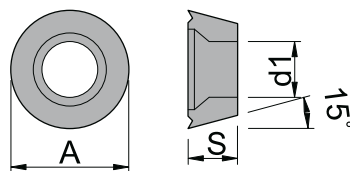


Insert Specifications

| Insert | Dimensions (mm) | | |
|----------|-----------------|------|------|
| | A | S | d1 |
| RDKW0501 | 5 | 1.59 | 2.2 |
| RDKW0702 | 7 | 2.38 | 2.8 |
| RDMT1003 | 10 | 3.18 | 3.9 |
| RDMX1003 | 10 | 3.18 | 4.15 |
| RDMT10T3 | 10 | 3.97 | 4.5 |
| RDMW10T3 | 10 | 3.97 | 4.5 |
| RDMT12T3 | 12 | 3.97 | 4.1 |
| RDMX12T3 | 12 | 3.97 | 4.1 |
| RDMT1204 | 12 | 4.76 | 4.4 |
| RDMW1204 | 12 | 4.76 | 4.4 |
| RDMT1604 | 16 | 4.76 | 5.5 |
| RDMW1604 | 16 | 4.76 | 5.5 |



Insert Order Code

| Insert | Order No. 訂購編碼 | Designation | Working Material | | | | | |
|--------|-------------------|--------------------|------------------|---|---|---|---|---|
| | | | P | M | K | N | S | H |
| | IRDKW0501MOE22HS | RDKW0501MOE-CX22HS | ● | ○ | ● | | ○ | ● |
| | IRDKW0501MOE32HS | RDKW0501MOE-CX32HS | ● | ● | ● | | ○ | ○ |
| | IRDKW0501MOE43TS | RDKW0501MOE-CX43TS | ● | ● | ● | | ● | |
| | IRDKW0702MO22HS | RDKW0702MO-CX22HS | ● | ○ | ● | | ○ | ● |
| | IRDKW0702MO32HS | RDKW0702MO-CX32HS | ● | ● | ● | | ○ | ○ |
| | | | | | | | | |
| | IRDKW0702MOE22HS | RDKW0702MOE-CX22HS | ● | ○ | ● | | ○ | ● |
| | IRDKW0702MOE32HS | RDKW0702MOE-CX32HS | ● | ● | ● | | ○ | ○ |
| | IRDKW0702MOE43TS | RDKW0702MOE-CX43TS | ● | ● | ● | | ● | |
| | IRDKW0702MOT22HS | RDKW0702MOT-CX22HS | ● | ○ | ● | | ○ | ● |
| | IRDKW0702MOT32HS | RDKW0702MOT-CX32HS | ● | ● | ● | | ○ | ○ |
| | | | | | | | | |

Insert Order Code

Indexable Milling Tools

| Insert | Order No. 訂購編碼 | Designation | Working Material | | | | | |
|--------|-------------------|--------------------|------------------|---|---|---|---|---|
| | | | P | M | K | N | S | H |
| | IRDMT1003MOE22HS | RDMT1003MOE-CX22HS | ● | ○ | ● | | ○ | ● |
| | IRDMT1003MOE32HS | RDMT1003MOE-CX32HS | ● | ● | ● | | ○ | ○ |
| | IRDMT1003MOT22HS | RDMT1003MOT-CX22HS | ● | ○ | ● | | ○ | ● |
| | IRDMT1003MOT32HS | RDMT1003MOT-CX32HS | ● | ● | ● | | ○ | ○ |
| | IRDMX1003MOE22HS | RDMX1003MOE-CX22HS | ● | ○ | ● | | ○ | ● |
| | IRDMX1003MOE32HS | RDMX1003MOE-CX32HS | ● | ● | ● | | ○ | ○ |
| | IRDMX1003MOE43TS | RDMX1003MOE-CX43TS | ● | ● | ● | | ● | |
| | IRDMX1003MOT22HS | RDMX1003MOT-CX22HS | ● | ○ | ● | | ○ | ● |
| | IRDMX1003MOT32HS | RDMX1003MOT-CX32HS | ● | ● | ● | | ○ | ○ |
| | IRDMX1003MOT43TS | RDMX1003MOT-CX43TS | ● | ● | ● | | ● | |
| | IRDMT10T3MOE22HS | RDMT10T3MOE-CX22HS | ● | ○ | ● | | ○ | ● |
| | IRDMT10T3MOE32HS | RDMT10T3MOE-CX32HS | ● | ● | ● | | ○ | ○ |
| | IRDMT10T3MOE43TS | RDMT10T3MOE-CX43TS | ● | ● | ● | | ● | |
| | IRDMT10T3MOT32HS | RDMT10T3MOT-CX32HS | ● | ● | ● | | ○ | ○ |
| | IRDMT10T3MOT43TS | RDMT10T3MOT-CX43TS | ● | ● | ● | | ● | |
| | IRDMW10T3MOE32HS | RDMW10T3MOE-CX32HS | ● | ● | ● | | ○ | ○ |
| | | | | | | | | |
| | IRDMT12T3MOE32HS | RDMT12T3MOE-CX32HS | ● | ● | ● | | ○ | ○ |
| | | | | | | | | |
| | IRDMX12T3MOE22HS | RDMX12T3MOE-CX22HS | ● | ○ | ● | | ○ | ● |
| | IRDMX12T3MOE32HS | RDMX12T3MOE-CX32HS | ● | ● | ● | | ○ | ○ |
| | IRDMX12T3MOE43TS | RDMX12T3MOE-CX43TS | ● | ● | ● | | ● | |
| | IRDMX12T3MOT22HS | RDMX12T3MOT-CX22HS | ● | ○ | ● | | ○ | ● |
| | IRDMX12T3MOT32HS | RDMX12T3MOT-CX32HS | ● | ● | ● | | ○ | ○ |
| | IRDMX12T3MOT43TS | RDMX12T3MOT-CX43TS | ● | ● | ● | | ● | |

