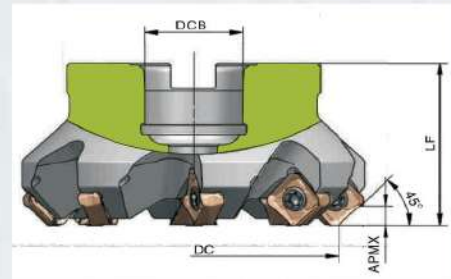


**NEW**

# Face Mill Cutter



Now Get the Power of **2**  
**Face Mill Cutter which Can Suit Both**  
**8-Edge (or) 16-Edge Milling Insert**

**8 Edge****16 Edge**

| Item Code                   | Number of Edges | Basic dimension (mm) |     |    | APMX (mm) | Applicable inserts         | Torx Screw | Torx Key |
|-----------------------------|-----------------|----------------------|-----|----|-----------|----------------------------|------------|----------|
|                             |                 | DC                   | DCB | LF |           |                            |            |          |
| TFM-D063-B22-Z06-SN13/ON-05 | 6               | 63                   | 22  | 40 | 6.00      | SNMU-13<br>(or)<br>ONMU-05 | 0512       | T15      |
| TFM-D080-B27-Z07-SN13/ON-05 | 7               | 80                   | 27  | 50 | 6.00      |                            |            |          |
| TFM-D125-B40-Z10-SN13/ON-05 | 10              | 125                  | 40  | 63 | 6.00      |                            |            |          |
| TFM-D160-B40-Z12-SN13/ON-05 | 12              | 160                  | 40  | 63 | 6.00      |                            |            |          |
| TFM-D200-B40-Z16-SN13/ON-05 | 18              | 200                  | 60  | 63 | 6.00      |                            |            |          |

| Insert Shape | Insert Specification | Coated Grade |        | Cutting Data |          |        |        |
|--------------|----------------------|--------------|--------|--------------|----------|--------|--------|
|              |                      | TC6125       | TC7125 | Face-Min     | Face-Max | Ap-Min | Ap-Max |
|              | SNMU-1305-G          | ●            | ●      | 0.50         | 1.50     | 0.50   | 4.50   |
|              | SNMU-1305-C          | ●            |        | 0.50         | 1.50     | 0.50   | 4.50   |
|              | ONMU-050505-G        | ●            | ●      | 0.50         | 1.50     | 0.50   | 6.00   |
|              | ONMU-050505-C        | ●            |        | 0.50         | 1.50     | 0.50   | 6.00   |

|                    |                                 |   |   |   |
|--------------------|---------------------------------|---|---|---|
| Machining Material | Steel                           | P | ● |   |
|                    | Stainless steel                 | M |   | ● |
|                    | Cast Iron                       | K | ● |   |
|                    | Non-ferrous metal               | S | ● |   |
|                    | Heat resistant & Titanium alloy | H | ● |   |

G - Geometry : P, M, S, H  
 C - Geometry : K

| Workpiece material |                                | Hardness (HB) | Insert grade | Cutting data                |                        |
|--------------------|--------------------------------|---------------|--------------|-----------------------------|------------------------|
|                    |                                |               |              | Cutting speed $V_c$ (m/min) | Feed rate $f_z$ (mm/z) |
| <b>P</b>           | Low-carbon steel, mild steel   | ≤180          | TC6125       | 270(220-350)                | 0.2(0.1-0.4)           |
|                    | High-carbon steel, alloy steel | 180-280       | TC6125       | 260(200-320)                | 0.2(0.1-0.4)           |
|                    | Alloy tool steel               | 280-350       | TC6125       | 240(180-300)                | 0.2(0.1-0.4)           |
| <b>M</b>           | Stainless Steel                | ≤270          | TC6125       | 140(100-250)                | 0.2(0.1-0.4)           |
| <b>K</b>           | Cast iron                      | 180-250       | TC6125       | 200(150-250)                | 0.3(0.1-0.5)           |

**Features :**

- Fine pitch design allows high feed milling
- Excellent chip evacuation
- Low cutting resistance
- Provides more available cutting edges
- Sharper cutting edge

**Benefits :**

- Smooth surface finish
- Higher feed rates
- Minimizes Chatter and Vibration
- Low cost effective and high efficiency

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