



TBB Cutting Tool

M1 Series

## 快進給銑削系列 MILLING TOOLS SERIES

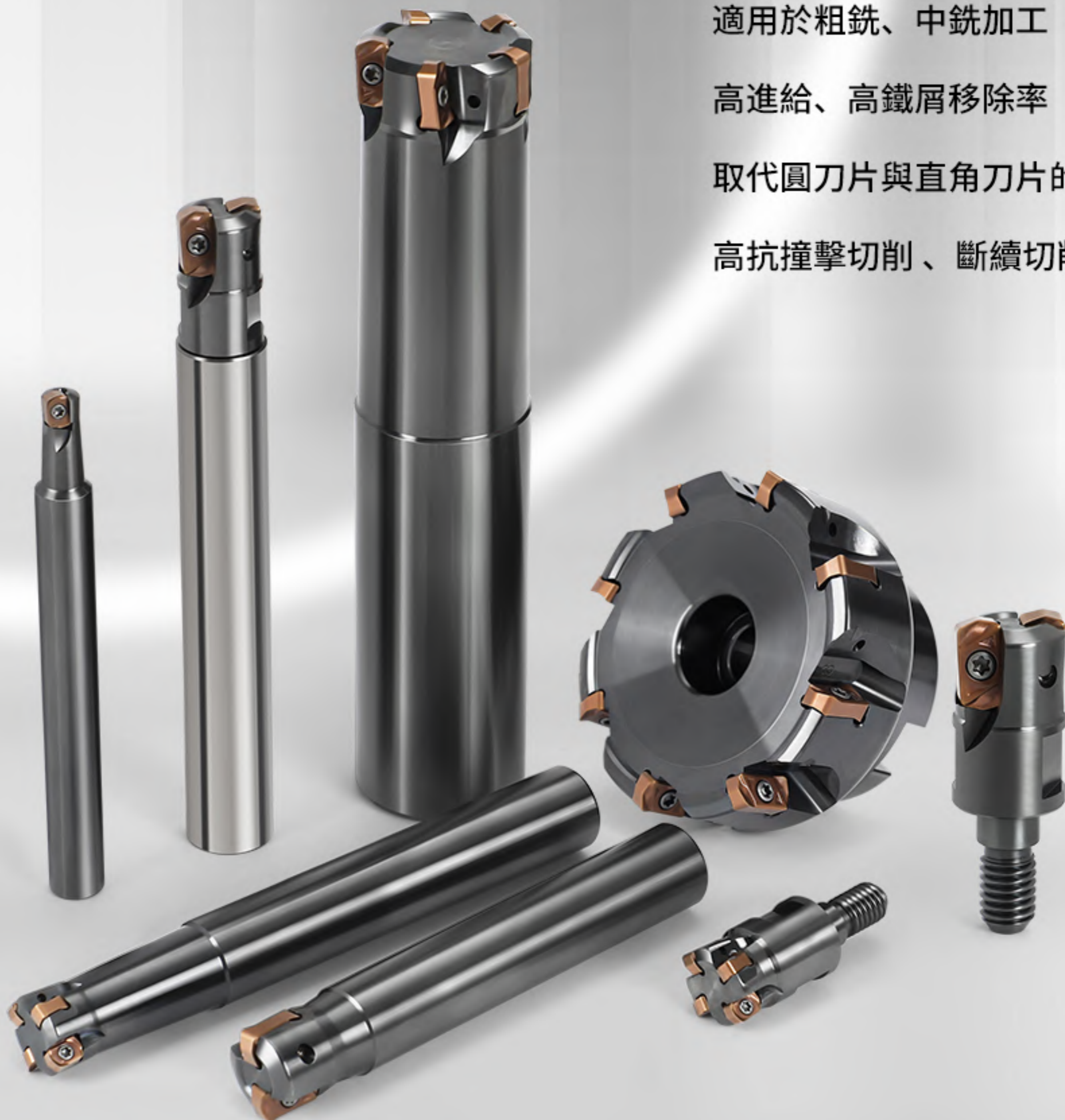
## LNMU02 / LNMU03

適用於粗銑、中銑加工

高進給、高鐵屑移除率

取代圓刀片與直角刀片的切削方式

高抗撞擊切削、斷續切削



# 團隊切削 行家優選

TEAMCUTTING EXPERT PREFERRED

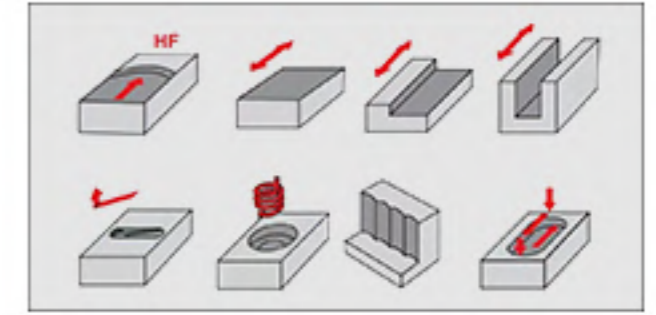
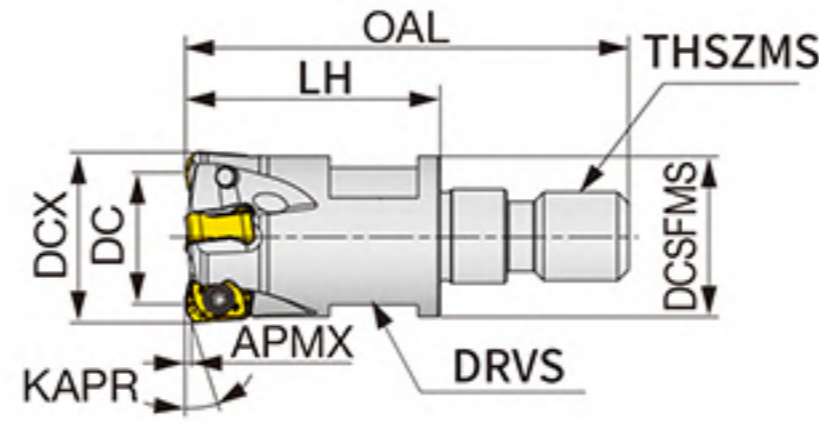
# TMHLN02

## 4刃雙面刀片快進給鎖牙銑刀頭

High feed modular heads

LNMU02系列

LNMU02 Series



Designation 型號	CICT 齒數	Dimension (mm)/尺寸							KAPR 傾斜角	THSZMS 螺紋規格	INSERT 刀片
		APMX	DCX	DC	DCSFMS	OAL	LH	DRVS			
TMHLN02-108-M04	1	0.5	8	3.95	7.8	28	17	7	17°	M4xP0.7	LNMU02...
TMHLN02-109-M04	1	0.5	9	4.95	7.8	28	17	7	17°	M4xP0.7	LNMU02...
TMHLN02-210-M05	2	0.5	10	5.85	9	29	17	7	17°	M5xP0.8	LNMU02...
TMHLN02-211-M05	2	0.5	11	6.85	9	29	17	7	17°	M5xP0.8	LNMU02...
TMHLN02-312-M06	3	0.5	12	7.8	11	32	17	9	17°	M6xP1.0	LNMU02...
TMHLN02-313-M06	3	0.5	13	8.8	11	32	17	9	17°	M6xP1.0	LNMU02...
TMHLN02-314-M06	3	0.5	14	9.8	13	32	17	10	17°	M6xP1.0	LNMU02...
TMHLN02-315-M06	3	0.5	15	10.8	13	32	17	10	17°	M6xP1.0	LNMU02...
TMHLN02-416-M08	4	0.5	16	11.8	15	43	25	12	17°	M8xP1.25	LNMU02...
TMHLN02-417-M08	4	0.5	17	12.8	15	43	25	12	17°	M8xP1.25	LNMU02...

