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2020 IFMAR PRODUCTS LIST -- BRUSHLESS MOTORS: Issued: April 03, 2020.

**NOTE: Motors approved by IFMAR must comply with:- from 2013 Rule 5.2(d) and from 2018 - Rule 5.3(b), which requires access to measure stator length and visual for laminate thickness.
 Motors approved by IFMAR from 2015 must comply with Rule 5.5(e) which requires that all Rotors must have the Name/Logo and Part # shown.
 Motors from previous years without these features retain approval.**

<p>ASSOCIATED REEDY Sonic. M4</p>				<p>M4 - Winds 3.5T & 4.0T:- Laminates 0.35mm. Rotor in Sample :- # 27450 12.0 x 5mm. ----- M4 - Winds 4.5T to 9.5T:- Laminates 0.30mm. Rotor in sample:- #27448 12.5 x 5mm. ----- Optional rotors all winds :- Either of above plus:- # 27447 12.5 x 7.2mm. # 27449 13.0 x 5.0mm. # 27460 12.3 x 5.0mm.</p>
<p>ASSOCIATED REEDY Sonic. M4 6.5T - 1S Pt. # 27443 Twin lines around wind #</p>				<p>M4 - Wind 6.5T 27443:- Laminates 0.30mm. Rotor in Sample :- # 27460 12.3 x 5mm. Optional rotors :- # 27447 12.5 x 7.2mm. # 27448 12.5 x 5.0mm. # 27449 13.0 x 5.0mm. # 27450 12.0 x 5.0mm.</p>
<p>FREEMAX TECHNOLOGY Arrowmax Dash R-Tune V3</p>				<p>Rotor in Samples :- DA-730010. 12.3 x 5.0 mm Optional :- DA-730009. 12.15 x 5.0 mm</p>
<p>REDS RACING VX3</p>				<p>Rotor in Samples :- MSTE 0019. 12.5 x 5.0 mm Optional :- None submitted</p>
<p>SURPASS HOBBY</p>				<p>Rotor in Samples :- C52123. 12.3 x 5.0 mm Optional :- C53125. 12.5 x 5.0 mm</p>
<p>TEKIN Redline G4</p>				<p>Rotor in Samples :- TT 2777. 12.4 x 5.2 mm Optional :- None submitted</p>

<p>YOKOMO Racing Performer M4 Series</p>				<p>Rotor in samples:- RP-056 12.5 x 5mm Options:- RP-057 12.5 x 7.2 mm RP-058 12.3 x 5mm RP-059 12.3 x 7.2mm RP-060 12.2 x 5mm RP-061 12.2 x 7.2mm RP-062 13.0 x 5mm RP-063 13.0 x 7.2mm RP-064 12.0 x 5mm RP-065 12.0 x 7.2mm</p>
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2019 IFMAR PRODUCTS LIST -- BRUSHLESS MOTORS: Issued: Sept. 09, 2019.

<p>FREEMAX TECHNOLOGY Arrowmax Dash R-Tune V2</p>				<p>Rotor in samples:- DA730010 Black Ring Optionals:- None submitted</p>
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2019 IFMAR PRODUCTS LIST -- BRUSHLESS MOTORS: Issued: April 30, 2019.

<p>MACLAN MRR V2m</p>				<p>Rotor in samples:- MCL4174 Purple Ring Optionals:- MCL4187 Black Ring</p>
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<p>MUCHMORE Fleta ZX V2</p>				<p>Rotor in samples:- MR-FZR01 Al. s/c Ring Optionals:- MR-FZR03 Gold Ring MR-FZR07 Dk. Grey Ring</p>
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<p>RC CONCEPT ECR 10</p>				<p>Rotor in samples:- 50125 Black Ring Optionals:- None submitted</p>
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<p>UNITED SINO ENTERPRISES ORCA Modtreme</p>				<p>Rotor in samples:- RT18M121245 Black Ring Optionals:- None submitted</p>
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2018 IFMAR PRODUCTS LIST -- BRUSHLESS MOTORS: Issued: May 01, 2018.












