



ALUMINIUM PROPELLERS



STAINLESS STEEL PERFORMANCE AT ALUMINUM PRICES

Stainless steel blade geometry used in all aluminum patterns results in less blade flex. Higher efficiency equals better fuel economy, better top end, faster hole shot, and excellent cornering & handling.

TUNED VENTS FOR FAST HOLE SHOT

Vent holes in the prop's barrel allow exhaust gases to escape, reducing water density around the propeller's blades during acceleration. This causes the propeller to rotate faster at slower speeds resulting in more HP. More HP at lower speeds means faster acceleration and a faster hole shot. Turning Point is the only manufacturer offering this race proven feature in our Hustler & Legacy Aluminum Propellers. Available on most models, please refer to selection chart.

PERFORMANCE TUNED RAKE ANGLES

Higher rake angles tighten the vortex produced by the prop, adding to boat lift and overall performance.

IMPROVE HANDLING AND BOAT LIFT

Through advanced pitch line and rake line cupping.

HIGH FLOW-THROUGH BARREL EXHAUST SYSTEM

Maximizing exhaust flow increases horsepower and top end speed.

TUNED PROGRESSIVE PITCH ANGLES

Accelerating and channeling water to minimize slip increases performance and fuel economy.

LONG LASTING FINISH - POWDER COATED

The 5 step process creates a uniform, durable, high-quality, and attractive finish that protects the aluminum from corrosion.

COMPATIBLE WITH COMPETITORS' HUB SYSTEMS

Works with Mercury® Flow-Torq®, Michigan Wheel® XHS®, Solas® Rubex™ hub kit systems (All trademarks are the property of their respective owners). NOTE: Not applicable with Turning Point's 10, 20 and 200 Hub Kit series.

Hub Kit Available for Aluminum

Turning Point offers its unique hub and housing system from 8HP to 300+HP, a range of engines un-matched in the industry. Hub kit covered by USA & worldwide patents

Utilizing high tech shock absorbing polymers and a solid brass spindle, the Turning Point MasterGuard & MasterTorque hubs will not corrode or break like competing hubs, and are covered by an industry leading Lifetime Warranty. Each hub's one piece design ensures simple housing replacement, making a prop change quick and easy.



SQUEEZE CAST FOR ADDED STRENGTH

Turning Point Exclusive Process applied to all aluminum props - Squeeze Cast process generates the highest mechanical properties attainable in a cast product, resulting in tighter grain structures. Competitors use old Die Cast processes that results in high blade flex and poor performance.



TURNING POINT EXCLUSIVE PROCESS · TIGHT GRAIN · STRONG AND STIFF · REDUCES FLEX FOR MAXIMUM THRUST



COMPETITORS' PROCESS · POCKETS, VOIDS, AIR BUBBLES · WEAK AND FLEXIBLE · INEFFICIENT TRANSFER OF POWER · POOR REPAIRABILITY



FOUR BLADE ALUMINUM HUSTLER PROPELLER

New Four Blade Design uniquely engineered with two blade geometries: two blades utilize the Hustler high performance variable rake and aggressive pitch design for incredible hole shot and cornering, and two blades utilize a "cleaver" style shape for high speed and maximum stern lift.

This combination results in the highest performance aluminum propeller on the market, unmatched in cornering, acceleration, boat handling, and top speed. This is the ultimate water sports propeller, but also offers any boater four blade performance with none of the usual top speed reductions normal to other designs.



HUB

ELIMINATE HUB SYSTEM VIBRATION & CHATTER

Innovative one-piece design reduces the number of parts and eliminates failures commonly seen in multi-part hub systems.

ELIMINATE HUB CRACKING & FAILURE

The glass reinforced high-tech polymer construction increases flexibility, eliminating potential material stress fractures.

CORROSION RESISTANT MATERIALS

Premium corrosion resistant brass splines.

