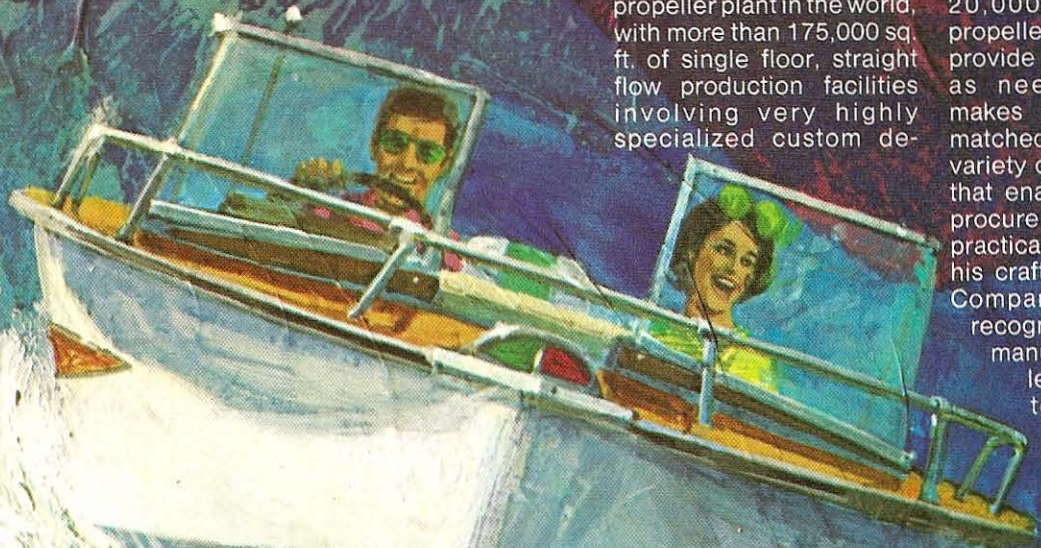




MICHIGAN PROPELLERS
'70 OUTBOARD CATALOG

Born in 1903 and for 66 years dedicated to maintaining the highest standards of quality and production of the finest propellers money can buy. The largest, most modern propeller plant in the world, with more than 175,000 sq. ft. of single floor, straight flow production facilities involving very highly specialized custom de-

signed and custom built production equipment and over 2½ miles of shelving, to accommodate stock of more than 75,000 finished propellers. Michigan has facilities for 10,000 to 20,000 semi-finished propellers... so that we can provide prompt shipment as needed. Michigan makes propellers of unmatched performance in a variety of styles and types that enable a boatman to procure a wheel that is practically custom built for his craft. Michigan Wheel Company is universally recognized as the leading manufacturer of propellers in diameters up to and including 96 inches.



Features

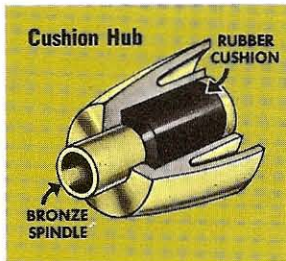
You leave nothing to chance when you buy Michigan. Every design and every feature of these quality wheels is proven in actual use before it is offered to boat owners. Michigan Wheel Company maintains its own waterway testing laboratory on the Grand River, near the factory. Here, throughout the open water season, experienced engineers run thousands of miles of tests to prove every new propeller and new prop feature. They match each and every model of outboard motor with the propeller which gives it maximum efficiency in all phases of operation...including variations of boat type and size, load or purpose. The success of the Prop-Rider, cupped wheel designs and other Michigan innovations, are results of this exceptional testing and quality control procedure.

WARRANTY

Michigan propellers are warranted against factory defect for one year after date of purchase. Warranty covers defect in material or workmanship. The warranty is void on propellers altered or those having been repaired.

A propeller subject to warranty will be replaced at "no charge" to the customer on return of the defective propeller prepaid to the factory. This guarantee shall be effective only provided the registration certificate attached is properly filled out and returned to Michigan Wheel Company, 1501 Buchanan, Grand Rapids, Mich. 49502, within 10 days from date of purchase.

With your new Michigan Prop, you will receive a "warranty card"...return it and register your wheel for a full year's protection against defects in material or workmanship. Such defects are extremely rare...but should you find one, your wheel will be replaced free. This is proof of Michigan's consistent high quality...your assurance of value when you insist on a Michigan Propeller.



An important protection feature on propellers used with most gear shift motors. In shifting, with most modern motors, gears are subject to shock...as a result most engine makers provide propellers with built-in shock absorbing cushions in the hub, to prevent breakage. In designing replacement props, Michigan works closely with these manufacturers to match, and often excel, original equipment, providing the strongest, unbreakable cushion hubs in the industry.

For super strength and ready repairability, all Michigan wheels are cast of superior virgin alloys formulated by our renowned metallurgists.

Michigan HI-STRENGTH ALUMINUM is an exclusive Michigan alloy. Tensile strength: 40,000 lbs. P.S.I.; yield strength: 20,000 lbs. P.S.I.; elongation 9%, salt water resistant. Far superior...the only aluminum that gives satisfaction under the severe service conditions of large, hi-powered motors. You can see why when you compare the magnified cross-sectional photos of



Metals

a typical die-cast propeller and Michigan's sand-cast aluminum prop alloy. Far greater density of the Michigan metal is proof of its superior strength.

MICHALLOY-K BRONZE is so strong that propellers of this metal are guaranteed for life against blade breakage at the hub. Tensile strength: 72,000 lbs. P.S.I. minimum; yield: 35,000 lbs. P.S.I. minimum; elongation: 27%. Over 1 million bronze outboard propellers for gear shift motors sold in recent years. Distinct advantage of great initial impact strength keeps damage to a minimum...a safety factor.

No aluminum alloy is used in the marine field having physical properties equal to Michalum — though it cannot have properties equalling Michalloy-K Bronze.



Michigan's exclusive machined-pitch process assures absolute, unprecedented accuracy in propeller construction. Marine architects, boat builders and owners recognize that perhaps the most important factor in top propeller performance, besides design, is ACCURACY. Michigan engineers long ago realized that, to produce the finest propellers, it was essential to eliminate all human variables and substitute unerring machine accuracy. After extensive research, Michigan Wheel developed the helical planer, shown above, which carves the original wood patterns of all Michigan propellers, and machines each of the permanent metal patterns with pinpoint accuracy, a critical initial step in the production of absolutely accurate propellers.



1. What prop should I use with my boat and motor? First determine how the boat will be used, or what the normal load will be. If this boat usually operates with one specific passenger load, propeller size selection is relatively easy. If it has multiple uses ranging from light to heavy loads, the selection of one or two propellers for best results may be necessary.

2. Why change propellers? Stock propellers furnished with most outboards are a compromise. Since they have a fixed diameter and pitch, they are limited in use and do not provide satisfactory performance under all the variations of hulls and loads. Note: the propeller not only moves the boat but it also regulates engine RPM, and horsepower is directly related to RPM. The engine has a horsepower rating, but in most instances the full benefit of the horsepower is never realized. Equal emphasis should be placed on the RPM at which the horsepower is attained. This is where the propeller comes into the picture. Outboards are designed to be run at peak RPM for full efficiency. Excessive RPM with increased friction and wear is harmful. It is equally as bad to run the engine so overloaded that it cannot achieve its rated RPM. This results in excessive carbon buildup in the cylinders, poor fuel economy, pre-ignition, frequent spark plug failure, scoring of cylinder walls and burned pistons.

3. What are diameter and pitch? These are the two common propeller measurements. If a propeller is specified as 10 x 12 size, this indicates it is 10" diameter by 12" pitch. Dimensions are always given in this order. Diameter is determined by doubling the distance between blade tip and center of hub. Pitch refers to blade angle. In this example the 12" pitch indicates that with each prop revolution the boat theoretically would advance 12". Due to slip loss, actual advance is somewhat less.

4. Why do outboard motors of the same power sometimes take different prop sizes? This is due to differences in lower unit gear ratios. Stock outboards are geared so that the propeller shaft turns at a slower speed than the RPM at the powerhead. This is usually expressed as a ratio such as 12:21 or 14:28, referring to the number of teeth in the drive gears. In the first example, the crankshaft gear has 12 and the propeller shaft gear has 21. This means the propeller shaft turns only 57% as fast as the indicated RPM at the powerhead.

The lower the gear ratio the larger the propeller that can be used and vice versa.

In other instances, engines of different makes may develop their horsepower at different RPM levels. Everything else being nearly equal, higher RPM engines require smaller props to achieve greater RPM.

5. Can a prop change help me in water skiing? Yes, in most cases. Original equipment propellers are pitched a little on the high side. Not knowing the boat the engine will be used with the manufacturer pitches the prop a little high so the engine does not exceed top RPM if placed on a light boat. However, on a heavier boat, or with water skiers, this propeller tends to overload the engine, resulting in poor speed, poor acceleration and sluggish performance, making it difficult to get a skier up. This is corrected with a lower pitched prop.

6. What is the correct transom height for my outboard engine? On average boats it is best to mount the engine so the cavitation plate is approximately 1" below the bottom of the keel, or 1" below the bottom of boats without keel. For racing boats, better speeds can be attained by raising the engine to reduce lower unit drag and exhaust back pressure. Best transom height can only be determined by experimenting...get the engine as high as possible, or to the point just before propeller cavitates excessively.

7. What is the best tilt-setting or shaft angle? Proper tilt is extremely important, and is determined only through experimenting. In any boat the tilt-setting can change as the load changes. Tilt adjustment determines the planing angle and if improperly set the speed loss can be substantial or the boat may not plane at all. Tilting the engine in towards the transom pulls the bow down. Tilting it away from the transom pulls the bow up. Vary the angle to find the point where the boat assumes the best planing position.

8. Will a different prop correct bad torque action (listing and hard steering)? Usually not. Most likely it is the result of any of several irregularities in the hull, the steering hookup or the engine mounting. Steering wheel must be properly located relative to propeller rotation. If an engine has a right hand rotating propeller, steering wheel should be on the right or starboard side. This side normally would tend to lift as the result of torque action and the driver's weight offsets it. Modern outboards have built-in features in the lower units to compensate for torque.

Engine tilt should be such that the prop is horizontal when underway. If it is up or down the propeller can have a definite pull to one side. See that engine is at exact center of the transom and is setting level. Steering linkage should have enough adequate sized pulleys, properly swiveled and with the right cable tension. Check boat bottom for warping, distortion, which could cause difficulty.

