

ALUMINUM

IMPROVED PERFORMANCE



Vortex XHS



Vortex XHS 4-Blade



Vortex XHS 4-Blade
20-70 HP



A high performance aluminum propeller utilizing the XHS Xchangeable Hub System, Vortex propellers feature high performance blade geometry, precision balanced blades and high gloss powder coat. Available for a full range of applications (9.9 HP thru V6/V8 Outboard & Sterndrive), Vortex propellers are a great choice for a replacement or spare propeller.



Due to popular demand, we have extended our new Vortex 4-blade outboard propellers series. The new Vortex 4-blade propellers are designed to provide an increase in hole shot, without the sacrifice of top-end speed. The brand new, aggressive blade geometry combines with added cup for peak acceleration and grip, while a reduced diameter helps maintain top-end speed.



With equivalent or increased performance over OEM, at a lower cost, Vortex V4 outboard 4-blade propellers are ideal for pontoon, and deep-v aluminum fishing boats.



Michigan Wheel's Xchangeable Hub System absorbs impact and stress caused by shifting gears and is designed to spin under significant impact to help protect your lower unit. XHS™ / XHS™ II is also designed to be interchangeable with Mercury's Flo-Torq II hub system, potentially saving you money when replacing or upgrading your propeller.

STEP 1:

Locate Horsepower/Model and Year that corresponds with the engine application.
Read across to reference XHS® / XHS II® Hub Kit & propeller series that corresponds to engine.


Engine Year & Configuration

XHS® Series

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Evinrude/Johnson

15 HP (E-Tec) 2011 & Newer; **20 HP** 1984-1997; **25 & 30 HP** 1984 & Newer;
25 & 30 HP (E-Tec) 2009 & Newer; **35 HP** 1976 & Newer; 14 Tooth..... **118**.... E
25 & 30 HP (4-Stroke) 2004-2007; 10 Tooth Spline..... **121**.... E
40 & 50 HP (4-Stroke) 1999-2005; 13 Tooth Spline..... **115**.... D
40-75 HP Small Gearcase (3-3/8") 1975-2005; 13 Tooth Spline..... **111**.... C
40-75 HP Large Gearcase (4-1/4") 1968 & Newer; 13 Tooth Spline..... **206**.... B
60 & 70 HP (4-Stroke) 1998 & Newer; 13 Tooth Spline **210**.... B
85-140 HP 1969 & Newer; 13 Tooth Spline **206**.... B
90 & 115 HP (4-Stroke) 2002-2005; 15 Tooth Spline **225**.... B
140 HP (4-Stroke) 2002-2005; 15 Tooth Spline **226**.... B
90-300 HP, Lg. Gearcase 1976-1990; 15 Tooth Spline..... **201**.... A
90-300 HP, Lg. Gearcase 1991 & Newer; 15 Tooth Spline **200**.... A
200 & 225 HP (4-Stroke) 2004-2005; 15 Tooth Spline..... **204**.... A
 **200-300 HP E-TEC G2 Gearcase** 2014 & Newer; 15 Tooth Spline..... **228**.... A

Force

25 HP 1995-1998; 10 Tooth Spline **120**.... E
40 & 50 HP 1995-1998; **70 HP** 1991-1995; **75 HP** 1996-1998; 13 Tooth..... **114**.... D
75-150 HP 1995-1999; **85-150 HP (Dual Exhaust)** 1988-1994; 15 Tooth..... **202**.... B

Honda

BF 25 1994 & Newer; **BF 30** 1995 & Newer; 10 Tooth Spline **119**.... E
BF 35 & 45 1991-1994; **BF 40/50/50A** 1995 & Newer;
..... **113**.... D
BF 60; 2010 & Newer; 13 Tooth Spline **202**.... B
BF 75 & BF 90 1995-1998; 15 Tooth Spline **202**.... B
BFP 60 2010 & Newer; **BF 75 & BF 90** 1999 & Newer;
..... **207**.... B
BF 115 1998-2010; **BF 130** 1998-2004; 15 Tooth Spline..... **207**.... B
BF 135-250 HP 2002 & Newer; **BF 115D** 2011 & Newer; 15 Tooth **207**.... A

