

PRO'S CHOICE

BAEKSAN

ALUMINUM PROPELLER



Serial No. 2012-B-187



BS.PRO
BaekSan Propeller Co., Ltd.
www.bspp.co.kr

PRO'S CHOICE



Your choice
for Outstanding performance!
Advanced Quality! Economical Efficiency!



About Baeksan Propeller Co., Ltd.

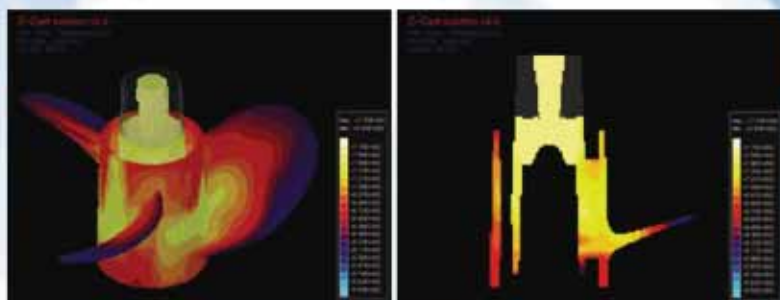
BaekSan Propeller Co., Ltd. is a leading manufacturer that specializes in aluminum propellers for the boating industry. BaekSan Propeller Co., Ltd. was established in 1984 and many years of manufacturing experience has brought us the technical know-how to realize the excellent quality. Our wide selections of aluminum propellers are being exported to many countries throughout the world under our own brand **BS.PRO** earning the good reputation in every market.

It is no wonder that our market share is rapidly growing worldwide. Our high performance aluminum propellers for outboard and stern-drive applications provide the strong durability and the strong corrosion resistance. Our BS.PRO propellers will provide you with the pleasure of water leisure sports and the safest and the most comfortable sailing.

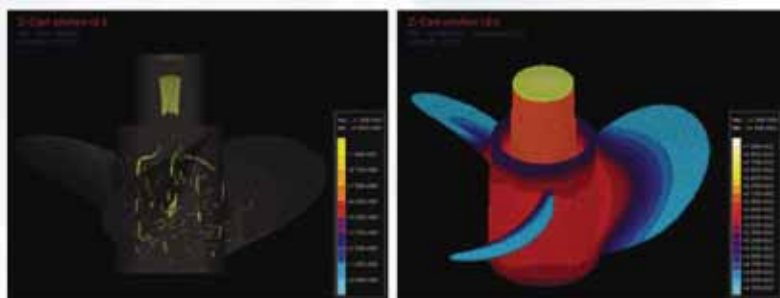
Best quality and Good service

BaekSan Propeller Co., Ltd. does the constant R&D activity and keeps investing in the equipment to provide the customers with the better quality aluminum propellers. We provide our customers with good service and share the technical information and market information with our customers, and we have our goal oriented to what our customers want.

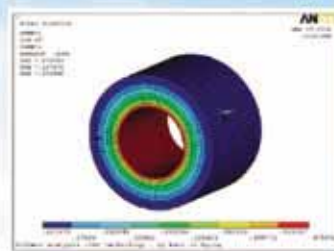
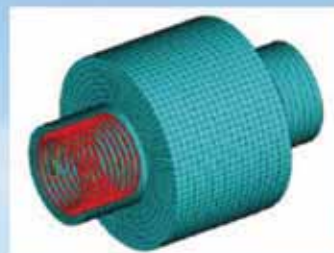
If you use BS.PRO propellers proven as the best quality in the market, your water leisure sports will be much pleasanter and your water transportation will be much safer and more comfortable.



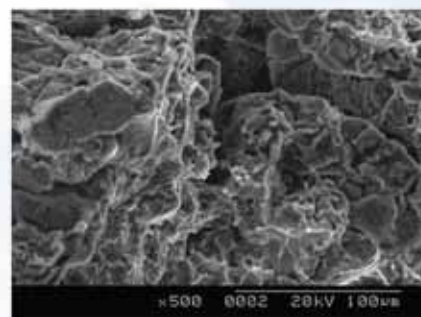
Flow simulation



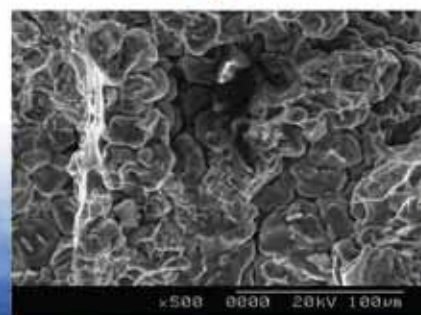
Solidification simulation



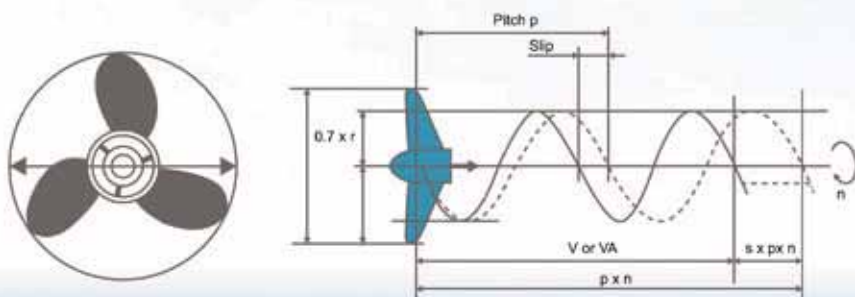
Rubber Stress / Strain Analysis



Unstable Microstructure



Microstructure Inspection of BaekSan Propeller



How to choose propeller for Boat

1. Check the RPM range recommended by outboard manufacturer in the manual.
2. Check the maximum RPM range by reading the instrument panel to determine the optimal pitch and speed.
3. If maximum RPM exceeds the recommended range, please lower the RPM by using one level higher pitch propeller. Repeat this procedure to figure out the appropriate pitch propeller.
4. If maximum RPM is lower the recommended range, please raise the RPM by using one level lower pitch propeller. Repeat this procedure to figure out the appropriate pitch propeller.

