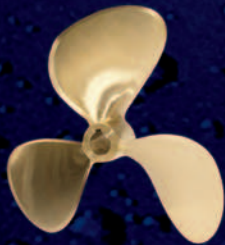


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DJX



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M-500

COMMERCIAL BOAT PROPELLERS



DQ Special



Pac-Master



Machine Pitch



Work Horse 4



Work Horse 5



Maxima 3



Maxima 4



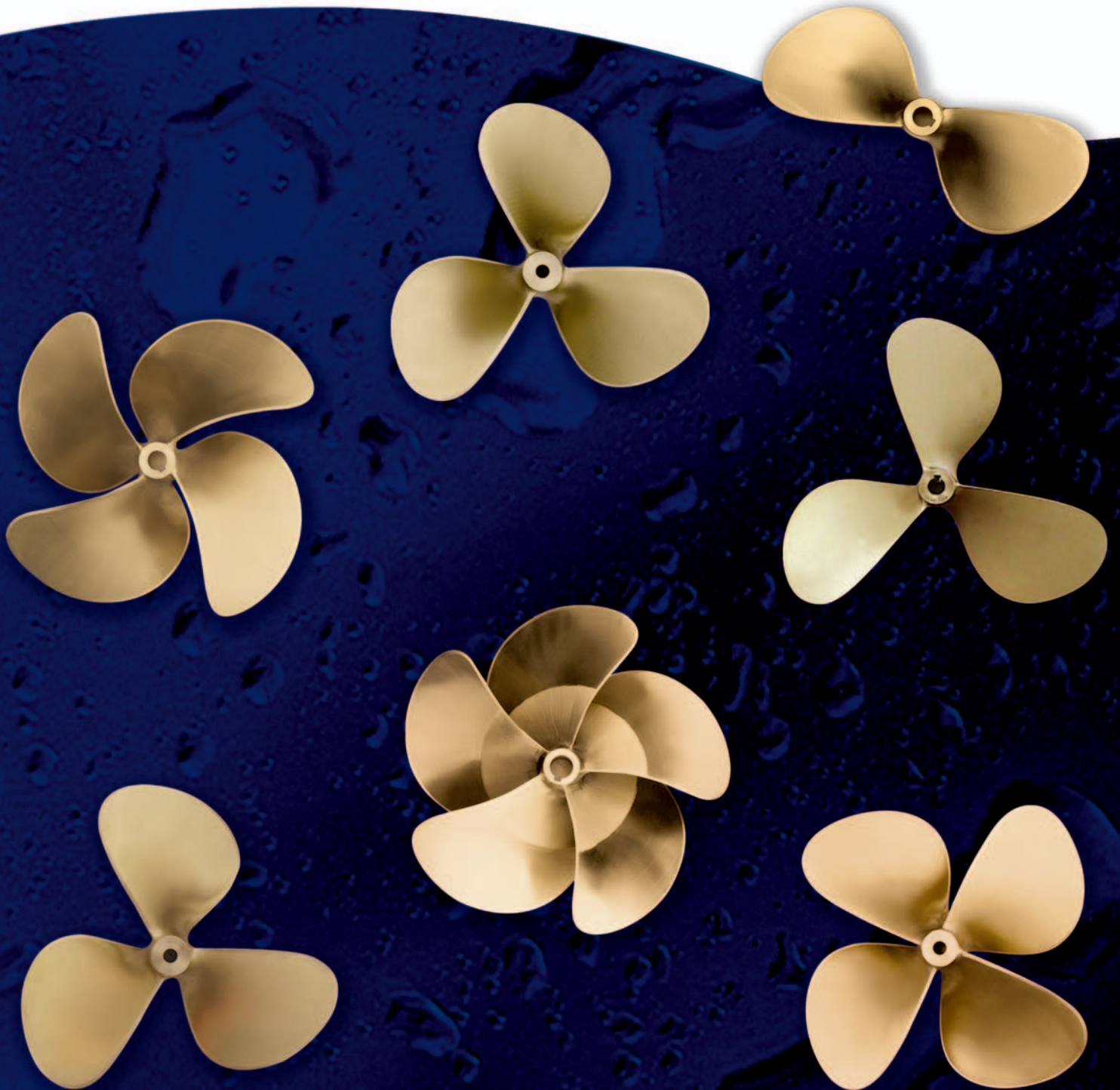
Kaplan



(custom & skewed configurations)

Michigan Wheel Corporation • 1501 Buchanan Avenue SW • Grand Rapids, MI 49507-1697, USA
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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.)