



# Towing Pin / Stern Roller Assemblies

*TUG BOATS COME IN ALL SHAPES AND SIZES -  
SO DO OUR TOW PIN / STERN ROLLER ASSEMBLIES*

More than any other of our products, our tow pin / stern roller assemblies are designed specifically for the vessels and operating requirements of our customers. By incorporating standard component parts proven through years of service into a frame designed specifically for your vessel, we are able to configure an economical unit that will provide years of trouble free use. Our deck mounted units will conform with the shape of the bulwarks and also match the sheer of the deck. We also provide units that are installed flush with the deck.

Our engineering and manufacturing experience allows us to provide an array of combinations to meet your requirements: from two to five pins, hold down hooks or hold down caps, hydraulic or pneumatic operation, and integrated stern rollers from 12" to 36" in diameter.

We have worked with several of the leading naval architect and engineering firms and we are confident that we will contribute to the success of your next new construction or conversion project.

The benefits of Smith Berger Tow Pin /Stern Roller Assemblies are clear - all of our units are furnished with the following features:

- Custom engineered to meet your requirements.
- Remote operating controls allow for the increased safety of crew members.
- Tow Pin rollers are manufactured from induction hardened alloy steel and rotate on grease lubricated bronze bearings.
- Tow Pins and Hold Down Hooks are raised and lowered individually by the use of marine grade double acting hydraulic cylinders having stainless steel rods. All hose assemblies are furnished with stainless steel fittings.
- Stern rollers are manufactured from heavy wall steel tubing and are fitted with grease lubricated Nyatron bearings proven to be ideal in seawater environments.
- Dedicated hydraulic power units with operating controls. Pneumatic operation also available.
- Optional Hold Down Hooks retain the wire in heavy seas and are manufactured from heavy duty heat treated steel castings.
- Shot blasted and painted inside and out with a three coat paint system suitable for marine environments.

Please utilize the following data sheets as a guide. In some cases we may have a previously designed unit that will suit your application perfectly. Many times minor revisions can be made to conform to your vessel. Rely on Smith Berger Marine, Inc. to provide the solution for your Tow Pin / Stern Roller application!

***We will custom engineer any of our products to suit YOUR requirements!***

7915 10th Ave. S., Seattle, WA 98108 USA - Tel: 206-764-4650 - Fax: 206-764-4653 - Website: [www.SmithBerger.com](http://www.SmithBerger.com)