✓ Cupped trailing edge to better grab and hold water, dramatically enhancing the performance and efficiency.

✓ Rubber cushion hub system
✓ Exchangeable hub kit system is also available for Mercury D & E class propellers and Honda D & E class propellers.

✓ Precision balanced blades significantly reduce vibration.
✓ High gloss powder coat protects aluminum. Minimized speed loss from drag, reduces corrosion and looks great on any boats.

✓ High performance blade geometry, higher degree rake and progressive pitch design results in a better combination of top end speed and dead start acceleration.

✓ Flared hub design keeps exhaust from causing speed-robbing ventilation blow-out.

✓ Optimal blade thickness.
✓ Each blade is carefully engineered thin enough to maximize performance but thick enough to provide long lasting durability.



Propeller for Outboard Motor

Usage : Leisure, Military and Police Petrol, Small Fish Boat
Material : Special aluminum alloy



Baeksan Propeller with our most advanced design system never allow any vibration under every rough conditions.



4 Blade Propellers and Pin Type Propellers



Usage : bass boats and fishing boats with high performance
Material : Special aluminum alloy

Baeksan 4 blade propellers provide extra power and better performance with smooth steering.



pin type aluminum propeller

BS DUO Aluminum propeller



BS DUO aluminum
A series



BS DUO aluminum
B series



Baeksan Propeller List

BS DUO

Stern Drive			Description	OEM Part No.		Blds
	A3	• Diesel applications Front prop—Three blades Rear prop—Four blades	BS—A3F BS—A3R	854766	854776 854786	3 4
	A4		BS—A4F BS—A4R	854767	854777 854787	3 4
	A5		BS—A5F BS—A5R	854768	854778 854788	3 4
	A6		BS—A6F BS—A6R	854769	854779 854789	3 4
	A7		BS—A7F BS—A7R	854770	854780 854790	3 4
	B3	• Gasoline applications Front prop—Three blades Rear prop—Three blades	BS—B3F BS—B3R	854816	854824 854832	3 3
	B4		BS—B4F BS—B4R	854817	854825 854833	3 3
	B5		BS—B5F BS—B5R	854818	854826 854834	3 3
	B6		BS—B6F BS—B6R	854819	854827 854835	3 3
	B7		BS—B7F BS—B7R	854820	854828 854836	3 3
	SX Drive	• 3.0 L 1994 & Newer • 4.3 L 1994 & Newer • 5.0 L 1994 & Newer • 5.7 L 1994 & Newer • 5.8 L 1994–1997 • 7.4 L 1997 & Newer • 8.2 L 1997 **Thru Hub Exhaust **19 tooth spline	SX 15 1/2 × 13 SX 15 1/2 × 15 SX 15 × 17	3840720 3817466 3817467	3 3 3	
			Mercury E Propeller + Hub Kit [SXM-PH]	SXM150 15 1/4 × 15 SXM135 15 × 17 SXM150 14 1/2 × 19 SXM150 14 1/4 × 21 SXM150 14 × 23	48–78116A45 48–832828A45 48–832830A45 48–832832A45 48–832834A45	3 3 3 3 3
				4SXM150 15 × 16 4SXM150 14 1/2 × 18 4SXM150 14 × 20	48–834850A45 48–834852A45 48–834854A45	4 4 4

Baeksan Propeller List

MERCUISER

Stern Drive		Description	OEM Part No.	Blds
	E	• Alpha I, & Bravo I with 4 3/4" gearcase Thru hub exhaust, 15 tooth spline.		
		**with Mercury Hub Kit [ME-PH]		
		M150 16 × 13	48-78114A45	3
		M150 15 1/4 × 15	48-78116A45	3
		M150 16 × 16	48-16440A45	3
		M135 15 × 17	48-832828A45	3
		M150 14 1/2 × 19	48-832830A45	3
		M150 14 1/4 × 21	48-832832A45	3
		M150 14 × 23	48-832834A45	3
		4M150 15 × 16	48-834850A45	4
4M150 14 1/2 × 18	48-834852A45	4		
4M150 14 × 20	48-834854A45	4		

O.M.C.