9. Will a bronze prop hurt my motor? No. Bronze is an ideal propeller material having numerous advantages over aluminum or die-cast material. Bronze is strong, ductile, repairable, corrosion resistant and in normal service will last the life of the motor.

Frequently you may hear that a bronze prop wears out the shifting mechanism. Shift mechanism wear and failure is not due to the type of propeller used. Most frequent lower unit failure is in the shifter dog which results from improper shifting procedure by the boat operator. Many attempt to ease an outboard into gear thinking that this is easier on the mechanism. The opposite is true. Shifter lever should be snapped into gear with some force...the only way the shifter dog will mesh completely with forward or reverse gear.

10. Is it advisable to have outboard props repaired? Depends on the material. Those made of bronze or sand-cast aluminum are repairable at about 1/3 to 1/2 the new propeller price. Die-cast propellers generally are not repairable. The material is very brittle, breaks off easily in the straightening process and will not weld satisfactorily. (Original equipment propellers are usually made of die-cast.) It is advisable to discard such propellers and replace with the more durable sand-cast aluminum or bronze.



New DQ propellers

Due to popular demand, Michigan Wheel Company introduces a new line of 4-blade propellers for outboards in the well known inboard "Dyna-Quad" style.

The "DQ" is especially suited to heavy load boats, with engines of 55 hp or over and provides faster acceleration, greater maneuverability, reduced vibration and possibility of damage due to closer blade proximity. These advantages should be of particular value in applications to houseboats and large outboards where good load carrying performance is necessary.

The new 4-blade "DQ" is available in a broad range of sizes, some in the well known Prop-Rider line, cast of easily repaired hi-strength Aluminum.



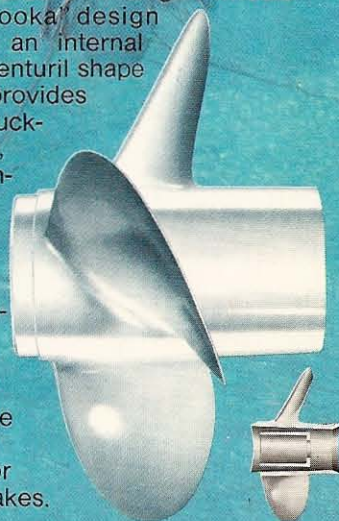
Prop-rider propellers

Revolutionary in design, unbeatable in performance...offers 2 to 3 mph speed increases, and better performance than any conventional props, on planing boats. Lightweight boats experience even more dramatic results. This previously unattainable efficiency results from a special pitch generation in which the center of pitch does not coincide with the center of rotation, producing a concave blade section. And, because of this styling, Prop-Riders can be run higher on the transom, with tilt-pin set up one notch...to reduce drag and add to maneuverability...with reduced cavitation. Prop-Riders are available in a wide range of sizes for a broad selection of engines...furnished in either of Michigan's durable, repairable alloys... Michalloy-K Bronze or hi-strength aluminum.



Bazooka hub propellers

A great innovation in "flow-thru" exhaust hub design, which can effect speed increases over other exhaust hub propellers. No flaring or flange along the hub diameter...nothing to cause drag, reduce speed. Streamlining can mean a speed increase of 1/2 to 3/4 mph as a result of design alone...2 to 3 mph increases over original equipment wheels are not uncommon, as a result of the combination of this hub design with other features of Michigan wheels. The "Bazooka" design secret is an internal flare, or venturil shape...which provides exhaust sucking action, without impairing the flow of water over the hub. Available in Michigan aluminum and bronze alloys, for most major engine makes.



Cupped propellers

Made for light, fast hulls and undoubtedly the fastest wheels you'll ever find. Cupped design increases speed on fast bottom boats, eliminates vibration and cavitation, and provides quicker acceleration and pick-up. Cupping consists of slight and critically accurate turning of trailing edge of blades...increases jet stream volume and reduces slippage or cavitation. Cupped props can be run on transoms 1" to 3" higher...which makes for greater speed by reducing drag. Any propeller listed in this catalog can be ordered with cupped blade edges — \$4.50 net either bronze or aluminum through 14" diameter. 14¼" and larger — \$6.50.

WHY DO THEY WORK?

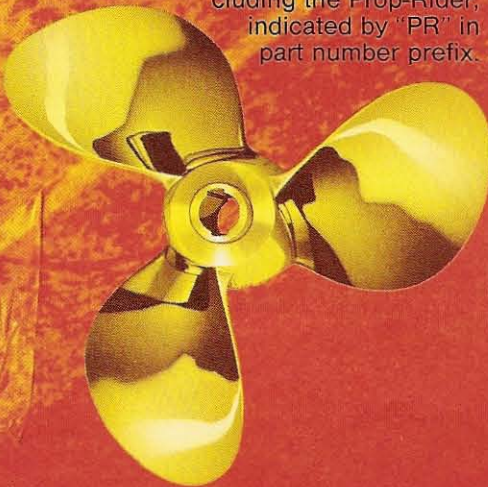
The slight cupping of the trailing blade edge causes three changes in operating characteristics: 1. A cavitation suppression effect is achieved. 2. Less water slips over the blade edge, resulting in greater efficiency. 3. As illustrated, the slip stream increases to a larger cone. Movement



of the larger mass times velocity results in greater thrust and speed. Because of this more effective propeller action, it is suggested that when using cupped feature the pitch be reduced 1 inch. Diameters 13" and smaller. Larger sizes reduce pitch 2" to maintain same r.p.m.

Bronze propellers

No other wheels can offer the strength and repairability of Michigan Bronze Props. Polished to mirror brightness for maximum performance...normally two-plus mph over die-cast props. Features: machined-pitch construction; cushioned hubs where recommended for gearshift motors; Michigan's guarantee that, when used as recommended, no damage to shift mechanism can occur; Michigan's guarantee against blade breakage at the hub, for the life of the prop; Michalloy-K Bronze construction. Virtually all Michigan designs are available in Bronze including the Prop-Rider, indicated by "PR" in part number prefix.



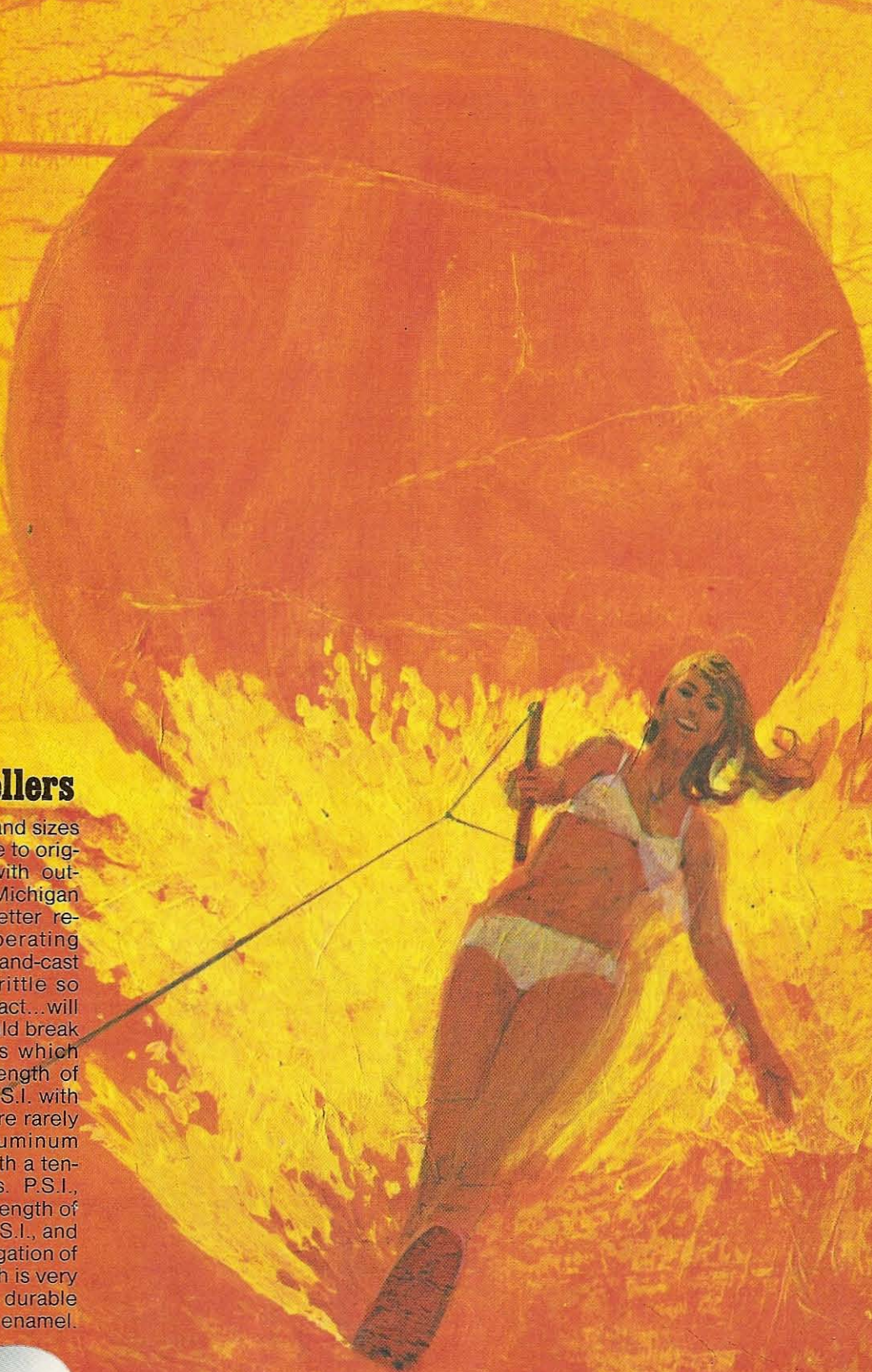
Economy propellers

From this broad line of propellers you can select a direct replacement for your original equipment die-cast wheel...at comparable cost, but with outstanding Michigan features such as greater strength and better repairability. Economy wheels are sand-cast aluminum, which is not brittle, as proven by the fact that the blades will bend under impact...this is not true of ordinary pot metal wheels which frequently have a tensile strength of not more than 22,000 lbs. P.S.I. with ½% elongation, and which, as a result, sometimes throw blades, and are rarely repairable. Michigan Economy Props are made of an aluminum alloy with a tensile strength of 40,000 lbs. P.S.I., yield strength of 20,000 lbs., P.S.I. and elongation of 9%. These wheels are painted white with a very hard enamel finish and feature Michigan's super-strong Cushion hubs where required.



