



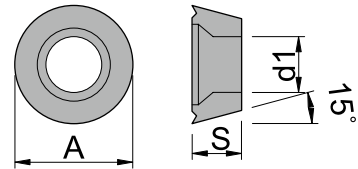
Suitable for mould & die machining and steel profiling !!

- ***Inserts for CARD Series
2.5R, 3.5R, 5R, 6R & 8R***
- ***Inserts for CARP Series
4R, 5R & 6R***

CARD Copy Milling

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.	Designation	Working Material					
			P	M	K	N	S	H
	IRDKW0501MOE22HS	RDKW0501MOE-CX22HS	●	●	●		○	●
	IRDKW0501MOE32HS	RDKW0501MOE-CX32HS	●	●	●		○	○
	IRDKW0501MOE33TS	RDKW0501MOE-CX33TS	●	●	●		●	●
	IRDKW0501MOE43TS	RDKW0501MOE-CX43TS	●	●	●		●	
	IRDKW0702MOSF32HS	RDKW0702MOS-F-CX32HS	●	●	●		○	○
	IRDKW0702MOSF33TS	RDKW0702MOS-F-CX33TS	●	●	●		●	●
	IRDKW0501MOT22HS	RDKW0501MOT-CX22HS	●	●	●		○	●
	IRDKW0501MOT32HS	RDKW0501MOT-CX32HS	●	●	●		○	○
	IRDKW0501MOT33TS	RDKW0501MOT-CX33TS	●	●	●		●	●
	IRDKW0501MOT43TS	RDKW0501MOT-CX43TS	●	●	●		●	
	IRDKW0702MOE22HS	RDKW0702MOE-CX22HS	●	●	●		○	●
	IRDKW0702MOE32HS	RDKW0702MOE-CX32HS	●	●	●		○	○
	IRDKW0702MOE33TS	RDKW0702MOE-CX33TS	●	●	●		●	●
	IRDKW0702MOE43TS	RDKW0702MOE-CX43TS	●	●	●		●	
	IRDKW0702MOT22HS	RDKW0702MOT-CX22HS	●	●	●		○	●
	IRDKW0702MOT32HS	RDKW0702MOT-CX32HS	●	●	●		○	○
	IRDKW0702MOT33TS	RDKW0702MOT-CX33TS	●	●	●		●	●
	IRDKW0702MOT43TS	RDKW0702MOT-CX43TS	●	●	●		●	

