Eagle Eye - YDH88
he Eagle Eye series is used for machining of materials between HRC 45-55, and "Miniature End Mills" using the same material. Widely used for a variety of purposes, this sophisticated line



YDH88E4A
YDH88E2A
 4 Flutes Square End Mill 2 Flutes Square End Mill

| Milling parameters |  |  |  |  |  | $\|\leftarrow D \rightarrow\|$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Type no. | Type no. | Diameter | Flute Length | Overall Length | Shank Dia |  |
| 4 Flute | 2 Flute | D | H | L | D2 |  |
| E4A04050-1.0 | E2A04050-1.0 | 1 | 3 | 50 | 4 | $4 \times 1$ |
| E4A04050-1.5 | E2A04050-1.5 | 1.5 | 4 | 50 | 4 | 1) |
| E4A04050-2.0 | E2A04050-2.0 | 2 | 5 | 50 | 4 |  |
| E4A04050-2.5 | E2A04050-2.5 | 2.5 | 7 | 50 | 4 |  |
| E4A03050-3.0 | E2A03050-3.0 | 3 | 9 | 50 | 3 |  |
| E4A04050-3.0 | E2A04050-3.0 | 3 | 9 | 50 | 4 |  |
| E4A04050-4.0 | E2A04050-4.0 | 4 | 11 | 50 | 4 |  |
| E4A06050-3.0 | E2A06050-3.0 | 3 | 9 | 50 | 6 |  |
| E4A06050-4.0 | E2A06050-4.0 | 4 | 11 | 50 | 6 |  |
| E4A06050-5.0 | E2A06050-5.0 | 5 | 13 | 50 | 6 |  |
| E4A06050-6.0 | E2A06050-6.0 | 6 | 16 | 50 | 6 |  |
| E4A08060-7.0 | E2A08060-7.0 | 7 | 18 | 60 | 8 |  |
| E4A08060-8.0 | E2A08060-8.0 | 8 | 20 | 60 | 8 | L |
| E4A10075-9.0 | E2A10075-9.0 | 9 | 23 | 75 | 10 |  |
| E4A10075-10.0 | E2A10075-10.0 | 10 | 25 | 75 | 10 |  |
| EAA12075-12.0 | E2A12075-12.0 | 12 | 30 | 75 | 12 |  |
| E4A16100-13.0 | E2A16100-13.0 | 13 | 35 | 100 | 16 |  |
| E4A16100-14.0 | E2A16100-14.0 | 14 | 35 | 100 | 16 |  |
| E4A16100-15.0 | E2A16100-15.0 | 15 | 38 | 100 | 16 |  |
| EAA16100-16.0 | E2A16100-16.0 | 16 | 40 | 100 | 16 |  |
| E4A20100-18.0 | E2A20100-18.0 | 18 | 40 | 100 | 20 |  |
| E4A20100-20.0 | E2A20100-20.0 | 20 | 45 | 100 | 20 |  |
| E4A25100-22.0 | E2A25100-22.0 | 22 | 45 | 100 | 25 |  |
| E4A25100-25.0 | E2A25100-25.0 | 25 | 45 | 100 | 25 | D2 |

## YDH88EL2A



Long Shank, 4 Flutes Square End Mill Long Shank, 2 Flutes Square End Wifi

| Milling parameters |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Type no. | Type no. | Diameter | $\begin{array}{c}\text { Flute } \\ \text { Length }\end{array}$ | $\begin{array}{c}\text { Overall } \\ \text { Length }\end{array}$ | Shank |
| Dia |  |  |  |  |  |$]$



