



The Michigan propeller 1973.

outboard & stern drive

Nobody knows more about propellers than the people who make The Michigan propeller.

From the very start, back in 1903, Michigan Wheel Corporation had just one goal: to produce the finest propellers possible, and to rigidly maintain the highest standards of quality.

One of the ways we meet that goal is with the world's largest, most modern propeller plant. More than 175,000 sq. ft. of single-floor, straight-flow production facilities are needed to accommodate our highly specialized custom designed and custom built production equipment. Plus over 2½ miles of shelving to house a stock of more than 75,000 finished propellers, and 10,000 to 20,000 semi-finished propellers. (This means prompt shipment when needed!)

Every design, every feature, of these superb quality wheels is proved again and again on our own waterway, by experienced engineers who run thousands of miles of tests during the open water season. They match each and every model of outboard and inboard motor with the precise propeller that will give it maximum efficiency in all phases of operation — including all the possible variations of boat type and size, load or purpose.

The unquestioned success of our Prop-riider propellers, our cupped wheel designs, and other Michigan innovations prove that this exceptional testing and quality control system...really works!

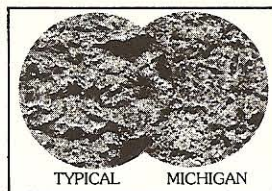
The unmatched performance, and the wide variety of styles and types available in Michigan propellers offer boaters a *single source* for propellers that are practically custom made for every kind of pleasure craft in the water.

Our machined-pitch process. To get top propeller performance, you've got to construct each propeller with absolute, close-tolerance accuracy. So our engineers invented a machined-pitch process

that assures you of unparalleled accuracy of construction. There's nothing like it anywhere else. All chance for human error has been eliminated, and unerring machine accuracy substituted. Only after extensive research were we able to perfect the first critical step in the process — the helical planer, shown above. This incredible machine carves the original wood patterns of all Michigan propellers, and machines each of the permanent metal patterns with pinpoint accuracy.

Our metals. Knowing exactly what metal alloys to use, and exactly how best to cast them, makes a big difference in the finished quality and performance (and repairability) of a propeller. All Michigan wheels are cast of the finest grade virgin alloys, formulated by our own expert metallurgists.

MICHALUM: this high strength aluminum is an exclusive Michigan alloy. Its tensile strength is 40,000 lbs. psi; yield strength 20,000 lbs. psi; elongation 9%. The alloy is salt water resistant, and is the only aluminum that gives satisfaction even under the severe service conditions of large, high powered motors. The magnified cross sections tell the story — when you compare a section of a typical die-cast propeller, and Michigan's superior sand-cast aluminum alloy.



MICHALLOY-K BRONZE: So strong that propellers made of it are guaranteed for life against blade breakage at the hub. Its tensile strength is 72,000 lbs. psi minimum; yield 35,000 lbs. psi minimum; elongation 27%. Besides wearing indefinitely, the great initial impact strength of this bronze alloy keeps damage to an absolute minimum, which makes for safer props.

Our cushion hub. Most modern gearshift motors are subject to shock when shifting. To protect them, engine makers provide their propellers with built-in shock absorbing cushions in the hub,

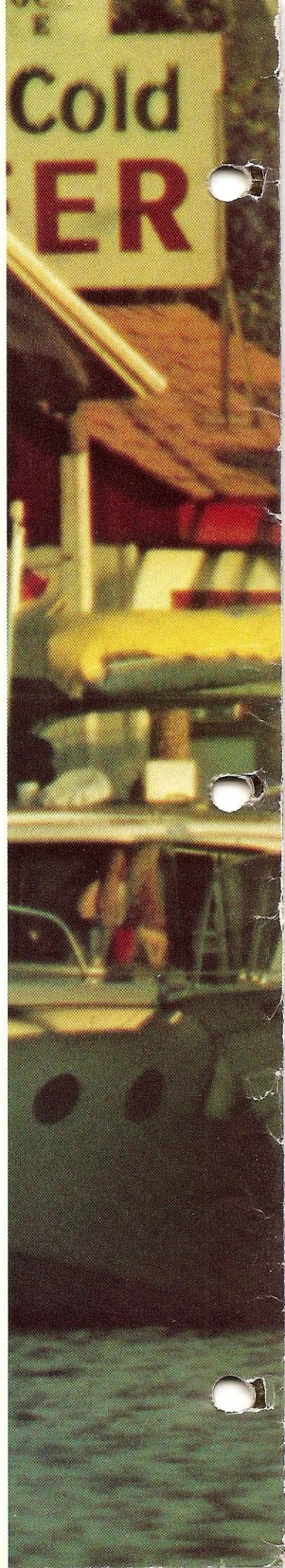
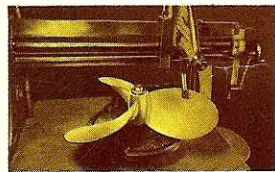


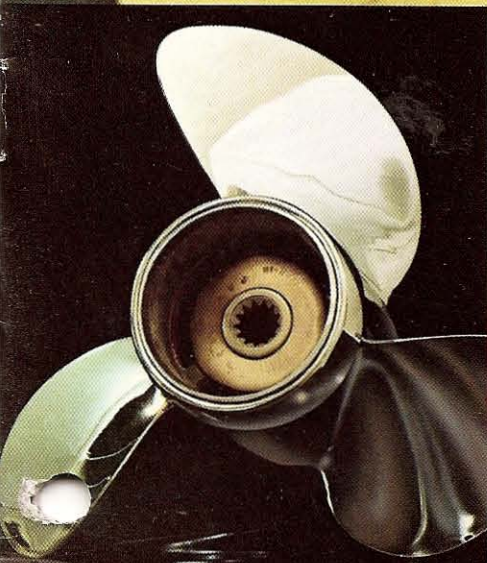
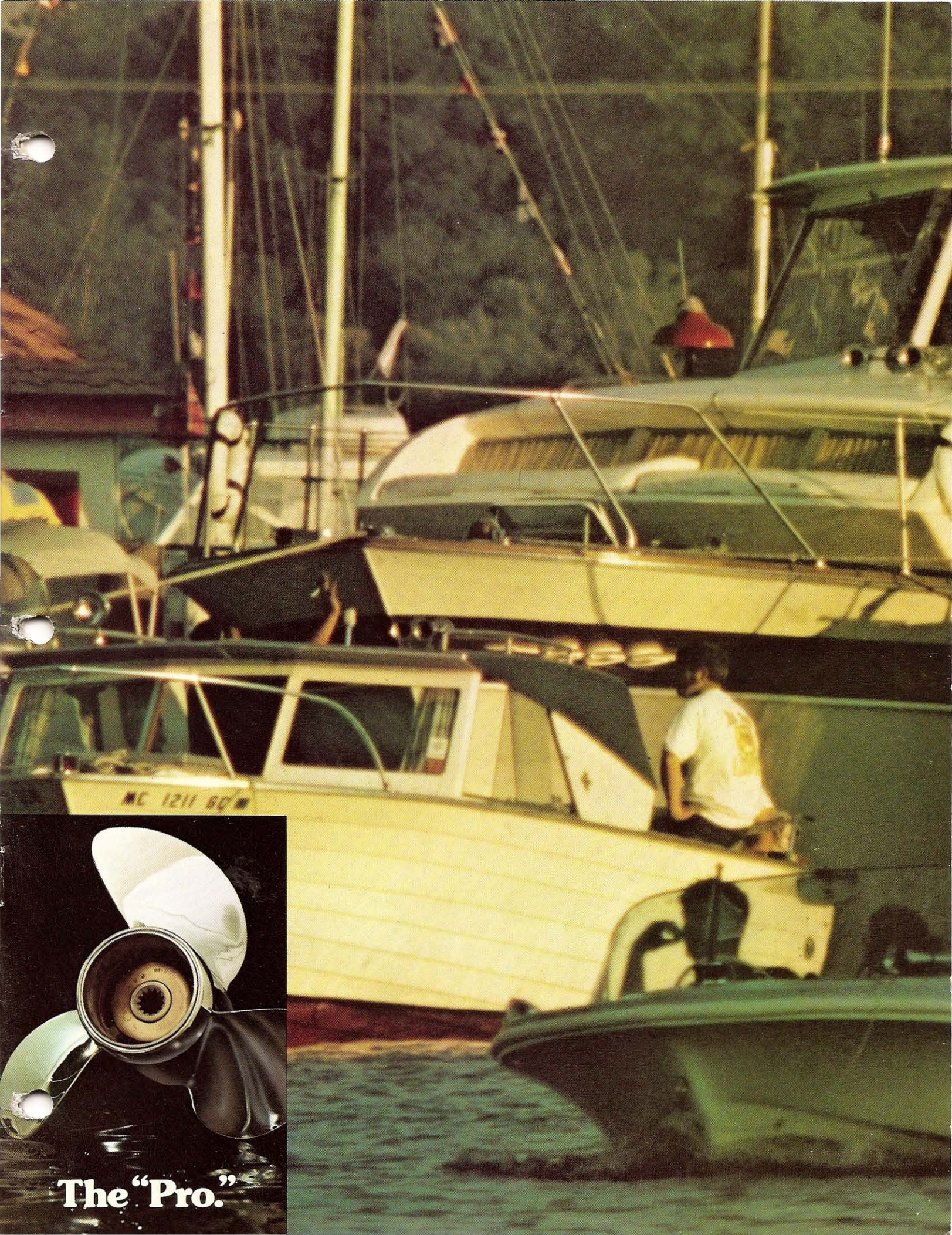
and this helps prevent breakage. To make our replacement propellers the very best you can buy, we work closely with manufacturers to match — and often surpass — original equipment standards. With a Michigan propeller, you get the strongest cushion hubs in the industry. They're virtually unbreakable.

Our warranty. Every new Michigan propeller is guaranteed against defects in both material and workmanship, without exception or qualification. Such defects are very, very rare — and our rigid inspection system is designed to find what few there are. But should a Michigan propeller with any defect whatsoever in workmanship or material get into your hands, return it immediately for a replacement.

We're just as interested as you are that the Michigan propeller on your boat give you... perfect performance.

The "Pro." It's new and it's the premium speed propeller we designed to give you toughness, beauty, repairability and performance that surpasses anything ever offered before! Cast of tough Ni-Bral, this prop is heavily chrome plated and polished to mirror brilliance. The Ni-Bral alloy means you get unusual durability combined with the ready repairability you'd expect from bronze. And the hard, polished chrome skin adds brilliant, lasting beauty. The Pro was specifically engineered to get extra performance out of popular motors like Johnson-Evinrude 50-135 HP in thru-hub design, Mercury 80-150 HP, Chrysler 70-130 HP — also OMC and Mercruiser stern drives.

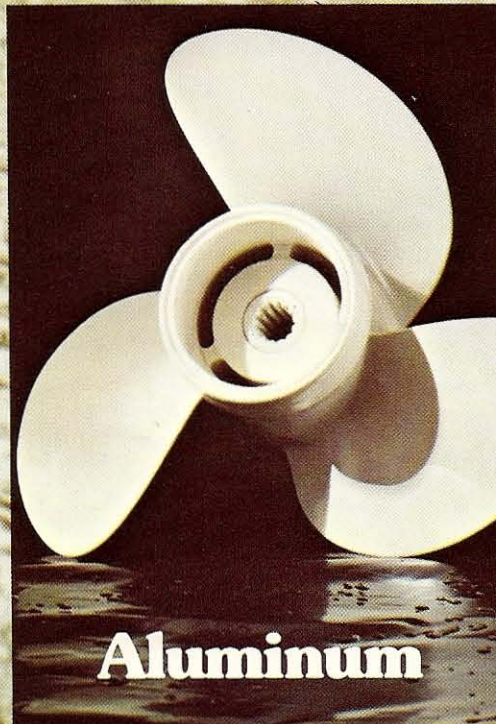




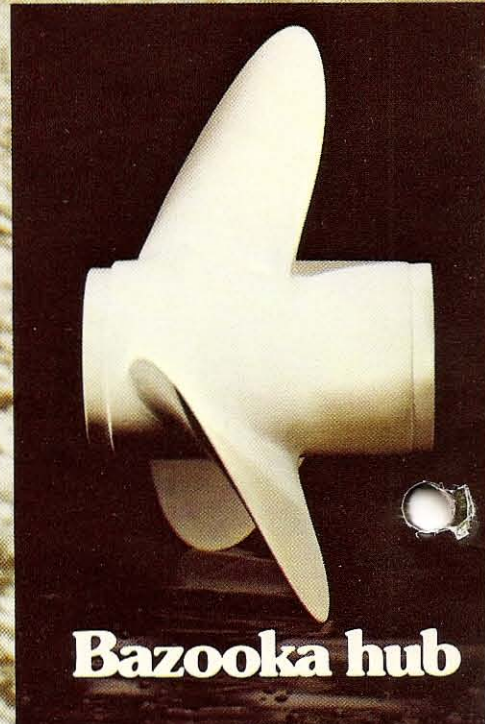
The "Pro."



Bronze



Aluminum



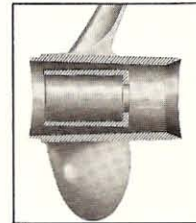
Bazooka hub

The Michigan propeller.

Bronze. Michigan bronze props are stronger, easier to repair than almost any other wheels. They're guaranteed against blade breakage at the hub for the life of the prop. And, they won't damage the shift mechanism when used as recommended. They're machined-pitch constructed of Michalloy-K Bronze, and feature our exclusive cushion hub, where required, for gear-shift motors.

Aluminum. Michigan aluminum props offer you greater strength, better reparability, and remarkable operating characteristics — in a wide range of styles and sizes. All at costs comparable to original die-cast wheels. We sand-cast our aluminum, to keep it from being brittle. Blades can bend under impact, instead of break. (Ordinary pot metal wheels commonly have a tensile strength of not more than 22,000 lbs. psi; with ½% elongation, which is rarely repairable.) The alloy in Michigan aluminum props has a tensile strength of 40,000 lbs. psi; yield strength of 20,000 lbs. psi; and 9% elongation. Finished in an extremely hard, durable enamel.

