



THE ORANGE BOOK CATALOG



MANIFOLD THUNDER BAR

AVAILABLE IN 6061 ALLOY.

- Elevated mechanical properties - 44 minimum ksi UTS
- 1/2 commercial twist and straightness
- 1/2 commercial dimension tolerance all on the plus side
- Carbon free surface



RECTANGLES

| SCM DIE NUMBER | A DIM | A TOL. | B DIM | B TOL. | LBS/FT |
|----------------|-------|--------|-------|--------|--------|
| MRB0669 | 0.875 | +0.010 | 3.000 | +0.024 | 3.117 |
| MRB0476 | 1.000 | +0.012 | 1.500 | +0.014 | 1.782 |
| MRB0477 | 1.000 | +0.012 | 2.000 | +0.024 | 2.380 |
| MRB1727 | 1.000 | +0.012 | 2.500 | +0.024 | 2.971 |
| MRB0656 | 1.000 | +0.012 | 3.000 | +0.024 | 3.563 |
| MRB0478 | 1.000 | +0.012 | 3.500 | +0.024 | 4.155 |
| MRB0479 | 1.000 | +0.012 | 5.000 | +0.034 | 5.935 |
| MRB1565 | 1.000 | +0.012 | 8.500 | +0.054 | 10.087 |
| MRB0671 | 1.125 | +0.012 | 2.500 | +0.024 | 3.341 |
| MRB0475 | 1.250 | +0.012 | 2.500 | +0.024 | 3.710 |
| MRB0664 | 1.250 | +0.012 | 3.000 | +0.024 | 4.449 |
| MRB0995 | 1.250 | +0.012 | 3.500 | +0.024 | 5.187 |
| MRB1589 | 1.250 | +0.014 | 5.000 | +0.034 | 7.422 |
| MRB1728 | 1.250 | +0.014 | 5.500 | +0.034 | 8.154 |
| MRB0471 | 1.500 | +0.014 | 2.000 | +0.024 | 3.566 |
| MRB0657 | 1.500 | +0.014 | 2.500 | +0.024 | 4.452 |
| MRB0480 | 1.500 | +0.014 | 3.000 | +0.024 | 5.338 |
| MRB0467 | 1.500 | +0.014 | 4.000 | +0.034 | 7.119 |
| MRB0658 | 1.500 | +0.014 | 4.500 | +0.034 | 8.005 |
| MRB0659 | 1.500 | +0.014 | 5.500 | +0.034 | 9.777 |
| MRB0980 | 1.500 | +0.014 | 6.000 | +0.044 | 10.664 |
| MRB0948 | 1.500 | +0.014 | 6.500 | +0.044 | 11.558 |
| MRB0887 | 1.500 | +0.014 | 7.000 | +0.044 | 12.444 |
| MRB0670 | 1.750 | +0.014 | 2.750 | +0.024 | 5.710 |
| MRB1721 | 1.750 | +0.014 | 3.750 | +0.034 | 7.783 |
| MRB1692 | 1.750 | +0.014 | 4.500 | +0.034 | 9.333 |
| MRB0465 | 1.750 | +0.014 | 6.500 | +0.044 | 13.476 |
| MRB0468 | 2.000 | +0.024 | 2.500 | +0.024 | 5.944 |
| MRB0469 | 2.000 | +0.024 | 3.000 | +0.024 | 7.127 |
| MRB0481 | 2.000 | +0.024 | 3.500 | +0.024 | 8.310 |
| MRB0439 | 2.000 | +0.024 | 4.000 | +0.034 | 9.505 |
| MRB0936 | 2.000 | +0.024 | 4.500 | +0.034 | 10.687 |
| MRB0855 | 2.000 | +0.024 | 5.000 | +0.034 | 11.871 |
| MRB0441 | 2.000 | +0.024 | 6.000 | +0.044 | 14.250 |
| MRB0466 | 2.000 | +0.024 | 6.500 | +0.044 | 15.432 |
| MRB0946 | 2.000 | +0.024 | 8.500 | +0.054 | 20.175 |
| MRB0847 | 2.250 | +0.024 | 8.000 | +0.054 | 21.352 |

