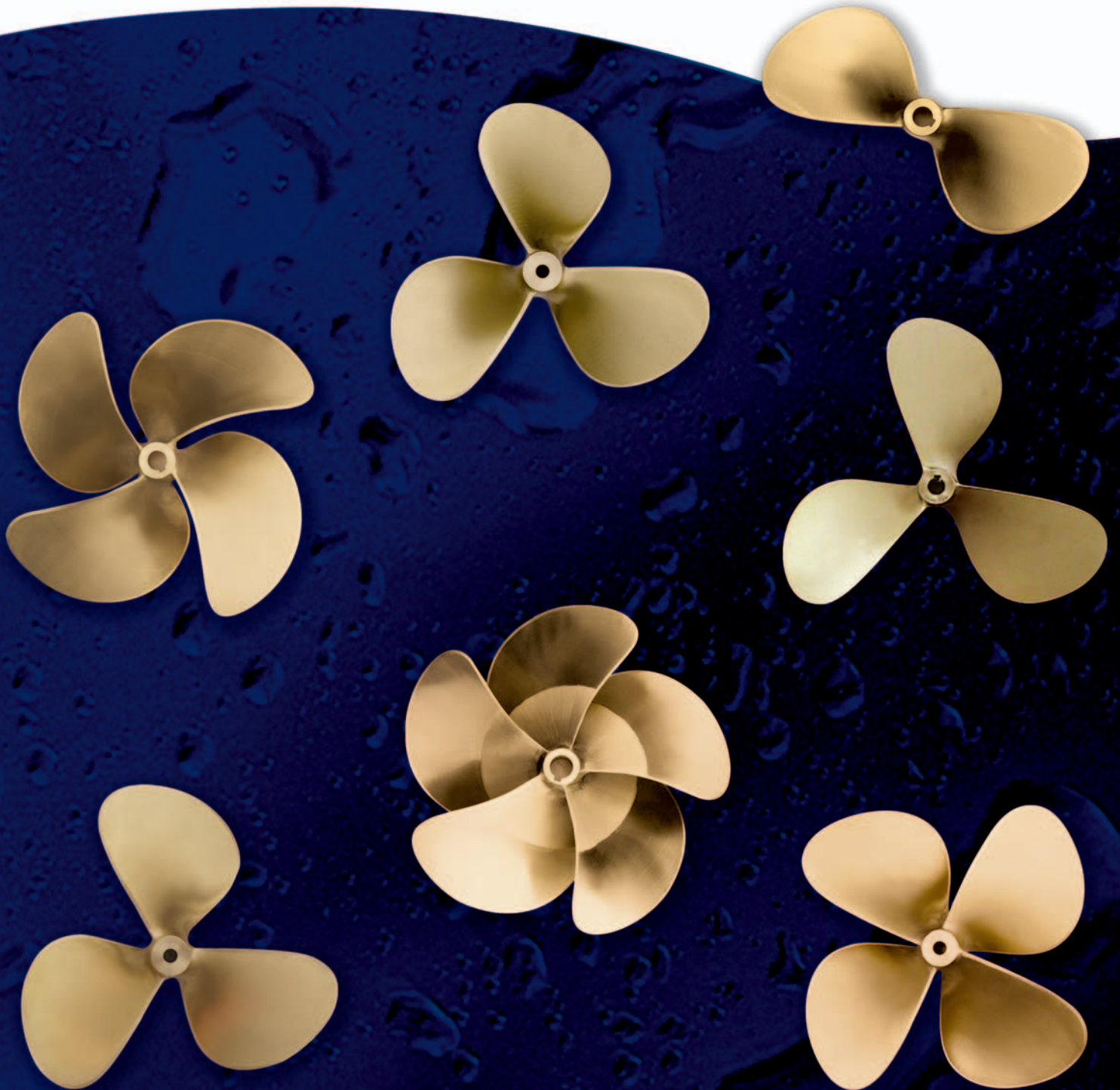


MICHIGAN M SERIES



 **Michigan
propellers**

ISO 9001:2000 Certified

Michigan Propellers "m" Series

This series is globally sourced as the economically advantageous standard series propeller line. The "m" are manufactured to Michigan Wheel Corporation tolerance and hub dimensional standards. The material used in manufacture is certifiable to ABS type 2 in manganese bronze, and to ABS 4 in NiBrAl. Hale MRI computerized inspection equipment is utilized in manufacturing and final inspection.

Following are specifications by the individual propeller styles comprising the "m" series. A variety of other design, area considerations, and larger dimensions can also be made available, on a quote basis. Metric dimensions and bores are available on request.