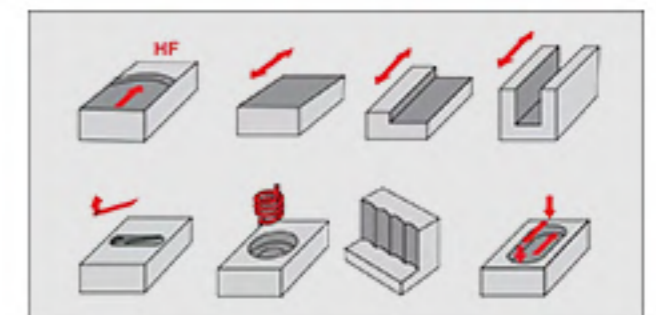
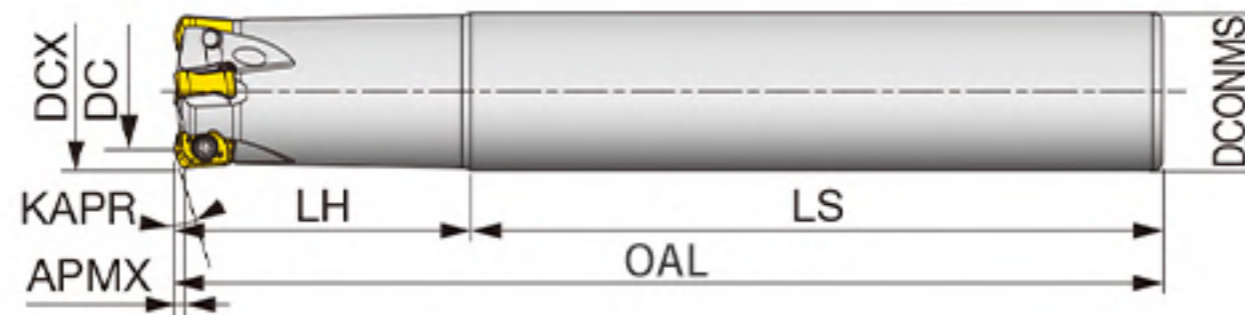
# TEHLN02

## 4刃雙面刀片快進給銑刀桿

High Feed End Mills

LNMU02系列

LNMU02 Series



Designation 型號	CICT 齒數	Dimension (mm)/尺寸							KAPR 傾斜角	INSERT 刀片
		APMX	DCX	DC	DCONMS	OAL	LH	LS		
TEHLN02-108-10-100	1	0.5	8	3.61	10	100	17	83	17°	LNMU02...
TEHLN02-109-10-100	1	0.5	9	4.74	10	100	19	81	17°	LNMU02...
TEHLN02-210-10-100	2	0.5	10	5.85	10	100	22	78	17°	LNMU02...
TEHLN02-211-10-100	2	0.5	11	6.76	10	100	11	89	17°	LNMU02...
TEHLN02-312-12-80	3	0.5	12	7.68	12	80	26	54	17°	LNMU02...
TEHLN02-312-12-120	3	0.5	12	7.68	12	120	26	94	17°	LNMU02...
TEHLN02-313-12-80	3	0.5	13	8.68	12	80	13	67	17°	LNMU02...
TEHLN02-313-12-120	3	0.5	13	8.68	12	120	13	107	17°	LNMU02...
TEHLN02-314-14-120	3	0.5	14	9.51	14	120	30	90	17°	LNMU02...
TEHLN02-314-14-150	3	0.5	14	9.51	14	150	30	120	17°	LNMU02...
TEHLN02-315-14-120	3	0.5	15	10.43	14	120	15	105	17°	LNMU02...
TEHLN02-315-14-160	3	0.5	15	10.43	14	160	15	145	17°	LNMU02...
TEHLN02-416-16-120	4	0.5	16	11.35	16	120	35	85	17°	LNMU02...
TEHLN02-416-16-160	4	0.5	16	11.35	16	160	35	125	17°	LNMU02...
TEHLN02-417-16-120	4	0.5	17	12.27	16	120	17	103	17°	LNMU02...
TEHLN02-417-16-160	4	0.5	17	12.27	16	160	17	143	17°	LNMU02...

建議常規加工時切深採用0.3-0.35mm

刀片及配件相關資訊請參照第M1-03頁

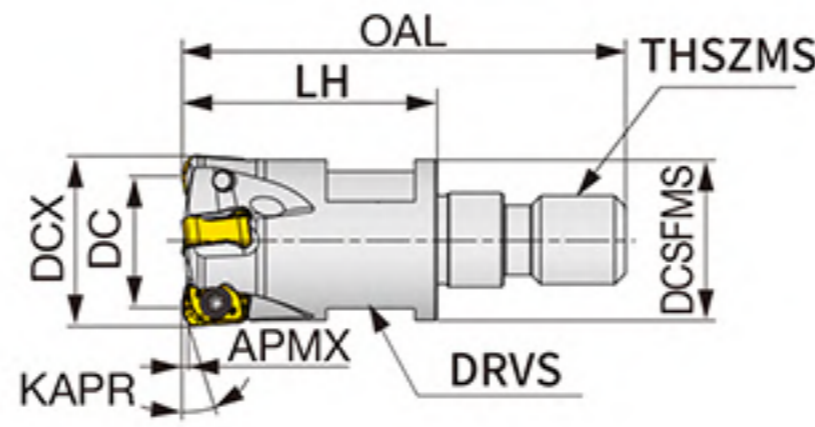
切削參數請參照第M1-04頁

\*注意事項：此頁銑刀桿和鎖牙銑刀頭不能完全共用泰珂洛公司的LNMU02刀片

# TMHLN03

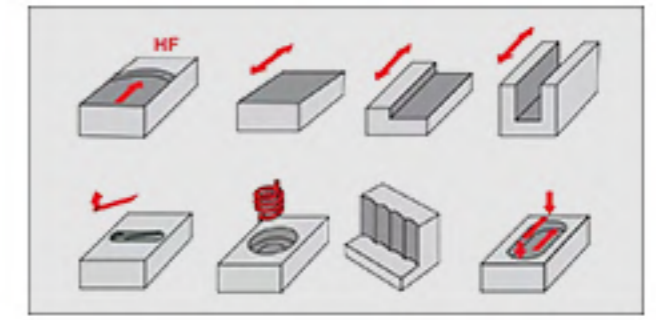
## 4刃雙面刀片快進給鎖牙銑刀頭

High feed modular heads



LNMU03系列

LNMU03 Series

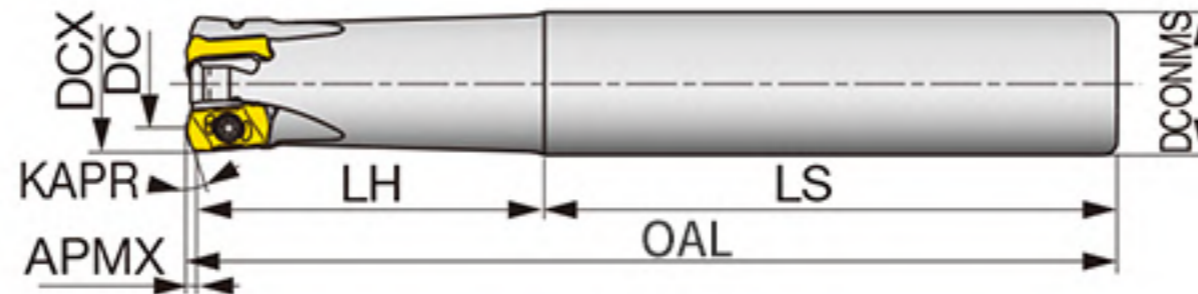


Designation 型號	CICT 齒數	Dimension (mm)/尺寸							KAPR 傾斜角	THSZMS 螺紋規格	INSERT 刀片
		APMX	DCX	DC	DCSFMS	OAL	LH	DRVS			
TMHLN03-216-M08	2	1	16	9.6	15	43	25	12	15°	M8xP1.25	LNMU03...
TMHLN03-217-M08	2	1	17	10.5	15	43	25	12	17°	M8xP1.25	LNMU03...
TMHLN03-318-M08	3	1	18	11.5	15	43	25	12	17°	M8xP1.25	LNMU03...
TMHLN03-320-M10	3	1	20	13.5	19	49	29	15	17°	M10xP1.5	LNMU03...
TMHLN03-322-M10	3	1	22	15.5	19	49	29	15	17°	M10xP1.5	LNMU03...
TMHLN03-425-M12	4	1	25	18.5	24	57	35	19	17°	M12xP1.75	LNMU03...
TMHLN03-426-M12	4	1	26	19.5	24	57	35	19	17°	M12xP1.75	LNMU03...
TMHLN03-528-M12	5	1	28	21.5	24	57	35	19	17°	M12xP1.75	LNMU03...
TMHLN03-532-M16	5	1	32	25.5	31	63	38	24	17°	M16xP2.0	LNMU03...
TMHLN03-635-M16	6	1	35	28.5	31	63	38	24	17°	M16xP2.0	LNMU03...

