

# END MILL

ดอกเอ็นมิลล์



## ดอกเอ็นมิลล์ EPOCH ROUGHING EPQM4 -CS

4Flutes



Medium



0~-0.05



Ds ≤ 6 : 0~-0.008  
6 < Ds ≤ 10 : 0~-0.009  
10 < Ds ≤ 18 : 0~-0.011  
18 < Ds : 0~-0.013

(mm)

Ideal roughing end mill for roughing of difficult-to-cut materials such as stainless steel, etc.

|                          | Item Code   | Stock                    | Size (mm) |              |                |            | Corner chamfering width | No. of Flutes |
|--------------------------|-------------|--------------------------|-----------|--------------|----------------|------------|-------------------------|---------------|
|                          |             |                          | ool Dia.  | Flute Length | Overall length | Shank Dia. |                         |               |
| Ball หัวบอล              | EPQM4060-CS | <input type="checkbox"/> | 6         | 20           | 60             | 6          | 0.4                     | A             |
| Radius หัวกัศม R         | EPQM4070-CS | <input type="checkbox"/> | 7         | 30           | 80             | 8          | 0.4                     | B             |
| Square หัวสี่            | EPQM4080-CS | <input type="checkbox"/> | 8         | 30           | 80             | 8          | 0.5                     | A             |
| Taper Ball หัวเตเปอร์บอล | EPQM4090-CS | <input type="checkbox"/> | 9         | 35           | 90             | 10         | 0.5                     | B             |
| Roughing                 | EPQM4100-CS | <input type="checkbox"/> | 10        | 35           | 90             | 10         | 0.5                     | A             |
|                          | EPQM4110-CS | <input type="checkbox"/> | 11        | 45           | 110            | 12         | 0.5                     | B             |
|                          | EPQM4120-CS | <input type="checkbox"/> | 12        | 45           | 110            | 12         | 0.5                     | A             |
|                          | EPQM4130-CS | <input type="checkbox"/> | 13        | 50           | 120            | 16         | 0.7                     | B             |
|                          | EPQM4140-CS | <input type="checkbox"/> | 14        | 50           | 120            | 16         | 0.7                     | B             |
|                          | EPQM4150-CS | <input type="checkbox"/> | 15        | 50           | 120            | 16         | 0.7                     | B             |
|                          | EPQM4160-CS | <input type="checkbox"/> | 16        | 55           | 125            | 16         | 0.7                     | A             |
|                          | EPQM4170-CS | <input type="checkbox"/> | 17        | 55           | 125            | 20         | 0.7                     | B             |
|                          | EPQM4180-CS | <input type="checkbox"/> | 18        | 65           | 135            | 20         | 0.7                     | B             |
|                          | EPQM4190-CS | <input type="checkbox"/> | 19        | 65           | 135            | 20         | 0.7                     | B             |
|                          | EPQM4200-CS | <input type="checkbox"/> | 20        | 70           | 145            | 20         | 0.7                     | A             |

☐ : Stocked by specified distributor. Contact with our sales department.

## ดอกเอ็นมิลล์ EPOCH ROUGHING EPQL4 -CS

4Flutes



Long



0~-0.05



Ds ≤ 6 : 0~-0.008  
6 < Ds ≤ 10 : 0~-0.009  
10 < Ds ≤ 18 : 0~-0.011  
18 < Ds : 0~-0.013

(mm)

| Item Code   | Stock                    | Size (mm) |              |                |            | Corner chamfering width | No. of Flutes |
|-------------|--------------------------|-----------|--------------|----------------|------------|-------------------------|---------------|
|             |                          | Tool Dia. | Flute Length | Overall length | Shank Dia. |                         |               |
| EPQL4060-CS | ●                        | 6         | 30           | 70             | 6          | 0.4                     | A             |
| EPQL4070-CS | <input type="checkbox"/> | 7         | 40           | 80             | 8          | 0.4                     | B             |
| EPQL4080-CS | ●                        | 8         | 40           | 80             | 8          | 0.5                     | A             |
| EPQL4090-CS | <input type="checkbox"/> | 9         | 50           | 100            | 10         | 0.5                     | B             |
| EPQL4100-CS | ●                        | 10        | 50           | 100            | 10         | 0.5                     | A             |
| EPQL4110-CS | <input type="checkbox"/> | 11        | 60           | 120            | 12         | 0.5                     | B             |
| EPQL4120-CS | ●                        | 12        | 60           | 120            | 12         | 0.5                     | A             |
| EPQL4130-CS | <input type="checkbox"/> | 13        | 70           | 130            | 16         | 0.7                     | B             |

| Item Code   | Stock                    | Size (mm) |              |                |            | Corner chamfering width | No. of Flutes |
|-------------|--------------------------|-----------|--------------|----------------|------------|-------------------------|---------------|
|             |                          | Tool Dia. | Flute Length | Overall length | Shank Dia. |                         |               |
| EPQL4140-CS | <input type="checkbox"/> | 14        | 70           | 130            | 16         | 0.7                     | B             |
| EPQL4150-CS | <input type="checkbox"/> | 15        | 70           | 130            | 16         | 0.7                     | B             |
| EPQL4160-CS | ●                        | 16        | 75           | 135            | 16         | 0.7                     | A             |
| EPQL4170-CS | <input type="checkbox"/> | 17        | 75           | 135            | 20         | 0.7                     | B             |
| EPQL4180-CS | <input type="checkbox"/> | 18        | 80           | 145            | 20         | 0.7                     | B             |
| EPQL4190-CS | <input type="checkbox"/> | 19        | 80           | 145            | 20         | 0.7                     | B             |
| EPQL4200-CS | ●                        | 20        | 90           | 155            | 20         | 0.7                     | A             |

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● : Stocked item