Lead time to acquire will typically be 6 to 8 weeks: custom requirement lead time will be quoted on request.



Sailer 2 (0.36 E.A.R.) and Sailer 3 (0.44 E.A.R.) Specifications

DIAMETER		HUB DIMENSIONS (INCHES)			STANDARD TAPER BORE (INCHES)		
INCHES	MM / M	AFT END	FORWARD END	LENGTH	MINIMUM BORE	MAXIMUM BORE	PILOT BORE
10	254	1-7/16	1-5/8	2-1/4	3/4	7/8	3/4
11	279	1-7/16	1-5/8	2-1/4	3/4	7/8	3/4
12	305	1-9/16	1-3/4	2-3/8	7/8	1-1/8	7/8
13	330	1-9/16	1-3/4	2-3/4	1	1-1/8	1
14	356	1-3/4	2	2-3/4	1	1-1/8	1
15	381	1-3/4	2	2-3/4	1	1-1/8	1
16	406	1-15/16	2-3/16	3-1/4	1-1/8	1-1/4	1-1/8
17	432	2	2-5/16	3-1/4	1-1/8	1-3/8	1-1/8
18	457	2	2-5/16	3-1/4	1-1/8	1-3/8	1-1/8

MP 3 Specifications - 0.53 E.A.R.

DIAMETER		HUB DIMENSIONS (INCHES)			STANDARD TAPER BORE (INCHES)			MAXIMUM BLADE WIDTH (INCHES)	EXPANDED AREA PER BLADE (SQ. IN)	APPROX. NET WEIGHT (LBS.)	*WR ²
INCHES	MM / M	AFT END	FORWARD END	LENGTH	MINIMUM BORE	MAXIMUM BORE	PILOT BORE				
9	229	1-5/16	1-7/16	2-1/8	3/4	3/4	3/4	3-7/8	11.0	2.2	6
10	254	1-7/16	1-5/8	2-1/8	3/4	7/8	3/4	4-5/16	13.6	2.9	12
11	279	1-7/16	1-5/8	2-1/8	3/4	7/8	3/4	4-3/4	16.5	3.7	18
12	305	1-9/16	1-3/4	2-5/8	7/8	1-1/8	7/8	5-3/16	19.6	4.6	29
13	330	1-9/16	1-3/4	2-3/4	1	1-1/8	1	5-9/16	23.0	5.5	43
14	356	1-3/4	2	3	1	1-1/8	1	6	26.7	7.5	62
15	381	1-3/4	2	3	1	1-1/8	1	6-7/16	30.6	8.6	87
16	406	1-15/16	2-3/16	3-3/8	1-1/8	1-1/4	1-1/8	6-7/8	34.9	10.8	118
17	432	2	2-5/16	3-3/8	1-1/8	1-3/8	1-1/8	7-5/16	39.3	12.8	161
18	457	2	2-5/16	3-3/8	1-1/8	1-3/8	1-1/8	7-3/4	44.1	14.6	215
19	483	2-1/8	2-7/16	3-3/4	1-1/4	1-3/8	1-1/4	8-3/16	49.1	17.6	299
20	508	2-1/8	2-7/16	3-3/4	1-1/4	1-3/8	1-1/4	8-5/8	54.5	19.8	382
21	533	2-7/16	2-13/16	4-1/8	1-3/8	1-1/2	1-3/8	9	60.0	24.3	486
22	559	2-7/16	2-13/16	4-1/8	1-3/8	1-1/2	1-3/8	9-1/2	65.9	27.1	613
23	584	2-13/16	3-3/16	4-1/2	1-1/2	1-3/4	1-1/2	9-7/8	72.0	32.4	765
24	610	2-13/16	3-3/16	4-1/2	1-1/2	1-3/4	1-1/2	10-5/16	78.4	35.7	948
26	660	3-3/16	3-5/8	5-1/4	1-3/4	2	1-3/4	11-3/16	92.0	47.4	1,402
28	711	3-1/2	4	5-1/4	1-3/4	2-1/4	1-3/4	12-1/16	106.7	58.6	2,027
30	762	3-13/16	4-3/8	6	2	2-1/2	2	13	122.5	73.4	2,854
32	813	4-1/4	4-13/16	6	2	3	2	13-3/4	139.4	89.3	3,925
34	864	4-7/16	5-1/16	6-3/4	2-1/4	3-1/4	2-1/4	14-5/8	157.4	108.0	5,330
36	914	4-3/4	5-1/2	7	2-1/2	3-1/2	2-1/2	15-1/2	176.4	127.4	7,022
38	965	5-1/16	5-13/16	7-1/4	2-1/2	3-3/4	2-1/2	13-5/16	196.6	150.4	9,166
40	1016	5-1/16	5-13/16	7-3/4	2-3/4	3-3/4	2-3/4	17-1/4	217.8	175.0	12,427

*WR² = ±10% in Air (inch squared lbs.)



