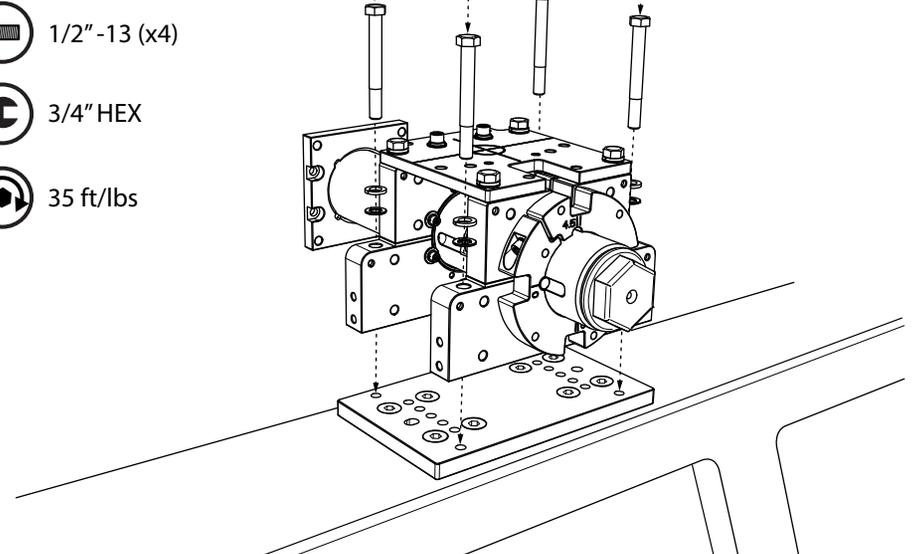


35 ft/lbs



BASE PLATE - Ensure a Base Plate is properly secured to gunnel using one of three methods: 1) Welded down by professional. 2) Bolted down using the 8 flat head bolts. 3) VOO assembly.

1



ATTACH USM TO BASE PLATE - Secure the assembly to base plate using the four long bolts provided.

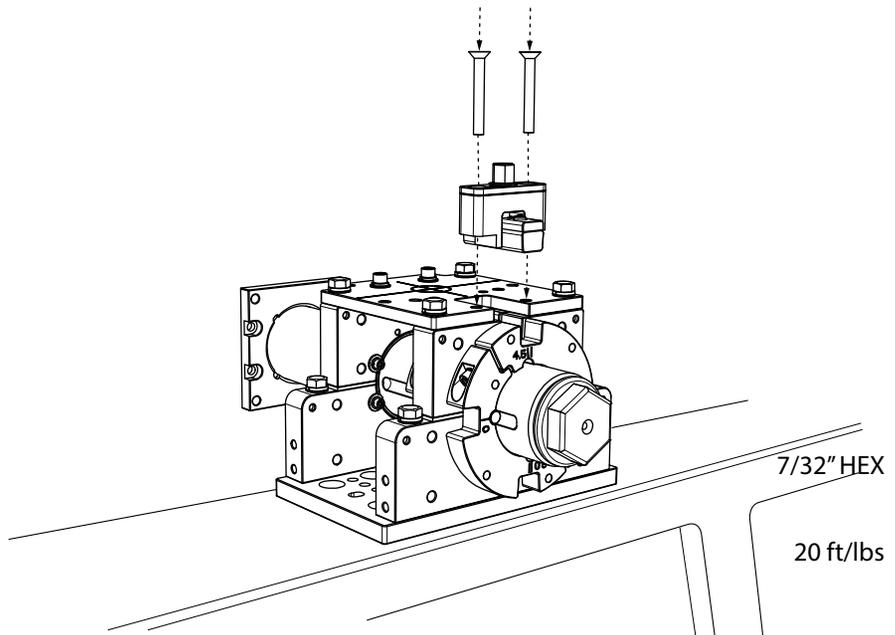
2

ATTACH SHEAR BLOCK - Secure Shear Block Assembly using two flat head bolts provided.

3

ENGAGE SHEAR BLOCK - Using a socket wrench, engage shear block. Tighten until snug.