# TEHLN03

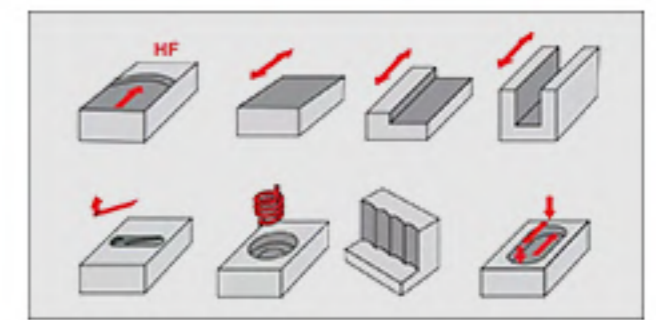
## 4刃雙面刀片快進給銑刀桿

High Feed End Mills



LNMU03系列

LNMU03 Series



Designation 型號	CICT 齒數	Dimension (mm)/尺寸							KAPR 傾斜角	INSERT 刀片
		APMX	DCX	DC	DCONMS	OAL	LH	LS		
TEHLN03-216-16-100	2	1	16	9.6	16	100	30	70	17°	LNMU03...
TEHLN03-216-16-120	2	1	16	9.6	16	120	30	90	17°	LNMU03...
TEHLN03-216-16-150	2	1	16	9.6	16	150	30	120	17°	LNMU03...
TEHLN03-217-16-100	2	1	17	10.5	16	100	20	80	17°	LNMU03...
TEHLN03-217-16-120	2	1	17	10.5	16	120	20	100	17°	LNMU03...
TEHLN03-217-16-150	2	1	17	10.5	16	150	20	130	17°	LNMU03...
TEHLN03-320-20-100	3	1	20	13.5	20	100	30	70	17°	LNMU03...
TEHLN03-320-20-130	3	1	20	13.5	20	130	50	80	17°	LNMU03...
TEHLN03-320-20-160	3	1	20	13.5	20	160	50	110	17°	LNMU03...
TEHLN03-321-20-130	3	1	21	14.5	20	130	35	95	17°	LNMU03...
TEHLN03-321-20-160	3	1	21	14.5	20	160	35	125	17°	LNMU03...
TEHLN03-425-25-100	4	1	25	18.5	25	100	37	63	17°	LNMU03...
TEHLN03-425-25-140	4	1	25	18.5	25	140	60	80	17°	LNMU03...
TEHLN03-425-25-200	4	1	25	18.5	25	200	60	140	17°	LNMU03...
TEHLN03-426-25-140	4	1	26	19.5	25	140	30	110	17°	LNMU03...
TEHLN03-426-25-200	4	1	26	19.5	25	200	30	170	17°	LNMU03...
TEHLN03-530-25-150	5	1	30	23.5	25	150	30	120	17°	LNMU03...
TEHLN03-532-32-150	5	1	32	25.5	32	150	70	80	17°	LNMU03...
TEHLN03-532-32-200	5	1	32	25.5	32	200	70	130	17°	LNMU03...
TEHLN03-533-32-150	5	1	33	26.5	32	150	30	120	17°	LNMU03...
TEHLN03-533-32-200	5	1	33	26.5	32	200	30	170	17°	LNMU03...
TEHLN03-635-32-160	6	1	35	28.5	32	160	40	120	17°	LNMU03...
TEHLN03-635-32-200	6	1	35	28.5	32	150	40	110	17°	LNMU03...

建議常規加工時切深採用0.6-0.7mm  
 刀片及配件相關資訊請參照第M1-03頁  
 切削參數請參照第M1-04頁

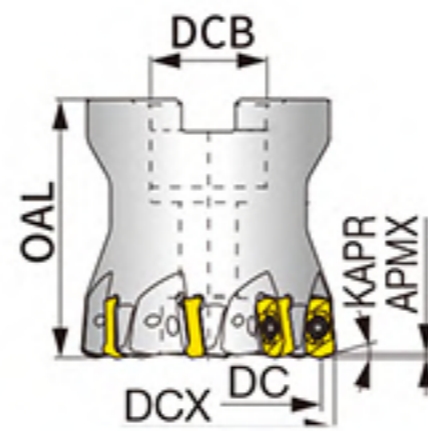
# TFHLN03

## 4刃雙面刀片快進給銑刀盤

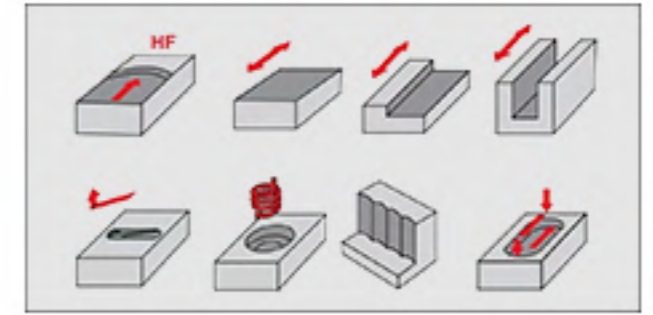
High Feed Face Mills

LNMU03系列

LNMU03 Series



C.H. 冷卻孔



Designation 型號	CICT 齒數	Dimension (mm)/尺寸						KAPR /傾斜角	INSERT /刀片
		APMX	DCX	DC	DCB	OAL	C.H.		
TFHLN03-635-16	6	1	35	28.6	16	40	NO	17°	LNMU03...
TFHLN03-635-16-C	6	1	35	28.6	16	40	YES	17°	LNMU03...
TFHLN03-640-16	6	1	40	33.6	16	40	NO	17°	LNMU03...
TFHLN03-640-16-C	6	1	40	33.6	16	40	YES	17°	LNMU03...
TFHLN03-645-16	6	1	45	38.6	16	40	NO	17°	LNMU03...
TFHLN03-645-16-C	6	1	45	38.6	16	40	YES	17°	LNMU03...
TFHLN03-850-22	8	1	50	43.6	22	40	NO	17°	LNMU03...
TFHLN03-850-22-C	8	1	50	43.6	22	40	YES	17°	LNMU03...
TFHLN03-855-22	8	1	55	48.6	22	40	NO	17°	LNMU03...
TFHLN03-855-22-C	8	1	55	48.6	22	40	YES	17°	LNMU03...
TFHLN03-863-22	8	1	63	56.6	22	40	NO	17°	LNMU03...
TFHLN03-863-22-C	8	1	63	56.6	22	40	YES	17°	LNMU03...
TFHLN03-1070-22	10	1	70	63.6	22	40	NO	17°	LNMU03...
TFHLN03-1070-22-C	10	1	70	63.6	22	40	YES	17°	LNMU03...
TFHLN03-1080-27	10	1	80	73.6	27	50	NO	17°	LNMU03...
TFHLN03-1080-27-C	10	1	80	73.6	27	50	YES	17°	LNMU03...

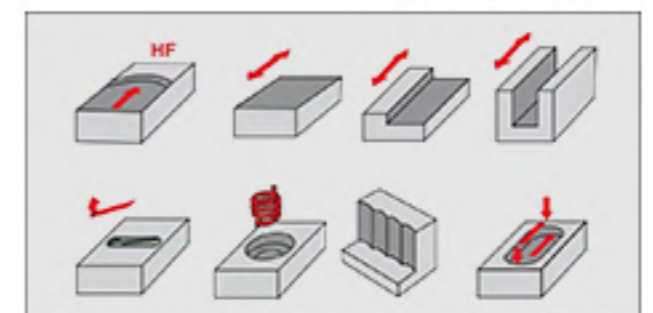
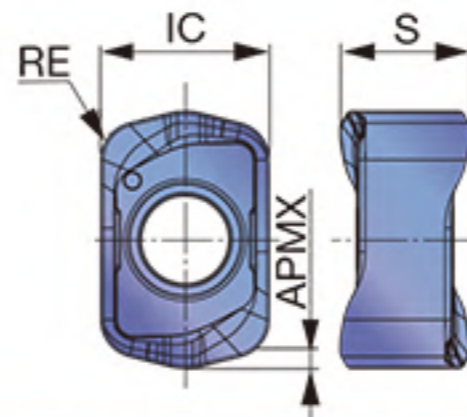
# LNMU0202

## 4刃雙面快進給銑刀片

High Feed Milling Inserts

LNMU02系列

LNMU02 Series



Designation 型號	Dimension (mm)/尺寸						Grade/材質	
	IC/大小	S/厚度	RE/圓角	APMX/最大切深	Screw/螺絲	Wrench/扳手	TC3320	TC5520
LNMU0202ER-MM	4	3.1	0.9	0.5	TSA-18040-1	TWA-T6	●	●