<p>3.5T - 5.0T Open End-Caps HOBBYWING Xerun V10 G3 5.5T - 8.5T Closed End-Caps</p>				<p>Timing Adj.: 20-50 deg. Rotor in samples:- 3.5T :- <u>Shaft Code:</u> 30820019 5-12.1-A 4.5T & 5.0T :- 30820017 5-12.3-B 5.5T - 8.5T :- 30820020 5-12.5-A Optionals:- Any above, plus 30820401 5-12.5-T-B 30820402 5-12.3-T-B 30820418 1-BESB</p>
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ARROWMAX DASH R-Tune				Rotor in Samples :- 4.5T: <u>Shaft Code:</u> DA730001 RL125 Other Winds: DA730002. RS125 Optionals :- DA730003 RSS125 DA730004 RSS123 DA730005 RS121 DA730006 RS123 DA730007 RL121
TRINITY Monster Horsepower				Rotor in samples:- TEP1153 Green Ring Optionals:- TEP1151 Blue Ring TEP1152 Red Ring TEP1154 Black Ring
2017 IFMAR PRODUCTS LIST -- BRUSHLESS MOTORS: Issued: May 25, 2017				
PRT Elec. PRT AIRs Pro.				Rotor in Samples :- PRT 125HT. 12.5 x 5mm Optional :- PRT 12HT. 12.0 x 5mm
YOKOMO Racing Performer M3 Series				Rotor in samples:- RP-056 12.5 x 5mm Options:- RP-057 12.5 x 7.2 mm RP-058 12.3 x 5mm RP-059 12.3 x 7.2mm RP-060 12.2 x 5mm RP-061 12.2 x 7.2mm RP-062 13.0 x 5mm RP-063 13.0 x 7.2mm RP-064 12.0 x 5mm RP-065 12.0 x 7.2mm
MACLAN MRR				Rotor in Samples :- MCL 4077. 12.5 x 5mm Optional :- MCL 4078. 12.5 x 5mm MCL 4079. 13.0 x 5mm MCL 4075 12.5 x 7.2mm MCL 4076 12.5 x 7.2mm MCL 4093 12.5 x 7.2mm
LRP XTEC X22.				Rotor in samples:- 520502 12.5 x 5 mm Optional:- 520503 12.1 x 5mm 520504 12.3 x 5mm 520505 12.7 x 5mm 520506 13.0 x 5mm
LRP XTEC X22.				Optional End-Plate. Black - # 520500 Blue - # 520501
HOBBYWING Xerun V10 G2				14.11.16. Optional End-Cap Ass. Timing +30/+60. Part # 30820054

2016 IFMAR PRODUCTS LIST -- BRUSHLESS MOTORS: Issued: May 05, 2016

<p>TIANCO ORCA RT</p>				<p>Rotor in Samples :- ORR323M3. 12.3 x 5 mm Options -update 30.12.16 ORR423M0. 12.0 x 5 mm ORR321M1. 12.0 x 5 mm ORR233ML. 12.3 x 5mm ORR238ML. 12.3 x 5mm ORR253ML. 12.5 x 5mm ORR258ML. 12.5 x 5mm</p>
<p>REEDY Sonic. M3</p>				<p>Two stator designs. Rotor in Samples :- # 274 12.3 x 5mm. # 275 12.5 x 5mm. Optional rotors :- # 276 13.0 x 5mm. Added 2017:- # 271 12.0 x 7.2mm. # 272 12.2 x 7.2mm. # 273 12.5 x 7.2mm. # 286 12.3 x 7.2mm. # 296 12.0 x 5mm.</p>
<p>ORION Vortex VST2 Pro. V2 LW (2016)</p>				<p>Rotor in Samples :- ORI41470. 12.1 x 4.7mm Optional :- ORI41472. 12.5 x 4.7mm ORI41473. 12.5 x 4.7mm</p>
<p>ORION Vortex VST2 Pro. V2 LW ULTRA (2016)</p>				<p>Rotor in Samples :- ORI41547. 12.1 x 4.7mm Optional :- ORI41548. 12.1 x 4.7mm</p>
<p>ORION Vortex VST2 Pro. V2 XLW (2016)</p>				<p>Rotor in Samples :- ORI41470. 12.1 x 4.7mm Optional :- ORI41472. 12.5 x 4.7mm ORI41473. 12.5 x 4.7mm</p>
<p>ORION Vortex VST2 Pro. V2 XLW ULTRA (2016)</p>				<p>Rotor in Samples :- ORI41547. 12.1 x 4.7mm Optional :- ORI41548. 12.1 x 4.7m</p>
<p>TEKIN Redline Gen 3</p>				<p>Rotor in Samples :- Tek. 2723. 13.0 x 7.2 mm Tek. 2721. 12.5 x 7.2 mm Optional :- Tek. 2724 13.0 x 5 mm Tek. 2719 12.3 x 7.2 mm Tek. 2722 12.5 x 7.2 mm</p>
<p>HOBBYWING Xerun V10 G2</p>				<p>Rotor in Samples :- 30820002. 12.3 x 5 mm Optional :- 30820006. 12.5 x 5 mm 30820008. 13.0 x 5 mm 30820010. 12.3 x 5 mm 30820012. 12.1 x 5 mm 30820013. 12.5 x 5 mm</p>