Bazooka hub. This Michigan "breakthrough" in exhaust hubs, combined with the other superior features of Michigan wheels, often provides speed increases of several MPH



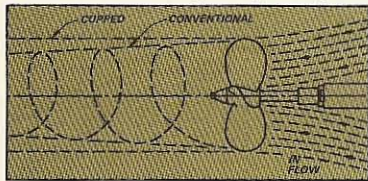
over original equipment types. The Bazooka design secret is a venturi shaped internal flare, which produces an exhaust sucking action with no flaring or flange along the hub diameter. There's nothing to cause drag, or reduce speed. Available in aluminum and bronze, for most major engine makes.

The Michigan propeller.

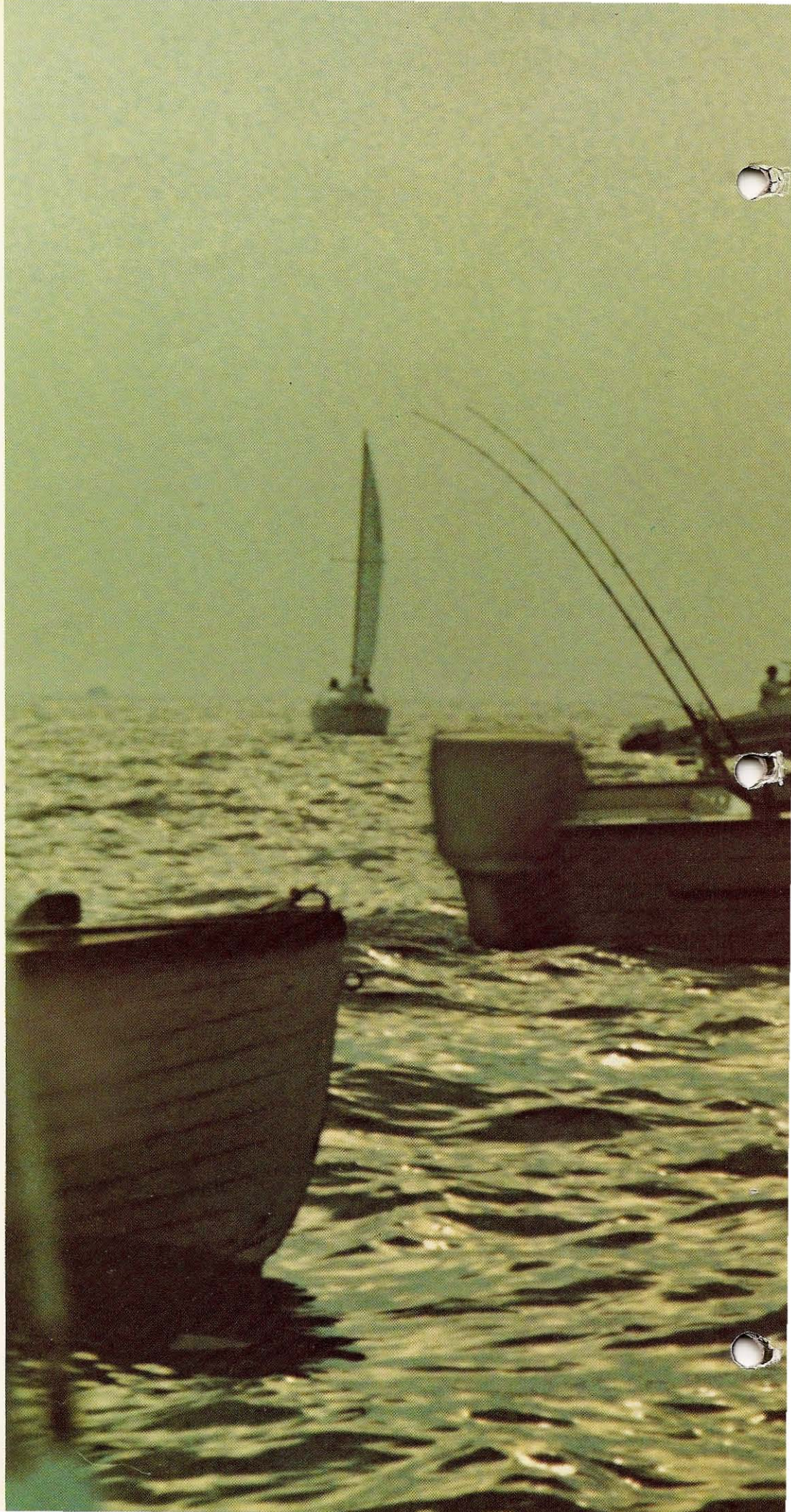
Economy. Even our economy priced wheels are better than other propellers of the same type. They're made from sand-cast aluminum, which isn't brittle. Instead the blades *bend* under impact. (Not true of ordinary pot metal wheels, which can throw blades and are rarely repairable.) Michigan Economy props are made of an aluminum alloy with a tensile strength of 40,000 lbs. psi; yield strength of 20,000 lbs. psi; and elongation of 9%. They're coated with an extremely hard enamel finish, and feature Michigan's super strong cushion hubs where required.

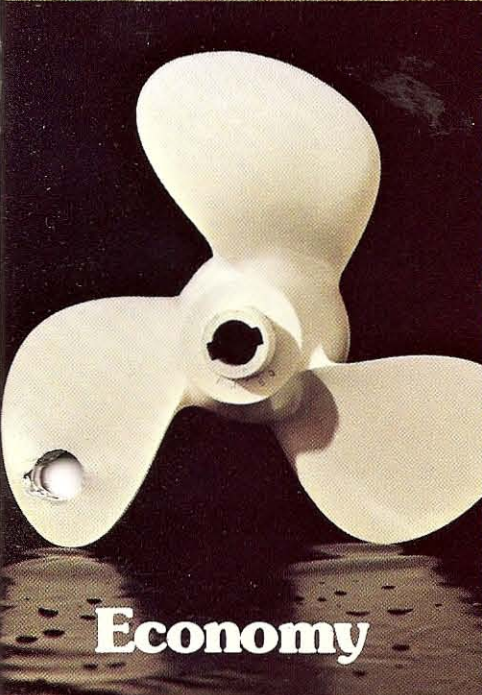
Prop-rider. You just can't top the performance of this revolutionary design! On planing boats you'll usually get better speed and performance than with any other conventional prop. If you've got a lightweight boat, you'll get even more dramatic results. Our engineers did it with a special pitch generation, where the center of pitch doesn't coincide with the center of rotation — producing a concave blade section. This kind of styling means you can run these props higher on the transom, with tilt-pin set up one notch — to cut down drag and add maneuverability, all with reduced cavitation. Available in a wide range of sizes for a broad selection of engines. In bronze or aluminum.

Cupped edge. The fastest wheels in the west, east, north or south! Made for light, fast hulls — this cupped design increases speeds on fast bottom boats, eliminates vibration and cavitation, and gives you acceleration and pickup like you



never had before. The cupping consists of a slight, but critically accurate turning of the trailing edge of the blades — which increases jet stream volume and reduces slippage, or cavitation. These cupped props can also be run on transoms 1" to 3" higher, and that gives you greater speed by reducing drag. Most propellers in this catalog can be ordered with cupped blade edges, in either bronze or aluminum.





Economy



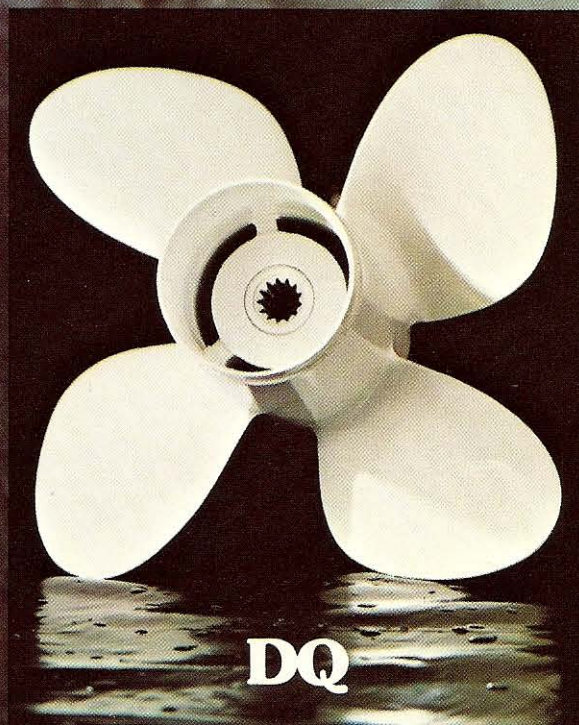
Prop-rider



Cupped edge

The Michigan propeller.

DQ. We've taken our popular in-board Dyna-Quad 4-blade design and perfected it for outboards! These props really do the job for heavy-load boats with engines of 40 HP and over — by providing faster acceleration, greater maneuverability and reduced vibration. Because the blades are closer together, the possibility of damage is considerably lessened. This design is perfect for house-boats, and large outboards where good load carrying performance is important. Available in a broad range of sizes, including the famous Prop-rider line. Cast of easily repairable high-strength aluminum.



Michigan accessories.

No. 516 & 530 sliding motor brackets (for standard transoms). For trolling or auxiliary motors on high transom boats. Bracket width 11". Natural mahogany finish, with sand-cast aluminum brackets.

- #516 (motors up to 10HP) — 18" rails \$30.00
- #516A (motors up to 10HP) — 24" rails \$35.00
- #530 (motors up to 25HP) — 18" rails \$47.00
- #530A (motors up to 25HP) — 24" rails \$52.00



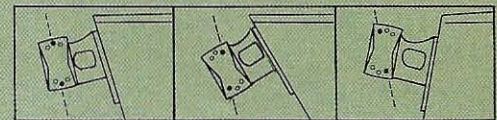
RAISED POSITION — motor stored without creating drag.

OPERATING POSITION — motor quickly lowered to correct height for full power.

REMOVABLE BRACKET can remain attached to motor. Only rails are permanently anchored to boat. Extra rails available.

New 540 adjustable troll bracket (for non-standard transoms). For use on inboards, outboards, stern drives and sailboats (including sailboats with reverse transoms). Adjusts 10 degrees from center, fore and aft. 11" wide for motors up to 13 HP. Natural mahogany finish, with sand-cast aluminum brackets.

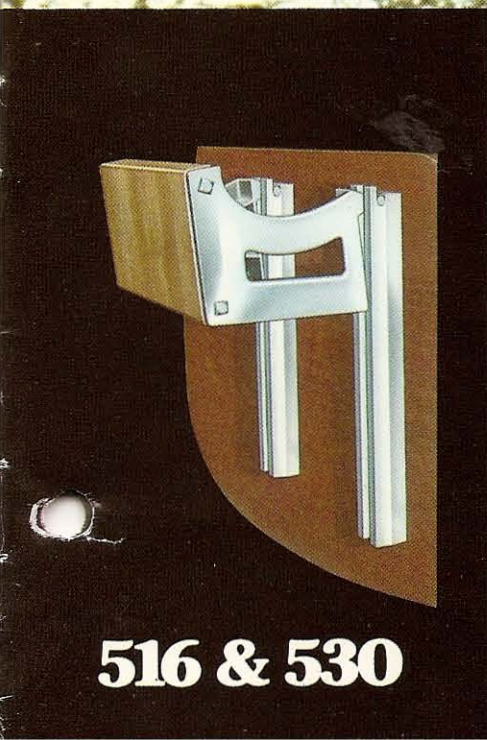
- #540—18" rails \$34.00. #540A—24" rails \$39.00



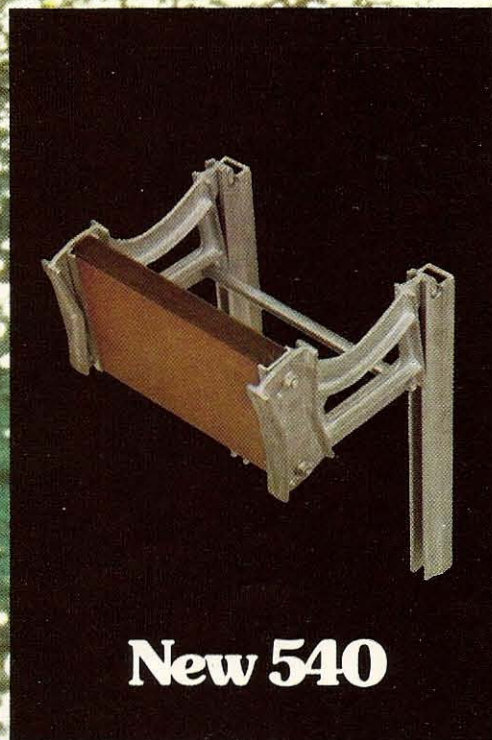
No. 525 & 527 motor bracket. Permanent mount for auxiliary or trolling motors. Natural hard maple finish, with sand-cast aluminum brackets.