Aluminum propellers

A very wide range of styles and sizes in props at costs comparable to original die-cast wheels, but with outstanding features that only Michigan offers. Greater strength. Better repairability. Remarkable operating characteristics. Made of sand-cast aluminum, which is not brittle so blades will bend under impact...will not give in to strain that would break ordinary pot metal wheels which commonly have tensile strength of not more than 22,000 lbs. P.S.I. with ½% elongation, and which are rarely repairable. Michigan Aluminum Props are cast of an alloy with a tensile strength of 40,000 lbs. P.S.I., yield strength of 20,000 lbs. P.S.I., and elongation of 9%. Finish is very hard, durable white enamel.



Selector and price list

is arranged so that you can instantly see all models recommended for your particular installation. First, locate your make of motor, arranged in the first column, alphabetically...locate the model below this, and the year in the second column. In the third column you will find descriptions of boat size, style and use...select description most nearly fitting your situation. Opposite this, in the remaining columns, you will see the recommended wheels in Bronze and Aluminum along with their prices.

EVINRUDE-JOHNSON-GALE—PAINTED ALUMINUM

MOTOR & MODEL	YEAR	BOAT SIZE AND RECOMMENDATION	OMC PART NO.	PART NO.	BLADES	DIA. & PITCH	PRICE
3-4 HP—Anglematic	55-69	Standard Replacement	203919	PJ3	3	6½x 4½	\$5.50
3-4 HP—Right Angle	64-69	Standard Replacement	310208 312286	PJ5 PJ6	3 3	8 x 4½ 8 x 5½	5.50 5.50
5 HP	65-68	12'-14' Boats—Light Loads	380104	PJ7	3	8 x 7½	7.00
5½-6 HP	56-65	12'-14' Boats—Light Loads	376968	PJ300	2	8 x 7¼	5.50
6 HP	66-69	12'-14' Boats—Light Loads	380958	PJ8	2	8 x 7¼	8.00
9½-10 HP	56-69	14'-16' Boats—All Loads 12'-14' Boats—Light Loads	383315 377635	PJ11 PJ10	3 3	8½x 8 8½x 8½	10.00 9.50
10 HP	50-57	12'-14' Boats—Light Loads	377083	PJ9	3	9 x 8	11.00
14-15-18-20 HP Also 25 HP-1969	50-68	12'-14' Boats—Heavy Loads 12'-14' Boats—Heavy Loads 14'-16' Boats—Heavy Loads 12'-14' Boats—Light Loads	383629 381801 379717 377636	PJ16 PJ17 PJ19 PJ18	3 3 3 3	9 x10 9 x10½ 9 x 9 9½x11	12.00 12.00 12.00 12.00
22-28-30-33-35-40 HP Also 25 HP-51-55	51-70	Cruisers, Houseboats, Sailboats 17'-19' Boats—All Loads, Skis 14'-16' Boats—All Loads, Skis 14'-16' Boats—All Loads, Skis 14'-16' Boats—Light Loads 12'-14' Boats—Light Loads	378581 378580 380637 378579 378571	PJ41 PJ31 PJ30 PJ32 PJ35 PJ40	3 3 3 3 3 3	10½x10 10½x11½ 10½x12½ 10½x12 10½x13¼ 10½x14	15.50 15.50 15.50 15.50 15.50 15.50
50 HP Also 60-65 HP with Heavy Duty Gear Case	58-68	Cruisers, Houseboats, Sailboats Cruisers, Houseboats, Sailboats Cruisers, Houseboats, Sailboats 20'-24' Boats—All Loads 14'-16' Boats—All Loads, Skis	278155	PJ51 PJ52 PJ56 PJ53 PJ50	3 3 3 3 3	13 x 8 13 x 9 13¼x 9 13 x10 12½x14	22.50 22.50 22.50 22.50 20.50
60-65-75-80-85-90 HP *Small Hub Prop— uses special Small Nut— Part No. NP74 at \$1.00 list	60-68	17'-19' Boats—All Loads, Skis 17'-19' Boats—All Loads, Skis 17'-19' Boats—All Loads, Skis 16'-17' Boats—All Loads, Skis 16'-17' Boats—All Loads, Skis 14'-16' Boats—All Loads, Skis	379260 378040 593437 377978 381446 378039	PJ74* PJ75 PJ78 PJ76 PJ73* PJ77	3 3 3 3 3 3	10 x 9¼ 10½x10 9½x10 10 x11 10 x11 10 x12	16.00 16.00 16.00 16.00 16.00 16.00
55-60-85-115 HP RPM 4000-5000 Thru Hub Exhaust	68-70	17'-19' Boats—All Loads, Skis 14'-16' Boats—All Loads, Skis 14'-16' Boats—Light Loads 12'-14' Boats—Light Loads	382763 382764 382765 382766	PJ80 PJ81 PJ82 PJ83	3 3 3 3	13¼x15 13¼x17 13 x19 13 x21	26.50 26.50 26.50 26.50
GALE 12-14-15 HP	51-63	12'-14' Boats—All Loads, Skis	376737	PJ14	3	9 x11	10.00
MERCURY							
				NEAREST MERCURY EQUIVALENT			
39-40	68-70	Standard Replacement	48-47940A1	PM16	2	8½x6	8.00
60-75	68-69	Standard Replacement Heavy Boats, Sailboats	48-47938A1 48-47944A1	PM18 PM17	2 3	7½x8 8½x5	8.00 9.00
Merc 75-110	68-70	Standard Replacement Light Runabouts, Light Load 14'-16' Boats—All Loads, Skis	48-47922A1 48-47926A1 48-47670A1	PM21 PM19 PM20	2 2 3	9 x 9 9 x10 9 x 7	9.00 9.00 12.00
Merc 200	63-70	14'-16' Boats—All loads, Skis Standard Replacement	48-33482A1 48-33480A1	PM26 PM30	3 2	9½x 9 10 x11	14.00 13.00
Merc 300, 350, 400, 450,500 Prop Exhaust	62-70	17'-19' Boats—All Loads, Skis 14'-16' Boats—All Loads, Skis 14'-16' Boats—Light Loads	48-56246A1 48-56238A1 48-56234A1	PM502 PM501 PM500	2 2 2	10½x11 10½x12 10½x13	18.50 18.50 18.50
650-700A-800 RH Gear Shift	61-70	Light Runabouts, Light Loads	48-31072A2	PM801	2	13½x17	20.00
1000, 1100, 1150	62-70	16'-17' Boats—All Loads, Skis	48-31072A1	PM801	2	13½x17	20.00
800a, 850, 900, 950	61-70	14'-16' Boats—All Loads, Skis	48-31080A1	PM800	2	13½x19	20.00
1250-1350		12'-14' Boats—Light Loads	48-31454A3	PM1000	2	13½x21	20.00

Economy propellers

			BRONZE				ALUMINUM			
MOTOR & MODEL	YEAR	BOAT SIZE AND RECOMMENDATION	PART NO.	BLADES	DIA. & PITCH	PRICE	PART NO.	BLADES	DIA. & PITCH	PRICE
3.5 HP—RPM 4000-5000	64-70	Standard Replacement					G20	2	7½x 4½	\$ 6.00
4.4-5 HP—RPM 4500-5000	68-70	Standard Replacement					PC4	2	7 x 4¾	11.00
5½-6 HP—RPM 4000-5000 6 HP	56-59 64-67	Standard Replacement					GC54	2	7½x 7	9.00
6.6-7 HP—RPM 4500-5000	68-70	Standard Replacement					PC6	2	7½x 6¼	11.00
7½-9.2 HP— RPM 4000-5000	56-67	Cruisers, Houseboats, Sailboats 14'-16' Boats—All Loads, Skis	AMC302	3	8 x 7	\$14.00	AMC320	3	8 x 5½	12.00
		12'-14' Boats—Light Loads					GC55	2	8 x 8	9.50
9.9 HP—RPM 4500-5000	68-70	Light Runabouts, Light Loads Standard Replacement 14'-16' Boats—All Loads, Skis					PC14	2	8 x 8¾	11.00
							PC12	2	8½x 8¾	11.00
							PC10	2	8½x 8	11.00
16-20 HP—RPM 4500-5500	59-67	17'-19' Boats—All Loads, Skis Standard Replacement 14'-16' Boats—All Loads, Skis					AMC359	3	8½x 7½	16.50
							AMC365	3	8½x 8½	16.50
							AMC353	3	8½x 9	16.50
20 HP—RPM 4500-5500	68-70	Standard Replacement 14'-16' Boats—All Loads Skis 12'-14' Boats—Light Loads	PR5 PR9	3 3	8½x 8 8½x10	20.00 20.00	AMC490 PR4 PR8	3 3 3	8½x 8½ 8½x 8 8½x10	16.50 17.00 17.00
40-50 HP—RPM 4400-5100	61-65	16'-17' Boats—All Loads, Skis 14'-16' Boats—All Loads, Skis	SMC714	3	10½x12	25.50	SMC715 SMC713	3 3	10½x12 10½x13	17.50 17.50
35-45-50-55 HP— RPM 5000-5500 Splined Shaft	66-70	Cruisers, Houseboats, Sailboats 17'-19' Boats—All Loads, Skis 16'-17' Boats—All Loads, Skis 14'-16' Boats—All Loads, Skis	AMC307 PR131 PR133 PR135	3 3 3 3	10½x10 10½x11 10½x12 10½x13	26.00 29.00 29.00 29.00	AMC308 PR130 PR132 PR134	3 3 3 3	10½x10 10½x11 10½x12 10½x13	17.50 19.00 19.00 19.00
		14'-16' Boats—Light Loads Light Runabouts, Light Loads 12'-14' Boats—Light Loads	PR137 PR139 AJC310	3 3 2	10½x14 10½x15 10½x15	29.00 29.00 28.00	PR136 PR138 AJC311	3 3 2	10½x14 10½x15 10½x15	19.00 19.00 18.00
75 HP—RPM 4000-5100 Splined Shaft	66-67	Cruisers, Houseboats, Sailboats 20'-24' Boats—One Engine 17'-19' Boats—All Loads, Skis 16'-17' Boats—All Loads, Skis	SMC71 SMC96 SMC75 SMC77	3 3 3 3	13 x10 12½x11 12½x12 12½x13	40.00 40.00 40.00 40.00	SMC90 SMC73 SMC74 SMC76	3 3 3 3	13 x10 12½x11 12½x12 12½x13	26.00 26.00 26.00 26.00
		14'-16' Boats—All Loads, Skis Light Runabouts, Light Loads	SMC79 AJC489	3 2	12½x14 12 x15	40.00 40.00	SMC78	3	12½x14	26.00
80 HP—RPM 4400-5100	61-65	Cruisers, Houseboats, Sailboats 20'-24' Boats—One Engine 17'-19' Boats—All Loads, Skis	SMC72 SMC68 SMC60	3 3 3	13 x 8 12½x12 12½x13	41.50 41.50 41.50	PJ51 SMC69 SMC61	3 3 3	13 x 8 12½x12 12½x13	22.50 25.00 25.00
		16'-17' Boats—All Loads, Skis 14'-16' Boats—All Loads, Skis Light Runabouts, Light Loads	SMC62 AJC487	3 2	12½x14 12 x16	41.50 41.50	PJ50 SMC65	3 3	12½x14 12½x15	20.50 25.00
105 HP—RPM 4500-5500 Splined Shaft	66-67	Cruisers, Houseboats, Sailboats 20'-24' Boats—One Engine 17'-19' Boats—All Loads, Skis	SMC83 SMC85 SMC87	3 3 3	13 x12 13 x13 13 x14	43.50 43.50 43.50	SMC82 SMC84 SMC86	3 3 3	13 x12 13 x13 13 x14	29.00 29.00 29.00
		16'-17' Boats—All Loads, Skis Racing Runabouts	SMC89 AJC504	3 2	13 x15 13 x17	43.50 43.50	SMC88	3	13 x15	29.00
105 HP—RPM 4500-5500 75-85 HP—RPM 4500-5100 Splined Shaft	68-70	Cruisers, Houseboats Cruisers, Houseboats 20'-24' Boats—One Engine 20'-24' Boats—One Engine	PR64 PR66	3 3	13 x13 13 x14	43.50 43.50	PR65 DQ108 DQ116 PR67	3 4 4 3	13 x13 13 x10 13 x12 13 x14	30.00 35.00 35.00 30.00
For 75-85 HP Reduce pitch 2"		17'-19' Boats—All Loads, Skis 16'-17' Boats—All Loads, Skis 14'-16' Boats—All Loads, Skis 12'-14' Boats—Light Loads Light Runabouts, Light Loads	PR68 PR70 PR54 PR56 AJC84	3 3 3 3 2	13 x15 13 x16 13 x18 13 x19 13 x19	43.50 43.50 43.50 43.50 43.50	PR69 PR71 PR55 PR57 AJC85	3 3 3 3 2	13 x15 13 x16 13 x18 13 x19 13 x19	30.00 30.00 30.00 30.00 30.00
120 HP—RPM 5000-5500	1970	Cruisers, Houseboats Cruisers, Houseboats 20'-24' Boats—One Engine 20'-24' Boats—One Engine	PR75 PR77	3 3	13½x11 13½x13	44.50 44.50	PR74 DQ108 DQ116 PR76	3 4 4 3	13½x11 13 x10 13 x12 13½x13	32.50 35.00 35.00 32.50
		17'-19' Boats—All Loads, Skis 16'-17' Boats—All Loads, Skis 14'-16' Boats—All Loads, Skis Light Runabouts, Light Loads	PR79 PR81 PR83 AJC720 AJC724	3 3 3 2 2	13½x15 13½x17 13½x19 13 x21 13 x23	44.50 44.50 44.50 44.50 44.50	PR78 PR80 PR82 AJC722 AJC726	3 3 3 2 2	13½x15 13½x17 13½x19 13 x21 13 x23	32.50 32.50 32.50 32.50 32.50

