

## High Feed Milling Series Introduction

高進給銑刀系列介紹

## CXBN Series



- Use BNMX double-sided inserts with 4 cutting edges.
- High feed and low cutting force offers better productivity.
- 15~100mm cutter diameter, max. 1.4mm depth of cut.

- 使用 BNMX 雙面銑刀片，4 個可用切削角
- 高進給及低切削阻力設計確保較大的生產率，適用於各種應用及材料
- 15~100mm 刀桿直徑，最大切削深度可達 1.4mm

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## CXLN Series



- Use LNMX double-sided inserts with 4 cutting edges.
- High feed and sharp cutting edges for low cutting force applications.
- 16~50mm cutter diameter, max. 0.9mm depth of cut.

- 使用 LNMX 雙面銑刀片，4 個可用切削角
- 高進給及大前角設計的切削刃可實現極低切削阻力，並達成高金屬移除率
- 16~50mm 刀桿直徑，最大切削深度可達 0.9mm

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## CXLO Series



- Use LOGX double-sided inserts with 4 cutting edges.
- High feed and high precision cutting edges for good surface finishing.
- 16~50mm cutter diameter, max. 0.9mm depth of cut.

- 使用 LOGX 雙面銑刀片，4 個可用切削角
- 高進給及高精度切削刃適用於高溫合金加工，並可達到優良的表面光潔度
- 16~50mm 刀桿直徑，最大切削深度可達 0.9mm

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## CXWN Series



- Use WNMX double-sided inserts with 6 cutting edges.
- High feed and low cost for multi-functional applications.
- 25~160mm cutter diameter, max. 1.35mm depth of cut.

- 使用 WNMX 雙面銑刀片，6 個可用切削角
- 高進給及低成本適用於面銑、斜坡銑和插銑等多功能加工
- 25~160mm 刀桿直徑，最大切削深度可達 1.35mm

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### CALP Series



- Use LPGX inserts with 2 cutting edges.
- High feed and small size cutter for replacing solid carbide tools.
- 8~16mm cutter diameter, max. 0.5mm depth of cut.
- 使用 LPGX 銑刀片, 2 個可用切削角
- 高進給及小尺寸刀具可取代全鎢鋼刀具, 適用於廣泛的加工及材質應用
- 8~16mm 刀桿直徑, 最大切削深度可達 0.5mm

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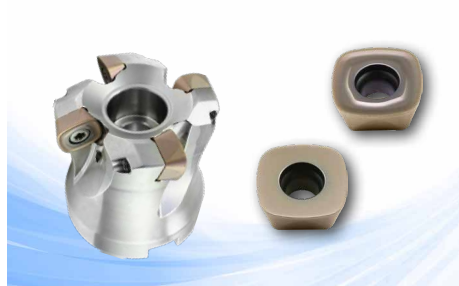
### CAJX Series



- Use JDMT or JDMW inserts with 3 cutting edges.
- High feed and high rigidity cutting edge for wide range applications.
- 32~100mm cutter diameter, max. 2mm depth of cut.
- 使用 JDMT 或 JDMW 銑刀片, 3 個可用切削角
- 高進給及高剛性切削刀口適用於各種材料和應用
- 32~100mm 刀桿直徑, 最大切削深度可達 2mm

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### CASR Series



- Use SDMT or SDNW inserts with 4 cutting edges.
- High feed and more economical for wide range applications.
- 50~80mm cutter diameter, max. 1.5mm depth of cut.
- 使用 SDMT 或 SDNW 銑刀片, 4 個可用切削角
- 高進給、高經濟及高剛性切削刀口適用於各種材料和應用
- 50~80mm 刀盤直徑, 最大切削深度可達 1.5mm

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### CF23 Series



- Use WP26 inserts with 3 cutting edges.
- High feed and high rigidity negative designed for hardened steel.
- 32~160mm cutter diameter, max. 2mm depth of cut.
- 使用 WP26 銑刀片, 3 個可用切削角
- 高進給及高剛性負角設計, 適用於較硬材料加工
- 32~160mm 刀桿直徑, 最大切削深度可達 2mm

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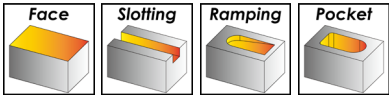
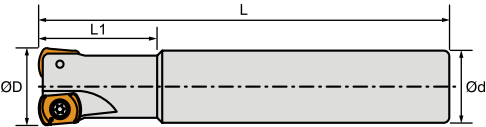
**High Feed Milling - CXBN**

高進給銑刀



- Use BNMX double-sided inserts with 4 cutting edges.
- High feed and low cutting force offers better productivity.
- 15~100mm cutter diameter, max. 1.4mm depth of cut.
- 使用 BNMX 雙面銑刀片，4 個可用切削角
- 高進給及低切削阻力設計確保較大的生產率，適用於各種應用及材料
- 15~100mm 刀桿直徑，最大切削深度可達 1.4mm

**CXBNE - Milling Tools** 高進給銑刀



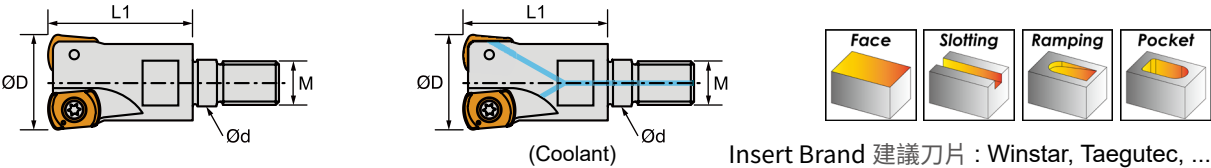
Insert Brand 建議刀片：Winstar, Taegutec, ...

| Order No.<br>訂購編碼 | D  | L1 | L   | d  | T | Inserts  | Screw   | Wrench | Stock |
|-------------------|----|----|-----|----|---|----------|---------|--------|-------|
| ICXBNE602015130   | 15 | 26 | 130 | 16 | 2 | BNMX0603 | ITS3004 | ITK08  | ●     |
| ICXBNE602016130   | 16 | 26 | 130 | 16 | 2 |          |         |        | ●     |
| ICXBNE602017130   | 17 | 26 | 130 | 16 | 2 |          |         |        | ●     |
| ICXBNE602018130   | 18 | 25 | 130 | 20 | 2 |          |         |        | ●     |
| ICXBNE603020150   | 20 | 40 | 150 | 20 | 3 |          |         |        | ●     |
| ICXBNE603021150   | 21 | 40 | 150 | 20 | 3 |          |         |        | ●     |
| ICXBNE604025150   | 25 | 40 | 150 | 25 | 4 |          |         |        | ●     |
| ICXBNE604026150   | 26 | 30 | 150 | 25 | 4 |          |         |        | ●     |
| ICXBNE604032200   | 32 | 45 | 200 | 32 | 4 | BNMX0904 | ITS4009 | ITK15  | ●     |
| ICXBNE903025150   | 25 | 40 | 150 | 25 | 3 |          |         |        | ●     |
| ICXBNE903032150   | 32 | 40 | 150 | 32 | 3 |          |         |        | ●     |

● stock    ○ by inquiry

Customize available.

CXBNM - Modular Milling Heads 高進給銑刀頭

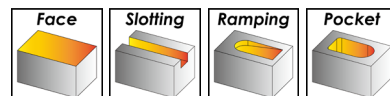
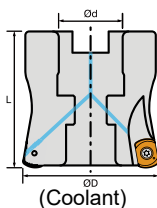
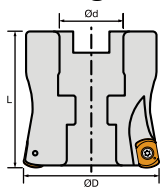


| Order No.<br>訂購編碼 | D  | L1 | d    | M   | T | Coolant<br>Hole | Inserts  | Screw   | Wrench | Stock |
|-------------------|----|----|------|-----|---|-----------------|----------|---------|--------|-------|
| ICXBNM602016080   | 16 | 26 | 8.5  | M8  | 2 |                 | BNMX0603 | ITS3004 | ITK08  | ●     |
| ICXBNM602016081   | 16 | 26 | 8.5  | M8  | 2 | ✓               |          |         |        | ●     |
| ICXBNM603020100   | 20 | 30 | 10.5 | M10 | 3 |                 |          |         |        | ●     |
| ICXBNM603020101   | 20 | 30 | 10.5 | M10 | 3 | ✓               |          |         |        | ●     |
| ICXBNM603021100   | 21 | 30 | 10.5 | M10 | 3 |                 |          |         |        | ●     |
| ICXBNM603025120   | 25 | 35 | 12.5 | M12 | 3 |                 |          |         |        | ●     |
| ICXBNM604025120   | 25 | 35 | 12.5 | M12 | 4 |                 |          |         |        | ●     |
| ICXBNM604025121   | 25 | 35 | 12.5 | M12 | 4 | ✓               |          |         |        | ●     |
| ICXBNM603026120   | 26 | 35 | 12.5 | M12 | 3 |                 |          |         |        | ●     |
| ICXBNM604032161   | 32 | 40 | 17.0 | M16 | 4 | ✓               |          |         |        | ●     |
| ICXBNM605032160   | 32 | 40 | 17.0 | M16 | 5 |                 |          |         |        | ●     |
| ICXBNM605032161   | 32 | 40 | 17.0 | M16 | 5 | ✓               |          |         |        | ●     |
| ICXBNM606040161   | 40 | 43 | 17.0 | M16 | 6 | ✓               |          |         |        | ●     |
| ICXBNM903025121   | 25 | 35 | 12.5 | M12 | 3 | ✓               | BNMX0904 | ITS4009 | ITK15  | ●     |
| ICXBNM904032161   | 32 | 40 | 17.0 | M16 | 4 | ✓               |          |         |        | ●     |
| ICXBNM904035161   | 35 | 43 | 17.0 | M16 | 4 | ✓               |          |         |        | ○     |
| ICXBNM905042161   | 42 | 43 | 17.0 | M16 | 5 | ✓               |          |         |        | ●     |