2015 IFMAR PRODUCTS LIST -- BRUSHLESS MOTORS: Issued Aug. 25, 2015

<p>YOKOMO Race Performer M2</p>				<p>Rotor in Samples :- RP-021. 12.5 x 5 mm Optional :- RP-022. 12.5 x 7.2 mm RP-023. 12.3 x 5 mm RP-024. 12.3 x 7.2 mm RP-025. 14.0 x 5 mm RP-026. 13.5 x 5 mm RP-027. 12.0 X 7.2 mm</p>
<p>SUNRAY TECHNOLOGY Trion TricoRoll MM</p>				<p>Rotor in Samples :- TB 1443. 12.5 x 5 mm Optional :- TB 1444. 12.75 x 5 mm MR-FZR06. 12.80 x 5 mm</p>
<p>SCORPION POWER RS-3420</p>				<p>Rotor in Samples :- 975. 12.5 x 4 mm Optional :- 976. 12.3 x 4 mm 977. 12.0 x 4 mm</p>
<p>VAMPIRE AB+ V2</p>				<p>20.07.14: Updated all aluminium timing & end-plate Ass. fitted.</p>
<p>MUCMORE FLETA ZX. Optional tuning part.</p>				<p>05.08.14. Aluminium timing-plate MR-FZAT fitted.</p>

2014 IFMAR PRODUCTS LIST -- BRUSHLESS MOTORS: Issued June 20, 2014






<p>TEAM POWERS Actinium</p>				<p>Rotor in Samples :- 12.5 x 5 mm.</p>
<p>TRINITY D3.5</p>				<p>Rotor in Samples :- 12.5 x 5 mm.</p>
<p>SKYRC Ares Pro.</p>				<p>Rotor in Samples :- 12.5 x 5 mm.</p>
<p>LIPOTECH XR Vario</p>				<p>Rotor in Samples :- 12.5 x 5 mm. 12.5 x 7.2 mm.</p>


















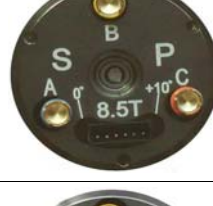












<p>GFORCE Gforce Super Sonic</p>				<p>Rotor in Samples :- 12.5 x 5 mm.</p>
<p>ORION VST2 Pro. (2014)</p>				<p>Approved 2013, revised stator option.</p> <p>Rotor in Samples :- 12.1 x 4.76 mm.</p>
<p>ORION VST2 Pro. Light-Weight (2014)</p>				<p>Optional :- 12.4 x 5 mm. 12.9 x 5 mm.</p> <p>LW version has two stator options.</p>
<p>TIANCO ORCA RX3</p>				<p>Rotor in Samples :- 12.5 x 5 mm. 12.4 X 5 mm.</p>
<p>KING GOLDEN Speed Passion 4.0</p>				<p>Rotor in Samples :- 12.5 x 5 mm.</p>
<p>Optional Part Colours</p>				
<p>SPEED ENERGY SE Race Spec.</p>				<p>Rotor in Samples :- 12.5 x 5 mm. Optional :- 12.24 x 5 mm.</p>
<p>HACKER Skalar 10</p>				<p>Rotor in Samples :- 12.5 x 5 mm. Optional :- 12.24 x 5 mm. 13.0 x 5 mm.</p>
<p>HOBBYWING Xerun V10</p>				<p>Rotor in Samples :- 12.5 x 5 mm.</p>
<p>TIANCO ORCA TX Optional Tuning Parts.</p>				<p>Optional End-Plate. # OME111TX.</p> <p>20.07.14 New sensor Ass. CAS-0220TX-30 fitted.</p>