Stern Drive		Description	OEM Part No.	Blds		
	D	Model 400				
		• 2.3 L (120hp) thru 1991	J70 14 × 13	391668	3	
		• 2.5 L (120hp) 1978–1984	J70 13 3/4 × 15	391198	3	
		• 3.0 L (140hp) thru 1989	J70 13 1/4 × 17	763463	3	
		Cobra	J70 14 × 17	176214	3	
 	E	• 2.3 L (128hp) 1988–1991				
		• 2.5 L (120hp) 1985–1987				
		• 3.0 L (140hp) 1985–1987				
		Thru hub exhaust, 13 tooth spline				
		Model 800, Cobra, & King Cobra	J150 15 1/2 × 13	763453	3	
			J150 15 1/2 × 15	391535	3	
			J150 15 × 17	391200	3	
		• 3.0 L–8.2 L(non SX drives) 1990–1993				
		• Cobra 5.8 L 1990–1993				
		• Sea Drive 2.0–4.0 L All Years				
		Thru hub exhaust, 15 tooth spline				
		**For the models prior to year 1990, the thrust washer for MerCruiser Alpha One is required.	Mercury E Propeller + Hub Kit [JME-PH]	JM150 15 1/4 × 15	48–78116A45	3
				JM135 15 × 17	48–832828A45	3
JM150 14 1/2 × 19	48–832830A45			3		
JM150 14 1/4 × 21	48–832832A45			3		
JM150 14 × 23	48–832834A45			3		
4JM150 15 × 16	48–834850A45			4		
4JM150 14 1/2 × 18	48–834852A45			4		
4JM150 14 × 20	48–834854A45	4				

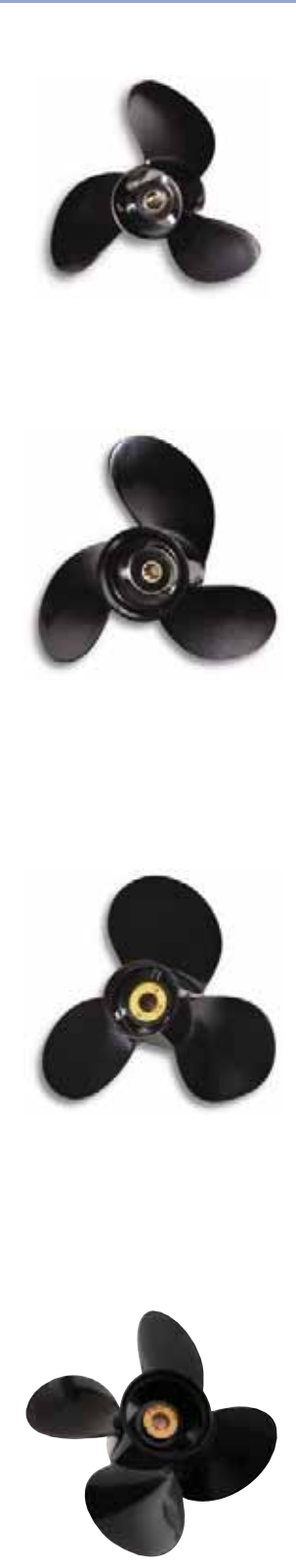
Baeksan Propeller List

YAMAHA

Outboard Engine		Description	OEM Part No.	Blds	
	Y5	[4–5hp] 9 tooth spline	Y5 7 1/2 × 7 Y5 7 1/2 × 8	6E0–45943–01–EL 6E0–45941–01–EL	3 3
	A	[9.9–15hp] • 9.9hp 1984 & Newer • 15hp 1984 & Newer Thru Hub Exhaust, 8 tooth spline	Y15 9 1/4 × 8 Y15 9 1/4 × 9 Y15 9 1/4 × 9 3/4 Y15 9 1/4 × 10 1/2 Y15 9 1/4 × 12	683–45947–00–EL 683–45945–00–EL 683–45952–00–EL 683–45943–00–EL 63V–45941–10–EL	3 3 3 3 3
	B	[20–30hp] • 20hp 1996–1997 • 25hp 1980 & Newer • 25hp (4 stroke) 2001 • 30hp (4 stroke) 2001 • 30hp 1979 & Newer Thru Hub Exhaust, 10 tooth spline	Y30 9 7/8 × 9 Y30 9 7/8 × 10 1/2 Y30 9 7/8 × 11 1/4 Y30 9 7/8 × 12 Y30 9 7/8 × 13 Y30 9 7/8 × 14	664–45941–01–EL 664–45945–00–EL 664–45947–01–EL 664–45954–01–EL 664–45949–02–EL 664–45952–00–EL	3 3 3 3 3 3
	C	[40–60hp] • 40hp 1984 & Newer • 48hp 1995 & Newer • 50hp (not T50) 1984 & Newer • 55hp 1976–1995 • 60hp 1976–1991 • FS40hp (4 stroke) 1999 & Newer • FS50hp (4 stroke) 1995 & Newer • FS60hp (4 stroke) 1999 & Newer Thru Hub Exhaust, 13 tooth spline	Y40 11 1/4 × 9 Y40 11 3/4 × 10 Y40 11 5/8 × 11 Y40 10 5/8 × 12 Y40 11 3/8 × 12 Y40 10 3/8 × 13 Y40 11 1/8 × 13 Y40 10 1/4 × 14 Y40 11 1/4 × 14 Y40 11 × 15	663–45956–01–EL 663–45954–01–EL 663–45947–02–EL 6H5–45952–00–EL 663–45952–02–EL 6H5–45945–00–EL 663–45945–02–EL 6H5–45958–00–EL 663–45958–01–EL 69W–45943–00–EL	3 3 3 3 3 3 3 3 3 3
	D	[50–130hp] • T50hp 1996 & Newer • 60hp 1992 & Newer • 70hp 1984 & Newer • 75hp 1994 & Newer • 80hp 1997 • 85hp 1991–1997 • 90hp 1984 & Newer • 115hp 1984 & Newer • 130hp 1984 & Newer • FS90hp (4 stroke) 1999 & Newer • FS100hp (4 stroke) 1999 & Newer • FS115hp (4 stroke) 2000 & Newer Thru Hub Exhaust, 15 tooth spline	PY40 11 3/4 × 10 PY40 11 1/2 × 11	676–45945–62–EL 676–45941–62–EL	3 3
	E	[150–300hp] • 150hp 1986 & Newer • 150hp (4 stroke) 2004 & Newer • 175hp 1984 & Newer • 200hp 1984 & Newer • 200hp (VMAX) 2001 • 220hp (Special) 1984–1985 • 225hp (Excel) 1987–1988 • 225hp 1986 & Newer • 250hp 1990 & Newer • 250hp (VMAX) 2001 • F200hp (4 stroke) 2002 & Newer • F225hp (4 stroke) 2002 & Newer • 300hp 2003 & Newer • 300hp DI 2004 & Newer Thru Hub Exhaust, 15 tooth spline	Y150 15 1/4 × 15 Y150 14 1/2 × 17 Y150 14 × 19 Y150 13 3/4 × 21 Y150 13 1/2 × 23	6G5–45941–01–98 6G5–45947–01–98 6G5–45945–01–98 6G5–45943–01–98 6G5–45949–00–98	3 3 3 3 3