## YDH88EF4A

YDH88EF2A

Long Flute, 4 Flutes Suuare End Mill Long Flute, 2 Flutes Square End Mill

| Milling parameters |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Type no. | Type no. | Diameter | Flute Length | Overall Length | Shank Dia |  |
| 4 Flute | 2 Flute | D | H | L | D2 |  |
| EF4A03075-3.0 | EF2A03075-3.0 | 3 | 12 | 75 | 3 |  |
| EF4A04075-3.0 | EF2A04075-3.0 | 3 | 12 | 75 | 4 | L |
| EF4A04075-4.0 | EF2A04075-4.0 | 4 | 15 | 75 | 4 |  |
| EF4A06075-5.0 | EF2A06075-5.0 | 5 | 20 | 75 | 6 |  |
| EF4A06075-6.0 | EF2A06075-6.0 | 6 | 25 | 75 | 6 |  |
| EF4A06100-6.0 | EF2A06100-6.0 | 6 | 30 | 100 | 6 |  |
| EF4A08100-8.0 | EF2A08100-8.0 | 8 | 40 | 100 | 8 |  |
| EF4A10100-10.0 | EF2A10100-10.0 | 10 | 45 | 100 | 10 |  |
| EF4A12100-12.0 | EF2A12100-12.0 | 12 | 50 | 100 | 12 |  |
| EF4A16150-16.0 | EF2A16150-16.0 | 16 | 75 | 150 | 16 | $\downarrow$ |
| EF4A20150-20.0 | EF2A20150-20.0 | 20 | 80 | 150 | 20 |  |

YDH88EP4A


## Heavy Cutting End Mill

| Milling parameters |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Type no. | Diameter | Flute Length | Overall Length | Shank Dia |
| 4 Flute | D | H | L | D2 |
| EP4A06050-3.0 | 3 | 9 | 50 | 6 |
| EP4A06050-4.0 | 4 | 11 | 50 | 6 |
| EP4A06050-5.0 | 5 | 13 | 50 | 6 |
| EP4A06050-6.0 | 6 | 16 | 50 | 6 |
| EP4A08060-8.0 | 8 | 20 | 60 | 8 |
| EP4A10075-10.0 | 10 | 25 | 75 | 10 |
| EP4A12075-12.0 | 12 | 30 | 75 | 12 |
| EP4A16100-16.0 | 16 | 40 | 100 | 16 |
| EP4A20100-20.0 | 20 | 45 | 100 | 20 |



## YDH88HE4A

YDH88HE3A

## 

4 Flutes Roughing End Mill 3 Flutes Roughing End Mill


## YDH88EU4A

YDH88EU2A
园运
4 Flutes Square End Mill for Stainless Stee 2 Flutes Square End Mill for Stainless Stee

| Milling parameters |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Type no. | Type no. | Diameter | Flute Length | Overall Length | $\begin{gathered} \text { Shank } \\ \text { Dia } \end{gathered}$ |
| 4 Flute | 2 Flute | D | H | L | D2 |
| EU4A04050-1.0 | EU2A04050-1.0 | 1 | 3 | 50 | 4 |
| EU4A04050-2.0 | EU2A04050-2.0 | 2 | 6 | 50 | 4 |
| EU4A04050-3.0 | EU2A04050-3.0 | 3 | 9 | 50 | 4 |
| EU4A04050-4.0 | EU2A04050-4.0 | 4 | 11 | 50 | 4 |
| EU4A06050-3.0 | EU2A06050-3.0 | 3 | 9 | 50 | 6 |
| EU4A06050-4.0 | EU2A06050-4.0 | 4 | 11 | 50 | 6 |
| EU4A06050-5.0 | EU2A06050-5.0 | 5 | 13 | 50 | 6 |
| EU4A06050-6.0 | EU2A06050-6.0 | 6 | 16 | 50 | 6 |
| EU4A08060-8.0 | EU2A08060-8.0 | 8 | 20 | 60 | 8 |
| EUAA10075-10.0 | EU2A10075-10.0 | 10 | 25 | 75 | 10 |
| EUAA12075-12.0 | EU2A12075-12.0 | 12 | 30 | 75 | 12 |
| EUAA16100-16.0 | EU2A16100-16.0 | 16 | 40 | 100 | 16 |
| EUAA20100-20.0 | EU2A20100-20.0 | 20 | 45 | 100 | 20 |



## YDH88UE4A



4 Flutes Unequäl Helix Siuuare End Mill

| Milling parameters |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Type no. | Diameter | Flute Length | Overall Length | Shank Dia |
| 4 Flute | D | H | L | D2 |
| UE4A06050-6.0 | 6 | 16 | 50 | 6 |
| UE4A08060-7.0 | 7 | 18 | 60 | 8 |
| UE4A08060-8.0 | 8 | 20 | 60 | 8 |
| UE4A10075-9.0 | 9 | 23 | 75 | 10 |
| UE4A10075-10.0 | 10 | 25 | 75 | 10 |
| UE4A12075-12.0 | 12 | 30 | 75 | 12 |
| UE4A16100-14.0 | 14 | 35 | 100 | 16 |
| UE4A16100-15.0 | 15 | 38 | 100 | 16 |
| UE4A16100-16.0 | 16 | 40 | 100 | 16 |
| UE4A20100-18.0 | 18 | 40 | 100 | 20 |
| UE4A20100-20.0 | 20 | 45 | 100 | 20 |