● stock ○ by inquiry ※ For screw-in type adapter, please refer to Tooling System 搭配鎖牙式刀桿，請參考刀具系統

Indexable Milling

## CXBNF - Milling Tools 高進給銑刀



Insert Brand 建議刀片：Winstar, Taegutec, ...

| Order No.<br>訂購編碼 | D   | L  | d  | T  | Coolant<br>Hole | Inserts  | <br>Screw | <br>Wrench | Stock |
|-------------------|-----|----|----|----|-----------------|----------|----------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|-------|
| ICXBNF606040220   | 40  | 50 | 22 | 6  |                 | BNMX0603 | ITS3004                                                                                      | ITK08                                                                                         | ●     |
| ICXBNF606040221   | 40  | 50 | 22 | 6  | ✓               |          |                                                                                              |                                                                                               | ●     |
| ICXBNF607050220   | 50  | 50 | 22 | 7  |                 |          |                                                                                              |                                                                                               | ●     |
| ICXBNF607050221   | 50  | 50 | 22 | 7  | ✓               |          |                                                                                              |                                                                                               | ●     |
| ICXBNF607052221   | 52  | 50 | 22 | 7  | ✓               |          |                                                                                              |                                                                                               | ○     |
| ICXBNF607063220   | 63  | 50 | 22 | 7  |                 |          |                                                                                              |                                                                                               | ●     |
| ICXBNF906050221   | 50  | 50 | 22 | 6  | ✓               | BNMX0904 | ITS3504                                                                                      | ITK15                                                                                         | ●     |
| ICXBNF906052221   | 52  | 50 | 22 | 6  | ✓               |          | ITS4009                                                                                      |                                                                                               | ●     |
| ICXBNF907063220   | 63  | 50 | 22 | 7  |                 |          |                                                                                              |                                                                                               | ●     |
| ICXBNF907063271   | 63  | 50 | 27 | 7  | ✓               |          | ITS3504                                                                                      |                                                                                               | ●     |
| ICXBNF907066271   | 66  | 50 | 27 | 7  | ✓               |          |                                                                                              |                                                                                               | ○     |
| ICXBNF908080271   | 80  | 50 | 27 | 8  | ✓               |          |                                                                                              |                                                                                               | ●     |
| ICXBNF910100321   | 100 | 50 | 32 | 10 | ✓               |          |                                                                                              |                                                                                               | ●     |

● stock ○ by inquiry

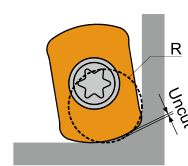
Customize available.

## Recommended Cutting Conditions 建議切削數據

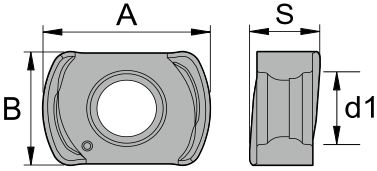
| Working Material           | BNMX0603  |           |           | BNMX0904  |           |           |
|----------------------------|-----------|-----------|-----------|-----------|-----------|-----------|
|                            | Vc        | fz        | ap        | Vc        | fz        | ap        |
| Carbon Steel / Alloy Steel | 120 ~ 250 | 0.4 ~ 1.6 | 0.3 ~ 0.9 | 120 ~ 250 | 0.4 ~ 2.0 | 0.3 ~ 1.4 |
| Stainless Steel            | 100 ~ 180 | 0.3 ~ 1.2 | 0.3 ~ 0.7 | 100 ~ 180 | 0.3 ~ 1.6 | 0.3 ~ 1.2 |
| Cast Iron                  | 120 ~ 250 | 0.4 ~ 1.6 | 0.3 ~ 0.9 | 120 ~ 250 | 0.4 ~ 2.0 | 0.3 ~ 1.4 |
| High Temperature Alloy     | 40 ~ 100  | 0.3 ~ 0.8 | 0.3 ~ 0.6 | 40 ~ 100  | 0.3 ~ 1.2 | 0.3 ~ 1.2 |
| Hardened Steel             | 50 ~ 100  | 0.3 ~ 1.0 | 0.3 ~ 0.6 | 50 ~ 100  | 0.3 ~ 1.4 | 0.3 ~ 1.2 |

## Corner R Programming R 角軟體模擬設定

| Designation | Approx. R (mm) |       |
|-------------|----------------|-------|
|             | Input. R       | Uncut |
| BNMX0603    | 2.0            | 0.42  |
| BNMX0904    | 2.5            | 0.61  |



Insert Specifications 刀片規格

| Insert   | Dimensions (mm) |      |      |     |  |
|----------|-----------------|------|------|-----|------------------------------------------------------------------------------------|
|          | A               | B    | S    | d1  |                                                                                    |
| BNMX0603 | 9.0             | 6.38 | 3.75 | 3.2 |                                                                                    |
| BNMX0904 | 11.9            | 9.18 | 4.8  | 4.2 |                                                                                    |

Insert Designation 刀片型號

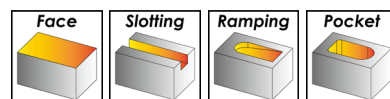
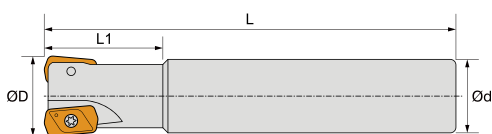
| Insert                                                                              | Order No.<br>訂購編碼 | Designation        | Working Material |   |   |   |   |   |
|-------------------------------------------------------------------------------------|-------------------|--------------------|------------------|---|---|---|---|---|
|                                                                                     |                   |                    | P                | M | K | N | S | H |
|    | IBNMX0603SG23AX   | BNMX0603-SG-CX23AX | ○                | ○ | ○ |   | ○ | ● |
|                                                                                     | IBNMX0603SG32HS   | BNMX0603-SG-CX32HS | ●                | ● | ● |   | ○ |   |
|                                                                                     | IBNMX0603SG33TX   | BNMX0603-SG-CX33TX | ●                | ● | ● |   | ● | ● |
|                                                                                     | IBNMX0603SG43TX   | BNMX0603-SG-CX43TX | ●                | ● | ● |   | ● |   |
|  | IBNMX0603MG23AX   | BNMX0603-MG-CX23AX | ○                | ○ | ○ |   | ○ | ● |
|                                                                                     | IBNMX0603MG32HS   | BNMX0603-MG-CX32HS | ●                | ● | ● |   | ○ |   |
|                                                                                     | IBNMX0603MG33TX   | BNMX0603-MG-CX33TX | ●                | ● | ● |   | ● | ● |
|                                                                                     | IBNMX0603MG43TX   | BNMX0603-MG-CX43TX | ●                | ● | ● |   | ● |   |
|                                                                                     | IBNMX0603MG37TA   | BNMX0603-MG-CX37TA | ○                | ○ | ● |   | ○ | ○ |
|                                                                                     | IBNMX0603MG47TA   | BNMX0603-MG-CX47TA | ●                | ● | ○ |   | ● | ○ |
|  | IBNMX0603RG23AX   | BNMX0603-RG-CX23AX | ○                | ○ | ○ |   | ○ | ● |
|                                                                                     | IBNMX0603RG32HS   | BNMX0603-RG-CX32HS | ●                | ● | ● |   | ○ |   |
|                                                                                     | IBNMX0603RG33TX   | BNMX0603-RG-CX33TX | ●                | ● | ● |   | ● | ● |
|                                                                                     | IBNMX0603RG43TX   | BNMX0603-RG-CX43TX | ●                | ● | ● |   | ● |   |
|                                                                                     | IBNMX0603RG37TA   | BNMX0603-RG-CX37TA | ○                | ○ | ● |   | ○ | ○ |
|                                                                                     | IBNMX0603RG47TA   | BNMX0603-RG-CX47TA | ●                | ● | ○ |   | ● | ○ |
|  | IBNMX0904MG23AX   | BNMX0904-MG-CX23AX | ○                | ○ | ○ |   | ○ | ● |
|                                                                                     | IBNMX0904MG32HS   | BNMX0904-MG-CX32HS | ●                | ● | ● |   | ○ |   |
|                                                                                     | IBNMX0904MG33TX   | BNMX0904-MG-CX33TX | ●                | ● | ● |   | ● | ● |
|                                                                                     | IBNMX0904MG43TX   | BNMX0904-MG-CX43TX | ●                | ● | ● |   | ● |   |
|                                                                                     | IBNMX0904MG37TA   | BNMX0904-MG-CX37TA | ○                | ○ | ● |   | ○ | ○ |
|                                                                                     | IBNMX0904MG47TA   | BNMX0904-MG-CX47TA | ●                | ● | ○ |   | ● | ○ |

