SUZUKI PROPELLERS

WATERGRIP

WATERGRIP is a stainless-steel propeller series offering accurate response to User operation.
Converting engine power into propulsion with high efficiency, this propeller series meets our customer's demand for bigger, faster, more powerful outboards.
The WATERGRIP propeller series employs a new interchangeable and square shaped propellerbush that minimises power loss in delivery.

Applicable Model	Material	Blade	Diameter		Pitch		Rotation*	Part number
			in	(mm)	in	(mm)		
DF150/150AP, DF175/DF175AP, DF200/DF200AP, DF225, DF250/DF250AP, DF300AP	Stainless	3	14 1/2	(368.3)	25	(635.0)	RR	58700-96J40-000
							CR	58800-96J40-000
					27	(685.8)	RR	58700-96J50-000
							CR	58800-96J50-000
			14 3/4	(374.7)	23	(584.2)	RR	58700-96J30-000
							CR	58800-96J30-000
			15	(381.0)	21	(533.4)	RR	58700-96J20-000
							CR	58800-96J20-000
			15 1/4	(387.4)	19	(482.6)	RR	58700-96J10-000
							CR	58800-96J10-000
			15 1/2	(393.7)	17	(431.8)	RR	58700-96J00-000
							CR	58800-96J00-000
			16	(406.4)	15	(381.0)	RR	58700-93L81-000
					17	(431.8)	RR	58700-93L01-000
							CR	58800-93L00-000
					18 1/2	(469.9)	RR	58700-93L11-000
							CR	58800-93L10-000
					20	(508.0)	RR	58700-93L21-000
							CR	58800-93L20-000
					21 1/2	(546.1)	RR	58700-93L31-000
							CR	58800-93L30-000
					23	(584.2)	RR	58700-93L41-000
							CR	58800-93L40-000
					24 1/2	(622.3)	RR	58700-93L51-000
							CR	58800-93L50-000
					26	(660.4)	RR	58700-93L61-000
							CR	58800-93L60-000
					27 1/2	(698.5)	RR	58700-93L70-000
		4	15 1/4	(387.4)	18	(457.2)	RR	58700-93J00-000
					20	(508.0)	RR	58700-93J10-000
							CR	58800-93J10-000
					22	(558.8)	RR	58700-93J20-000
							CR	58800-93J20-000
					24	(609.6)	RR	58700-93J30-000
							CR	58800-93J30-000
					26	(660.4)	RR	58700-93J40-000
							CR	58800-93J40-000

*RR:Regular-Rotation model, CR:Counter-Rotation model

WATERGRIP DUAL

Our flagship models, the DF350A, DF325A and DF300B, introduced the Suzuki Dual Prop System, an industry-leading technology, which delivers outstanding and exciting performance. The two contra-rotating propellers, operating simultaneously, enables greater conversion efficiency as well as better stability, grip, and manoeuvrability.

Applicable Model	Material	Blade	Diameter		Pitch		Part number	
			in	(mm)	in	(mm)	(Front)	(Rear)
DF300B, DF325A, DF350A	Stainless	3	15 1/2	(393.7)	12	(304.8)	58500-98LA0-000	58600-98LA1-000
					15	(381.0)	58500-98LB0-000	58600-98LB1-000
					16 1/2	(419.1)	58500-98LC0-000	58600-98LC1-000
					18	(457.2)	58500-98L90-000	58600-98L91-000
					19 1/2	(495.3)	58500-98L60-000	58600-98L61-000
					21	(533.4)	58500-98L00-000	58600-98L01-000
					22 1/2	(571.5)	58500-98L10-000	58600-98L11-000
					24	(609.6)	58500-98L20-000	58600-98L21-000
					25 1/2	(647.7)	58500-98L30-000	58600-98L31-000
					27	(685.8)	58500-98L40-000	58600-98L41-000
					28 1/2	(723.9)	58500-98L50-000	58600-98L51-000
					30	(762.0)	58500-98L70-000	58600-98L71-000
					31 1/2	(800.1)	58500-98L80-000	58600-98L81-000

WATERGRIP SPORT

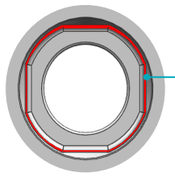
The WATERGRIP SPORT propellers feature a high rake blade design for excellent acceleration and exceptional top speed. These propellers are ideal for lightweight sports boats as they give remarkably stable thrust when turning for superior manoeuvrability.

