

The publication of this catalog marks the latest in Garhauer block design and manufacture. Because every boat is as different as the people who sail them, and every sailor has a different idea of what hardware best meets their needs, Garhauer offers sailboat blocks in 2 different main types of construction: Unibody Standard Blocks and Unibody Ultra Blocks.

What the "Series" designations mean:

<u>SERIES</u>	<u>SERIES 15</u>	<u>SERIES 20</u>	<u>SERIES 25</u>	<u>SERIES 27</u>	<u>SERIES 30</u>	<u>SERIES 40</u>	<u>SERIES 50</u>	<u>SERIES 60</u>	<u>SERIES 70</u>
Maximum line size	5/16"	5/16"	3/8"	3/8"	1/2"	1/2"	5/8"	5/8"	3/4"
Sheave diameter	1"	1-3/4"	2"	2-1/4"	2-1/2"	2-1/2"	3"	3-1/4"	4-1/4"
Safe working load	400 lbs.	600 lbs.	1,150 lbs.	2,000 lbs.	2,400 lbs.	2,800 lbs.	3,000 lbs.	3,500 lbs.	5,000 lbs.

Please note: the recommendations above are for normal usage.

If you plan to use these blocks in exceptionally high load areas, we recommend switching to the next higher series of blocks.

UNIBODY STANDARD BLOCKS: Are one-piece construction and come in 3 finishes to cosmetically match the other blocks on your boat. Unibody design means that the cheeks to support the sheaves along the outer edge, to distribute the total load more evenly across a larger surface. The absence of fasteners results in superior corrosion resistance. Available in your choice of 3 finishes to match existing hardware on your boat:

"US" are blocks with a polished stainless steel surface.

"USHL" are blocks with a polished stainless steel surface, specially built to withstand high load conditions. The working loads of these blocks are displayed on the pages they appear.

"USE" are blocks with a polished stainless steel surface, built for light load conditions. The working loads of these blocks are displayed on the pages they appear.

"UAB" are blocks anodized with a black aluminum surface.

"UABE" are blocks with a black aluminum surface, built for light load conditions. The working loads of these blocks are displayed on the pages they appear.

"UAG" are blocks anodized with a grey aluminum surface.

"UAGE" are blocks with a grey aluminum surface, built for light load conditions. The working loads of these blocks are displayed on the pages they appear.

UNIBODY ULTRA BLOCKS: Using the most advanced materials and production techniques, Garhauer has come up with what we believe to be the greatest value in a lightweight, ultra high strength, corrosion-resistant block.

Designated **"UB"**, Garhauer Unibody Ultra Blocks are precision milled from a solid block of premium 6061 T-6 aluminum for high strength to weight ratio. All mating surfaces are constructed with non-conductive Delrin, the longest wear engineering grade plastic. Torlon ball bearings for durable, effortless rotation. The absence of fasteners results in superior corrosion resistance.

Garhauer Marine was founded in 1970 by two machinist friends who shared a common passion for sailing. Guido Gargiulo and Bill Felgenhauer set up shop in the foothills of the San Bernardino mountains in Southern California. Besides being talented designers, they showed an understanding of sound business decisions when they negotiated a flexible rent on their first shop that was 15 percent of each month's gross income. As income increased, so did the number of products and need for shop space, eventually expanding to the 12,000 square feet occupied today. Garhauer has a total of five buildings, all adjoining the original shop in the same industrial park in Upland, CA

Well positioned geographically, in what was in the 1970s the center of the burgeoning Southern California fiberglass sailboat industry, Garhauer soon became a respected supplier of marine hardware. Sailboats made by Cal, Oday, Pearson, Islander and Catalina, all included marine hardware built by Garhauer.

Family owned and operated, Garhauer is first and foremost a sailors' company. Both founders and three generations of their families come to work each morning. Among them are no less than four sailboat owners, whose vessels offer unique real world "test labs". This real world experience is clearly the best way for Garhauer to prove and improve new designs before offering them in this catalog. The constant obsession with innovation and improvement of the product has been the backbone for growth since day one.

Always innovative in terms of design in marine hardware, Garhauer was not immune to the pricing pressures of domestic manufacturers. Seeking to get a handle on labor costs and reduce dependence on outside vendors, Garhauer invested in the huge productivity gains made possible by computers in general, and computer aided manufacture in particular. 1998 saw the installation of the first automated CNC mill and lathe manufacturing unit, capable of producing complex parts 24/7. These machines now number six and have eliminated traditionally labor intensive operations such as dies and punch press. 2005 saw the installation of Bill's "dream machine", the room-sized laser metal cutter. This marvel will cut 5 by 10 foot sheets of aluminum or stainless steel up to 1/4 inch thick with digital accuracy and smooth the edge in one amazingly fast operation.

The robotic machines not only produce absolutely consistent high quality parts for the customer, but also they have greatly aided the design process. What once took a skilled machinist 2 days to prototype, can now largely be completed in 2 hours. All this results in better new designs in the customers hands sooner than ever before.

By functioning in a supplier capacity to larger companies, Garhauer learned the lessons of maintaining low overhead and containment of production costs in order to deliver parts with a competitive cost advantage. Most of the hardware available to all customers was developed and produced using stringent price considerations. All this leads to the same advantage built into every Garhauer part sold to every customer: **Value.**

Dollar for dollar, absolutely the best marine hardware you can buy anywhere.