MOTOR & MODEL	YEAR	BOAT SIZE AND RECOMMENDATION	BRONZE				ALUMINUM			
			PART NO.	BLADES	DIA. & PITCH	PRICE	PART NO.	BLADES	DIA. & PITCH	PRICE
4 HP—RPM 4200-4800	68-70	Standard Replacement Cruisers, Houseboats, Sailboats					SA10	2	7½x 6	\$ 6.00
							SA12	2	7½x 5	8.00
3, 3.5, 3.6, 4, 5 HP	1970	Standard Replacement					G20	2	7½x 4½	6.00
7 HP	1970	Standard Replacement					G30	2	7½x 5½	6.00
7½ HP—RPM 4200-4800	60-70	12'-14' Boats—Light Loads Light Runabouts, Light Loads	AJC62	2	6 x 8	\$15.00	SAC371	3	6 x 6	12.50
							AJC63	2	6 x 8	9.00
9 HP—RPM 4800-5600	67-70	Standard Replacement 14'-16' Boats—All Loads, Skis 12'-14' Boats—Light Loads					SMC23	3	8½x 8½	12.50
			AJC80	2	8 x 9½	18.50	SMC24	3	8½x 7½	12.50
12-14 HP—RPM 4600-5400	60-70	14'-16' Boats—All Loads, Skis 14'-16' Boats—Light Loads	AMC534	3	8½x 7	16.50				
			AMC533	3	8½x 8	16.50				
		Standard Replacement Light Runabouts, Light Loads					AMC535	3	8½x 8½	11.00
						AMC532	3	8½x 9	11.00	
25-28 HP—RPM 4600-5400	60-70	Cruisers, Houseboats, Sailboats 14'-16' Boats—All Loads, Skis 14'-16' Boats—All Loads, Skis	SMC849	3	9 x 9	21.00	SMC846	3	9 x 7	15.00
							SMC848	3	9 x 9	15.00
		Standard Replacement Light Runabouts, Light Loads	SMC851	3	9 x10	21.00	PS25	3	9 x10	14.00
			AJC518	2	9½x11½	21.00	AJC517	2	9½x11½	17.50
35 HP	1965	16'-17' Boats—All Loads, Skis 14'-16' Boats—All Loads, Skis	SMC714	3	10½x12	25.50	SMC717	3	10½x11	17.50
							SMC715	3	10½x12	17.50
40-45 HP—RPM 4800-5600	59-70	17'-19' Boats—All Loads, Skis 16'-17' Boats—All Loads, Skis 14'-16' Boats—All Loads, Skis	SMC636	3	10 x10	23.50	SMC635	3	10 x10	17.50
			SMC638	3	10 x11	23.50	SMC637	3	10 x11	17.50
			SMC640	3	10 x12	23.50	PS40	3	10 x12½	16.00
		14'-16' Boats—Light Loads 12'-14' Boats—Light Loads					SMC641	3	10 x13	17.50
						SMC697	3	10 x14	17.50	
60-75 HP—RPM 4800-5600	59-70	Cruisers, Houseboats, Sailboats 20'-24' Boats—One Engine 17'-19' Boats—All Loads, Skis 16'-17' Boats—All Loads, Skis	SMC629	3	11½x 8	36.50	PS76	3	11½x 8	19.00
			AMC674	4	11½x10	42.00	PS74	3	11½x10	19.00
			SMC626	3	11½x11	36.50	PS73	3	11½x11	19.00
			SMC628	3	11½x12	36.50	PS71	3	11½x12	19.00
		14'-16' Boats—All Loads, Skis 14'-16' Boats—Light Loads	SMC620	3	11½x13	36.50	PS72	3	11½x13	19.00
			SMC622	3	11½x14	36.50	PS70	3	11½x14	19.00

MOTOR & MODEL	YEAR	BOAT SIZE AND RECOMMENDATION	BRONZE				ALUMINUM			
			PART NO.	BLADES	DIA. & PITCH	PRICE	PART NO.	BLADES	DIA. & PITCH	PRICE
100 HP—RPM 4500-5500	66-68	Cruisers, Houseboats Cruisers, Houseboats	PR117	3	14 x10	64.00	PR116	3	14 x10	42.50
							DQ218	4	14 x10	50.00
		20'-24' Boats—One Engine	PR114	3	14 x11	64.00	PR115	3	14 x11	42.50
		20'-24' Boats—One Engine	PR119	3	14 x12	64.00	PR118	3	14 x12	42.50
		17'-19' Boats—All Loads, Skis	PR104	3	13 x14	49.50	PR105	3	13 x14	42.50
		16'-17' Boats—All Loads, Skis	PR106	3	12½x15	47.50	PR107	3	12½x15	42.50
		14'-16' Boats—All Loads, Skis	PR108	3	12½x16	47.50	PR109	3	12½x16	42.50
		14'-16' Boats—Light Loads	PR110	3	12½x17	47.50	PR111	3	12½x17	42.50
		12'-14' Boats—Light Loads	AJC221	2	13½x17	47.00				
		Light Runabouts, Light Loads	PR112	3	12½x18	47.50	PR113	3	12½x18	42.50
		Light Runabouts, Light Loads	AJC223	2	13½x18	47.00				
Racing Runabouts	AJC225	2	13½x19	47.00						
60, 65, 75, 80, 85, 90 HP RPM 4000-5000 thru 1967 RPM 4500-5500-1968	60-68	Barges, Heavy Boats 20'-24' Boats—One Engine	SMC863	3	10½x 8	30.00	SMC865	3	10½x 6	18.00
			SMC861	3	10½x 9	30.00	SMC864	3	10½x 8	18.00
		17'-19' Boats—All Loads, Skis	SMC855	3	10½x10	30.00	SMC862	3	10½x 9	18.00
		17'-19' Boats—All Loads, Skis	SMC857	3	10½x11	30.00	PJ75	3	10½x10	16.00
		16'-17' Boats—All Loads, Skis	SMC859	3	10 x12	30.00	PJ76	3	10 x11	16.00
		14'-16' Boats—All Loads, Skis					PJ77	3	10 x12	16.00
		14'-16' Boats—Light Loads	SMC866	3	10 x13	30.00	SMC867	3	10 x13	18.00
		12'-14' Boats—Light Loads	SMC868	3	10 x14	30.00	SMC869	3	10 x14	18.00
Light Runabouts, Light Loads	AJC455	2	10½x15	33.00						