Indexable Milling



- Use LNMX double-sided inserts with 4 cutting edges.
- High feed and sharp cutting edges for low cutting force applications.
- 16~50mm cutter diameter, max. 0.9mm depth of cut.
- 使用 LNMX 雙面銑刀片，4 個可用切削角
- 高進給及大前角設計的切削刃可實現極低切削阻力，並達成高金屬移除率
- 16~50mm 刀桿直徑，最大切削深度可達 0.9mm

## CXLNE - Milling Tools 高進給銑刀



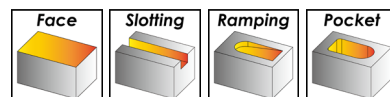
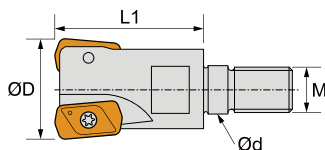
Insert Brand 建議刀片：Winstar, Tungaloy, ...

| Order No.<br>訂購編碼 | D  | L1 | L   | d  | T | Inserts  | Screw   | Wrench | Stock |
|-------------------|----|----|-----|----|---|----------|---------|--------|-------|
| ICXLNE302016100   | 16 | 30 | 100 | 16 | 2 | LNMX0303 | ITS2535 | ITK07  | ●     |
| ICXLNE302016150   | 16 | 30 | 150 | 16 | 2 |          |         |        | ●     |
| ICXLNE303020150   | 20 | 50 | 150 | 20 | 3 |          |         |        | ●     |
| ICXLNE304020130   | 20 | 50 | 130 | 20 | 4 |          |         |        | ○     |
| ICXLNE304025150   | 25 | 60 | 150 | 25 | 4 |          |         |        | ●     |
| ICXLNE305025140   | 25 | 60 | 140 | 25 | 5 |          |         |        | ○     |
| ICXLNE306032150   | 32 | 70 | 150 | 32 | 6 |          |         |        | ●     |

● stock ○ by inquiry

Customize available.

## CXLNM - Modular Milling Heads 高進給銑刀頭



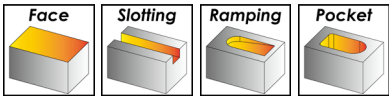
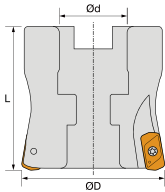
Insert Brand 建議刀片：Winstar, Tungaloy, ...

| Order No.<br>訂購編碼 | D  | L1 | d    | M   | T | Coolant Hole | Inserts  | Screw   | Wrench | Stock |
|-------------------|----|----|------|-----|---|--------------|----------|---------|--------|-------|
| ICXLNM302017080   | 17 | 26 | 8.5  | M8  | 2 |              | LNMX0303 | ITS2535 | ITK07  | ●     |
| ICXLNM303021100   | 21 | 32 | 10.5 | M10 | 3 |              |          |         |        | ●     |
| ICXLNM303021101   | 21 | 32 | 10.5 | M10 | 3 | ✓            |          |         |        | ●     |
| ICXLNM304026120   | 26 | 38 | 12.5 | M12 | 4 |              |          |         |        | ●     |
| ICXLNM304032160   | 32 | 41 | 17   | M16 | 4 |              |          |         |        | ●     |

● stock ○ by inquiry

※ For screw-in type adapter, please refer to Tooling System 搭配鎖牙式刀桿，請參考刀具系統

CXLNF - Milling Tools 高進給銑刀



Insert Brand 建議刀片 : Winstar, Tungaloy, ...

| Order No.<br>訂購編碼 | D  | L  | d  | T | Inserts  | Screw   | Wrench | Stock |
|-------------------|----|----|----|---|----------|---------|--------|-------|
| ICXLNF308050220   | 50 | 50 | 22 | 8 | LNMX0303 | ITS2535 | ITK07  | ○     |

● stock    ○ by inquiry Customize available.

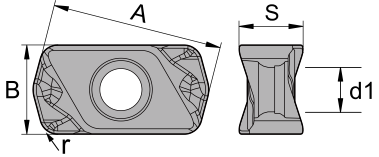
Recommended Cutting Conditions 建議切削數據

| Working Material           | Vc        | fz        | ap        |
|----------------------------|-----------|-----------|-----------|
| Carbon Steel / Alloy Steel | 120 ~ 250 | 0.4 ~ 1.6 | 0.3 ~ 0.9 |
| Stainless Steel            | 100 ~ 180 | 0.3 ~ 1.2 | 0.3 ~ 0.7 |
| Cast Iron                  | 120 ~ 250 | 0.4 ~ 1.6 | 0.3 ~ 0.9 |
| High Temperature Alloy     | 40 ~ 100  | 0.3 ~ 0.8 | 0.3 ~ 0.6 |
| Hardened Steel             | 50 ~ 100  | 0.3 ~ 1.0 | 0.3 ~ 0.6 |

Corner R Programming R 角軟體模擬設定

| Designation | Approx. R (mm) |       |  |
|-------------|----------------|-------|--|
|             | Input. R       | Uncut |  |
| LNMX0303    | 1.5            | 0.5   |  |

## Insert Specifications 刀片規格

| Insert   | Dimensions (mm) |     |      |      |  |
|----------|-----------------|-----|------|------|------------------------------------------------------------------------------------|
|          | A               | B   | S    | d1   |                                                                                    |
| LNMX0303 | 11.59           | 6.0 | 4.29 | 2.85 |                                                                                    |

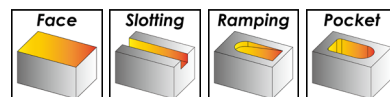
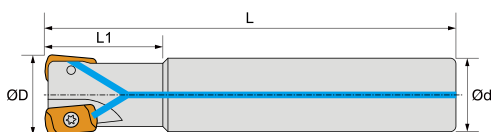
## Insert Designation 刀片型號

| Insert                                                                             | Order No.<br>訂購編碼 | Designation        | Working Material |   |   |   |   |   |
|------------------------------------------------------------------------------------|-------------------|--------------------|------------------|---|---|---|---|---|
|                                                                                    |                   |                    | P                | M | K | N | S | H |
|   | ILNMX0303SG23AX   | LNMX0303-SG-CX23AX | ○                | ○ | ○ |   | ○ | ● |
|                                                                                    | ILNMX0303SG32HS   | LNMX0303-SG-CX32HS | ●                | ● | ● |   | ○ |   |
|                                                                                    | ILNMX0303SG33TX   | LNMX0303-SG-CX33TX | ●                | ● | ● |   | ● | ● |
|                                                                                    | ILNMX0303SG43TX   | LNMX0303-SG-CX43TX | ●                | ● | ● |   | ● |   |
|  | ILNMX0303MG23AX   | LNMX0303-MG-CX23AX | ○                | ○ | ○ |   | ○ | ● |
|                                                                                    | ILNMX0303MG32HS   | LNMX0303-MG-CX32HS | ●                | ● | ● |   | ○ |   |
|                                                                                    | ILNMX0303MG33TX   | LNMX0303-MG-CX33TX | ●                | ● | ● |   | ● | ● |
|                                                                                    | ILNMX0303MG43TX   | LNMX0303-MG-CX43TX | ●                | ● | ● |   | ● |   |



- Use LOGX double-sided inserts with 4 cutting edges.
- High feed and high precision cutting edges for good surface finishing.
- 16~50mm cutter diameter, max. 0.9mm depth of cut.
- 使用 LOGX 雙面銑刀片，4 個可用切削角
- 高進給及高精度切削刀適用於高溫合金加工，並可達到優良的表面光潔度
- 16~50mm 刀桿直徑，最大切削深度可達 **0.9mm**

## CXLOE - Milling Tools 高進給銑刀



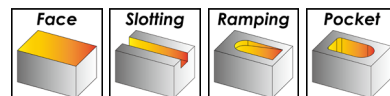
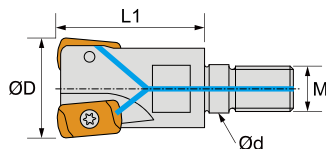
Insert Brand 建議刀片 : Winstar, Kyocera, ...

