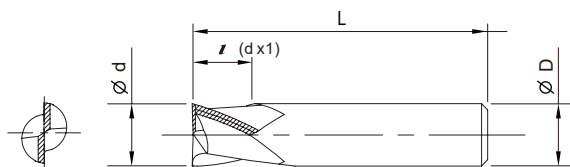
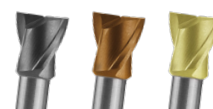
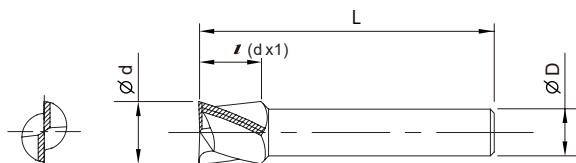


# General for Turning & Machine Center - 2 Flutes 車銑複合機用泛用立銑刀 - 2刃



| MODE<br>型號 | Diameter<br>d 刃徑 | Flute Length<br>z 刃長 | Full Length<br>L 全長 | Shank Diameter<br>D 柄徑 | Flute<br>z 刃數 | Coating |       |      |
|------------|------------------|----------------------|---------------------|------------------------|---------------|---------|-------|------|
|            |                  |                      |                     |                        |               | AlTiN   | TiSiN | Zn-A |
| TSTE0102   | 1                | 1                    | 40                  | 6                      | 2             | .01     | .02   | .03  |
| TSTE0152   | 1.5              | 1.5                  | 40                  | 6                      | 2             | .01     | .02   | .03  |
| TSTE0202   | 2                | 2                    | 40                  | 6                      | 2             | .01     | .02   | .03  |
| TSTE0252   | 2.5              | 2.5                  | 40                  | 6                      | 2             | .01     | .02   | .03  |
| TSTE0302   | 3                | 3                    | 40                  | 6                      | 2             | .01     | .02   | .03  |
| TSTE0352   | 3.5              | 3.5                  | 40                  | 6                      | 2             | .01     | .02   | .03  |
| TSTE0402   | 4                | 4                    | 40                  | 6                      | 2             | .01     | .02   | .03  |
| TSTE0502   | 5                | 5                    | 40                  | 6                      | 2             | .01     | .02   | .03  |
| TSTE0602   | 6                | 6                    | 40                  | 6                      | 2             | .01     | .02   | .03  |
| TSTE0802   | 8                | 8                    | 40                  | 8                      | 2             | .01     | .02   | .03  |
| TSTE1002   | 10               | 10                   | 45                  | 10                     | 2             | .01     | .02   | .03  |



| MODE<br>型號 | Diameter<br>d 刃徑 | Flute Length<br>z 刃長 | Full Length<br>L 全長 | Shank Diameter<br>D 柄徑 | Flute<br>z 刃數 | Coating |       |      |
|------------|------------------|----------------------|---------------------|------------------------|---------------|---------|-------|------|
|            |                  |                      |                     |                        |               | AlTiN   | TiSiN | Zn-A |
| TTE0702    | 7                | 7                    | 40                  | 6                      | 2             | .01     | .02   | .03  |
| TTE0802    | 8                | 8                    | 40                  | 6                      | 2             | .01     | .02   | .03  |
| TTE1002    | 10               | 10                   | 45                  | 6                      | 2             | .01     | .02   | .03  |
| TTE1202    | 12               | 12                   | 50                  | 10                     | 2             | .01     | .02   | .03  |
| TTE1602    | 16               | 16                   | 60                  | 10                     | 2             | .01     | .02   | .03  |

Application 適用材質：

★ Perfect 最推薦    ◎ Excellent 適合    ○ Good 佳

| Coating<br>塗層 | Carbon steel,<br>Alloy steel<br>炭素鋼, 合金鋼 | Pre-hardened steel<br>預硬鋼 | High-hardened 高硬度鋼 |        |        |        | Stainless steel<br>不鏽鋼 | Titanium alloy<br>鈦合金 | Nickel/Inconel<br>alloy<br>鎳基合金 | Copper alloy<br>銅合金, 銅 | Aluminum alloy<br>鋁合金 |
|---------------|--|---------------------------|--------------------|--------|--------|--------|------------------------|-----------------------|---------------------------------|------------------------|-----------------------|
|               |  | ~45HRC                    | ~50HRC             | ~55HRC | ~60HRC | ~65HRC |                        |                       |                                 |                        |                       |
| AlTiN         | ◎  | ◎                         | ◎                  | ○      |        |        | ○                      |                       |                                 |                        |                       |
| TiSiN         | ○  | ○                         | ○                  | ◎      |        |        |                        |                       |                                 |                        |                       |
| Zn-A          | ◎  | ◎                         | ◎                  | ○      |        |        | ◎                      | ○                     | ○                               |                        |                       |

