

S910 Series

Modular Solid Carbide Endmills





模組化全鎢鋼銑刀

- One tool provides various overhang length.
- The modular solid carbide endmill with non-brazed construction.
- Exchangeable heads minimize carbide consumption, offering superior cost efficiency over solid carbide endmills.
- Suitable for general or deep milling.
- Steel adapter is economical; carbide adapter avoids deflection.
- Provides square, corner radius, ball nose and chamfer types.




- 模組化全鎢鋼銑刀搭配不同的刀桿長度，可應用於不同的深度加工
- 此模組化銑刀為全鎢鋼材質，非焊接
- 可換式刀頭將鎢鋼消耗降至最低，提供優於全鎢鋼銑刀的成本效益
- 適用於泛用加工或深加工
- 合金鋼刀桿是更為經濟的選擇；鎢鋼抗震刀桿可避免刀具偏斜
- 模組化全鎢鋼銑刀提供平刀、圓鼻刀、球刀及倒角刀等規格



Modular Solid Carbide Endmills 模組化全鎢鋼銑刀

| Appearance 外觀 | Name 名稱 | Code No. 編碼 | Helix 螺旋角 | Dia. 外徑 | Working Material | | | | | | Page |
|---|--|----------------|--------------|------------|------------------|---|---|---|---|---|------|
| | | | | | P | M | K | N | S | H | |
|  | Square · 4F 平銑刀 · 4 刃 | EHSWH | 45° | Ø10~Ø20 | ● | ○ | ● | | ○ | ● | 04 |
|  | Square · 8F 平銑刀 · 8 刃 | EHSWH | 45° | Ø10~Ø20 | ● | ○ | ● | | ○ | ● | 04 |
|  | Square · Variable Pitch · 4F 不等分割平銑刀 · 4 刃 | EPSWV | 38° | Ø10~Ø20 | ● | ● | ● | | ● | ○ | 05 |
|  | Square · Variable Pitch · 3F 不等分割平銑刀 · 3 刃 | ENSWV | 40° | Ø10~Ø20 | | | | | ● | | 05 |
|  | Corner Radius · 4F 圓鼻銑刀 · 4 刃 | EHCWH | 30° | Ø10~Ø20 | ● | ○ | ● | | ○ | ● | 06 |
|  | Ball Nose · 2F 球型銑刀 · 2 刃 | EHBWH | 30° | Ø10~Ø20 | ● | ○ | ● | | ○ | ● | 07 |
|  | Ball Nose · 4F 球型銑刀 · 4 刃 | ESBWH | 35° | Ø10~Ø20 | ● | ● | ● | | ● | ○ | 07 |
|  | High Feed · 4F / 6F 高進給銑刀 · 4 刃 / 6 刃 | EHWWA | 38° | Ø10~Ø16 | ● | ● | ● | | ○ | ○ | 08 |
|  | High Feed with Internal Coolant · 4F / 6F 內冷高進給銑刀 · 4 刃 / 6 刃 | EHWWC | 38° | Ø10~Ø16 | ● | ● | ● | | ○ | ○ | 08 |
|  | Chamfer & Spotting · 2F 倒角 & 定位銑刀 · 2 刃 | EPFWA | 0° | Ø10~Ø20 | ● | ● | ● | | ○ | ○ | 09 |
|  | Chamfer · 4F / 6F 倒角銑刀 · 4 刃 / 6 刃 | EPFWA | 0° | Ø10~Ø20 | ● | ● | ● | | ○ | ○ | 09 |
|  | Inner Radius Chamfer · 4F 內 R 倒角銑刀 · 4 刃 | EPIWA | 0° | Ø10~Ø16 | ● | ● | ● | | ○ | | 10 |
|  | Modular Solid Carbide Blanks 模組化全鎢鋼坯料 | EWH | - | Ø10~Ø20 | | | | | | | 11 |

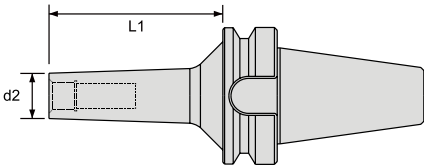
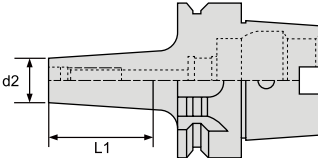
Carbide Adapter - ISO M Threads 鎢鋼抗震刀桿 - ISO M 型牙

| Name 名稱 | Appearance 外觀 | Code No. 編碼 | Shank Dia. 柄徑 | Overall Length 全長 | Page |
|--|---|----------------|------------------|----------------------|------|
| Carbide Adapter Straight 鎢鋼抗震刀桿 (直柄型) |  | SWMEA | Ø8 ~ Ø32 | 75 ~ 400 | 12 |
| Carbide Adapter Straight Neck 鎢鋼抗震刀桿 (直頸型) |  | SWMEB | Ø10 ~ Ø32 | 100 ~ 350 | 14 |
| Carbide Adapter Taper Neck 鎢鋼抗震刀桿 (斜頸型) |  | SWMET | Ø12 ~ Ø32 | 150 ~ 300 | 15 |

