

**SWAN PRECISION CASTINGS AND ENGINEERING LIMITED [PROPSHOP]**

**Propeller sizing guide - 1 August 2011**

Prop Ref.	Default thread	Hub/Boss Dia. (mm)	BLADE DIAMETER			BLADE PITCH		
			Imperial	Multiplier	Metric	Imperial	Multiplier	Metric
<b>STANDARD SCALE</b>								
0550	M2	3.2	0.50	25.40	12.70	0.50	25.40	12.70
0675	M2	3.5	0.60	25.40	15.24	0.75	25.40	19.05
0751	M2	4.5	0.75	25.40	19.05	1.00	25.40	25.40
0871	M2	4.8	0.87	25.40	22.10	1.00	25.40	25.40
1011	M2	5	1.00	25.40	25.40	1.10	25.40	27.94
1112	M4	5.5	1.10	25.40	27.94	1.20	25.40	30.48
1212	M4	5.5	1.20	25.40	30.48	1.20	25.40	30.48
1315	M4	6	1.30	25.40	33.02	1.50	25.40	38.10
1415	M4	6	1.40	25.40	35.56	1.50	25.40	38.10
1517	M4	6	1.50	25.40	38.10	1.70	25.40	43.18
1618	M4	7	1.60	25.40	40.64	1.80	25.40	45.72
1719	M4	7	1.70	25.40	43.18	1.90	25.40	48.26
2022	M4	7.5	2.00	25.40	50.80	2.20	25.40	55.88
2222	M4	9	2.20	25.40	55.88	2.20	25.40	55.88
2522	M5		2.50	25.40	63.50	2.20	25.40	55.88
2527	M5	9.5	2.50	25.40	63.50	2.70	25.40	68.58
27522	M5		2.75	25.40	69.85	2.20	25.40	55.88
3022	M5	9.5	3.00	25.40	76.20	2.20	25.40	55.88
3033	M5	10.5	3.00	25.40	76.20	3.30	25.40	83.82
3540	M5	12	3.50	25.40	88.90	4.00	25.40	101.60
4035	M5	12	4.00	25.40	101.60	3.50	25.40	88.90
4045	M5		4.00	25.40	101.60	4.50	25.40	114.30
4550	M5	15	4.50	25.40	114.30	5.00	25.40	127.00
5160	M5	15	5.10	25.40	129.54	6.00	25.40	152.40
6070	M5		6.00	25.40	152.40	7.00	25.40	177.80
8120	M5		8.00	25.40	203.20	12.00	25.40	304.80
<b>STEAM SCALE</b>								
V1526	M4		1.50	25.40	38.10	2.60	25.40	66.04
V1726	M4		1.70	25.40	43.18	2.60	25.40	66.04
V2030	M4		2.00	25.40	50.80	3.00	25.40	76.20
V2230	M4		2.20	25.40	55.88	3.00	25.40	76.20
V2441	M4		2.40	25.40	60.96	4.10	25.40	104.14
V27541	M4		2.75	25.40	69.85	4.10	25.40	104.14
<b>WW2 PATTERN</b>								
V0675	M2		0.60	25.40	15.24	0.75	25.40	19.05
V0708	M2	3.7	0.70	25.40	17.78	0.80	25.40	20.32
V0751	M2	4	0.75	25.40	19.05	1.00	25.40	25.40
V0871	M2	5.5	0.87	25.40	22.10	1.00	25.40	25.40
V1011	M2	6	1.00	25.40	25.40	1.10	25.40	27.94
V1212	M4	7	1.20	25.40	30.48	1.20	25.40	30.48
V1415	M4	7	1.40	25.40	35.56	1.50	25.40	38.10
V1517	M4		1.50	25.40	38.10	1.70	25.40	43.18
V1720	M4		1.70	25.40	43.18	2.00	25.40	50.80
V2022	M4		2.00	25.40	50.80	2.20	25.40	55.88
V2426	M5		2.40	25.40	60.96	2.60	25.40	66.04
V2727	M5		2.70	25.40	68.58	2.70	25.40	68.58
V3035	M5		3.00	25.40	76.20	3.50	25.40	88.90
V3740	M5		3.70	25.40	93.98	4.00	25.40	101.60