Applicable Model	Material	Blade	Diameter		Pitch		Rotation*	Part number
			in	(mm)	in	(mm)		
DF150/150AP, DF175/DF175AP, DF200/DF200AP, DF225, DF250/DF250AP, DF300AP	Stainless	3	14	(355.6)	27	(685.8)	RR	58700-96L40-000
			14 1/4	(362.0)	25	(635.0)	RR	58700-96L30-000
			14 1/2	(368.3)	23	(584.2)	RR	58700-96L20-000
			14 7/8	(377.8)	21	(533.4)	RR	58700-96L10-000
			15	(381.0)	19	(482.6)	RR	58700-96L00-000

*RR:Regular-Rotation model, CR:Counter-Rotation model

The WATERGRIP propeller series employs a new interchangeable and square shaped propeller bush that minimizes power loss in delivery.

PROPELLER BUSH ADVANTAGES



Interchangeable bush with
Better resistance over propeller ship

PROPELLER LINE-UP

Model	Material	Blade	Diameter		Pitch		Rotation*	Description	Part number
			in	(mm)	in	(mm)			
DF2.5	Aluminum	3	7 3/8	(187.3)	5 3/8	(136.5)	RR		58110-97JA0-019
DF4A, DF5A, DF6A	Aluminum	3	7 1/2	(190.5)	6	(152.4)	RR		58110-91JL0-019
					6 1/2	(165.1)	RR		58110-91JM0-019
					7	(177.8)	RR		58110-91JN0-019
DF8A, DF9.9A	Aluminum	3	9 1/4	(235.0)	7	(177.8)	RR		58100-89L00-019
					8	(203.2)	RR	THICK	58100-90L41-019
					9	(228.6)	RR		58100-89L20-019
							RR	THICK	58100-90L50-019
					10	(254.0)	RR		58100-89L60-019
							RR	THICK	58100-90L60-019
					11	(279.4)	RR		58100-89L70-019
DF9.9B, DF15A, DF20A, DT9.9A, DT15A	Aluminum	3	9 1/4	(235.0)	7	(177.8)	RR		58100-89L00-019
					8	(203.2)	RR	THICK	58100-90L41-019
					9	(228.6)	RR		58100-89L20-019
							RR	THICK	58100-90L50-019
					10	(254.0)	RR		58100-89L60-019
							RR	THICK	58100-90L60-019
					11	(279.4)	RR		58100-89L70-019
					12	(304.8)	RR		58100-89L50-019
		4	10	(254.0)	5	(127.0)	RR	High thrust	58100-94JA2-019
					7	(177.8)	RR	High thrust	58100-94JB1-019
DF25A, DF30A, DT25, DT30	Aluminum	3	10 1/4	(260.3)	9	(228.6)	RR	THICK	58100-96372-YAY
					10	(254.0)	RR		58100-91L40-019
							RR	THICK	58100-96472-YAY
					11	(279.4)	RR		58100-91L50-019
					12	(304.8)	RR		58100-91L20-019
							RR	THICK	58100-96482-YAY
					13	(330.2)	RR		58100-91L30-019
							RR	THICK	58100-96492-019
					14	(355.6)	RR		58100-95D01-019
					15	(381.0)	RR		58100-96462-YAY
DF40A, DF50A, DF60A, DT40	Aluminum	3	11	(279.4)	17	(431.8)	RR		58100-88LF0-019
			11 1/8	(282.6)	16	(406.4)	RR		58100-88LS0-019
			11 1/4	(285.8)	15	(381.0)	RR		58100-88LR0-019
			11 3/8	(288.9)	14	(355.6)	RR		58100-88LQ0-019
			11 1/2	(292.1)	9	(228.6)	RR		58100-88LC0-019
					10	(254.0)	RR		58100-88LD0-019
					11	(279.4)	RR		58100-88LE0-019
					13	(330.2)	RR		58100-88LB0-019
			11 5/8	(295.3)	12	(304.8)	RR		58100-88LA0-019
	Stainless	3	11 1/8	(282.6)	16	(406.4)	RR		58200-88L30-000