| Order No.<br>訂購編碼 | D  | L1 | L   | d  | T | Coolant<br>Hole | Inserts  | Screw   | Wrench | Stock |
|-------------------|----|----|-----|----|---|-----------------|----------|---------|--------|-------|
| ICXLOE302016150   | 16 | 30 | 150 | 16 | 2 |                 | LOGX0303 | ITS3004 | ITK08  | ●     |
| ICXLOE302016151   | 16 | 30 | 150 | 16 | 2 | ✓               |          |         |        | ●     |
| ICXLOE302017150   | 17 | 20 | 150 | 16 | 2 |                 |          |         |        | ●     |
| ICXLOE302018150   | 18 | 20 | 150 | 16 | 2 |                 |          |         |        | ●     |
| ICXLOE303020150   | 20 | 50 | 150 | 20 | 3 |                 |          |         |        | ●     |
| ICXLOE303020151   | 20 | 50 | 150 | 20 | 3 | ✓               |          |         |        | ●     |
| ICXLOE303021150   | 21 | 30 | 150 | 20 | 3 |                 |          |         |        | ●     |
| ICXLOE303022150   | 22 | 20 | 150 | 20 | 3 |                 |          |         |        | ●     |
| ICXLOE304025150   | 25 | 60 | 150 | 25 | 4 |                 |          |         |        | ●     |
| ICXLOE304025151   | 25 | 50 | 150 | 25 | 4 | ✓               |          |         |        | ●     |
| ICXLOE304026150   | 26 | 35 | 150 | 25 | 4 |                 |          |         |        | ●     |
| ICXLOE304026151   | 26 | 35 | 150 | 25 | 4 | ✓               |          |         |        | ●     |
| ICXLOE304026200   | 26 | 45 | 200 | 25 | 4 |                 |          |         |        | ●     |
| ICXLOE304028150   | 28 | 20 | 150 | 25 | 4 |                 |          |         |        | ●     |
| ICXLOE305028150   | 28 | 20 | 150 | 25 | 5 |                 |          |         |        | ●     |
| ICXLOE304030150   | 30 | 46 | 150 | 32 | 4 |                 |          |         |        | ●     |
| ICXLOE305032150   | 32 | 70 | 150 | 32 | 5 |                 |          |         |        | ●     |
| ICXLOE305033151   | 33 | 20 | 150 | 32 | 5 | ✓               |          |         |        | ●     |
| ICXLOE305033200   | 33 | 20 | 200 | 32 | 5 |                 |          |         |        | ●     |
| ICXLOE305035200   | 35 | 20 | 200 | 32 | 5 |                 |          |         |        | ●     |

● stock ○ by inquiry

Customize available.

## CXLOM - Modular Milling Heads 高進給銑刀頭



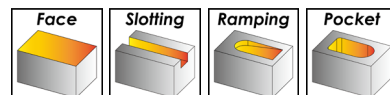
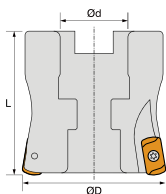
Insert Brand 建議刀片 : Winstar, Kyocera, ...

| Order No.<br>訂購編碼 | D  | L1 | d    | M   | T | Coolant<br>Hole | Inserts  | Screw   | Wrench | Stock |
|-------------------|----|----|------|-----|---|-----------------|----------|---------|--------|-------|
| ICXLOM302017081   | 17 | 25 | 8.5  | M8  | 2 | ✓               | LOGX0303 | ITS3004 | ITK08  | ●     |
| ICXLOM303021101   | 21 | 30 | 10.5 | M10 | 3 | ✓               |          |         |        | ●     |
| ICXLOM304026121   | 26 | 35 | 12.5 | M12 | 4 | ✓               |          |         |        | ●     |
| ICXLOM304035161   | 35 | 40 | 17   | M16 | 4 | ✓               |          |         |        | ●     |
| ICXLOM305035161   | 35 | 40 | 17   | M16 | 5 | ✓               |          |         |        | ●     |

● stock ○ by inquiry

※ For screw-in type adapter, please refer to Tooling System 搭配鎖牙式刀桿，請參考刀具系統

## CXLOF - Milling Tools 高進給銑刀



Insert Brand 建議刀片 : Winstar, Kyocera, ...

| Order No.<br>訂購編碼 | D  | L  | d  | T | Inserts  | Screw   | Wrench | Stock |
|-------------------|----|----|----|---|----------|---------|--------|-------|
| ICXLOF307050220   | 50 | 50 | 22 | 7 | LOGX0303 | ITS3004 | ITK08  | ●     |

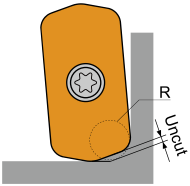
● stock ○ by inquiry

Customize available.

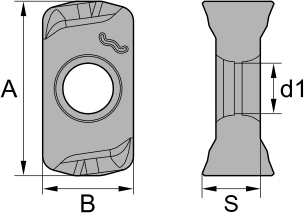
## Recommended Cutting Conditions 建議切削數據

| Working Material           | Vc        | fz        | ap        |
|----------------------------|-----------|-----------|-----------|
| Carbon Steel / Alloy Steel | 120 ~ 250 | 0.4 ~ 1.6 | 0.3 ~ 0.9 |
| Stainless Steel            | 100 ~ 180 | 0.3 ~ 1.2 | 0.3 ~ 0.7 |
| Cast Iron                  | 120 ~ 250 | 0.4 ~ 1.6 | 0.3 ~ 0.9 |
| High Temperature Alloy     | 40 ~ 100  | 0.3 ~ 0.8 | 0.3 ~ 0.6 |
| Hardened Steel             | 50 ~ 100  | 0.3 ~ 1.0 | 0.3 ~ 0.6 |

Corner R Programming R 角軟體模擬設定

| Designation | Approx. R (mm) |       |  |
|-------------|----------------|-------|-------------------------------------------------------------------------------------|
|             | Input. R       | Uncut |                                                                                     |
| LOGX030310  | 1.6            | 0.39  |                                                                                     |

Insert Specifications 刀片規格

| Insert     | Dimensions (mm) |     |      |      |  |
|------------|-----------------|-----|------|------|------------------------------------------------------------------------------------|
|            | A               | B   | S    | d1   |                                                                                    |
| LOGX030310 | 11.9            | 6.2 | 3.96 | 3.45 |                                                                                    |

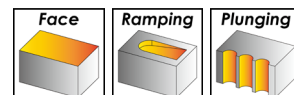
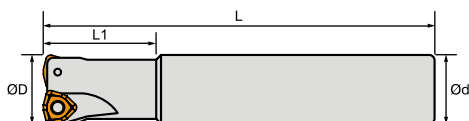
Insert Designation 刀片型號

| Insert                                                                             | Order No.<br>訂購編碼 | Designation          | Working Material |   |   |   |   |   |
|------------------------------------------------------------------------------------|-------------------|----------------------|------------------|---|---|---|---|---|
|                                                                                    |                   |                      | P                | M | K | N | S | H |
|  | ILOGX030310SG32HS | LOGX030310-SG-CX32HS | ●                | ● | ● |   | ○ |   |
|                                                                                    | ILOGX030310SG33TX | LOGX030310-SG-CX33TX | ●                | ● | ● |   | ● | ● |
|                                                                                    | ILOGX030310SG43TX | LOGX030310-SG-CX43TX | ●                | ● | ● |   | ● |   |
|  | ILOGX030310MG32HS | LOGX030310-MG-CX32HS | ●                | ● | ● |   | ○ |   |
|                                                                                    | ILOGX030310MG33TX | LOGX030310-MG-CX33TX | ●                | ● | ● |   | ● | ● |
|                                                                                    | ILOGX030310MG43TX | LOGX030310-MG-CX43TX | ●                | ● | ● |   | ● |   |



- Use WNMX double-sided inserts with 6 cutting edges.
- High feed and low cost for multi-functional applications.
- 25~160mm cutter diameter, max. 1.35mm depth of cut.
- 使用 WNMX 雙面銑刀片，6 個可用切削角
- 高進給及低成本適用於面銑、斜坡銑和插銑等多功能加工
- 25~160mm 刀桿直徑，最大切削深度可達 1.35mm

## CXWNE - Milling Tools 高進給銑刀



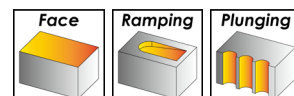
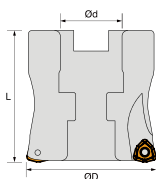
Insert Brand 建議刀片：Winstar, Korloy, ...

| Order No.<br>訂購編碼 | D  | L1 | L   | d  | T | Inserts  | Screw   | Wrench | Stock |
|-------------------|----|----|-----|----|---|----------|---------|--------|-------|
| ICXWNE902025150   | 25 | 40 | 150 | 25 | 2 | WNMX09T3 | ITS3006 | ITK10  | ●     |
| ICXWNE903032150   | 32 | 40 | 150 | 32 | 3 |          |         |        | ●     |

● stock ○ by inquiry

Customize available.