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<b>KORT PROPS</b>								
K0710	M2		0.70	25.40	17.78	1.00	25.40	25.40
K0911	M2		0.90	25.40	22.86	1.10	25.40	27.94
K1315	M4		1.30	25.40	33.02	1.50	25.40	38.10
K1515	M4		1.50	25.40	38.10	1.50	25.40	38.10
K1620	M4		1.60	25.40	40.64	2.00	25.40	50.80
K1720	M4		1.70	25.40	43.18	2.00	25.40	50.80
K1920	M4		1.90	25.40	48.26	2.00	25.40	50.80
K2425	M5		2.40	25.40	60.96	2.50	25.40	63.50
K2625	M5		2.60	25.40	66.04	2.50	25.40	63.50
K2825	M5		2.80	25.40	71.12	2.50	25.40	63.50
K3035	M5		3.00	25.40	76.20	3.50	25.40	88.90
K3435	M5		3.40	25.40	86.36	3.50	25.40	88.90
K4051	M5		4.00	25.40	101.60	5.10	25.40	129.54
K4551	M5		4.50	25.40	114.30	5.10	25.40	129.54
K5151	M5		5.10	25.40	129.54	5.10	25.40	129.54
<b>MULTI RACING PROP (FSR)</b>								
1721	M5		1.70	25.40	43.18	2.10	25.40	53.34
1818	M5		1.80	25.40	45.72	1.80	25.40	45.72
1819	M5		1.80	25.40	45.72	1.90	25.40	48.26
1919	M5		1.90	25.40	48.26	1.90	25.40	48.26
1924	M5		1.90	25.40	48.26	2.40	25.40	60.96
1925	M5		1.90	25.40	48.26	2.50	25.40	63.50
1927	M5		1.90	25.40	48.26	2.70	25.40	68.58
2022	M5		2.00	25.40	50.80	2.20	25.40	55.88
2023	M5		2.00	25.40	50.80	2.30	25.40	58.42
2024	M5		2.00	25.40	50.80	2.40	25.40	60.96
2025	M5		2.00	25.40	50.80	2.50	25.40	63.50
2026	M5		2.00	25.40	50.80	2.60	25.40	66.04
20265	M5		2.00	25.40	50.80	2.65	25.40	67.31
2027	M5		2.00	25.40	50.80	2.70	25.40	68.58
2028	M5		2.00	25.40	50.80	2.80	25.40	71.12
2029	M5		2.00	25.40	50.80	2.90	25.40	73.66
<b>VINTAGE SCALE FINE PITCH</b>								
V1512	M4		1.50	25.40	38.10	1.20	25.40	30.48
V1618	M4		1.60	25.40	40.64	1.80	25.40	45.72
V1717	M4		1.70	25.40	43.18	1.70	25.40	43.18
V1920	M4		1.90	25.40	48.26	2.00	25.40	50.80
V2422	M4		2.40	25.40	60.96	2.20	25.40	55.88
V3022	M4		3.00	25.40	76.20	2.20	25.40	55.88
V3540	M5		3.50	25.40	88.90	4.00	25.40	101.60
<b>MCP STYLE</b>								
CP12	M2		1.20	25.40	30.48	1.20	25.40	30.48
CP16	M4	9	1.60	25.40	40.64	1.60	25.40	40.64
CP17	M4		1.70	25.40	43.18	1.70	25.40	43.18
CP20	M4	9	2.00	25.40	50.80	2.00	25.40	50.80
CP275	M5	13	2.75	25.40	69.85	2.75	25.40	69.85
CPK20	M4	9	2.00	25.40	50.80	2.00	25.40	50.80
CPK22	M4		2.20	25.40	55.88	2.20	25.40	55.88
CPK24	M4		2.40	25.40	60.96	2.40	25.40	60.96

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<b>MODERN SUBMARINE</b>								
SC12	M4	7	1.20	25.40	30.48	1.20	25.40	30.48
SC16	M4	9	1.60	25.40	40.64	1.60	25.40	40.64
SC20	M4	13	2.00	25.40	50.80	2.00	25.40	50.80
SC22	M4	14	2.20	25.40	55.88	2.20	25.40	55.88
SC28	M5	16	2.80	25.40	71.12	2.80	25.40	71.12
SC28	M5	20	2.80	25.40	71.12	2.80	25.40	71.12
SC33	M5	20	3.30	25.40	83.82	3.30	25.40	83.82
SC40	M6		4.00	25.40	101.60	4.00	25.40	101.60
SC42	M6		4.20	25.40	106.68	4.20	25.40	106.68
SC50	M6	30	5.00	25.40	127.00	5.00	25.40	127.00
SC212	M6		4.70	25.40	119.38	4.70	25.40	119.38
Alpha22	M4	14	2.20	25.40	55.88	2.20	25.40	55.88
Alpha42	M6	32	4.20	25.40	106.68	4.20	25.40	106.68
Walrus	M6		4.70	25.40	119.38	4.70	25.40	119.38
<b>FAST SCALE</b>								
3015	M4		-	-	30.00	-	1.50	45.00
4014	M4		-	-	40.00	-	1.40	56.00
5022	M5		-	-	50.00	-	2.20	110.00
5515	M5		-	-	55.00	-	1.50	82.50
6015	M5		-	-	60.00	-	1.50	90.00
7015	1/4" DD		-	-	70.00	-	1.50	105.00
9015	1/4" DD		-	-	90.00	-	1.50	135.00
<b>FAST ELECTRIC</b>								
3012	M4		-	-	30.00	-	1.20	36.00
3212	M4		-	-	32.00	-	1.20	38.40
3512	M4		-	-	35.00	-	1.20	42.00
3514	M4		-	-	35.00	-	1.40	49.00
ECO29	M4		-	-	29.00	-	1.20	34.80
ECO30	M4		-	-	30.00	-	1.20	36.00
P27	M4		-	-	27.00	-	1.20	32.40
P29	M4		-	-	29.00	-	1.20	34.80
P30	M4		-	-	30.00	-	1.20	36.00
P31	M4		-	-	31.00	-	1.20	37.20
<b>GENERAL PURPOSE</b>								
2514	M4		-	-	25.00	-	1.40	35.00
2714	M4		-	-	27.00	-	1.40	37.80
3014	M4		-	-	30.00	-	1.40	42.00
3214	M4		-	-	32.00	-	1.40	44.80
3514	M4		-	-	35.00	-	1.40	49.00
3714	3/16" DD		-	-	37.00	-	1.40	51.80
4014	3/16" DD		-	-	40.00	-	1.40	56.00
4214	3/16" DD		-	-	42.00	-	1.40	58.80
4514	3/16" DD		-	-	45.00	-	1.40	63.00
4714	3/16" DD		-	-	47.00	-	1.40	65.80
5014	3/16" DD		-	-	50.00	-	1.40	70.00
5214	3/16" DD		-	-	52.00	-	1.40	72.80
5514	3/16" DD		-	-	55.00	-	1.40	77.00
5714	3/16" DD		-	-	57.00	-	1.40	79.80
6014	3/16" DD		-	-	60.00	-	1.40	84.00
6214	1/4" DD		-	-	62.00	-	1.40	86.80
6514	1/4" DD		-	-	65.00	-	1.40	91.00
6714	1/4" DD		-	-	67.00	-	1.40	93.80
7014	1/4" DD		-	-	70.00	-	1.40	98.00
7514	1/4" DD		-	-	75.00	-	1.40	105.00
8214	1/4" DD		-	-	82.00	-	1.40	114.80
8514	1/4" DD		-	-	85.00	-	1.40	119.00

