

ST550-4BNSUS (彩鑽)

產品系列: CO-9%,WC-91%,TUNGSTEN CARBIDE0.0003mm

極細微粒碳化鎢 不銹鋼 4刃立銑刀

Ultra Micro Grain Carbide, 4 Flute, End Mills (SUS)

1. 適用對象: 塑膠模, 鍛造模, 壓鑄模, 板金模, 汽機車零件, 航太零件, 各種產業零件

2. 適用材料: 碳素鋼, 不銹鋼

■ 螺旋角度: 45度 Helix angle: 45°



SPECIFICATION

單位 Unit : mm

| 訂購編號 Order No. | 刃徑 Flute Diameter | 刃長 Flute Length | 全長 Overall Length | 柄徑 Shank Diameter | 刃數 Flute Number | 被覆層 Coating |
|--------------------------|-------------------------|-----------------------|-------------------------|-------------------------|-----------------------|----------------|
| > ST550-4BNSUS-D040-L050 | D4.0 | H11.0 | L50 | d4.0 | 4T | 彩鑽 |
| > ST550-4BNSUS-D060-L050 | D6.0 | H16.0 | L50 | d6.0 | 4T | 彩鑽 |
| > ST550-4BNSUS-D080-L060 | D8.0 | H20.0 | L60 | d8.0 | 4T | 彩鑽 |
| > ST550-4BNSUS-D100-L075 | D10.0 | H30.0 | L75 | d10.0 | 4T | 彩鑽 |
| > ST550-4BNSUS-D120-L075 | D12.0 | H32.0 | L75 | d12.0 | 4T | 彩鑽 |
| > ST550-4BNSUS-D160-L100 | D16.0 | H45.0 | L100 | d16.0 | 4T | 彩鑽 |
| > ST550-4BNSUS-D200-L100 | D20.0 | H45.0 | L100 | d20.0 | 4T | 彩鑽 |

ST660-4BNSUS (TIX)

產品系列: CO-10%,WC-90%,TUNGSTEN CARBIDE0.0006mm

超細微粒碳化鎢 不銹鋼 4刃立銑刀

Micro Grain Carbide, 4 Flute, End Mills (SUS)

1. 適用對象: 塑膠模, 鍛造模, 壓鑄模, 板金模, 汽機車零件, 航太零件, 高爾夫球類, 各類產業零件

2. 適用材料: 碳素鋼, 不銹鋼

■ 螺旋角度: 35度 Helix angle: 35°



SPECIFICATION

單位 Unit : mm

| 訂購編號 Order No. | 刃徑 Flute Diameter | 刃長 Flute Length | 全長 Overall Length | 柄徑 Shank Diameter | 刃數 Flute Number | 被覆層 (鈦矽) Coating |
|--------------------------|-------------------------|-----------------------|-------------------------|-------------------------|-----------------------|---------------------|
| > ST660-4BNSUS-D010-L050 | D1.0 | H4.0 | L50 | d4.0 | 4T | TIX |
| > ST660-4BNSUS-D015-L050 | D1.5 | H4.5 | L50 | d4.0 | 4T | TIX |
| > ST660-4BNSUS-D020-L050 | D2.0 | H6.0 | L50 | d4.0 | 4T | TIX |
| > ST660-4BNSUS-D025-L050 | D2.5 | H7.5 | L50 | d4.0 | 4T | TIX |
| > ST660-4BNSUS-D030-L050 | D3.0 | H9.0 | L50 | d4.0 | 4T | TIX |
| > ST660-4BNSUS-D040-L050 | D4.0 | H12.0 | L50 | d4.0 | 4T | TIX |
| > ST660-4BNSUS-D050-L050 | D5.0 | H15.0 | L50 | d6.0 | 4T | TIX |
| > ST660-4BNSUS-D060-L050 | D6.0 | H18.0 | L50 | d6.0 | 4T | TIX |
| > ST660-4BNSUS-D080-L060 | D8.0 | H24.0 | L60 | d8.0 | 4T | TIX |
| > ST660-4BNSUS-D100-L075 | D10.0 | H30.0 | L75 | d10.0 | 4T | TIX |
| > ST660-4BNSUS-D120-L075 | D12.0 | H36.0 | L75 | d12.0 | 4T | TIX |

ST660-2BN^(TiAlN)

產品系列: CO-10%, WC-90%, TUNGSTEN CARBIDE 0.0006mm

超細微粒碳化鎢 2刃立銑刀

Micro Grain Carbide, 2 Flute, End Mills

1. 適用對象: 各類模具及各種產業零件
 2. 適用材料: 碳素鋼, 模具鋼, 合金鋼, 工具鋼, 不銹鋼, 鈦合金, 鑄鐵
- 螺旋角度: 35度 Helix angle: 35°



SPECIFICATION

單位 Unit : mm

| 訂購編號 Order No. | 刃徑 Flute Diameter | 刃長 Flute Length | 全長 Overall Length | 柄徑 Shank Diameter | 刃數 Flute Number | 被覆層(鋁鈦) Coating |
|-----------------------|-------------------------|-----------------------|-------------------------|-------------------------|-----------------------|--------------------|
| > ST660-2BN-D010-L050 | D1.0 | H3.0 | L50 | d4.0 | 2T | TiAlN |
| > ST660-2BN-D015-L050 | D1.5 | H4.0 | L50 | d4.0 | 2T | TiAlN |
| > ST660-2BN-D020-L050 | D2.0 | H6.0 | L50 | d4.0 | 2T | TiAlN |
| > ST660-2BN-D025-L050 | D2.5 | H7.0 | L50 | d4.0 | 2T | TiAlN |
| > ST660-2BN-D030-L050 | D3.0 | H8.0 | L50 | d4.0 | 2T | TiAlN |
| > ST660-2BN-D035-L050 | D3.5 | H10.0 | L50 | d4.0 | 2T | TiAlN |
| > ST660-2BN-D040-L050 | D4.0 | H11.0 | L50 | d4.0 | 2T | TiAlN |
| > ST660-2BN-D045-L050 | D4.5 | H13.0 | L50 | d6.0 | 2T | TiAlN |
| > ST660-2BN-D050-L050 | D5.0 | H13.0 | L50 | d6.0 | 2T | TiAlN |
| > ST660-2BN-D055-L050 | D5.5 | H13.0 | L50 | d6.0 | 2T | TiAlN |
| > ST660-2BN-D060-L050 | D6.0 | H15.0 | L50 | d6.0 | 2T | TiAlN |
| > ST660-2BN-D060-L060 | D6.0 | H15.0 | L60 | d6.0 | 2T | TiAlN |
| > ST660-2BN-D065-L060 | D6.5 | H15.0 | L60 | d8.0 | 2T | TiAlN |
| > ST660-2BN-D070-L060 | D7.0 | H16.0 | L60 | d8.0 | 2T | TiAlN |
| > ST660-2BN-D075-L060 | D7.5 | H16.0 | L60 | d8.0 | 2T | TiAlN |
| > ST660-2BN-D080-L060 | D8.0 | H20.0 | L60 | d8.0 | 2T | TiAlN |
| > ST660-2BN-D085-L075 | D8.5 | H20.0 | L75 | d10.0 | 2T | TiAlN |
| > ST660-2BN-D090-L075 | D9.0 | H20.0 | L75 | d10.0 | 2T | TiAlN |
| > ST660-2BN-D095-L075 | D9.5 | H25.0 | L75 | d10.0 | 2T | TiAlN |
| > ST660-2BN-D100-L075 | D10.0 | H25.0 | L75 | d10.0 | 2T | TiAlN |
| > ST660-2BN-D105-L075 | D10.5 | H25.0 | L75 | d12.0 | 2T | TiAlN |
| > ST660-2BN-D110-L075 | D11.0 | H28.0 | L75 | d12.0 | 2T | TiAlN |
| > ST660-2BN-D115-L075 | D11.5 | H28.0 | L75 | d12.0 | 2T | TiAlN |
| > ST660-2BN-D120-L075 | D12.0 | H30.0 | L75 | d12.0 | 2T | TiAlN |
| > ST660-2BN-D125-L075 | D12.5 | H30.0 | L75 | d14.0 | 2T | TiAlN |
| > ST660-2BN-D130-L075 | D13.0 | H32.0 | L75 | d14.0 | 2T | TiAlN |
| > ST660-2BN-D140-L075 | D14.0 | H32.0 | L75 | d14.0 | 2T | TiAlN |
| > ST660-2BN-D150-L075 | D15.0 | H32.0 | L75 | d16.0 | 2T | TiAlN |
| > ST660-2BN-D160-L075 | D16.0 | H32.0 | L75 | d16.0 | 2T | TiAlN |
| > ST660-2BN-D170-L100 | D17.0 | H45.0 | L100 | d18.0 | 2T | TiAlN |
| > ST660-2BN-D180-L100 | D18.0 | H45.0 | L100 | d18.0 | 2T | TiAlN |
| > ST660-2BN-D190-L100 | D19.0 | H45.0 | L100 | d20.0 | 2T | TiAlN |
| > ST660-2BN-D200-L100 | D20.0 | H45.0 | L100 | d20.0 | 2T | TiAlN |

ST660-2BNL (TiAlN)

產品系列: CO-10%,WC-90%,TUNGSTEN CARBIDE0.0006mm

超細微粒碳化鎢 長刃型 2刃立銑刀

Micro Grain Carbide, Long Flute, 2 Flute, End Mills

1. 適用對象: 各類模具及各種零件加工
 2. 適用材料: 碳素鋼, 模具鋼, 合金鋼, 工具鋼, 不銹鋼, 鈦合金, 鑄鐵
- 螺旋角度: 35度 Helix angle: 35°



SPECIFICATION

單位 Unit : mm

| 訂購編號 Order No. | 刃徑 Flute Diameter | 刃長 Flute Length | 全長 Overall Length | 柄徑 Shank Diameter | 刃數 Flute Number | 被覆層(鋁鈦) Coating |
|------------------------|-------------------------|-----------------------|-------------------------|-------------------------|-----------------------|--------------------|
| > ST660-2BNL-D020-L060 | D2.0 | H8.0 | L60 | d6.0 | 2T | TiAlN |
| > ST660-2BNL-D030-L060 | D3.0 | H10.0 | L60 | d6.0 | 2T | TiAlN |
| > ST660-2BNL-D040-L060 | D4.0 | H15.0 | L60 | d6.0 | 2T | TiAlN |
| > ST660-2BNL-D040-L075 | D4.0 | H20.0 | L75 | d6.0 | 2T | TiAlN |
| > ST660-2BNL-D045-L060 | D4.5 | H16.0 | L60 | d6.0 | 2T | TiAlN |
| > ST660-2BNL-D050-L060 | D5.0 | H16.0 | L60 | d6.0 | 2T | TiAlN |
| > ST660-2BNL-D055-L060 | D5.5 | H16.0 | L60 | d6.0 | 2T | TiAlN |
| > ST660-2BNL-D060-L075 | D6.0 | H25.0 | L75 | d6.0 | 2T | TiAlN |
| > ST660-2BNL-D065-L075 | D6.5 | H25.0 | L75 | d8.0 | 2T | TiAlN |
| > ST660-2BNL-D070-L075 | D7.0 | H25.0 | L75 | d8.0 | 2T | TiAlN |
| > ST660-2BNL-D075-L075 | D7.5 | H25.0 | L75 | d8.0 | 2T | TiAlN |
| > ST660-2BNL-D080-L075 | D8.0 | H25.0 | L75 | d8.0 | 2T | TiAlN |
| > ST660-2BNL-D080-L100 | D8.0 | H35.0 | L100 | d8.0 | 2T | TiAlN |
| > ST660-2BNL-D085-L100 | D8.5 | H35.0 | L100 | d10.0 | 2T | TiAlN |
| > ST660-2BNL-D090-L100 | D9.0 | H35.0 | L100 | d10.0 | 2T | TiAlN |
| > ST660-2BNL-D095-L100 | D9.5 | H40.0 | L100 | d10.0 | 2T | TiAlN |
| > ST660-2BNL-D100-L100 | D10.0 | H40.0 | L100 | d10.0 | 2T | TiAlN |
| > ST660-2BNL-D105-L100 | D10.5 | H40.0 | L100 | d12.0 | 2T | TiAlN |
| > ST660-2BNL-D110-L100 | D11.0 | H40.0 | L100 | d12.0 | 2T | TiAlN |
| > ST660-2BNL-D115-L100 | D11.5 | H45.0 | L100 | d12.0 | 2T | TiAlN |
| > ST660-2BNL-D120-L100 | D12.0 | H45.0 | L100 | d12.0 | 2T | TiAlN |
| > ST660-2BNL-D125-L100 | D12.5 | H45.0 | L100 | d14.0 | 2T | TiAlN |
| > ST660-2BNL-D130-L100 | D13.0 | H45.0 | L100 | d14.0 | 2T | TiAlN |
| > ST660-2BNL-D140-L100 | D14.0 | H45.0 | L100 | d14.0 | 2T | TiAlN |
| > ST660-2BNL-D150-L100 | D15.0 | H45.0 | L100 | d16.0 | 2T | TiAlN |
| > ST660-2BNL-D160-L100 | D16.0 | H45.0 | L100 | d16.0 | 2T | TiAlN |