- #525 (motors to 10HP) 8½" width \$17.00
- #527 (motors to 25HP) 11" width \$28.00

No. 608 prop puller. Designed to quickly remove the occasional tight fitting prop. This model is for thru-hub-exhaust outboard props. #608—\$15.00



516 & 530

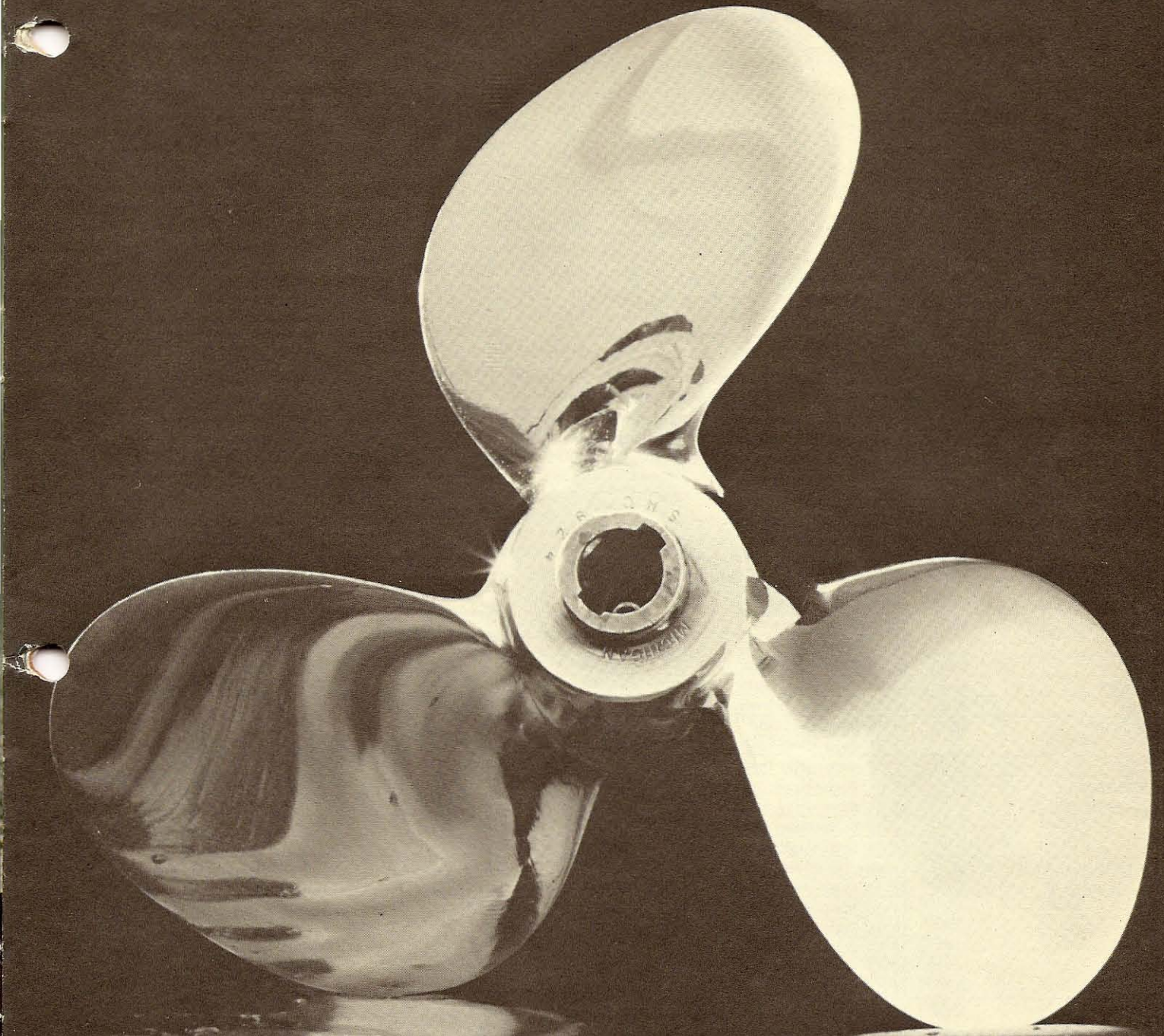


New 540



525 & 527

No. 608



The Michigan propeller 1973.

selector & price list

Outboard.

This 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 alphabetically in the

first column...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 fit-

ting your situation. Opposite this, in the remaining columns, you will see the recommended wheels in Bronze and Aluminum with their prices.

Economy props

MOTOR & MODEL	YEAR	BOAT SIZE AND RECOMMENDATION	OMC PART NO.	PART NO.	BLADES	DIA. & PITCH	PRICE
EVINRUDE-JOHNSON-GALE—PAINTED ALUMINUM							
3-4 HP—Anglematic	55-73	Standard Replacement	203919	PJ3	3	6½x 4½	\$ 6.00
3-4 HP—Right Angle	64-73	Standard Replacement	310208	PJ5	3	8 x 4½	6.00
		12'-14' Boats—Light Loads	315858	PJ6	3	8 x 5½	6.00
5 HP	65-68	12'-14' Boats—Light Loads	380104	PJ7	3	8 x 7½	7.50
5½-6 HP	56-65	12'-14' Boats—Light Loads	376968	PJ300	2	8 x 7¼	7.00
6 HP	66-73	12'-14' Boats—Light Loads	380958	PJ8	2	8 x 7¼	8.50
9½-10 HP	56-73	14'-16' Boats—All Loads	383315	PJ11	3	8¼x 8	10.50
		12'-14' Boats—Light Loads	377635	PJ10	3	8¼x 8½	10.50
10 HP	50-57	12'-14' Boats—Light Loads	377083	PJ9	3	9 x 8	12.50
14-15-18-20 HP Also 25 HP-1969-73	50-73	12'-14' Boats—Heavy Loads	383629	PJ16	3	9 x10	12.60
		12'-14' Boats—Heavy Loads	381801	PJ17	3	9 x10½	12.60
		14'-16' Boats—Heavy Loads	379717	PJ19	3	9 x 9	12.60
		12'-14' Boats—Light Loads	377636	PJ18	3	9¼x11	13.70
22-28-30-33-35-40 HP Also 25 HP-51-55	51-73	Cruisers, Houseboats, Sailboats		PJ41	3	10½x10	17.10
		17'-19' Boats—All Loads, Skis	378581	PJ31	3	10½x11½	17.10
		14'-16' Boats—All Loads, Skis	378580	PJ30	3	10½x12½	17.10
		14'-16' Boats—All Loads, Skis	380637	PJ32	3	10½x12	17.10
		14'-16' Boats—Light Loads	378579	PJ35	3	10½x13¼	17.10
		12'-14' Boats—Light Loads	378571	PJ40	3	10½x14	17.10
		14'-16' Boats—Light Loads	384460	PJ42	3	10½x13	17.10
50 HP Also 60-65 HP with Heavy Duty Gear Case	58-68	Cruisers, Houseboats, Sailboats		PJ51	3	13 x 8	26.00
		Cruisers, Houseboats, Sailboats		PJ52	3	13 x 9	26.00
		Cruisers, Houseboats, Sailboats		PJ56	3	13¼x 9	26.00
		20'-24' Boats—All Loads		PJ53	3	13 x10	26.00
		14'-16' Boats—All Loads, Skis	278155	PJ50	3	12½x14	22.40
60-65-75-80-85-90 HP	60-68	17'-19' Boats—All Loads, Skis	379260	PJ74*	3	10 x 9¼	16.80
		17'-19' Boats—All Loads, Skis	378040	PJ75	3	10¼x10	19.00
		17'-19' Boats—All Loads, Skis	593437	PJ78	3	9½x10	16.80
		16'-17' Boats—All Loads, Skis	377978	PJ76	3	10 x11	16.80
		16'-17' Boats—All Loads, Skis	381446	PJ73*	3	10 x11	16.80
		14'-16' Boats—All Loads, Skis	378039	PJ77	3	10 x12	16.80
		*Small Hub Prop—uses special Small Nut—Part No. NP74 at \$1.00 list					
50-55-60-65-80-85-100- 115-125-135 HP Thru Hub Exhaust Props With Diffuser Ring	68-73	17'-19' Boats—All Loads, Skis	382762	PJ79	3	14 x13	29.50
		17'-19' Boats—All Loads, Skis	382763	PJ80	3	13¾x15	29.50
		14'-16' Boats—All Loads, Skis	382764	PJ81	3	13¾x17	29.50
		14'-16' Boats—Light Loads	382765	PJ82	3	13 x19	29.50
		12'-14' Boats—Light Loads	382766	PJ83	3	13 x21	29.50
		Light Runabouts—Light Loads	384136	PJ84	3	12¾x23	29.50
GALE 12-14-15 HP	51-63	12'-14' Boats—All Loads, Skis	376737	PJ14	3	9 x11	11.60

Chrysler

		BRONZE				ALUMINUM			
MOTOR & MODEL	YEAR	BOAT SIZE AND RECOMMENDATION	PART NO.	BLADES DIA. & PITCH	PRICE	PART NO.	BLADES DIA. & PITCH	PRICE	
3.5-3.6 HP	64-73	Standard Replacement				G20	2 7½x 4½	\$ 7.50	
4.4-5 HP	68-70	Standard Replacement				PC4	2 7 x 4¾	12.60	
6 HP	71-73	Standard Replacement				PC9	2 8 x 5	12.60	
5½-6 HP	56-59	Standard Replacement				GC54	2 7½x 7	10.40	
6 HP	64-67	Standard Replacement				GC54	2 7½x 7	10.40	
6-6.6-7-8 HP	68-73	Standard Replacement				PC6	2 7½x 6¼	12.60	
7½-9.2 HP	56-67	Cruisers, Houseboats, Sailboats				AMC320	3 8 x 5½	14.20	
		14'-16' Boats—All Loads, Skis	AMC302	3 8 x 7	\$16.30				
9.9 HP	68-73	12'-14' Boats—Light Loads				GC55	2 8 x 8	11.00	
		Light Runabouts—Light Loads				PC14	2 8 x 8¾	12.60	
		Standard Replacement				PC12	2 8¼x 8¼	12.60	
12.9 HP	71-73	14'-16' Boats—All Loads, Skis				PC10	2 8¼x 8	12.60	
		Standard Replacement				PC20	3 8½x 8¼	14.20	
16-20 HP	59-67	17'-19' Boats—All Loads, Skis				AMC359	3 8½x 7½	18.90	
		Standard Replacement				AMC365	3 8½x 8½	18.90	
20-25 HP	68-73	14'-16' Boats—All Loads, Skis				AMC353	3 8½x 9	18.90	
		Standard Replacement				AMC490	3 8½x 8½	18.90	
		14'-16' Boats—All Loads, Skis	PR5	3 8½x 8	23.10	PR4	3 8½x 8	19.50	
		12'-14' Boats—Light Loads	PR9	3 8½x10	23.10	PR8	3 8½x10	19.50	
40-50 HP	61-65	12'-14' Boats—Light Loads	PR11	3 8½x11	23.10	PR10	3 8½x11	19.50	
		16'-17' Boats—All Loads, Skis	SMC714	3 10½x12	29.40	SMC715	3 10½x12	20.50	
		14'-16' Boats—All Loads, Skis				SMC713	3 10½x13	20.50	
30-35-45-50-55 HP Splined Shaft	66-73	Cruisers, Houseboats, Sailboats				AMC308	3 10½x10	20.50	
		17'-19' Boats—All Loads, Skis	PR131	3 10¼x11	33.60	PR130	3 10¼x11	22.00	
		16'-17' Boats—All Loads, Skis	PR133	3 10¼x12	33.60	PR132	3 10¼x12	22.00	
		14'-16' Boats—All Loads, Skis	PR135	3 10¼x13	33.60	PR134	3 10¼x13	22.00	
		14'-16' Boats—Light Loads	PR137	3 10¼x14	33.60	PR136	3 10¼x14	22.00	
		Light Runabouts—Light Loads	PR139	3 10¼x15	33.60	PR138	3 10¼x15	22.00	
		12'-14' Boats—Light Loads	AJC310	2 10½x15	32.30	AJC311	2 10½x15	20.80	
75 HP Splined Shaft	66-67	20'-24' Boats—One Engine				SMC73	3 12½x11	30.00	
		17'-19' Boats—All Loads, Skis				SMC74	3 12½x12	30.00	
		16'-17' Boats—All Loads, Skis				SMC76	3 12½x13	30.00	
		14'-16' Boats—All Loads, Skis				SMC78	3 12½x14	30.00	
80 HP	61-65	Cruisers, Houseboats, Sailboats				PJ51	3 13 x 8	26.00	
		20'-24' Boats—One Engine				SMC69	3 12½x12	28.90	
		17'-19' Boats—All Loads, Skis				SMC61	3 12½x13	28.90	
		16'-17' Boats—All Loads, Skis				PJ50	3 12½x14	22.40	
		14'-16' Boats—All Loads, Skis				SMC65	3 12½x15	28.90	
105 HP Splined Shaft	66-67	Cruisers, Houseboats, Sailboats				SMC82	3 13 x12	33.60	
		20'-24' Boats—One Engine				SMC84	3 13 x13	33.60	
		17'-19' Boats—All Loads, Skis				SMC86	3 13 x14	33.60	
		16'-17' Boats—All Loads, Skis				SMC88	3 13 x15	33.60	
70-75-85-105 HP Splined Shaft For 70-75-85 HP Reduce Pitch 2"	68-70	Cruisers, Houseboats	PR64	3 13 x13	50.00	PR65	3 13 x13	34.70	
		20'-24' Boats—One Engine	PR66	3 13 x14	50.00	PR67	3 13 x14	34.70	
		17'-19' Boats—All Loads, Skis	PR68	3 13 x15	50.00	PR69	3 13 x15	34.70	
		16'-17' Boats—All Loads, Skis	PR70	3 13 x16	50.00	PR71	3 13 x16	34.70	
		14'-16' Boats—All Loads, Skis	PR54	3 13 x18	50.00	PR55	3 13 x18	34.70	
		12'-14' Boats—Light Loads				PR57	3 13 x19	34.70	
70-85-105-120-130 HP For 70-85 HP Reduce Pitch 2"	70-73	Light Runabouts—Light Loads	AJC84	2 13 x19	50.00	AJC85	2 13 x19	34.70	
		Cruisers, Houseboats	PR75	3 13½x11	51.50	PR74	3 13½x11	37.60	
		20'-24' Boats—One Engine	PR77	3 13½x13	51.50	PR76	3 13½x13	37.60	
		17'-19' Boats—All Loads, Skis	PR79	3 13½x15	51.50	PR78	3 13½x15	37.60	
		16'-17' Boats—All Loads, Skis	PR81	3 13½x17	51.50	PR80	3 13½x17	37.60	
		14'-16' Boats—All Loads, Skis	PR83	3 13½x19	51.50	PR82	3 13½x19	37.60	
		14'-16' Boats—Light Loads	PR-85	3 13½x21	51.50	PR84	3 13½x21	37.60	
		Light Runabouts—Light Loads	AJC720	2 13 x21	51.00	AJC722	2 13 x21	37.30	
		Light Runabouts—Light Loads	AJC724	2 13 x23	51.00	AJC726	2 13 x23	37.30	

Clinton

		BRONZE			ALUMINUM			
MOTOR & MODEL	YEAR	BOAT SIZE AND RECOMMENDATION	PART NO.	BLADES DIA. & PITCH	PRICE	PART NO.	BLADES DIA. & PITCH	PRICE
2-3-3½-4-5 HP	60-73	Standard Replacement				C15	2 7 x 4½	\$ 9.30
7 HP	60-73	Standard Replacement				C18	2 7 x 5	9.30
9.9 HP	73	Standard Replacement				PJ11	3 8¼x 8	10.50