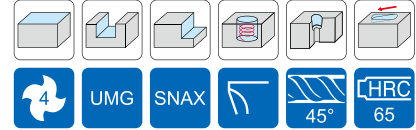
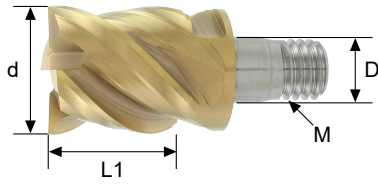
Steel Adapter - ISO M Threads 合金鋼刀桿 - ISO M 型牙

| Name 名稱 | Appearance 外觀 | Code No. 編碼 | Shank Dia. 柄徑 | Overall Length 全長 | Page |
|---|---|----------------|------------------|----------------------|------|
| Steel Adapter Straight Neck 合金鋼刀桿 (直柄型) |  | SWMSB | Ø16 ~ Ø32 | 100 ~ 250 | 16 |

Arbor (screw-on) - ISO M Threads 鎖牙式刀柄 - ISO M 型牙

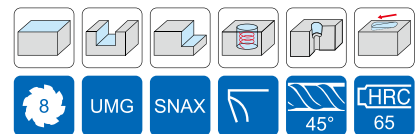
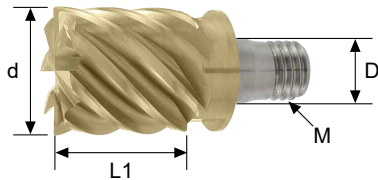
| Name 名稱 | Appearance 外觀 | Code No. 編碼 | d2 | L1 | Page |
|--------------------------------------|---|----------------|-----------|---------|------|
| BT40 Arbor(screw-on) BT40 鎖牙式刀柄 |  | BT40DM | Ø13 ~ Ø21 | 23 ~ 53 | 17 |
| HSK63 Arbor(screw-on) HSK63 鎖牙式刀柄 |  | HSK63AM | Ø17 ~ Ø21 | 16 ~ 44 | 17 |

EHSWH for hardened steel 高硬鋼用



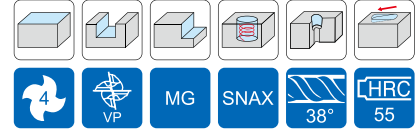
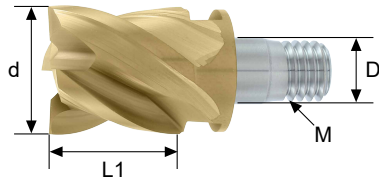
| Order No. | Dia. (d) | CL (L1) | ND (D) | M (M) | Flutes (Z) | Remarks |
|----------------|----------|---------|--------|-------|------------|---------|
| EHSWH41000006S | 10 | 10 | 6.5 | M6 | 4 | |
| EHSWH41200006S | 12 | 12 | 6.5 | M6 | 4 | |
| EHSWH41400008S | 14 | 14 | 8.5 | M8 | 4 | |
| EHSWH41600008S | 16 | 16 | 8.5 | M8 | 4 | |
| EHSWH41600010S | 16 | 16 | 10.5 | M10 | 4 | |
| EHSWH42000010S | 20 | 20 | 10.5 | M10 | 4 | |
| EHSWH42000012S | 20 | 20 | 12.5 | M12 | 4 | |

EHSWH for hardened steel 高硬鋼用



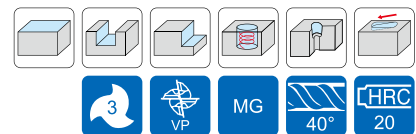
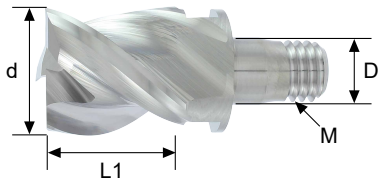
| Order No. | Dia. (d) | CL (L1) | ND (D) | M (M) | Flutes (Z) | Remarks |
|----------------|----------|---------|--------|-------|------------|---------|
| EHSWH81000006S | 10 | 10 | 6.5 | M6 | 8 | |
| EHSWH81200006S | 12 | 12 | 6.5 | M6 | 8 | |
| EHSWH81600008S | 16 | 16 | 8.5 | M8 | 8 | |
| EHSWH81600010S | 16 | 16 | 10.5 | M10 | 8 | |
| EHSWH82000010S | 20 | 20 | 10.5 | M10 | 8 | |
| EHSWH82000012S | 20 | 20 | 12.5 | M12 | 8 | |

EPSWV Virable Pitch, for Super Alloy 不等分割, 難切削材用



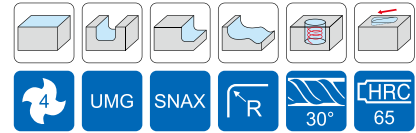
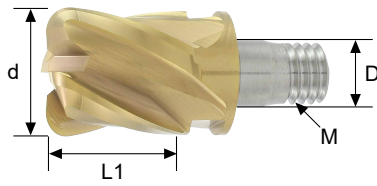
| Order No. | Dia. (d) | CL (L1) | ND (D) | M (M) | Flutes (Z) | Remarks |
|----------------|-------------|------------|-----------|----------|---------------|---------|
| EPSWV41000006S | 10 | 10 | 6.5 | M6 | 4 | |
| EPSWV41200006S | 12 | 12 | 6.5 | M6 | 4 | |
| EPSWV41400008S | 14 | 14 | 8.5 | M8 | 4 | |
| EPSWV41600008S | 16 | 16 | 8.5 | M8 | 4 | |
| EPSWV41600010S | 16 | 16 | 10.5 | M10 | 4 | |
| EPSWV42000010S | 20 | 20 | 10.5 | M10 | 4 | |
| EPSWV42000012S | 20 | 20 | 12.5 | M12 | 4 | |