常規參數: Vc 100-200, fz 0.2-1.0

可插銑, 最大橫切深 (ae) 2mm

刀桿、刀盤相關資訊請參照第M1-01, M1-02, M1-03頁

● 常備庫存

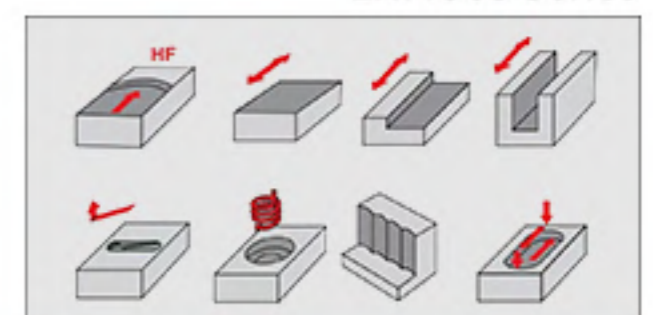
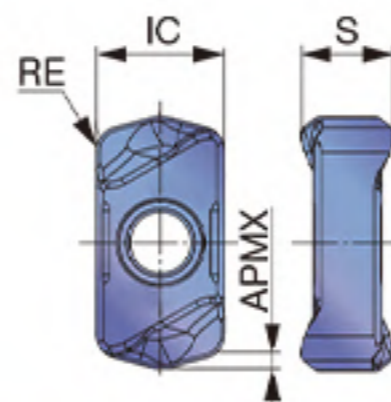
# LNMU0303

## 4刃雙面快進給銑刀片

High Feed Milling Inserts

LNMU03系列

LNMU03 Series



Designation 型號	Dimension (mm)/尺寸						Grade/材質	
	IC/大小	S/厚度	RE/圓角	APMX/最大切深	Screw/螺絲	Wrench/扳手	TC3320	TC5520
LNMU0303ER-MJ	6	4.3	1.2	1	TSA-25070-1	TWA-T8	●	●

常規參數: Vc 100-200, fz 0.5-1.5

可插銑, 最大橫切深 (ae) 3mm

刀桿、刀盤相關資訊請參照第M1-01, M1-02, M1-03頁

● 常備庫存

# LNMU快進給系列

## LNMU High Feed Series

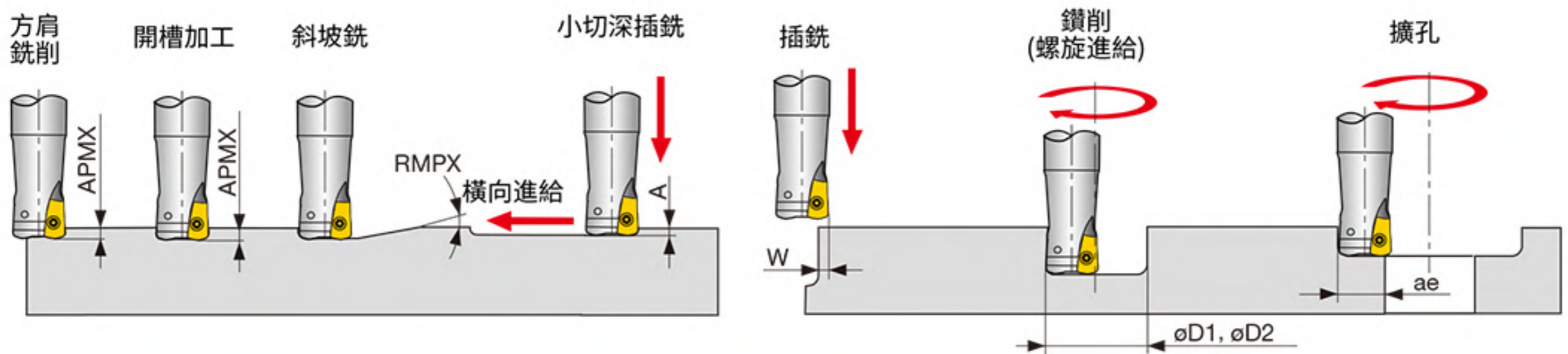
### 切削參數 / Cutting Conditions

ISO	Material/工件材料	Hardness/硬度	Vc (m/min)/切削速度		fz (mm/t)/每齒進給量		Plunging/插銑		
			LNMU02	LNMU03	LNMU02	LNMU03	LNMU02	LNMU03	
P	碳鋼 S45C, S55C ... C45, C55 ...	-300HB	100-300	100-300	0.2-1.2	0.5-1.5	0.06	0.1	
	合金鋼 SCM440, SCr415 ... 42CrMo4 ...	-300HB	100-300	100-300	0.2-1.2	0.5-1.5	0.06	0.1	
	預硬化鋼 NAK80, PX5 ...	30-40HRC	100-200	100-200	0.2-0.8	0.5-1.0	0.06	0.1	
M	不銹鋼 SUS304, SUS316 ... X5CrNi18-9 X5CrNiMo17-12-2 ...	-200HB	100-150	80-150	0.2-0.8	0.3-0.8	0.06	0.1	
K	灰鑄鐵 FC250, FC300 ... 250, 300 ...	150-250HB	100-300	100-300	0.2-1.2	0.5-1.5	0.06	0.1	
	球墨鑄鐵 FCD400 ... 400-15, 600-3 ...	150-250HB	80-200	80-200	0.2-1.2	0.5-1.5	0.06	0.1	
S	鈦合金 Ti-6Al-4V ...	-40HRC	30-60	30-60	0.2-0.7	0.3-0.7	0.05	0.08	
	耐熱合金 Inconel, Hastelloy...	-40HRC	20-50	20-50	0.1-0.3	0.1-0.3	0.03	0.05	
H	淬火鋼	SKD61 ... X40CrMoV5-1 ...	40-50HRC	80-150	80-150	0.1-0.5	0.1-0.5	0.03	0.05
		SKD11 ... X153CrMoV12...	50-60HRC	50-70	50-70	0.1-0.3	0.03-0.2	0.03	0.03

### 編程時的注意事項

當使用CAM軟件編程時，該刀具應設置成圓角刀具，LNMU02刀片通常圓角最大設定值為R=1mm，最大切深0.5mm，常規使用建議0.3-0.35mm；LNMU03刀片通常圓角最大設定值為R=1.5mm，最大切深1mm，常規使用建議0.6-0.7mm。如果圓角設置過大會出現過切的情況。

### 加工應用數據



型號 LNMU02刀片	DCX	APMX 最大切深	RMPX 最大斜坡銑角度	A 最大插銑深度	W 最大插銑寬度	D1 最小加工孔徑	D2 最大加工孔徑	ae 擴孔最大切寬
TEHLN02-108-10...	8	0.5	1.07	0.15	2	10	13.2	5.87
TEHLN02-210-10...	10	0.5	2.8	0.15	2	13.8	17	7.82
TEHLN02-312-12...	12	0.5	1.9	0.15	2	17.8	21	9.81
TEHLN02-416-16...	16	0.5	1.2	0.15	2	25.8	29	13.8

型號 LNMU03刀片	DCX	APMX 最大切深	RMPX 最大斜坡銑角度	A 最大插銑深度	W 最大插銑寬度	D1 最小加工孔徑	D2 最大加工孔徑	ae 擴孔最大切寬
TEHLN03-216-16...	16	1	2.1°	0.3	3.5	22	30	12.5
TEHLN03-217-16...	17	1	1.7°	0.3	3.5	24	32	13.5
TEHLN03-320-20...	20	1	1.3°	0.3	3.5	30	38	16.5
TEHLN03-425-25...	25	1	1.0°	0.3	3.5	40	48	21.5
TEHLN03-532-32...	32	1	0.7°	0.3	3.5	54	62	28.5
TFHLN03-640...	40	1	0.5°	0.3	3.5	70	78	36.5
TFHLN03-850...	50	1	0.4°	0.3	3.5	90	98	46.5