Baeksan Propeller List

MERCURY / MARINER

	Outboard Engine		Description	OEM Part No.	Blds
	M5	[4–6hp]	M5 7 7/8 × 8	48–812950A02	3
	A	[6–15hp] • 6,8,9.9hp (2 stroke) 1986 & Newer • 10hp 1995 & Newer • 15hp (2 & 4 stroke) 1989 & Newer • Not for Bigfoot Motors Thru Hub Exhaust, 8 tooth spline	M15 9 1/4 × 7 M15 9 × 8 M15 9 × 9	48–828152A12 48–828154A12 48–828156A12	3 3 3
	B	[9.9–25hp] • 9.9–15hp (Bigfoot 4 stroke) 1999 & Newer • 18hp Mercury 1980–1985 • 20hp Mercury 1986 & Newer • 25hp (2 stroke) 1980 & Newer Thru Hub Exhaust, 10 tooth spline	M25 10 3/8 × 11 M25 10 3/8 × 13	48–19638A40 48–19640A40	3 3
	C	[25–70hp] • Model 402, 500, & 700 1977–1984 • 25hp (Bigfoot 4 stroke) 1999–2005 • 30hp (2 & 4 stroke) 1994–2005 • 35hp 1984–1989 • 40hp (2 & 4 stroke, Not Bigfoot) 1977 & Newer • 45hp 1986–1989 • 50hp (2 & 4 stroke, Not Bigfoot) 1977 & Newer • 60hp (2 stroke, Not Bigfoot) 1978 & Newer • 70hp thru 1983 Thru Hub Exhaust, 13 tooth spline	M55 12 1/4 × 9 M55 12 × 10 1/2 M55 11 1/4 × 10 M55 10 7/8 × 11 M40 10 5/8 × 12 M40 10 3/8 × 13 M40 10 1/2 × 13 M40 10 1/4 × 14 M40 10 3/8 × 14 M40 10 1/8 × 15	48–87818A10 48–42740A10 48–73132A40 48–85623A40 48–73134A40 48–73136A40 48–816704A40 48–73138A40 48–816706A40 48–73140A45	3 3 3 3 3 3 3 3 3 3
	D	[40–140hp] • 40–50hp (Bigfoot 4 stroke) All years • 70hp 1987–1989 • 75hp (2 & 4 stroke) 1984 & Newer • 80hp 1978–1989 • 90hp (2 & 4 stroke) 1978 & Newer • 100hp 1988 & Newer • 115hp 1978 & Newer • 115hp (4 stroke) 2001 & Newer • 125hp 1994 & Newer • 140hp 1978–1981 • 650 (4 cylinder) 1961–1970 • 650 (2 cylinder) thru 1971 • 800, 850 (6 cylinder) thru 1972 • 800, 850 (4 cylinder) 1972–1977 • 900 & 1500 thru 1977 Thru Hub Exhaust, 15 tooth spline **with Mercury Hub Kit [MD-PH]	M60 14 × 10 M90 14 × 13 M60 13 3/4 × 15 M90 13 1/4 × 17 M90 13 × 19 M90 12 3/4 × 21 4M90 13 7/8 × 11 4M90 13 7/8 × 13 4M90 13 3/8 × 15 4M90 13 × 17 4M90 12 1/2 × 19	48–854342A45 48–77340A45 48–77342A45 48–77344A45 48–77346A45 48–77348A45 8M8026560 8M8026570 8M8026580 8M8026590 8M8026600	3 3 3 3 3 3 4 4 4 4 4
	E	[135hp+up] Fits Mercury outboards: • 135hp+up with 4 3/4" gearcase Fits Mercruiser sterndrives: • Alpha I, & Bravo I with 4 3/4" gearcase Thru Hub Exhaust, 15 tooth spline **with Mercury Hub Kit [ME-PH]	M150 16 × 13 M150 15 1/4 × 15 M150 16 × 16 M135 15 × 17 M150 14 1/2 × 19 M150 14 1/4 × 21 M150 14 × 23 4M150 15 × 16 4M150 14 1/2 × 18 4M150 14 × 20	48–78114A45 48–78116A45 48–16440A45 48–832828A45 48–832830A45 48–832832A45 48–832834A45 48–834850A45 48–834852A45 48–834854A45	3 3 3 3 3 3 3 4 4 4