REDUCE GEAR SHOCK & ENGINE/DRIVE DAMAGE

Shock absorbing hi-tech polymer cushion.

REDUCES INVENTORY COST

Turning Point is the only manufacturer to offer the hub and housing system down to 8HP outboard applications.

REDUCE PROP REPLACEMENT COST BY 20-30%

Hub kits are designed to be reusable even after most propeller impacts, eliminating the need to replace the hub system when replacing a damaged propeller.

EASY TO INSTALL – CONSUMER FRIENDLY

Clear and easy step by step directions coupled with minimal parts makes installation easy.

INCREASES PERFORMANCE AND HP

High-flow through barrel exhaust system maximizes exhaust flow increasing horsepower and top end speed.



INTERCHANGEABLE AVEC LES HÉLICES CONCURRENTES INTERCHANGES WITH OTHER MANUFACTURERS' PROPELLERS

Upgrades and replaces Mercury® Flow-Torq®, Michigan Wheel® XHS®, Solas® Rubex™ hub kit systems (All trademarks are the property of their respective owners). NOTE: Not applicable with Turning Point's 10, 20 and 200 Hub Kit series.



REDUCES 25-75HP HUB INVENTORY BY ALMOST 60%

Competitor's hub kit systems take 7 kits to fit engine applications in the 25-75HP range, where Turning Point only needs 3 kits (10 Series Hub Kits).

US Patent #6,471,481, #6,685,432 & worldwide patents.

US and worldwide patents pending.



500 SERIES HUB SYSTEM
40 - 300+ HP

10 SERIES HUB SYSTEM
40 - 75 HP



20 SERIES HUB SYSTEM
20 - 35 HP



200 SERIES HUB SYSTEM
8 - 18 HP





STAINLESS STEEL PROPELLERS

IMPROVED HANDLING AND BOAT LIFT

Through advanced pitch line and rake line cupping, maximizes exhaust flow increasing horsepower and top end speed.

TUNED PROGRESSIVE PITCH ANGLES

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TUNED VENTS FOR FAST HOLE SHOT

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HIGH FLOW-THROUGH BARREL EXHAUST SYSTEM

Maximizing exhaust flow increases horsepower and top end speed

COMPATIBLE WITH COMPETITORS' HUB SYSTEMS

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NOTE: Not applicable with Turning Point's 10, 20 and 200 Hub Kit series.

HUB KIT SYSTEM AVAILABLE FOR STAINLESS

Turning Point offers its unique hub and housing system from 8HP to 300+HP, a range of engines unmatched in the industry. Hub kit covered by USA & worldwide patents

Utilizing high tech shock absorbing polymers and a solid brass spindle, the Turning Point MasterGuard & MasterTorque hubs will not corrode or break like competing hubs, and are covered by an industry leading Lifetime Warranty. Each hub's one piece design ensures simple housing replacement, making a prop change quick and easy.



