## Double End

Cobalt High Speed Steel
List 543
4 Flute, Regular Length


| EDP <br> Number | Mill <br> Diameter | Overall <br> Length | Length <br> of Cut | Shank <br> Diameter |
| :---: | :---: | :---: | :---: | :---: |
| Bright | D | L | Lc | d |
| 5430100 | $1 / 8$ | $3-1 / 16$ | $3 / 8$ | $3 / 8$ |
| 5430200 | $3 / 16$ | $3-1 / 4$ | $1 / 2$ | $3 / 8$ |
| 5430300 | $1 / 4$ | $3-3 / 8$ | $5 / 8$ | $3 / 8$ |
| 5430400 | $5 / 16$ | $3-1 / 2$ | $3 / 4$ | $3 / 8$ |
| 5430500 | $3 / 8$ | $3-1 / 2$ | $3 / 4$ | $3 / 8$ |


| EDP <br> Number | Mill <br> Diameter | Overall <br> Length | Length <br> of Cut | Shank: Inch <br> Diameter |
| :---: | :---: | :---: | :---: | :---: |
| Bright | D | L | Lc | d |
| 5431100 | $1 / 2$ | $4-1 / 8$ | 1 | $1 / 2$ |
| 5432100 | $5 / 8$ | 5 | $1-3 / 8$ | $5 / 8$ |
| 5433100 | $3 / 4$ | $5-5 / 8$ | $1-5 / 8$ | $3 / 4$ |
| 5434100 | $7 / 8$ | $6-1 / 8$ | $1-7 / 8$ | $7 / 8$ |
| 5435100 | 1 | $6-3 / 8$ | $1-7 / 8$ | 1 |



EDP's listed above are stocked standard, other coatings available upon request.
Specify treatment at time of order.

## List 523

DDEB, 2 Flute, Regular Length, Ball End


| EDP <br> Number | Mill <br> Diameter | Overall <br> Length | Length <br> of Cut | Shank <br> Diameter |
| :---: | :---: | :---: | :---: | :---: |
| Bright | D | L | Lc | d |
| 5230100 | $1 / 8$ | $3-1 / 16$ | $3 / 8$ | $3 / 8$ |
| 5230200 | $3 / 16$ | $3-1 / 8$ | $7 / 16$ | $3 / 8$ |
| 5230300 | $1 / 4$ | $3-1 / 8$ | $1 / 2$ | $3 / 8$ |
| 5230400 | $5 / 16$ | $3-1 / 8$ | $9 / 16$ | $3 / 8$ |
| 5230500 | $3 / 8$ | $3-1 / 8$ | $9 / 16$ | $3 / 8$ |


| EDP <br> Number | Mill <br> Diameter | Overall <br> Length | Length <br> of Cut | Shanks <br> Diameter |
| :---: | :---: | :---: | :---: | :---: |
| Bright | D | L | Lc | d |
| 5239600 | $7 / 16$ | $3-3 / 4$ | $13 / 16$ | $1 / 2$ |
| 5231100 | $1 / 2$ | $3-3 / 4$ | $13 / 16$ | $1 / 2$ |
| 5232100 | $5 / 8$ | $4-1 / 2$ | $1-1 / 8$ | $5 / 8$ |
| 5233100 | $3 / 4$ | 5 | $1-5 / 16$ | $3 / 4$ |
| 5235100 | 1 | $5-7 / 8$ | $1-5 / 8$ | 1 |

Packed: 1 pc.
EDP's listed above are stocked standard, other coatings available upon request.
STE
Specify treatment at time of order.

| Work Material |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | P |  |  |  |  | M |  |  | K | N |  | 5 |  | H |  |  |  |
|  | Carbon Steels |  |  | AlloySteels | Die Steels | Stainless Steels |  |  | Cast Iron | Aluminum |  | Nickel Alloy <br> Inconel | $\begin{array}{\|c\|} \hline \text { Titanium } \\ \hline 6 \mathrm{Al} 1 \mathrm{VV} \\ (30 \mathrm{HRC}) \end{array}$ | Hardened Steels |  |  |  |
| List No. | Low | Med. | High |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| List No. | $\begin{array}{r} 1010 \\ 1018 \\ \hline \end{array}$ | $\begin{array}{r} 1035 \\ 1045 \\ \hline \end{array}$ | 1065 | $\begin{array}{r} 4140 \\ 4340 \\ \hline \end{array}$ |  | 300 | 400 | 17-4 PH |  | $\begin{aligned} & 6061 \\ & 7075 \\ & \hline \end{aligned}$ | Casting |  |  | $\begin{aligned} & \sim 35 \\ & \text { HRC } \end{aligned}$ | $\begin{aligned} & 35-45 \\ & \text { HRC } \\ & \hline \end{aligned}$ | $\begin{aligned} & 45-50 \\ & \text { HRC } \\ & \hline \end{aligned}$ | $\begin{aligned} & \mathbf{5 0 - 7 0} \\ & \text { HRC } \\ & \hline \end{aligned}$ |
| 543 | (0) | (1) | (口) | (1) | (0) | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ |  | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ |  |  |
| 523 | (1) | (0) | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ |  | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ |  |  |

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