ST660-4BN (TiAlN)

產品系列: CO-10%,WC-90%,TUNGSTEN CARBIDE0.0006mm

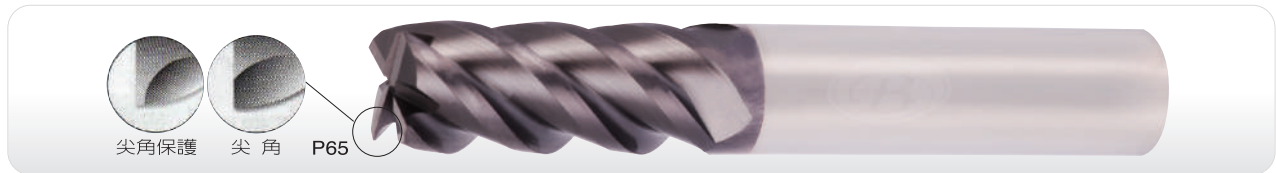
超細微粒碳化鎢 4刃立銑刀

Micro Grain Carbide, 4 Flute, End Mills

1. 適用對象: 塑膠模, 鍛造模, 壓鑄模, 板金模, 汽機車零件, 航太零件, 高爾夫球類, 各類產業零件

2. 適用材料: 碳素鋼, 模具鋼, 合金鋼, 工具鋼, 不銹鋼, 鈦合金, 鑄鐵

■ 螺旋角度:45度 Helix angle:45°



SPECIFICATION

單位 Unit : mm

| 訂購編號 Order No. | 刃徑 Flute Diameter | 刃長 Flute Length | 全長 Overall Length | 柄徑 Shank Diameter | 刃數 Flute Number | 被覆層(鋁鈦) Coating |
|-----------------------|-------------------------|-----------------------|-------------------------|-------------------------|-----------------------|--------------------|
| > ST660-4BN-D010-L050 | D1.0 | H3.0 | L50 | d4.0 | 4T | TiAlN |
| > ST660-4BN-D015-L050 | D1.5 | H4.0 | L50 | d4.0 | 4T | TiAlN |
| > ST660-4BN-D020-L050 | D2.0 | H6.0 | L50 | d4.0 | 4T | TiAlN |
| > ST660-4BN-D025-L050 | D2.5 | H7.0 | L50 | d4.0 | 4T | TiAlN |
| > ST660-4BN-D030-L050 | D3.0 | H7.5 | L50 | d4.0 | 4T | TiAlN |
| > ST660-4BN-D040-L050 | D4.0 | H10.0 | L50 | d4.0 | 4T | TiAlN |
| > ST660-4BN-D050-L050 | D5.0 | H12.5 | L50 | d6.0 | 4T | TiAlN |
| > ST660-4BN-D050-L060 | D5.0 | H12.5 | L60 | d6.0 | 4T | TiAlN |
| > ST660-4BN-D060-L050 | D6.0 | H15.0 | L50 | d6.0 | 4T | TiAlN |
| > ST660-4BN-D060-L060 | D6.0 | H15.0 | L60 | d6.0 | 4T | TiAlN |
| > ST660-4BN-D070-L060 | D7.0 | H16.0 | L60 | d8.0 | 4T | TiAlN |
| > ST660-4BN-D080-L060 | D8.0 | H20.0 | L60 | d8.0 | 4T | TiAlN |
| > ST660-4BN-D080-L075 | D8.0 | H25.0 | L75 | d8.0 | 4T | TiAlN |
| > ST660-4BN-D100-L075 | D10.0 | H30.0 | L75 | d10.0 | 4T | TiAlN |
| > ST660-4BN-D120-L075 | D12.0 | H30.0 | L75 | d12.0 | 4T | TiAlN |
| > ST660-4BN-D140-L075 | D14.0 | H30.0 | L75 | d14.0 | 4T | TiAlN |
| > ST660-4BN-D160-L100 | D16.0 | H45.0 | L100 | d16.0 | 4T | TiAlN |
| > ST660-4BN-D180-L100 | D18.0 | H45.0 | L100 | d18.0 | 4T | TiAlN |
| > ST660-4BN-D200-L100 | D20.0 | H45.0 | L100 | d20.0 | 4T | TiAlN |
| > ST660-4BN-D250-L100 | D25.0 | H45.0 | L100 | d25.0 | 4T | TiAlN |

ST660-4BNL (TiAlN)

產品系列: CO-10%, WC-90%, TUNGSTEN CARBIDE 0.0006mm

超細微粒碳化鎢 長刃型 4刃立銑刀

Micro Grain Carbide, Long Flute, 4 Flute, End Mills

1. 適用對象: 各類模具, 汽機車零件, 航太零件, 各類產業零件
2. 適用材料: 碳素鋼, 模具鋼, 合金鋼, 工具鋼, 不銹鋼, 鈦合金, 鑄鐵

■ 螺旋角度: 45度 Helix angle: 45°



SPECIFICATION

單位 Unit : mm

| 訂購編號 Order No. | 刃徑 Flute Diameter | 刃長 Flute Length | 全長 Overall Length | 柄徑 Shank Diameter | 刃數 Flute Number | 被覆層(鋁鈦) Coating |
|------------------------|-------------------------|-----------------------|-------------------------|-------------------------|-----------------------|--------------------|
| > ST660-4BNL-D030-L060 | D3.0 | H12.0 | L60 | d6.0 | 4T | TiAlN |
| > ST660-4BNL-D040-L060 | D4.0 | H16.0 | L60 | d6.0 | 4T | TiAlN |
| > ST660-4BNL-D040-L075 | D4.0 | H20.0 | L75 | d6.0 | 4T | TiAlN |
| > ST660-4BNL-D050-L075 | D5.0 | H20.0 | L75 | d6.0 | 4T | TiAlN |
| > ST660-4BNL-D060-L075 | D6.0 | H25.0 | L75 | d6.0 | 4T | TiAlN |
| > ST660-4BNL-D070-L075 | D7.0 | H28.0 | L75 | d8.0 | 4T | TiAlN |
| > ST660-4BNL-D080-L100 | D8.0 | H32.0 | L100 | d8.0 | 4T | TiAlN |
| > ST660-4BNL-D100-L100 | D10.0 | H40.0 | L100 | d10.0 | 4T | TiAlN |
| > ST660-4BNL-D120-L100 | D12.0 | H45.0 | L100 | d12.0 | 4T | TiAlN |
| > ST660-4BNL-D120-L150 | D12.0 | H50.0 | L150 | d12.0 | 4T | TiAlN |
| > ST660-4BNL-D140-L100 | D14.0 | H45.0 | L100 | d14.0 | 4T | TiAlN |
| > ST660-4BNL-D160-L150 | D16.0 | H64.0 | L150 | d16.0 | 4T | TiAlN |
| > ST660-4BNL-D180-L150 | D18.0 | H65.0 | L150 | d18.0 | 4T | TiAlN |
| > ST660-4BNL-D200-L150 | D20.0 | H72.0 | L150 | d20.0 | 4T | TiAlN |
| > ST660-4BNL-D250-L150 | D25.0 | H80.0 | L150 | d25.0 | 4T | TiAlN |

ST660-6BN (TiAlN)

產品系列: CO-10%,WC-90%,TUNGSTEN CARBIDE0.0006mm

超細微粒碳化鎢 6刃立銑刀

Micro Grain Carbide, 6 Flute, End Mills

1. 適用對象: 各類模具, 汽機車零件, 航太零件, 高爾夫球頭, 其它各類產業零件
2. 適用材料: 碳素鋼, 模具鋼, 合金鋼, 工具鋼, 不銹鋼, 鈦合金, 鑄鐵

■ 螺旋角度: 45度 Helix angle: 45°



SPECIFICATION

單位 Unit : mm

| 訂購編號 Order No. | 刃徑 Flute Diameter | 刃長 Flute Length | 全長 Overall Length | 柄徑 Shank Diameter | 刃數 Flute Number | 被覆層(鋁鈦) Coating |
|----------------------|-------------------------|-----------------------|-------------------------|-------------------------|-----------------------|--------------------|
| > ST660-6BN-D06-L060 | D6.0 | H18.0 | L60 | d6.0 | 6T | TiAlN |
| > ST660-6BN-D08-L060 | D8.0 | H20.0 | L60 | d8.0 | 6T | TiAlN |
| > ST660-6BN-D10-L075 | D10.0 | H30.0 | L75 | d10.0 | 6T | TiAlN |
| > ST660-6BN-D12-L075 | D12.0 | H32.0 | L75 | d12.0 | 6T | TiAlN |
| > ST660-6BN-D16-L100 | D16.0 | H40.0 | L100 | d16.0 | 6T | TiAlN |
| > ST660-6BN-D20-L100 | D20.0 | H45.0 | L100 | d20.0 | 6T | TiAlN |
| > ST660-6BN-D25-L100 | D25.0 | H45.0 | L100 | d25.0 | 6T | TiAlN |

ST660-6BNL (TiAlN)

產品系列: CO-10%,WC-90%,TUNGSTEN CARBIDE0.0006mm

超細微粒碳化鎢 長刃型 6刃立銑刀

Micro Grain Carbide, Long Flute, 6 Flute, End Mills

1. 適用對象: 各類模具, 汽機車零件, 航太零件, 高爾夫球頭, 其它各類產業零件
2. 適用材料: 碳素鋼, 模具鋼, 合金鋼, 工具鋼, 不銹鋼, 鈦合金, 鑄鐵

■ 螺旋角度: 45度 Helix angle: 45°



SPECIFICATION

單位 Unit : mm

| 訂購編號 Order No. | 刃徑 Flute Diameter | 刃長 Flute Length | 全長 Overall Length | 柄徑 Shank Diameter | 刃數 Flute Number | 被覆層(鋁鈦) Coating |
|-----------------------|-------------------------|-----------------------|-------------------------|-------------------------|-----------------------|--------------------|
| > ST660-6BNL-D06-L075 | D6.0 | H24.0 | L75 | d6.0 | 6T | TiAlN |
| > ST660-6BNL-D08-L075 | D8.0 | H32.0 | L75 | d8.0 | 6T | TiAlN |
| > ST660-6BNL-D10-L100 | D10.0 | H40.0 | L100 | d10.0 | 6T | TiAlN |
| > ST660-6BNL-D12-L100 | D12.0 | H45.0 | L100 | d12.0 | 6T | TiAlN |
| > ST660-6BNL-D16-L150 | D16.0 | H64.0 | L150 | d16.0 | 6T | TiAlN |
| > ST660-6BNL-D20-L150 | D20.0 | H75.0 | L150 | d20.0 | 6T | TiAlN |
| > ST660-6BNL-D25-L150 | D25.0 | H80.0 | L150 | d25.0 | 6T | TiAlN |