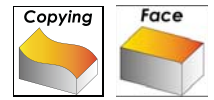
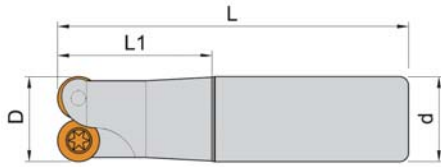
Insert Order Code

| Insert | Order No. 訂購編碼 | Designation | Working Material | | | | | |
|--------|-------------------|--------------------|------------------|---|---|---|---|---|
| | | | P | M | K | N | S | H |
| | IRDMT1204MOT22HS | RDMT1204MOT-CX22HS | ● | ○ | ● | | ○ | ● |
| | IRDMT1204MOT32HS | RDMT1204MOT-CX32HS | ● | ● | ● | | ○ | ○ |
| | IRDMT1204MOT43TS | RDMT1204MOT-CX43TS | ● | ● | ● | | ● | |
| | IRDMW1204MOT22HS | RDMW1204MOT-CX22HS | ● | ○ | ● | | ○ | ● |
| | IRDMW1204MOT32HS | RDMW1204MOT-CX32HS | ● | ● | ● | | ○ | ○ |
| | IRDMW1204MOT43TS | RDMW1204MOT-CX43TS | ● | ● | ● | | ● | |
| | IRDMT1604MOT22HS | RDMT1604MOT-CX22HS | ● | ○ | ● | | ○ | ● |
| | IRDMT1604MOT32HS | RDMT1604MOT-CX32HS | ● | ● | ● | | ○ | ○ |
| | IRDMT1604MOT43TS | RDMT1604MOT-CX43TS | ● | ● | ● | | ● | |
| | IRDMW1604MOT22HS | RDMW1604MOT-CX22HS | ● | ○ | ● | | ○ | ● |
| | IRDMW1604MOT32HS | RDMW1604MOT-CX32HS | ● | ● | ● | | ○ | ○ |
| | IRDMW1604MOT43TS | RDMW1604MOT-CX43TS | ● | ● | ● | | ● | |

Recommended Cutting Conditions

| Working Material | Vc | Dia ≤ 10 | | Dia > 10 | |
|-----------------------------|-----------|------------|-----------|------------|-----------|
| | | fz | ap | fz | ap |
| Carbon Steel (HB85-225) | 120 ~ 250 | 0.1 ~ 0.6 | 0.3 ~ 1.5 | 0.2 ~ 0.8 | 0.5 ~ 2.5 |
| Stainless 300 Series | 100 ~ 180 | 0.08 ~ 0.4 | 0.3 ~ 1.2 | 0.15 ~ 0.4 | 0.5 ~ 2.0 |
| Cast Iron (HB140-220) | 120 ~ 250 | 0.1 ~ 0.6 | 0.3 ~ 1.5 | 0.2 ~ 0.8 | 0.5 ~ 2.5 |
| High temp. & Titanium alloy | 40 ~ 100 | 0.08 ~ 0.3 | 0.3 ~ 1.0 | 0.15 ~ 0.3 | 0.3 ~ 2.0 |
| Hardened steel | 50 ~ 100 | 0.08 ~ 0.3 | 0.3 ~ 1.0 | 0.15 ~ 0.3 | 0.3 ~ 2.0 |

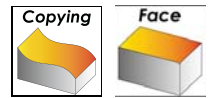
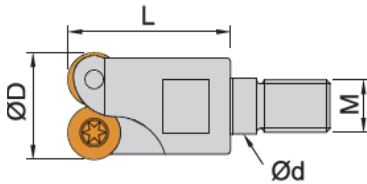
CARDE - Milling tools



