

# STAINLESS

ULTIMATE PERFORMANCE



Apollo XHS



Ballistic XHS



Ballistic XHS 4-Blade



With sizes available for 30 HP thru V6/V8, Apollo Standard Diameter propellers can be utilized on typical Outboard & Sterndrive applications. Apollo Large Diameter propellers are great for heavier applications that require increased blade area. Apollo propellers are also available in 4-blade configurations for improved hole shot under heavier loads, and are great for pulling/towing for water sports.



Michigan Wheel's award-winning, ultimate performance propeller now utilizes the XHS® / XHS® II hub system. Ballistic® propellers feature characteristics of racing style propellers, including the proven Power Tip for peak efficiency. The Power Tip and cup combine to improve bite and reduce power loss, while highly cambered blade sections provide for higher speed and better bow lift. Available for a full range of applications (9.9 HP thru V6/V8 Outboard & Sterndrive), Ballistic propellers are the perfect choice for propeller upgrades.



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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XHS® Series

**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;  
**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  
**Mercuriser 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.

APOLLO® XHS®			PROP SERIES A V8/V6 APPLICATIONS			PROP SERIES B V4 APPLICATIONS			PROP SERIES D 30-70 HP					
Standard 3-Blade			Lg. Diameter 3-Blade			4-Blade			Standard 3-Blade					
DIA x PITCH	RH PART #	LH PART #	DIA x PITCH	RH PART #	LH PART #	DIA x PITCH	RH PART #	LH PART #	DIA x PITCH	RH PART #	LH PART #			
14-3/8 x 15	993042	993052				14-5/8 x 16	993203	993213	13-3/8 x 15	993143	993153	10-3/4 x 12	993405	
14-1/4 x 17	993043	993053	15-1/2 x 17	993023	993033	14-3/8 x 18	993204	993214	13-1/4 x 17	993144	993154	10-1/2 x 13	993406	
14-1/8 x 19	993044	993054	15-1/4 x 19	993024	993034	14-1/8 x 20	993205	993215	13-1/8 x 19	993145	993155	10-3/8 x 14	993407	
14 x 21	993045	993055	14-3/4 x 21	993025	993035	14 x 22	993206	993216	13 x 21	993146	993156	10-1/8 x 15	993408	
13-7/8 x 23	993046	993056	14-5/8 x 23	993026	993036									
BALLISTIC® XHS®			PROP SERIES A V8/V6 APPLICATIONS			PROP SERIES B V4 APPLICATIONS			PROP SERIES C		PROP SERIES D		PROP SERIES E	
Standard 3-Blade			Ballistic XL			Standard 3-Blade & XL			Standard 3-Blade		Standard 3-Blade		Standard 3-Blade	
DIA x PITCH	RH PART #	LH PART #	DIA x PITCH	BLD #	RH PART #	DIA x PITCH	BLD #	RH PART #	DIA x PITCH	RH PART #	DIA x PITCH	RH PART #	DIA x PITCH	RH PART #
14-7/8 x 15	933515		14-3/4 x 22	3	953522	13-5/8 x 15	Std. 3-Blade	933415	12-3/8 x 15	933315	10-1/8 x 13	933213	10-1/8 x 13	933013
14-3/4 x 17	933517	937517	14-3/4 x 24	3	953524	13-1/2 x 17	Std. 3-Blade	933417	12 x 17	933317	10-1/8 x 15	933215	10-1/8 x 15	933015
14-1/2 x 19	933519	937519	14-3/4 x 26	3	953526	13-3/8 x 19	Std. 3-Blade	933419						
14-3/8 x 21	933521	937521				13-1/8 x 21	Std. 3-Blade	933421						
14-1/4 x 23	933523	937523												
14-1/4 x 25	933525		14-1/8 x 23	4	963523	13-1/2 x 22	3-Blade XL	953422						
			14-1/8 x 25	4	963525	13-1/2 x 24	3-Blade XL	953424						
			14-1/8 x 27	4	963527									