ST660-2BNMR (TiAlN)

產品系列: CO-10%, WC-90%, TUNGSTEN CARBIDE 0.0006mm

超細微粒碳化鎢 圓鼻 2刃立銑刀

Micro Grain Carbide, Corner Radius, 2 Flute, End Mills

1. 適用對象: 各類模具, 汽機車零件, 航太零件, 高爾夫球頭, 其它產業零件

2. 適用材料: 碳素鋼, 模具鋼, 合金鋼, 工具鋼, 不銹鋼, 鑄鐵

■ 螺旋角度: 35度 Helix angle: 35°



SPECIFICATION

單位 Unit : mm

| 訂購編號 Order No. | 刃徑 Flute Diameter | R角 Corner Radius | 刃長 Flute Length | 全長 Overall Length | 柄徑 Shank Diameter | 刃數 Flute Number | 被覆層(鋁鈦) Coating |
|-------------------------|-------------------------|------------------------|-----------------------|-------------------------|-------------------------|-----------------------|--------------------|
| > ST660-2BNMR-D01-R0.2 | D1.0 | R0.2 | H2.0 | L50 | d4.0 | 2T | TiAlN |
| > ST660-2BNMR-D015-R0.2 | D1.5 | R0.2 | H3.0 | L50 | d4.0 | 2T | TiAlN |
| > ST660-2BNMR-D02-R0.2 | D2.0 | R0.2 | H4.0 | L50 | d4.0 | 2T | TiAlN |
| > ST660-2BNMR-D02-R0.3 | D2.0 | R0.3 | H4.0 | L50 | d4.0 | 2T | TiAlN |
| > ST660-2BNMR-D02-R0.5 | D2.0 | R0.5 | H4.0 | L50 | d4.0 | 2T | TiAlN |
| > ST660-2BNMR-D03-R0.3 | D3.0 | R0.3 | H6.0 | L50 | d4.0 | 2T | TiAlN |
| > ST660-2BNMR-D03-R0.5 | D3.0 | R0.5 | H6.0 | L50 | d4.0 | 2T | TiAlN |
| > ST660-2BNMR-D04-R0.3 | D4.0 | R0.3 | H8.0 | L50 | d4.0 | 2T | TiAlN |
| > ST660-2BNMR-D04-R0.5 | D4.0 | R0.5 | H8.0 | L50 | d4.0 | 2T | TiAlN |
| > ST660-2BNMR-D04-R1.0 | D4.0 | R1.0 | H8.0 | L50 | d4.0 | 2T | TiAlN |
| > ST660-2BNMR-D05-R0.3 | D5.0 | R0.3 | H10.0 | L50 | d6.0 | 2T | TiAlN |
| > ST660-2BNMR-D05-R0.5 | D5.0 | R0.5 | H10.0 | L50 | d6.0 | 2T | TiAlN |
| > ST660-2BNMR-D05-R1.0 | D5.0 | R1.0 | H10.0 | L50 | d6.0 | 2T | TiAlN |
| > ST660-2BNMR-D06-R0.5 | D6.0 | R0.5 | H12.0 | L50 | d6.0 | 2T | TiAlN |
| > ST660-2BNMR-D06-R1.0 | D6.0 | R1.0 | H12.0 | L50 | d6.0 | 2T | TiAlN |
| > ST660-2BNMR-D06-R0.3 | D6.0 | R0.3 | H12.0 | L75 | d6.0 | 2T | TiAlN |
| > ST660-2BNMR-D06-R0.5 | D6.0 | R0.5 | H12.0 | L75 | d6.0 | 2T | TiAlN |
| > ST660-2BNMR-D06-R1.0 | D6.0 | R1.0 | H12.0 | L75 | d6.0 | 2T | TiAlN |
| > ST660-2BNMR-D08-R0.5 | D8.0 | R0.5 | H16.0 | L60 | d8.0 | 2T | TiAlN |
| > ST660-2BNMR-D08-R0.3 | D8.0 | R0.3 | H16.0 | L75 | d8.0 | 2T | TiAlN |
| > ST660-2BNMR-D08-R0.5 | D8.0 | R0.5 | H16.0 | L75 | d8.0 | 2T | TiAlN |
| > ST660-2BNMR-D08-R1.0 | D8.0 | R1.0 | H16.0 | L75 | d8.0 | 2T | TiAlN |
| > ST660-2BNMR-D10-R0.5 | D10.0 | R0.5 | H20.0 | L75 | d10.0 | 2T | TiAlN |
| > ST660-2BNMR-D10-R1.0 | D10.0 | R1.0 | H20.0 | L75 | d10.0 | 2T | TiAlN |
| > ST660-2BNMR-D10-R1.5 | D10.0 | R1.5 | H20.0 | L75 | d10.0 | 2T | TiAlN |
| > ST660-2BNMR-D10-R2.0 | D10.0 | R2.0 | H20.0 | L75 | d10.0 | 2T | TiAlN |
| > ST660-2BNMR-D12-R1.0 | D12.0 | R1.0 | H24.0 | L75 | d12.0 | 2T | TiAlN |
| > ST660-2BNMR-D12-R1.5 | D12.0 | R1.5 | H24.0 | L75 | d12.0 | 2T | TiAlN |
| > ST660-2BNMR-D12-R2.0 | D12.0 | R2.0 | H24.0 | L75 | d12.0 | 2T | TiAlN |

ST660-4BNMR (TIALN)

產品系列: CO-10%,WC-90%,TUNGSTEN CARBIDE0.0006mm

超細微粒碳化鎢 圓鼻 4刃立銑刀

Micro Grain Carbide, Corner Radius, 4 Flute, End Mills

1. 適用對象: 各類模具, 汽機車零件, 航太零件, 高爾夫球頭, 其它產業零件

2. 適用材料: 碳素鋼, 模具鋼, 合金鋼, 工具鋼, 不銹鋼, 鑄鐵

■ 螺旋角度: 35度 Helix angle: 35°



SPECIFICATION

單位 Unit : mm

| 訂購編號 Order No. | 刃徑 Flute Diameter | R角 Corner Radius | 刃長 Flute Length | 全長 Overall Length | 柄徑 Shank Diameter | 刃數 Flute Number | 被覆層(鋁鈦) Coating |
|------------------------|-------------------------|------------------------|-----------------------|-------------------------|-------------------------|-----------------------|--------------------|
| > ST660-4BNMR-D03-R0.3 | D3.0 | R0.3 | H6.0 | L50 | d4.0 | 4T | TIALN |
| > ST660-4BNMR-D03-R0.5 | D3.0 | R0.5 | H6.0 | L50 | d4.0 | 4T | TIALN |
| > ST660-4BNMR-D04-R0.3 | D4.0 | R0.3 | H8.0 | L50 | d4.0 | 4T | TIALN |
| > ST660-4BNMR-D04-R0.5 | D4.0 | R0.5 | H8.0 | L50 | d4.0 | 4T | TIALN |
| > ST660-4BNMR-D04-R1.0 | D4.0 | R1.0 | H8.0 | L50 | d4.0 | 4T | TIALN |
| > ST660-4BNMR-D05-R0.3 | D5.0 | R0.3 | H10.0 | L50 | d6.0 | 4T | TIALN |
| > ST660-4BNMR-D05-R0.5 | D5.0 | R0.5 | H10.0 | L50 | d6.0 | 4T | TIALN |
| > ST660-4BNMR-D05-R1.0 | D5.0 | R1.0 | H10.0 | L50 | d6.0 | 4T | TIALN |
| > ST660-4BNMR-D06-R0.5 | D6.0 | R0.5 | H12.0 | L50 | d6.0 | 4T | TIALN |
| > ST660-4BNMR-D06-R1.0 | D6.0 | R1.0 | H12.0 | L50 | d6.0 | 4T | TIALN |
| > ST660-4BNMR-D06-R0.3 | D6.0 | R0.3 | H12.0 | L75 | d6.0 | 4T | TIALN |
| > ST660-4BNMR-D06-R0.5 | D6.0 | R0.5 | H12.0 | L75 | d6.0 | 4T | TIALN |
| > ST660-4BNMR-D06-R1.0 | D6.0 | R1.0 | H12.0 | L75 | d6.0 | 4T | TIALN |
| > ST660-4BNMR-D08-R0.5 | D8.0 | R0.5 | H16.0 | L60 | d8.0 | 4T | TIALN |
| > ST660-4BNMR-D08-R0.3 | D8.0 | R0.3 | H16.0 | L75 | d8.0 | 4T | TIALN |
| > ST660-4BNMR-D08-R0.5 | D8.0 | R0.5 | H16.0 | L75 | d8.0 | 4T | TIALN |
| > ST660-4BNMR-D08-R1.0 | D8.0 | R1.0 | H16.0 | L75 | d8.0 | 4T | TIALN |
| > ST660-4BNMR-D10-R0.5 | D10.0 | R0.5 | H20.0 | L75 | d10.0 | 4T | TIALN |
| > ST660-4BNMR-D10-R1.0 | D10.0 | R1.0 | H20.0 | L75 | d10.0 | 4T | TIALN |
| > ST660-4BNMR-D10-R1.5 | D10.0 | R1.5 | H20.0 | L75 | d10.0 | 4T | TIALN |
| > ST660-4BNMR-D10-R2.0 | D10.0 | R2.0 | H20.0 | L75 | d10.0 | 4T | TIALN |
| > ST660-4BNMR-D12-R0.5 | D12.0 | R0.5 | H24.0 | L75 | d12.0 | 4T | TIALN |
| > ST660-4BNMR-D12-R1.0 | D12.0 | R1.0 | H24.0 | L75 | d12.0 | 4T | TIALN |
| > ST660-4BNMR-D12-R1.5 | D12.0 | R1.5 | H24.0 | L75 | d12.0 | 4T | TIALN |
| > ST660-4BNMR-D12-R2.0 | D12.0 | R2.0 | H24.0 | L75 | d12.0 | 4T | TIALN |
| > ST660-4BNMR-D16-R1.0 | D16.0 | R1.0 | H40.0 | L100 | d16.0 | 4T | TIALN |
| > ST660-4BNMR-D16-R2.0 | D16.0 | R2.0 | H40.0 | L100 | d16.0 | 4T | TIALN |

ST660-4BNSR (TIALN)