Baeksan Propeller List

SUZUKI

Outboard Engine		Description	OEM Part No.	Blds
	A	[9.9–15hp]		
		• DT 9.9 1983–1987	S15 9 1/4 × 9	3
		• DF 9.9 1997 & Newer	S15 9 1/4 × 10	3
		• DT 15 1983–1988	S15 9 1/4 × 11	3
	B	• DT 15C 1989–1997		
		• DT 15 (4 stroke) 1997 & Newer		
		Thru hub exhaust, 10 tooth spline		
		[20–30hp]		
		Fits Suzuki outboards:		
		• DT 25C 1989 & Newer	S30 10 1/4 × 9	3
		• DT 20, 25 1987–1988	S30 10 1/4 × 10	3
	C	• DT 30, 30C 1987–1997	S30 10 1/4 × 11	3
		• DF 25 (4 stroke) 2000 & Newer	S30 10 1/4 × 12	3
		• DF 30 (4 stroke) 2000 & Newer	S30 10 1/4 × 13	3
		Fits Johnson / Evinrude outboards:	S30 10 1/4 × 14	3
		• 25hp (4 stroke) 2004 & Newer	S30 10 1/4 × 15	3
		• 30hp (4 stroke) 2004 & Newer		
		Thru hub exhaust, 10 tooth spline		
		[35–65hp]		
		Fits Suzuki outboards:		
		• DT 35C 1987–1990	S40 11 1/2 × 11	3
	D	• DT 40 1983 & Newer	S40 11 1/2 × 12	3
		• DT 50, 50M 1983–1984	S40 11 1/2 × 13	3
		• DT 55 1985–1996	S40 11 1/2 × 14	3
		• DT 60 1983–1984	S40 11 1/2 × 15	3
		• DT 65 1985–1997	S40 11 1/8 × 16	3
		• DF 40 (4 stroke) 1999 & Newer	S40 11 × 17	3
		• DF 50 (4 stroke) 1999 & Newer		
		Fits Johnson / Evinrude outboards:		
		• 40hp (4 stroke) 1999 & Newer		
		• 50hp (4 stroke) 1999 & Newer		
	E	Thru hub exhaust, 13 tooth spline		
		[60–140hp]		
		• DF 60, 70 (4 stroke) 1998 & Newer	S60 13 1/2 × 15	3
		• DT 75 1992–1997	S60 13 1/4 × 17	3
		• DT 75 1983–1991		
		• DT 85 1992 & Newer		
		• DT 85 1979–1991		
		• DT 90 1989–1997		
		• DT 100 1989 & Newer		
		• DT 115, 140 1992 & Newer		
		• DT 115, 140 1981–1991		
		Thru hub exhaust, 13 tooth spline		
		[90, 115 & 140hp—4 stroke]		
		• DF 90 (4 stroke) 2001 & Newer	S90 14 × 15	3
		• DF 115 (4 stroke) 2001 & Newer	S90 14 × 17	3
		• DF 140 (4 stroke) 2002 & Newer	S90 14 × 18	3
		Thru hub exhaust, 15 tooth spline	S90 14 × 19	3
			S90 14 × 21	3

Baeksan Propeller List

TOHATSU / NISSAN

Outboard Engine		Description	OEM Part No.	Blds
	A	[8–9.8hp] Fits Nissan / Tohatsu outboards: • 8hp (2 stroke) All years • 8hp MFS8 (4 stroke) All years • 8hp NSF8 (4 stroke) All years • 9.8hp (2 stroke) All years • 9.8hp MFS9.8 (4 stroke) All years • 9.8hp NSF9.8 (4 stroke) All years Fits Mercury outboards: • 8hp (4 stroke) 2005 & Newer Thru hub exhaust, 12 tooth spline	T8 8 1/2 × 7 T8 8 1/2 × 8 3B2–64513–0 3B2B64515–1	3 3
		[9.9–18hp] • 9.9hp 1984 & Newer • 9.9hp (4 stroke) 2000 & Newer • 12hp 1985–1988 • 15hp (4 stroke) 2000 & Newer • 15, 18hp 1985 & Newer • 18hp (4 stroke) 2001 & Newer Thru hub exhaust, 14 tooth spline	T15 9 1/4 × 8 T15 9 1/4 × 9 T15 9 1/4 × 9 3/4 T15 9 1/4 × 10 T15 9 1/4 × 10 1/2 T15 9 1/4 × 12 3BAB64516–0 3BAB64518–0 362–64108–0 3BAB64521–0	3 3 3 3 3 3
	B	[25–30hp] Fits Nissan / Tohatsu outboards: • 25hp 1986 & Newer • 30hp 1985 & Newer Fits Mercury outboards: • 25hp (4 stroke) 2006 & Newer • 30hp (4 stroke) 2006 & Newer Thru hub exhaust, 10 tooth spline	T30 9 7/8 × 9 T30 9 7/8 × 10 T30 9 7/8 × 11 T30 9 7/8 × 12 T30 9 7/8 × 13 T30 9 7/8 × 14 1/4 3R0B64518–0 3R0B64521–0 3R0B64523–0 3R0B64525–0 3R0B64527–0 349B64529–1	3 3 3 3 3 3
	C	[35–70hp] • 35hp (35B only) thru 1984 • 40hp 1984 & Newer • 50hp 1992 & Newer • 50hp (50D only) 1991 • 50hp (50C only) 1987–1991 • 55hp 1981–1988 • 60A 1986 & Newer • 70A & 70B 1981 & Newer Thru hub exhaust, 13 tooth spline	T40 12 1/4 × 9 T40 11 3/4 × 10 T40 11 5/8 × 11 T40 11 3/8 × 12 T40 11 1/8 × 13 T40 11 1/4 × 14 T40 11 × 15 3T5B64518–0 3T5B64523–0 3T5B64525–0 3T5B64527–0 3T5B64529–0 3T5B64532–0	3 3 3 3 3 3 3
	D	[60–140hp] • 60C (large gearcase) thru 1999 • 70C (large gearcase) All years • 90hp 1987 & Newer • 115hp 1992 & Newer • 120hp 1988 & Newer • 140hp 1988 & Newer Thru hub exhaust, 15 tooth spline	T90 13 5/8 × 13 T90 13 1/2 × 15 T90 13 1/4 × 17 T90 13 × 19 T90 12 5/8 × 21 3N4B64527–1 3N4B64532–1 3N4B64536–1 3N4B64541–1 3N4B64545–1	3 3 3 3 3
		Mercury D Propeller + Hub Kit [TMD-PH] **These Hub Kit type can be installed on newer Tohatsu D class engines.	TM60 14 × 10 TM90 14 × 13 TM60 13 3/4 × 15 TM90 13 1/4 × 17 TM90 13 × 19 TM90 12 3/4 × 21 48–854342A45 48–77340A45 48–77342A45 48–77344A45 48–77346A45 48–77348A45 8M8026560 8M8026570 8M8026580 8M8026590 8M8026600	3 3 3 3 3 3 4 4 4 4 4