ENSWV Virable Pitch, for Non-ferrous 不等分割, 非鐵金屬用



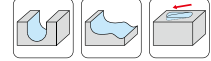
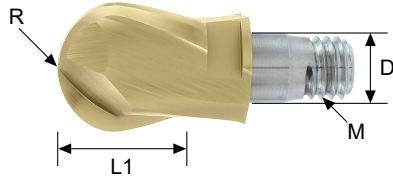
| Order No. | Dia. (d) | CL (L1) | ND (D) | M (M) | Flutes (Z) | Remarks |
|---------------|-------------|------------|-----------|----------|---------------|---------|
| ENSWV31000006 | 10 | 10 | 6.5 | M6 | 3 | |
| ENSWV31200006 | 12 | 12 | 6.5 | M6 | 3 | |
| ENSWV31600008 | 16 | 16 | 8.5 | M8 | 3 | |
| ENSWV31600010 | 16 | 16 | 10.5 | M10 | 3 | |
| ENSWV32000010 | 20 | 20 | 10.5 | M10 | 3 | |
| ENSWV32000012 | 20 | 20 | 12.5 | M12 | 3 | |

EHCWH for hardened steel 高硬鋼用



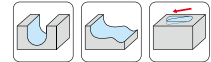
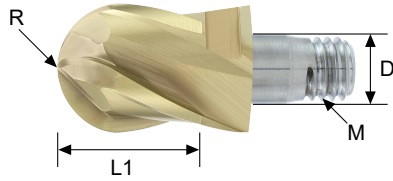
| Order No. | Dia. (d) | Radius (R) | CL (L1) | ND (D) | M (M) | Flutes (Z) | Remarks |
|----------------|-------------|---------------|------------|-----------|----------|---------------|---------|
| EHCWH41000506S | 10 | 0.5R | 10 | 6.5 | M6 | 4 | |
| EHCWH41001006S | 10 | 1.0R | 10 | 6.5 | M6 | 4 | |
| EHCWH41200506S | 12 | 0.5R | 12 | 6.5 | M6 | 4 | |
| EHCWH41201006S | 12 | 1.0R | 12 | 6.5 | M6 | 4 | |
| EHCWH41202006S | 12 | 2.0R | 12 | 6.5 | M6 | 4 | |
| EHCWH41203006S | 12 | 3.0R | 12 | 6.5 | M6 | 4 | |
| EHCWH41601008S | 16 | 1.0R | 16 | 8.5 | M8 | 4 | |
| EHCWH41601010S | 16 | 1.0R | 16 | 10.5 | M10 | 4 | |
| EHCWH41602008S | 16 | 2.0R | 16 | 8.5 | M8 | 4 | |
| EHCWH41602010S | 16 | 2.0R | 16 | 10.5 | M10 | 4 | |
| EHCWH41603008S | 16 | 3.0R | 16 | 8.5 | M8 | 4 | |
| EHCWH41603010S | 16 | 3.0R | 16 | 10.5 | M10 | 4 | |
| EHCWH41604008S | 16 | 4.0R | 16 | 8.5 | M8 | 4 | |
| EHCWH41604010S | 16 | 4.0R | 16 | 10.5 | M10 | 4 | |
| EHCWH41605008S | 16 | 5.0R | 16 | 8.5 | M8 | 4 | |
| EHCWH41605010S | 16 | 5.0R | 16 | 10.5 | M10 | 4 | |
| EHCWH42001010S | 20 | 1.0R | 20 | 10.5 | M10 | 4 | |
| EHCWH42001012S | 20 | 1.0R | 20 | 12.5 | M12 | 4 | |
| EHCWH42002010S | 20 | 2.0R | 20 | 10.5 | M10 | 4 | |
| EHCWH42002012S | 20 | 2.0R | 20 | 12.5 | M12 | 4 | |
| EHCWH42003010S | 20 | 3.0R | 20 | 10.5 | M10 | 4 | |
| EHCWH42003012S | 20 | 3.0R | 20 | 12.5 | M12 | 4 | |

EHBWH for hardened steel 高硬鋼用



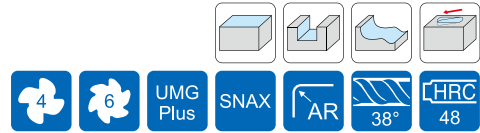
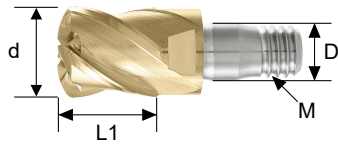
| Order No. | Radius (R) | Dia. (d) | CL (L1) | ND (D) | M (M) | Flutes (Z) | Remarks |
|----------------|------------|----------|---------|--------|-------|------------|---------|
| EHBWH21000006S | 5R | 10 | 10 | 6.5 | M6 | 2 | |
| EHBWH21200006S | 6R | 12 | 12 | 6.5 | M6 | 2 | |
| EHBWH21600008S | 8R | 16 | 16 | 8.5 | M8 | 2 | |
| EHBWH21600010S | 8R | 16 | 16 | 10.5 | M10 | 2 | |
| EHBWH22000010S | 10R | 20 | 20 | 10.5 | M10 | 2 | |
| EHBWH22000012S | 10R | 20 | 20 | 12.5 | M12 | 2 | |