TBB Cutting Tool

M2 Series

銑削系列

MILLING TOOLS SERIES

WNMU04 / WNMU05  
WNMU06 / WNMU08  
ZNMU08

鋒利切削刃做到低阻力

刀片厚度保證抗崩性好

方肩面銑插銑樣樣精通

抗震力強保障長懸深加工



團隊切削 行家優選

TEAMCUTTING EXPERT PREFERRED

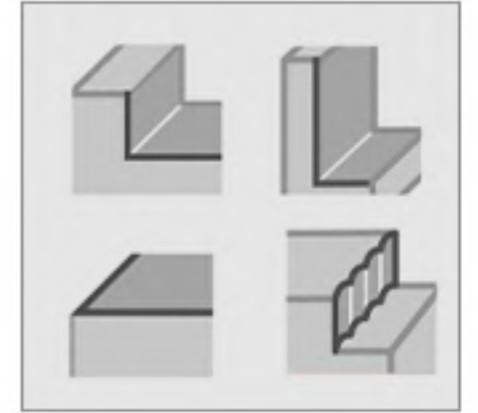
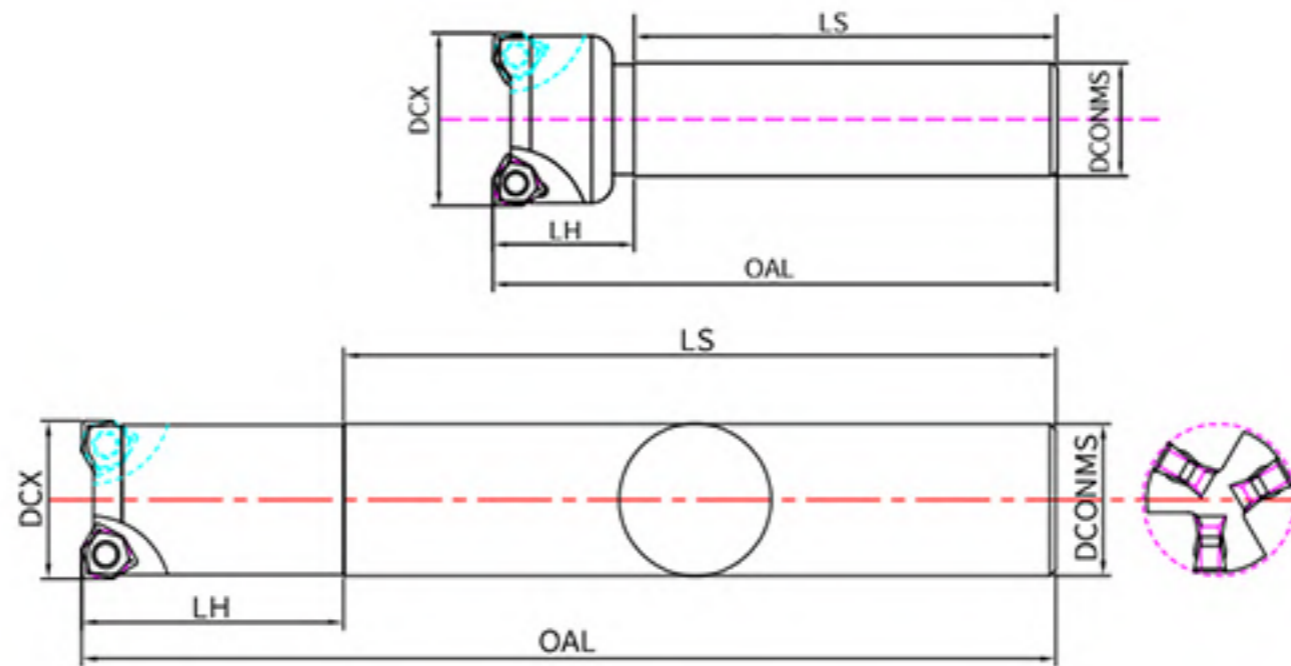
# TE90WN04

## 6刃雙面低阻力清角銑刀桿

Low Resistance End Mill Cutter

WNMU04系列

WNMU04 Series



Designation 型號	CICT 齒數	Dimension (mm)/尺寸							INSERT 刀片
		APMX	DCX	DC	DCONMS	OAL	LH	LS	
TE90WN04-216-16-80-MT	2	4	16	16	16	80	20	60	WNMU04...
TE90WN04-217-16-80-MT	2	4	17	17	16	80	20	60	WNMU04...
TE90WN04-218-16-80-MT	2	4	18	18	16	80	20	60	WNMU04...
TE90WN04-219-16-80-MT	2	4	19	19	16	80	20	60	WNMU04...
TE90WN04-320-16-80-MT	3	4	20	20	16	80	20	60	WNMU04...
TE90WN04-321-32-80-MT	3	4	21	21	16	80	20	60	WNMU04...
TE90WN04-322-16-80-MT	3	4	22	22	16	80	20	60	WNMU04...
TE90WN04-323-16-80-MT	3	4	23	23	16	80	20	60	WNMU04...
TE90WN04-324-16-80-MT	3	4	24	24	16	80	20	60	WNMU04...
TE90WN04-325-16-80-MT	3	4	25	25	16	80	20	60	WNMU04...
TE90WN04-326-16-80-MT	3	4	26	26	16	80	20	60	WNMU04...
TE90WN04-428-16-80-MT	4	4	28	28	16	80	20	60	WNMU04...
TE90WN04-430-16-80-MT	4	4	30	30	16	80	20	60	WNMU04...
TE90WN04-432-16-80-MT	4	4	32	32	16	80	20	60	WNMU04...
TE90WN04-535-16-80-MT	5	4	35	35	16	80	20	60	WNMU04...
TE90WN04-540-16-80-MT	5	4	40	40	16	80	20	60	WNMU04...
TE90WN04-216-16-120	2	4	16	16	16	120	35	85	WNMU04...
TE90WN04-216-16-160	2	4	16	16	16	160	35	125	WNMU04...
TE90WN04-216-16-200	2	4	16	16	16	200	35	165	WNMU04...
TE90WN04-217-16-120	2	4	17	17	16	120	17	103	WNMU04...
TE90WN04-217-16-160	2	4	17	17	16	160	17	143	WNMU04...
TE90WN04-217-16-200	2	4	17	17	16	200	22	178	WNMU04...
TE90WN04-320-20-120	3	4	20	20	20	120	44	76	WNMU04...
TE90WN04-320-20-160	3	4	20	20	20	160	44	116	WNMU04...
TE90WN04-320-20-200	3	4	20	20	20	200	44	156	WNMU04...
TE90WN04-321-20-120	3	4	21	21	20	120	21	99	WNMU04...
TE90WN04-321-20-160	3	4	21	21	20	160	21	139	WNMU04...
TE90WN04-321-20-200	3	4	21	21	20	200	22	178	WNMU04...
TE90WN04-325-25-120	3	4	25	25	25	120	55	65	WNMU04...
TE90WN04-325-25-160	3	4	25	25	25	160	55	105	WNMU04...
TE90WN04-325-25-200	3	4	25	25	25	200	55	145	WNMU04...
TE90WN04-326-25-120	3	4	26	26	25	120	26	94	WNMU04...
TE90WN04-326-25-160	3	4	26	26	25	160	26	134	WNMU04...
TE90WN04-326-25-200	3	4	26	26	25	200	26	174	WNMU04...
TE90WN04-432-32-120	4	4	32	32	32	120	64	56	WNMU04...
TE90WN04-432-32-160	4	4	32	32	32	160	70	96	WNMU04...
TE90WN04-432-32-200	4	4	32	32	32	200	70	130	WNMU04...
TE90WN04-433-32-120	4	4	33	33	32	120	33	87	WNMU04...
TE90WN04-433-32-160	4	4	33	33	32	160	33	127	WNMU04...
TE90WN04-433-32-200	4	4	33	33	32	200	33	167	WNMU04...

刀桿型號加MT的刀桿為車銑複合機床專用刀桿

刀片相關資訊請參照第M2-1-02頁

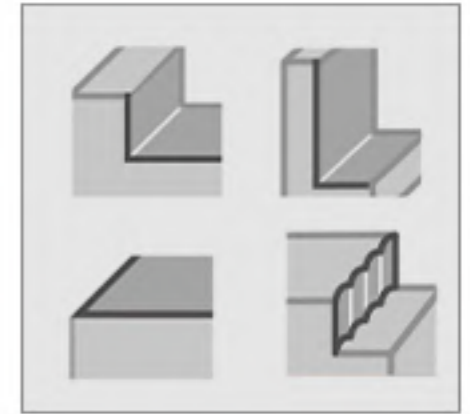
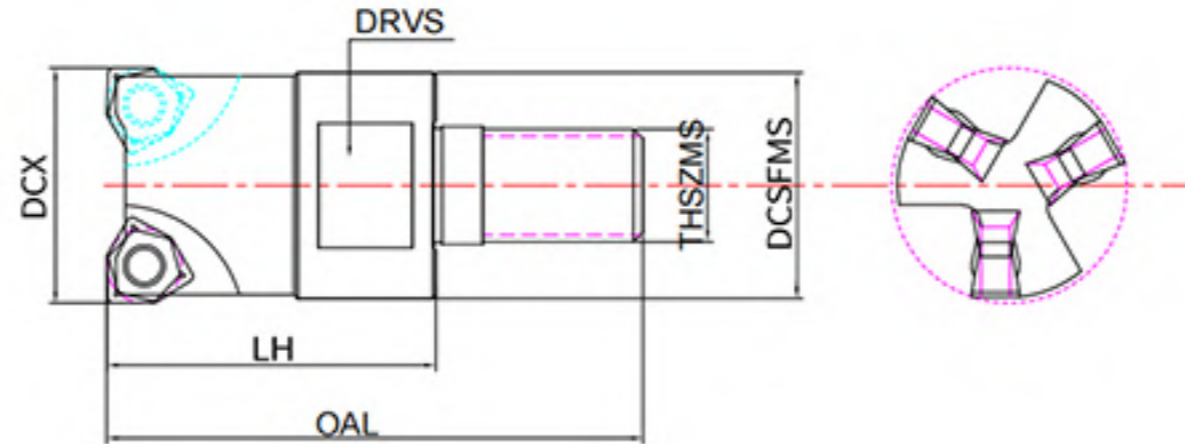
# TM90WN04