Baeksan Propeller List

HONDA

	Outboard Engine	Description	OEM Part No.	Blds
	A	[8–15hp] • BF 8 2000 & Newer • BF 9.9 1988 & Newer • BF 15 All Years Thru hub exhaust, 8 tooth spline	H15 9 1/4 × 8 58130-ZV4-008AH	3
			H15 9 1/4 × 9 58130-ZV4-009AH	3
			H15 9 1/4 × 9 3/4 58130-ZV4-010AH	3
			H15 9 1/4 × 10 1/2 58130-ZV4-010AH	3
			H15 9 1/4 × 12 58130-ZV4-010AH	3
	B	[25–30hp] • BF 25 All Years • BF 30 All Years Thru hub exhaust, 10 tooth spline	H30 9 7/8 × 9 58130-ZV7-009AH	3
			H30 9 7/8 × 10 58130-ZV7-010AH	3
			H30 9 7/8 × 11 58130-ZV7-011AH	3
			H30 9 7/8 × 12 58130-ZV7-012AH	3
			H30 9 7/8 × 13 58130-ZV7-013AH	3
			H30 9 7/8 × 14 1/4 58130-ZV7-013AH	3
	C	[35–50hp] • BF 35 1991–1994 • BF 40 1995 & Newer • BF 45 1991–1994 • BF 50/50A 1995 & Newer • BF 60 2009 & Newer Thru hub exhaust, 13 tooth spline	H40 12 1/4 × 9 58130-ZV5-009AH	3
			H40 11 3/4 × 10 58130-ZV5-011AH	3
			H40 11 5/8 × 11 58130-ZV5-011AH	3
			H40 11 3/8 × 12 58130-ZV5-012AH	3
			H40 11 1/8 × 13 58130-ZV5-013AH	3
			H40 11 1/4 × 14 58130-ZV5-014AH	3
			H40 11 × 15 58130-ZV5-015AH	3
	D	[75–130hp] • BFP 60 2009 & Newer • BF 75 1995 & Newer • BF 90 1995 & Newer • BF 115 1998 & Newer • BF 130 1998 & Newer Thru hub exhaust, 15 tooth spline	H90 14 × 10 58130-ZW1-013AH	3
			H90 14 × 13 58130-ZW1-015AH	3
			H90 13 3/4 × 15 58130-ZW1-017AH	3
			H90 13 1/4 × 17 58130-ZW1-019AH	3
			H90 13 × 19 58130-ZW1-021AH	3
			H90 12 3/4 × 21 58130-ZW1-021AH	3
		** Note – For 75–90hp model years 1995–1998, use Mercury Hub Kit. – For 75–90hp 1999 & Newer, and 115–130hp 1998 & Newer, use Honda hub Kit [HD-PH]	4H90 13 7/8 × 11 58134-ZW1-013AH	4
			4H90 13 7/8 × 13 58134-ZW1-015AH	4
			4H90 13 3/8 × 15 58134-ZW1-017AH	4
			4H90 13 × 17 58134-ZW1-019AH	4
			4H90 12 1/2 × 19 58134-ZW1-021AH	4
	E	[135–225hp] • BF 135–BF 150 2004 & Newer • BF 200–BF 225(4–Stroke) 2002 & Newer Thru hub exhaust, 15 tooth spline	HM150 16 × 13 48-78114A45	3
			HM150 15 1/4 × 15 48-78116A45	3
			HM150 16 × 16 48-16440A45	3
			HM135 15 × 17 48-832828A45	3
			HM150 14 1/2 × 19 48-832830A45	3
			HM150 14 1/4 × 21 48-832832A45	3
			HM150 14 × 23 48-832834A45	3
		**Mercury E class propellers with Honda hub kit [HME-PH]	4HM150 15 × 16 48-834850A45	4
			4HM150 14 1/2 × 18 48-834852A45	4
			4HM150 14 × 20 48-834854A45	4

Baeksan Propeller List

EVINRUDE / JOHNSON / O.M.C.

