



Xchangeable Hub System



Michigan Wheel's Xchangeable Hub System (XHS™) 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.

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			Lg. Diameter 3 & 4-Blade			Standard 3-Blade		
DIA x PITCH	BLD #	P/N	DIA x PITCH	BLD #	P/N	DIA x PITCH	BLD #	P/N	DIA x PITCH	BLD #	P/N	DIA x PITCH	BLD #	P/N	DIA x PITCH	BLD #	P/N
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												

APOLLO® XHS® SERIES STAINLESS STEEL PROPELLERS

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			Standard 3-Blade		
DIA x PITCH	RH P/N	LH P/N	DIA x PITCH	RH P/N	LH P/N	DIA x PITCH	RH P/N	LH P/N	DIA x PITCH	RH P/N	LH P/N	DIA x PITCH	RH P/N	LH P/N
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® SERIES STAINLESS STEEL PROPELLERS

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						
DIA x PITCH	RH P/N	LH P/N	DIA x PITCH	BLD #	RH P/N	DIA x PITCH	BLD #	RH P/N	DIA x PITCH	RH P/N	DIA x PITCH	RH P/N	DIA x PITCH	RH P/N
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	14-1/8 x 23	4	963523									
14-1/4 x 25	933525		14-1/8 x 25	4	963525	13-1/2 x 22	3-Blade XL	953422						
			14-1/8 x 27	4	963527	13-1/2 x 24	3-Blade XL	953424						

XHS II® ANWENDUNGSTABELLE



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

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
150-300 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;	
BF 60; 2010 & Newer; 13 Tooth Spline.....	113...D
BF 75 & BF 90 1995-1998; 15 Tooth Spline.....	202...B
BFP 60 2010 & Newer; BF 75 & BF 90 1999 & Newer; BF 100 2016 & 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/Mercuriser

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

Engine Year & Configuration XHS® Series

Nissan/Tohatsu

25 & 30 HP 1985-2001; 25 & 30 HP (4-Stroke) 2002 & Newer.....	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 50AV/60AV 2015 & Newer; DF 90 2001-2008;	
DF 100 2009 & Newer; DF 115 2001-2012; 15 Tooth Spline.....	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.....	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
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