*RR:Regular-Rotation model, CR:Counter-Rotation model

Model	Material	Blade	Diameter		Pitch		Rotation*	Description	Part number
			in	(mm)	in	(mm)			
DF50AV, DF60AV	Aluminum	3	13 3/4	(349.3)	12	(304.8)	RR		58100-87LJ0-019
					17	(431.8)	RR		58100-87LC1-019
			13 7/8	(352.4)	15	(381.0)	RR		58100-87LB1-019
			14	(355.6)	9	(228.6)	RR		58100-87LG1-019
					11	(279.4)	RR		58100-87LH0-019
					13	(330.2)	RR		58100-87LA1-019
DF70A, DF80A, DF90A, DF100B	Aluminum	3	13 1/2	(342.9)	15	(381.0)	RR		58100-90JE0-019
			13 3/4	(349.3)	17	(431.8)	RR		58100-87LC1-019
					19	(482.6)	RR		58100-87LD1-019
					21	(533.4)	RR		58100-87LE1-019
					23	(584.2)	RR		58100-87LF1-019
			13 7/8	(352.4)	15	(381.0)	RR		58100-87LB1-019
			14	(355.6)	13	(330.2)	RR		58100-87LA1-019
					17	(431.8)	RR		58100-90JA0-019
					19	(482.6)	RR		58100-90JB0-019
					21	(533.4)	RR		58100-90JC0-019
					23	(584.2)	RR		58100-90JD0-019
	Stainless	3	13 7/8	(352.4)	15	(381.0)	RR		58200-92J40-000
					17	(431.8)	RR		58200-92J50-000
					19	(482.6)	RR		58200-92J60-000
					21	(533.4)	RR		58200-92J70-000
					23	(584.2)	RR		58200-92J80-000
					25	(635.0)	RR		58200-92J90-000
DF100C, DF115B, DF115BG, DF140B, DF140BG	Aluminum	3	13 1/2	(342.9)	15	(381.0)	RR		58100-90JE0-019
			14	(355.6)	17	(431.8)	RR		58100-90JA0-019
					19	(482.6)	RR		58100-90JB0-019
					21	(533.4)	RR		58100-90JC0-019
					23	(584.2)	RR		58100-90JD0-019
	Stainless	3	13 7/8	(352.4)	15	(381.0)	RR		58200-92J40-000
					17	(431.8)	RR		58200-92J50-000
							CR		58200-92JA0-000
					19	(482.6)	RR		58200-92J60-000
							CR		58200-92JB0-000
					21	(533.4)	RR		58200-92J70-000
							CR		58200-92JC0-000
					23	(584.2)	RR		58200-92J80-000
							CR		58200-92JD0-000
					25	(635.0)	RR		58200-92J90-000

*RR:Regular-Rotation model, CR:Counter-Rotation model

HARDWARE for PROPELLER

Applicable Model	STOPPER	PROPELLER BUSH	HARDWARE KIT					
				SPACER	WASHER	STOPPER	NUT	COTTER PIN
DF2.5	57635-91JL0-000	58120-97JA0-000	N/A	-	-	-	58130-91JL0-000	09204-03003-000
DF4A/5A/6A	57635-97L00-000	58120-91JL0-000	N/A	-	-	-	58130-91JL0-000	09204-03003-000
DF8A/9.9A	57632-94J00-000	58120-89L00-000	N/A	-	09160-12066-000	-	09141-12005-000	09204-02004-000
DF9.9B/15A/20A	57632-94J00-000	58120-89L00-000	N/A	-	09160-12066-000	-	09141-12005-000	09204-02004-000
DT9.9A/15A	57632-94J00-000	58120-89L00-000	N/A	-	09160-12066-000	-	09141-12005-000	09204-02004-000
DF25A/30A	57632-91L00-000	58120-96401-000	57630-96300-000	57633-96300-000	09160-14028-000	-	09141-14008-000	09204-03003-000
DT25/30	57632-91L00-000	58120-96401-000	57630-96300-000	57633-96300-000	09160-14028-000	-	09141-14008-000	09204-03003-000
DF40A/50A/60A	57632-95320-000	58120-88L01-000	57630-94301-000	57633-94301-000	09160-18028-000	-	09141-18005-000	09204-03003-000
DT40	57632-92L00-000	58120-88L01-000	57630-92L01-000	57633-94301-000	09160-16054-000	-	09141-16008-000	09204-03003-000
DF50AV/60AV	57635-90J01-000	58105-90J00-000	57630-90J10-000	57633-90J10-000	09160-18028-000	-	09141-18005-000	09204-03003-000
DF70A/80A/90A/100B	57632-87L01-000	58105-90J00-000	57630-90J10-000	57633-90J10-000	09160-18028-000	-	09141-18005-000	09204-03003-000
DF100C/115B/115BG/ 140B/140BG	57635-92J01-000	58105-90J00-000	57630-90J10-000	57633-90J10-000	09160-18028-000	-	09141-18005-000	09204-03003-000
DF150A-300AP	57632-93L11-000	58120-93L00-000	57630-93L00-000	57633-93L00-000	09160-18028-000	-	09141-18005-000	09204-03003-000
DF300B/DF325A/350A Front	58531-98L00-000	58520-98L00-000	58540-98L01-000	58541-98L00-000	-	58551-98L00-000	58561-98L01-000	-
DF300B/DF325A/350A Rear	58631-98L00-000	58620-98L00-000	58640-98L00-000	58641-98L00-000	09160-18019-000	-	09141-18005-000	09204-03003-000