## 6刃雙面低阻力清角鎖牙頭

Low Resistance Modular Head

WNMU04系列

WNMU04 Series



Designation 型號	CIC 齒數	Dimension (mm)/尺寸							THSZMS 螺紋規格	INSERT 刀片
		APMX	DCX	DC	DCSFMS	OAL	LH	DRVS		
TM90WN04-216-M08	2	4	16	16	15	43	25	12	M8xP1.25	WNMU04...
TM90WN04-217-M08	2	4	17	17	15	43	25	12	M8xP1.25	WNMU04...
TM90WN04-320-M10	3	4	20	20	19	49	29	15	M10xP1.5	WNMU04...
TM90WN04-321-M10	3	4	21	21	19	49	29	15	M10xP1.5	WNMU04...
TM90WN04-325-M12	3	4	25	25	24	57	35	19	M12xP1.75	WNMU04...
TM90WN04-326-M12	3	4	26	26	24	57	35	19	M12xP1.75	WNMU04...
TM90WN04-432-M16	4	4	32	32	31	63	38	24	M16xP2.0	WNMU04...
TM90WN04-433-M16	4	4	33	33	31	63	38	24	M16xP2.0	WNMU04...
TM90WN04-435-M16	4	4	35	35	31	63	38	24	M16xP2.0	WNMU04...

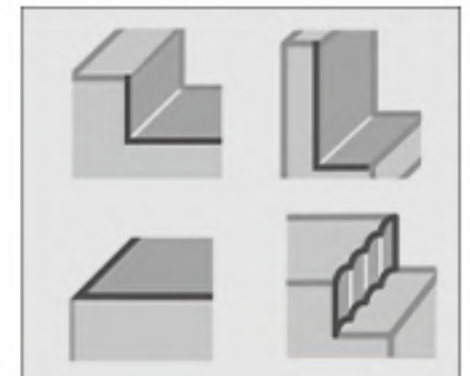
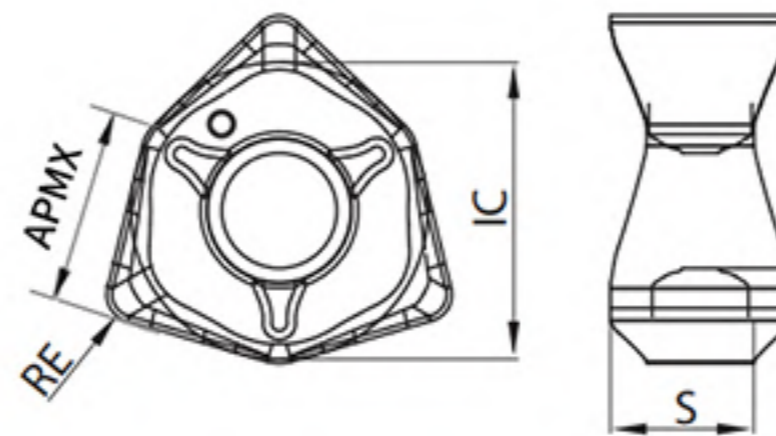
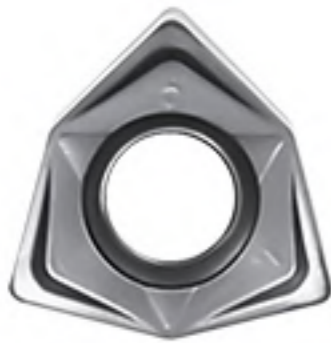
# WNMU04/06

## 6刃雙面低阻力清角銑刀片

Low Resistance Milling Inserts

WNMU04/06系列

WNMU04/06 Series



Designation 型號	Dimension (mm)/尺寸						Grade/材質	
	IC/大小	S/厚度	RE/圓角	APMX/最大切深	Screw/螺絲	Wrench/扳手	BC3320	BC5520
WNMU040304-GM	6.70	3.31	0.4	4	TSA-25060-1	TWA-T8	○	○
WNMU060408-GM	11.66	4	0.8	6	TSA-35100-1	TWA-T15	○	○

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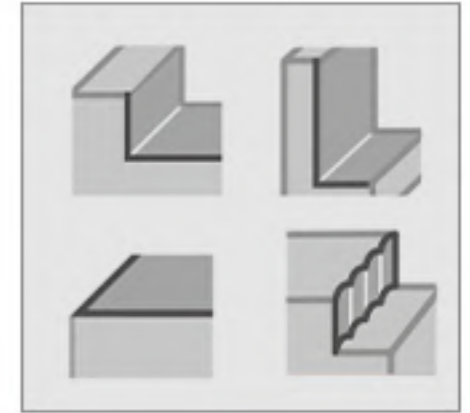
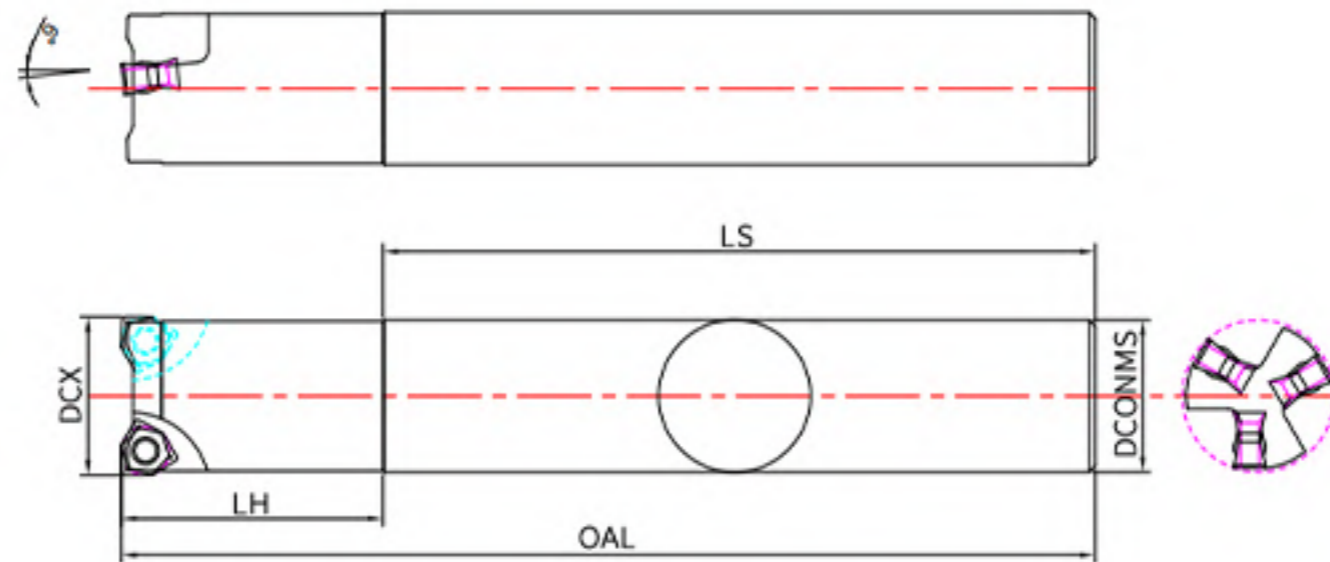
# TE90WN06

## 6刃雙面低阻力清角銑刀桿

Low Resistance End Mill Cutter

WNMU06系列

WNMU06 Series



Designation 型號	CICT 齒數	Dimension (mm)/尺寸							INSERT 刀片
		APMX	DCX	DC	DCONMS	OAL	LH	LS	
TE90WN06-225-25-120	2	6	25	25	25	120	55	65	WNMU06...
TE90WN06-225-25-160	2	6	25	25	25	160	55	105	WNMU06...
TE90WN06-225-25-200	2	6	25	25	25	200	55	145	WNMU06...
TE90WN06-226-25-160	2	6	26	26	25	160	26	134	WNMU06...
TE90WN06-226-25-200	2	6	26	26	25	200	26	174	WNMU06...
TE90WN06-332-32-160	3	6	32	32	32	160	70	90	WNMU06...
TE90WN06-332-32-200	3	6	32	32	32	200	70	130	WNMU06...
TE90WN06-333-32-160	3	6	33	33	32	160	33	127	WNMU06...
TE90WN06-333-32-200	3	6	33	33	32	200	33	167	WNMU06...