Outboard Engine			Description	OEM Part No.	Blds	
	A	[9.9–15 hp] • 9.9 & 15hp 1974 & Newer • 8, 9.9 & 15hp (4 Stroke) 1995 & Newer Standard replacement propeller Thru Hub Exhaust, 13 tooth spline	J15 9 1/2 × 10	778772	3	
	B	[20–35 hp] • 20hp (2 cylinder) 1984–1997 • 25hp (2 & 3 cylinder) 1984 & Newer • 25hp (commercial) 1993 & Newer • 30hp (2 cylinder) 1984 & Newer • 35hp (2 & 3 cylinder) 1973 & Newer Thru Hub Exhaust, 14 tooth spline	J25 10 × 13 J25 10 × 15	778863 763486	3 3	
	C	[40–75 hp] • 40hp (2 cylinder) 1984 & Newer • 48hp 1987–1996 • 50hp 1975 & Newer • 60hp (2 cylinder) 1980–1985 • 75hp (3 cylinder) 1975–1985 Thru Hub Exhaust, 13 tooth spline	J48 12 1/2 × 13 J48 12 1/4 × 15	763461 778774	3 3	
	D	[45–140 hp] 2 Stroke Outboard Engines: • 40hp (E–Tec) 2004 & Newer • 45hp (2cyl commercial) 1986 & Newer • 50hp (E–Tec) 2004 & Newer • 50hp (2cyl commercial) 1977–1979 • 50hp (2cyl) 1971–1974 • 50hp (3cyl) 1994 & Newer • 55hp (2cyl commercial) 1980 & Newer • 55hp (3cyl) 1968–1969 • 60hp (3cyl) 1970–71, 1986 & Newer • 60hp (E–Tec) 2004 & Newer • 65hp (3cyl commercial) 1984 & Newer • 65hp (3cyl) 1972–1973 • 70hp (3cyl) 1974 & Newer • 75hp (3cyl) 1975–1984 • 75hp (E–Tec) 2004 & Newer • 85hp 1969–1980, 1991–1985 • 88hp 1981–1996 • 90hp 1981 & Newer • 90hp (E–Tec) 2004 & Newer • 100hp 1979–1980, 1988–1993 • 110hp 1986–1989 • 112hp 1994–1996 • 115hp 1973 & Newer • 115hp (E–Tec) 2004 & Newer • 120hp 1986–1994 • 125hp 1971–1972 • 130hp (E–Tec) 2004 & Newer • 135hp 1973–1976 • 140hp 1977–1994 Thru hub exhaust, 13 tooth spline	4 Stroke Outboard Engines: • 60hp 1998 & Newer • 70hp 1998 & Newer • 90hp 2003 & Newer • 115hp 2003 & Newer • 140hp 2003 & Newer Sterndrives: Model 400 • 2.3 L (120hp) thru 1991 • 2.5 L (120hp) 1978–1984 • 3.0 L (140hp) thru 1989 Cobra • 2.3 L (128hp) 1988–1991 • 2.5 L (120hp) 1985–1987 • 3.0 L (140hp) 1985–1987	J70 14 × 13 J70 13 3/4 × 15 J70 13 1/4 × 17 J70 14 × 17	391668 391198 763463 176214	3 3 3 3

Outboard Engine		Description	OEM Part No.	Blds	
 	[90–300hp] 2 Stroke Outboard Engines: • 90hp 1995 & Newer • 90hp (E–Tec extra long) 2004 & Newer • 100hp (commercial) 1984 & Newer • 115hp 1995 & Newer • 120–140hp 1985 • 130hp 1995 & Newer • 140hp (25") 1989–1994 • 150hp (commercial) 1993 & Newer • 150hp 1978 & Newer • 155hp (commercial) 1978 & Newer • 175hp 1977 & Newer • 185hp 1984–1985 • 200hp 1976 & Newer • 225hp 1986 & Newer • 235hp 1978–1985 • 250hp 1991 & Newer • 275hp 1986–1988 • 300hp 1986–1995 • 2.6 L 1984–1985 • 3.6 L 1986–1987 Thru hub exhaust, 15 tooth spline	Sterndrives : Model 800, Cobra, & King Cobra : • 3.0 L–8.2 L (non SX drives) 1990–1993 • Cobra 5.8 L 1990–1993 • Sea Drive 2.0–4.0 L All Years	J150 15 1/2 × 13 J150 15 1/2 × 15 J150 15 × 17	763453 391535 391200	3 3 3
	E	Mercury E Propeller + Hub Kit [JME–PH]	JM150 15 1/4 × 15 JM135 15 × 17 JM150 14 1/2 × 19 JM150 14 1/4 × 21 JM150 14 × 23 4JM150 15 × 16 4JM150 14 1/2 × 18 4JM150 14 × 20	48–78116A45 48–832828A45 48–832830A45 48–832832A45 48–832834A45 48–834850A45 48–834852A45 48–834854A45	3 3 3 3 3 4 4 4



