Carbide End Mills for Aluminum Applications

## List 2048

## SPEED FEED <br> | SREED |
| :--- |
| P1222 |

## CARBIDE



3 Flute, Long Length, Reduced Neck, Square \& Corner Radius

nits: Inch

| EDP | Mill Diameter | Corner Radius | Overall <br> Length | Length of Cut | Neck Length | Neck Diameter | Shank Diameter |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | D | R | L | Lc | L1 | d2 | d |
| 20480100 | 1/4 | - | 4 | 1/4 | 2-1/8 | 0.246 | 1/4 |
| 20480200 | 1/4 | 0.02 | 4 | 1/4 | 2-1/8 | 0.246 | 1/4 |
| 20480300 | 1/4 | 0.03 | 4 | 1/4 | 2-1/8 | 0.246 | 1/4 |
| 20480400 | 1/4 | 0.06 | 4 | 1/4 | 2-1/8 | 0.246 | 1/4 |
| 20480500 | 1/2 | - | 4 | 1/2 | 2-1/8 | 0.496 | 1/2 |
| 20480600 | 1/2 | 0.02 | 4 | 1/2 | 2-1/8 | 0.496 | 1/2 |
| 20480700 | 1/2 | 0.03 | 4 | 1/2 | 2-1/8 | 0.496 | 1/2 |
| 20480800 | 1/2 | 0.06 | 4 | 1/2 | 2-1/8 | 0.496 | 1/2 |
| 20480900 | 5/8 | - | 6 | 5/8 | 2-3/8 | 0.621 | 5/8 |
| 20481000 | 5/8 | 0.03 | 6 | 5/8 | 2-3/8 | 0.621 | 5/8 |
| 20481100 | 5/8 | 0.06 | 6 | 5/8 | 2-3/8 | 0.621 | 5/8 |
| 20481200 | 5/8 | 0.09 | 6 | 5/8 | 2-3/8 | 0.621 | 5/8 |
| 20481300 | 3/4 | - | 6 | 3/4 | 2-1/2 | 0.746 | 3/4 |
| 20481400 | 3/4 | 0.06 | 6 | 3/4 | 2-1/2 | 0.746 | 3/4 |
| 20481500 | 3/4 | 0.09 | 6 | 3/4 | 2-1/2 | 0.746 | 3/4 |
| 20481600 | 3/4 | 0.12 | 6 | 3/4 | 2-1/2 | 0.746 | 3/4 |
| 20481700 | 1 | - | 6 | 1 | 3-3/8 | 0.992 | 1 |
| 20481800 | 1 | 0.06 | 6 | 1 | 3-3/8 | 0.992 | 1 |
| 20481900 | 1 | 0.09 | 6 | 1 | 3-3/8 | 0.992 | 1 |
| 20482000 | 1 | 0.12 | 6 | 1 | 3-3/8 | 0.992 | 1 |

Packed: 1 pc.
EDPs above are stocked standard, DLC coating available upon request.

| Work Material |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | P |  |  |  |  | M |  |  | K | N |  | 5 |  | H |  |  |  |
|  | Carbon Steels |  |  | Alloy Steels | Die Steels | Stainless Steels |  |  | Cast Iron | Aluminum |  | Nickel Alloy | Titanium | Hardened Steels |  |  |  |
| List No. | Low | Med. | High |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | $\begin{aligned} & 1010 \\ & 1018 \\ & \hline \end{aligned}$ | $\begin{aligned} & 1035 \\ & 1045 \\ & \hline \end{aligned}$ | 1065 | $\begin{aligned} & 4140 \\ & 4340 \\ & \hline \end{aligned}$ |  | 300 | 400 | 17-4 PH |  | $\begin{aligned} & 6061 \\ & 7075 \\ & \hline \end{aligned}$ | Casting | Inconel | $\begin{array}{\|c\|} \hline \text { 6AI4V } \\ \text { (30 HRC) } \\ \hline \end{array}$ | $\begin{aligned} & \sim 35 \\ & \text { HRC } \end{aligned}$ | $\begin{aligned} & 35-45 \\ & \text { HRC } \end{aligned}$ | $\begin{aligned} & \mathbf{4 5 - 5 0} \\ & \text { HRC } \end{aligned}$ | $\begin{aligned} & 50-70 \\ & \text { HRC } \\ & \hline \end{aligned}$ |
| 2048 |  |  |  |  |  |  |  |  |  | (1) | (1) |  |  |  |  |  |  |

good
best

EXOCARB ${ }^{*}$ AERO