ESBWH for Super Alloy 難切削材用

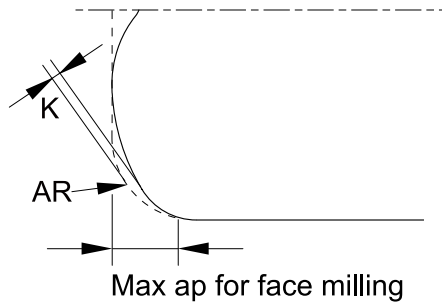


| Order No. | Radius (R) | Dia. (d) | CL (L1) | ND (D) | M (M) | Flutes (Z) | Remarks |
|----------------|------------|----------|---------|--------|-------|------------|---------|
| ESBWH41000006S | 5R | 10 | 10 | 6.5 | M6 | 4 | |
| ESBWH41200006S | 6R | 12 | 12 | 6.5 | M6 | 4 | |
| ESBWH41600008S | 8R | 16 | 16 | 8.5 | M8 | 4 | |
| ESBWH41600010S | 8R | 16 | 16 | 10.5 | M10 | 4 | |
| ESBWH42000010S | 10R | 20 | 20 | 10.5 | M10 | 4 | |
| ESBWH42000012S | 10R | 20 | 20 | 12.5 | M12 | 4 | |

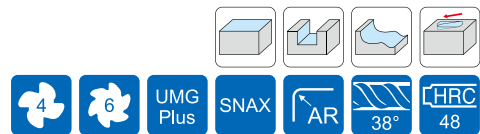
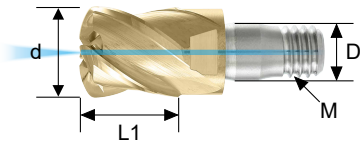
EHWWA High Feed 高進給



| Order No. | Dia. (d) | Max ap | Approx Radius (AR) | Uncut (K) | CL (L1) | ND (D) | M (M) | Flutes (Z) | Remarks |
|----------------|----------|--------|--------------------|-----------|---------|--------|-------|------------|---------|
| EHWWA41000106S | 10 | 0.55 | 1.47 | 0.28 | 10 | 6.5 | M6 | 4 | |
| EHWWA41200106S | 12 | 0.70 | 1.77 | 0.34 | 12 | 6.5 | M6 | 4 | |
| EHWWA61600108S | 16 | 0.90 | 2.35 | 0.43 | 16 | 8.5 | M8 | 6 | |
| EHWWA61600110S | 16 | 0.90 | 2.35 | 0.43 | 16 | 10.5 | M10 | 6 | |

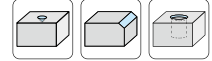
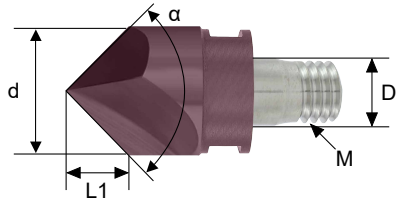


EHWWC High Feed with Internal Coolant 內冷高進給



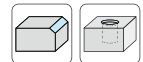
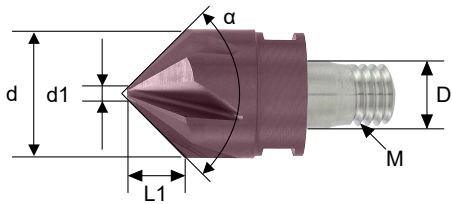
| Order No. | Dia. (d) | Max ap | Approx Radius (AR) | Uncut (K) | CL (L1) | ND (D) | M (M) | Flutes (Z) | Remarks |
|----------------|----------|--------|--------------------|-----------|---------|--------|-------|------------|---------|
| EHWWC41000106S | 10 | 0.55 | 1.47 | 0.28 | 10 | 6.5 | M6 | 4 | |
| EHWWC41200106S | 12 | 0.70 | 1.77 | 0.34 | 12 | 6.5 | M6 | 4 | |
| EHWWC61600108S | 16 | 0.90 | 2.35 | 0.43 | 16 | 8.5 | M8 | 6 | |
| EHWWC61600110S | 16 | 0.90 | 2.35 | 0.43 | 16 | 10.5 | M10 | 6 | |

EPFWA for chamfer & spotting 倒角 & 定位



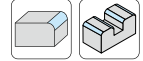
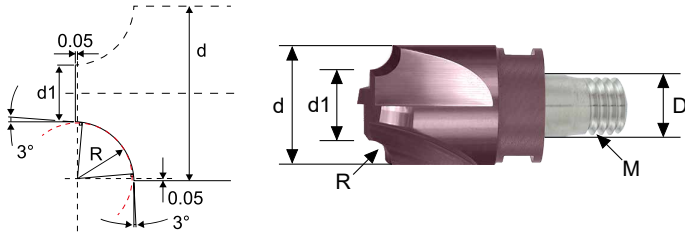
| Order No. | Dia. (d) | CL (L1) | Tip Angle (α) | ND (D) | M (M) | Flutes (Z) | Remarks |
|----------------|----------|---------|---------------|--------|-------|------------|---------|
| EPFWA21009006U | 10 | 5 | 90° | 6.5 | M6 | 2 | |
| EPFWA21209006U | 12 | 6 | 90° | 6.5 | M6 | 2 | |
| EPFWA21609008U | 16 | 8 | 90° | 8.5 | M8 | 2 | |
| EPFWA22009010U | 20 | 10 | 90° | 10.5 | M10 | 2 | |