OUTBOARD

Elgin-Sears				BRONZE		ALUMINUM				
MOTOR & MODEL	YEAR	BOAT SIZE AND RECOMMENDATION	PART NO.	BLADES	DIA. & PITCH	PRICE	PART NO.	BLADES	DIA. & PITCH	PRICE
4 HP	60-69	Standard Replacement					SA10	2	7 $\frac{1}{2}$ x 6	\$ 7.60
		Cruisers, Houseboats, Sailboats					SA12	2	7 $\frac{1}{2}$ x 5	9.50
3, 3.5, 3.6, 4, 4.5, 5-5 $\frac{1}{2}$ -7-7 $\frac{1}{2}$ HP	70-73	Standard Replacement					G20	2	7 $\frac{1}{2}$ x 4 $\frac{1}{2}$	7.50
		Standard Replacement					G30	2	7 $\frac{1}{2}$ x 5 $\frac{1}{2}$	7.50
7 $\frac{1}{2}$ HP	60	12'-14' Boats—Light Loads					G45	3	6 $\frac{3}{4}$ x 6 $\frac{1}{2}$	9.50
		Light Runabouts—Light Loads					SAC371	3	6 x 6	14.70
9HP	67-70	Standard Replacement					AJC63	2	6 x 8	10.40
		14'-16' Boats—All Loads, Skis					SMC23	3	8 $\frac{1}{4}$ x 8 $\frac{1}{2}$	14.70
12-14 HP	60-70	14'-16' Boats—Light Loads	AMC533	3	8 $\frac{1}{4}$ x 8	\$18.90	SMC24	3	8 $\frac{1}{4}$ x 7 $\frac{1}{2}$	14.70
		Standard Replacement					AMC535	3	8 $\frac{1}{4}$ x 8 $\frac{1}{2}$	12.60
25-28 HP	60-70	14'-16' Boats—All Loads, Skis	SMC849	3	9 x 9	24.20	AMC532	3	8 $\frac{1}{4}$ x 9	12.60
		Standard Replacement					SMC848	3	9 x 9	17.30
35 HP	1965	14'-16' Boats—All Loads, Skis	AJC518	2	9 $\frac{1}{2}$ x11 $\frac{1}{2}$	24.20	PS25	3	9 x10	16.30
		Light Runabouts—Light Loads					SMC715	3	10 $\frac{1}{2}$ x12	20.50
40-45 HP	59-70	17'-19' Boats—All Loads, Skis	SMC714	3	10 $\frac{1}{2}$ x12	29.40	SMC635	3	10 x10	20.50
		16'-17' Boats—All Loads, Skis	SMC638	3	10 x11	26.80	SMC637	3	10 x11	20.50
60-75 HP	59-70	14'-16' Boats—All Loads, Skis	SMC640	3	10 x12	26.80	PS40	3	10 x12 $\frac{1}{2}$	18.40
		14'-16' Boats—Light Loads					SMC641	3	10 x13	20.50
Cruisers, Houseboats, Sailboats		20'-24' Boats—One Engine					PS76	3	11 $\frac{1}{2}$ x 8	22.00
		17'-19' Boats—All Loads, Skis					PS74	3	11 $\frac{1}{2}$ x10	22.00
16'-17' Boats—All Loads, Skis		14'-16' Boats—All Loads, Skis	SMC628	3	11 $\frac{1}{2}$ x12	42.00	PS73	3	11 $\frac{1}{2}$ x11	22.00
		14'-16' Boats—Light Loads					PS71	3	11 $\frac{1}{2}$ x12	22.00
14'-16' Boats—All Loads, Skis							PS72	3	11 $\frac{1}{2}$ x13	22.00
							PS70	3	11 $\frac{1}{2}$ x14	22.00

Eska				BRONZE		ALUMINUM				
MOTOR & MODEL	YEAR	BOAT SIZE AND RECOMMENDATION	PART NO.	BLADES	DIA. & PITCH	PRICE	PART NO.	BLADES	DIA. & PITCH	PRICE
3 $\frac{1}{2}$ HP	60-73	Standard Replacement					G20	2	7 $\frac{1}{2}$ x 4 $\frac{1}{2}$	\$ 7.50
5 HP	60-73	Standard Replacement					G30	2	7 $\frac{1}{2}$ x 5 $\frac{1}{2}$	7.50
7-7 $\frac{1}{2}$ HP	60-73	Standard Replacement					G45	3	6 $\frac{3}{4}$ x 6 $\frac{1}{2}$	9.50

Evinrude-Johnson-Gale				BRONZE		ALUMINUM				
MOTOR & MODEL	YEAR	BOAT SIZE AND RECOMMENDATION	PART NO.	BLADES	DIA. & PITCH	PRICE	PART NO.	BLADES	DIA. & PITCH	PRICE
100 HP	66-68	Cruisers, Houseboats					PR116	3	14 x10	\$45.70
		Cruisers, Houseboats					DQ218	4	14 x10	57.80
		20'-24' Boats—One Engine					PR115	3	14 x11	45.70
		20'-24' Boats—One Engine	PR119	3	14 x12	\$67.20	PR118	3	14 x12	45.70
		17'-19' Boats—All Loads, Skis	PR104	3	13 x14	52.00	PR105	3	13 x14	45.70
		16'-17' Boats—All Loads, Skis	PR106	3	12 $\frac{1}{2}$ x15	52.00	PR107	3	12 $\frac{1}{2}$ x15	45.70
		14'-16' Boats—All Loads, Skis	PR108	3	12 $\frac{1}{2}$ x16	52.00	PR109	3	12 $\frac{1}{2}$ x16	45.70
		14'-16' Boats—Light Loads					PR111	3	12 $\frac{1}{2}$ x17	45.70
		Light Runabouts—Light Loads					PR113	3	12 $\frac{1}{2}$ x18	45.70
		Light Runabouts—Light Loads	AJC223	2	13 $\frac{1}{2}$ x18	54.30				
60, 65, 75, 80, 85, 90 HP	60-68	Barges, Heavy Boats					SMC865	3	10 $\frac{1}{2}$ x 6	20.80
		20'-24' Boats—One Engine	SMC863	3	10 $\frac{1}{2}$ x 8	34.70	SMC864	3	10 $\frac{1}{2}$ x 8	20.80
		17'-19' Boats—All Loads, Skis	SMC861	3	10 $\frac{1}{4}$ x 9	34.70	SMC862	3	10 $\frac{1}{4}$ x 9	20.80
		17'-19' Boats—All Loads, Skis	SMC855	3	10 $\frac{1}{4}$ x10	34.70	PJ75	3	10 $\frac{1}{4}$ x10	19.00
		16'-17' Boats—All Loads, Skis	SMC857	3	10 $\frac{1}{2}$ x11	34.70	PJ76	3	10 x11	16.80
		14'-16' Boats—All Loads, Skis	SMC859	3	10 x12	34.70	PJ77	3	10 x12	16.80
		14'-16' Boats—Light Loads					SMC867	3	10 x13	20.80
		12'-14' Boats—Light Loads					SMC869	3	10 x14	20.80

(Cont.)

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
50-55-60-65 HP Thru Hub Exhaust	68-73	Cruisers, Houseboats					DQ320	4	14 x10	\$40.50
		Cruisers, Houseboats	PR291	3	14 x11	\$69.30	PR290	3	14 x11	33.60
		17'-19' Boats—All Loads, Skis					DQ328	4	14 x12	40.50
		17'-19' Boats—All Loads, Skis					PR288	3	14 x13	33.60
		16'-17' Boats—All Loads, Skis					DQ336	4	14 x14	40.50
		16'-17' Boats—All Loads, Skis	PR287	3	13½x15	69.30	PR286	3	13½x15	33.60
		14'-16' Boats—All Loads, Skis	PR285	3	13½x17	69.30	PR284	3	13½x17	33.60
		14'-16' Boats—Light Loads	PR283	3	13½x19	69.30	PR282	3	13½x19	33.60
		12'-14' Boats—Light Loads	PR281	3	13½x21	69.30	PR280	3	13½x21	33.60
		Light Runabouts—Light Loads	AJC320C	2	13¾x21	69.30	AJC321C	2	13¾x21	35.70
		Light Runabouts—Light Loads	AJC322C	2	13¾x23	69.30	AJC323C	2	13¾x23	35.70
		Light Runabouts—Light Loads	AJC324C	2	13¾x25	69.30	AJC325C	2	13¾x25	35.70
85-100-115-125-135 HP Thru Hub Exhaust	68-73	Cruisers, Houseboats	PR291	3	14 x11	69.30	PR290	3	14 x11	33.60
		Cruisers, Houseboats					DQ320	4	14 x10	40.50
		20'-24' Boats—One Engine					PR288	3	14 x13	33.60
		20'-24' Boats—One Engine					DQ328	4	14 x12	40.50
		19'-21' Boats—All Loads, Skis	PR287	3	13½x15	69.30	PR286	3	13½x15	33.60
		19'-21' Boats—Light Loads					DQ336	4	14 x14	40.50
		17'-19' Boats—Light Loads	PR285	3	13½x17	69.30	PR284	3	13½x17	33.60
		14'-16' Boats—Light Loads	PR283	3	13½x19	69.30	PR282	3	13½x19	33.60
		14'-16' Boats—Light Loads	PR281	3	13½x21	69.30	PR280	3	13½x21	33.60
		Light Runabouts—Light Loads	AJC320-C	2	13¾x21	69.30	AJC321-C	2	13¾x21	35.70
		Light Runabouts—Light Loads	AJC322-C	2	13¾x23	69.30	AJC323-C	2	13¾x23	35.70
		Light Runabouts—Light Loads	AJC324-C	2	13¾x25	69.30	AJC325-C	2	13¾x25	35.70
50 HP Also 60-65 HP with Heavy Duty Gear Case	58-68	Cruisers, Houseboats, Sailboats					PJ51	3	13 x 8	26.00
		17'-19' Boats—All Loads, Skis					SMC69	3	12½x12	28.90
		16'-17' Boats—All Loads, Skis					SMC61	3	12½x13	28.90
		14'-16' Boats—All Loads, Skis					PJ50	3	12½x14	22.40
		14'-16' Boats—Light Loads					SMC65	3	12½x15	28.90
22, 28, 30, 33, 35, 40 HP Also 25 HP—51-55	51-73	Barges, Extra Heavy Boats	SMC48	3	10½x 8	29.40	SMC47	3	10½x 8	20.50
		20'-24' Cruisers—One Engine	PR91	3	10½x10	31.50	PR90	3	10½x10	22.00
		17'-19' Boats—All Loads, Skis	PR93	3	10½x11	31.50	PR92	3	10½x11	22.00
		17'-19' Boats—All Loads, Skis	AMC464	4	10 x11	32.60	AMC444	4	10 x11	26.80
		16'-17' Boats—All Loads, Skis	PR95	3	10½x12	31.50	PR94	3	10½x12	22.00
		16'-17' Boats—All Loads, Skis					AMC445	4	10 x12	26.80
		Weedless					JWC41	2	10¾x12½	22.60
		14'-16' Boats—All Loads, Skis	PR97	3	10½x13	31.50	RR96	3	10½x13	22.00
		12'-14' Boats—Light Loads	AJC467	2	10½x16	31.50	AJC469	2	10½x16	22.00
		20'-24' Boats—One Engine					AMC384	3	11 x10	28.40
		12'-14' Boats—Light Loads	PR101	3	10½x15	31.50	PR100	3	10½x15	22.00
		14'-16' Boats—Light Loads	PR99	3	10½x14	31.50	PR98	3	10½x14	22.00
14, 15, 18, 20 HP Also 25 HP—1969-73	50-73	Cruisers, Houseboats, Sailboats	SMC38	3	9½x 7	23.10	SMC39	3	9½x 7	16.30
		16'-17' Boats—All Loads, Skis					AMC448	4	9 x 9	22.10
		Weedless	EWC18	3	9 x10	23.10	EWC19	3	9 x10	16.30
		16'-17' Boats—All Loads, Skis	PR21	3	8¾x 9	23.10	PR20	3	8¾x 9	16.30
		14'-16' Boats—All Loads, Skis	PR23	3	8¾x10	23.10	PR22	3	8¾x10	16.30
		14'-16' Boats—Light Loads	PR25	3	8¾x11	23.10	PR24	3	8¾x11	16.30
		12'-14' Boats—Light Loads	PR27	3	8¾x12	23.10	PR26	3	8¾x12	16.30
Light Runabouts—Light Loads	AJC417	2	9½x12	23.10	AJC418	2	9½x12	16.30		
9½-10 HP	58-73	20'-24' Boats—Sailboats					SMC12	3	8¾x 6½	14.20
		14'-16' Boats—All Loads, Skis	SMC15	3	8¾x 8	21.50	PJ11	3	8¾x 8	10.50
		Weedless	JWC12	3	8¾x 8	21.50	JWC13	3	8¾x 8	14.70
		14'-16' Runabouts—Light Loads	SMC17	3	8¾x 9	21.50	SMC18	3	8¾x 9	14.20
Light Runabouts—Light Loads	AJC175	2	8 x10	21.00						
6 HP	66-73	Sailboats					AMC424	3	8 x 4½	11.00
		14'-16' Boats—Light Loads	AMC421	3	7¾x 6½	14.70	AMC422	3	7¾x 6½	11.00
		12'-14' Boats—Light Loads	AMC423	3	7¾x 7	14.70				
5½-6 HP	56-65	14'-16' Boats—Light Loads	AM430	3	7¾x 6½	14.70	AM431	3	7¾x 6½	11.00
		12'-14' Boats—Light Loads	AM433	3	7¾x 7	14.70				
Weedless						JWC5	3	7¾x 6½	11.00	
5 HP	65-70	14'-16' Boats—Light Loads					AMC419	3	7¾x 6½	11.00
		12'-14' Boats—Light Loads					PJ7	3	8 x 7½	7.50
3-4 HP Right Angle Drive	64-73	Standard Replacement					PJ5	3	8 x 4½	6.00
		Light Runabouts—Light Loads					PJ6	3	8 x 5½	6.00
3-4 HP Anglematic	55-73	Standard Replacement					PJ3	3	6½x 4½	6.00