CARD Copy Milling

Insert Order Code

Insert	Order No.	Designation	Working Material					
			P	M	K	N	S	H
	IRDMT1003MOE22HS	RDMT1003MOE-CX22HS	●	●	●		○	●
	IRDMT1003MOE32HS	RDMT1003MOE-CX32HS	●	●	●		○	○
	IRDMT1003MOE33TS	RDMT1003MOE-CX33TS	●	●	●		●	●
	IRDMT1003MOE43TS	RDMT1003MOE-CX43TS	●	●	●		●	
	IRDMT1003MOT22HS	RDMT1003MOT-CX22HS	●	●	●		○	●
	IRDMT1003MOT23TS	RDMT1003MOT-CX23TS	●	●	●		●	●
	IRDMT1003MOT32HS	RDMT1003MOT-CX32HS	●	●	●		○	○
	IRDMT1003MOT33TS	RDMT1003MOT-CX33TS	●	●	●		●	●
	IRDMT1003MOT43TS	RDMT1003MOT-CX43TS	●	●	●		●	
	IRDMDX1003MOE22HS	RDMX1003MOE-CX22HS	●	●	●		○	●
	IRDMDX1003MOE32HS	RDMX1003MOE-CX32HS	●	●	●		○	○
	IRDMDX1003MOE33TS	RDMX1003MOE-CX33TS	●	●	●		●	●
	IRDMDX1003MOE43TS	RDMX1003MOE-CX43TS	●	●	●		●	
	IRDMDX1003MOT22HS	RDMX1003MOT-CX22HS	●	●	●		○	●
	IRDMDX1003MOT32HS	RDMX1003MOT-CX32HS	●	●	●		○	○
	IRDMDX1003MOT33TS	RDMX1003MOT-CX33TS	●	●	●		●	●
	IRDMDX1003MOT43TS	RDMX1003MOT-CX43TS	●	●	●		●	
	IRDMT10T3MOE22HS	RDMT10T3MOE-CX22HS	●	●	●		○	●
	IRDMT10T3MOE32HS	RDMT10T3MOE-CX32HS	●	●	●		○	○
	IRDMT10T3MOE33TS	RDMT10T3MOE-CX33TS	●	●	●		●	●
	IRDMT10T3MOE43TS	RDMT10T3MOE-CX43TS	●	●	●		●	
	IRDMT10T3MOT22HS	RDMT10T3MOT-CX22HS	●	●	●		○	●
	IRDMT10T3MOT32HS	RDMT10T3MOT-CX32HS	●	●	●		○	○
	IRDMT10T3MOT33TS	RDMT10T3MOT-CX33TS	●	●	●		●	●
	IRDMT10T3MOT43TS	RDMT10T3MOT-CX43TS	●	●	●		●	
	IRDMDW10T3MOE32HS	RDMW10T3MOE-CX32HS	●	●	●		○	○
	IRDMDW10T3MOE33TS	RDMW10T3MOE-CX33TS	●	●	●		●	●
	IRDMDW10T3MOT32HS	RDMW10T3MOT-CX32HS	●	●	●		○	○
	IRDMDW10T3MOT33TS	RDMW10T3MOT-CX33TS	●	●	●		●	●
	IRDMT12T3MOE22HS	RDMT12T3MOE-CX22HS	●	●	●		○	●
	IRDMT12T3MOE32HS	RDMT12T3MOE-CX32HS	●	●	●		○	○
	IRDMT12T3MOE33TS	RDMT12T3MOE-CX33TS	●	●	●		●	●
	IRDMT12T3MOT22HS	RDMT12T3MOT-CX22HS	●	●	●		○	●
	IRDMT12T3MOT32HS	RDMT12T3MOT-CX32HS	●	●	●		○	○
	IRDMT12T3MOT33TS	RDMT12T3MOT-CX33TS	●	●	●		●	●
	IRDMDX12T3MOE22HS	RDMX12T3MOE-CX22HS	●	●	●		○	●
	IRDMDX12T3MOE32HS	RDMX12T3MOE-CX32HS	●	●	●		○	○
	IRDMDX12T3MOE33TS	RDMX12T3MOE-CX33TS	●	●	●		●	●
	IRDMDX12T3MOE43TS	RDMX12T3MOE-CX43TS	●	●	●		●	
	IRDMDX12T3MOT22HS	RDMX12T3MOT-CX22HS	●	●	●		○	●
	IRDMDX12T3MOT32HS	RDMX12T3MOT-CX32HS	●	●	●		○	○
	IRDMDX12T3MOT33TS	RDMX12T3MOT-CX33TS	●	●	●		●	●
	IRDMDX12T3MOT43TS	RDMX12T3MOT-CX43TS	●	●	●		●	

Milling

Indexable Milling Cutters

CARD Copy Milling

Insert Order Code

Insert	Order No.	Designation	Working Material					
			P	M	K	N	S	H
	IRDMT1204MOE22HS	RDMT1204MOE-CX22HS	●	●	●		○	●
	IRDMT1204MOE32HS	RDMT1204MOE-CX32HS	●	●	●		○	○
	IRDMT1204MOE33TS	RDMT1204MOE-CX33TS	●	●	●		●	●
	IRDMT1204MOE43TS	RDMT1204MOE-CX43TS	●	●	●		●	
	IRDMT1204MOT22HS	RDMT1204MOT-CX22HS	●	●	●		○	●
	IRDMT1204MOT32HS	RDMT1204MOT-CX32HS	●	●	●		○	○
	IRDMT1204MOT33TS	RDMT1204MOT-CX33TS	●	●	●		●	●
	IRDMT1204MOT43TS	RDMT1204MOT-CX43TS	●	●	●		●	
	IRDMW1204MOE22HS	RDMW1204MOE-CX22HS	●	●	●		○	●
	IRDMW1204MOE32HS	RDMW1204MOE-CX32HS	●	●	●		○	○
	IRDMW1204MOE33TS	RDMW1204MOE-CX33TS	●	●	●		●	●
	IRDMW1204MOE43TS	RDMW1204MOE-CX43TS	●	●	●		●	
	IRDMW1204MOSF33TS	RDMW1204MOS-F-CX33TS	●	●	●		●	●
	IRDMW1204MOSF43TS	RDMW1204MOS-F-CX43TS	●	●	●		●	
	IRDMW1204MOT22HS	RDMW1204MOT-CX22HS	●	●	●		○	●
	IRDMW1204MOT32HS	RDMW1204MOT-CX32HS	●	●	●		○	○
	IRDMW1204MOT33TS	RDMW1204MOT-CX33TS	●	●	●		●	●
	IRDMW1204MOT43TS	RDMW1204MOT-CX43TS	●	●	●		●	
	IRDMT1604MOT22HS	RDMT1604MOT-CX22HS	●	●	●		○	●
	IRDMT1604MOT32HS	RDMT1604MOT-CX32HS	●	●	●		○	○
	IRDMT1604MOT33TS	RDMT1604MOT-CX33TS	●	●	●		●	●
	IRDMT1604MOT43TS	RDMT1604MOT-CX43TS	●	●	●		●	
	IRDMW1604MOE22HS	RDMW1604MOE-CX22HS	●	●	●		○	●
	IRDMW1604MOE32HS	RDMW1604MOE-CX32HS	●	●	●		○	○
	IRDMW1604MOE33TS	RDMW1604MOE-CX33TS	●	●	●		●	●
	IRDMW1604MOE43TS	RDMW1604MOE-CX43TS	●	●	●		●	
	IRDMW1604MOSF22HS	RDMW1604MOS-F-CX22HS	●	●	●		○	●
	IRDMW1604MOSF32HS	RDMW1604MOS-F-CX32HS	●	●	●		○	○
	IRDMW1604MOSF33TS	RDMW1604MOS-F-CX33TS	●	●	●		●	●
	IRDMW1604MOSF43TS	RDMW1604MOS-F-CX43TS	●	●	●		●	
	IRDMW1604MOE22HS	RDMW1604MOT-CX22HS	●	●	●		○	●
	IRDMW1604MOE23TS	RDMW1604MOT-CX23TS	●	●	●		●	●
	IRDMW1604MOE32HS	RDMW1604MOT-CX32HS	●	●	●		○	○
	IRDMW1604MOE33TS	RDMW1604MOT-CX33TS	●	●	●		●	●
	IRDMW1604MOE43TS	RDMW1604MOT-CX43TS	●	●	●		●	