Mercury/Mariner/Mercruiser

9.9, 15 HP (4-Stroke/Bigfoot/Sail) 1999-2005; **18 HP (Mercury)** 1980-1985;
20 & 25 HP (Not 4-Stroke) 1980-2005; 10 Tooth Spline..... **120**.... E
25 & 30 HP (4-Stroke - Not Bigfoot) 2006 & Newer; 10 Tooth Spline **122**.... E
25 HP Bigfoot 1999-2005; **30 HP (Sea Pro/Marathon)** 1994 & Newer;
30 HP (2- & 4-Stroke) 1994-2005; **35 HP** 1984-1989; **40-50 HP** 1974-1976;
40/50/70 HP 1977-1984; **45 HP** 1986-1989;
40 & 50 HP (2- & 4-Stroke, Not Bigfoot) 1977 & Newer;
48 HP (Mariner) All Years; **55 HP (Mercury/Sea Pro/Marathon)** 1995 & Newer;
60 HP (Not Bigfoot) 1978 & Newer; **60 HP (Mariner)** 1976; **65 HP** 1972-1976;
70 HP Thru 1983; **80 HP (Mariner)** 1977; 13 Tooth Spline..... **114**.... D
40-140 HP (Except 135 HP) V4 Gearcase 1961 & Newer; 15 Tooth..... **202**.... B
135-300 HP 1978 & Newer; 15 Tooth Spline **202**.... A
Mercruiser Alpha One & Bravo One (< 400 HP); 15 Tooth Spline..... **202**.... A

Nissan/Tohatsu

25 & 30 HP 1985-2001; **25 & 30 HP (4-Stroke)** 2002 & Newer; 13 Tooth .. **122**.... E
35 HP (35B Only) Thru 1984; **40 HP** 1984 & Newer;
50 HP (All Except 50C) 1992 & Newer; 13 Tooth Spline **116**.... D
50 HP (50C Only) 1987-1991; **55 HP** 1981-1988;
60A 1986-1999; **70A & 70B** 1981-1995; 13 Tooth Spline **112**.... C
60-140 HP, 4-1/4" Gearcase 1987 & Newer; 15 Tooth Spline..... **209**.... B

OMC/Cobra Sterndrives

Model 400 Cobra 1978-1991; 13 Tooth Spline..... **206**.... B
Model 800/Cobra/King Cobra 1978-1990; 15 Tooth Spline **201**.... A
Model 800/Cobra/King Cobra 1991-1994; 15 Tooth Spline **200**.... A
Cobra SX 1994 & Newer; 19 Tooth Spline **205**.... A

Suzuki

DT 20 & DT 25 1985-1988; **DT 25C** 1989-2000; **DF 25A** 2014 & Newer;
DT 30 1983-1997; **DT 30C** 1987-1997; **DF 30A** 2014 & Newer;
DF 25 & DF 30 (4-Stroke) 2000-2007; 10 Tooth **121**.... E
DT 35C 1987-1989; **DT 40** 1983-1998; **DF 40 & DF 50 (4-Stroke)** 1999-2010;
DF 40A & 50A 2011 & Newer; **DT 50 & 50M** 1983-1984; **DT 55** 1985-1997;
DT 60 1983-1984; **DF 60A** 2010 & Newer; **DT 65** 1985-1997; 13 Tooth..... **115**.... D
DF 60 (4-Stroke) 1998-2009; **DF 70 (4-Stroke)** 1998-2008;
DT 75/85/100/115/140 1979-2001; 13 Tooth Spline **210**.... B
DF 90 2001-2008; **DF 100** 2009 & Newer; **DF 115** 2001-2012 **225**.... B
DF 115A & 140A 2013 & Newer; **DF 140** 2002-2012; 15 Tooth Spline **226**.... B
DF 70A/80A/90A 2009 & Newer; 15 Tooth Spline **227**.... B
150-300 HP (Including 4-Stroke) 1986 & Newer; 15 Tooth Spline..... **204**.... A