EPFWA for chamfer 倒角



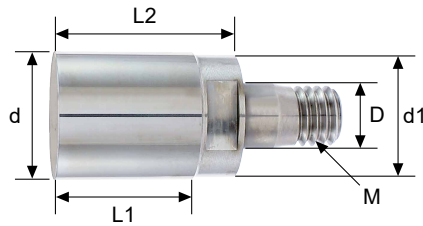
| Order No. | Dia. (d) | Tip Dia. (d1) | CL (L1) | Tip Angle (α) | ND (D) | M (M) | Flutes (Z) | Remarks |
|----------------|----------|---------------|---------|---------------|--------|-------|------------|---------|
| EPFWA41009006U | 10 | 1.5 | 4.25 | 90° | 6.5 | M6 | 4 | |
| EPFWA61009006U | 10 | 1.5 | 4.25 | 90° | 6.5 | M6 | 6 | |
| EPFWA41209006U | 12 | 2.0 | 5.00 | 90° | 6.5 | M6 | 4 | |
| EPFWA61209006U | 12 | 2.0 | 5.00 | 90° | 6.5 | M6 | 6 | |
| EPFWA61609008U | 16 | 2.5 | 6.75 | 90° | 8.5 | M8 | 6 | |
| EPFWA62009010U | 20 | 3.0 | 8.50 | 90° | 10.5 | M10 | 6 | |

EPIWA for inner radius chamfer 內R倒角



| Order No. | Corner Radius (R) | Front Dia. (d1) | Dia. (d) | ND (D) | M (M) | Flutes (Z) | Remarks |
|----------------|-------------------|-----------------|----------|--------|-------|------------|---------|
| EPIWA40592006U | 2.0R | 5.9 | 10 | 6.5 | M6 | 4 | |
| EPIWA40492506U | 2.5R | 4.9 | 10 | 6.5 | M6 | 4 | |
| EPIWA40593006U | 3.0R | 5.9 | 12 | 6.5 | M6 | 4 | |
| EPIWA40553106U | 3.175R | 5.55 | 12 | 6.5 | M6 | 4 | |
| EPIWA40394006U | 4.0R | 3.9 | 12 | 6.5 | M6 | 4 | |
| EPIWA40595008U | 5.0R | 5.9 | 16 | 8.5 | M8 | 4 | |
| EPIWA40396008U | 6.0R | 3.9 | 16 | 8.5 | M8 | 4 | |
| EPIWA40326308U | 6.35R | 3.2 | 16 | 8.5 | M8 | 4 | |

EWB Modular Solid Carbide Blanks 模組化全鎢鋼坯料



| Order No. | Dia. (d) | CL (L1) | Neck Dia. (d1) | EFF-L (L2) | ND (D) | M (M) | Wrench | Remarks |
|------------|----------|---------|----------------|------------|--------|-------|---------|---------|
| EWB1000006 | 10 | 10 | 9.5 | 14.5 | 6.5 | M6 | ISP0809 | |
| EWB1200006 | 12 | 12 | 11.5 | 16.5 | 6.5 | M6 | ISP1011 | |
| EWB1400008 | 14 | 14 | 13.5 | 18.5 | 8.5 | M8 | ISP1011 | |
| EWB1600008 | 16 | 16 | 15.5 | 21.5 | 8.5 | M8 | ISP1213 | |
| EWB1600010 | 16 | 16 | 15.5 | 21.5 | 10.5 | M10 | ISP1213 | |
| EWB2000010 | 20 | 20 | 19.5 | 26.5 | 10.5 | M10 | ISP1617 | |
| EWB2000012 | 20 | 20 | 19.5 | 26.5 | 12.5 | M12 | ISP1617 | |

Customize available.

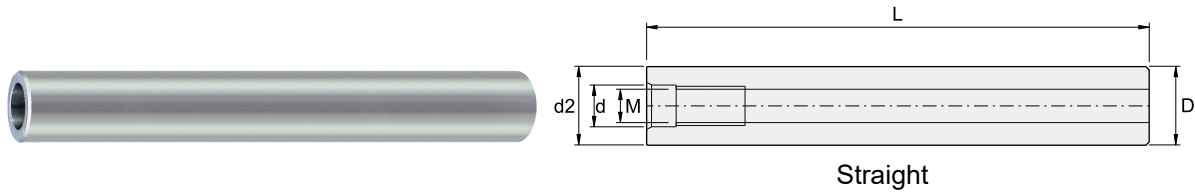
Wrench Specifications 板手規格



Unit : mm

| Order No. | W1 | W2 | Remarks |
|-----------|----|----|---------|
| ISP0809 | 8 | 9 | |
| ISP1011 | 10 | 11 | |
| ISP1213 | 12 | 13 | |
| ISP1617 | 16 | 17 | |