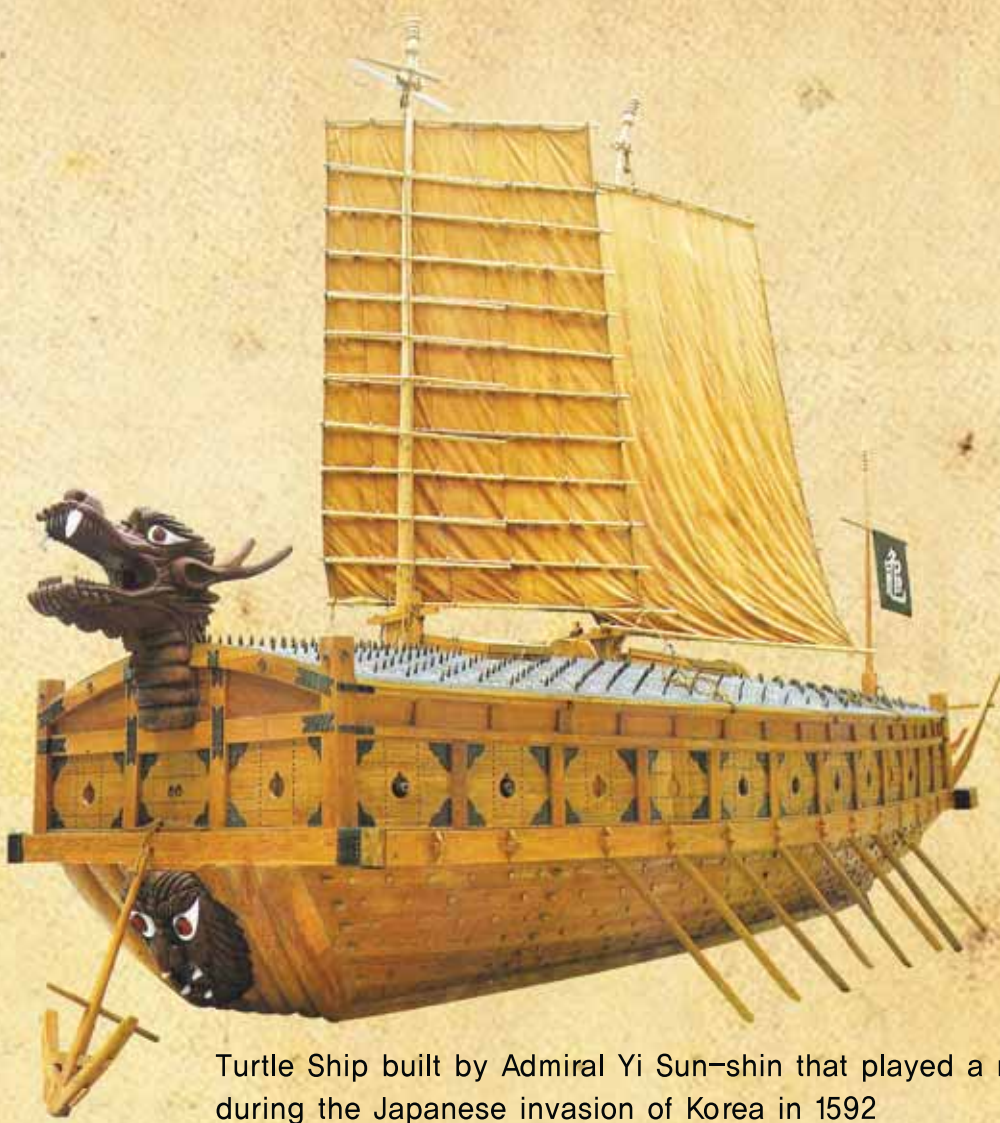
BS.PRO aluminum propellers are
the crystals of our endeavor.

Baeksan Hub Kit List

Class	Engine/ Part No.	Part List		Class	Engine/ Part No.	Part List	
D	MERCURY / MD-PH		Forward Thrust Washer Plastic Drive Sleeve After Drive Adapter Tab Washer Propeller Nut		MERCURY / ME-PH		Forward Thrust Washer Plastic Drive Sleeve After Drive Adapter Tab Washer Propeller Nut
	HONDA / HD-PH		Forward Thrust Washer Plastic Drive Sleeve After Drive Adapter Castle Nut ★After Washer ★Washer ★Cotter pin		HONDA / HME-PH		Forward Thrust Washer Plastic Drive Sleeve After Drive Adapter Castle Nut ★Washer ★Cotter pin
	TOHATSU / TMD-PH		Forward Thrust Washer Plastic Drive Sleeve After Drive Adapter Castle Nut ★Washer ★Cotter pin		JOHNSON (EVINRUDE) / JME-PH		Forward Thrust Washer Plastic Drive Sleeve After Drive Adapter Castle Nut ★Washer ★Cotter pin
SX	VOLVO / SXM-PH		Forward Thrust Washer Plastic Drive Sleeve After Drive Adapter After Washer Castle Nut ★Cotter pin				

★not included. Please use O.E.M. parts.
**MD-PH and ME-PH are the same one.





Turtle Ship built by Admiral Yi Sun-shin that played a remarkable role during the Japanese invasion of Korea in 1592



Painting describing a smithy smelting iron in the 16th century



BS.PRO

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