Indexable Milling Tools

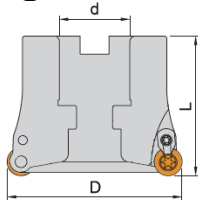
| Order No. 訂購編碼 | D | L1 | L | d | T | Inserts | Screw | Wrench |
|-------------------|----|----|-----|----|---|----------------------------|----------|--------|
| ICARDE502010100 | 10 | 25 | 100 | 10 | 2 | RDKW0501 | ITS2003 | ITK06 |
| ICARDE502012100 | 12 | 25 | 100 | 12 | 2 | | | |
| ICARDE503016130 | 16 | 35 | 130 | 16 | 3 | | | |
| ICARDE703016130 | 16 | 40 | 130 | 16 | 3 | RDKW0702 | ITS2015 | ITK08 |
| ICARDE704020150 | 20 | 40 | 150 | 20 | 4 | | | |
| ICARDE704025150 | 25 | 40 | 150 | 25 | 4 | | | |
| ICARDE102025150 | 25 | 45 | 150 | 25 | 2 | RDMT10T3 or RDMW10T3 | ITS3504 | ITK15 |
| ICARDE102030150 | 30 | 45 | 150 | 25 | 2 | | | |
| ICARDE103032150 | 32 | 45 | 150 | 32 | 3 | | | |
| ICARDE202032150 | 32 | 50 | 150 | 32 | 2 | RDMT1204 or RDMW1204 | ITS4008 | ITK15 |
| ICARDE302020150 | 20 | 40 | 150 | 20 | 2 | RDMT1003 or RDMX1003 | IMS3507A | ITK15 |
| ICARDE303025150 | 25 | 40 | 150 | 25 | 3 | | | |
| ICARDE303026150 | 26 | 25 | 150 | 25 | 3 | | | |
| ICARDE303030150 | 30 | 25 | 150 | 25 | 3 | | | |
| ICARDE304035150 | 35 | 40 | 150 | 32 | 4 | | | |
| | | | | | | | IMS3509A | |

CARDM - Modular tools



| Order No. 訂購編碼 | D | L1 | d | M | T | Inserts | Screw | Wrench |
|-------------------|----|----|------|-----|---|----------------------------|----------|--------|
| ICARDM503012060 | 12 | 21 | 6.5 | M06 | 3 | RDKW0501 | ITS2003 | ITK06 |
| ICARDM504016080 | 16 | 26 | 8.5 | M08 | 4 | | | |
| ICARDM703016080 | 16 | 26 | 8.5 | M08 | 3 | RDKW0702 | ITS2515 | ITK08 |
| ICARDM704020100 | 20 | 32 | 10.5 | M10 | 4 | | | |
| ICARDM705025120 | 25 | 38 | 12.5 | M12 | 5 | | | |
| ICARDM103025120 | 25 | 38 | 12.5 | M12 | 3 | RDMT10T3 or RDMW10T3 | ITS3504 | ITK10 |
| ICARDM104030120 | 30 | 38 | 12.5 | M12 | 4 | | | |
| ICARDM105032120 | 35 | 38 | 12.5 | M12 | 5 | | | |
| ICARDM106042160 | 42 | 43 | 17 | M16 | 6 | | | |
| ICARDM302020100 | 20 | 30 | 10.5 | M10 | 2 | RDMT1003 or RDMX1003 | IMS3507A | ITK15 |
| ICARDM302021100 | 21 | 30 | 10.5 | M10 | 2 | | | |
| ICARDM303025120 | 25 | 35 | 12.5 | M12 | 3 | | | |
| ICARDM303026120 | 26 | 35 | 12.5 | M12 | 3 | | | |
| ICARDM303030120 | 30 | 35 | 12.5 | M12 | 3 | | IMS3509A | |

CARDF - Milling tools



| Order No. 訂購編碼 | D | L | d | T | Inserts | Screw | Wrench | Clamp | Clamp Screw |
|-------------------|-----|----|------|---|----------------------------|----------|--------|----------|-------------|
| ICARDF104050220 | 50 | 45 | 22 | 4 | RDMT10T3 or RDMW10T3 | ITS3504 | ITK15 | IRD-45 | ITS4009 |
| ICARDF106063220 | 63 | 45 | 22 | 6 | | | | | |
| ICARDF204050220 | 50 | 45 | 22 | 4 | RDMT1204 or RDMW1204 | ITS4008 | ITK15 | IRD-6R | ITS5004 |
| ICARDF205050220 | 50 | 45 | 22 | 5 | | | | | |
| ICARDF205063220 | 63 | 45 | 22 | 5 | | | | | |
| ICARDF206063220 | 63 | 45 | 22 | 6 | | | | | |
| ICARDF207080270 | 80 | 50 | 27 | 7 | | | | | |
| ICARDF208100320 | 100 | 50 | 32 | 8 | RDMT1604 or RDMW1604 | ITS5007 | ITK20 | IRD-68 | ITS5009 |
| ICARDF604063220 | 63 | 45 | 22 | 4 | | | | | |
| ICARDF605063220 | 63 | 45 | 22 | 5 | | | | | |
| ICARDF606080270 | 80 | 50 | 27 | 6 | | | | | |
| ICARDF607100320 | 100 | 50 | 32 | 7 | | | | | |
| ICARDF305050220 | 50 | 40 | 22 | 5 | RDMT1003 or RDMX1003 | IMS3509A | ITK15 | IMC35-3V | - |
| ICARDF305050250 | 50 | 50 | 25.4 | 5 | | | | | |
| ICARDF306063250 | 63 | 50 | 25.4 | 6 | | | | | |