CHOOSING THE RIGHT PROPELLER

Propeller selection is very important in the performance of the boat. Acceleration, speed, fuel efficiency, stability and engine RPM all are affected by the propeller. Operating requirements and conditions will also determine which design, style and pitch of the propeller your customer can choose. The combination of boat, engine and appropriate propeller size may have already been tested by the boat manufacturer.
Your Customer may need your assistance to determine the correct propeller for their application.

STAINLESS STEEL PROPELLERS

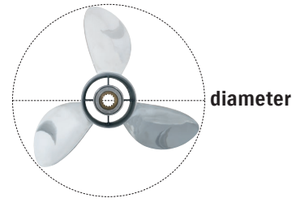
Suzuki Stainless Steel Propellers offer high performance and durability. Their aggressive design enhances the overall performance of the boat and the durability of stainless steel ensures long term dependability. Suzuki Stainless Steel propellers are also fitted with a rubber cushion hub to help absorb vibration and shock should they strike a foreign object.

PROPELLER SIZING

When referring to propeller size, the first number is the number of blades, the second number details the **diameter** of the propeller, and the third number is the **pitch**
Example: **3 x 13 x 18** = 3 blades x Diameter: 13 inches x Pitch: 18 inches.
The pitch is the most significant factor when choosing a propeller.

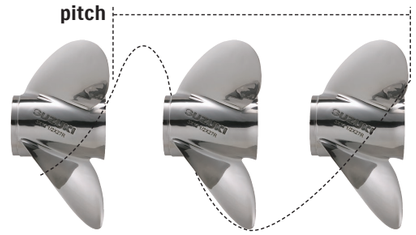
DIAMETER

Diameter is the distance across an imaginary circle that is made when a propeller rotates. Diameter is determined during the designing process of a propeller and is usually based on engine size, gear case design, horsepower and speed.



PITCH

Pitch is the theoretical distance that a propeller corkscrews forward through the water. In theory, an 18"(457.2mm) pitch propeller would travel 18"(457.2mm) with each complete revolution*.
Lower pitches accelerate faster, but have lower top end speed. Higher pitches have a slower acceleration, but attain higher top speeds. An inch of pitch is generally equal to 150-200 engine RPM at wide open throttle (WOT). If pitch increases by an inch, RPM will decrease by 150-200 RPM at WOT. If pitch decreases by an inch, RPM will increase by 150-200 RPM at WOT.
*Note during actual operation, this number will be affected by slip factors such as water conditions, boat weight, propeller style, etc.



PROPELLER CUP

Cup is the curve along the trailing edge of the propeller blade. This reduces propeller slip and ventilation, allowing users to operate their engine at a higher transom mounting, and use more trim for bow lift.

RAKE

Rake is the angle, in degrees, that the propeller blades are mounted to the barrel of the propeller. Blades of a zero degree rake propeller are mounted perpendicular to the barrel . High rake propellers have blades that angle more to the rear of the propeller. These blades hold water longer and ventilate less at higher engine heights.
Such propellers produce higher thrust which helps lift the bow of the boat more effectively.