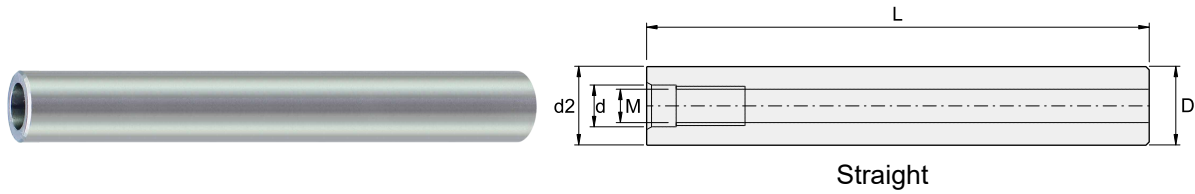
SWMEA Straight 直柄型



| Order No. | Dimensions (mm) | | | | |
|----------------|-----------------|-------------|----------|----------------|-----|
| | d2 | d | L | D | M |
| ISWMEA08100050 | 8 | 5.5 | 100 | 8 | M5 |
| ISWMEA10075050 | 10 | 5.5 | 75 | 10 | M5 |
| ISWMEA10100050 | 10 | 5.5 | 100 | 10 | M5 |
| ISWMEA10150050 | 10 | 5.5 | 150 | 10 | M5 |
| ISWMEA10100060 | 10 | 6.5 | 100 | 10 | M6 |
| ISWMEA10150060 | 10 | 6.5 | 150 | 10 | M6 |
| ISWMEA11100060 | 11 | 6.5 | 100 | 11 | M6 |
| ISWMEA11150060 | 11 | 6.5 | 150 | 11 | M6 |
| ISWMEA12075060 | 12 | 6.5 | 75 | 12 | M6 |
| ISWMEA12100060 | 12 | 6.5 | 100 | 12 | M6 |
| ISWMEA12150060 | 12 | 6.5 | 150 | 12 | M6 |
| ISWMEA12200060 | 12 | 6.5 | 200 | 12 | M6 |
| ISWMEA12100080 | 12 | 8.5 | 100 | 12 | M8 |
| ISWMEA12150080 | 12 | 8.5 | 150 | 12 | M8 |
| ISWMEA12200080 | 12 | 8.5 | 200 | 12 | M8 |
| ISWMEA14100080 | 14 | 8.5 | 100 | 14 | M8 |
| ISWMEA14150080 | 14 | 8.5 | 150 | 14 | M8 |
| ISWMEA14200080 | 14 | 8.5 | 200 | 14 | M8 |
| ISWMEA15100080 | 15 | 8.5 | 100 | 15 | M8 |
| ISWMEA15150080 | 15 | 8.5 | 150 | 15 | M8 |
| ISWMEA15200080 | 15 | 8.5 | 200 | 15 | M8 |
| ISWM2A06204080 | 15.875 (.625") | 8.5 (.335") | 100 (4") | 15.875 (.625") | M8 |
| ISWM2A06206080 | 15.875 (.625") | 8.5 (.335") | 150 (6") | 15.875 (.625") | M8 |
| ISWMEA16100080 | 16 | 8.5 | 100 | 16 | M8 |
| ISWMEA16150080 | 16 | 8.5 | 150 | 16 | M8 |
| ISWMEA16200080 | 16 | 8.5 | 200 | 16 | M8 |
| ISWMEA16250080 | 16 | 8.5 | 250 | 16 | M8 |
| ISWMEA16100100 | 16 | 10.5 | 100 | 16 | M10 |

(continued)

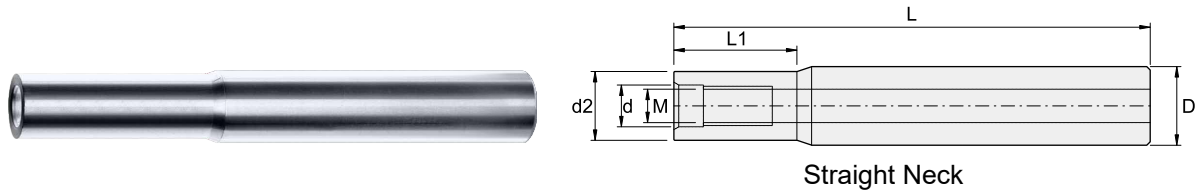
SWMEA Straight 直柄型



| Order No. | Dimensions (mm) | | | | |
|----------------|-----------------|--------------|----------|---------------|-----|
| | d2 | d | L | D | M |
| ISWMEA18150100 | 18 | 10.5 | 150 | 18 | M10 |
| ISWMEA18200100 | 18 | 10.5 | 200 | 18 | M10 |
| ISWM2A07504100 | 19.05 (.75") | 10.5 (.413") | 100 (4") | 19.05 (.75") | M10 |
| ISWM2A07506100 | 19.05 (.75") | 10.5 (.413") | 150 (6") | 19.05 (.75") | M10 |
| ISWMEA20100100 | 20 | 10.5 | 100 | 20 | M10 |
| ISWMEA20150100 | 20 | 10.5 | 150 | 20 | M10 |
| ISWMEA20200100 | 20 | 10.5 | 200 | 20 | M10 |
| ISWMEA20250100 | 20 | 10.5 | 250 | 20 | M10 |
| ISWMEA20300100 | 20 | 10.5 | 300 | 20 | M10 |
| ISWMEA20400100 | 20 | 10.5 | 400 | 20 | M10 |
| ISWMEA25100120 | 25 | 12.5 | 100 | 25 | M12 |
| ISWMEA25150120 | 25 | 12.5 | 150 | 25 | M12 |
| ISWMEA25200120 | 25 | 12.5 | 200 | 25 | M12 |
| ISWMEA25250120 | 25 | 12.5 | 250 | 25 | M12 |
| ISWMEA25300120 | 25 | 12.5 | 300 | 25 | M12 |
| ISWMEA25350120 | 25 | 12.5 | 350 | 25 | M12 |
| ISWM2A10004120 | 25.4 (1") | 12.5 (.492") | 100 (4") | 25.4 (1") | M12 |
| ISWM2A10006120 | 25.4 (1") | 12.5 (.492") | 150 (6") | 25.4 (1") | M12 |
| ISWM2A12506160 | 31.75 (1.25") | 17 (.669") | 150 (6") | 31.75 (1.25") | M16 |
| ISWMEA32200160 | 32 | 17 | 200 | 32 | M16 |
| ISWMEA32300160 | 32 | 17 | 300 | 32 | M16 |
| ISWMEA32350160 | 32 | 17 | 350 | 32 | M16 |
| ISWMEA32400160 | 32 | 17 | 400 | 32 | M16 |