EVINRUDE-JOHNSON-GALE (Cont.)			BRONZE				ALUMINUM			
MOTOR & MODEL	YEAR	BOAT SIZE AND RECOMMENDATION	PART NO.	BLADES	DIA. & PITCH	PRICE	PART NO.	BLADES	DIA. & PITCH	PRICE
55-60-85 HP— RPM 4000-5000 Thru Hub Exhaust	68-70	Cruisers, Houseboats, 20'-24' Boats—One Engine 17'-19' Boats—All Loads, Skis 14'-16' Boats—All Loads, Skis 14'-16' Boats—Light Loads 12'-14' Boats—Light Loads Light Runabouts, Light Loads Light Runabouts, Light Loads	PR291	3	14 x11	\$66.00	PR290	3	14 x11	\$29.00
			PR289	3	14 x13	66.00	PR288	3	14 x13	29.00
			PR287	3	13½x15	66.00	PR286	3	13½x15	29.00
			PR285	3	13½x17	66.00	PR284	3	13½x17	29.00
			PR283	3	13½x19	66.00	PR282	3	13½x19	29.00
			PR281	3	13½x21	66.00	PR280	3	13½x21	29.00
			AJC320-C	2	12½x23	66.00	AJC321-C	2	12½x23	31.00
			AJC322-C	2	12½x25	66.00	AJC323-C	2	12½x25	31.00
115 HP—RPM 5000-5500	68-70	Cruisers, Houseboats Cruisers, Houseboats 20'-24' Boats—One Engine 20'-24' Boats—One Engine 19'-21' Boats—All Loads, Skis 19'-21' Boats—Light Loads 17'-19' Boats—Light Loads 14'-16' Boats—Light Loads 14'-16' Boats—Light Loads, Light Runabouts, Light Loads Light Runabouts, Light Loads	PR291	3	14 x11	66.00	PR290	3	14 x11	29.00
			PR289	3	14 x13	66.00	DQ320	4	14 x10	35.00
			PR287	3	13½x15	66.00	PR288	3	14 x13	29.00
			PR285	3	13½x17	66.00	DQ328	4	14 x12	35.00
			PR283	3	13½x19	66.00	PR286	3	13½x15	29.00
			PR281	3	13½x21	66.00	DQ336	4	14 x14	35.00
			AJC320-C	2	13¼x23	66.00	PR284	3	13½x17	29.00
			AJC322-C	2	13¼x25	66.00	PR282	3	13½x19	29.00
50 HP—RPM 4000-5000 Also 60-65 HP with Heavy Duty Gear Case	58-68	Cruisers, Houseboats, Sailboats 17'-19' Boats—All Loads, Skis 16'-17' Boats—All Loads, Skis 14'-16' Boats—All Loads, Skis 14'-16' Boats—Light Loads Light Runabouts, Light Loads	SMC72	3	13 x 8	41.50	PJ51	3	13 x 8	22.50
			SMC68	3	12½x12	41.50	SMC69	3	12½x12	25.00
			SMC60	3	12½x13	41.50	SMC61	3	12½x13	25.00
			SMC62	3	12½x14	41.50	PJ50	3	12½x14	20.50
			AJC487	2	12 x16	41.50	SMC65	3	12½x15	25.00
			SMC48	3	10½x 8	25.50	SMC47	3	10½x 8	17.50
			PR91	3	10½x10	27.50	PR90	3	10½x10	19.00
			PR93	3	10½x11	27.50	PR92	3	10½x11	19.00
AMC464	4	10 x11	28.50	AMC444	4	10 x11	23.50			
22, 28, 30, 33, 35, 40 HP— RPM 4000-5000 25 HP—51-55	51-70	Barges, Extra heavy boats 20'-24' Cruisers, One Engine 17'-19' Boats—All Loads, Skis 17'-19' Boats—All Loads, Skis 16'-17' Boats—All Loads, Skis 16'-17' Boats—All Loads, Skis Weedless 14'-16' Boats—All Loads, Skis 12'-14' Boats—Light Loads 20'-24' Boats—One Engine 12'-14' Boats—Light Loads 14'-16' Boats—Light Loads	PR95	3	10½x12	27.50	PR94	3	10½x12	19.00
			PR97	3	10½x13	27.50	AMC445	4	10 x12	23.50
			AJC467	2	10½x16	27.50	JWC41	2	10½x12½	19.50
			PR101	3	10½x15	27.50	PR96	3	10½x13	19.00
			PR99	3	10½x14	27.50	AJC469	2	10½x16	19.00
			PR93	3	10½x11	27.50	AMC384	3	11 x10	24.50
			PR95	3	10½x12	27.50	PR100	3	10½x15	19.00
			PR99	3	10½x14	27.50	PR98	3	10½x14	19.00
14, 15, 18, 20 HP— RPM 4000-5000 Also 25 HP—1969 <i>These propellers also fit Penta Crescent (Sweden)</i>	50-70	Cruisers, Houseboats, Sailboats 16'-17' Boats—All Loads, Skis Weedless 16'-17' Boats—All Loads, Skis 14'-16' Boats—All Loads, Skis 14'-16' Boats—Light Loads 12'-14' Boats—Light Loads Light Runabouts, Light Loads	SMC38	3	9¼x 7	20.00	SMC39	3	9¼x 7	14.00
			EWC18	3	9 x10	20.00	AMC448	4	9 x 9	19.00
			PR21	3	8¾x 9	20.00	EWC19	3	9 x10	14.00
			PR23	3	8¾x10	20.00	PR20	3	8¾x 9	14.00
			PR25	3	8¾x11	20.00	PR22	3	8¾x10	14.00
			PR27	3	8¾x12	20.00	PR24	3	8¾x11	14.00
			AJC417	2	9¼x12	20.00	PR26	3	8¾x12	14.00
			AJC417	2	9¼x12	20.00	AJC418	2	9¼x12	14.00
9½-10 HP—RPM 4000-5000	58-70	20'-24' Boats—Sailboats 14'-16' Boats—All Loads, Skis Weedless 14'-16' Runabouts, Light Loads Light Runabouts, Light Loads	SMC15	3	8¼x 8	18.50	SMC12	3	8¼x 6½	12.00
			JWC12	3	8¼x 8	18.50	PJ11	3	8¼x 8	10.00
			SMC17	3	8¼x 9	18.50	JWC13	3	8¼x 8	12.00
			AJC175	2	8 x10	18.50	SMC18	3	8¼x 9	12.00
			AMC421	3	7¾x 6½	12.50	AMC422	3	7¾x 6½	9.50
6 HP—RPM 4000-5000	66-70	14'-16' Boats—Light Loads 12'-14' Boats—Light Loads	AMC423	3	7¾x 7	12.50	AMC431	3	7¾x 6½	9.50
			AMC430	3	7¾x 6½	12.50	JWC5	3	7¾x 6½	9.50
			AMC433	3	7¾x 7	12.50	AMC419	3	7¾x 6½	9.50
5 HP—RPM 3500-4500	65-70	14'-16' Boats—Light Loads 12'-14' Boats—Light Loads	AMC420	3	7¾x 6½	12.50	PJ7	3	8 x 7½	7.00
			AMC420	3	7¾x 6½	12.50	PJ5	3	8 x 4½	5.50
3-4 HP—RPM 3500-4500 Right Angle Drive	64-70	Standard Replacement Light Runabouts, Light Loads					PJ6	3	8 x 5½	5.50
							PJ3	3	6¼x 4½	5.50
3-4 HP—RPM 3500-4500 Anglematic	55-70	Standard Replacement								

MOTOR & MODEL	YEAR	BOAT SIZE AND RECOMMENDATION	BRONZE				ALUMINUM			
			PART NO.	BLADES	DIA. & PITCH	PRICE	PART NO.	BLADES	DIA. & PITCH	PRICE
55 HP	62-70	Cruisers, Houseboats, Sailboats Cruisers, Houseboats, Sailboats 20'-24' Boats—One Engine 17'-19' Boats—All Loads, Skis 16'-17' Boats—All Loads, Skis 14'-16' Boats—All Loads, Skis 14'-16' Boats—Light Loads	SMC629	3	11½x 8	\$36.50	PS76	3	11½x 8	\$19.00
							AMC712	4	11½x 8	37.00
							PS75	3	11½x 9	19.00
							PS74	3	11½x10	19.00
							PS73	3	11½x11	19.00
			SMC626	3	11½x11	36.50	PS71	3	11½x12	19.00
			SMC628	3	11½x12	36.50	PS72	3	11½x13	19.00
			SMC620	3	11½x13	36.50	PS72	3	11½x13	19.00

MOTOR & MODEL	YEAR	BOAT SIZE AND RECOMMENDATION	BRONZE				ALUMINUM			
			PART NO.	BLADES	DIA. & PITCH	PRICE	PART NO.	BLADES	DIA. & PITCH	PRICE
3½-4 HP	46-70	Standard Replacement Heavy Boats, Sailboats					SA10	2	7½x 6	\$ 6.00
							SA12	2	7½x 5	8.00
7½ HP Weedless— RPM 4200-4800	60-70	12'-14' Boats—Light Loads Light Runabouts, Light Loads					SAC371	3	6 x 6	12.50
			AJC62	2	6 x 8	\$15.00	AJC63	2	6 x 8	9.00
7½ HP—RPM 4200-4800 Straight Lower Unit— Right Hand	63-70	14'-16' Boats—All Loads, Skis Standard Replacement					SMC22	3	8½x 5	12.50
							SMC20	3	8½x 6½	12.50
9 HP—RPM 4800-5600	67-70	Houseboats, Sailboats Standard Replacement 14'-16' Boats—All Loads, Skis 12'-14' Boats—Light Loads					SMC22	3	8½x 5	12.50
							SMC23	3	8½x 8½	12.50
							SMC24	3	8½x 7½	12.50
12-14.1 HP RPM 4600-5400	60-67	14'-16' Boats—All Loads, Skis 14'-16' Boats—Light Loads Standard Replacement Light Runabouts, Light Loads	AMC534	3	8½x 7	16.50				
			AMC533	3	8½x 8	16.50	AMC535	3	8½x 8½	11.00
						AMC532	3	8½x 9	11.00	
22-25-27.7-28 HP RPM 4600-5400	58-67	17'-19' Boats—All Loads, Skis 14'-16' Boats—All Loads, Skis 16'-17' Boats—All Loads, Skis 14'-16' Boats—Light Loads Light Runabouts, Light Loads	SMC849	3	9 x 9	21.00	SMC846	3	9 x 7	15.00
							SMC848	3	9 x 9	15.00
							AMC670	4	9 x 9	20.50
							SMC851	3	9 x10	21.00
							AJC518	2	9½x11½	21.00
30-33-40 HP Left Hand Prop	55-58	16'-17' Boats—All Loads, Skis 14'-16' Boats—All Loads, Skis	SMC648	3	10 x11	23.50	SMC647	3	10 x11	17.50
			SMC650	3	10 x12	23.50	SMC649	3	10 x12	17.50
40-43.7-45 HP RPM 4800-5600 Right Hand Prop	59-69	17'-19' Boats—All Loads, Skis 16'-17' Boats—All Loads, Skis 14'-16' Boats—All Loads, Skis 14'-16' Boats—Light Loads 14'-16' Boats—Light Loads	SMC636	3	10 x10	23.50	SMC635	3	10 x10	17.50
			SMC638	3	10 x11	23.50	SMC637	3	10 x11	17.50
			SMC640	3	10 x12	23.50	PS40	3	10 x12	16.00
							SMC641	3	10 x13	17.50
							SMC697	3	10 x14	17.50
60-75.2 HP RPM 4800-5600	58-59	Barges, Extra Heavy Boats Cruisers, Houseboats, One Engine 20'-24' Boats—One Engine 17'-19' Boats—All Loads, Skis 16'-17' Boats—All Loads, Skis 14'-16' Boats—All Loads, Skis 14'-16' Boats—Light Loads	SMC629	3	11½x 8	36.50	PS76	3	11½x 8	19.00
							PS75	3	11½x 9	19.00
							PS74	3	11½x10	19.00
							SMC626	3	11½x11	19.00
							SMC628	3	11½x12	19.00
							SMC620	3	11½x13	19.00
							SMC622	3	11½x14	19.00