YDH88BLT2A
$\mathrm{P}_{30} \mathrm{O}_{0}$
Long Taper-2 Flute Ball Nose End Mill

| Milling parameters |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Type no. | Diameter | Flute Length | Taper Angle | Taper Neck | Overall Length | Shank Dia |
| YDH88 | D | H | $\alpha$ | H1 | L | D2 |
| BLT2A0607503-R0.5 | R0. 5 | 2 | $3^{\circ}$ | 32 | 75 | 6 |
| BLT2A0607505-R0.5 | R0.5 | 2 | $5^{\circ}$ | 32 | 75 | 6 |
| BLT2A0610003-R1.0 | R1.0 | 4 | $3^{\circ}$ | 27 | 100 | 6 |
| BLT2A0610005-R1.0 | R1.0 | 4 | $5^{\circ}$ | 27 | 100 | 6 |
| BLT2A0610015-R1.5 | R1.5 | 6 | $1.5{ }^{\circ}$ | 35 | 100 | 6 |
| BLT2A0610003-R1.5 | R1.5 | 6 | $3^{\circ}$ | 35 | 100 | 6 |
| BLT2A0610015-R2.0 | R2.0 | 8 | $1.5{ }^{\circ}$ | 28 | 100 | 6 |
| BLT2A0610003-R2.0 | R2.0 | 8 | $3^{\circ}$ | 28 | 100 | 6 |
| BLT2A0810003-33.0 | R3.0 | 12 | $3^{\circ}$ | 32 | 100 | 8 |
| BLT2A0815003-83.0 | R3.0 | 12 | $3^{\circ}$ | 32 | 150 | 8 |
| BLT2A1010005-83.0 | R3.0 | 12 | $5^{\circ}$ | 35 | 100 | 10 |
| BLT2A1015005-83.0 | R3.0 | 12 | $5^{\circ}$ | 35 | 150 | 10 |
| BLT2A1010003-R4.0 | R4.0 | 16 | $3^{\circ}$ | 36 | 100 | 10 |
| BLT2A1015003-84.0 | R4.0 | 16 | $3^{\circ}$ | 36 | 150 | 10 |
| BLT2A1210005-R4.0 | R4.0 | 16 | $5^{\circ}$ | 39 | 100 | 12 |
| BLT2A1215005-84.0 | R4.0 | 16 | $5^{\circ}$ | 39 | 150 | 12 |
| BLT2A1210003-55.0 | R5.0 | 20 | $3^{\circ}$ | 40 | 100 | 12 |
| BLT2A1215003-55.0 | R5.0 | 20 | $3^{\circ}$ | 40 | 150 | 12 |
| BLT2A1610005-R6.0 | R6. 0 | 24 | $5^{\circ}$ | 47 | 100 | 16 |
| BLT2A1615005-R6.0 | R6. 0 | 24 | $5^{\circ}$ | 47 | 150 | 16 |