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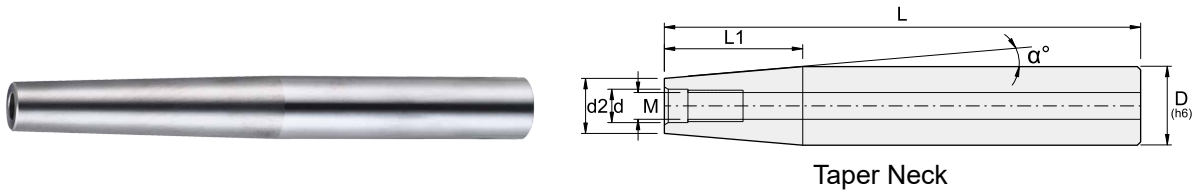
SWMEB Straight Neck 直頸型



| Order No. | Dimensions (mm) | | | | | |
|----------------|-----------------|------|-----|-----|----|-----|
| | d2 | d | L1 | L | D | M |
| ISWMEB10100060 | 8.5 | 6.5 | 24 | 100 | 10 | M6 |
| ISWMEB12100060 | 11.5 | 6.5 | 24 | 100 | 12 | M6 |
| ISWMEB12100061 | 11.5 | 6.5 | 40 | 100 | 12 | M6 |
| ISWMEB12100062 | 11.5 | 6.5 | 60 | 100 | 12 | M6 |
| ISWMEB12150060 | 11.5 | 6.5 | 24 | 150 | 12 | M6 |
| ISWMEB12150061 | 11.5 | 6.5 | 100 | 150 | 12 | M6 |
| ISWMEB14100080 | 13 | 8.5 | 30 | 100 | 14 | M8 |
| ISWMEB14150080 | 13 | 8.5 | 60 | 150 | 14 | M8 |
| ISWMEB14200080 | 13 | 8.5 | 100 | 200 | 14 | M8 |
| ISWMEB16150082 | 13 | 8.5 | 32 | 150 | 16 | M8 |
| ISWMEB16150083 | 14 | 8.5 | 80 | 150 | 16 | M8 |
| ISWMEB16150080 | 15 | 8.5 | 30 | 150 | 16 | M8 |
| ISWMEB16150081 | 15 | 8.5 | 100 | 150 | 16 | M8 |
| ISWMEB16200080 | 15 | 8.5 | 40 | 200 | 16 | M8 |
| ISWMEB16200081 | 15 | 8.5 | 120 | 200 | 16 | M8 |
| ISWMEB20150102 | 17 | 10.5 | 40 | 150 | 20 | M10 |
| ISWMEB20200103 | 17 | 10.5 | 120 | 200 | 20 | M10 |
| ISWMEB20150100 | 19 | 10.5 | 40 | 150 | 20 | M10 |
| ISWMEB20150101 | 19 | 10.5 | 100 | 150 | 20 | M10 |
| ISWMEB20200100 | 19 | 10.5 | 40 | 200 | 20 | M10 |
| ISWMEB20200101 | 19 | 10.5 | 120 | 200 | 20 | M10 |
| ISWMEB20250101 | 19 | 10.5 | 200 | 250 | 20 | M10 |
| ISWMEB25150120 | 24 | 12.5 | 48 | 150 | 25 | M12 |
| ISWMEB25150121 | 24 | 12.5 | 100 | 150 | 25 | M12 |
| ISWMEB25200120 | 24 | 12.5 | 48 | 200 | 25 | M12 |
| ISWMEB25200121 | 24 | 12.5 | 100 | 200 | 25 | M12 |
| ISWMEB25200122 | 24 | 12.5 | 150 | 200 | 25 | M12 |
| ISWMEB25250121 | 24 | 12.5 | 200 | 250 | 25 | M12 |
| ISWMEB32200161 | 30 | 17 | 120 | 200 | 32 | M16 |
| ISWMEB32250162 | 30 | 17 | 200 | 250 | 32 | M16 |
| ISWMEB32300162 | 30 | 17 | 250 | 300 | 32 | M16 |
| ISWMEB32350162 | 30 | 17 | 300 | 350 | 32 | M16 |

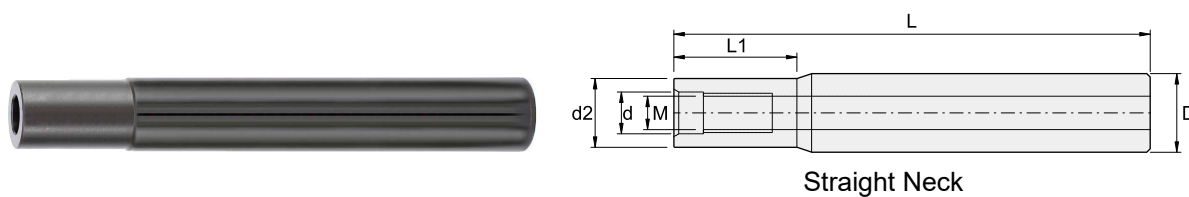
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SWMET Taper Neck 斜頸型