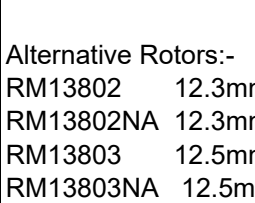


2013 IFMAR PRODUCTS LIST -- BRUSHLESS MOTORS: Issued May 17, 2013

REEDY Sonic. MACH 2				Rotor in Samples :- # 958 12.50 mm. Optional rotors :- # 957 12.20 mm. # 987 13.00 mm.
TRICORE SAVOX X.1				Approved in 2011. Resubmitted with stator access. Optional rotors:- A35, A36, A37, A38.
VAMPIRE AB+ V2				Rotor in sample :- 12.50 mm dia. Gold finish. 21.10.13: Retaining Ring & Timing Plate modified.
TIANCO ORCA TX				Rotor in sample:- 125M-H 12.5 mm. Optional :- 125M-SH
TEKIN Redline Gen2				Rotor in Samples :- 13 x 5.2 mm. 13 x 7.2 mm.
ORION VST2 Pro.				Rotor in Samples :- 12.1 x 4.76 mm. Optional :- 12.5 x 7.1 mm.
YOKOMO 'M' Series				Rotor in Samples :- 12.5 x 5 mm.
MUCMORE FLETA ZX				Rotor in Samples :- 12.5 x 5 mm.

2012 IFMAR PRODUCTS LIST -- BRUSHLESS MOTORS: Issued March 26, 2012

REEDY Sonic.				Rotor in sample :- 12.50 mm dia.
TIANCO ORCA RX2				Optional Rotors :- Red 12.5 mm dia.. Gold 12.8 mm dia.

THUNDER POWER RC Z3R				Later version has: 6mm slots
				Optional Rotors :- AMR-Z3RM Purple AMRS-Z3RM Gold AHT-Z3RS Green AST-Z3RS Blue ASR-Z3RS Red Early version has: 4mm slots
LRP Vector X20.				Optional Rotors :- 50632 12 mm 50633 12.5 mm 50634 13 mm 50635 12.45 mm 50636 12 mm 50637 12.5 mm (kit) 50638 13 mm 50639 12.25 mm (Also Nosram versions,with alternative Part #'s)
NOSRAM Pure 2				
KING GOLDEN Speed passion 3.0 (Normal)				Optional Rotors :- RM 13801 Blue. RM 13802 Purple. RM 13802NA Purple RM 13803 Red (Kit) RM 13803NA Red RM 13804 Gold RM 13805 Green RM 13806 Orange
7.5T & 8.5T no Vent Holes				
KING GOLDEN Speed passion 3.0 1 CELL.				NA = Silver Edition
KING GOLDEN Speed passion 3.0 MMM.				All above available with Stock shaft size using #RS
DUALSKY Track & Field Z5				Rotor in sample :- 12.50 mm dia.
2011 IFMAR PRODUCTS LIST -- BRUSHLESS MOTORS: Issued April 05, 2011				
TRICORE SAVOX Z1				Rotor in sample :- 12.30 mm. dia.

ORION Vortex Race (2010 Ver.)				Rotor in sample :- 12.50 mm. dia.
KING GOLDEN Speed Passion 3.0				Alternative Rotors:- RM13802 12.3mm dia. RM13802NA 12.3mm " RM13803 12.5mm " RM13803NA 12.5mm " RM13804 12.8mm " RM13805 12.8mm " RM13806 13.0mm "
				

2010 IFMAR PRODUCTS LIST -- BRUSHLESS MOTORS: Issued March 23, 2010
















LIPOTECH Lipotech XR				Alternative Rotors :- 12.30 mm. dia. 12.50 mm. " 13.00 mm. " 13.50 mm. "
GM RACING (Graupner) Brushless PRO 2010 Version				Motor also supplied with Black Finish. Alternative Rotors supplied:- 12.00 mm. dia. 12.50 mm. "
YOKOMO				Rotor in sample :- 13.50 mm. dia.
LRP Vector X12. Tuning parts.				Alternative Rotors :- 12.00 mm. dia. # 50636. 12.45 mm. " # 50637. 13.00 mm. " # 50634. 13.00 mm. " # 50638.

2009 IFMAR PRODUCTS LIST -- BRUSHLESS MOTORS: Issued June 09, 2009

ORION Vortex 2008 Race				
Novak Ballistic Brushless				

2008 IFMAR PRODUCTS LIST -- BRUSHLESS MOTORS: Issued Nov. 04, 2008

APO Team Powers				
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<p>ORION Vortex 2008 Race</p>				
<p>LRP Vector X12</p>				
<p>GM RACING (Graupner) Brushless PRO</p>				
<p>TRINITY</p>				<p>Also with Black finish.</p>
<p>KING GOLDEN Speed Passion Competition 2.0</p>				
<p>KING GOLDEN Speed Passion Competition 2.0</p>	