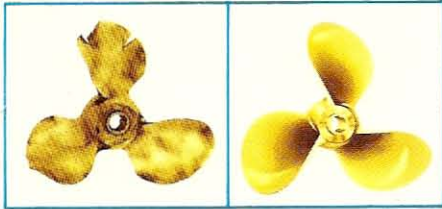
		BRONZE				ALUMINUM			
MOTOR MODEL (YEAR)	BOAT SIZE AND RECOMMENDATIONS	PART NO.	NEAREST MERCURY EQUIVALENT	BLADES	DIA. & PITCH PRICE	PART NO.	NEAREST MERCURY EQUIVALENT	BLADES	DIA. & PITCH PRICE
39-40—RPM 5000-5400 (68-69)	Standard Replacement					PM16	48-47940A1	2	8 1/4 x 6 \$ 8.00
59—RPM 5000-5400 (64-67)	Standard Replacement					PM4	48-31214A1	2	8 x 6 9.50
60-75—RPM 5000-5400 (68-69)	Standard Replacement Heavy Boats, Sailboats					PM18 PM17	48-47938A1 48-47944A1	2 3	7 7/8 x 8 8.00 8 7/8 x 5 9.00
60—RPM 5000-5400 (61-67)	14'-16' Boats—All Loads Standard Replacement					PM4 PM6	48-31214A1 48-31105A1	2 2	8 x 6 9.50 8 x 8 9.50
Mark 10, 10A, 15A, 100-150 (57-61)	14'-16' Boats—All Loads, Skis 14'-16' Boats—Light Loads 12'-14' Boats—Light Loads					PM14 PM15 PM13	48-27787A3 48-28880A1 48-26608A1	3 2 2	9 1/4 x 7 1/2 17.00 9 1/4 x 8 1/2 16.00 9 1/4 x 9 1/2 16.00
Mark 28, 28A, 200-250 (58-62)	14'-16' Boats—All Loads, Skis 14'-16' Boats—Light Loads 12'-14' Boats—Light Loads					PM27 PM28 PM29	48-28037A1 48-28036A1 48-28038A1	3 2 2	9 1/4 x 9 17.00 9 1/2 x 11 16.00 9 1/2 x 12 16.00
Mark 30 (56-58)	14'-16' Boats—All Loads, Skis 12'-14' Boats—Light Loads	AMC507		3	9 1/2 x 10 \$28.50	AMC506 AJC570		3 2	9 1/2 x 10 24.50 9 x 12 18.00
Merc 75-110 RPM 5000-5400 (68-70)	Standard Replacement Light Runabouts, Light Loads 14'-16' Boats—All Loads, Skis					PM21 PM19 PM20	48-47922A1 48-47926A1 48-47670A1	2 2 3	9 x 9 9.00 9 x 10 9.00 9 x 7 12.00
Merc 110—RPM 5000-5400 (62-67)	14'-16' Boats—All Loads, Skis 12'-14' Boats—Light Loads					PM11 PM10	48-32364A1 48-31504A1	2 2	9 x 9 9.50 9 x 10 9.50
Merc 200—RPM 5000-5400 (63-70)	14'-16' Boats—All Loads, Skis Standard Replacement					PM26 PM30	48-33482A1 48-33480A1	3 2	9 1/4 x 9 14.00 10 x 11 13.00
Mark 58, 58A, 400, 500, 50, 55, 35A, 300, 350 (56-61) 11 Spline	16'-17' Boats—All Loads, Skis 14'-16' Boats—All Loads, Skis 14'-16' Boats—All Loads, Skis 14'-16' Boats—Light Loads 12'-14' Boats—Light Loads	AMC581S AMC578S	48-22105A2	3	10 x 10 37.00 10 x 11 37.00	AMC580S AMC577S PM56 PM55 PM54	48-22575A2 48-22575A2 48-29985A2 48-22914A2 48-29986A2	3 3 2 2 2	10 x 10 24.00 10 x 11 24.00 10 1/4 x 10 18.00 10 1/4 x 12 18.00 10 1/4 x 13 18.00
Merc 300, 350, 400, 450, 500, (62-70) Prop Exhaust	Cruisers, Houseboats, Sailboats 17'-19' Boats—All Loads, Skis 16'-17' Boats—All Loads, Skis 14'-16' Boats—All Loads, Skis	PR30 PR32 PR34 PR36	48-56262A1 48-56260A1	3 3 3 3	10 1/4 x 9 42.00 10 1/4 x 10 42.00 10 1/4 x 11 42.00 10 1/4 x 12 42.00	PR31 PR33 PR35 PR37	48-56248A1 48-56246A1 48-56244A1 48-56240A1	3 3 3 3	10 1/4 x 9 24.00 10 1/4 x 10 24.00 10 1/4 x 11 24.00 10 1/4 x 12 24.00
PM 4800-5500	14'-16' Boats—Light Loads 12'-14' Boats—Light Loads	PR38 PR42		3 3	10 1/4 x 13 42.00 10 1/4 x 15 42.00	PR39 PR43	48-56236A1 48-56232A1	3 3	10 1/4 x 13 24.00 10 1/4 x 15 24.00
<i>These propellers also fit Carniti (Italy)</i>	17'-19' Boats—All Loads, Skis 14'-16' Boats—All Loads, Skis	AJC476 AJC478	48-56258A1 48-56256A1	2 2	10 1/2 x 11 34.00 10 1/2 x 12 34.00	PM502 PM501	48-56246A1 48-56238A1	2 2	10 1/2 x 11 18.50 10 1/2 x 12 18.50
	14'-16' Boats—Light Loads 12'-14' Boats—Light Loads Light Runabouts, Light Loads	AJC480 AJC482 AJC484	48-56254A1 48-56252A1 48-56250A1	2 2 2	10 1/2 x 13 34.00 10 1/2 x 15 34.00 10 1/2 x 17 34.00	PM500	48-56234A1	2	10 1/2 x 13 18.50
Mark 78, 78A, 75, 75A, 600 (57-60)	16'-17' Boats—All Loads, Skis 14'-16' Boats—All Loads, Skis 14'-16' Boats—Light Loads	SMC874		3	12 1/2 x 13 38.00	SMC885 PM78		3	12 1/2 x 15 26.00 13 1/4 x 15 21.00
650-700A-800 (61-70) RH Gear Shift RPM 4800-5300	17'-19' Boats—All Loads, Skis 16'-17' Boats—All Loads, Skis 14'-16' Boats—All Loads, Skis 14'-16' Boats—All Loads, Skis Light Runabouts, Light Loads Racing Runabouts	PR150 PR152 PR154 AJC587 AJC626 AJC628	48-30396A3 48-30394A3 48-31460A3 48-29660A2 48-29658A2 48-29656A2	3 3 3 2 2 2	13 x 11 60.00 13 x 13 60.00 13 x 15 60.00 13 1/2 x 15 60.00 13 1/2 x 17 60.00 13 1/2 x 19 60.00	PR151 PR153 PR155 AJC588 PM801	48-35936A3 48-32392A3 48-32390A3 48-31074A2 48-31072A2	3 3 3 2 2	13 x 11 28.00 13 x 13 28.00 13 x 15 28.00 13 1/2 x 15 24.00 13 1/2 x 17 20.00
1000, 1100, 1150 (62-70) RPM 4800-5300	Cruisers, Houseboats 20'-24' Boats—One Engine 17'-19' Boats—All Loads, Skis	PR150 PR152	48-30396A3 48-30394A3	3 3	13 x 11 60.00 13 x 13 60.00	DQ430 DQ438 PR151 PR153		4 4 3 3	13 x 10 35.00 13 x 12 35.00 13 x 11 28.00 13 x 13 28.00
800A, 850, 900, 950 (61-70) (use 2" lower pitch)	16'-17' Boats—All Loads, Skis 14'-16' Boats—All Loads, Skis 14'-16' Boats—Light Loads 12'-14' Boats—Light Loads	PR154 PR156 PR158 PR160	48-31460A3 48-31458A3 48-32748A3 48-32744A3	3 3 3 3	13 x 15 60.00 13 x 17 60.00 13 x 19 60.00 13 x 21 60.00	PR155 PR157 PR159 PR161	48-32390A3 48-32264A3 48-32750A3 48-32746A3	3 3 3 3	13 x 15 28.00 13 x 17 28.00 13 x 19 28.00 13 x 21 28.00
250-1350 (1970) (use 2" higher pitch)	Light Runabouts, Light Loads Light Runabouts, Light Loads 16'-17' Boats—All Loads, Skis 14'-16' Boats—All Loads, Skis 12'-14' Boats—Light Loads Light Runabouts, Light Loads Racing Runabout	PR162 PR164 AJC626 AJC628 AJC630 AJC632 AJC633	48-52006A3 48-52010A3 48-29658A3 48-31456A3 48-31452A3 48-31450A3 48-31448A3	3 3 2 2 2 2 2	13 x 23 60.00 13 x 25 60.00 13 1/2 x 17 60.00 13 1/2 x 19 60.00 13 1/2 x 21 60.00 13 1/2 x 23 60.00 13 1/2 x 25 60.00	PR163 PR165 PM801 PM800 PM1000	48-52008A3 48-52112A3 48-31072A1 48-31080A1 48-31454A3	3 3 2 2 2	13 x 23 28.00 13 x 25 28.00 13 1/2 x 17 20.00 13 1/2 x 19 20.00 13 1/2 x 21 20.00