TSTE/TTE

產品  
規格表 **P18**

Specification page

DE

產品  
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Specification page

DH+

產品  
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Specification page

MSE/SE

產品  
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Specification page

P-SSE/P-MSE/P-SE

產品  
規格表 **P65**

Specification page

**TSTE/TTE/DE/DH+/MSE/SE/P-SSE/P-MSE/P-SE 2 Flutes Slotting****TSTE/TTE/DE/DH+/MSE/SE/P-SSE/P-MSE/P-SE 2 刃溝銑**

| WORK MATERIAL<br>被切削材<br> | COPPER, COPPER ALLOY 銅、<br>鋁合金   |                         | MILD STEELS, CARBON<br>STEELS,<br>SS400、S55C、FC250、<br>NAK55<br>一般構造用鋼、碳素鋼 | HARDENED STEELS, PREHARDENED STEELS, STAINLESS<br>STEELS<br>SKT、SKD61、NAK80、HPM1、DH<br>調質鋼、預硬鋼、不鏽鋼 |                                      |                         |                                      |                         |  |
|--|--|-------------------------|--|--|--------------------------------------|-------------------------|--------------------------------------|-------------------------|--|
|  |  |                         | ~32HRC   | 33~41HRC   |                                      | 42~50HRC                |                                      |                         |  |
| MILL DIA.<br>(mm)<br>直徑  | SPEED<br>(min <sup>-1</sup> )<br>迴轉速   | FEED<br>(mm/min)<br>進給速 | SPEED<br>(min <sup>-1</sup> )<br>迴轉速                                       | FEED<br>(mm/min)<br>進給速  | SPEED<br>(min <sup>-1</sup> )<br>迴轉速 | FEED<br>(mm/min)<br>進給速 | SPEED<br>(min <sup>-1</sup> )<br>迴轉速 | FEED<br>(mm/min)<br>進給速 |  |
| 1  | 47,500   | 280                     | 17,500   | 96   | 12,500                               | 72                      | 11,000                               | 52                      |  |
| 1.5  | 32,000   | 256                     | 12,500   | 96   | 8,900                                | 72                      | 7,900                                | 52                      |  |
| 2  | 24,000   | 248                     | 9,700  | 104  | 7,000                                | 72                      | 6,300                                | 56                      |  |
| 2.5  | 20,000   | 280                     | 8,200  | 128  | 6,100                                | 72                      | 5,300                                | 56                      |  |
| 3  | 16,000   | 320                     | 6,900  | 136  | 5,300                                | 80                      | 4,400                                | 60                      |  |
| 3.5  | 14,000   | 336                     | 6,000  | 152  | 4,600                                | 96                      | 3,800                                | 64                      |  |
| 4  | 12,000   | 360                     | 5,400  | 168  | 4,200                                | 100                     | 3,500                                | 72                      |  |
| 4.5  | 10,500   | 400                     | 5,100  | 192  | 3,900                                | 104                     | 3,200                                | 76                      |  |
| 5  | 9,500  | 432                     | 4,800  | 216  | 3,500                                | 104                     | 3,000                                | 80                      |  |
| 5.5  | 8,800  | 432                     | 4,400  | 216  | 3,200                                | 104                     | 2,700                                | 80                      |  |
| 6  | 7,900  | 424                     | 4,000  | 216  | 2,900                                | 104                     | 2,500                                | 80                      |  |
| 6.5  | 7,500  | 424                     | 3,700  | 216  | 2,700                                | 104                     | 2,300                                | 80                      |  |
| 7  | 6,900  | 424                     | 3,400  | 216  | 2,500                                | 104                     | 2,100                                | 80                      |  |
| 7.5  | 6,400  | 424                     | 3,200  | 216  | 2,300                                | 104                     | 2,000                                | 80                      |  |
| 8  | 5,900  | 416                     | 3,000  | 208  | 2,200                                | 100                     | 1,900                                | 80                      |  |
| 8.5  | 5,600  | 416                     | 2,800  | 208  | 2,000                                | 100                     | 1,700                                | 80                      |  |
| 9  | 5,300  | 408                     | 2,600  | 208  | 1,900                                | 100                     | 1,500                                | 80                      |  |
| 9.5  | 5,100  | 408                     | 2,500  | 208  | 1,800                                | 100                     | 1,400                                | 76                      |  |
| 10   | 4,700  | 400                     | 2,400  | 200  | 1,700                                | 100                     | 1,500                                | 76                      |  |
| 11   | 4,400  | 400                     | 2,200  | 200  | 1,600                                | 100                     | 1,100                                | 76                      |  |
| 12   | 4,000  | 408                     | 2,000  | 200  | 1,400                                | 100                     | 1,200                                | 76                      |  |
| 16   | 3,000  | 320                     | 1,500  | 160  | 1,100                                | 92                      | 800                                  | 64                      |  |
| 18   | 2,700  | 288                     | 1,300  | 144  | 900                                  | 80                      | 700                                  | 56                      |  |
| 20   | 2,400  | 240                     | 1,200  | 120  | 800                                  | 72                      | 600                                  | 48                      |  |
| DEPTH OF CUT<br>加工深度   |  |                         |  |  |                                      |                         |                                      |                         |  |