

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.

NEW Due to popular demand, we have extended our new **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 Tooth118..... 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 Spline210..... B
85-140 HP 1969 & Newer; 13 Tooth Spline206..... B
90 & 115 HP (4-Stroke) 2002-2005; 15 Tooth Spline225..... B
140 HP (4-Stroke) 2002-2005; 15 Tooth Spline226..... B
90-300 HP, Lg. Gearcase 1976-1990; 15 Tooth Spline201..... A
90-300 HP, Lg. Gearcase 1991 & Newer; 15 Tooth Spline200..... A
200 & 225 HP (4-Stroke) 2004-2005; 15 Tooth Spline204..... A
200-300 HP E-TEC G2 Gearcase 2014 & Newer; 15 Tooth Spline.....228..... A

Force

25 HP 1995-1998; 10 Tooth Spline120..... 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 Spline119..... E
BF 35 & 45 1991-1994; BF 40/50/50A 1995 & Newer;
BF 60; 2010 & Newer; 13 Tooth Spline113..... D
BF 75 & BF 90 1995-1998; 15 Tooth Spline202..... B
BFP 60 2010 & Newer; BF 75 & BF 90 1999 & Newer;
BF 115 1998-2010; BF 130 1998-2004; 15 Tooth Spline.....207..... B
BF 135-250 HP 2002 & Newer; BF 115D 2011 & Newer; 15 Tooth207..... 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 Spline122..... 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 Spline114..... D
40-140 HP (Except 135 HP) V4 Gearcase 1961 & Newer; 15 Tooth202..... B
135-300 HP 1978 & Newer; 15 Tooth Spline202..... 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 Spline116.... D
50 HP (50C Only) 1987-1991; 55 HP 1981-1988;
60A 1986-1999; 70A & 70B 1981-1995; 13 Tooth Spline112.... 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 Spline206.... B
Model 800/Cobra/King Cobra 1978-1990; 15 Tooth Spline201.... A
Model 800/Cobra/King Cobra 1991-1994; 15 Tooth Spline200.... A
Cobra SX 1994 & Newer; 19 Tooth Spline205.... 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 Tooth121.... 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 Spline210.... B
DF 90 2001-2008; DF 100 2009 & Newer; DF 115 2001-2012225.... B
DF 115A & 140A 2013 & Newer; DF 140 2002-2012; 15 Tooth Spline226.... B
DF 70A/80A/90A 2009 & Newer; 15 Tooth Spline227.... B
150-300 HP (Including 4-Stroke) 1986 & Newer; 15 Tooth Spline204.... 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 & Newer117.... D
50-100 HP (Including 4-Stroke) 1984 & Newer; 15 Tooth Spline208.... 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 Spline202.... A
150-300 HP (Including 4-Stroke) 1984 & Newer; 300 HP 2004-07203.... A
Sterndrives 1989-1993; 15 Tooth Spline203.... A

Volvo Penta

SX Sterndrives 1994 & Newer; 19 Tooth Spline205.... 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.

Part Number 99043416A Rev. B

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 #
16 x 13	3	992001	14 x 11	3	992209	11-1/2 x 8	4	992401	10-5/8 x 12	4	941212	11-1/2 x 8	4	992401	10-1/2 x 9	3	992501
15-1/4 x 15	3	992002	13-3/4 x 13	3	992212	11-1/2 x 9	4	992402	10-5/8 x 13	4	941213	11-1/2 x 9	4	992402	10-1/2 x 10	3	992502
16 x 16	3	931516	13-1/2 x 15	3	992213	11-1/2 x 10	4	992403	10-1/8 x 14	4	941214	11-1/2 x 10	4	992403	10-1/2 x 11	3	992503
15 x 17	3	992003	13-1/4 x 17	3	992214	11-3/4 x 13	3	992301	10-1/8 x 15	4	941215	12-1/4 x 9	3	992601	10-1/8 x 12	3	992504
14-1/2 x 19	3	992004	13 x 19	3	992215	11-3/4 x 15	3	992302	10-3/8 x 11	3	992404	11-3/4 x 10	3	992602	10-1/8 x 13	3	992505
14-1/4 x 21	3	992005	13 x 21	3	992216	11-3/4 x 17	3	992303	10-3/8 x 12	3	992405	11-5/8 x 11	3	992603	10-1/8 x 14	3	992506
14 x 23	3	992006	13-7/8 x 11	4	941411	12-1/2 x 13	3	992311	10-3/8 x 13	3	992406	11-3/8 x 12	3	992604			
15 x 16	4	992202	13-7/8 x 13	4	941413	12-1/4 x 15	3	992312	10-3/8 x 14	3	992407	11-1/8 x 13	3	992605			
14-1/2 x 18	4	992203	13-3/8 x 15	4	941415				10 x 15	3	992408	11-1/4 x 14	3	992606			
14 x 20	4	992204	13 x 17	4	941417				10 x 16	3	992409						
			12-1/2 x 19	4	941419												



Also available from Michigan Wheel - Michigan Match Rubber Hub Propellers
Michigan Match aluminum propellers featuring OEM-equivalent blade geometry. Every Michigan Match propeller features a NAVAL brass spindle with a rubber cushioned hub which absorbs impact and the stress caused by shifting gears. The rubber bushing is designed to spin free under significant impact, reducing the potential for lower unit damage.
For new engine installations, existing propeller upgrades, and affordable spare parts, Michigan Match propellers are the #1 choice of boaters worldwide.