OUTBOARD

(Homelite) Bearcat

BRONZE

ALUMINUM

MOTOR & MODEL	YEAR	BOAT SIZE AND RECOMMENDATION	PART NO.	BLADES	DIA. & PITCH	PRICE	PART NO.	BLADES	DIA. & PITCH	PRICE
55-85 HP (Use Cupped Version For 85 HP Model At \$4.50 Net Extra.)	62-73	Cruisers, Houseboats, Sailboats					PS76	3	11½x 8	\$22.00
		Cruisers, Houseboats, Sailboats					AMC712	4	11½x 8	42.50
		20'-24' Boats—One Engine					PS75	3	11½x 9	22.00
		17'-19' Boats—All Loads, Skis					PS74	3	11½x10	22.00
		16'-17' Boats—All Loads, Skis					PS73	3	11½x11	22.00
		14'-16' Boats—All Loads, Skis	SMC628	3	11½x12	\$42.00	PS71	3	11½x12	22.00
		14'-16' Boats—Light Loads				PS72	3	11½x13	22.00	

Mc Culloch-Scott-Aero

BRONZE

ALUMINUM

MOTOR & MODEL	YEAR	BOAT SIZE AND RECOMMENDATION	PART NO.	BLADES	DIA. & PITCH	PRICE	PART NO.	BLADES	DIA. & PITCH	PRICE
3½-4 HP	46-73	Standard Replacement					SA10	2	7¾x 6	\$ 7.60
		Heavy Boats, Sailboats					SA12	2	7¾x 5	9.50
7½ HP Weedless	60-73	12'-14' Boats—Light Loads					SAC371	3	6 x 6	14.70
		Light Runabouts—Light Loads					AJC63	2	6 x 8	10.40
7½ HP Straight Lower Unit— Right Hand	63-70	14'-16' Boats—All Loads, Skis					SMC22	3	8¾x 5	14.70
		Standard Replacement					SMC20	3	8¾x 6½	14.70
9 HP	67-73	Houseboats, Sailboats					SMC22	3	8¾x 5	14.70
		Standard Replacement					SMC23	3	8¾x 8½	14.70
		14'-16' Boats—All Loads, Skis					SMC24	3	8¾x 7½	14.70
12-14.1 HP	60-67	14'-16' Boats—Light Loads	AMC533	3	8¾x 8	\$18.90				
		Standard Replacement					AMC535	3	8¾x 8½	12.60
		Light Runabouts—Light Loads					AMC532	3	8¾x 9	12.60
22-25-27.7-28 HP	58-67	14'-16' Boats—All Loads, Skis	SMC849	3	9 x 9	24.20	SMC848	3	9 x 9	17.30
		14'-16' Boats—Light Loads					PS25	3	9 x10	16.30
		Light Runabouts—Light Loads	AJC518	2	9½x11½	24.20				
30-33-40 HP Left Hand Prop	55-58	16'-17' Boats—All Loads, Skis					SMC647	3	10 x11	20.50
		14'-16' Boats—All Loads, Skis					SMC649	3	10 x12	20.50
40-43.7-45 HP Right Hand Prop	59-69	17'-19' Boats—All Loads, Skis					SMC635	3	10 x10	20.50
		16'-17' Boats—All Loads, Skis	SMC638	3	10 x11	26.80	SMC637	3	10 x11	20.50
		14'-16' Boats—All Loads, Skis	SMC640	3	10 x12	26.80	PS40	3	10 x12	18.40
		14'-16' Boats—Light Loads					SMC641	3	10 x13	20.50
60-75.2 HP	58-69	Barges, Extra Heavy Boats					PS76	3	11½x 8	22.00
		Cruisers, Houseboats—One Engine					PS75	3	11½x 9	22.00
		20'-24' Boats—One Engine					PS74	3	11½x10	22.00
		17'-19' Boats—All Loads, Skis					PS73	3	11½x11	22.00
		16'-17' Boats—All Loads, Skis	SMC628	3	11½x12	42.00	PS71	3	11½x12	22.00
		14'-16' Boats—All Loads, Skis					PS72	3	11½x13	22.00
		14'-16' Boats—Light Loads					PS70	3	11½x14	22.00

Mercury

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— (68-73)	Standard Replacement						PM16	48-47940A1	2	8¾x 6	\$10.50
39— (64-67)	Standard Replacement						PM4	48-31214A1	2	8 x 6	10.50
60— (68)	Standard Replacement						PM18	48-47938A1	2	7¾x 8	10.50
	Heavy Boats, Sailboats						PM17	48-47944A1	3	8¾x 5	11.60
60— (61-67)	14'-16' Boats—All Loads						PM4	48-31214A1	2	8 x 6	10.50
	Standard Replacement						PM6	48-31105A1	2	8 x 8	10.50
Mark 28, 28A, 200-250 (58-62)	14'-16' Boats—All Loads, Skis						PM27	48-28037A1	3	9¾x 9	18.90
	14'-16' Boats—Light Loads						PM28	48-28036A1	2	9½x11	17.90
	12'-14' Boats—Light Loads						PM29	48-28038A1	2	9½x12	17.90
Mark 30 (56-58)	14'-16' Boats—All Loads, Skis	AMC507		3	9½x10	\$32.60	AMC506		3	9½x10	28.40
	12'-14' Boats—Light Loads						AJC570		2	9 x12	21.00
Merc 75-110 (68-73)	Standard Replacement						PM21	48-47922A1	2	9 x 9	10.50
	Light Runabouts—Light Loads						PM19	48-47926A1	2	9 x10	10.50
	14'-16' Boats—All Loads, Skis						PM20	48-47670A1	3	9 x 7	18.90

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MERCURY (Cont.)

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	
Merc 110—(62-67)	14'-16' Boats—All Loads, Skis						PM11	48-32364A1	2	9 x 9	\$10.50	
	12'-14' Boats—Light Loads						PM10	48-31504A1	2	9 x10	10.50	
Merc 200—(63-73)	14'-16' Boats—All Loads, Skis						PM26	48-33482A1	3	9½x 9	18.90	
	Standard Replacement						PM30	48-33480A1	2	10 x11	17.90	
Mark 58, 58A, 400, 500, 50, 55, 35A, 300, 350 (56-61) 11 Spline	16'-17' Boats—All Loads, Skis	AMC581S	48-22105A2	3	10 x10	\$39.90	AMC580S	48-22575A2	3	10 x10	27.80	
	14'-16' Boats—All Loads, Skis	AMC578S		3	10 x11	39.90	AMC577S		3	10 x11	27.80	
	14'-16' Boats—All Loads, Skis						PM56	48-29985A2	2	10½x10	20.00	
	14'-16' Boats—Light Loads						PM55	48-22914A2	2	10½x12	20.00	
300, 350, 400, 450, 500, (62-69) Prop Exhaust	Cruisers, Houseboats, Sailboats	PR30	48-32192A1	3	10¼x 9	45.20	PR31	48-32194A1	3	10¼x 9	26.30	
	17'-19' Boats—All Loads, Skis	PR32	48-33772A1	3	10¼x10	45.20	PR33	48-33774A1	3	10¼x10	26.30	
	16'-17' Boats—All Loads, Skis	PR34		3	10¼x11	45.20	PR35	48-38098A1	3	10¼x11	26.30	
	14'-16' Boats—All Loads, Skis	PR36		3	10¼x12	45.20	PR37	48-38094A1	3	10¼x12	26.30	
	14'-16' Boats—Light Loads	PR38		3	10¼x13	45.20	PR39	48-38090A1	3	10¼x13	26.30	
	12'-14' Boats—Light Loads						PR43	48-38086A1	3	10¼x15	26.30	
	<i>These propellers also fit Carniti (Italy)</i>	17'-19' Boats—All Loads, Skis	AJC476	48-32188A1	2	10½x11	36.80	PM502	48-32190A1	2	10½x11	23.10
		14'-16' Boats—All Loads, Skis	AJC478	48-32184A1	2	10½x12	36.80	PM501	48-32186A1	2	10½x12	23.10
		12'-14' Boats—Light Loads	AJC482	48-32178A1	2	10½x15	36.80	PM500	48-32182A1	2	10½x13	23.10
	400-402-500 (70-73) Prop Exhaust	Cruisers, Houseboats	PR330	48-56262A1	3	10¼x 9	45.20	PR331	48-56248A1	3	10¼x 9	26.30
20'-24' Boats—All Loads		PR332	48-56260A1	3	10¼x10	45.20	PR333	48-56246A1	3	10¼x10	26.30	
17'-19' Boats—All Loads, Skis		PR334		3	10¼x11	45.20	PR335	48-56244A1	3	10¼x11	26.30	
16'-17' Boats—All Loads, Skis		PR336		3	10¼x12	45.20	PR337	48-56240A1	3	10¼x12	26.30	
14'-16' Boats—All Loads, Skis		PR338		3	10¼x13	45.20	PR339	48-56236A1	3	10¼x13	26.30	
14'-16' Boats—Light Loads		PR342		3	10¼x15	45.20	PR343	48-56232A1	3	10¼x15	26.30	
17'-19' Boats—All Loads, Skis		AJC876	48-56258A1	2	10½x11	36.80	PM582	48-56242A1	2	10½x11	23.10	
16'-17' Boats—All Loads, Skis		AJC878	48-56256A1	2	10½x12	36.80	PM581	48-56238A1	2	10½x12	23.10	
14'-16' Boats—All Loads, Skis		AJC880	48-56254A1	2	10½x13	36.80	PM580	48-56234A1	2	10½x13	23.10	
14'-16' Boats—Light Loads		AJC882	48-56252A1	2	10½x15	36.80						
12'-14' Boats—Light Loads		AJC884	48-56250A1	2	10½x17	36.80						
12'-14' Boats—Light Loads		PR344		3	10¼x17	45.20	PR345	48-56230A1	3	10¼x17	26.30	
Light Runabouts—Light Loads		PR346		3	10¼x19	45.20	PR347	48-56228A1	3	10¼x19	26.30	
Mark 78, 78A, 75, 75A, 600 (57-60)		16'-17' Boats—All Loads, Skis	SMC874		3	12½x13	43.00					
	14'-16' Boats—All Loads, Skis						SMC885		3	12½x15	30.00	
	14'-16' Boats—Light Loads						PM78	48-29295A1	2	13½x15	24.20	
Merc 650 (72-73)	12'-14' Boats—Light Loads						PM513	A-48-61824A1	3	10¼x16	31.50	
	14'-16' Boats—Light Loads						PM518	A-48-61820A1	3	11¼x14	31.50	
	15'-17' Boats—All Loads, Skis						PM524	A-48-61816A1	3	11¼x12	31.50	
	18'-21' Boats—All Loads						PM530	A-48-61812A1	3	12¼x10	31.50	
650-700A-800-800A-850-900-950 (61-73)	Cruisers, Houseboats						DQ430		4	13 x10	40.50	
	Cruisers, Houseboats						PR151	48-35936A3	3	13 x11	31.50	
	19'-21' Boats—All Loads						DQ438		4	13 x12	40.50	
	17'-19' Boats—All Loads, Skis						PR153	48-32392A3	3	13 x13	31.50	
	16'-17' Boats—All Loads, Skis	PR154	48-31460A3	3	13 x15	63.00	PR155	48-32390A3	3	13 x15	31.50	
	14'-16' Boats—All Loads, Skis	PR156	48-31458A3	3	13 x17	63.00	PR157	48-32264A3	3	13 x17	31.50	
	14'-16' Boats—All Loads	PR158	48-53898A3	3	13 x19	63.00	PR159	48-32750A3	3	13 x19	31.50	
	16'-17' Boats—All Loads, Skis						AJC588	48-31074A2	2	13½x15	27.80	
	14'-16' Boats—All Loads	AJC626	48-29658A3	2	13½x17	63.00	PM801	48-31072A2	2	13½x17	28.00	
	14'-16' Boats—Light Loads	AJC628	48-31456A3	2	13½x19	63.00	PM800	48-32388A3	2	13½x19	28.00	
	Light Runabouts—Light Loads	AJC630	48-49630A3	2	13½x21	63.00	PM1000	48-49632A3	2	13½x21	28.00	
	1000, 1100, 1150, 1250-1350-1400-1500 (61-73)	Cruisers, Houseboats						DQ430		4	13 x10	40.50
		20'-24' Boats—One Engine						DQ438		4	13 x12	40.50
20'-24' Boats—One Engine							PR151	48-35936A3	3	13 x11	31.50	
17'-19' Boats—All Loads, Skis							PR153	48-32392A3	3	13 x13	31.50	
16'-17' Boats—All Loads, Skis		PR154	48-31460A3	3	13 x15	63.00	PR155	48-32390A3	3	13 x15	31.50	
14'-16' Boats—All Loads, Skis		PR156	48-31458A3	3	13 x17	63.00	PR157	48-32264A3	3	13 x17	31.50	
14'-16' Boats—Light Loads		PR158	48-32748A3	3	13 x19	63.00	PR159	48-32750A3	3	13 x19	31.50	
12'-14' Boats—Light Loads		PR160	48-32744A3	3	13 x21	63.00	PR161	48-32746A3	3	13 x21	31.50	
Light Runabouts—Light Loads		PR162	48-52006A3	3	13 x23	63.00	PR163	48-52008A3	3	13 x23	31.50	
Light Runabouts—Light Loads		PR164	48-52010A3	3	13 x25	63.00	PR165	48-52012A3	3	13 x25	31.50	
16'-17' Boats—All Loads, Skis		AJC626	48-29658A3	2	13½x17	63.00	PM801	48-31072A1	2	13½x17	28.00	
14'-16' Boats—All Loads, Skis		AJC628	48-31456A3	2	13½x19	63.00	PM800	48-31080A1	2	13½x19	28.00	
12'-14' Boats—Light Loads		AJC630	48-31452A3	2	13½x21	63.00	PM1000	48-31454A3	2	13½x21	28.00	
Light Runabouts—Light Loads		AJC632	48-31450A3	2	13½x23	63.00						