產品系列: CO-10%,WC-90%,TUNGSTEN CARBIDE0.0006mm

超細微粒碳化鎢 圓鼻短刃 4刃立銑刀

Micro Grain Carbide, Corner Radius, Short Flute, 4 Flute, End Mills

1. 適用對象: 各類模具, 汽機車零件, 航太零件, 高爾夫球頭, 其它產業零件
2. 適用材料: 碳素鋼, 模具鋼, 合金鋼, 工具鋼, 不銹鋼, 鑄鐵

■ 螺旋角度: 35度 Helix angle: 35°



SPECIFICATION

單位 Unit : mm

| 訂購編號 Order No. | 刃徑 Flute Diameter | R角 Corner Radius | 刃長 Flute Length | 全長 Overall Length | 柄徑 Shank Diameter | 刃數 Flute Number | 被覆層(鋁鈦) Coating |
|------------------------|-------------------------|------------------------|-----------------------|-------------------------|-------------------------|-----------------------|--------------------|
| > ST660-4BNSR-D06-R0.5 | D6.0 | R0.5 | H6.0 | L75 | d6.0 | 4T | TIALN |
| > ST660-4BNSR-D06-R1.0 | D6.0 | R1.0 | H6.0 | L75 | d6.0 | 4T | TIALN |
| > ST660-4BNSR-D08-R0.3 | D8.0 | R0.3 | H8.0 | L100 | d8.0 | 4T | TIALN |
| > ST660-4BNSR-D08-R0.5 | D8.0 | R0.5 | H8.0 | L100 | d8.0 | 4T | TIALN |
| > ST660-4BNSR-D08-R1.0 | D8.0 | R1.0 | H8.0 | L100 | d8.0 | 4T | TIALN |
| > ST660-4BNSR-D10-R0.5 | D10.0 | R0.5 | H10.0 | L100 | d10.0 | 4T | TIALN |
| > ST660-4BNSR-D10-R1.0 | D10.0 | R1.0 | H10.0 | L100 | d10.0 | 4T | TIALN |
| > ST660-4BNSR-D10-R1.5 | D10.0 | R1.5 | H10.0 | L100 | d10.0 | 4T | TIALN |
| > ST660-4BNSR-D10-R2.0 | D10.0 | R2.0 | H10.0 | L100 | d10.0 | 4T | TIALN |
| > ST660-4BNSR-D12-R1.0 | D12.0 | R1.0 | H12.0 | L100 | d12.0 | 4T | TIALN |
| > ST660-4BNSR-D12-R1.5 | D12.0 | R1.5 | H12.0 | L100 | d12.0 | 4T | TIALN |
| > ST660-4BNSR-D12-R2.0 | D12.0 | R2.0 | H12.0 | L100 | d12.0 | 4T | TIALN |

ST660-4AE (TIALN)

產品系列: CO-10%,WC-90%,TUNGSTEN CARBIDE0.0006mm

超細微粒碳化鎢 4刃球型立銑刀

Micro Grain Carbide, 4 Flute, Ball End Mills

1. 適用對象: 塑膠模, 鍛造模, 壓鑄模, 板金模, 汽機車零件, 航太零件, 各種產業零件
2. 適用材料: 碳素鋼, 模具鋼, 合金鋼, 工具鋼, 不銹鋼, 鈦合金, 鑄鐵

■ 螺旋角度: 35度 Helix angle: 35°



SPECIFICATION

單位 Unit : mm

| 訂購編號 Order No. | R徑 Flute Radius | 刃長 Flute Length | 全長 Overall Length | 柄徑 Shank Diameter | 刃數 Flute Number | 被覆層(鋁鈦) Coating |
|------------------------|-----------------------|-----------------------|-------------------------|-------------------------|-----------------------|--------------------|
| > ST660-4AE-R0300-L050 | R3.0 | H12.0 | L50 | d6.0 | 4T | TIALN |
| > ST660-4AE-R0400-L060 | R4.0 | H16.0 | L60 | d8.0 | 4T | TIALN |
| > ST660-4AE-R0500-L075 | R5.0 | H20.0 | L75 | d10.0 | 4T | TIALN |
| > ST660-4AE-R0600-L075 | R6.0 | H20.0 | L75 | d12.0 | 4T | TIALN |
| > ST660-4AE-R0700-L100 | R7.0 | H24.0 | L100 | d16.0 | 4T | TIALN |
| > ST660-4AE-R0800-L100 | R8.0 | H24.0 | L100 | d16.0 | 4T | TIALN |
| > ST660-4AE-R1000-L100 | R10.0 | H30.0 | L100 | d20.0 | 4T | TIALN |
| > ST660-4AE-R1000-L150 | R10.0 | H30.0 | L150 | d20.0 | 4T | TIALN |
| > ST660-4AE-R1250-L150 | R12.5 | H35.0 | L150 | d25.0 | 4T | TIALN |

ST660-2AE (TIALN)

產品系列: CO-10%,WC-90%,TUNGSTEN CARBIDE0.0006mm

超細微粒碳化鎢 2刃球型立銑刀

Micro Grain Carbide, 2 Flute, Ball End Mills

1. 適用對象: 塑膠模, 鍛造模, 壓鑄模, 板金模, 汽機車零件, 航太零件, 各種產業零件

2. 適用材料: 碳素鋼, 模具鋼, 合金鋼, 工具鋼, 不銹鋼, 鈦合金, 鑄鐵

■ 螺旋角度: 35度 Helix angle: 35°



SPECIFICATION

單位 Unit : mm

| 訂購編號 Order No. | R徑 Flute Radius | 刃長 Flute Length | 全長 Overall Length | 柄徑 Shank Diameter | 刃數 Flute Number | 被覆層(鋁鈦) Coating |
|------------------------|-----------------------|-----------------------|-------------------------|-------------------------|-----------------------|--------------------|
| > ST660-2AE-R0050-L050 | R0.5 | H2.0 | L50 | d4.0 | 2T | TIALN |
| > ST660-2AE-R0075-L050 | R0.75 | H3.0 | L50 | d4.0 | 2T | TIALN |
| > ST660-2AE-R0100-L050 | R1.0 | H4.0 | L50 | d4.0 | 2T | TIALN |
| > ST660-2AE-R0125-L050 | R1.25 | H5.0 | L50 | d4.0 | 2T | TIALN |
| > ST660-2AE-R0150-L050 | R1.5 | H6.0 | L50 | d4.0 | 2T | TIALN |
| > ST660-2AE-R0200-L050 | R2.0 | H8.0 | L50 | d4.0 | 2T | TIALN |
| > ST660-2AE-R0250-L050 | R2.5 | H10.0 | L50 | d6.0 | 2T | TIALN |
| > ST660-2AE-R0275-L050 | R2.75 | H11.0 | L50 | d6.0 | 2T | TIALN |
| > ST660-2AE-R0300-L050 | R3.0 | H12.0 | L50 | d6.0 | 2T | TIALN |
| > ST660-2AE-R0300-L060 | R3.0 | H12.0 | L60 | d6.0 | 2T | TIALN |
| > ST660-2AE-R0350-L060 | R3.5 | H12.0 | L60 | d8.0 | 2T | TIALN |
| > ST660-2AE-R0400-L060 | R4.0 | H16.0 | L60 | d8.0 | 2T | TIALN |
| > ST660-2AE-R0400-L075 | R4.0 | H16.0 | L75 | d8.0 | 2T | TIALN |
| > ST660-2AE-R0450-L075 | R4.5 | H18.0 | L75 | d10.0 | 2T | TIALN |
| > ST660-2AE-R0500-L075 | R5.0 | H20.0 | L75 | d10.0 | 2T | TIALN |
| > ST660-2AE-R0600-L075 | R6.0 | H20.0 | L75 | d12.0 | 2T | TIALN |
| > ST660-2AE-R0700-L075 | R7.0 | H24.0 | L75 | d14.0 | 2T | TIALN |
| > ST660-2AE-R0800-L100 | R8.0 | H24.0 | L100 | d16.0 | 2T | TIALN |
| > ST660-2AE-R1000-L150 | R10.0 | H30.0 | L150 | d20.0 | 2T | TIALN |
| > ST660-2AE-R1250-L150 | R12.5 | H30.0 | L150 | d25.0 | 2T | TIALN |

ST660-2AEL (TiAlN)

產品系列: CO-10%, WC-90%, TUNGSTEN CARBIDE 0.0006mm

超細微粒碳化鎢 長柄型 2刃球型立銑刀

Micro Grain Carbide, Long Shank, 2 Flute, Ball End Mills

1. 適用對象: 各類模具, 汽機車零件, 航太零件, 高爾夫球頭及其它各種產業零件

2. 適用材料: 碳素鋼, 模具鋼, 合金鋼, 工具鋼, 不銹鋼, 鈦合金, 鑄鐵

■ 螺旋角度: 35度 Helix angle: 35°



SPECIFICATION

單位 Unit : mm

| 訂購編號 Order No. | R徑 Flute Radius | 刃長 Flute Length | 全長 Overall Length | 柄徑 Shank Diameter | 刃數 Flute Number | 被覆層(鋁鈦) Coating |
|-------------------------|-----------------------|-----------------------|-------------------------|-------------------------|-----------------------|--------------------|
| > ST660-2AEL-R0100-L075 | R1.0 | H4.0 | L75 | d6.0 | 2T | TiAlN |
| > ST660-2AEL-R0125-L075 | R1.25 | H5.0 | L75 | d6.0 | 2T | TiAlN |
| > ST660-2AEL-R0150-L075 | R1.5 | H6.0 | L75 | d6.0 | 2T | TiAlN |
| > ST660-2AEL-R0200-L075 | R2.0 | H8.0 | L75 | d6.0 | 2T | TiAlN |
| > ST660-2AEL-R0250-L075 | R2.5 | H10.0 | L75 | d6.0 | 2T | TiAlN |
| > ST660-2AEL-R0275-L075 | R2.75 | H11.0 | L75 | d6.0 | 2T | TiAlN |
| > ST660-2AEL-R0300-L075 | R3.0 | H12.0 | L75 | d6.0 | 2T | TiAlN |
| > ST660-2AEL-R0300-L100 | R3.0 | H12.0 | L100 | d6.0 | 2T | TiAlN |
| > ST660-2AEL-R0300-L150 | R3.0 | H12.0 | L150 | d6.0 | 2T | TiAlN |
| > ST660-2AEL-R0400-L100 | R4.0 | H16.0 | L100 | d8.0 | 2T | TiAlN |
| > ST660-2AEL-R0400-L150 | R4.0 | H16.0 | L150 | d8.0 | 2T | TiAlN |
| > ST660-2AEL-R0450-L100 | R4.5 | H18.0 | L100 | d10.0 | 2T | TiAlN |
| > ST660-2AEL-R0500-L100 | R5.0 | H20.0 | L100 | d10.0 | 2T | TiAlN |
| > ST660-2AEL-R0500-L150 | R5.0 | H20.0 | L150 | d10.0 | 2T | TiAlN |
| > ST660-2AEL-R0600-L100 | R6.0 | H20.0 | L100 | d12.0 | 2T | TiAlN |
| > ST660-2AEL-R0600-L150 | R6.0 | H20.0 | L150 | d12.0 | 2T | TiAlN |
| > ST660-2AEL-R0700-L100 | R7.0 | H24.0 | L100 | d14.0 | 2T | TiAlN |
| > ST660-2AEL-R0800-L150 | R8.0 | H24.0 | L150 | d16.0 | 2T | TiAlN |
| > ST660-2AEL-R0800-L200 | R8.0 | H24.0 | L200 | d16.0 | 2T | TiAlN |
| > ST660-2AEL-R1000-L200 | R10.0 | H30.0 | L200 | d20.0 | 2T | TiAlN |
| > ST660-2AEL-R1250-L200 | R12.5 | H35.0 | L200 | d25.0 | 2T | TiAlN |

ST660-2AES

產品系列: CO-10%,WC-90%,TUNGSTEN CARBIDE0.0006mm
超細微粒碳化鎢 微小徑 2刃球型立銑刀

Micro Grain Carbide, Micro Diameter, 2 Flute, Ball End Mills

1. 適用對象: 精密模具, 電子零件, 鐘錶零件, 印刷電路板, 其它精密零件
2. 適用材料: 碳素鋼, 模具鋼, 合金鋼, 工具鋼, 不銹鋼, 鈦合金

■ 螺旋角度:35度 Helix angle:35°



SPECIFICATION

單位 Unit : mm

| 訂購編號 Order No. | R徑 Flute Radius | 刃長 Flute Length | 全長 Overall Length | 柄徑 Shank Diameter | 刃數 Flute Number |
|--------------------|-----------------------|-----------------------|-------------------------|-------------------------|-----------------------|
| > ST660-2AES-R0.25 | R0.25 | H0.8 | L38 | d3.0 | 2T |
| > ST660-2AES-R0.30 | R0.30 | H0.9 | L38 | d3.0 | 2T |
| > ST660-2AES-R0.35 | R0.35 | H1.0 | L38 | d3.0 | 2T |
| > ST660-2AES-R0.40 | R0.40 | H1.2 | L38 | d3.0 | 2T |
| > ST660-2AES-R0.45 | R0.45 | H1.3 | L38 | d3.0 | 2T |