## CXWNF - Milling Tools 高進給銑刀



Insert Brand 建議刀片：Winstar, Korloy, ...

| Order No.<br>訂購編碼 | D   | L  | d  | T  | Coolant Hole | Inserts  | Screw   | Wrench | Stock |
|-------------------|-----|----|----|----|--------------|----------|---------|--------|-------|
| ICXWNF905050220   | 50  | 50 | 22 | 5  |              | WNMX09T3 | ITS3006 | ITK10  | ●     |
| ICXWNF905050221   | 50  | 50 | 22 | 5  | ✓            |          |         |        | ●     |
| ICXWNF905063220   | 63  | 50 | 22 | 5  |              |          |         |        | ●     |
| ICXWNF905063221   | 63  | 50 | 22 | 5  | ✓            |          |         |        | ●     |
| ICXWNF305063220   | 63  | 50 | 22 | 5  |              | WNMX1305 | ITS4006 | ITK15  | ●     |
| ICXWNF307080270   | 80  | 50 | 27 | 7  |              |          |         |        | ●     |
| ICXWNF310160400   | 160 | 63 | 40 | 10 |              |          |         |        | ●     |

● stock ○ by inquiry

Customize available.

**Recommended Cutting Conditions** 建議切削數據

**WNMX09T3**

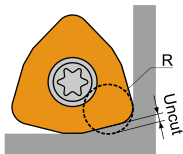
| Working Material           | Vc        | fz        | ap         |
|----------------------------|-----------|-----------|------------|
| Carbon Steel / Alloy Steel | 120 ~ 250 | 0.4 ~ 1.5 | 0.4 ~ 1.35 |
| Stainless Steel            | 100 ~ 180 | 0.4 ~ 1.2 | 0.4 ~ 1.0  |
| Cast Iron                  | 120 ~ 250 | 0.4 ~ 1.5 | 0.4 ~ 1.35 |
| High Temperature Alloy     | 40 ~ 100  | 0.4 ~ 1.0 | 0.4 ~ 1.0  |
| Hardened Steel             | 50 ~ 100  | 0.4 ~ 1.1 | 0.4 ~ 1.0  |

**WNMX1305**

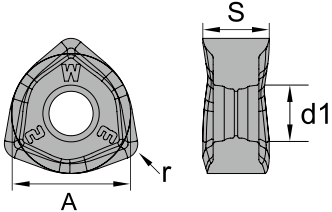
| Working Material           | Vc        | fz        | ap        |
|----------------------------|-----------|-----------|-----------|
| Carbon Steel / Alloy Steel | 120 ~ 250 | 0.4 ~ 3.0 | 0.4 ~ 1.7 |
| Stainless Steel            | 100 ~ 180 | 0.3 ~ 2.0 | 0.4 ~ 1.4 |
| Cast Iron                  | 120 ~ 250 | 0.4 ~ 3.0 | 0.4 ~ 1.7 |
| High Temperature Alloy     | 40 ~ 100  | 0.3 ~ 1.6 | 0.4 ~ 1.3 |
| Hardened Steel             | 50 ~ 100  | 0.3 ~ 2.0 | 0.4 ~ 1.3 |

**Corner R Programming** R 角軟體模擬設定

| Designation | Approx. R (mm) |       |
|-------------|----------------|-------|
|             | Input. R       | Uncut |
| WNMX09T3    | 2.5            | 0.6   |
| WNMX1305    | 3.0            | 1.0   |



Insert Specifications 刀片規格

| Insert   | Dimensions (mm) |      |     |     |  |
|----------|-----------------|------|-----|-----|------------------------------------------------------------------------------------|
|          | A               | S    | r   | d1  |                                                                                    |
| WNMX09T3 | 9.525           | 3.97 | 1.6 | 3.6 |                                                                                    |
| WNMX1305 | 12.7            | 6.0  | 1.6 | 4.7 |                                                                                    |

Insert Designation 刀片型號

| Insert                                                                              | Order No.<br>訂購編碼 | Designation          | Working Material |   |   |   |   |   |
|-------------------------------------------------------------------------------------|-------------------|----------------------|------------------|---|---|---|---|---|
|                                                                                     |                   |                      | P                | M | K | N | S | H |
|    | IWNMX09T316MG23AX | WNMX09T316-MG-CX23AX | ○                | ○ | ○ |   | ○ | ● |
|                                                                                     | IWNMX09T316MG32HS | WNMX09T316-MG-CX32HS | ●                | ● | ● |   | ○ |   |
|                                                                                     | IWNMX09T316MG33TX | WNMX09T316-MG-CX33TX | ●                | ● | ● |   | ● | ● |
|                                                                                     | IWNMX09T316MG43TX | WNMX09T316-MG-CX43TX | ●                | ● | ● |   | ● |   |
|                                                                                     | IWNMX09T316MG37TA | WNMX09T316-MG-CX37TA | ○                | ○ | ● |   | ○ | ○ |
|  | IWNMX09T316RG23AX | WNMX09T316-RG-CX23AX | ○                | ○ | ○ |   | ○ | ● |
|                                                                                     | IWNMX09T316RG32HS | WNMX09T316-RG-CX32HS | ●                | ● | ● |   | ○ |   |
|                                                                                     | IWNMX09T316RG33TX | WNMX09T316-RG-CX33TX | ●                | ● | ● |   | ● | ● |
|                                                                                     | IWNMX09T316RG43TX | WNMX09T316-RG-CX43TX | ●                | ● | ● |   | ● |   |
|                                                                                     | IWNMX09T316RG37TA | WNMX09T316-RG-CX37TA | ○                | ○ | ● |   | ○ | ○ |
|  | IWNMX130516MG23AX | WNMX130516-MG-CX23AX | ○                | ○ | ○ |   | ○ | ● |
|                                                                                     | IWNMX130516MG32HS | WNMX130516-MG-CX32HS | ●                | ● | ● |   | ○ |   |
|                                                                                     | IWNMX130516MG33TX | WNMX130516-MG-CX33TX | ●                | ● | ● |   | ● | ● |
|                                                                                     | IWNMX130516MG43TX | WNMX130516-MG-CX43TX | ●                | ● | ● |   | ● |   |
|                                                                                     | IWNMX130516MG37TA | WNMX130516-MG-CX37TA | ○                | ○ | ● |   | ○ | ○ |
|                                                                                     | IWNMX130516MG47TA | WNMX130516-MG-CX47TA | ●                | ● | ○ |   | ● | ○ |

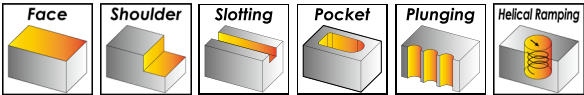
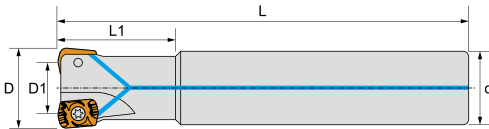
**High Feed Milling - CALP**

高進給銑刀



- Use LPGX inserts with 2 cutting edges.
- High feed and small size cutter for replacing solid carbide tools.
- 8~16mm cutter diameter, max. 0.5mm depth of cut.
- 使用 LPGX 銑刀片，2 個可用切削角
- 高進給及小尺寸刀具可取代全鎢鋼刀具，適用於廣泛的加工及材質應用
- 8~16mm 刀桿直徑，最大切削深度可達 0.5mm

**CALPE - Milling Tools 高進給銑刀**



Insert Brand 建議刀片 : Winstar, Kyocera, ...

| Order No.<br>訂購編碼 | D  | D1   | L1 | L  | d  | T | Coolant Hole | Inserts  | Screw    | Wrench | Stock |
|-------------------|----|------|----|----|----|---|--------------|----------|----------|--------|-------|
| ICALPE101008080   | 8  | 4.2  | 16 | 80 | 10 | 1 |              | LPGX0102 | IMS1804A | ITK06  | ●     |
| ICALPE101008081   | 8  | 4.2  | 16 | 80 | 10 | 1 | ✓            |          |          |        | ●     |
| ICALPE102010080   | 10 | 6.2  | 20 | 80 | 10 | 2 |              |          |          |        | ●     |
| ICALPE102010081   | 10 | 6.2  | 20 | 80 | 10 | 2 | ✓            |          |          |        | ●     |
| ICALPE103012080   | 12 | 8.2  | 20 | 80 | 12 | 3 |              |          |          |        | ●     |
| ICALPE103012081   | 12 | 8.2  | 20 | 80 | 12 | 3 | ✓            |          |          |        | ●     |
| ICALPE104016090   | 16 | 12.2 | 20 | 90 | 16 | 4 |              |          |          |        | ●     |
| ICALPE104016091   | 16 | 12.2 | 20 | 90 | 16 | 4 | ✓            |          |          |        | ●     |

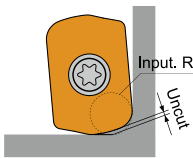
● stock    ○ by inquiry

Customize available.