| Mrilling parameters |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Type no. | Type no. | Diameter | Corner Radius | Flute Length | Overall Length | Shank Dia |
| 4 Flute | 2 Flute | D | R | H | L | D2 |
| EB4A010-0.2R | EB2A010-0.2R | 1 | 0.28 | 2 | 50 | 4 |
| EB4A020-0.2R | EB2A020-0.2R | 2 | 0.28 | 4 | 50 | 4 |
| EB4A020-0.5R | EB2A020-0.5R | 2 | 0.5 R | 4 | 50 | 4 |
| EB4A030-0.2R | EB2AO3O-0.2R | 3 | 0.28 | 6 | 50 | 4 |
| EB4A030-0.5R | EB2A030-0.5R | 3 | 0.5 R | 6 | 50 | 4 |
| EB4AO3O-1.0R | EB2A030-1.0R | 3 | 1.0R | 6 | 50 | 4 |
| EB4A040-0.2R | EB2A040-0.2R | 4 | 0.28 | 8 | 50 | 4 |
| EB4A040-0.5R | EB2A040-0.5R | 4 | 0.5R | 8 | 50 | 4 |
| EB4A040-1.0R | EB2A040-1.0R | 4 | 1.0R | 8 | 50 | 4 |
| EB4A050-0.5R | EB2A050-0.5R | 5 | 0.5R | 10 | 50 | 6 |
| EB4A050-1.0R | EB2A050-1.0R | 5 | 1.0R | 10 | 50 | 6 |
| EB4A060-0.2R | EB2A060-0.2R | 6 | 0.28 | 12 | 50 | 6 |
| EB4A060-0.5R | EB2A060-0.5R | 6 | 0.5R | 12 | 50 | 6 |
| EB4A060-1.0R | EB2A060-1.0R | 6 | 1.0R | 12 | 50 | 6 |
| EB4A060-1.5R | EB2A060-1.5R | 6 | 1.5R | 12 | 50 | 6 |
| EB4A060-2.0R | EB2A060-2.OR | 6 | 2.0R | 12 | 50 | 6 |
| EB4A080-0.5R | EB2A080-0.5R | 8 | 0.5 R | 16 | 60 | 8 |
| EB4A080-1.0R | EB2A080-1.0R | 8 | 1.0R | 16 | 60 | 8 |
| EB4A080-1.5R | EB2A080-1.5R | 8 | 1.5R | 16 | 60 | 8 |
| EB4A080-2.0R | EB2A080-2.OR | 8 | 2.08 | 16 | 60 | 8 |
| EB4AA00-0.5R | EB2A100-0.5R | 10 | 0.5 R | 20 | 75 | 10 |
| EB4A100-1.0R | EB2A100-1.0R | 10 | 1.0R | 20 | 75 | 10 |
| EB4A100-1.5R | EB2A100-1.5R | 10 | 1.5R | 20 | 75 | 10 |
| EB4A100-2.OR | EB2A100-2.0R | 10 | 2.0R | 20 | 75 | 10 |
| EB4A100-2.5R | EB2A100-2.5R | 10 | 2.5R | 20 | 75 | 10 |
| EB4A100-3.0R | EB2A100-3.0R | 10 | 3.0R | 20 | 75 | 10 |
| EB4A120-0.5R | EB2A120-0.5R | 12 | 0.5 R | 24 | 75 | 12 |
| EB4A120-1.0R | EB2A120-1.0R | 12 | 1.0R | 24 | 75 | 12 |
| EB4A120-1.5R | EB2A120-1.5R | 12 | 1.5R | 24 | 75 | 12 |
| EB4A120-2.0R | EB2A120-2.0R | 12 | 2.08 | 24 | 75 | 12 |
| EB4A120-2.5R | EB2A120-2.5R | 12 | 2.58 | 24 | 75 | 12 |



## Stunning Precision

## YDH88ES2A



Micro Diameter Square End Mill

| Milling parameters |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Type no. | Diameter | Flute <br> Length | Overall <br> Length | Shank <br> Dia |
| 2 Flute | $\mathbf{D}$ | $\mathbf{H}$ | $\mathbf{L}$ | D2 |
| ES2A04050-0.2 | 0.2 | 0.4 | 50 | 4 |
| ES2A04050-0.3 | 0.3 | 0.6 | 50 | 4 |
| ES2A04050-0.4 | 0.4 | 0.8 | 50 | 4 |
| ES2A04050-0.5 | 0.5 | 1.0 | 50 | 4 |
| ES2A04050-0.6 | 0.6 | 1.2 | 50 | 4 |
| ES2A04050-0.7 | 0.7 | 1.4 | 50 | 4 |
| ES2A04050-0.8 | 0.8 | 1.6 | 50 | 4 |
| ES2A04050-0.9 | 0.9 | 1.8 | 50 | 4 |



## YDH88BS2A



Micro Diameter Ball Nose End Mill

| Milling parameters |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Type no. | Diameter | Flute <br> Length | Overall <br> Length | Shank <br> Dia |  |
| 2 Flute | D | H | L | D2 |  |
| BS2A04050-R0.15 | R0.15 | 0.6 | 50 | 4 |  |
| BS2A04050-R0.20 | $R 0.20$ | 0.8 | 50 | 4 |  |
| BS2A04050-R0.25 | $R 0.25$ | 1.0 | 50 | 4 |  |
| BS2A04050-R0.30 | $R 0.30$ | 1.2 | 50 | 4 |  |
| BS2A04050-R0.35 | $R 0.35$ | 1.4 | 50 | 4 |  |
| BS2A04050-R0.40 | $R 0.40$ | 1.6 | 50 | 4 |  |
| BS2A04050-R0.45 | $R 0.45$ | 1.8 | 50 | 4 |  |