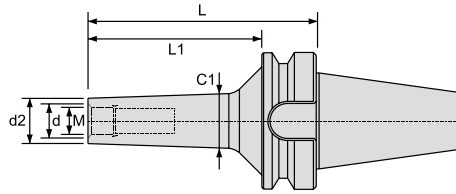
| Order No. | Dimensions (mm) | | | | | | |
|----------------|-----------------|------|-------|-----|-----|----|-----|
| | d2 | d | α° | L1 | L | D | M |
| ISWMET12150050 | 9.8 | 5.5 | 1° | 60 | 150 | 12 | M5 |
| ISWMET12150060 | 9.8 | 6.5 | 1° | 60 | 150 | 12 | M6 |
| ISWMET16150060 | 11.8 | 6.5 | 1.65° | 70 | 150 | 16 | M6 |
| ISWMET16250060 | 11.8 | 6.5 | 1° | 115 | 250 | 16 | M6 |
| ISWMET20300060 | 11.8 | 6.5 | 1.7° | 135 | 300 | 20 | M6 |
| ISWMET20200080 | 15.5 | 8.5 | 1.3° | 90 | 200 | 20 | M8 |
| ISWMET20300080 | 15.5 | 8.5 | 0.85° | 135 | 300 | 20 | M8 |
| ISWMET25200100 | 19.8 | 10.5 | 1.6° | 90 | 200 | 25 | M10 |
| ISWMET25300100 | 19.8 | 10.5 | 1.1° | 135 | 300 | 25 | M10 |
| ISWMET32200120 | 24.5 | 12.5 | 2.3° | 90 | 200 | 32 | M12 |
| ISWMET32300120 | 24.5 | 12.5 | 1.5° | 135 | 300 | 32 | M12 |

Customize available.

SWMSB Straight Neck 直頸型

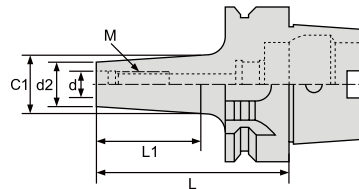
| Order No. | Dimensions (mm) | | | | | |
|----------------|-----------------|------|----|-----|----|-----|
| | d2 | d | L1 | L | D | M |
| ISWMSB16100080 | 15 | 8.5 | 12 | 100 | 16 | M8 |
| ISWMSB16150080 | 15 | 8.5 | 12 | 150 | 16 | M8 |
| ISWMSB20100100 | 18 | 10.5 | 25 | 100 | 20 | M10 |
| ISWMSB20150100 | 18 | 10.5 | 25 | 150 | 20 | M10 |
| ISWMSB20200100 | 18 | 10.5 | 35 | 200 | 20 | M10 |
| ISWMSB25100120 | 23 | 12.5 | 12 | 100 | 25 | M12 |
| ISWMSB25150120 | 23 | 12.5 | 12 | 150 | 25 | M12 |
| ISWMSB25200120 | 23 | 12.5 | 20 | 200 | 25 | M12 |
| ISWMSB32150160 | 30 | 17 | 30 | 150 | 32 | M16 |
| ISWMSB32200160 | 30 | 17 | 30 | 200 | 32 | M16 |
| ISWMSB32250160 | 30 | 17 | 30 | 250 | 32 | M16 |

BT40 Arbor (screw-on) 鎖牙式刀柄



| Order No. | d2 | d | C1 | L1 | L | M | Arbor Type |
|--------------|----|------|----|----|----|-----|------------|
| IBT40DM08050 | 13 | 8.5 | 15 | 23 | 50 | M8 | BT40 |
| IBT40DM10057 | 18 | 10.5 | 21 | 30 | 57 | M10 | |
| IBT40DM12080 | 21 | 12.5 | 25 | 53 | 80 | M12 | |

HSK63 Arbor (screw-on) 鎖牙式刀柄



| Order No. | d2 | d | C1 | L1 | L | M |
|---------------|----|------|----|----|----|-----|
| IHSK63AM08050 | 17 | 8.5 | 18 | 16 | 50 | M8 |
| IHSK63AM10060 | 18 | 10.5 | 23 | 26 | 60 | M10 |
| IHSK63AM10080 | 20 | 10.5 | 24 | 44 | 80 | M10 |
| IHSK63AM12060 | 23 | 12.5 | 24 | 26 | 60 | M12 |
| IHSK63AM12080 | 21 | 12.5 | 24 | 44 | 80 | M12 |



How to install the solid carbide head 如何安裝全鎢鋼刀頭至抗震刀桿



1. Screw the adapter to the holder and clean.
將抗震刀桿鎖在刀把上



2. Screw the solid carbide head to the adapter.
將全鎢鋼刀頭鎖在抗震刀桿上

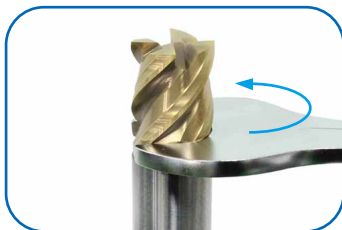


3. Use the torque wrench to screw the solid carbide head.
使用扭力板手鎖緊全鎢鋼刀頭



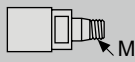
4. Complete installation.
完成安裝

How to uninstall the solid carbide head 如何拆卸全鎢鋼刀頭



When uninstall the solid carbide head, please push the wrench lightly for avoiding the neck broken.
拆卸全鎢鋼刀頭時，請輕輕推動板手，避免刀頭頸部斷裂

Recommended Torque 建議板手扭力值

| Modular Solid Carbide Blank M Threads  | Recommended Clamping Torque (N · m) |
|--|-------------------------------------|
| M6 | 6 |
| M8 | 8 |
| M10 | 10 |
| M12 | 12 |