**Recommended Cutting Conditions 建議切削數據**

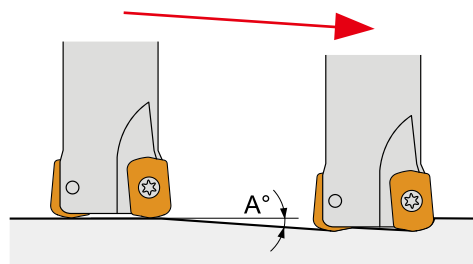
| Working Material           | Vc        | fz        | ap        |
|----------------------------|-----------|-----------|-----------|
| Carbon Steel / Alloy Steel | 120 ~ 250 | 0.2 ~ 0.8 | 0.2 ~ 0.5 |
| Stainless Steel            | 100 ~ 180 | 0.2 ~ 0.6 | 0.2 ~ 0.4 |
| Cast Iron                  | 120 ~ 250 | 0.2 ~ 0.8 | 0.2 ~ 0.5 |
| High Temperature Alloy     | 40 ~ 100  | 0.2 ~ 0.4 | 0.2 ~ 0.3 |
| Hardened Steel             | 50 ~ 100  | 0.2 ~ 0.5 | 0.2 ~ 0.3 |

**Corner R Programming** R 角軟體模擬設定

| Designation | Approx. R (mm) |       |  |
|-------------|----------------|-------|-------------------------------------------------------------------------------------|
|             | Input. R       | Uncut |                                                                                     |
| LPGX0102    | 1.2            | 0.17  |                                                                                     |

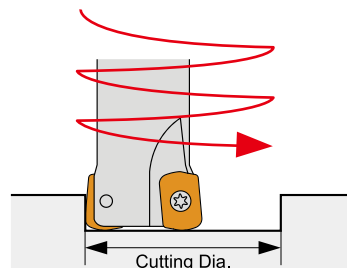
**For Ramping** 斜坡加工

| Cutter Dia. (mm) | Max. ramping angle (A°) | tan (A°) |
|------------------|-------------------------|----------|
| 10               | 3.0°                    | 0.052    |
| 11               | 2.5°                    | 0.044    |
| 12               | 2.0°                    | 0.035    |
| 16               | 1.2°                    | 0.021    |
| 17               | 1.0°                    | 0.017    |

**For Helical Milling** 螺旋加工

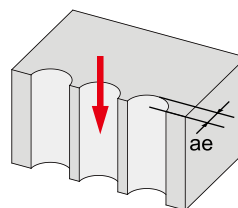
| Mini Cutting Dia.     | Max Cutting Dia.    |
|-----------------------|---------------------|
| 2 × Cutter Dia. - 3.5 | 2 × Cutter Dia. - 2 |

※ Do not exceed the Max Cutting Dia and lower than the Mini Cutting Dia.

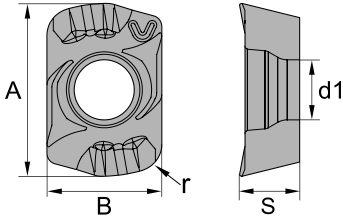
**For Plunging** 垂直加工

| Max. ae |
|---------|
| 1.7mm   |

※ Reduce feed rate to fz=0.2mm/t or less.



Insert Specifications 刀片規格

| Insert   | Dimensions (mm) |      |      |     |     |  |
|----------|-----------------|------|------|-----|-----|------------------------------------------------------------------------------------|
|          | A               | B    | S    | r   | d1  |                                                                                    |
| LPGX0102 | 6.26            | 4.19 | 2.19 | 1.0 | 2.2 |                                                                                    |

※ Suitable for M2.0 or M1.8 screw.

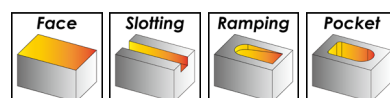
Insert Designation 刀片型號

| Insert                                                                             | Order No.<br>訂購編碼 | Designation        | Working Material |   |   |   |   |   |
|------------------------------------------------------------------------------------|-------------------|--------------------|------------------|---|---|---|---|---|
|                                                                                    |                   |                    | P                | M | K | N | S | H |
|   | ILPGX0102SG33TX   | LPGX0102-SG-CX33TX | ●                | ● | ● |   | ● | ● |
|                                                                                    | ILPGX0102SG43TX   | LPGX0102-SG-CX43TX | ●                | ● | ● |   | ● |   |
|                                                                                    |                   |                    |                  |   |   |   |   |   |
|  | ILPGX0102MG33TX   | LPGX0102-MG-CX33TX | ●                | ● | ● |   | ● | ● |
|                                                                                    | ILPGX0102MG43TX   | LPGX0102-MG-CX43TX | ●                | ● | ● |   | ● |   |
|                                                                                    |                   |                    |                  |   |   |   |   |   |



- Use JDMT or JDMW inserts with 3 cutting edges.
- High feed and high rigidity cutting edge for wide range applications.
- 32~100mm cutter diameter, max. 2mm depth of cut.
- 使用 JDMT 或 JDMW 銑刀片, 3 個可用切削角
- 高進給及高剛性切削刀口適用於各種材料和應用
- 32~100mm 刀桿直徑, 最大切削深度可達 2mm

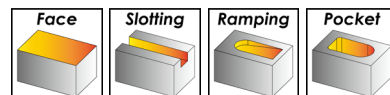
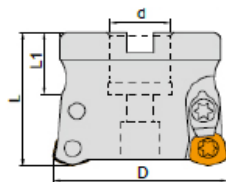
## CAJXE - Milling Tools 高進給銑刀



Insert Brand 建議刀片: Winstar, Mitsubishi, ...

| Order No.<br>訂購編碼 | D  | L1 | L   | d  | T | Inserts  | Screw   | Wrench | Clamp | Clamp Screw | Stock |
|-------------------|----|----|-----|----|---|----------|---------|--------|-------|-------------|-------|
| ICAJXE202032150   | 32 | 35 | 150 | 32 | 2 | JDMW1204 | ITS4008 | ITK15  | IAS04 | IAJ4012     | ●     |

## CAJXF - Milling Tools 高進給銑刀



Insert Brand 建議刀片: Winstar, Mitsubishi, ...

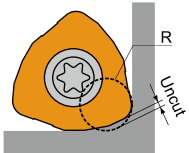
| Order No.<br>訂購編碼 | D   | L1 | L  | d  | T | Inserts              | Screw   | Wrench | Clamp | Clamp Screw | Stock |
|-------------------|-----|----|----|----|---|----------------------|---------|--------|-------|-------------|-------|
| ICAJXF204050220   | 50  | 23 | 45 | 22 | 4 | JDMW1204             | ITS4008 | ITK15  | IAS04 | IAJ4012     | ●     |
| ICAJXF205063220   | 63  | 23 | 50 | 22 | 5 |                      |         |        |       |             | ●     |
| ICAJXF206080270   | 80  | 26 | 55 | 27 | 6 |                      |         |        |       |             | ●     |
| ICAJXF404063220   | 63  | 23 | 50 | 22 | 4 | JDMW1405<br>JDMT1405 | ITS5001 | ITK20  | IAS05 | IAJ5014     | ●     |
| ICAJXF405080270   | 80  | 26 | 55 | 27 | 5 |                      |         |        |       |             | ●     |
| ICAJXF406100320   | 100 | 32 | 55 | 32 | 6 |                      |         |        |       |             | ●     |

● stock ○ by inquiry

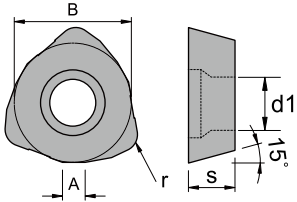
## Recommended Cutting Conditions 建議切削數據

| Working Material           | JDMW1204  |           |           | JDMW1405  |           |           |
|----------------------------|-----------|-----------|-----------|-----------|-----------|-----------|
|                            | Vc        | fz        | ap        | Vc        | fz        | ap        |
| Carbon Steel / Alloy Steel | 120 ~ 250 | 0.8 ~ 1.3 | 0.3 ~ 1.5 | 120 ~ 250 | 0.8 ~ 1.8 | 0.5 ~ 2.0 |
| Stainless Steel            | 100 ~ 180 | 0.6 ~ 1.0 | 0.3 ~ 1.0 | 100 ~ 180 | 0.6 ~ 1.2 | 0.5 ~ 1.5 |
| Cast Iron                  | 120 ~ 250 | 0.8 ~ 1.3 | 0.3 ~ 1.5 | 120 ~ 250 | 0.8 ~ 1.8 | 0.5 ~ 2.0 |
| High Temperature Alloy     | 40 ~ 100  | 0.5 ~ 1.0 | 0.3 ~ 1.0 | 40 ~ 100  | 0.5 ~ 1.2 | 0.5 ~ 1.5 |
| Hardened Steel             | 50 ~ 100  | 0.5 ~ 1.0 | 0.3 ~ 1.0 | 50 ~ 100  | 0.5 ~ 1.2 | 0.5 ~ 1.5 |