DJ355

0.56 E.A.R.
Diameter range: 9" - 40"



DQ469

0.70 E.A.R.
Diameter range: 9" - 40"



DQ486

0.86 E.A.R.
Diameter range: 17" - 44"



M-506

1.06 E.A.R.
Diameter range: 22" - 46"

DJ355 and DQ469 Specifications								DJ355 - 0.56 E.A.R.				DQ469 - 0.70 E.A.R.			
DIAMETER		HUB DIMENSIONS (INCHES)			STANDARD TAPER BORE (INCHES)			MAXIMUM BLADE WIDTH (INCHES)	EXPANDED AREA PER BLADE (SQ. IN)	APPROX. NET WEIGHT (LBS.)	*WR ²	MAXIMUM BLADE WIDTH (INCHES)	EXPANDED AREA PER BLADE (SQ. IN)	APPROX. NET WEIGHT (LBS.)	*WR ²
INCHES	MM / M	AFT END	FORWARD END	LENGTH	MINIMUM BORE	MAXIMUM BORE	PILOT BORE								
9	229	1-3/8	1-1/2	2-1/8	3/4	7/8	3/4	4-1/16	11.7	2.5	7	-	-	-	-
10	254	1-1/2	1-5/8	2-1/4	3/4	1	3/4	4-1/2	14.4	3	12	-	-	-	-
11	279	1-1/2	1-5/8	2-1/4	3/4	1	3/4	4-15/16	17.4	4	19	-	-	-	-
12	305	1-5/8	1-3/4	2-3/8	7/8	1-1/8	7/8	5-3/8	20.7	5	31	-	-	-	-
13	330	1-5/8	1-13/16	2-3/4	1	1-1/8	1	5-7/8	24.3	6	45	-	-	-	-
14	356	1-7/8	2	2-3/4	1	1-1/4	1	6-5/16	28.2	8	65	-	-	-	-
15	381	1-7/8	2	2-3/4	1	1-1/4	1	6-3/4	32.4	9	91	-	-	-	-
16	406	2-1/8	2-3/8	3-1/4	1-1/8	1-3/8	1-1/8	7-1/4	36.9	11	127	-	-	-	-
17	432	2-3/8	2-5/8	3-3/4	1-1/4	1-1/2	1-1/4	7-5/8	41.6	14	173	7-5/16	39.1	17	226
18	457	2-3/8	2-5/8	3-3/4	1-1/4	1-1/2	1-1/4	8-1/8	46.7	16	227	7-3/4	43.9	20	300
19	483	2-3/8	2-5/8	3-3/4	1-1/4	1-1/2	1-1/4	8-1/2	52.0	19	314	8-3/16	48.9	22	394
20	508	2-3/8	2-5/8	3-3/4	1-1/4	1-1/2	1-1/4	9	57.6	21	403	8-5/8	54.2	25	505
21	533	2-3/4	3	4-1/8	1-3/8	1-3/4	1-3/8	9-7/16	63.5	26	514	9	59.7	30	643
22	559	2-3/4	3	4-1/8	1-3/8	1-3/4	1-3/8	9-7/8	69.7	29	647	9-7/16	65.5	34	811
23	584	3	3-1/4	4-1/2	1-1/2	2	1-1/2	10-3/8	76.2	34	808	9-7/8	71.6	40	1,010
24	610	3	3-1/4	4-1/2	1-1/2	2	1-1/2	10-5/8	82.9	37	1,004	10-5/16	78.0	45	1,250
26	660	3-3/8	3-3/4	4-7/8	1-3/4	2-1/4	1-3/4	11-3/4	97.3	48	1,480	11-3/16	91.5	57	1,850
28	711	3-3/4	4-1/8	5-3/4	2	2-1/2	2	12-5/8	112.9	62	2,150	12	106.2	73	2,680
30	762	4-1/4	4-5/8	6	2	3	2	13-1/2	129.6	79	3,020	12-7/8	121.9	92	3,770
32	813	4-1/4	4-5/8	6	2	3	2	14-3/8	147.4	90	4,140	13-3/4	138.7	107	5,180
34	864	4-1/4	4-5/8	6-1/2	2-1/4	3	2-1/4	15-5/16	166.5	105	5,610	14-5/8	156.6	125	7,020
36	914	4-5/8	5-1/8	8	2-3/4	3-1/2	2-3/4	16-3/16	186.6	130	7,420	15-7/16	175.5	153	9,260
38	965	4-5/8	5-1/8	8	2-3/4	3-1/2	2-3/4	17-1/16	207.9	147	9,670	16-5/16	195.6	174	12,080
40	1016	5	5-1/2	9	3	3-3/4	3	18	230.4	183	13,150	17-3/16	216.7	215	16,440
42	1067	5-3/8	6	10-7/16	3	4	3	-	-	-	-	18	239.0	263	21,070
44	1118	5-7/16	6-3/16	11	3	4	3	-	-	-	-	18-7/8	262.3	301	26,460

*WR² = ±10% in Air (inch squared lbs.)