ST660-2AESL (TiAlN)

產品系列: CO-10%,WC-90%,TUNGSTEN CARBIDE0.0006mm
超細微粒碳化鎢 微小徑 長柄型 2刃球型立銑刀

Micro Grain Carbide, Micro Diameter, Long Shank, 2 Flute, Ball End Mills

1. 適用對象: 精密模具, 電子零件, 鐘錶零件, 印刷電路板, 其它精密零件
2. 適用材料: 碳素鋼, 模具鋼, 合金鋼, 工具鋼, 不銹鋼, 鈦合金

■ 螺旋角度:35度 Helix angle:35°



SPECIFICATION

單位 Unit : mm

| 訂購編號 Order No. | R徑 Flute Radius | 刃長 Flute Length | 全長 Overall Length | 柄徑 Shank Diameter | 刃數 Flute Number | 被覆層(鋁鈦) Coating |
|---------------------|-----------------------|-----------------------|-------------------------|-------------------------|-----------------------|--------------------|
| > ST660-2AESL-R0.10 | R0.10 | H0.4 | L50 | d3.0 | 2T | TiAlN |
| > ST660-2AESL-R0.15 | R0.15 | H0.6 | L50 | d3.0 | 2T | TiAlN |
| > ST660-2AESL-R0.20 | R0.20 | H0.8 | L50 | d3.0 | 2T | TiAlN |
| > ST660-2AESL-R0.25 | R0.25 | H1.0 | L50 | d3.0 | 2T | TiAlN |
| > ST660-2AESL-R0.30 | R0.30 | H1.2 | L50 | d3.0 | 2T | TiAlN |
| > ST660-2AESL-R0.35 | R0.35 | H1.4 | L50 | d3.0 | 2T | TiAlN |
| > ST660-2AESL-R0.40 | R0.40 | H1.6 | L50 | d3.0 | 2T | TiAlN |
| > ST660-2AESL-R0.45 | R0.45 | H1.8 | L50 | d3.0 | 2T | TiAlN |

ST660-2BNS

產品系列: CO-10%,WC-90%,TUNGSTEN CARBIDE0.0006mm

超細微粒碳化鎢 微小徑 2刃立銑刀

Micro Grain Carbide, Micro Diameter, 2 Flute, End Mills

1. 適用對象: 精密模具, 電子零件, 鐘錶零件, 印刷電路板, 其它精密零件
2. 適用材料: 碳素鋼, 模具鋼, 合金鋼, 工具鋼, 不銹鋼, 鈦合金

■ 螺旋角度:35度 Helix angle:35°



SPECIFICATION

單位 Unit : mm

| 訂購編號 Order No. | 刃徑 Flute Diameter | 刃長 Flute Length | 全長 Overall Length | 柄徑 Shank Diameter | 刃數 Flute Number |
|-------------------|-------------------------|-----------------------|-------------------------|-------------------------|-----------------------|
| > ST660-2BNS-D0.3 | D0.3 | H1.0 | L38 | d3.0 | 2T |
| > ST660-2BNS-D0.4 | D0.4 | H1.0 | L38 | d3.0 | 2T |
| > ST660-2BNS-D0.5 | D0.5 | H1.5 | L38 | d3.0 | 2T |
| > ST660-2BNS-D0.6 | D0.6 | H1.5 | L38 | d3.0 | 2T |
| > ST660-2BNS-D0.7 | D0.7 | H2.0 | L38 | d3.0 | 2T |
| > ST660-2BNS-D0.8 | D0.8 | H2.0 | L38 | d3.0 | 2T |
| > ST660-2BNS-D0.9 | D0.9 | H2.5 | L38 | d3.0 | 2T |

ST660-2BNSL (TiAlN)

產品系列: CO-10%,WC-90%,TUNGSTEN CARBIDE0.0006mm

超細微粒碳化鎢 微小徑 長柄型 2刃立銑刀

Micro Grain Carbide, Micro Diameter, Long Shank, 2 Flute, End Mills

1. 適用對象: 精密模具, 電子零件, 鐘錶零件, 印刷電路板, 其它精密零件
2. 適用材料: 碳素鋼, 模具鋼, 合金鋼, 工具鋼, 不銹鋼, 鈦合金

■ 螺旋角度:35度 Helix angle:35°



SPECIFICATION

單位 Unit : mm

| 訂購編號 Order No. | 刃徑 Flute Diameter | 刃長 Flute Length | 全長 Overall Length | 柄徑 Shank Diameter | 刃數 Flute Number | 被覆層(鋁鈦) Coating |
|--------------------|-------------------------|-----------------------|-------------------------|-------------------------|-----------------------|--------------------|
| > ST660-2BNSL-D0.1 | D0.1 | H0.2 | L50 | d3.0 | 2T | TiAlN |
| > ST660-2BNSL-D0.2 | D0.2 | H0.4 | L50 | d3.0 | 2T | TiAlN |
| > ST660-2BNSL-D0.3 | D0.3 | H0.6 | L50 | d3.0 | 2T | TiAlN |
| > ST660-2BNSL-D0.4 | D0.4 | H0.8 | L50 | d3.0 | 2T | TiAlN |
| > ST660-2BNSL-D0.5 | D0.5 | H1.0 | L50 | d3.0 | 2T | TiAlN |
| > ST660-2BNSL-D0.6 | D0.6 | H1.2 | L50 | d3.0 | 2T | TiAlN |
| > ST660-2BNSL-D0.7 | D0.7 | H1.4 | L50 | d3.0 | 2T | TiAlN |
| > ST660-2BNSL-D0.8 | D0.8 | H1.6 | L50 | d3.0 | 2T | TiAlN |
| > ST660-2BNSL-D0.9 | D0.9 | H1.8 | L50 | d3.0 | 2T | TiAlN |

ST660-2BNSL (TiAlN)

產品系列: CO-10%,WC-90%,TUNGSTEN CARBIDE0.0006mm

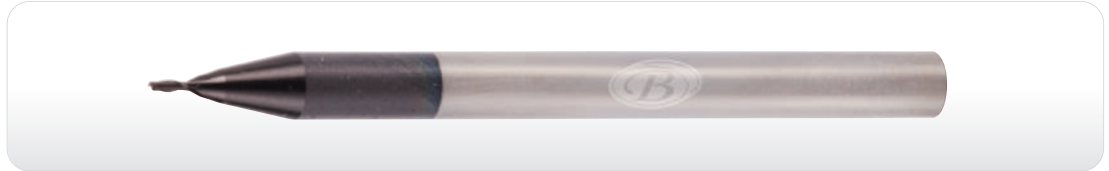
超細微粒碳化鎢 微小徑 長柄型 2刃立銑刀

Micro Grain Carbide, Micro Diameter, Long Shank, 2 Flute, End Mills

1. 適用對象: 精密模具, 電子零件, 鐘錶零件, 印刷電路板, 其它精密零件

2. 適用材料: 碳素鋼, 模具鋼, 合金鋼, 工具鋼, 不銹鋼, 鈦合金

■ 螺旋角度: 35度 Helix angle: 35°



SPECIFICATION

單位 Unit : mm

| 訂購編號 Order No. | 刃徑 Flute Diameter | 刃長 Flute Length | 全長 Overall Length | 柄徑 Shank Diameter | 刃數 Flute Number | 被覆層(鋁鈦) Coating |
|--------------------|-------------------------|-----------------------|-------------------------|-------------------------|-----------------------|--------------------|
| > ST660-2BNSL-D1.1 | D1.1 | H3.3 | L50 | d4.0 | 2T | TiAlN |
| > ST660-2BNSL-D1.2 | D1.2 | H3.6 | L50 | d4.0 | 2T | TiAlN |
| > ST660-2BNSL-D1.3 | D1.3 | H3.9 | L50 | d4.0 | 2T | TiAlN |
| > ST660-2BNSL-D1.4 | D1.4 | H4.2 | L50 | d4.0 | 2T | TiAlN |
| > ST660-2BNSL-D1.6 | D1.6 | H6.0 | L50 | d4.0 | 2T | TiAlN |
| > ST660-2BNSL-D1.7 | D1.7 | H6.0 | L50 | d4.0 | 2T | TiAlN |
| > ST660-2BNSL-D1.8 | D1.8 | H6.0 | L50 | d4.0 | 2T | TiAlN |
| > ST660-2BNSL-D1.9 | D1.9 | H6.0 | L50 | d4.0 | 2T | TiAlN |
| > ST660-2BNSL-D2.1 | D2.1 | H7.0 | L50 | d4.0 | 2T | TiAlN |
| > ST660-2BNSL-D2.2 | D2.2 | H7.0 | L50 | d4.0 | 2T | TiAlN |
| > ST660-2BNSL-D2.3 | D2.3 | H7.0 | L50 | d4.0 | 2T | TiAlN |
| > ST660-2BNSL-D2.4 | D2.4 | H7.0 | L50 | d4.0 | 2T | TiAlN |
| > ST660-2BNSL-D2.6 | D2.6 | H8.0 | L50 | d4.0 | 2T | TiAlN |
| > ST660-2BNSL-D2.7 | D2.7 | H8.0 | L50 | d4.0 | 2T | TiAlN |
| > ST660-2BNSL-D2.8 | D2.8 | H8.0 | L50 | d4.0 | 2T | TiAlN |
| > ST660-2BNSL-D2.9 | D2.9 | H8.0 | L50 | d4.0 | 2T | TiAlN |
| > ST660-2BNSL-D3.1 | D3.1 | H8.0 | L50 | d4.0 | 2T | TiAlN |
| > ST660-2BNSL-D3.2 | D3.2 | H8.0 | L50 | d4.0 | 2T | TiAlN |
| > ST660-2BNSL-D3.3 | D3.3 | H8.0 | L50 | d4.0 | 2T | TiAlN |
| > ST660-2BNSL-D3.4 | D3.4 | H9.0 | L50 | d4.0 | 2T | TiAlN |
| > ST660-2BNSL-D3.6 | D3.6 | H10.0 | L50 | d4.0 | 2T | TiAlN |
| > ST660-2BNSL-D3.7 | D3.7 | H10.0 | L50 | d4.0 | 2T | TiAlN |
| > ST660-2BNSL-D3.8 | D3.8 | H10.0 | L50 | d4.0 | 2T | TiAlN |
| > ST660-2BNSL-D3.9 | D3.9 | H10.0 | L50 | d4.0 | 2T | TiAlN |
| > ST660-2BNSL-D4.1 | D4.1 | H11.0 | L50 | d6.0 | 2T | TiAlN |
| > ST660-2BNSL-D4.2 | D4.2 | H11.0 | L50 | d6.0 | 2T | TiAlN |
| > ST660-2BNSL-D4.3 | D4.3 | H11.0 | L50 | d6.0 | 2T | TiAlN |
| > ST660-2BNSL-D4.4 | D4.4 | H11.0 | L50 | d6.0 | 2T | TiAlN |
| > ST660-2BNSL-D4.6 | D4.6 | H12.0 | L50 | d6.0 | 2T | TiAlN |
| > ST660-2BNSL-D4.7 | D4.7 | H12.0 | L50 | d6.0 | 2T | TiAlN |
| > ST660-2BNSL-D4.8 | D4.8 | H12.0 | L50 | d6.0 | 2T | TiAlN |
| > ST660-2BNSL-D4.9 | D4.9 | H13.0 | L50 | d6.0 | 2T | TiAlN |

ST660-2BNSL (TIALN)