Corner R Programming R 角軟體模擬設定

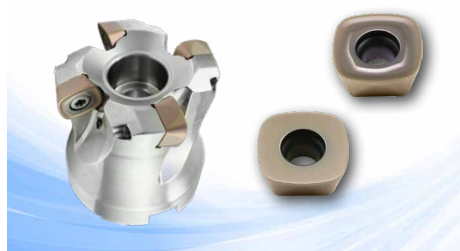
| Designation     | Approx. R (mm) |       |  |
|-----------------|----------------|-------|-------------------------------------------------------------------------------------|
|                 | Input. R       | Uncut |                                                                                     |
| JDMW1204        | 3.0            | 0.63  |                                                                                     |
| JDMW / JDMT1405 | 3.0            | 0.64  |                                                                                     |

Insert Specifications 刀片規格

| Insert   | Dimensions (mm) |      |      |     |      |  |
|----------|-----------------|------|------|-----|------|------------------------------------------------------------------------------------|
|          | A               | B    | S    | r   | d1   |                                                                                    |
| JDMW1204 | 2.5             | 12.0 | 4.76 | 2.0 | 4.75 |                                                                                    |
| JDMW1405 | 2.8             | 1.4  | 5.56 | 2.0 | 5.75 |                                                                                    |
| JDMT1405 | 2.8             | 1.4  | 5.56 | 2.0 | 5.75 |                                                                                    |

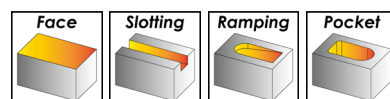
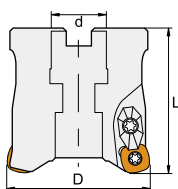
Insert Designation 刀片型號

| Insert                                                                              | Order No.<br>訂購編碼  | Designation              | Working Material |   |   |   |   |   |
|-------------------------------------------------------------------------------------|--------------------|--------------------------|------------------|---|---|---|---|---|
|                                                                                     |                    |                          | P                | M | K | N | S | H |
|  | IJDMW120420SMG23AX | JDMW120420ZDSR-MG-CX23AX | ○                | ○ | ○ |   | ○ | ● |
|                                                                                     | IJDMW120420SMG32HS | JDMW120420ZDSR-MG-CX32HS | ●                | ● | ● |   | ○ |   |
|                                                                                     | IJDMW120420SMG33TX | JDMW120420ZDSR-MG-CX33TX | ●                | ● | ● |   | ● | ● |
|                                                                                     | IJDMW120420SMG43TX | JDMW120420ZDSR-MG-CX43TX | ●                | ● | ● |   | ● |   |
|  | IJDMW120420SRG23AX | JDMW120420ZDSR-RG-CX23AX | ○                | ○ | ○ |   | ○ | ● |
|                                                                                     | IJDMW120420SRG32HS | JDMW120420ZDSR-RG-CX32HS | ●                | ● | ● |   | ○ |   |
|                                                                                     | IJDMW120420SRG33TX | JDMW120420ZDSR-RG-CX33TX | ●                | ● | ● |   | ● | ● |
|                                                                                     | IJDMW120420SRG43TX | JDMW120420ZDSR-RG-CX43TX | ●                | ● | ● |   | ● |   |
|                                                                                     | IJDMW120420SRG37TA | JDMW120420ZDSR-RG-CX37TA | ○                | ○ | ● |   | ○ | ○ |
|  | IJDMW140520SMG32HS | JDMW140520ZDSR-MG-CX32HS | ●                | ● | ● |   | ○ |   |
|                                                                                     | IJDMW140520SMG33TX | JDMW140520ZDSR-MG-CX33TX | ●                | ● | ● |   | ● | ● |
|  | IJDMW140520SRG32HS | JDMW140520ZDSR-RG-CX32HS | ●                | ● | ● |   | ○ |   |
|                                                                                     | IJDMW140520SRG33TX | JDMW140520ZDSR-RG-CX33TX | ●                | ● | ● |   | ● | ● |
|                                                                                     | IJDMW140520SRG37TA | JDMW140520ZDSR-RG-CX37TA | ○                | ○ | ● |   | ○ | ○ |
|  | IJDMT140520SMG32HS | JDMT140520ZDSR-MG-CX32HS | ●                | ● | ● |   | ○ |   |
|                                                                                     | IJDMT140520SMG33TX | JDMT140520ZDSR-MG-CX33TX | ●                | ● | ● |   | ● | ● |
|                                                                                     | IJDMT140520SMG43TX | JDMT140520ZDSR-MG-CX43TX | ●                | ● | ● |   | ● |   |



- Use SDMT or SDNW inserts with 4 cutting edges.
- High feed and more economical for wide range applications.
- 50~80mm cutter diameter, max. 1.5mm depth of cut.
- 使用 SDMT 或 SDNW 銑刀片, 4 個可用切削角
- 高進給、高經濟及高剛性切削刀口適用於各種材料和應用
- 50~80mm 刀盤直徑, 最大切削深度可達 1.5mm

## CASRF - Milling Tools 高進給銑刀



Insert Brand 建議刀片 : Winstar, Hitachi, ...

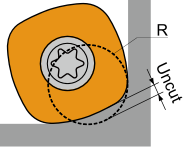
| Order No.<br>訂購編碼 | D  | L     | d  | T | Inserts              | Screw    | Wrench | Clamp  | Clamp Screw | Stock |
|-------------------|----|-------|----|---|----------------------|----------|--------|--------|-------------|-------|
| ICASRF203050220   | 50 | 22    | 50 | 3 | SDMT1205<br>SDNW1205 | IMS4011A | ITF15  | IYR-06 | IMS4008ES   | ●     |
| ICASRF204050220   | 50 | 22    | 50 | 4 |                      |          |        |        |             | ●     |
| ICASRF203063220   | 63 | 22    | 50 | 3 |                      |          |        |        |             | ●     |
| ICASRF204063220   | 63 | 22    | 50 | 4 |                      |          |        |        |             | ●     |
| ICASRF204080310   | 80 | 31.75 | 55 | 4 |                      |          |        |        |             | ●     |
| ICASRF204080320   | 80 | 32    | 55 | 4 |                      |          |        |        |             | ●     |
| ICASRF205080310   | 80 | 31.75 | 55 | 5 |                      |          |        |        |             | ●     |
| ICASRF205080320   | 80 | 32    | 55 | 5 |                      |          |        |        |             | ●     |

● stock ○ by inquiry

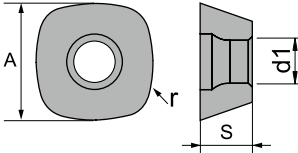
## Recommended Cutting Conditions 建議切削數據

| Working Material           | Vc        | fz        | ap        |
|----------------------------|-----------|-----------|-----------|
| Carbon Steel / Alloy Steel | 120 ~ 250 | 0.8 ~ 1.8 | 0.3 ~ 1.5 |
| Stainless Steel            | 100 ~ 180 | 0.6 ~ 1.2 | 0.3 ~ 1.0 |
| Cast Iron                  | 120 ~ 250 | 0.8 ~ 1.8 | 0.3 ~ 1.5 |
| High Temperature Alloy     | 40 ~ 100  | 0.5 ~ 1.2 | 0.3 ~ 1.0 |
| Hardened Steel             | 50 ~ 100  | 0.5 ~ 1.2 | 0.3 ~ 1.0 |

Corner R Programming R 角軟體模擬設定

| Designation         | Approx. R (mm) |       |  |
|---------------------|----------------|-------|-------------------------------------------------------------------------------------|
|                     | Input. R       | Uncut |                                                                                     |
| SDMT1205 / SDNW1205 | 4.5            | 0.83  |                                                                                     |

Insert Specifications 刀片規格

| Insert   | Dimensions (mm) |      |    |     |  |
|----------|-----------------|------|----|-----|------------------------------------------------------------------------------------|
|          | A               | S    | r  | d1  |                                                                                    |
| SDMT1205 | 12.7            | 5.56 | 15 | 4.6 |                                                                                    |
| SDNW1205 | 12.7            | 5.56 | 15 | 4.6 |                                                                                    |