OUTBOARD

Ward's Sea King			BRONZE				ALUMINUM			
MOTOR & MODEL	YEAR	BOAT SIZE AND RECOMMENDATION	PART NO.	BLADES	DIA. & PITCH	PRICE	PART NO.	BLADES	DIA. & PITCH	PRICE
2, 3½, 4-5 HP	70-73	Standard Replacement					C15	2	7 x 4½	\$ 9.30
3½ HP	64-69	Standard Replacement					G20	2	7½x 4½	7.50
5-6 HP	64-70	Standard Replacement					GC54	2	7½x 7	10.40
6 HP	71-73	Standard Replacement					PC9	2	8 x 5	12.60
7 HP	70-73	Standard Replacement					C18	2	7 x 5	9.30
8-9-9.2 HP	64-69	Cruisers, Houseboats, Sailboats					AMC320	3	8 x 5½	14.20
		14'-16' Boats—All Loads, Skis	AMC302	3	8 x 7	\$16.30				
		Standard Replacement					GC55	2	8 x 8	11.00
9.6-9.9 HP	70-73	Standard Replacement					PC12	2	8½x 8½	12.60
		14'-16' Boats—All Loads, Skis					PC10	2	8½x 8	12.60
		Light Runabouts—Light Loads					PC14	2	8 x 8½	12.60
20 HP	64-67	17'-19' Boats—All Loads, Skis					AMC359	3	8½x 7½	18.90
		Standard Replacement					AMC365	3	8½x 8½	18.90
		14'-16' Boats—Light Loads					AMC353	3	8½x 9	18.90
20 HP Splined Shaft	68-73	Standard Replacement					AMC490	3	8½x 8½	18.90
		14'-16' Boats—All Loads, Skis	PR5	3	8½x 8	23.10	PR4	3	8½x 8	19.50
		12'-14' Boats—Light Loads	PR9	3	8½x10	23.10	PR8	3	8½x10	19.50
45-50 HP	64-65	16'-17' Boats—All Loads, Skis	SMC714	3	10½x12	29.40	SMC715	3	10½x12	20.50
		14'-16' Boats—All Loads, Skis					SMC713	3	10½x13	20.50
35-45-50-55 HP Splined Shaft	66-73	Cruisers, Houseboats, Sailboats					AMC308	3	10½x10	20.50
		17'-19' Boats—All Loads, Skis	PR131	3	10½x11	33.60	PR130	3	10½x11	22.00
		16'-17' Boats—All Loads, Skis	PR133	3	10½x12	33.60	PR132	3	10½x12	22.00
		14'-16' Boats—All Loads, Skis	PR135	3	10½x13	33.60	PR134	3	10½x13	22.00
		14'-16' Boats—Light Loads	PR137	3	10½x14	33.60	PR136	3	10½x14	22.00
		Light Runabouts—Light Loads	PR139	3	10½x15	33.60	PR138	3	10½x15	22.00
		Light Runabouts—Light Loads	AJC310	2	10½x15	32.30	AJC311	2	10½x15	20.80
80 HP	64-69	Cruisers, Houseboats					PJ51	3	13 x 8	26.00
		20'-24' Boats—One Engine					SMC69	3	12½x12	28.90
		17'-19' Boats—All Loads, Skis					SMC61	3	12½x13	28.90
		16'-17' Boats—All Loads, Skis					PJ50	3	12½x14	22.40
		14'-16' Boats—All Loads, Skis					SMC65	3	12½x15	28.90

West Bend-Wizard (see Chrysler)

Miscellaneous

MOTOR & MODEL	YEAR	PART NO.	BLADES	DIA. & PITCH	METAL	PRICE	MOTOR & MODEL	YEAR	PART NO.	BLADES	DIA. & PITCH	METAL	PRICE
CHAMPION							MERCURY (Cont.)						
Single & Twin	39-42	P51	2	7½x 6½	Al	\$ 8.10	10 HP KF7 KG7	49-52	AJ55	2	8½x10	Br	\$22.00
4.2 HP	46-53	P90	2	8 x 5½	Al	10.50	Mark 20-25	52-58	AMC503	3	9 x 9	Al	26.80
7.9 HP	48-50	P120	2	8 x10	Al	11.00	KH7		AJC550	2	9 x11	Al	21.00
ELGIN							Mark 50-55	54-56	AMC580	3	10 x10	Al	27.80
5-5½-6 HP	47-55	G40	2	7½x 7½	Al	10.00	14 spline						
5½ HP	56-59	GC54	2	7½x 7	Al	10.40	MUNCIE						
7½ HP	49-55	G50	2	7½x 8½	Al	10.00	1.2 and 1.5 HP	47-73	E40	2	6 x 5	Al	8.10
7½ HP	56-59	GC55	2	8 x 8	Al	11.00	2 and 2.5 HP	33-41	M10	2	7½x 5½	Al	10.50
25 HP	55-57	G92	3	10½x12	Al	22.00	3½-5 HP	41-51	M70	2	6½x 5	Al	10.50
EVINRUDE-JOHNSON							McCULLOCH-SCOTT						
7½ HP	54-58	AM417	3	8 x 7	Br	14.70	5 HP BailAMatic	54-59	SAC40	2	7½x 6	Al	10.50
		AM416	3	8 x 8	Al	11.00	7½ HP	46-53	SA7	3	7½x 8	Al	14.70
10 HP	50-57	AMC264	3	8½x 8½	Al	16.30	7½ HP	54-59	SAC50	2	8 x 7	Al	10.50
FAGEOL-CROFTON							BailAMatic						
35-45 HP	56-60	SMC647	3	10 x11	Al	20.50	10 HP	54-59	SAC60	2	8½x10	Al	13.10
LAUSON							BailAMatic						
2½-3 HP	40-57	L30	2	7½x 5½	Al	10.00	16 HP	50-55	SAC30	3	9½x 6½	Al	19.50
MARTIN							Right Hand						
75-60-66 HP	46-51	Q10	2	8 x 8	Al	12.00	16 HP	56-57	SMC35	3	8½x 8	Al	19.40
MERCURY							BailAMatic (LH)						
3½-5 HP	49-55	K70	2	6¾x 6½	Al	10.50	WEST BEND (CHRYSLER)						
6 HP	40-47	K15	2	7½x 7	Al	10.50	5-5½-6 HP	47-48	G40	2	7½x 7½	Al	10.00
6 HP	55-60	K74	2	7½x 7	Al	10.50	7½-8 HP	49-55	G50	2	7½x 8½	Al	10.00
7½ HP Mark 7	47-55	K50	2	7½x 8	Al	10.50	12 HP	55-64	AMC355	3	8½x 8	Al	19.50
10 HP KE 7	47-52	K40	3	7½x 9	Al	14.70	25-30 HP	55-57	G92	3	10½x12	Al	22.00
							25-35 HP	58-63	SMC703	3	10½x12	Al	20.50

The "Pro" Hi-Strength Ni-Bral - Chrome-Plated

OUTBOARD					STERN DRIVE				
MOTOR & MODEL	PART NO.	BLADES	DIA. & PITCH	PRICE	MOTOR & MODEL	PART NO.	BLADES	DIA. & PITCH	PRICE
Johnson-Evinrude 50-55-60-65-80-85-100-115-125-135 HP	PRO-983	3	13 x21	\$79.50	Outboard Marine (OMC)—Large Gear Case—Model 14	PRO-824	3	14 x18	\$79.50
	PRO-982	3	13 x19	79.50		PRO-822	3	14 x16	79.50
	PRO-981	3	13½x17	79.50		PRO-820	3	14 x14	79.50
	PRO-980	3	13¾x15	79.50		Mercury Mercruiser 1A-1B-1C-888	PRO-782	3	15 x23
Mercury 650-700A-800-1000-1100-1150-800A-850-900-950-1250-1350-1400-1500	PRO-861	3	13 x21	79.50	PRO-780	3	15½x21	95.00	
	PRO-859	3	13 x19	79.50	PRO-778	3	15½x19	95.00	
	PRO-857	3	13 x17	79.50					
Chrysler 70-85-105-120-130 HP	PRO-882	3	13¾x19	79.50					
	PRO-880	3	13¾x17	79.50					

Racing props

Propellers listed are for racing engines with a suggested diameter and pitch. Suggested sizes are based on the minimum legal weights for each class and for sea level, or near sea level operation. Because these categories are not like anything else available on the market, the propellers 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 this listing is offered as a guide, and to simplify propeller selection. 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. All propellers listed are supplied in special high-tensile racing bronze alloy and stainless steel, blades thinned for best racing performance, and all incorporate our exclusive cupped blade feature.

COMPETITION RACING ENGINES STOCK AND SPECIAL FUEL					OUTBOARD PLEASURE CRAFT (OPC) RACING PROPS-2 BLADES, SMALL RACING HUB*-HIGH TENSILE BRONZE-CUPPED						
ENGINE	CLASS—GEAR RATIO	DIA. & PITCH	HI-TENSILE BRONZE	STAINLESS STEEL	L-HAND	R-HAND	PRICE	SIZE	L-HAND	R-HAND	PRICE
Anzani	A Hydro—1:1	6½ x 9	\$36.00	\$47.00	CHRYSLER—EVINRUDE—JOHNSON—MERCURY STOCK ENGINES—STOCK LOWER UNITS—70-150 HP			MERCURY "BP"			
Anzani	A Hydro—16:21	7 x 13	36.00	47.00				12 x 19	AJ219	AJ619	\$73.00
Anzani	B Hydro—1:1	6½ x 10½	36.00	47.00				12 x 21	AJ221	AJ621	73.00
Anzani	B Hydro—16:21	7 x 14	36.00	47.00				13 x 19	13 x 19	\$73.00	12 x 23
Champion	A Hydro—14:19	7 x 12	36.00	47.00	13 x 21	13 x 21	73.00	12 x 25	AJ225	AJ625	73.00
Champion	A Utility—14:19	7 x 11	36.00	47.00	13 x 23	13 x 23	73.00	12 x 27	AJ227	AJ627	73.00
Champion	B Hydro—14:19	7 x 13	36.00	47.00	13 x 25	13 x 25	73.00	12 x 29	AJ229	AJ629	73.00
Champion	B Utility—14:19	7 x 12	36.00	47.00	13 x 27	13 x 27	73.00	CHRYSLER 75-135 HP (RACING LOWER UNIT—PIN DRIVE)			
Konig	A Hydro—1:1	6 x 8	36.00	47.00	13 x 29	13 x 29	73.00	10 x 14	AJ319	AJ320	\$52.00
Konig	B Hydro—1:1	6½ x 10	36.00	47.00		14 x 27	73.00	10 x 15	AJ321	AJ322	52.00
Konig	C Hydro—1:1	7¼ x 12	36.00	47.00		14 x 29	73.00	10 x 16	AJ327	AJ328	52.00
Konig	D Hydro—1:1	7¼ x 14	36.00	47.00		14 x 31	73.00	10 x 17	AJ329	AJ330	52.00
Mercury	A Hydro—1:1	6 x 9	36.00	47.00	To order specify size, engine make, model, horsepower.			10 x 18	AJ331	AJ332	52.00
Mercury	A Utility—1:1	6 x 8	36.00	47.00				10 x 18	AJ331	AJ332	52.00
Mercury	A Hydro—16:21	6½ x 10½	36.00	47.00	PART NO. DIA. & PITCH PRICE			EVINRUDE—JOHNSON—GT-115 & X-115			
Mercury	A Utility—16:21	6½ x 9½	36.00	47.00				MERCURY STOCK ENGINES—65-150 HP—ALL RIGHT HAND			13 x 19
Mercury	B Hydro—1:1	6¼ x 9	36.00	47.00	CUP-402	13 x 19	\$75.00				13 x 21
Mercury	B Utility—1:1	6¼ x 8	36.00	47.00	CUP-404	13 x 21	75.00	13 x 23	AJ714	AJ715	77.00
Mercury	B Hydro—16:21	7 x 14	36.00	47.00	CUP-408	13 x 23	75.00	13 x 25	AJ716		77.00
Mercury	B Utility—16:21	7 x 13	36.00	47.00	CUP-410	13 x 25	75.00	13 x 27	AJ718		77.00
Mercury	C Hydro—1:1	7 x 10	36.00	47.00	CUP-422	14 x 23	75.00	13 x 29	AJ720		77.00
Mercury	C Utility—1:1	7 x 9	36.00	47.00	CUP-424	14 x 25	75.00	MERCURY SUP. SPEEDMASTER—OMC STINGER—CHRYSLER (SPLINED SHAFT)			
Mercury	D Hydro—1:1	7¼ x 11	36.00	47.00	CUP-426	14 x 27	75.00	9¾ x 14	AJ291	AJ292	\$61.00
Mercury	D Utility—1:1	7¼ x 10	36.00	47.00	CUP-428	14 x 29	75.00	9¾ x 15	AJ293	AJ294	61.00
Mercury	F Hydro—1:1	8½ x 13	53.00	70.00	CUP-430	14 x 31	75.00	9¾ x 16	AJ295	AJ296	61.00
Mercury	F Utility—1:1	9 x 12	53.00	70.00	*Props prefixed "CUP" have hub exhaust and rubber hub cushion.			9¾ x 17	AJ297	AJ298	61.00
Mercury	J Utility	6¾ x 6½	34.00	—				9¾ x 18	AJ299	AJ300	61.00
J & E	"36" Cu. In.	10 x 15½	47.00	—	Propellers for motors not listed—write for information.						
Chrysler	"36" Cu. In.	10½ x 16	47.00	—							

Stern drive.

The charts below provide "general" propeller recommendations, but because there are so many variables,

such as boat length, hull displacement, condition of use, etc., you may have to experiment with props to find

exactly the right pitch and size for your purpose. Use the recommendations below as a starting point.

Outboard Marine (OMC) Small Gear Case; Marine Drive Systems/Ranger

HP RANGE: 88 TO 120 / RECOMMENDATIONS: (For twin installations increase pitch 2")					
APPROX. HP	BOAT LENGTH			HOUSEBOATS, BARGES	
	THRU 17'	18'-21'	22'-25'		
88-90 HP	10 1/2 x 11	10 1/4 x 10	10 1/4 x 9	10 1/2 x 8	
110-120 HP	10 x 13	10 1/2 x 11	10 1/4 x 10	10 1/2 x 9	
PART NO.	OMC EQUIV. NO.	DIA. & PITCH	BLADES	METAL	PRICE
SMC-855		10 1/4 x 10	3	Bronze	\$34.70
SMC-857		10 1/2 x 11	3	Bronze	34.70
SMC-859		10 x 12	3	Bronze	34.70
SMC-866		10 x 13	3	Bronze	34.70
SMC-867		10 x 13	3	Alum.	20.80
SMC-869		10 x 14	3	Alum.	20.80
SMC-861		10 1/4 x 9	3	Bronze	34.70
SMC-862		10 1/4 x 9	3	Alum.	20.80
SMC-863		10 1/2 x 8	3	Bronze	34.70
SMC-864		10 1/2 x 8	3	Alum.	20.80
SMC-865		10 1/2 x 6	3	Alum.	20.80
PJ-75	378040	10 1/4 x 10	3	Alum.	19.00
PJ-76	377978	10 x 11	3	Alum.	16.80
PJ-77	378039	10 x 12	3	Alum.	16.80
PJ-78	593437	9 1/2 x 10	3	Alum.	16.80
PJ-73*	381446	10 x 11	3	Alum.	16.80
PJ-74*	379260	10 x 9 1/4	3	Alum.	16.80

*Small Hub prop—uses special small nut—part no. NP-74 at \$1.00 list.

