

REVISION	CHANGE	APPROVED	DATE
1	Published release	JTS	27/11/2025

ASI-2-2-1

DESCRIPTION OF AIRMASTER PRODUCT CODES

SUBJECT:

Product Description

ASSEMBLY NO:

Various

APPLICABILITY:

All propeller models.

1. TOPIC

1.1 Introduction

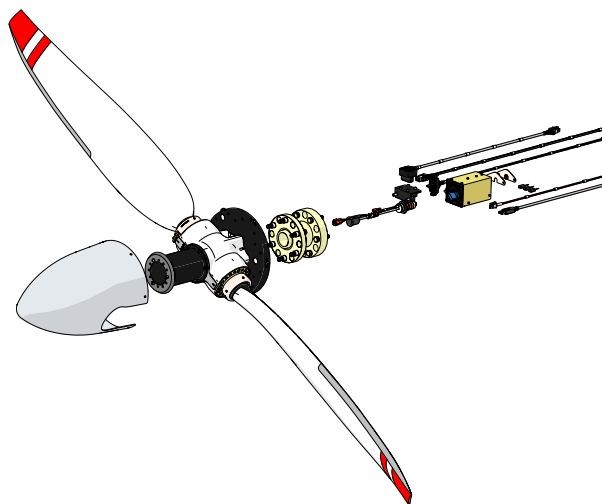
Airmaster propellers are described by a combination of letters and numbers which define the configuration of that system or part. This document covers the nomenclature used to define complete propeller systems as well as the main sub-assemblies at the first level of propeller componentry.

1.2 Description of Propeller System Specification

PROPELLER SYSTEM (AP-xxx)

HUB | BLADES | EXTENSION | SPINNER | CONTROLLER | SLIPRING

PRODUCT	AP	Airmaster Propeller
HUB	nnnLLL	Hub Descriptor
BLADES	LLnnLL	Blade Descriptor
EXTENSION	LLn.nn	Extension Descriptor
SPINNER	nn.nL	Spinner Descriptor
CONTROL	nnnLn.n	Controller Descriptor
SLIPRING	LL	Slipring Descriptor

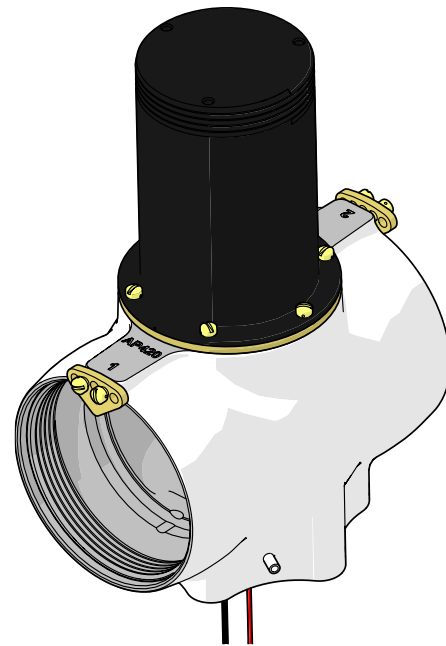


Example:

AP420CTF-SNR70E-RE3.75-9.0M-200F1.5-RM

1.3 Description of Hub Assembly Specification

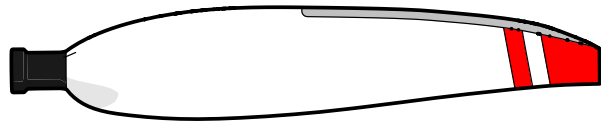
HUB ASSEMBLY (AH-xxx)		
SERIES # BLADES VERSION ROTATION ORIENTATION SPECIAL FUNCTIONS PC MOTOR		
SERIES	2	50mm ferrule [~ 30HP p/ blade]
	3	57mm ferrule [~ 40HP p/ blade]
	3S	57mm ferrule, Steel [~45HP p/ blade]
	4	70mm ferrule [~ 50HP p/ blade]
	5	80mm ferrule [~ 60 HP p/ blade]
	6	90mm ferrule [~ 70HP p/ blade]
	7	100mm ferrule [~ 90HP p/ blade]
NO. BLADES	2, 3	2, 3 blades (stocked)
	4, 5, 6	4, 5, 6 blades (available on request)
VERSION	0	Rotax mount [4" PCD, 13mm bush, AN5 bolt]
	1	Rotax mount [4" PCD, 13mm bush, AN6 bolt]
	2	Rotax mount, cast body (legacy)
	3	SAE-1 mount [4.375" PCD, 5/8" bush, AN6 bolt]
	4	SAE-1 mount [4.375" PCD, 5/8" bush, AN7 bolt]
	5	SAE-2 mount [4.75" PCD, 5/8" bush, AN7 bolt]
	6	SAE-2 mount [4.75" PCD, 3/4" bush, AN8 bolt]
ADDITIONAL VERSION FEATURE	H	High power version (added when applicable)
	S	Stepped version (added when applicable)
ROTATION	C	Clockwise
	A	Anti-clockwise
ORIENTATION	T	Tractor
	P	Pusher
SPECIAL FUNCTIONS	F	Feather
	R	Reverse
PC MOTOR	(x- <i>nnn</i>)	x make, <i>nnn</i> gearbox ratio