產品系列: CO-10%,WC-90%,TUNGSTEN CARBIDE0.0006mm

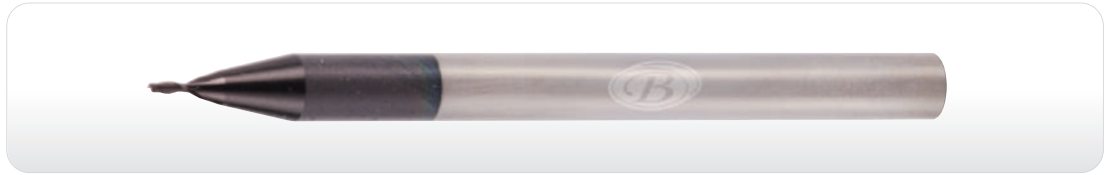
超細微粒碳化鎢 微小徑 長柄型 2刃立銑刀

Micro Grain Carbide, Micro Diameter, Long Shank, 2 Flute, End Mills

1. 適用對象: 精密模具, 電子零件, 鐘錶零件, 印刷電路板, 其它精密零件

2. 適用材料: 碳素鋼, 模具鋼, 合金鋼, 工具鋼, 不銹鋼, 鈦合金

■ 螺旋角度:35度 Helix angle:35°



SPECIFICATION

單位 Unit : mm

| 訂購編號 Order No. | 刃徑 Flute Diameter | 刃長 Flute Length | 全長 Overall Length | 柄徑 Shank Diameter | 刃數 Flute Number | 被覆層(鋁鈦) Coating |
|--------------------|-------------------------|-----------------------|-------------------------|-------------------------|-----------------------|--------------------|
| > ST660-2BNSL-D5.1 | D5.1 | H13.0 | L50 | d6.0 | 2T | TIALN |
| > ST660-2BNSL-D5.2 | D5.2 | H13.0 | L50 | d6.0 | 2T | TIALN |
| > ST660-2BNSL-D5.3 | D5.3 | H14.0 | L50 | d6.0 | 2T | TIALN |
| > ST660-2BNSL-D5.4 | D5.4 | H14.0 | L50 | d6.0 | 2T | TIALN |
| > ST660-2BNSL-D5.6 | D5.6 | H14.0 | L50 | d6.0 | 2T | TIALN |
| > ST660-2BNSL-D5.7 | D5.7 | H15.0 | L50 | d6.0 | 2T | TIALN |
| > ST660-2BNSL-D5.8 | D5.8 | H15.0 | L50 | d6.0 | 2T | TIALN |
| > ST660-2BNSL-D5.9 | D5.9 | H15.0 | L50 | d6.0 | 2T | TIALN |
| > ST660-2BNSL-D6.1 | D6.1 | H16.0 | L60 | d8.0 | 2T | TIALN |
| > ST660-2BNSL-D6.2 | D6.2 | H16.0 | L60 | d8.0 | 2T | TIALN |
| > ST660-2BNSL-D6.3 | D6.3 | H16.0 | L60 | d8.0 | 2T | TIALN |
| > ST660-2BNSL-D6.4 | D6.4 | H16.0 | L60 | d8.0 | 2T | TIALN |
| > ST660-2BNSL-D6.6 | D6.6 | H17.0 | L60 | d8.0 | 2T | TIALN |
| > ST660-2BNSL-D6.7 | D6.7 | H17.0 | L60 | d8.0 | 2T | TIALN |
| > ST660-2BNSL-D6.8 | D6.8 | H17.0 | L60 | d8.0 | 2T | TIALN |
| > ST660-2BNSL-D6.9 | D6.9 | H17.0 | L60 | d8.0 | 2T | TIALN |
| > ST660-2BNSL-D7.1 | D7.1 | H18.0 | L60 | d8.0 | 2T | TIALN |
| > ST660-2BNSL-D7.2 | D7.2 | H18.0 | L60 | d8.0 | 2T | TIALN |
| > ST660-2BNSL-D7.3 | D7.3 | H18.0 | L60 | d8.0 | 2T | TIALN |
| > ST660-2BNSL-D7.4 | D7.4 | H18.0 | L60 | d8.0 | 2T | TIALN |
| > ST660-2BNSL-D7.6 | D7.6 | H20.0 | L60 | d8.0 | 2T | TIALN |
| > ST660-2BNSL-D7.7 | D7.7 | H20.0 | L60 | d8.0 | 2T | TIALN |
| > ST660-2BNSL-D7.8 | D7.8 | H20.0 | L60 | d8.0 | 2T | TIALN |
| > ST660-2BNSL-D7.9 | D7.9 | H20.0 | L60 | d8.0 | 2T | TIALN |
| > ST660-2BNSL-D8.1 | D8.1 | H20.0 | L75 | d10.0 | 2T | TIALN |
| > ST660-2BNSL-D8.2 | D8.2 | H20.0 | L75 | d10.0 | 2T | TIALN |
| > ST660-2BNSL-D8.3 | D8.3 | H20.0 | L75 | d10.0 | 2T | TIALN |
| > ST660-2BNSL-D8.4 | D8.4 | H20.0 | L75 | d10.0 | 2T | TIALN |
| > ST660-2BNSL-D8.6 | D8.6 | H20.0 | L75 | d10.0 | 2T | TIALN |
| > ST660-2BNSL-D8.7 | D8.7 | H20.0 | L75 | d10.0 | 2T | TIALN |
| > ST660-2BNSL-D8.8 | D8.8 | H20.0 | L75 | d10.0 | 2T | TIALN |
| > ST660-2BNSL-D8.9 | D8.9 | H20.0 | L75 | d10.0 | 2T | TIALN |

ST660-2AESM (TIALN)

產品系列: CO-10%, WC-90%, TUNGSTEN CARBIDE 0.0006mm

超細微粒碳化鎢 長頸短刃 2刃球型立銑刀

Micro Grain Carbide, Long Neck, Short Flute, 2 Flute, Ball End Mills

- 適用對象: 各類模具及其它特殊尺寸之零件
 - 適用材料: 碳素鋼, 模具鋼, 合金鋼, 工具鋼, 不銹鋼, 鈦合金, 鑄鐵
- 螺旋角度: 35度 Helix angle: 35°



SPECIFICATION

單位 Unit : mm

| 訂購編號 Order No. | R徑 Flute Radius | 刃長 Flute Length | 有效長 Effective Length | 全長 Overall Length | 柄徑 Shank Diameter | 刃數 Flute Number | 被覆層(鋁鈦) Coating |
|--------------------------|-----------------------|-----------------------|----------------------------|-------------------------|-------------------------|-----------------------|--------------------|
| > ST660-2AESM-R0.40-M060 | R0.4 | H1.2 | M6.0 | L50 | d4.0 | 2T | TIALN |
| > ST660-2AESM-R0.40-M080 | R0.4 | H1.2 | M8.0 | L50 | d4.0 | 2T | TIALN |
| > ST660-2AESM-R0.50-M060 | R0.5 | H1.5 | M6.0 | L50 | d4.0 | 2T | TIALN |
| > ST660-2AESM-R0.50-M080 | R0.5 | H1.5 | M8.0 | L50 | d4.0 | 2T | TIALN |
| > ST660-2AESM-R0.50-M100 | R0.5 | H1.5 | M10.0 | L50 | d4.0 | 2T | TIALN |
| > ST660-2AESM-R0.50-M120 | R0.5 | H1.5 | M12.0 | L50 | d4.0 | 2T | TIALN |
| > ST660-2AESM-R0.60-M080 | R0.6 | H1.8 | M8.0 | L50 | d4.0 | 2T | TIALN |
| > ST660-2AESM-R0.60-M120 | R0.6 | H1.8 | M12.0 | L50 | d4.0 | 2T | TIALN |
| > ST660-2AESM-R0.75-M080 | R0.75 | H2.3 | M8.0 | L50 | d4.0 | 2T | TIALN |
| > ST660-2AESM-R0.75-M100 | R0.75 | H2.3 | M10.0 | L50 | d4.0 | 2T | TIALN |
| > ST660-2AESM-R0.75-M120 | R0.75 | H2.3 | M12.0 | L50 | d4.0 | 2T | TIALN |
| > ST660-2AESM-R0.75-M160 | R0.75 | H2.3 | M16.0 | L50 | d4.0 | 2T | TIALN |
| > ST660-2AESM-R0.75-M200 | R0.75 | H2.3 | M20.0 | L50 | d4.0 | 2T | TIALN |
| > ST660-2AESM-R0.80-M060 | R0.8 | H2.4 | M6.0 | L50 | d4.0 | 2T | TIALN |
| > ST660-2AESM-R0.80-M120 | R0.8 | H2.4 | M12.0 | L50 | d4.0 | 2T | TIALN |
| > ST660-2AESM-R0.80-M160 | R0.8 | H2.4 | M16.0 | L50 | d4.0 | 2T | TIALN |
| > ST660-2AESM-R0.80-M200 | R0.8 | H2.4 | M20.0 | L50 | d4.0 | 2T | TIALN |
| > ST660-2AESM-R0.90-M080 | R0.9 | H2.7 | M8.0 | L50 | d4.0 | 2T | TIALN |
| > ST660-2AESM-R0.90-M140 | R0.9 | H2.7 | M14.0 | L50 | d4.0 | 2T | TIALN |
| > ST660-2AESM-R0.90-M200 | R0.9 | H2.7 | M20.0 | L50 | d4.0 | 2T | TIALN |
| > ST660-2AESM-R1.00-M080 | R1.0 | H3.0 | M8.0 | L50 | d4.0 | 2T | TIALN |
| > ST660-2AESM-R1.00-M100 | R1.0 | H3.0 | M10.0 | L50 | d4.0 | 2T | TIALN |
| > ST660-2AESM-R1.00-M120 | R1.0 | H3.0 | M12.0 | L50 | d4.0 | 2T | TIALN |
| > ST660-2AESM-R1.00-M180 | R1.0 | H3.0 | M18.0 | L50 | d4.0 | 2T | TIALN |
| > ST660-2AESM-R1.25-M160 | R1.25 | H4.0 | M16.0 | L50 | d4.0 | 2T | TIALN |
| > ST660-2AESM-R1.25-M200 | R1.25 | H4.0 | M20.0 | L50 | d4.0 | 2T | TIALN |
| > ST660-2AESM-R1.50-M100 | R1.5 | H4.5 | M10.0 | L50 | d6.0 | 2T | TIALN |
| > ST660-2AESM-R1.50-M120 | R1.5 | H4.5 | M12.0 | L50 | d6.0 | 2T | TIALN |
| > ST660-2AESM-R1.50-M250 | R1.5 | H4.5 | M25.0 | L75 | d6.0 | 2T | TIALN |
| > ST660-2AESM-R2.00-M200 | R2.0 | H6.0 | M20.0 | L75 | d6.0 | 2T | TIALN |
| > ST660-2AESM-R2.00-M300 | R2.0 | H6.0 | M30.0 | L75 | d6.0 | 2T | TIALN |
| > ST660-2AESM-R2.00-M400 | R2.0 | H6.0 | M40.0 | L75 | d6.0 | 2T | TIALN |

ST660-2BNSM (TIALN)

產品系列: CO-10%, WC-90%, TUNGSTEN CARBIDE 0.0006mm

超細微粒碳化鎢 長頸短刃 2刃立銑刀

Micro Grain Carbide, Long Neck, Short Flute, 2 Flute, End Mills

1. 適用對象: 各類模具及其它特殊尺寸之零件
 2. 適用材料: 碳素鋼, 模具鋼, 合金鋼, 工具鋼, 不銹鋼, 鈦合金, 鑄鐵
- 螺旋角度: 35度 Helix angle: 35°



