

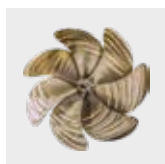
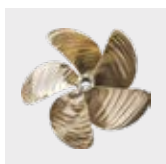
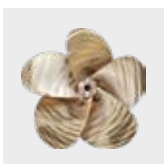
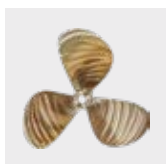
SARASWATHI METAL WORKS



WELCOME TO SMW, THE BRAND BEHIND REAL PROPULSION. WITH MORE THAN SIX DECADES OF EXPERTISE, SARASWATHI METAL WORKS (SMW) STILL CONTINUES AS ONE OF THE WORLD'S LEADING MANUFACTURERS OF MARINE PROPELLERS, STERN GEAR ASSEMBLIES AND OTHER CORE MARINE GADGETRIES.

The heritage since 1956 - reinforces the allegiance of delivering high-quality products which is absolutely fault tolerant and hassle-free. SMW is an I.S.O 9001:2015 certified company. SMW caters to custom designed, high-end Propulsion Systems and Stern Gear equipment for the global marine industry which is suitable for all contemporary marine engines. Well applied modern technologies and expertise enable SMW to offer cost-effective tailored products; meeting the needs and aspirations of customers. To the ever-changing demands on vessel performance, our vision is continual innovation and product development with outstanding and uncompromised quality. SMW has combined decades of experience with modern technology and engineering prowess to evolve as the finest Propeller and Stern Gear assemblers for all marine engines prevailing in the field. The perfection that SMW provides to craft is unlike any in the industry and thus, delivers the finest quality products which are second to none!





PROPELLERS

SMW PRODUCES THE MOST COMPREHENSIVE RANGE OF PROPELLERS BY USING HIGHLY SOPHISTICATED TECHNOLOGIES AND OFFER MORE COMMERCIAL VIABILITY WHEN COMPARED TO OTHER INDUSTRIES.

The finished SMW products say it all; the precision and perfection are well evident in the Propellers that are delivered. Our Propeller ranges in various dimensions from 18 inches to 90 inches in diameter having 2, 3, 4, 5, 6 & 7 blades, best crafted for the marine needs. Materials used are Nibral, Manganese Bronze, Aluminium Bronze & Stainless steel which meets international standards ISO 484/2 and which have been cleared with the stringent approval of maritime industry by standard classification societies such as IRS, LRS, ABS, and BV.



STERN GEAR

THE STERN GEAR EQUIPMENT IS AVAILABLE FOR SHAFTS RANGING FROM 35MM TO 200MM IN DIAMETER AND LENGTH OF 10 METERS.

Our custom and standard products include Stern tubes [M.S, BRONZE, FRP & ALUMINIUM], Tail shafts, Intermediate Shafts, Shaft half Couplings, Flexible Couplings, Shaft Glands, Rudders, Anchors, Cutlass Rubber Bushes & Zinc Anode.



SHAFT

PROPELLER SHAFTS ARE BUILT TO ISO STANDARDS FOR BOTH THE RECREATIONAL AND COMMERCIAL VESSELS.

Shafts are manufactured from certified raw materials with high dimensional tolerances and surface finish by using CNC machines. The material used is AISI 304, 316, 316L & Duplex Steel graded S.S of various diameter and larger length up to 10 Meters. Also in order to achieve high fatigue strength toughness and high resistance to sea water corrosion. End tapers on the Shaft are machined to achieve maximum contact of bedding surfaces.



BEARINGS

BEARINGS ARE THE INTEGRAL PART OF THE STERN GEAR SYSTEM WHICH IS SPECIALLY DESIGNED FOR THE MARINE APPLICATION.

The bearings are specially made of tough NITRILE RUBBER OR NEOPRENE RUBBER, which are resistant to corrosion and which can withstand abrasion. Rubber and water make the perfect combination for a bearing material and a lubricant. Bearings are further classified into Flange & Flangeless Bearings. Bearings are manufactured to a size of 25mm up to 250mm in diameter & 1000 mm length.



BRACKETS

SMW MANUFACTURES 'P' AND 'A' TYPE BRACKETS, WHICH ARE MADE OF HIGH-QUALITY MANGANESE OR ALUMINUM BRONZE AND STEEL FITTED WITH WATER LUBRICATED CUTLASS BEARINGS.

The 'P' brackets are used to support the shaft system along with the Propeller. The cross-section of the 'P' bracket is of hydrofoil section, which gives the least resistance to the flow of water & thus helps to improve the efficiency of the boat. The scope of supply includes a base bracket, water lubricated bush & the set of screws. They are manufactured as per design of the naval architect or as per the drawing & specifications of the customers.



RUDDER

THE RUDDERS ARE THE VITAL PART OF ANY BOAT SINCE THE DIRECTION CONTROL IS DONE BY THE RUDDER SYSTEM . THEY ARE MAINLY CLASSIFIED AS A STEEL FABRICATED RUDDER AND CAST RUDDER IN BRONZE.

The Fabricated Rudders are manufactured according to the boat builders requirements and standards. These are manufactured with high-quality mild steel, stainless steel material like S.S 304 or S.S 316 which consists of Shafts & Blade. The cast rudders are mainly used for high-speed crafts. They are specially made of Nickel Aluminium Bronze, Manganese Bronze & Aluminium Bronze.





SOLE DISTRIBUTOR FOR MARINE
GEARBOXES IN INDIA



GOOD COMPANY,
BEST PARTNER

MEE WOO MARINE TRANSMISSION is going approach farther to customer with developing more powerful and perfect new products correspondent to large output and speed up of a ship through the improvement in the quality of our products and original innovation of technology based on our time honored tradition and the wisdom of experience.



SOLE DISTRIBUTOR FOR HYDRAULIC MANUAL STEERING FOR IN BOARD AND HYDRAULIC POWER STEERING FOR INBOARD IN INDIA



SEAFIRST manufactures products while having the priority goal of designing safe hydraulic steering system for a journey of customers.

We put our effort to make the best quality of hydraulic steering in the world. We handle all the different hydraulic steering that can be applied to the engines Such as outboard engine, inboard engine, and stern drive engine of vessels.



SOLE DISTRIBUTOR FOR PYI INC.
PRODUCTS AND PSS SHAFT
SEAL IN INDIA.



The PSS Shaft Seal is the #1 selling marine mechanical seal worldwide and is installed as standard equipment by many of the world's most reputable boat builders and boat yards. The PSS Shaft Seal is also recognized as the premiere retrofit (aftermarket) seal on the world market. Boat builders and boat yards recognize the advantages and value of installing the PSS as it eliminates the maintenance, constant adjustment and cost associated with traditional packing type glands. Aside from these benefits, the PSS Shaft Seal helps to eliminate water in the bilge (100% water tight) and wear to the propeller shaft. The PSS Shaft Seal can be easily retrofitted and is available for shafts ranging from 3/4" to 6" (20mm to 150mm).



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