MOTOR & MODEL	YEAR	BOAT SIZE AND RECOMMENDATION	BRONZE				ALUMINUM			
			PART NO.	BLADES	DIA. & PITCH	PRICE	PART NO.	BLADES	DIA. & PITCH	PRICE
2, 3, 5 HP—RPM 4000-5000	1970	Standard Replacement					C15	2	7 x 4½	\$ 8.00
3½ HP—RPM 4000-5000	64-69	Standard Replacement					G20	2	7½x 4½	6.00
5-6 HP—RPM 4000-5000	64-70	Standard Replacement					GC54	2	7½x 7	9.00
7 HP—RPM 4000-5000	1970	Standard Replacement					C18	2	7 x 5	7.50
8-9-9.2 HP— RPM 4000-5000	64-69	Cruisers, Houseboats, Sailboats 14'-16' Boats—All Loads, Skis Standard Replacement Light Runabouts, Light Loads	AMC302	3	8 x 7	\$14.00	AMC320	3	8 x 5½	12.00
			AJC55	2	8 x 8½	12.50	GC55	2	8 x 8	9.50
9.6 HP—RPM 4000-5000	1970	Standard Replacement 14'-16' Boats—All Loads, Skis Light Runabouts, Light Loads					PC12	2	8¼x 8¼	11.00
							PC10	2	8¼x 8	11.00
							PC14	2	8 x 8¼	11.00
20 HP—RPM 4500-5500	64-67	17'-19' Boats—All Loads, Skis Standard Replacement 14'-16' Boats—Light Loads					AMC359	3	8½x 7½	16.50
							AMC365	3	8½x 8½	16.50
							AMC353	3	8½x 9	16.50
20 HP—RPM 4500-5500	68-70	Standard Replacement 14'-16' Boats—All Loads, Skis	PR5	2	8½x 8	20.00	AMC490	3	8½x 8½	16.50
		12'-14' Boats—Light Loads	PR9	2	8½x10	20.00	PR4	2	8½x 8	17.00
45-50 HP—RPM 4400-5100	64-65	16'-17' Boats—All Loads, Skis 14'-16' Boats—All Loads, Skis	SMC714	3	10½x12	25.50	PR8	2	8½x10	17.00
							SMC 715	3	10½x12	17.50
							SMC713	3	10½x13	17.50
35-45-50-55 HP— RPM 4500-5500 Splined Shaft	66-70	Cruisers, Houseboats, Sailboats 17'-19' Boats—All Loads, Skis 16'-17' Boats—All Loads, Skis 14'-16' Boats—All Loads, Skis 14'-16' Boats—Light Loads Light Runabouts, Light Loads Light Runabouts, Light Loads	AMC307	3	10½x10	26.00	AMC308	3	10½x10	17.50
			PR131	3	10½x11	29.00	PR130	3	10½x11	19.00
			PR133	3	10½x12	29.00	PR132	3	10½x12	19.00
			PR135	3	10½x13	29.00	PR134	3	10½x13	19.00
			PR137	3	10½x14	29.00	PR136	3	10½x14	19.00
			PR139	3	10½x15	29.00	PR138	3	10½x15	19.00
			AJC310	2	10½x15	28.00	AJC311	2	10½x15	18.00
80 HP—RPM 4400-5100	64-69	Cruisers, Houseboats 20'-24' Boats—One Engine 17'-19' Boats—All Loads, Skis 16'-17' Boats—All Loads, Skis 14'-16' Boats—All Loads, Skis Light Runabouts, Light Loads	SMC72	3	13 x 8	41.50	PJ51	3	13 x 8	22.50
			SMC68	3	12½x12	41.50	SMC69	3	12½x12	25.00
			SMC60	3	12½x13	41.50	SMC61	3	12½x13	25.00
			SMC62	3	12½x14	41.50	PJ50	3	12½x14	20.50
			AJC487	2	12 x16	41.50	SMC65	3	12½x15	25.00

(not manufactured in last 6 years)

MOTOR & MODEL	YEAR	PART NO.	NO BLADES	DIA. & PITCH	METAL	PRICE
CHAMPION						
Single & Twin	39-42	P51	2	7½x 6½	Al	\$7.00
4.2 HP	46-53	P90	2	8 x 5½	Al	9.00
7.9 HP	48-50	P120	2	8 x10	Al	9.50
CLINTON						
2-5 HP		C15	2	7 x 4½	Al	8.00
ELGIN						
5-5½-6 HP	47-55	G40	2	7½x 7½	Al	8.50
5½ HP	56-59	GC54	2	7½x 7	Al	9.00
7½ HP	49-55	G50	2	7½x 8½	Al	9.50
7½ HP	56-59	GC55	2	8 x 8	Al	9.50
25 HP	55-57	G92	3	0¾x12	Al	19.00
35 HP		See West Bend				
EVINRUDE-JOHNSON						
7½ HP	50-53	AM340	3	7¾x 7	Br	15.50
7½ HP	54-58	AM417	3	8 x 7	Br	12.50
		AM416	3	8 x 8	Al	9.50
10 HP	50-57	AJC201	2	8½x11	Br	20.00
		AMC264	3	8½x 8½	Al	14.00
FAGEOL—CROFTON						
35-45 HP V.I.P.	56-60	SMC647	3	10 x11	Al	17.50
LAUSON						
2½-3 HP	40-57	L30	2	7½x 5½	Al	8.50
MARTIN						
75-60-66	46-51	Q10	2	8 x 8	Al	10.50
7.5 HP	52-54	Q50	2	8 x 8½	Al	12.00
MERCURY						
3½-5 HP	49-55	K70	2	6¾x 6½	Al	9.00
6 HP	40-47	K15	2	7¾x 7	Al	9.00
6 HP Mark 6-60	55-60	K74	2	7¾x 7	Al	9.00
7½ HP Mark 7	47-55	K50	2	7¾x 8	Al	9.00
10 HP KE 7	47-52	K40	3	7½x 9	Al	12.50
MERCURY (Cont.)						
10 HP KF 7 KG7	49-52	AJ55	2	8¼x10	Br	\$19.00
Mark 20-25 KH 7	52-58	AMC503	3	9 x 9	Al	23.50
		AJC550	2	9 x11	Al	18.00
Mark 50-55 14 spline	54-56	AMC580	3	10 x10	Al	24.00
Merc. 700-800 Left hand	60-61	PM700	2	13½x15	Al	21.00
		PM701	2	13½x17	Al	21.00
MUNCIE						
1.2 and 1.5 HP	47-70	E40	2	6 x 5	Al	7.00
2 and 2.5 HP	33-41	M10	2	7¾x 5½	Al	9.00
3½-5 HP	41-51	M70	2	6½x 5	Al	9.00
PERKINS-OLIVER						
5½-6-6½ HP	55-64	V10	2	8 x 6½	Al	10.00
15-16-18 HP	55-64	V116	2	9 x10½	Al	13.50
35 HP Left hand See McCulloch-Scott	57-59					
30-35-40 HP Right hand	60-64	SMC678	3	10 x11	Al	17.50
MCCULLOCH SCOTT						
5 HP BailAMatic	54-59	SAC40	2	7½x 6	Al	9.00
7½ HP BailAMatic	46-53	SA7	3	7¾x 8	Al	12.50
7½ HP BailAMatic	54-59	SAC50	2	8 x 7	Al	9.00
10 HP BailAMatic	54-59	SAC60	2	8½x10	Al	11.00
16 HP Right Hand	50-55	SAC30	3	9½x 6½	Al	17.00
16 HP BailAMatic Left Hand	56-57	SMC35	3	8½x 8	Al	17.00
WEST BEND (CHRYSLER)						
5-5½ & 6 HP	47-48	G40	2	7½x 7½	Al	8.50
7½-8 HP	49-55	G50	2	7½x 8½	Al	9.50
12 HP	55-64	AMC355	3	8½x 8	Al	17.00
25-30 HP	55-57	G92	3	10½x12	Al	19.00
25-35 HP	58-63	SMC703	3	10½x12	Al	17.50

Prop repair



Most damaged Michigan props can be perfectly reconditioned, eliminating the risk of costly engine damage through use of a bent or out-of-balance propeller. Repairs should be entrusted only to the factory or one of our authorized service stations. This is particularly important in cushion type props used on gear-shift engines. Propellers can be completely ruined through attempted repairs by insufficiently equipped and inexperienced shops. Factory Repair Station: Michigan Wheel Company, 1501 Buchanan Avenue, S.W., Grand Rapids, Mich. 49502.

FACTORY OUTBOARD & STERN DRIVE PROPELLER REPAIR PRICES

6" - 11" dia. Bronze or Alum.	\$ 8.50
11 1/4" - 13" dia. Bronze or Alum.	10.00
13 1/4" - 15" dia. Bronze or Alum.	13.50
15 1/4" dia. and larger.	19.00
CUPPED PROPS - add 25%	
PITCH change - new or undamaged props, at repair price	
Dia. Reduction - thru 13" dia.	5.50
Dia. Reduction - 13 1/4" dia. & larger.	9.90
Pitch change - in addition to repair.	5.00
HUB REPLACEMENT - in addition to wheel repair, NET:	
Thru 18 h.p.	2.20
19 h.p. thru 49 h.p.	3.30
50 h.p. thru 95 h.p.	4.30
100 h.p. and up.	7.70
HUB REPLACEMENT ONLY (prop not damaged) - NET:	
Thru 95 h.p.	6.60
100 h.p. and up.	9.00
CUPPING - thru 14" dia. NET.	4.50
15 1/4" & larger. NET.	6.50

FACTORY INBOARD PROPELLER REPAIR PRICES (2- or 3-blade Manganese Bronze)

Dia.	Price	Dia.	Price	Dia.	Price	Dia.	Price
10"	\$10.00	16"	\$15.50	22"	\$25.00	32"	\$51.00
11"	10.50	17"	16.50	24"	30.00	34"	57.50
12"	11.00	18"	19.50	26"	33.50	36"	63.50
13"	11.50	19"	21.50	28"	38.00	38"	72.50
14"	12.50	20"	23.00	30"	42.50	40"	83.00
15"	14.50						

(Above 40" - on quotation)

Ni-Bral or cast-steel add 25% to above/4 or 5 blades add 25% to above/Stainless Steel add 100% to above /Cupped Propellers add 25% to above. All repairs at Owner's risk - Prices F.O.B. Factory.

Racing propellers

Changing racing conditions such as course length, condition of water, altitudes, etc., may call for variation from sizes listed, and these can be supplied at no increase in cost.

These suggested sizes are based on the minimum legal weights for each class and for sea level or near sea level operation. Deliveries normally can be made from stock immediately. All propellers are



supplied in special high tensile racing bronze alloy and stainless steel, blades thinned for best racing performance and all incorporate the new cupped blade feature. Propellers listed are for racing engines with a suggested diameter and pitch. Because these are not similar to anything previously available on the market these should not be ordered size for size to replace another type or another make. There is a best basic size in each class to meet most conditions, and we offer this listing as a guide and to simplify propeller selection.