| SCM DIE NUMBER | A DIM | A TOL. | B DIM | B TOL. | LBS/FT |
|----------------|-------|--------|-------|--------|--------|
| MRB0482 | 2.500 | +0.024 | 3.000 | +0.024 | 8.898 |
| MRB0668 | 2.500 | +0.024 | 3.250 | +0.024 | 9.636 |
| MRB0440 | 2.500 | +0.024 | 3.500 | +0.024 | 10.370 |
| MRB0483 | 2.500 | +0.024 | 4.000 | +0.034 | 11.870 |
| MRB0484 | 2.500 | +0.024 | 4.500 | +0.034 | 13.340 |
| MRB0485 | 2.500 | +0.024 | 5.000 | +0.034 | 14.820 |
| MRB0859 | 2.500 | +0.024 | 5.500 | +0.034 | 16.298 |
| MRB0792 | 2.500 | +0.024 | 6.000 | +0.044 | 17.789 |
| MRB0865 | 2.500 | +0.024 | 7.125 | +0.044 | 21.113 |
| MRB1631 | 2.500 | +0.024 | 8.000 | +0.054 | 23.712 |
| MRB1707 | 2.750 | +0.024 | 8.000 | +0.054 | 26.072 |
| MRB0486 | 3.000 | +0.024 | 3.500 | +0.024 | 12.440 |
| MRB0470 | 3.000 | +0.024 | 4.000 | +0.034 | 14.230 |
| MRB0996 | 3.000 | +0.024 | 4.250 | +0.034 | 15.114 |
| MRB0793 | 3.000 | +0.024 | 4.500 | +0.034 | 16.000 |
| MRB0715 | 3.000 | +0.024 | 5.000 | +0.034 | 17.770 |
| MRB0716 | 3.000 | +0.024 | 6.000 | +0.044 | 21.331 |
| MRB1641 | 3.000 | +0.024 | 8.000 | +0.054 | 28.433 |
| MRB0841 | 3.000 | +0.024 | 8.375 | +0.054 | 29.761 |
| MRB0829 | 3.000 | +0.024 | 8.400 | +0.054 | 29.849 |
| MRB0801 | 3.125 | +0.024 | 5.250 | +0.034 | 19.462 |
| MRB0678 | 3.125 | +0.024 | 8.425 | +0.054 | 31.179 |
| MRB0958 | 3.250 | +0.024 | 4.250 | +0.034 | 16.369 |
| MRB0492 | 3.500 | +0.024 | 4.000 | +0.034 | 16.718 |
| MRB0717 | 3.500 | +0.024 | 4.500 | +0.034 | 18.655 |
| MRB0836 | 3.500 | +0.024 | 5.000 | +0.034 | 20.721 |
| MRB0937 | 3.500 | +0.024 | 6.000 | +0.044 | 24.871 |
| MRB0846 | 3.500 | +0.024 | 6.750 | +0.044 | 27.968 |
| MRB0719 | 4.000 | +0.034 | 4.500 | +0.034 | 21.337 |
| MRB0720 | 4.000 | +0.034 | 5.000 | +0.034 | 23.699 |
| MRB0866 | 4.000 | +0.034 | 5.500 | +0.034 | 26.062 |
| MRB0721 | 4.000 | +0.034 | 6.000 | +0.044 | 28.447 |
| MRB0994 | 4.000 | +0.034 | 7.000 | +0.044 | 33.171 |
| MRB0970 | 4.000 | +0.034 | 8.000 | +0.054 | 37.919 |
| MRB0830 | 4.300 | +0.034 | 5.250 | +0.034 | 26.739 |
| MRB0723 | 4.500 | +0.034 | 5.000 | +0.034 | 26.649 |
| MRB0724 | 4.500 | +0.034 | 5.500 | +0.034 | 29.305 |



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RECTANGLES (continued)

| SCM DIE NUMBER | A DIM | A TOL. | B DIM | B TOL. | LBS/FT |
|----------------|-------|--------|-------|--------|--------|
| MRB0725 | 4.500 | +0.034 | 6.000 | +0.044 | 31.988 |
| MRB1657 | 4.500 | +0.034 | 6.500 | +0.044 | 34.644 |
| MRB1656 | 4.500 | +0.034 | 7.000 | +0.044 | 37.300 |
| MRB1668 | 4.500 | +0.044 | 9.500 | +0.064 | 50.689 |
| MRB0831 | 5.000 | +0.034 | 5.500 | +0.034 | 32.550 |
| MRB0794 | 5.000 | +0.034 | 6.000 | +0.044 | 35.530 |
| MRB0938 | 5.000 | +0.034 | 7.000 | +0.044 | 41.429 |
| MRB0890 | 5.000 | +0.034 | 8.000 | +0.054 | 47.358 |
| MRB0997 | 5.000 | +0.034 | 8.500 | +0.054 | 50.309 |
| MRB1577 | 5.500 | +0.034 | 6.000 | +0.044 | 39.070 |
| MRB1625 | 6.000 | +0.044 | 6.500 | +0.044 | 46.187 |
| MRB0945 | 6.000 | +0.044 | 7.000 | +0.044 | 49.728 |

SQUARES

| SCM DIE NUMBER | A DIM | A TOL. | B DIM | B TOL. | LBS/FT |
|----------------|-------|--------|-------|--------|--------|
| MSQ0625 | 1.246 | +0.014 | - | - | 1.846 |
| MSQ0663 | 1.750 | +0.014 | - | - | 3.630 |
| MSQ0487 | 2.000 | +0.024 | - | - | 4.761 |
| MSQ1594 | 2.250 | +0.024 | - | - | 6.016 |
| MSQ0474 | 2.500 | +0.024 | - | - | 7.421 |
| MSQ1587 | 2.750 | +0.024 | - | - | 8.970 |
| MSQ0488 | 3.000 | +0.024 | - | - | 10.670 |
| MSQ0489 | 3.500 | +0.024 | - | - | 14.500 |
| MSQ0718 | 4.000 | +0.034 | - | - | 18.976 |
| MSQ0722 | 4.500 | +0.034 | - | - | 23.994 |
| MSQ0726 | 5.000 | +0.034 | - | - | 29.600 |
| MSQ0939 | 5.500 | +0.034 | - | - | 35.793 |
| MSQ0880 | 6.000 | +0.044 | - | - | 42.646 |