4



7/32" HEX



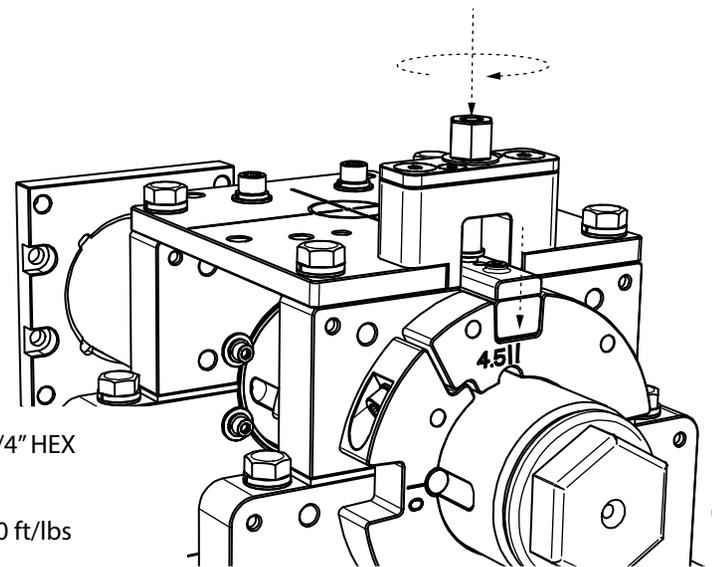
20 ft/lbs



3/4" HEX



20 ft/lbs



2
page



USM COMPACT Quick-Start Manual

Patent #8094520

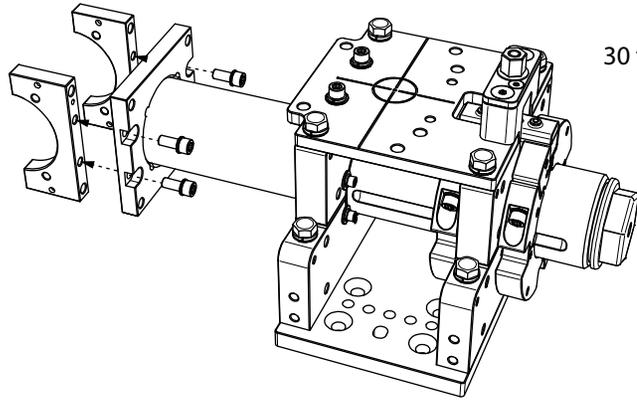
Socket Head Cap
Screw 3/8" -16 (x4)



5/16" HEX



30 ft/lbs



ATTACH Z-POLE CLAMPS - Attach base of Z-pole clamps first, using the four short allen bolts provided.

1

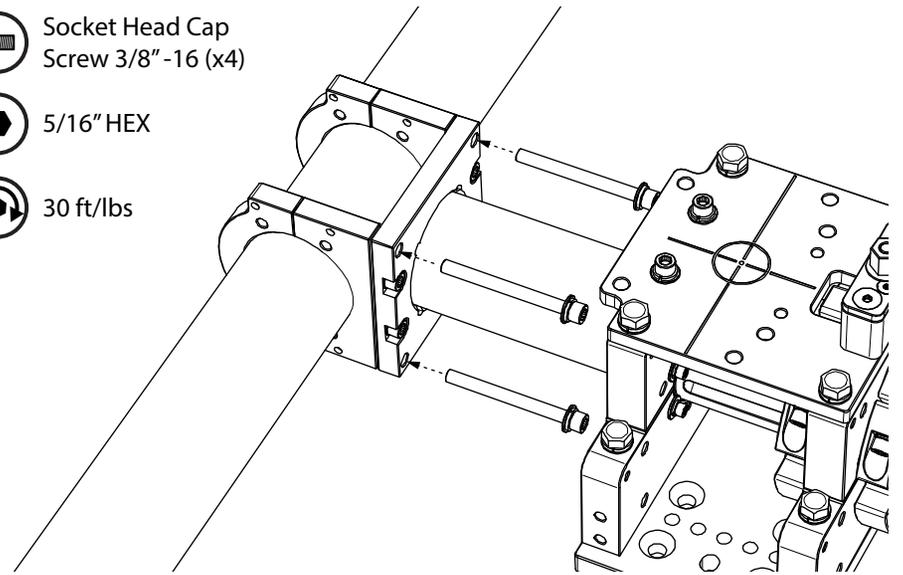
Socket Head Cap
Screw 3/8" -16 (x4)



5/16" HEX



30 ft/lbs

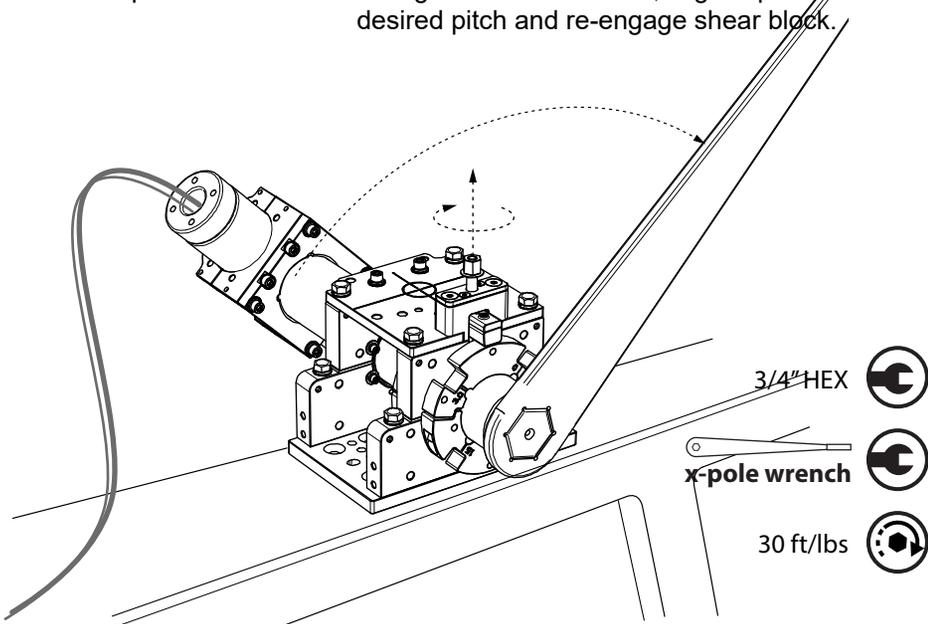


ATTACH Z-POLE - Secure the Z-pole clamps using the four long allen bolts provided. Note the horizontal orientation of Z-pole.

2

DEPLOY SONAR - After securing your sonar to Z-pole (see installation manual for detail), disengage shear block and lower z-pole into the water. Using the X-Pole wrench, align X-pole to desired pitch and re-engage shear block.

3



3/4" HEX



x-pole wrench



30 ft/lbs



4 MAINTENANCE - Ensure that all stainless hardware is always coated with a marine grade anti-seize product like "Never Seez." Always wash and dry the USM after each use. After the unit is dry, apply a silicone spray or a lubricant that does not make plastic swell, like Boeshield T-9.

4

REPLACING BROKEN SHEAR BLOCK - Remove Shear block assembly. Loosen allen bolts until old block releases. Replace shear block.