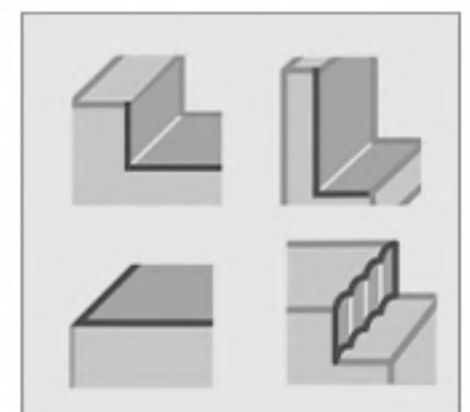
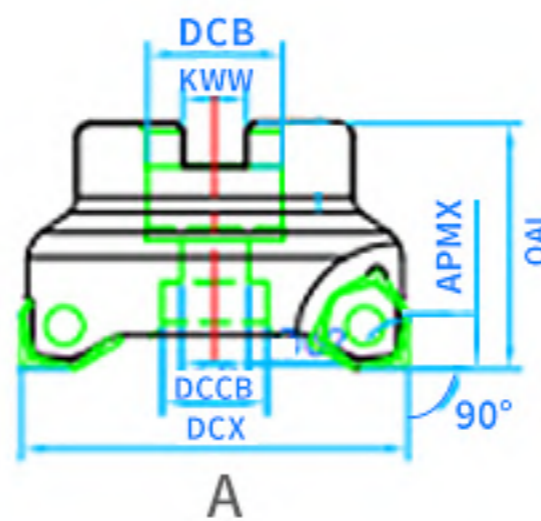
# TF90WN06

## 6刃雙面低阻力清角銑刀盤

Low Resistance Milling Cutter

WNMU06系列

WNMU06 Series



Designation 型號	CICT 齒數	Dimension (mm)/尺寸							Angel 角度	INSERT 刀片
		APMX	DCX	DCB	OAL	DCCB	KWW	TYPE		
TF90WN06-440-16	4	6	40	16	40	14	8.4	A	90°	WNMU06...
TF90WN06-550-22	5	6	50	22	40	17	10.4	A	90°	WNMU06...
TF90WN06-663-22	6	6	63	22	40	17	10.4	A	90°	WNMU06...
TF90WN06-880-27	8	6	80	27	50	34	12.4	A	90°	WNMU06...

刀片相關資訊請參照第M2-1-02頁

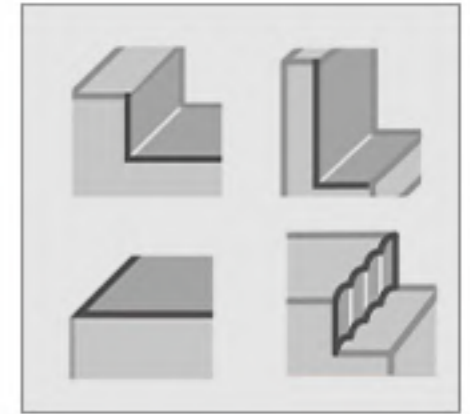
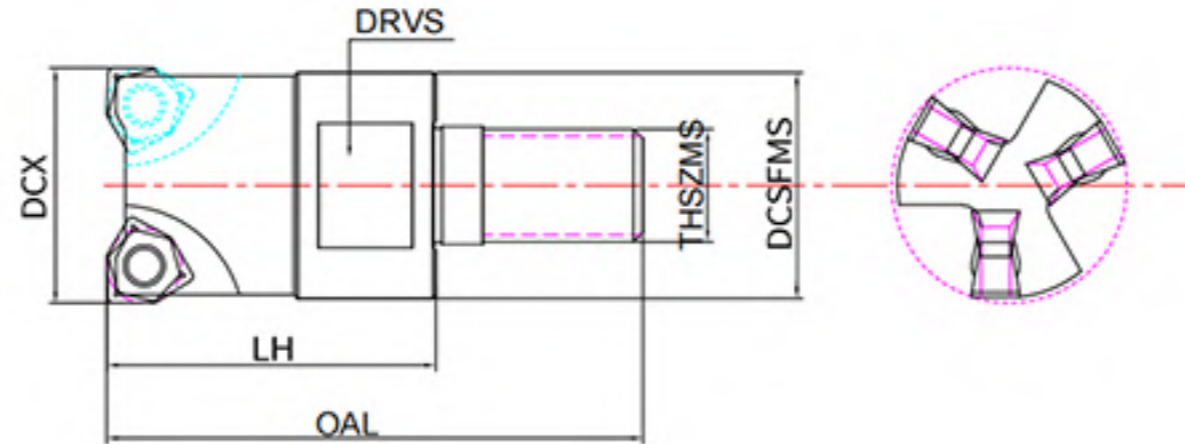
# TM90WN05

## 6刃雙面刀片90度低阻力鎖牙銑刀頭

Low Resistance Modular heads

WNMU05系列

WNMU05 Series



Designation 型號	CICT 齒數	Dimension (mm)/尺寸							Angel 角度	INSERT 刀片
		APMX	DCX	LH	OAL	DCSFMS	DRVS	THSZMS		
TM90WN05-225-M12	2	5	25	35	57	24	19	M12	90°	WNMU05...
TM90WN05-226-M12	2	5	26	36	57	24	19	M12	90°	WNMU05...
TM90WN05-332-M16	3	5	32	38	63	31	24	M16	90°	WNMU05...
TM90WN05-333-M16	3	5	33	38	63	31	24	M16	90°	WNMU05...
TM90WN05-435-M16	4	5	35	38	63	31	24	M16	90°	WNMU05...

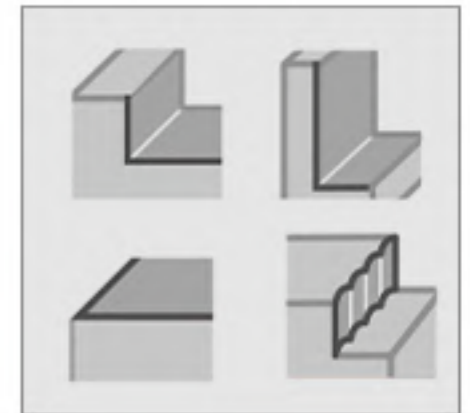
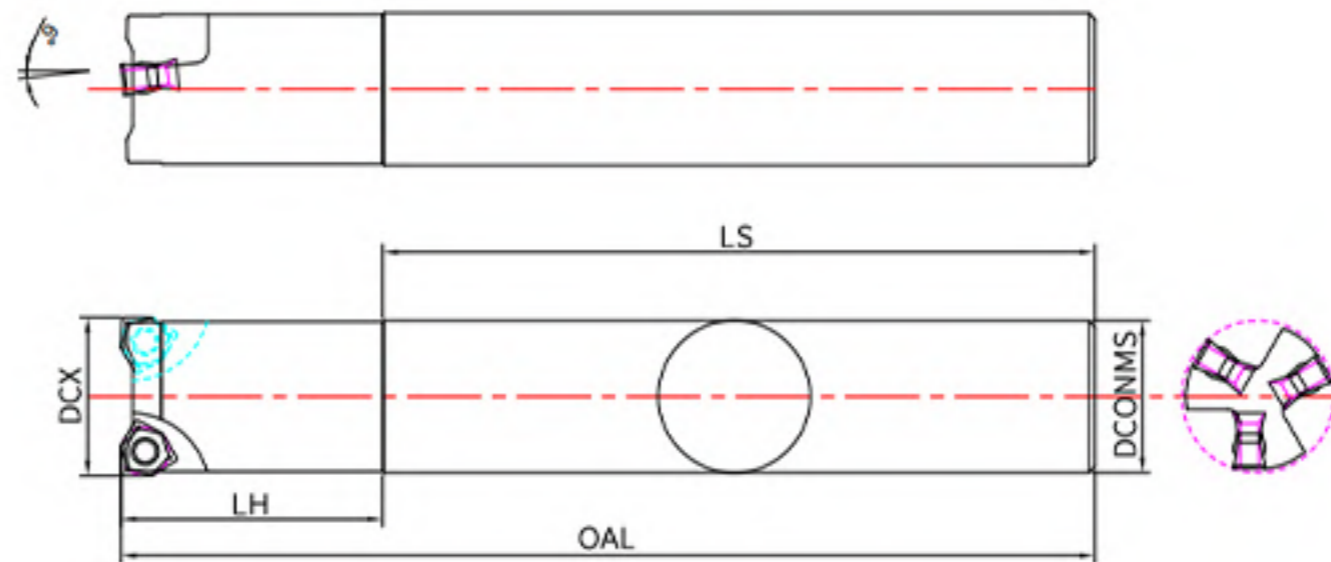
# TE90WN05