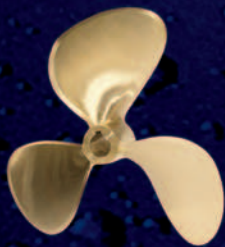
DQ486 and M-506 Specifications.								DQ486 - 0.86 E.A.R.				M-506 - 1.06 E.A.R.			
DIAMETER		HUB DIMENSIONS (INCHES)			STANDARD TAPER BORE (INCHES)			MAXIMUM BLADE WIDTH (INCHES)	EXPANDED AREA PER BLADE (SQ. IN)	APPROX. NET WEIGHT (LBS.)	*WR ²	MAXIMUM BLADE WIDTH (INCHES)	EXPANDED AREA PER BLADE (SQ. IN)	APPROX. NET WEIGHT (LBS.)	*WR ²
INCHES	MM / M	AFT END	FORWARD END	LENGTH	MINIMUM BORE	MAXIMUM BORE	PILOT BORE								
17	432	2-3/8	2-5/8	3-3/4	1-1/4	1-1/2	1-1/4	8-1/2	45.4	20	282	-	-	-	-
18	457	2-3/8	2-5/8	3-3/4	1-1/4	1-1/2	1-1/4	9	50.9	23	374	-	-	-	-
19	483	2-3/8	2-5/8	3-3/4	1-1/4	1-1/2	1-1/4	9-1/2	56.7	26	491	-	-	-	-
20	508	2-3/8	2-5/8	3-3/4	1-1/4	1-1/2	1-1/4	10	62.8	30	629	-	-	-	-
21	533	2-3/4	3	4-1/8	1-3/8	1-3/4	1-3/8	10-1/2	69.3	36	799	-	-	-	-
22**	559	2-3/4	3	4-1/8	1-3/8	1-3/4	1-3/8	11	76.0	40	1,010	11-1/4	76.8	48	1,270
23	584	3	3-1/4	Full Taper	1-1/2	2	1-1/2	11-1/2	83.1	47	1,260	11-3/4	83.9	55	1,585
24	610	3	3-1/4	Full Taper	1-1/2	2	1-1/2	12	90.5	52	1,560	12-1/4	91.4	62	1,960
26	660	3-3/8	3-3/4	Full Taper	1-3/4	2-1/4	1-3/4	13	106.2	68	2,310	13-1/4	107.2	80	2,910
28	711	3-3/4	4-1/8	Full Taper	2	2-1/2	2	14	123.2	85	3,340	14-1/4	124.4	101	4,200
30	762	4-1/4	4-5/8	Full Taper	2	3	2	15	141.4	106	4,680	15-5/16	142.8	125	5,890
32	813	4-1/4	4-5/8	Full Taper	2	3	2	16	160.9	124	6,430	16-5/16	162.5	146	8,105
34	864	4-1/4	4-5/8	Full Taper	2-1/4	3	2-1/4	17	181.6	146	8,740	17-5/16	183.4	174	10,980
36	914	4-5/8	5-1/8	Full Taper	2-3/4	3-1/2	2-3/4	18	203.6	178	11,520	18-3/8	205.6	210	14,555
38	965	4-5/8	5-1/8	Full Taper	2-3/4	3-1/2	2-3/4	19	226.8	204	15,020	19-3/8	229.1	242	18,920
40	1016	5	5-1/2	Full Taper	3	3-3/4	3	20	251.3	250	20,400	20-3/8	253.8	283	24,380
42	1067	5-3/8	6	Full Taper	3	4	3	21	277.1	291	26,080	21-7/16	279.8	330	31,120
44	1118	5-7/16	6-3/16	Full Taper	3	4	3	22	304.1	330	32,740	22-7/16	307.1	374	38,980
46	1168	5-5/8	6-1/4	Full Taper	3	4	3	-	-	-	-	23-7/16	335.7	421	48,480

** Hub length for the M-506 is full taper.

*WR² = ±10% in Air (inch squared lbs.)

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Kaplan



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