NB: Aluminium props are not supplied in dog drive.

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			Imperial	Multiplier	Metric	Imperial	Multiplier	Metric
<b><u>CLEAVERS &amp; HYDRO</u></b>								
3019	3/16" DD		-	-	30.00	-	1.90	57.00
3514	3/16" DD		-	-	35.00	-	1.40	49.00
3519	3/16" DD		-	-	35.00	-	1.90	66.50
3720	3/16" DD		-	-	37.00	-	2.00	74.00
4019	3/16" DD		-	-	40.00	-	1.90	76.00
4213	3/16" DD		-	-	42.00	-	1.30	54.60
4217	3/16" DD		-	-	42.00	-	1.70	71.40
4221	3/16" DD		-	-	42.00	-	2.10	88.20
4512	3/16" DD		-	-	45.00	-	1.20	54.00
4518	3/16" DD		-	-	45.00	-	1.80	81.00
5017	3/16" DD		-	-	50.00	-	1.70	85.00
5019	3/16" DD		-	-	50.00	-	1.90	95.00
5517	3/16" DD		-	-	55.00	-	1.70	93.50
5518	3/16" DD		-	-	55.00	-	1.80	99.00
5519	3/16" DD		-	-	55.00	-	1.90	104.50
5521	3/16" DD		-	-	55.00	-	2.10	115.50
6017	3/16" or 1/4"		-	-	60.00	-	1.70	102.00
6019	1/4" DD		-	-	60.00	-	1.90	114.00
6516	1/4" DD		-	-	65.00	-	1.60	104.00
6518	1/4" DD		-	-	65.00	-	1.80	117.00
6520	1/4" DD		-	-	65.00	-	2.00	130.00
6717	1/4" DD		-	-	67.00	-	1.70	113.90
6720	1/4" DD		-	-	67.00	-	2.00	134.00
7016	1/4" DD		-	-	70.00	-	1.60	112.00
7018	1/4" DD		-	-	70.00	-	1.80	126.00
7020	1/4" DD		-	-	70.00	-	2.00	140.00
7022	1/4" DD		-	-	70.00	-	2.20	154.00
7024	1/4" DD		-	-	70.00	-	2.40	168.00
7516	1/4" DD		-	-	75.00	-	1.60	120.00
7518	1/4" DD		-	-	75.00	-	1.80	135.00
8015	1/4" DD		-	-	80.00	-	1.50	120.00
8018	1/4" DD		-	-	80.00	-	1.80	144.00
8513	1/4" DD		-	-	85.00	-	1.30	110.50
8514	1/4" DD		-	-	85.00	-	1.40	119.00
8517	1/4" DD		-	-	85.00	-	-	156.00
8819	1/4" DD		-	-	88.00	-	1.90	167.20
9013	1/4" DD		-	-	90.00	-	-	113.00
9515	1/4" DD		-	-	95.00	-	1.50	142.50
11013	1/4" DD		-	-	110.00	-	1.30	143.00
11522	1/4" DD		-	-	115.00	-	2.20	253.00
<b><u>TETHERED HYDRO</u></b>								
4230	to order		-	-	42.00	-	3.00	126.00
5426	to order		-	-	54.00	-	2.60	140.40
5530	to order		-	-	55.00	-	3.00	165.00
5731	to order		-	-	57.00	-	3.10	176.70
5736	to order		-	-	57.00	-	3.60	205.20
6527	to order		-	-	65.00	-	2.70	175.50
6531	to order		-	-	65.00	-	3.10	201.50