CARD Copy Milling

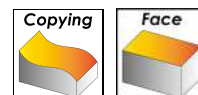
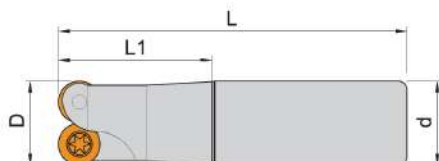
Recommended Cutting Conditions

Working Material	Vc	Dia ≤ 10		Dia > 10	
		fz	ap	fz	ap
Carbon Steel / Alloy Steel	120 ~ 250	0.1 ~ 0.6	0.3 ~ 1.5	0.2 ~ 0.8	0.5 ~ 2.5
Stainless Steel	100 ~ 180	0.08 ~ 0.4	0.3 ~ 1.2	0.15 ~ 0.4	0.5 ~ 2.0
Cast Iron	120 ~ 250	0.1 ~ 0.6	0.3 ~ 1.5	0.2 ~ 0.8	0.5 ~ 2.5
High Temperature 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

Milling

Indexable Milling Cutters

CARDE - Milling tools

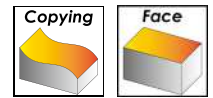
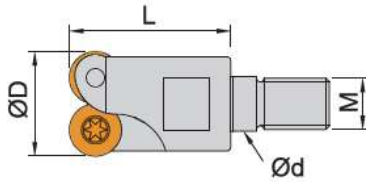


Order No.	D	L1	L	d	T	Inserts	Screw	Wrench	Stock
ICARDE502010100	10	25	100	10	2	RDKW0501	ITS2003	ITK06	●
ICARDE502012100	12	25	100	12	2				○
ICARDE503016130	16	35	130	16	3				○
ICARDE703016130	16	40	130	16	3	RDKW0702	ITS2015	ITK08	○
ICARDE704020150	20	40	150	20	4				●
ICARDE704025150	25	40	150	25	4				○
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		●

● stock ○ by inquiry

CARD Copy Milling

CARDM - Modular tools

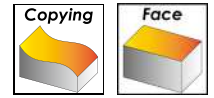
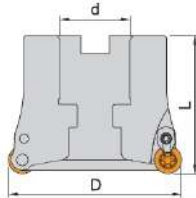


Order No.	D	L1	d	M	T	Inserts	Screw	Wrench	Stock
ICARDM502012060	12	21	6.5	M06	2	RDKW0501	ITS2003	ITK06	●
ICARDM503012060	12	21	6.5	M06	3				○
ICARDM504016080	16	26	8.5	M08	4				○
ICARDM703016080	16	26	8.5	M08	3	RDKW0702	ITS2515	ITK08	○
ICARDM704020100	20	32	10.5	M10	4				○
ICARDM705025120	25	38	12.5	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				○
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	●	

● stock ○ by inquiry

CARD Copy Milling

CARDF - Milling tools



Milling

Indexable Milling Cutters

Order No.	D	L	d	T	Inserts	Screw	Wrench	Clamp	Clamp Screw	Stock
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						○
ICARDF604063220	63	45	22	4	RDMT1604 or RDMW1604	ITS5007	ITK20	IRD-68	ITS5009	●
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						●

● stock ○ by inquiry