SPECIFICATION

單位 Unit : mm

| 訂購編號 Order No. | 刃徑 Flute Diameter | 刃長 Flute Length | 有效長 Effective Length | 全長 Overall Length | 柄徑 Shank Diameter | 刃數 Flute Number | 被覆層(鋁鈦) Coating |
|-------------------------|-------------------------|-----------------------|----------------------------|-------------------------|-------------------------|-----------------------|--------------------|
| > ST660-2BNSM-D0.5-M060 | D0.5 | H0.7 | M6.0 | L50 | d4.0 | 2T | TIALN |
| > ST660-2BNSM-D0.8-M060 | D0.8 | H1.2 | M6.0 | L50 | d4.0 | 2T | TIALN |
| > ST660-2BNSM-D0.8-M080 | D0.8 | H1.2 | M8.0 | L50 | d4.0 | 2T | TIALN |
| > ST660-2BNSM-D0.9-M080 | D0.9 | H1.4 | M8.0 | L50 | d4.0 | 2T | TIALN |
| > ST660-2BNSM-D0.9-M100 | D0.9 | H1.4 | M10.0 | L50 | d4.0 | 2T | TIALN |
| > ST660-2BNSM-D1.0-M060 | D1.0 | H1.5 | M6.0 | L50 | d4.0 | 2T | TIALN |
| > ST660-2BNSM-D1.0-M080 | D1.0 | H1.5 | M8.0 | L50 | d4.0 | 2T | TIALN |
| > ST660-2BNSM-D1.0-M100 | D1.0 | H1.5 | M10.0 | L50 | d4.0 | 2T | TIALN |
| > ST660-2BNSM-D1.0-M120 | D1.0 | H1.5 | M12.0 | L50 | d4.0 | 2T | TIALN |
| > ST660-2BNSM-D1.2-M080 | D1.2 | H1.8 | M8.0 | L50 | d4.0 | 2T | TIALN |
| > ST660-2BNSM-D1.2-M120 | D1.2 | H1.8 | M12.0 | L50 | d4.0 | 2T | TIALN |
| > ST660-2BNSM-D1.5-M060 | D1.5 | H2.3 | M6.0 | L50 | d4.0 | 2T | TIALN |
| > ST660-2BNSM-D1.5-M080 | D1.5 | H2.3 | M8.0 | L50 | d4.0 | 2T | TIALN |
| > ST660-2BNSM-D1.5-M100 | D1.5 | H2.3 | M10.0 | L50 | d4.0 | 2T | TIALN |
| > ST660-2BNSM-D1.5-M120 | D1.5 | H2.3 | M12.0 | L50 | d4.0 | 2T | TIALN |
| > ST660-2BNSM-D1.5-M140 | D1.5 | H2.3 | M14.0 | L50 | d4.0 | 2T | TIALN |
| > ST660-2BNSM-D1.5-M160 | D1.5 | H2.3 | M16.0 | L50 | d4.0 | 2T | TIALN |
| > ST660-2BNSM-D1.5-M180 | D1.5 | H2.3 | M18.0 | L50 | d4.0 | 2T | TIALN |
| > ST660-2BNSM-D1.5-M200 | D1.5 | H2.3 | M20.0 | L50 | d4.0 | 2T | TIALN |
| > ST660-2BNSM-D1.6-M080 | D1.6 | H2.4 | M8.0 | L50 | d4.0 | 2T | TIALN |
| > ST660-2BNSM-D1.6-M160 | D1.6 | H2.4 | M16.0 | L50 | d4.0 | 2T | TIALN |
| > ST660-2BNSM-D1.8-M080 | D1.8 | H2.7 | M8.0 | L50 | d4.0 | 2T | TIALN |
| > ST660-2BNSM-D1.8-M200 | D1.8 | H2.7 | M20.0 | L50 | d4.0 | 2T | TIALN |
| > ST660-2BNSM-D2.0-M100 | D2.0 | H3.0 | M10.0 | L50 | d4.0 | 2T | TIALN |
| > ST660-2BNSM-D2.0-M160 | D2.0 | H3.0 | M16.0 | L50 | d4.0 | 2T | TIALN |
| > ST660-2BNSM-D2.0-M200 | D2.0 | H3.0 | M20.0 | L50 | d4.0 | 2T | TIALN |
| > ST660-2BNSM-D2.5-M120 | D2.5 | H4.0 | M12.0 | L50 | d4.0 | 2T | TIALN |
| > ST660-2BNSM-D2.5-M200 | D2.5 | H4.0 | M20.0 | L50 | d4.0 | 2T | TIALN |
| > ST660-2BNSM-D3.0-M160 | D3.0 | H4.5 | M16.0 | L60 | d6.0 | 2T | TIALN |
| > ST660-2BNSM-D3.0-M200 | D3.0 | H4.5 | M20.0 | L60 | d6.0 | 2T | TIALN |
| > ST660-2BNSM-D3.0-M250 | D3.0 | H4.5 | M25.0 | L75 | d6.0 | 2T | TIALN |
| > ST660-2BNSM-D3.5-M120 | D3.5 | H6.0 | M12.0 | L50 | d6.0 | 2T | TIALN |
| > ST660-2BNSM-D3.5-M200 | D3.5 | H6.0 | M20.0 | L75 | d6.0 | 2T | TIALN |
| > ST660-2BNSM-D3.5-M300 | D3.5 | H6.0 | M30.0 | L75 | d6.0 | 2T | TIALN |
| > ST660-2BNSM-D4.0-M120 | D4.0 | H6.0 | M12.0 | L50 | d6.0 | 2T | TIALN |
| > ST660-2BNSM-D4.0-M200 | D4.0 | H6.0 | M20.0 | L75 | d6.0 | 2T | TIALN |
| > ST660-2BNSM-D4.0-M250 | D4.0 | H6.0 | M25.0 | L75 | d6.0 | 2T | TIALN |
| > ST660-2BNSM-D4.0-M300 | D4.0 | H6.0 | M30.0 | L75 | d6.0 | 2T | TIALN |
| > ST660-2BNSM-D4.0-M400 | D4.0 | H6.0 | M40.0 | L75 | d6.0 | 2T | TIALN |

ST660-2BNAL

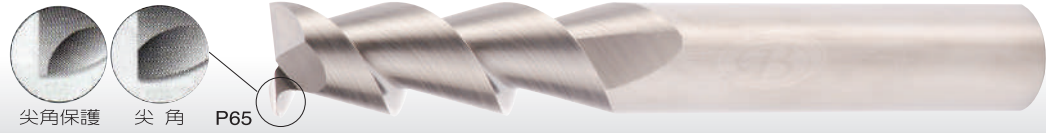
產品系列: CO-10%,WC-90%,TUNGSTEN CARBIDE0.0006mm

超細微粒碳化鎢 鋁合金專用 2刃立銑刀

Micro Grain Carbide, For Aluminum Alloy Processing, 2 Flute, End Mills

1. 適用對象: 航太零件, 腳踏車零件, 汽機車零件, 電子電腦零件, 放電銅極, 鑄造模具..等
2. 適用材料: 鋁合金, 銅合金, 鎂合金

■ 螺旋角度:55度 Helix angle:55°



SPECIFICATION

單位 Unit : mm

| 訂購編號 Order No. | 刃徑 Flute Diameter | 刃長 Flute Length | 全長 Overall Length | 柄徑 Shank Diameter | 刃數 Flute Number |
|------------------------|-------------------------|-----------------------|-------------------------|-------------------------|-----------------------|
| > ST660-2BNAL-D02-L050 | D2.0 | H7.0 | L50 | d4/d6 | 2T |
| > ST660-2BNAL-D03-L050 | D3.0 | H9.0 | L50 | d4/d6 | 2T |
| > ST660-2BNAL-D04-L050 | D4.0 | H12.0 | L50 | d4/d6 | 2T |
| > ST660-2BNAL-D05-L050 | D5.0 | H15.0 | L50 | d6.0 | 2T |
| > ST660-2BNAL-D06-L060 | D6.0 | H18.0 | L60 | d6.0 | 2T |
| > ST660-2BNAL-D08-L060 | D8.0 | H20.0 | L60 | d8.0 | 2T |
| > ST660-2BNAL-D10-L075 | D10.0 | H30.0 | L75 | d10.0 | 2T |
| > ST660-2BNAL-D12-L075 | D12.0 | H32.0 | L75 | d12.0 | 2T |
| > ST660-2BNAL-D16-L100 | D16.0 | H45.0 | L100 | d16.0 | 2T |
| > ST660-2BNAL-D20-L100 | D20.0 | H45.0 | L100 | d20.0 | 2T |

ST660-2BNLAL

產品系列: CO-10%,WC-90%,TUNGSTEN CARBIDE0.0006mm

超細微粒碳化鎢 長刃型 鋁合金專用 2刃立銑刀

Micro Grain Carbide, Long Flute, For Aluminum Alloy Processing, 2 Flute, End Mills

1. 適用對象: 航太零件, 腳踏車零件, 汽機車零件, 電子電腦零件, 放電銅極, 鑄造模具..等
2. 適用材料: 鋁合金, 銅合金, 鎂合金

■ 螺旋角度:55度 Helix angle:55°



SPECIFICATION

單位 Unit : mm

| 訂購編號 Order No. | 刃徑 Flute Diameter | 刃長 Flute Length | 全長 Overall Length | 柄徑 Shank Diameter | 刃數 Flute Number |
|-------------------------|-------------------------|-----------------------|-------------------------|-------------------------|-----------------------|
| > ST660-2BNLAL-D03-L060 | D3.0 | H12.0 | L60 | d6.0 | 2T |
| > ST660-2BNLAL-D04-L060 | D4.0 | H16.0 | L60 | d6.0 | 2T |
| > ST660-2BNLAL-D05-L060 | D5.0 | H20.0 | L60 | d6.0 | 2T |
| > ST660-2BNLAL-D06-L075 | D6.0 | H25.0 | L75 | d6.0 | 2T |
| > ST660-2BNLAL-D08-L075 | D8.0 | H32.0 | L75 | d8.0 | 2T |
| > ST660-2BNLAL-D10-L100 | D10.0 | H45.0 | L100 | d10.0 | 2T |
| > ST660-2BNLAL-D12-L100 | D12.0 | H45.0 | L100 | d12.0 | 2T |
| > ST660-2BNLAL-D16-L150 | D16.0 | H65.0 | L150 | d16.0 | 2T |
| > ST660-2BNLAL-D20-L150 | D20.0 | H75.0 | L150 | d20.0 | 2T |

ST660-3BNAL

產品系列: CO-10%,WC-90%,TUNGSTEN CARBIDE0.0006mm

超細微粒碳化鎢 鋁合金專用 3刃立銑刀

Micro Grain Carbide, For Aluminum Alloy Processing, 3 Flute, End Mills

1. 適用對象: 航太零件, 腳踏車零件, 汽機車零件, 電子電腦零件, 鑄造模具
2. 適用材料: 鋁合金, 銅合金, 鎂合金

■ 螺旋角度: 45度/55度 Helix angle: 45° / 55°



SPECIFICATION

單位 Unit : mm

| 訂購編號 Order No. | 刃徑 Flute Diameter | 刃長 Flute Length | 全長 Overall Length | 柄徑 Shank Diameter | 刃數 Flute Number |
|------------------------|-------------------------|-----------------------|-------------------------|-------------------------|-----------------------|
| > ST660-3BNAL-D03-L050 | D3.0 | H8.0 | L50 | d6.0 | 3T |
| > ST660-3BNAL-D04-L050 | D4.0 | H10.0 | L50 | d6.0 | 3T |
| > ST660-3BNAL-D05-L050 | D5.0 | H13.0 | L50 | d6.0 | 3T |
| > ST660-3BNAL-D06-L050 | D6.0 | H15.0 | L50 | d6.0 | 3T |
| > ST660-3BNAL-D08-L060 | D8.0 | H20.0 | L60 | d8.0 | 3T |
| > ST660-3BNAL-D10-L075 | D10.0 | H25.0 | L75 | d10.0 | 3T |
| > ST660-3BNAL-D12-L075 | D12.0 | H30.0 | L75 | d12.0 | 3T |
| > ST660-3BNAL-D16-L100 | D16.0 | H45.0 | L100 | d16.0 | 3T |
| > ST660-3BNAL-D20-L100 | D20.0 | H45.0 | L100 | d20.0 | 3T |

