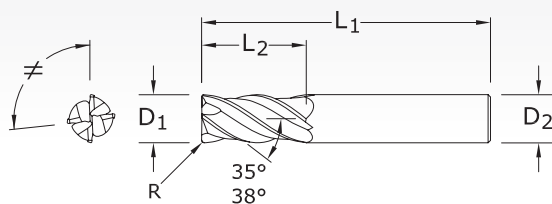


Z-Carb-AP Variable Rake End Mills



Z1MPCR METRIC SERIES



TECH INFO 58

- STEELS
- STAINLESS STEELS
- CAST IRON
- HIGH TEMP ALLOYS
- TITANIUM

| CUTTING DIAMETER D ₁ | LENGTH OF CUT L ₂ | mm | | | EDP NO. | | |
|------------------------------------|---------------------------------|----------------------------------|----------------------------------|--------------------|-------------|--------------------|------------|
| | | OVERALL LENGTH L ₁ | SHANK DIAMETER D ₂ | CORNER RADIUS R | Ti-NAMITE-X | Ti-NAMITE-X W/FLAT | JetStream* |
| 1,5 | 4,5 | 57,0 | 6,0 | 0,1 | 46849 | — | — |
| 2,0 | 6,0 | 57,0 | 6,0 | 0,2 | 48850 | — | — |
| 3,0 | 8,0 | 57,0 | 6,0 | 0,3 | 46851 | — | — |
| 3,0 | 8,0 | 57,0 | 6,0 | 0,5 | 46880 | — | — |
| 4,0 | 11,0 | 57,0 | 6,0 | 0,3 | 46852 | — | — |
| 4,0 | 11,0 | 57,0 | 6,0 | 0,5 | 46881 | — | — |
| 5,0 | 6,0 | 57,0 | 13,0 | 0,3 | 46853 | — | — |
| 6,0 | 6,0 | 57,0 | 13,0 | 0,25 | 46882 | — | — |
| 6,0 | 6,0 | 57,0 | 13,0 | 0,5 | 46854 | — | — |
| 6,0 | 6,0 | 57,0 | 13,0 | 1,0 | 46855 | — | — |
| 6,0 | 6,0 | 57,0 | 13,0 | 1,5 | 46884 | — | — |
| 8,0 | 8,0 | 63,0 | 19,0 | 0,5 | 46856 | — | — |
| 8,0 | 8,0 | 63,0 | 19,0 | 1,0 | 46857 | — | — |
| 8,0 | 8,0 | 63,0 | 19,0 | 1,5 | 46886 | — | — |
| 8,0 | 8,0 | 63,0 | 19,0 | 2,0 | 46887 | — | — |
| 10,0 | 10,0 | 72,0 | 22,0 | 0,5 | 46858 | — | — |
| 10,0 | 10,0 | 72,0 | 22,0 | 1,0 | 46859 | — | — |
| 10,0 | 10,0 | 72,0 | 22,0 | 1,5 | 46889 | — | — |
| 10,0 | 10,0 | 72,0 | 22,0 | 2,0 | 46890 | — | — |
| 10,0 | 10,0 | 72,0 | 22,0 | 2,5 | 46891 | — | — |
| 12,0 | 12,0 | 83,0 | 26,0 | 0,5 | 46860 | 46909 | — |
| 12,0 | 12,0 | 83,0 | 26,0 | 0,75 | 46861 | 46910 | — |
| 12,0 | 12,0 | 83,0 | 26,0 | 1,0 | 46893 | 46911 | — |
| 12,0 | 12,0 | 83,0 | 26,0 | 1,5 | 46894 | 46912 | — |
| 12,0 | 12,0 | 83,0 | 26,0 | 2,0 | 46895 | 46913 | — |
| 12,0 | 12,0 | 83,0 | 26,0 | 2,5 | 46896 | 46914 | — |
| 12,0 | 12,0 | 83,0 | 26,0 | 3,0 | 42718 | 46915 | — |
| 14,0 | 14,0 | 83,0 | 26,0 | 1,0 | 46862 | 46916 | 46494 |
| 16,0 | 16,0 | 92,0 | 32,0 | 1,0 | 46863 | 46917 | 46495 |
| 16,0 | 16,0 | 92,0 | 32,0 | 1,5 | 46898 | 46918 | — |
| 16,0 | 16,0 | 92,0 | 32,0 | 2,0 | 46899 | 46919 | — |
| 16,0 | 16,0 | 92,0 | 32,0 | 2,5 | 46900 | 46920 | — |
| 16,0 | 16,0 | 92,0 | 32,0 | 3,0 | 46864 | 46921 | — |
| 20,0 | 20,0 | 104,0 | 38,0 | 1,0 | 46865 | 46922 | 46497 |
| 20,0 | 20,0 | 104,0 | 38,0 | 1,5 | 46903 | 46923 | — |
| 20,0 | 20,0 | 104,0 | 38,0 | 2,0 | 46904 | 46924 | — |
| 20,0 | 20,0 | 104,0 | 38,0 | 2,5 | 46905 | 46925 | — |
| 20,0 | 20,0 | 104,0 | 38,0 | 3,0 | 42722 | 46926 | — |
| 25,0 | 25,0 | 104,0 | 38,0 | 1,0 | 46866 | 46927 | 46498 |

TOLERANCES (mm)

- <3 DIAMETER**
D₁ = +0,012/-0,012
D₂ = h₆
R = +0,000/-0,025
- 3-6 DIAMETER**
D₁ = +0,000/-0,030
D₂ = h₆
R = +0,000/-0,050
- >6-10 DIAMETER**
D₁ = +0,000/-0,040
D₂ = h₆
R = +0,000/-0,050
- >10-25 DIAMETER**
D₁ = +0,000/-0,050
D₂ = h₆
R = +0,000/-0,050

U.S. Patents 7,306,408 and 7,789,597
*JetStream Patented Coolant Technology