Yamaha

20 HP 1996-1997; **25 HP** 1980 & Newer; **F25 (4-Stroke)** 1998-2006
F25 (4-Stroke) 2010 & Newer; **30 HP** 1983-2002; 10 Tooth Spline..... **123**.... E
T25 2010 & Newer; **F30 (4-Stroke)** 2001-2005;
40 HP & 50 HP (Not T50) 1984 & Newer; **F40 (4-Stroke)** 1999 & Newer;
48 HP 1995-2000; **F50 (4-Stroke)** 1995 & Newer; **55 HP** 1976-1995;
60 HP 1976-1991; **F60 (4-Stroke)** 1999 & Newer..... **117**.... D
50-100 HP (Including 4-Stroke) 1984 & Newer; 15 Tooth Spline..... **208**.... B
115 & 130 HP 1984 & Newer; **F115 (4-Stroke)** 2000 & Newer; 15 Tooth ... **203**.... B
80-140 HP 1977-1983; 15 Tooth Spline..... **202**.... B
150-175 HP 1978-1983; 15 Tooth Spline..... **202**.... A
150-300 HP (Including 4-Stroke) 1984 & Newer; **300 HP** 2004-07 **203**.... A
Sterndrives 1989-1993; 15 Tooth Spline..... **203**.... A





Volvo Penta

SX Sterndrives 1994 & Newer; 19 Tooth Spline **205**.... A

STEP 2:

Select propeller diameter and pitch from corresponding propeller series that best meets your vessel and usage.
Refer to *MWM 2016 OBSD Catalog* for specific engine years.
For complete installation, select a hub kit AND a propeller.

VORTEX® XHS® SERIES ALUMINUM PROPELLERS

PROP SERIES A			PROP SERIES B			PROP SERIES C			PROP SERIES D						PROP SERIES E		
3 & 4-Blade			3 & 4-Blade			3 & 4-Blade			Standard 3 & 4-Blade			Large Diameter 3 & 4-Blade			Standard 3-Blade		
DIA x PITCH	BLD #	PART #	DIA x PITCH	BLD #	PART #	DIA x PITCH	BLD #	PART #	DIA x PITCH	BLD #	PART #	DIA x PITCH	BLD #	PART #	DIA x PITCH	BLD #	PART #
16x13	3	992001	14x11	3	992209	11-1/2x8	4	992401	 10-5/8x12	4	941212	11-1/2x8	4	992401	10-1/2x9	3	992501
15-1/4x15	3	992002	13-3/4x13	3	992212	11-1/2x9	4	992402	 10-5/8x13	4	941213	11-1/2x9	4	992402	10-1/2x10	3	992502
16x16	3	931516	13-1/2x15	3	992213	11-1/2x10	4	992403	 10-1/8x14	4	941214	11-1/2x10	4	992403	10-1/2x11	3	992503
15x17	3	992003	13-1/4x17	3	992214	11-3/4x13	3	992301	 10-1/8x15	4	941215	12-1/4x9	3	992601	10-1/8x12	3	992504
14-1/2x19	3	992004	13x19	3	992215	11-3/4x15	3	992302	10-3/8x11	3	992404	11-3/4x10	3	992602	10-1/8x13	3	992505
14-1/4x21	3	992005	13x21	3	992216	11-3/4x17	3	992303	10-3/8x12	3	992405	11-5/8x11	3	992603	10-1/8x14	3	992506
14x23	3	992006	13-7/8x11	4	941411	12-1/2x13	3	992311	10-3/8x13	3	992406	11-3/8x12	3	992604			
15x16	4	992202	13-7/8x13	4	941413	12-1/4x15	3	992312	10-3/8x14	3	992407	11-1/8x13	3	992605			
14-1/2x18	4	992203	13-3/8x15	4	941415				10x15	3	992408	11-1/4x14	3	992606			
14x20	4	992204	13x17	4	941417				10x16	3	992409						
			12-1/2x19	4	941419												