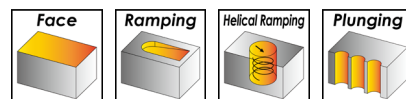
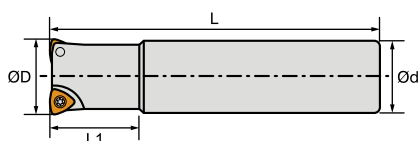
Insert Designation 刀片型號

| Insert                                                                              | Order No.<br>訂購編碼   | Designation            | Working Material |   |   |   |   |   |
|-------------------------------------------------------------------------------------|---------------------|------------------------|------------------|---|---|---|---|---|
|                                                                                     |                     |                        | P                | M | K | N | S | H |
|  | ISDMT1205ZDSNMG23AX | SDMT1205ZDSN-MG-CX23AX | ○                | ○ | ○ |   | ○ | ● |
|                                                                                     | ISDMT1205ZDSNMG32HS | SDMT1205ZDSN-MG-CX32HS | ●                | ● | ● |   | ○ |   |
|                                                                                     | ISDMT1205ZDSNMG33TX | SDMT1205ZDSN-MG-CX33TX | ●                | ● | ● |   | ● | ● |
|                                                                                     | ISDMT1205ZDSNMG43TX | SDMT1205ZDSN-MG-CX43TX | ●                | ● | ● |   | ● |   |
|  | ISDMT1205ZDTNMG23AX | SDMT1205ZDTN-MG-CX23AX | ○                | ○ | ○ |   | ○ | ● |
|                                                                                     | ISDMT1205ZDTNMG32HS | SDMT1205ZDTN-MG-CX32HS | ●                | ● | ● |   | ○ |   |
|                                                                                     | ISDMT1205ZDTNMG33TX | SDMT1205ZDTN-MG-CX33TX | ●                | ● | ● |   | ● | ● |
|                                                                                     | ISDMT1205ZDTNMG43TX | SDMT1205ZDTN-MG-CX43TX | ●                | ● | ● |   | ● |   |
|  | ISDMT1205ZDTNRG23AX | SDMT1205ZDTN-RG-CX23AX | ○                | ○ | ○ |   | ○ | ● |
|                                                                                     | ISDMT1205ZDTNRG32HS | SDMT1205ZDTN-RG-CX32HS | ●                | ● | ● |   | ○ |   |
|                                                                                     | ISDMT1205ZDTNRG33TX | SDMT1205ZDTN-RG-CX33TX | ●                | ● | ● |   | ● | ● |
|                                                                                     | ISDMT1205ZDTNRG43TX | SDMT1205ZDTN-RG-CX43TX | ●                | ● | ● |   | ● |   |
|  | ISDNW1205ZDSNMG32HS | SDNW1205ZDSN-MG-CX32HS | ●                | ● | ● |   | ○ |   |
|                                                                                     | ISDNW1205ZDSNMG33TX | SDNW1205ZDSN-MG-CX33TX | ●                | ● | ● |   | ● | ● |
|  | ISDNW1205ZDTNRG23AX | SDNW1205ZDTN-RG-CX23AX | ○                | ○ | ○ |   | ○ | ● |
|                                                                                     | ISDNW1205ZDTNRG32HS | SDNW1205ZDTN-RG-CX32HS | ●                | ● | ● |   | ○ |   |
|                                                                                     | ISDNW1205ZDTNRG33TX | SDNW1205ZDTN-RG-CX33TX | ●                | ● | ● |   | ● | ● |
|                                                                                     | ISDNW1205ZDTNRG43TX | SDNW1205ZDTN-RG-CX43TX | ●                | ● | ● |   | ● |   |
|                                                                                     | ISDNW1205ZDTNRG37TA | SDNW1205ZDTN-RG-CX37TA | ○                | ○ | ● |   | ○ | ○ |



- Use WP26 inserts with 3 cutting edges.
- High feed and high rigidity negative designed for hardened steel.
- 32~160mm cutter diameter, max. 2mm depth of cut.
- 使用 WP26 銑刀片, 3 個可用切削角
- 高進給及高剛性負角設計, 適用於較硬材料加工
- 32~160mm 刀桿直徑, 最大切削深度可達 2mm

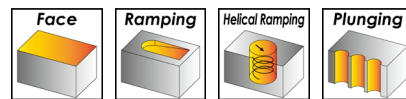
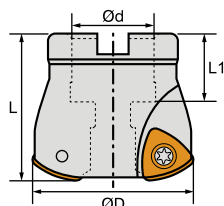
## CF23E - Milling Tools 高進給銑刀



Insert Brand 建議刀片 : Winstar, Walter, ...

| Order No.<br>訂購編碼 | D  | L1 | L   | d  | T | Inserts    | Screw   | Wrench | Stock |
|-------------------|----|----|-----|----|---|------------|---------|--------|-------|
| ICF23E203032150   | 32 | 28 | 150 | 32 | 3 | WP26339R14 | ITS4005 | ITK15  | ○     |
| ICF23E203035180   | 35 | 40 | 180 | 32 | 3 |            |         |        | ○     |
| ICF23E203035230   | 35 | 40 | 230 | 32 | 3 |            |         |        | ●     |
| ICF23E204040200   | 40 | 40 | 200 | 32 | 4 |            |         |        | ○     |
| ICF23E202040200   | 40 | 45 | 200 | 32 | 2 | WP26379R25 | ITS5002 | ITK20  | ○     |
| ICF23E203050200   | 50 | 45 | 200 | 32 | 3 |            |         |        | ○     |

## CF23F - Milling Tools 高進給銑刀



Insert Brand 建議刀片 : Winstar, Walter, ...

| Order No.<br>訂購編碼 | D   | L1 | L  | d  | T | Inserts    | Screw   | Wrench | Stock |
|-------------------|-----|----|----|----|---|------------|---------|--------|-------|
| ICF23F203050220   | 50  | 21 | 50 | 22 | 3 | WP26379R25 | ITS5002 | ITK20  | ●     |
| ICF23F204063220   | 63  | 21 | 50 | 22 | 4 |            |         |        | ○     |
| ICF23F205080270   | 80  | 23 | 50 | 27 | 5 |            |         |        | ○     |
| ICF23F206100320   | 100 | 26 | 50 | 32 | 6 |            |         |        | ●     |
| ICF23F207125400   | 125 | 38 | 63 | 40 | 7 |            |         |        | ○     |
| ICF23F208160400   | 160 | 38 | 63 | 40 | 8 |            |         |        | ●     |

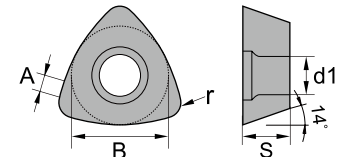
● stock ○ by inquiry

Customize available.

Recommended Cutting Conditions 建議切削數據

| Working Material           | WP26339R14 |           |           | WP26379R25 |           |           |
|----------------------------|------------|-----------|-----------|------------|-----------|-----------|
|                            | Vc         | fz        | ap        | Vc         | fz        | ap        |
| Carbon Steel / Alloy Steel | 120 ~ 250  | 0.4 ~ 1.5 | 0.4 ~ 1.5 | 120 ~ 250  | 0.4 ~ 3.0 | 0.4 ~ 2.0 |
| Stainless Steel            | 100 ~ 180  | 0.4 ~ 1.2 | 0.4 ~ 1.0 | 100 ~ 180  | 0.4 ~ 2.0 | 0.4 ~ 1.4 |
| Cast Iron                  | 120 ~ 250  | 0.4 ~ 1.5 | 0.4 ~ 1.5 | 120 ~ 250  | 0.4 ~ 3.0 | 0.4 ~ 2.0 |
| High Temperature Alloy     | 40 ~ 100   | 0.4 ~ 1.0 | 0.4 ~ 1.0 | 40 ~ 100   | 0.4 ~ 1.6 | 0.4 ~ 1.2 |

Insert Specifications 刀片規格

| Insert     | Dimensions (mm) |      |      |     |     |  |
|------------|-----------------|------|------|-----|-----|------------------------------------------------------------------------------------|
|            | A               | B    | S    | r   | d1  |                                                                                    |
| WP26339R14 | -               | 9.52 | 3.97 | 1.2 | 4.4 |                                                                                    |
| WP26379R25 | 1.1             | 13   | 5.56 | 2.0 | 5.5 |                                                                                    |

Insert Designation 刀片型號

| Insert                                                                              | Order No.<br>訂購編碼 | Designation          | Working Material |   |   |   |   |   |
|-------------------------------------------------------------------------------------|-------------------|----------------------|------------------|---|---|---|---|---|
|                                                                                     |                   |                      | P                | M | K | N | S | H |
|  | IWP26314RG23AX    | WP26339R14-RG-CX23AX | ○                | ○ | ○ |   | ○ | ● |
|                                                                                     | IWP26314RG32HS    | WP26339R14-RG-CX32HS | ●                | ● | ● |   | ○ |   |
|                                                                                     | IWP26314RG33TX    | WP26339R14-RG-CX33TX | ●                | ● | ● |   | ● | ● |
|                                                                                     | IWP26314RG43TX    | WP26339R14-RG-CX43TX | ●                | ● | ● |   | ● |   |
|  | IWP26725RG23AX    | WP26379R25-RG-CX23AX | ○                | ○ | ○ |   | ○ | ● |
|                                                                                     | IWP26725RG32HS    | WP26379R25-RG-CX32HS | ●                | ● | ● |   | ○ |   |
|                                                                                     | IWP26725RG33TX    | WP26379R25-RG-CX33TX | ●                | ● | ● |   | ● | ● |
|                                                                                     | IWP26725RG43TX    | WP26379R25-RG-CX43TX | ●                | ● | ● |   | ● |   |

Indexable Milling