Outboard Marine (OMC)

HP RANGE: 80 TO 100 / RECOMMENDATIONS: (For twin installations increase pitch 2")					
APPROX. HP	BOAT LENGTH			HOUSEBOATS	
	THRU 17'	18'-21'	22'-25'		
	13 1/4 x 18	13 1/4 x 16	14 x 14	14 x 12	
PART NO.	OMC EQUIV. NO.	DIA. & PITCH	BLADES	METAL	PRICE
SMC-330	382769	14 x 14	3	Alum.	\$45.70
SMC-332	382770	13 1/4 x 16	3	Alum.	45.70
SMC-334	382771	13 1/4 x 18	3	Alum.	45.70

Outboard Marine (OMC) Model 13 Large Gear Case

HP RANGE: 120 TO 150 / RECOMMENDATIONS: (For twin installations increase pitch 2")					
APPROX. HP	BOAT LENGTH			HOUSEBOATS, BARGES	
	THRU 17'	18'-21'	22'-25'		
120 HP	14 1/4 x 20	14 1/4 x 18	14 1/4 x 16	14 1/4 x 14	
150 HP	14 1/4 x 22	14 1/4 x 20	14 1/4 x 18	14 1/4 x 16	
PART NO.	OMC EQUIV. NO.	DIA. & PITCH	BLADES	METAL	PRICE
SMC-296	380190	14 1/4 x 22	3	Alum.	\$45.70
SMC-300	379652	14 1/4 x 20	3	Alum.	45.70
SMC-304	380189	14 1/4 x 18	3	Alum.	45.70
SMC-305		14 1/4 x 18	3	Bronze	67.20
SMC-308	380188	14 1/4 x 16	3	Alum.	45.70
SMC-312	380074	14 1/4 x 14	3	Alum.	45.70
SMC-316	380187	14 1/4 x 12	3	Alum.	45.70

Outboard Marine (OMC) Model 14 Large Gear Case

HP RANGE: 120 TO 245 / RECOMMENDATIONS: (For twin installations increase pitch 2")					
APPROX. HP	BOAT LENGTH			HOUSEBOATS, BARGES	
	THRU 17'	18'-21'	22'-25'		
120 HP	14 x 16	14 x 14	14 x 12	14 x 11	14 x 8 1/2
150-165 HP	14 x 18	14 x 16	14 1/4 x 14	14 x 12	14 x 10 1/2
185-245 HP	14 x 18	14 x 16	14 x 14	14 x 12	14 x 12 1/2
RIGHT HAND OMC EQUIV. NO.					
PART NO.	(RH ONLY)	DIA. & PITCH	BLADES	METAL	PRICE
SMC-296	380190	14 1/4 x 22	3	Alum.	\$45.70
SMC-300	379652	14 1/4 x 20	3	Alum.	45.70
SMC-304	380189	14 1/4 x 18	3	Alum.	45.70
SMC-308	380188	14 1/4 x 16	3	Alum.	45.70
SMC-312	380074	14 1/4 x 14	3	Alum.	45.70
SMC-316	380187	14 1/4 x 12	3	Alum.	\$45.70
SMC-305		14 1/4 x 18	3	Bronze	67.20
PR-104		13 x 14	3	Bronze	52.00
PR-105	381442	13 x 14	3	Alum.	45.70
PR-115	382676	14 x 11	3	Alum.	45.70
PR-118	382017	14 x 12	3	Alum.	45.70
PR-119		14 x 12	3	Bronze	67.20
PR-120	381185	14 x 14	3	Alum.	45.70
PR-121		14 x 14	3	Bronze	67.20
PR-122	381186	14 x 16	3	Alum.	45.70
PR-123		14 x 16	3	Bronze	67.20
PR-124	381187	14 x 18	3	Alum.	45.70
PR-125		14 x 18	3	Bronze	67.20
PR-126	383287	14 x 20	3	Alum.	45.70
PR-127		14 x 20	3	Bronze	67.20
DQ-210		14 x 8	4	Alum.	57.80
DQ-218		14 x 10	4	Alum.	57.80
DQ-226		14 x 12	4	Alum.	57.80
AJC-223	381465	13 1/2 x 18	2	Bronze	54.30
AJC-227-C*	979896	13 1/4 x 20	2	Bronze	60.00

*Cupped

†4-Blade

Chrysler Model 40

HP RANGE: TO 80 / RECOMMENDATIONS: (For twin installations increase pitch 2")					
APPROX. HP	BOAT LENGTH			HOUSEBOATS, BARGES	
	THRU 17'	18'-21'	22'-25'		
	11 1/2 x 12	11 1/2 x 11	11 1/2 x 9	11 1/2 x 8	
PART NO.	DIA. & PITCH	BLADES	METAL	PRICE	
PS-76	11 1/2 x 8	3	Alum.	\$22.00	
PS-75	11 1/2 x 9	3	Alum.	22.00	
PS-74	11 1/2 x 10	3	Alum.	22.00	
PS-73	11 1/2 x 11	3	Alum.	22.00	
PS-72	11 1/2 x 13	3	Alum.	22.00	
PS-71	11 1/2 x 12	3	Alum.	22.00	
PS-70	11 1/2 x 14	3	Alum.	22.00	

Volvo-Penta Aquamatic 200, 250, 270; Argonaut 200, LTD, AMB

HP RANGE: 110 TO 290 / RECOMMENDATIONS: (For twin installations increase pitch 2")						
APPROX. HP	DRIVE RATIO	BOAT LENGTH			HOUSEBOATS, BARGES	
		THRU 17'	18'-21'	22'-25'		
110-140 HP	1.35:1	13 x 13	13 x 12			
	1.62:1	14 x 17	14 x 16	14 x 15	15 x 12	
	2.15:1	14 x 17	14 x 16	14 x 15	15 x 12	
150-185 HP	1.35:1	14 x 17	14 x 16	15 x 12	15 x 10	
	1.61:1	14 x 21	14 x 19	15 x 16	15 x 14	
	1.89:1	14 x 19	14 x 17	15 x 14	15 x 12	
190-225 HP	1.35:1	14 x 19	14 x 17	15 x 14		
	1.61:1	14 3/4 x 21	16 x 18	16 x 16	16 x 13	
230-290 HP	1.61:1	14 3/4 x 29	14 3/4 x 27	14 3/4 x 25	16 x 14	
LH ROTATION PART NO.	RH ROTATION PART NO.	METAL	DIAMETER	PITCH	BLADES	PRICE
SMC-538	SMC-520	Alum.	13	12	3	\$41.00
SMC-540	SMC-522	Alum.	13	13	3	41.00
SMC-542	SMC-524	Alum.	13	14	3	41.00
SMC-544	—	Alum.	13	15	3	41.00
SMC-550	—	Alum.	14	9	3	43.00
SMC-554	—	Alum.	14	11	3	43.00
SMC-556	SMC-566	Alum.	14	12	3	43.00
SMC-558	SMC-568	Alum.	14	13	3	43.00
SMC-570	SMC-530	Alum.	14	14	3	43.00
SMC-572	SMC-532	Alum.	14	15	3	43.00
SMC-573	—	Bronze	14	15	3	56.70
SMC-574	SMC-534	Alum.	14	16	3	43.00
SMC-576	SMC-536	Alum.	14	17	3	43.00
SMC-548	SMC-549	Alum.	14	19	3	43.00
SMC-578	SMC-608	Alum.	14	21	3	43.00
SMC-579	SMC-609	Bronze	14	21	3	56.70
SMC-590	SMC-580	Alum.	15	10	3	44.10
SMC-592	SMC-582	Alum.	15	11	3	44.10
SMC-594	SMC-584	Alum.	15	12	3	44.10
SMC-606	SMC-604	Alum.	15	13	3	44.10
SMC-488	SMC-489	Alum.	15	14	3	44.10
SMC-490	SMC-491	Alum.	15	15	3	44.10
SMC-596	SMC-586	Alum.	15	16	3	44.10
—	SMC-270*	Alum.	14	19	3	46.10
SMC-288*	SMC-290*	Alum.	15	17	3	46.10
PR-224	PR-226	Alum.	14 3/4	17	3	44.10
PR-232	PR-234	Alum.	14 3/4	19	3	44.10
PR-240	PR-242	Alum.	14 3/4	21	3	44.10
PR-248	PR-250	Alum.	14 3/4	23	3	44.10
PR-256	PR-258	Alum.	14 3/4	25	3	44.10
PR-260	PR-263	Alum.	14 3/4	27	3	44.10
PR-264	PR-265	Alum.	14 3/4	29	3	44.10
PR-397	PR-396	Alum.	16	13	3	56.70
PR-399	PR-398	Alum.	16	14	3	56.70
PR-401	PR-400	Alum.	16	15	3	56.70
PR-403	PR-402	Alum.	16	16	3	56.70
PR-405	PR-404	Alum.	16	17	3	56.70
PR-407	PR-406	Alum.	16	18	3	56.70
PR-409	PR-408	Alum.	16	19	3	56.70
PR-411	PR-410	Alum.	16	20	3	56.70
PR-413	PR-412	Alum.	16	21	3	56.70
PR-415	PR-414	Alum.	16	22	3	56.70
PR-417	PR-416	Alum.	16	23	3	56.70
PR-419	PR-418	Alum.	16	24	3	56.70
DQ-781		Alum.	15	10	4	63.00
DQ-789		Alum.	15	12	4	63.00
DQ-797		Alum.	15	14	4	63.00

NOTE: Hub bushings for above props recommended for max. 240 HP.
*Special wide blade props.

Volvo-Penta 80, 100; Eaton Model A; Muncie 300, 500, 501; Perkins Z; Enfield Transa-Drive (splined shaft)

HP RANGE: 80 TO 155 / RECOMMENDATIONS: (For twin installations increase pitch 2")						
APPROX. HP	DRIVE RATIO	BOAT LENGTH			HOUSEBOATS, BARGES	
		THRU 17'	18'-21'	22'-25'		
80-110 HP	1.1:1	12 1/2 x 13	12 1/2 x 11			
	1.5:1	14 x 14	14 x 12	14 x 11	14 x 9	
	1.8:1	14 x 16	14 x 14	14 x 12	14 x 9	
140-155 HP	1.1:1	12 1/2 x 15	12 1/2 x 13	12 1/2 x 11		
	1.5:1	14 x 16	14 x 14	14 x 12	14 x 9	
	1.8:1	14 x 18	14 x 16	14 x 14	14 x 12	
LEFT HAND PART NO.	RIGHT HAND PART NO.	DIA. & PITCH	BLADES	METAL	PRICE	
SMC-871		12 1/2 x 12	3	Alum.	\$30.00	
SMC-873		12 1/2 x 11	3	Alum.	30.00	
SMC-874		12 1/2 x 13	3	Bronze	43.00	
SMC-875		12 1/2 x 13	3	Alum.	30.00	
SMC-885		12 1/2 x 15	3	Alum.	30.00	
SMC-887		12 1/2 x 14	3	Alum.	30.00	
SMC-891		13 x 13	3	Alum.	34.70	
SMC-900		14 x 16	3	Alum.	40.50	
SMC-898	SMC-911	14 x 14	3	Alum.	40.50	
SMC-892		14 x 13	3	Alum.	40.50	
SMC-906	SMC-909	14 x 12	3	Alum.	40.50	
SMC-899	SMC-786	14 x 9	3	Alum.	40.50	

Volvo-Penta 110; Eaton Model B; Eaton Model C Series 14 (pin drive)

HP RANGE: 110 TO 150 / RECOMMENDATIONS: (For twin installations increase pitch 2")					
DRIVE RATIO	THRU 17'	BOAT LENGTH		HOUSEBOATS, BARGES	
		18'-21'	22'-25'		
1.26:1	13 x 15	14 x 12	14 x 10	14 x 9	
1.47:1	14 x 16	14 x 14	14 x 13	14 x 12	
1.5:1	14 x 16	14 x 14	14 x 13	14 x 12	
LEFT HAND PART NO.	RIGHT HAND PART NO.	DIA. & PITCH	BLADES	METAL	PRICE
AJC-596		13 1/2 x 19	2	Alum.	\$31.50
SMC-929	SMC-944	14 x 16	3	Alum.	40.50
SMC-924		14 x 14	3	Bronze	52.50
SMC-925	SMC-940	14 x 14	3	Alum.	40.50
SMC-922	SMC-982	14 x 13	3	Alum.	40.50
SMC-921	SMC-936	14 x 12	3	Alum.	40.50
SMC-980		14 x 10	3	Alum.	40.50
SMC-915	SMC-930	14 x 9	3	Alum.	40.50
SMC-974		13 x 15	3	Alum.	34.70
SMC-970		13 x 12	3	Alum.	34.70
SMC-917	SMC-960	13 x 13	3	Alum.	34.70
SMC-948		13 x 11	3	Alum.	34.70
SMC-950		12 1/2 x 15	3	Alum.	30.00

Mercury Mercruiser Model 0

HP RANGE: 60 HP / RECOMMENDATIONS: (For twin installations increase pitch 2")					
PART NO.	MERC. EQUIV. NO.	DIA. & PITCH	BLADES	METAL	PRICE
		10 3/4 x 15	10 3/4 x 13	10 3/4 x 11	10 3/4 x 9
PR-31	48-32194A1	10 3/4 x 9	3	Alum.	\$26.30
PR-33	48-33774A1	10 3/4 x 10	3	Alum.	26.30
PR-35	48-38098A1	10 3/4 x 11	3	Alum.	26.30
PR-37	48-38094A1	10 3/4 x 12	3	Alum.	26.30
PR-39	48-38090A1	10 3/4 x 13	3	Alum.	26.30
PR-43	48-38086A1	10 3/4 x 15	3	Alum.	26.30