Ce document n'est pas contractuel - This document is not contractual



Engine	Year	Hub ref.	OEM Ref.	Ø x Pitch	Propeller Ref.
8 TO 18 HP - HUSTLER - ALUMINIUM					
8 Splines					
2 Strokes : 6, 8, 9.9 HP	86 & +	HHB 201			
4 Strokes : 9.9 HP	94/04	HHB 201	48-828156A12	9 x 9	HHB R4 0909
2 & 4 Strokes 15 HP	89 & +	HHB 201	48-828158A12	9 x 10	HHB R4 0910
Sea Pro & Marathon 10, 15 HP	95 & +	HHB 201			
14 Splines / Cotter Pin (Nissan)					
8 & 9.9 Bigfoot 4 Strokes	05 & +	HHB 207	362W641020	9 x 9	HHB R4 0909
4 Strokes 15 & 20 HP	07 & +	HHB 207	362W641010	9 x 10	HHB R4 0910
12 Splines / Cotter Pin					
4 Strokes : 8 & 9.9 HP	05 & +	HHB 208	/	9 x 9	HHB R5 0909
			/	9 x 10	HHB R5 0910
20 TO 35 HP - HUSTLER - ALUMINIUM					
10 Splines					
9.9 & 15 Bigfoot	00/05	HHB 21			
18 HP	80/85	HHB 21	48-19638A40	10-1/2 x 11	HHB R1 1011
20 HP	86 & +	HHB 21	48-19640A40	10-1/8 x 13	HHB R1 1013
25 HP 2 Strokes	85 & +	HHB 21			
10 Splines / Cotter Pin					
4 Strokes : 25 & 30 HP	06 & +	HHB 28	/	10-3/8 x 11	HHB R2 1011
			/	10-3/8 x 13	HHB R2 1013
40 TO 75 HP - HUSTLER - ALUMINIUM					
13 Splines					
25 HP Bigfoot 4 Strokes	99 & +	HHB 11			
30 HP 4 Strokes	94/05	HHB 11			
30 HP 2 Strokes	94 & +	HHB 11	48-42738A10	12-1/2 x 8	HHB H1 1208
35 HP 2 Strokes	84/89	HHB 11	48-42740A10	12 x 10-1/2	HHB H1 1210
40 to 60 HP 4 Strokes	All	HHB 11	48-85632A40	10-7/8 x 11	HHB H1 1011
40/50/60 HP 2 Strokes	77 & +	HHB 11	48-816702A40	10-3/4 x 12	HHB H1 1012
45 HP 2 Strokes	86/89	HHB 11	48-816704A40	10-1/2 x 13	HHB H1 1013
55 HP 2 Strokes	95 & +	HHB 11	48-816706A40	10-3/8 x 14	HHB H1 1014
70 HP 2 Strokes	< 83	HHB 11	48-73140A40	10-1/8 x 15	HHB H1 1015
* If propeller strikes trim tab, replace with Mercury part # 822777A1 or 76214AS.					
40 TO 150 HP - HUSTLER - ALUMINIUM					
40 to 60 Bigfoot 4 Strokes	All	HHB 501			
70 HP	87/89	HHB 501			
75 HP	84 & +	HHB 501			
80 HP	78/89	HHB 501	48-77338A40	14 x 11	HHB LE1 1411
90 HP	78 & +	HHB 501	48-77340A40	14 x 13	HHB LE1 1413
100 HP	88 & +	HHB 501	48-77342A40	13-3/4 x 15	HHB LE1 1315
115 HP	78 & +	HHB 501	48-77344A40	13-1/4 x 17	HHB LE1 1317
115 HP 4 Strokes	01 & +	HHB 501	48-77346A40	13-1/4 x 19	HHB LE1 1319
125 HP	95 & +	HHB 501	48-77348A40	13-1/4 x 21	HHB LE1 1321
140 HP	78/81	HHB 501			
150 XR4/XR6 = Mariner Magnum I, II, III	<1993	HHB 501			
* Mercury/Mariner (1977 and older) not available in our range of products					



Engine Year Hub ref. OEM Ref. Ø x Pitch Propeller Ref.

135 TO 300 HP - HUSTLER - ALUMINIUM

15 Splines

V-6 Embase : 135 to 300 HP except Pro XS Includes DFI, EFI, Magnum, Offshore, Optimax, SeaPro & XRI.	78 & +	HHB 501	48-78116A40 48-832828A45	15-1/4 x 15 14-1/2 x 17	3 Blades HHB LE 1515 HHB LE 1417
135 to 275 HP Verado	All	HHB 501	48-78120A40	14-1/4 x 19	HHB LE 1419
Alpa One & Bravo One	83 & +	HHB 501	48-78122A40 48-78124A40	14-1/4 x 21 14-1/4 x 23	HHB LE 1421 HHB LE 1423
			/	14 x 17	4 Blades RH & LH HHB LE 1417 4(L) HHB LE 1419 4(L) HHB LE 1421 4(L)
			/	14 x 19	
			/	14 x 21	