STOCK RACING ENGINES

ENGINE	CLASS— GEAR RATIO	DIA. & PITCH	HI-TENSILE BRONZE PRICE	STAINLESS STEEL PRICE
Anzani A Hydro-1:1		6 1/2 x 9	\$31.00	\$42.00
Anzani B Hydro-16:21		7 x 13	31.00	42.00
Anzani B Hydro-16:21		6 1/2 x 10 1/2	31.00	42.00
Anzani B Hydro-16:21		7 x 14	31.00	42.00
Champion A Hydro-14:19		7 x 12	31.00	42.00
Champion A Utility-14:19		7 x 11	31.00	42.00
Champion B Hydro-14:19		7 x 13	31.00	42.00
Champion B Utility-14:19		37 x 12	31.00	42.00
Konig A Hydro-1:1		6 x 8	31.00	42.00
Konig B Hydro-1:1		6 1/4 x 10	31.00	42.00
Konig C Hydro-1:1		7 1/4 x 12	31.00	42.00
Konig D Hydro-1:1		7 1/4 x 14	31.00	42.00
Mercury A Hydro-1:1		6 x 7 1/4	31.00	42.00
Mercury A Utility-1:1		6 x 7	31.00	42.00
Mercury A Hydro-16:21		6 1/2 x 10 1/2	31.00	42.00
Mercury A Utility-16:21		6 1/2 x 9 1/2	31.00	42.00
Mercury B Hydro-1:1		6 1/4 x 9	31.00	42.00
Mercury B Utility-1:1		6 1/4 x 8	31.00	42.00
Mercury B Hydro-16:21		7 x 14	31.00	42.00
Mercury B Utility-16:21		7 x 13	31.00	42.00
Mercury C Hydro-1:1		7 x 10	31.00	42.00
Mercury C Utility-1:1		7 x 9	31.00	42.00
Mercury D Utility-1:1		7 1/4 x 11	31.00	42.00
Mercury F Hydro-1:1		8 1/2 x 13		61.00
Mercury F Utility-1:1		9 x 12		61.00
Mercury J Utility		6 1/2 x 6 1/2	29.00	
J & E "36" Cu. In.		10 x 15 1/2	42.00	
Chrysler "36" Cu. In.		10 1/2 x 16	42.00	

Propellers for motors not listed - write for information.

OUTBOARD PLEASURE CRAFT (OPC) RACING PROPS

SIZE	LEFT HAND	RIGHT HAND	PRICE
MERCURY 35 THRU 50 H.P.			
10 1/2 x 15		AJ-600	\$42.00
MERCURY 65 THRU 110 H.P.			
13 x 19		AJ650	\$63.00
13 x 19		CUP402*	65.00
13 x 21		AJ655	63.00
13 x 21		CUP404*	65.00
13 x 23		AJ660	63.00
13 x 23		CUP408*	65.00
13 x 25		AJ700	63.00
13 x 25		CUP410*	65.00
13 x 27		AJ702	63.00
13 x 29		AJ704	63.00
14 x 27		AJ732	63.00
14 x 29		AJ734	63.00
14 x 31		AJ736	63.00
14 x 23		CUP422*	65.00
14 x 25		CUP424*	65.00
14 x 27		CUP426*	65.00
14 x 29		CUP428*	65.00
14 x 31		CUP430*	65.00

*Props with hub exhaust and rubber hub Cushion

MERCURY "BP" 100-125 H.P.

12 x 19	AJ219	AJ619	\$63.00
12 x 21	AJ221	AJ621	63.00
12 x 23	AJ223	AJ623	63.00
12 x 25	AJ225	AJ625	63.00
12 x 27	AJ227	AJ627	63.00
12 x 29	AJ229	AJ629	63.00

CHRYSLER 75-105 H.P. (RACING LOWER UNIT)

10 x 14	AJ319	AJ320	\$45.00
10 x 15	AJ321	AJ322	45.00
10 x 16	AJ327	AJ328	45.00
10 x 17	AJ329	AJ330	45.00
10 x 18	AJ331	AJ332	45.00

EVINRUDE-JOHNSON GT-115 & X115

13 x 19	AJ710	AJ711	\$73.50
13 x 21	AJ712		73.50
13 x 23	AJ714	AJ715	73.50
13 x 25	AJ716		73.50
13 x 27	AJ718		73.50
13 x 29	AJ720		73.50

MERCURY - SUPER SPEEDMASTER - SPLINED SHAFT

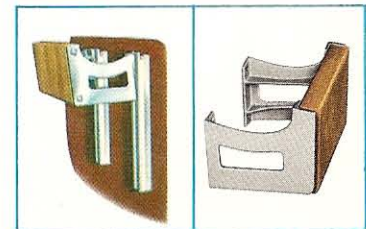
9 3/4 x 14	AJ291	AJ292	\$52.50
9 3/4 x 15	AJ293	AJ294	52.50
9 3/4 x 16	AJ295	AJ296	52.50
9 3/4 x 17	AJ297	AJ298	52.50
9 3/4 x 18	AJ299	AJ300	52.50

Accessories

SLIDING MOTOR BRACKET

(Below left) For trolling or auxiliary motors on hi-transom boats. Bracket width 11".

No. 516 (to 10 H.P.) 18" Rails	\$26.00
No. 516A (to 10 H.P.) 24" Rails	30.00
No. 530 (to 20 H.P.) 18" Rails	40.00
No. 530A (to 20 H.P.) 24" Rails	45.00



No. 525 and No. 527 MOTOR BRACKET

(Above right) Permanent mount for auxiliary or trolling motors. Hard maple, natural finish with sand-cast aluminum brackets.

No. 525 (to 10 H.P.) 8 1/2" width	\$14.00
No. 527 (to 25 H.P.) 11" width	24.00

Authorized field repair stations

SETH SMITH
BOAT WORKS, INC.
1017 S. 23rd St.
Phoenix, Ariz. 85034

LOUIE THOMAS
MARINE CENTER
343 So. Atlantic Blvd.
Los Angeles, Calif.
90022

SHASTA PROPELLER
& MARINE SERVICE
4633 Shasta Dam
Central Valley, Calif.
96019

THOMSON MACHINE
WORKS
235 1st St.
San Francisco, Calif.
94105

ESSEX MACHINE
WORKS, INC.
Essex, Conn. 06426

FRANK & JIMMIE'S
PROPELLER SHOP
100 S.W. 6th St.
Ft. Lauderdale,
Fla. 33301

DIESEL ENGINEERS
2030 E. Adams St.
Jacksonville, Fla.
32206

ANCHOR BOAT &
SUPPLY CO.
96 S.W. 7th St.
Miami, Fla. 33130

SOUTHERN
PROPELLER CO.
Bldg. 32, Navy Yard
Foot of Grant St.
Tampa, Fla. 33605

GENERAL
PROPELLER CO.
1415 9th Ave., E.
Bradenton, Fla.
33505

HARRY'S PROP SHOP
1407 Browns Bridge
Road, Hwy 141
Gainesville, Ga.
30501

CHAMPION MACH. &
MFG. CO., INC.
E. President St.
Savannah, Ga. 31402

THE ANCHORAGE
1025 Ala Moana
Honolulu, Hawaii

AIR MARINE
5638 Central Ave.
Chicago, Ill. 60638

RAY'S PROPELLER
SERVICE
904 Irving Park Road
Chicago, Ill. 60613

OUTBOARD SALES &
SERVICE
6334 Westfield Blvd.
Indianapolis, Ind.
46220

LORENZ & JONES
132 E. Grand Ave.
Des Moines, Iowa
50309

MIDWEST
PROPELLER SERVICE
P.O. Box 304
Olathe, Kansas 66061

BONFANTI, INC.
5163 Greenwell
Springs
Baton Rouge, La.
70806

HOUMA MACHINE &
MARINE SUPPLY, INC.
1219 E. Main
Houma, La. 70360

HARDIES WAGNER
MARINE SUPPLY CO.
12739 Earhart Blvd.
New Orleans, La.
70113

NEW ENGLAND
PROPELLER SERVICE
67 Long Wharf
Boston, Mass. 02110

MCCLEAN BROS.
7142 Furnace
Branch Road
Glen Burnie, Md.
21061

JOHNNY'S BOAT
PROPELLER SERV.
17307 E. Warren
Detroit, Mich. 48224

TRIBILT MFG. CO.,
INC.
3601 E. 27th St.
Minneapolis, Minn.
55414

WAIT MFG. CO.
406 Peoria
Tulsa, Okla. 74120

INDEPENDENT
MARINE PROP
SUPPLY
3675 N. Crawford
Portland, Ore. 97203

SHEFFIELD MARINE
PROPELLER
10002 N. Vancouver
Way
Portland, Ore. 97217

GOCHENAUR
MARINE SUPPLY CO.
2446 Germantown
Ave.
Philadelphia, Pa.
19133

KELLER MARINE
SERVICE, INC.
Port Trevorton, Pa.
17864

ED'S MARINE SHOP
3291 Jackson Ave.
Memphis, Tenn.
38122

APEX EQUIPMENT,
INC.
4001 21st St. West
Seattle, Wash. 98199

H.D.F. PROPELLER
CO.
4451 N.W. 14th Ave.
Seattle, Wash. 98107

WESTERN WRIGHT
MARINE
1525 Commerce
Tacoma, Wash. 98402

MOE'S MARINE
SERVICE
19 Bellair Lane
Oshkosh, Wis. 54901

OVERSEAS
BRYDON BRASS
MFG CO., LTD.
Brydon Drive &
Rexdale Blvd.
Rexdale, Ontario,
Canada

FRANCE INTL.
REPRESENTATION
102-104 Ave.
Andre-Magninot
94 Vitry-Sur-Seine
Paris, France

ERNST O. HESSE
Grafenberger Allee
325
Dusseldorf,
Germany



RIVIERA MARINA,
INC.
Route #1
St. Charles, Mo.
63301

TRI STATE MARINA
INC.
Route #4
Ft. Lee, N.J. 07024

RICH MARINE SALES
Foot of Amherst
Buffalo, N.Y. 14214

BARBOUR MARINE
SUPPLY
216 Front St.
Beaufort, N.C. 28516

SANTE MARINE, INC.
5308 Detroit Ave.
Cleveland, Ohio
44102

GULL HARBOR
Box 3
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