Mercury Mercruiser 1A, 1B, 1C, 888

HP RANGE: 110 TO 188 / RECOMMENDATIONS: (For twin installations increase pitch 2")					
APPROX. HP	BOAT LENGTH				HOUSEBOATS, BARGES
	THRU 17'	17'-19'	19'-21'	22'-25'	
110-120 HP	15 1/4 x 19C	15 1/4 x 17C	15 1/4 x 15C	15 1/4 x 13C	16 x 10†
140 HP (1.68:1 Gear)	15 1/4 x 21C	15 1/4 x 19C	15 1/4 x 17C	15 1/4 x 15C	16 x 12†
140 HP (2:1 Gear)	15 1/4 x 23C	15 1/4 x 21C	15 1/4 x 19C	15 1/4 x 17C	16 x 14†
150-165 HP	15 1/4 x 23C	15 1/4 x 21C	15 1/4 x 19C	15 1/4 x 17C	16 x 14†
188 HP	15 1/4 x 21C	15 1/4 x 19C	15 1/4 x 17C	15 1/4 x 15C	16 x 12†
RIGHT HAND PART NO.	NEAREST MERC. EQUIVALENT	DIA. & PITCH	BLADES	METAL	PRICE
SMC-504C	48-36018A1	15 1/4 x 13	3	Alum.	\$35.70
SMC-506C	48-36016A1	15 1/4 x 15	3	Alum.	35.70
SMC-508C	48-36014A1	15 1/4 x 17	3	Alum.	35.70
SMC-509C		15 1/4 x 17	3	Bronze	67.20
SMC-510C	48-36012A1/ 48-49634A1	15 1/4 x 19	3	Alum.	\$35.70
SMC-511C		15 1/4 x 19	3	Bronze	67.20
SMC-378	48-58422A1	15 1/2 x 19	3	Alum.	35.70
SMC-512C	48-36010A1	15 1/4 x 21	3	Alum.	35.70
SMC-513C		15 1/4 x 21	3	Bronze	67.20
SMC-380	48-58424A1	15 1/4 x 21	3	Alum.	35.70
SMC-514C	48-36008A1	15 1/4 x 23	3	Alum.	35.70
SMC-382	48-58426A1	15 x 23	3	Alum.	35.70
SMC-384	48-36008A1	15 x 25	3	Alum.	35.70
SMC-516C	48-36028A1	15 1/4 x 25	3	Alum.	35.70
SMC-518C		15 1/4 x 27	3	Alum.	35.70
DQ-548		16 x 12	4	Alum.	46.20
DQ-556		16 x 14	4	Alum.	46.20

NOTE: Propellers in above listing with Suffix "C" have cupped blade edges. These have 2" less pitch than Mercury equivalent part number to turn at same engine RPM.

†4-Blade

Mercury Mercruiser II

HP RANGE: 170 TO 325 / RECOMMENDATIONS: (For twin installations increase pitch 2")						
APPROX. HP	DRIVE RATIO	BOAT LENGTH				HOUSEBOATS, BARGES
		THRU 17'	18'-21'	22'-25'		
170-190 HP	1.33:1	15 1/4 x 17	16 1/4 x 14	16 1/4 x 13	15 1/4 x 13	16 1/4 x 12†
	1.78:1	16 x 25	16 1/2 x 23	16 1/2 x 21	16 x 16	16 1/2 x 16†
225 HP	1.33:1	15 1/4 x 18	16 x 15	16 1/4 x 14	16 1/4 x 13	16 1/4 x 12†
	1.78:1	15 1/4 x 27	16 x 25	16 1/2 x 23	16 x 16	16 1/2 x 16†
300-325 HP	1.33:1	16 1/4 x 19	15 1/4 x 18	15 1/4 x 17	15 1/4 x 13	16 1/4 x 12†
LEFT HAND PART NO.	NEAREST MERC. EQUIVALENT	RIGHT HAND PART NO.	NEAREST MERC. EQUIVALENT	DIA. & PITCH	BLADES	METAL PRICE
SMC-763				15 1/4 x 18	3	Alum. \$63.00
SMC-737	48-31673A1	SMC-721	48-31674A1	15 1/4 x 17	3	Alum. 63.00
SMC-738	48-32301A1			15 1/4 x 13	3	Alum. 63.00
SMC-765		SMC-766		16 x 16	3	Alum. 63.00
SMC-730		SMC-718		16 1/4 x 14	3	Alum. 63.00
SMC-736	48-31671A1	SMC-720	48-31672A1	16 x 15	3	Alum. 63.00
SMC-735	48-31669A1			16 1/4 x 13	3	Alum. 63.00
SMC-729				16 1/4 x 14	3	Alum. 71.40
SMC-803	B48-49973A1			16 x 25	3	Alum. 63.00
SMC-805	B48-49971A1	SMC-804	B48-49972A1	16 1/2 x 23	3	Alum. 63.00
SMC-807	B48-33879A1	SMC-806	B48-33880A1	16 1/2 x 21	3	Alum. 63.00
SMC-809	B48-33881A1	SMC-808	B48-33882A1	16 1/2 x 19	3	Alum. 63.00
DQ-651		DQ-650		16 1/2 x 12	4	Alum. \$75.60
DQ-659		DQ-658		16 1/2 x 14	4	Alum. 75.60
DQ-667		DQ-666		16 1/2 x 16	4	Alum. 75.60

†4-Blade

**Mercury Mercruiser I (62- 63);
Mercruiser 80, 90**

HP RANGE: 80 TO 140 / RECOMMENDATIONS: (For twin installations increase pitch 2")					
APPROX. HP	BOAT LENGTH				HOUSEBOATS, BARGES
	THRU 17'	18'-21'	22'-25'		
80-90 HP	13 x 15	13 x 13	13 x 11	13 x 11	14 x 10†
110 HP	13 x 17	13 x 15	13 x 13	13 x 11	14 x 12†
140 HP	13 x 21	13 x 19	13 x 17	13 x 15	14 x 14†
RIGHT HAND PART NO.	NEAREST MERC. EQUIVALENT	DIA. & PITCH	BLADES	METAL	PRICE
PR-151	C48-35936A3	13 x 11	3	Alum.	\$31.50
PR-153	C48-32392A3	13 x 13	3	Alum.	31.50
PR-155	C48-32390A3	13 x 15	3	Alum.	31.50
PR-157	C48-32264A3	13 x 17	3	Alum.	31.50
PR-159	C48-32750A3	13 x 19	3	Alum.	31.50
PR-161	C48-32746A3	13 x 21	3	Alum.	31.50
PR-163	C48-52008A3	13 x 23	3	Alum.	31.50
PR-165	C48-52012A3	13 x 25	3	Alum.	31.50
DQ-430		14 x 10	4	Alum.	40.50
DQ-438		14 x 12	4	Alum.	40.50

†4-Blade

**Chrysler Drive 90 Model 80, 81;
Muncie Flexidrive No. 302C, 501C, 503,
700 & 900; Marine Drive Systems**

HP RANGE: 110 TO 300 / RECOMMENDATIONS: (For twin installations increase pitch 2")					
APPROX. HP	DRIVE RATIO	BOAT LENGTH		HOUSEBOATS, BARGES	
		18'-21'	22'-25'		
110 HP	2:1	16 x 16	15 x 15	15 1/4 x 13	16 1/4 x 12†
150-155 HP	1.3:1	16 x 16	15 x 15	15 1/4 x 13	16 1/4 x 12†
	1.6:1	15 1/4 x 18	15 1/4 x 17	15 1/4 x 13	16 1/4 x 12†
	2:1	17 x 19	17 x 17	17 x 14	16 1/4 x 14†
175 HP	1.3:1	15 1/4 x 17	15 x 15	16 1/4 x 13	16 1/4 x 14†
	1.6:1	17 x 19	17 x 16	17 x 12	16 1/4 x 12†
200 HP	1.3:1	15 1/4 x 18	16 x 16	16 1/4 x 14	16 1/4 x 14†
	1.6:1	17 x 20	17 x 19	17 x 15	16 1/4 x 16†
225 HP	1.3:1	15 1/4 x 18	16 x 16	17 x 12	16 1/4 x 12†
	1.6:1	17 x 19	17 x 16	17 x 15	16 1/4 x 14†
250-260 HP	1.32:1	15 1/4 x 18	15 1/4 x 17	17 x 13	16 1/4 x 12†
	1.6:1		17 x 18	17 x 16	16 1/4 x 16†
290-300 HP	1.32:1	15 1/4 x 19	15 1/4 x 18	17 x 14	16 1/4 x 14†
	1.6:1		17 x 19	17 x 17	16 1/4 x 16†
LEFT HAND PART NO.	RIGHT HAND PART NO.	DIA. & PITCH	BLADES	METAL	PRICE
SMC-763		15 1/4 x 18	3	Alum.	\$63.00
SMC-737	SMC-721	15 1/4 x 17	3	Alum.	63.00
SMC-738		15 1/4 x 13	3	Alum.	63.00
SMC-765	SMC-766	16 x 16	3	Alum.	63.00
SMC-730	SMC-718	16 1/4 x 14	3	Alum.	63.00
SMC-736	SMC-720	16 x 15	3	Alum.	63.00
SMC-735		16 1/4 x 13	3	Alum.	63.00
SMC-744		17 x 19	3	Alum.	71.40
	SMC-761	17 x 18	3	Alum.	71.40
SMC-750	SMC-751	17 x 17	3	Alum.	71.40
SMC-768	SMC-769	17 x 16	3	Alum.	71.40
SMC-734	SMC-733	17 x 15	3	Alum.	71.40
SMC-773	SMC-774	17 x 12	3	Alum.	71.40
SMC-729		16 1/4 x 14	3	Alum.	71.40
SMC-803		16 x 25	3	Alum.	63.00
SMC-805	SMC-804	16 1/2 x 23	3	Alum.	63.00
SMC-807	SMC-806	16 1/2 x 21	3	Alum.	63.00
SMC-809	SMC-808	16 1/2 x 19	3	Alum.	63.00
DQ-651	DQ-650	16 1/2 x 12	4	Alum.	75.60
DQ-659	DQ-658	16 1/2 x 14	4	Alum.	75.60
DQ-667	DQ-666	16 1/2 x 16	4	Alum.	75.60

†4 Blade

**Dana Sternpowr. Model 91;
Marine Drive Systems**

(WRITE FOR INFORMATION AND SUPPLEMENT CATALOG)



Performance!

Expert answers about how to get it.

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, it may be necessary to select one or two propellers for best results.

Why change propellers?

Stock propellers furnished with most outboards and stern drives 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 its increased friction and wear is harmful. It is equally 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.

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.

Why do outboards and stern drives of the same power sometimes take different prop sizes?

This is due to differences in lower unit gear ratios. These 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 equal, higher rpm engines require smaller props to achieve greater rpm.

Can a change of propeller 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.

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 be determined only by experimenting...get the engine as high as possible, or to the point just before propeller cavitates excessively.

What is the best tilt-setting or shaft angle for my outboard?

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 toward 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.

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 hook-up 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 tends to lift as the result of torque action, and the driver's weight offsets it.

Engine tilt should be such that the prop is horizontal when under way. 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 sitting level. Steering linkage should have enough adequate sized pulleys, properly swiveled and with the right cable tension. Check boat bottom for warping or other distortion which could cause difficulty.

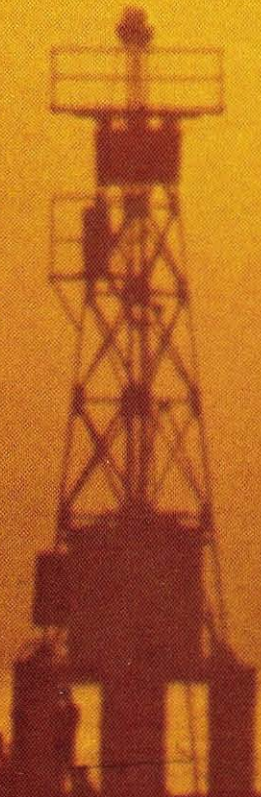
Will a bronze prop hurt my motor?

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.

You may frequently 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 or I/O 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.

Is it advisable to have outboard propellers repaired?

Depends on the material. Those made of bronze or sand-cast aluminum are repairable at about one-third to one-half 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 die-cast.) It is advisable to discard such propellers and replace with the more durable sand-cast aluminum or bronze.



Michigan authorized prop repair.



In most instances, your damaged Michigan prop can be perfectly reconditioned. We make them that way to save you the risk of costly engine damage through the use of a bent or out-of-balance propeller. However, it's vital that you entrust a damaged Michigan prop only to the factory, or one of our authorized service stations. (Especially cushion type props for gear-shift engines.) These propellers are too valuable to take them to shops that are insufficiently equipped or inexperienced in repairing them.

SEE MAP FOR AUTHORIZED SERVICE STATIONS.

FACTORY OUTBOARD & STERN DRIVE PROPELLER REPAIR PRICES

6"–11" dia. Bronze or Alum.....	\$ 8.90
11¼"–13" dia. Bronze or Alum.....	10.50
13¼"–15" dia. Bronze or Alum.....	14.20
15¼" dia. and larger.....	20.00
CUPPED PROPS.....	add 25%
PITCH change—new or undamaged props, at repair price	
Dia. Reduction—thru 13" dia.....	5.80
Dia. Reduction—13¼" dia. & larger.....	10.40
Pitch change—in addition to repair.....	5.30
HUB REPLACEMENT—in addition to wheel repair, NET:	
Thru 18 hp.....	2.30
19 hp thru 49 hp.....	3.50
50 hp thru 95 hp.....	4.50
100 hp and up.....	8.10
HUB REPLACEMENT ONLY (prop not damaged)—NET:	
Thru 95 hp.....	6.90
100 hp and up.....	9.50
CUPPING—thru 14" dia. NET.....	4.50
14¼" & larger, NET.....	6.50
All welding net extra.	

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

Dia.	Price	Dia.	Price	Dia.	Price	Dia.	Price
10"	\$11.50	16"	\$18.50	22"	\$29.00	32"	\$58.00
11"	12.00	17"	20.50	24"	34.00	34"	66.00
12"	12.50	18"	22.50	26"	39.00	36"	74.00
13"	13.20	19"	24.70	28"	44.00	38"	84.00
14"	14.40	20"	26.80	30"	50.00	40"	96.00
15"	16.50	(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. All welding net extra.

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