* Mercury/Mariner (1977 and older) not available in our range of products

40 TO 75 HP - EXPRESS - INOX

13 Splines

25 HP Bigfoot 4 Strokes	99 & +	HHB 11			
30 HP 4 Strokes	94/05	HHB 11			
30 HP 2 Strokes	94 & +	HHB 11	48-97868A10	12 x 9	HHB E1 1209
35 HP 2 Strokes	84/89	HHB 11	/	12 x 11	HHB E1 1211
40 to 60 HP 4 Strokes	All	HHB 11	/	12 x 13	HHB E1 1213
40/50/60 HP 2 Strokes	77 & +	HHB 11	48-823478A5 48-855856A5	10-1/2 x 11 10-1/2 x 12	HHB E1 1011 HHB E1 1012
45 HP 2 Strokes	86/89	HHB 11	48-855858A5	10-1/2 x 13	HHB E1 1013
55 HP 2 Strokes	95 & +	HHB 11	48-855860A5	10-1/2 x 14	HHB E1 1014
70 HP 2 Strokes	< 83	HHB 11	48-855862A5	10-1/2 x 15	HHB E1 1015

* If propeller strikes trim tab, replace with Mercury part # 822777A1 or 76214AS.

40 TO 150 HP - EXPRESS - INOX

15 Splines

40 to 60 Bigfoot 4 Strokes	All	HHB 501			
70 HP	87/89	HHB 501			
75 HP	84 & +	HHB 501	/	14 x 11	HHB PA1 1411
80 HP	78/89	HHB 501	/	14 x 13	HHB PA1 1413
90 HP	78 & +	HHB 501	48-16986A5	13-1/4 x 15	HHB PA1 1315
100 HP	88 & +	HHB 501	48-16988A5	13-1/4 x 17	HHB PA1 1317
115 HP	78 & +	HHB 501	QS5120	13-1/4 x 19	HHB PA1 1319
115 HP 4 Strokes	01 & +	HHB 501	QS5122	13-1/4 x 21	HHB PA1 1321
125 HP	95 & +	HHB 501			
140 HP	78/81	HHB 501			
150 XR4/XR6 = Mariner Magnum I, II, III	<1993	HHB 501			

* Mercury/Mariner (1977 and older) not available in our range of products

135 TO 300 HP - EXPRESS - INOX

15 Splines

V-6 Embase : 135 to 300 HP except Pro XS Includes DFI, EFI, Magnum, Offshore, Optimax, SeaPro & XRI.	78 & +	HHB 501	48-16314A4 48-16316A4 48-16318A4 48-16320A4	3 Blades 14-1/4 x 17 14-1/4 x 19 14-1/4 x 21 14-1/4 x 23	HHB PA 1417 HHB PA 1419 HHB PA 1421 HHB PA 1423
135 to 275 HP Verado	All	HHB 501			
Alpa One & Bravo One	83 & +	HHB 501	/	4 Blades 14 x 15 14 x 17 14 x 19 14 x 21	HHB PA 1415 4 HHB PA 1417 4 HHB PA 1419 4 HHB PA 1421 4
			/		
			RH	3 Blades 15 x 15 15 x 17 15 x 19 15 x 21	HHB VO 1515 HHB VO 1517 HHB VO 1519 HHB VO 1521
* If propeller strikes trim tab, replace with Mercury part # 822777A1 or 76214AS.			48-19838A46 48-18278A46 48-13700A46 48-13702A46		
			RH	4 Blades 14-1/2 x 17 14-1/2 x 19 14-1/2 x 21 14-1/2 x 23	HHB VO 1417 4 HHB VO 1419 4 HHB VO 1421 4 HHB VO 1423 4
			48-857024A46 48-857026A46 48-857028A46 48-857030A46		

* Please add "L" at the end of our code to order a Left Hand rotation propeller (LH)