ST660-3BNLAL

產品系列: CO-10%,WC-90%,TUNGSTEN CARBIDE0.0006mm

超細微粒碳化鎢 長刃型 鋁合金專用 3刃立銑刀

Micro Grain Carbide, Long Flute, For Aluminum Alloy Processing, 3 Flute, End Mills

1. 適用對象: 航太零件, 腳踏車零件, 汽機車零件, 電子電腦零件, 鑄造模具
2. 適用材料: 鋁合金, 銅合金, 鎂合金

■ 螺旋角度: 45度/55度 Helix angle: 45° / 55°



SPECIFICATION

單位 Unit : mm

| 訂購編號 Order No. | 刃徑 Flute Diameter | 刃長 Flute Length | 全長 Overall Length | 柄徑 Shank Diameter | 刃數 Flute Number |
|-------------------------|-------------------------|-----------------------|-------------------------|-------------------------|-----------------------|
| > ST660-3BNLAL-D03-L060 | D3.0 | H12.0 | L60 | d6.0 | 3T |
| > ST660-3BNLAL-D04-L060 | D4.0 | H16.0 | L60 | d6.0 | 3T |
| > ST660-3BNLAL-D05-L060 | D5.0 | H20.0 | L60 | d6.0 | 3T |
| > ST660-3BNLAL-D06-L075 | D6.0 | H25.0 | L75 | d6.0 | 3T |
| > ST660-3BNLAL-D08-L075 | D8.0 | H32.0 | L75 | d8.0 | 3T |
| > ST660-3BNLAL-D10-L100 | D10.0 | H45.0 | L100 | d10.0 | 3T |
| > ST660-3BNLAL-D12-L100 | D12.0 | H45.0 | L100 | d12.0 | 3T |
| > ST660-3BNLAL-D16-L150 | D16.0 | H65.0 | L150 | d16.0 | 3T |
| > ST660-3BNLAL-D20-L150 | D20.0 | H75.0 | L150 | d20.0 | 3T |

ST660-2AEAL

產品系列: CO-10%,WC-90%,TUNGSTEN CARBIDE0.0006mm

超細微粒碳化鎢 鋁合金專用 2刃球型立銑刀

Micro Grain Carbide, For Aluminum Alloy Processing, 2 Flute, Ball End Mills

1. 適用對象: 航太零件, 腳踏車零件, 汽機車零件, 電子電腦零件, 放電銅極, 鑄造模具..等
2. 適用材料: 鋁合金, 銅合金, 鎂合金, 各種軟質材料

■ 螺旋角度: 35度 Helix angle: 35°



SPECIFICATION

單位 Unit : mm

| 訂購編號 Order No. | R徑 Flute Radius | 刃長 Flute Length | 全長 Overall Length | 柄徑 Shank Diameter | 刃數 Flute Number |
|--------------------------|-----------------------|-----------------------|-------------------------|-------------------------|-----------------------|
| > ST660-2AEAL-R0100-L050 | R1.0 | H4.0 | L50 | d4.0 | 2T |
| > ST660-2AEAL-R0200-L050 | R2.0 | H8.0 | L50 | d4.0 | 2T |
| > ST660-2AEAL-R0250-L050 | R2.5 | H10.0 | L50 | d6.0 | 2T |
| > ST660-2AEAL-R0300-L050 | R3.0 | H12.0 | L50 | d6.0 | 2T |
| > ST660-2AEAL-R0400-L060 | R4.0 | H16.0 | L60 | d8.0 | 2T |
| > ST660-2AEAL-R0500-L075 | R5.0 | H20.0 | L75 | d10.0 | 2T |
| > ST660-2AEAL-R0600-L075 | R6.0 | H24.0 | L75 | d12.0 | 2T |

ST660-3BN (TiAlN)

產品系列: CO-10%,WC-90%,TUNGSTEN CARBIDE0.0006mm

超細微粒碳化鎢 3刃立銑刀

Micro Grain Carbide, 3 Flute, End Mills

1. 適用對象: 各類模具, 汽機車零件, 航太零件, 高爾夫球頭, 其它各類零件
2. 適用材料: 碳素鋼, 模具鋼, 合金鋼, 工具鋼, 不銹鋼, 鈦合金, 鑄鐵

■ 螺旋角度: 35度 Helix angle: 35°



SPECIFICATION

單位 Unit : mm

| 訂購編號 Order No. | 刃徑 Flute Diameter | 刃長 Flute Length | 全長 Overall Length | 柄徑 Shank Diameter | 刃數 Flute Number | 被覆層(鋁鈦) Coating |
|-----------------------|-------------------------|-----------------------|-------------------------|-------------------------|-----------------------|--------------------|
| > ST660-3BN-D030-L050 | D3.0 | H7.5 | L50 | d4.0 | 3T | TiAlN |
| > ST660-3BN-D040-L050 | D4.0 | H10.0 | L50 | d4.0 | 3T | TiAlN |
| > ST660-3BN-D050-L050 | D5.0 | H12.5 | L50 | d6.0 | 3T | TiAlN |
| > ST660-3BN-D060-L050 | D6.0 | H15.0 | L50 | d6.0 | 3T | TiAlN |
| > ST660-3BN-D080-L060 | D8.0 | H20.0 | L60 | d8.0 | 3T | TiAlN |
| > ST660-3BN-D080-L075 | D8.0 | H25.0 | L75 | d8.0 | 3T | TiAlN |
| > ST660-3BN-D100-L075 | D10.0 | H30.0 | L75 | d10.0 | 3T | TiAlN |
| > ST660-3BN-D120-L075 | D12.0 | H30.0 | L75 | d12.0 | 3T | TiAlN |
| > ST660-3BN-D140-L075 | D14.0 | H30.0 | L75 | d14.0 | 3T | TiAlN |
| > ST660-3BN-D160-L100 | D16.0 | H45.0 | L100 | d16.0 | 3T | TiAlN |

ST660-3BNQS (TiAlN)

產品系列: CO-10%,WC-90%,TUNGSTEN CARBIDE0.0006mm

超細微粒碳化鎢 3刃粗銑立銑刀

Micro Grain Carbide, 3 Flute, Roughing, End Mills

1. 適用對象: 各類模具, 汽機車零件, 航太零件, 高爾夫球頭及其它各種產業零件
2. 適用材料: 碳素鋼, 模具鋼, 合金鋼, 工具鋼, 不銹鋼, 鈦合金, 鑄鐵

■ 螺旋角度:40度 Helix angle:40°



SPECIFICATION

單位 Unit : mm

| 訂購編號 Order No. | 刃徑 Flute Diameter | 刃長 Flute Length | 全長 Overall Length | 柄徑 Shank Diameter | 刃數 Flute Number | 被覆層(鋁鈦) Coating |
|-------------------------|-------------------------|-----------------------|-------------------------|-------------------------|-----------------------|--------------------|
| > ST660-3BNQS-D060-L060 | D6.0 | H15.0 | L60 | d6.0 | 3T | TiAlN |
| > ST660-3BNQS-D080-L075 | D8.0 | H16.0 | L75 | d8.0 | 3T | TiAlN |
| > ST660-3BNQS-D100-L075 | D10.0 | H20.0 | L75 | d10.0 | 3T | TiAlN |
| > ST660-3BNQS-D120-L075 | D12.0 | H24.0 | L75 | d12.0 | 3T | TiAlN |
| > ST660-3BNQS-D140-L075 | D14.0 | H28.0 | L75 | d14.0 | 3T | TiAlN |
| > ST660-3BNQS-D160-L075 | D16.0 | H28.0 | L75 | d16.0 | 3T | TiAlN |
| > ST660-3BNQS-D180-L100 | D18.0 | H40.0 | L100 | d18.0 | 3T | TiAlN |
| > ST660-3BNQS-D200-L100 | D20.0 | H40.0 | L100 | d20.0 | 3T | TiAlN |

ST660-3BNLQS (TiAlN)

產品系列: CO-10%,WC-90%,TUNGSTEN CARBIDE0.0006mm

超細微粒碳化鎢 長刃型 3刃粗銑立銑刀

Micro Grain Carbide, Long Flute, 3 Flute, Roughing, End Mills

1. 適用對象: 各類模具, 汽機車零件, 航太零件, 高爾夫球頭及其它各種產業零件
2. 適用材料: 碳素鋼, 模具鋼, 合金鋼, 工具鋼, 不銹鋼, 鈦合金, 鑄鐵

■ 螺旋角度:40度 Helix angle:40°



SPECIFICATION

單位 Unit : mm

| 訂購編號 Order No. | 刃徑 Flute Diameter | 刃長 Flute Length | 全長 Overall Length | 柄徑 Shank Diameter | 刃數 Flute Number | 被覆層(鋁鈦) Coating |
|--------------------------|-------------------------|-----------------------|-------------------------|-------------------------|-----------------------|--------------------|
| > ST660-3BNLQS-D060-L075 | D6.0 | H20.0 | L75 | d6.0 | 3T | TiAlN |
| > ST660-3BNLQS-D080-L100 | D8.0 | H24.0 | L100 | d8.0 | 3T | TiAlN |
| > ST660-3BNLQS-D100-L100 | D10.0 | H30.0 | L100 | d10.0 | 3T | TiAlN |
| > ST660-3BNLQS-D120-L100 | D12.0 | H36.0 | L100 | d12.0 | 3T | TiAlN |
| > ST660-3BNLQS-D140-L100 | D14.0 | H40.0 | L100 | d14.0 | 3T | TiAlN |
| > ST660-3BNLQS-D160-L100 | D16.0 | H40.0 | L100 | d16.0 | 3T | TiAlN |
| > ST660-3BNLQS-D180-L150 | D18.0 | H65.0 | L150 | d18.0 | 3T | TiAlN |
| > ST660-3BNLQS-D200-L150 | D20.0 | H65.0 | L150 | d20.0 | 3T | TiAlN |

ST660-4BNHC (TiAlN)

產品系列: CO-10%,WC-90%,TUNGSTEN CARBIDE0.0004mm

超細微粒碳化鎢 重切削圓溝 4刃立銑刀

Micro Grain Carbide, Heavy Cutting, U Flute Shape, 4 Flute, End Mills

1. 適用對象: 各類模具, 汽機車零件, 航太零件, 高爾夫球頭, 其它各類零件

2. 適用材料: 碳素鋼, 模具鋼, 合金鋼, 工具鋼, 不銹鋼, 鈦合金, 鑄鐵

■ 螺旋角度:45度 Helix angle:45°



SPECIFICATION

單位 Unit : mm

| 訂購編號 Order No. | 刃徑 Flute Diameter | 刃長 Flute Length | 全長 Overall Length | 柄徑 Shank Diameter | 刃數 Flute Number | 被覆層(鋁鈦) Coating |
|-------------------------|-------------------------|-----------------------|-------------------------|-------------------------|-----------------------|--------------------|
| > ST660-4BNHC-D040-L050 | D4.0 | H10.0 | L50 | d4.0 | 4T | TiAlN |
| > ST660-4BNHC-D060-L050 | D6.0 | H15.0 | L50 | d6.0 | 4T | TiAlN |
| > ST660-4BNHC-D080-L060 | D8.0 | H20.0 | L60 | d8.0 | 4T | TiAlN |
| > ST660-4BNHC-D100-L075 | D10.0 | H35.0 | L75 | d10.0 | 4T | TiAlN |
| > ST660-4BNHC-D120-L075 | D12.0 | H35.0 | L75 | d12.0 | 4T | TiAlN |
| > ST660-4BNHC-D160-L100 | D16.0 | H45.0 | L100 | d16.0 | 4T | TiAlN |
| > ST660-4BNHC-D200-L100 | D20.0 | H45.0 | L100 | d20.0 | 4T | TiAlN |