Example: 420CTF

1.4 Description of Blade Assembly Specification

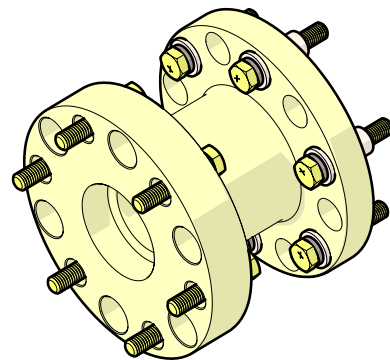
BLADE ASSEMBLY (AB-xxx)		
MANUFACTURER ROTATION DIAMETER PROFILE CODE		
MANUFACTURER	SN	Sensenich
	WW	Whirlwind
	HX	Helix
	WD	Warpdrive
	ST	Sterna
	BY	Bolly
	KV	Kiev
	NF	Neuform
ROTATION	R	Right
	L	Left
DIAMETER	nn	Diameter [inch]
PROFILE	L	Profile code



Example: SNR70E

1.5 Description of Mount Kit Assembly Specification

MOUNT KIT ASSEMBLY (AE-xxx)		
MOUNT TYPE LENGTH		
ENGINE FLANGE MOUNT PATTERN	Am	Aeromomentum [4.75" PCD, 5/8" bush, AN6 bolt]
	C	Continental (SAE-1) [4.375" PCD, 5/8" bush, AN6 bolt]
	Cd	Continental Diesel [80mm PCD, AN7 bolt]
	F	Franklin [4" PCD, no bush, AN8 bolt, 2 dowel]
	H	Hirth [100mm PCD, no bushings, M8 bolt]
	J	Jabiru [4" PCD, 13mm bush, AN5 bolts]
	Lb	Limbach [83mm PCD, no bush, AN8 bolt]
	LxA	Lycoming (SAE-1) Type A, [4.375" PCD, 5/8" bush, AN6 bolt]
	LxB	Lycoming (SAE-2) Type B [4.75" PCD, 5/8" bush, AN6 bolt]
	LxC	Lycoming (SAE-2) Type C [4.75" PCD, 5/8" bush, 7/16" bolt]
	LxD	Lycoming (SAE-2) Type D

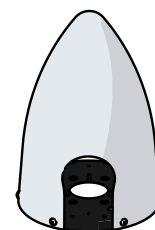


Example: RE3.75

		[4.75" PCD, 5/8" bush 1/2" bolt]
	M	MW [16mm bush, AN6 bolt]
	R	Rotax [4" PCD, 13mm bush, AN5 bolt]
	R_38	Rotax 916 [4" PCD, 13mm bush, AN6 bolt]
	S	Skytrax (Yamaha Nytro Conversion) [4.375" PCD, 5/8" bush, AN6 bolt]
	Sb	Subaru [4.75" PCD, 5/8" bush]
	U	UL-Power [4" PCD, 13mm bush, AN5 bolt] [4.375" PCD, 5/8" bush, AN6 bolt]
	V	Viking [4" PCD, 13mm bush, AN5 bolt]
	Vn	Verner [4" PCD, 13mm bush, AN5 bolt]
TYPE	E	Extension Kit
	S	Spacer Kit
	A	Adapter Kit
FEATURES	P	Slipring mount plate included (added when applicable)
	B	Blanked center in mount kit (added when applicable)
LENGTH	n.nn	Length [inch]

1.6 Description of Spinner Assembly Specification

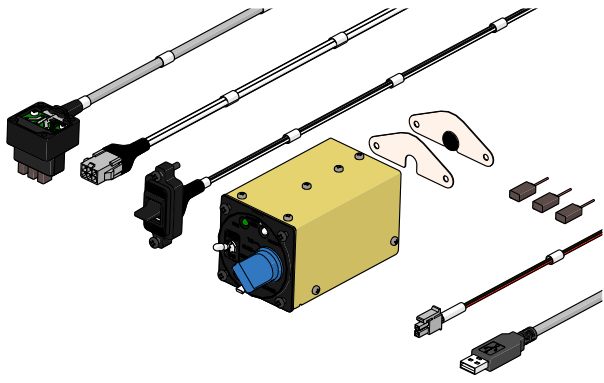
SPINNER ASSEMBLY (AS-xxx)		
DIAMETER FINISH		
DIAMETER	nn.n	Diameter [inch]
		8.3in (211mm), 9.0in (228mm), 9.5in (241mm), 10.3in (262mm), 11.2in (285mm), 12.2in (310mm), 13.0in (330mm)
FINISH	P	Polished
	M	Matte (ready to paint)
	W	Painted (gloss white)



Example: 9.0M

1.7 Description of Control System Assembly Specification

CONTROL SYSTEM ASSEMBLY (AC-xxx)		
SERIES SPECIAL FUNCTION LOOM LENGTH		
SERIES	200	Original DC model
	300	Digital servo-drive model
SPECIAL FUNCTION	F	Feathering
	FU	Remote Feathering
	R	Reversing
	RU	Remote Reversing
	P	Pre-Rotate
	S	Standard
LOOM LENGTH	n.n	Length [metres]
	<i>Example: 200F1.5</i>	



1.8 Description of Slipring Assembly Specification

SLIPRING ASSEMBLY (AR-xxx)		
TYPE LENGTH		
TYPE	RS	Rotax Standard
	RM	Rotax Mini
	US	UL Standard
	UC	UL SAE-1
	UL	UL SAE-2
	J	Jabiru Standard
	L	Lycoming
LENGTH	nn	Length of extender [mm] (when used)
	<i>Example: RM</i>	