## 6刃雙面刀片90度低阻力銑刀桿

Low Resistance End Mills

WNMU05系列

WNMU05 Series



Designation 型號	CICT 齒數	Dimension (mm)/尺寸							Angel 角度	INSERT 刀片
		APMX	DCX	DC	DCONMS	OAL	LH	LS		
TE90WN05-225-25-120	2	5	25	25	25	120	55	65	90°	WNMU05...
TE90WN05-225-25-160	2	5	25	25	25	160	55	105	90°	WNMU05...
TE90WN05-226-25-120	2	5	26	26	25	120	26	94	90°	WNMU05...
TE90WN05-226-25-160	2	5	26	26	25	160	26	134	90°	WNMU05...
TE90WN05-226-25-200	2	5	26	26	25	200	26	174	90°	WNMU05...
TE90WN05-332-32-160	3	5	32	32	32	160	70	90	90°	WNMU05...
TE90WN05-332-32-200	3	5	32	32	32	200	70	130	90°	WNMU05...
TE90WN05-333-32-160	3	5	33	33	32	160	33	127	90°	WNMU05...
TE90WN05-333-32-200	3	5	33	33	32	200	33	167	90°	WNMU05...

可插銑，最大橫切深 (ae) 5mm

刀片相關資訊請參照第M2-02頁

切削參數請參照第M2-03頁

# TF90WN08

## 6刃雙面刀片90度低阻力面銑刀盤

Low Resistance Face Mills

WNMU08系列

WNMU08 Series

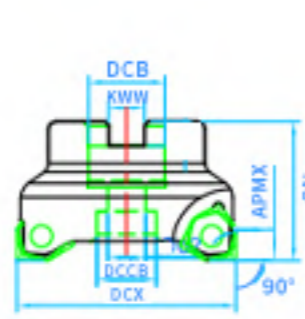


Fig.1

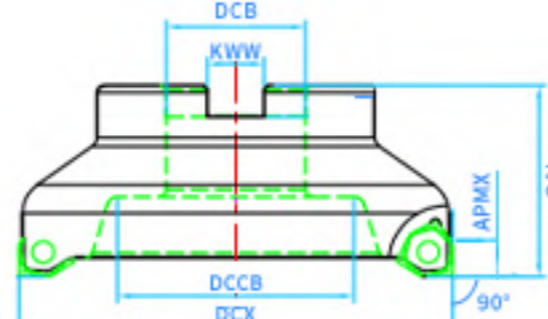


Fig.2

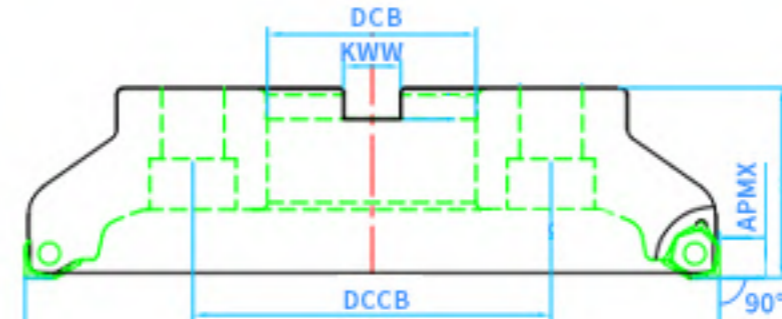
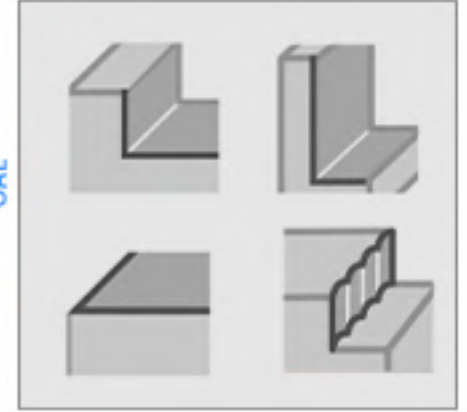


Fig.3



Designation 型號	CIC 齒數	Dimension (mm)/尺寸							Angel 角度	INSERT 刀片
		APMX	DCX	KWW	DCB	OAL	DCCB	Type		
TF90WN05-440-16	5	5	40	8.4	16	40	14	Fig.1	90°	WNMU05...
TF90WN05-550-22	5	5	50	10.4	22	40	17	Fig.1	90°	WNMU05...
TF90WN05-663-22	6	5	63	10.4	22	40	17	Fig.1	90°	WNMU05...
TF90WN05-880-27	8	5	80	12.4	27	50	34	Fig.1	90°	WNMU05...
TF90WN08-450-22	4	8	50	10.4	22	40	17	Fig.1	90°	WNMU08...
TF90WN08-563-22	5	8	63	10.4	22	40	17	Fig.1	90°	WNMU08...
TF90WN08-680-27	6	8	80	12.4	27	50	34	Fig.1	90°	WNMU08...
TF90WN08-7100-32	7	8	100	14.4	32	50	42	Fig.1	90°	WNMU08...
TF90WN08-8125-40	8	8	125	16.4	40	63	-	Fig.2	90°	WNMU08...
TF90WN08-10160-40	10	8	160	16.4	40	63	-	Fig.2	90°	WNMU08...
TF90WN08-12200-60	12	8	200	25.7	60	63	101.6	Fig.3	90°	WNMU08...
TF90WN08-14250-60	14	8	250	25.7	60	63	101.6	Fig.3	90°	WNMU08...

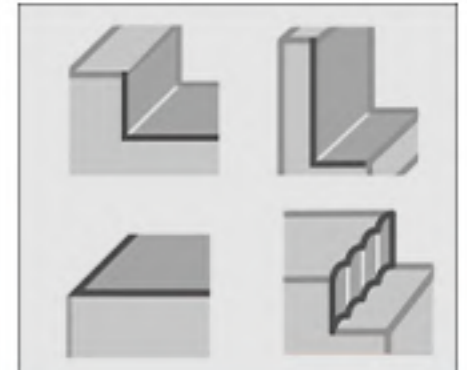
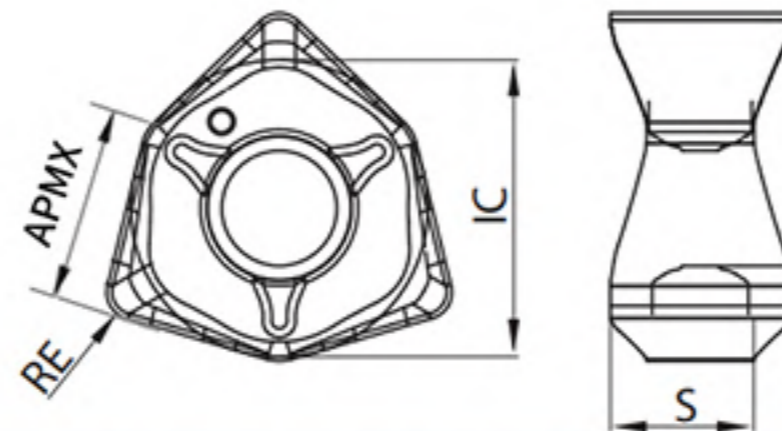
# WNMU080608

## 6刃雙面低阻力清角銑刀片

Low Resistance Face Mill Inserts

WNMU08系列

WNMU08 Series



Designation 型號	Dimension (mm)/尺寸						Grade/材質	
	IC/大小	S/厚度	RE/圓角	APMX/最大切深	Screw/螺絲	Wrench/扳手	BC3320	BC5520
WNMU080608-GM	14.0	6.7	0.8	8	TSA-50120-1	TWA-T15	○	○

可插銑，最大橫切深 (ae) 8mm

刀盤相關資訊請參照第M2-02頁

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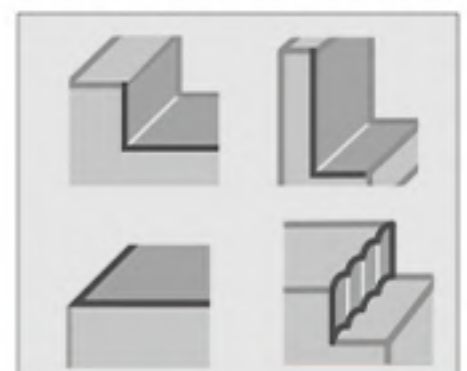
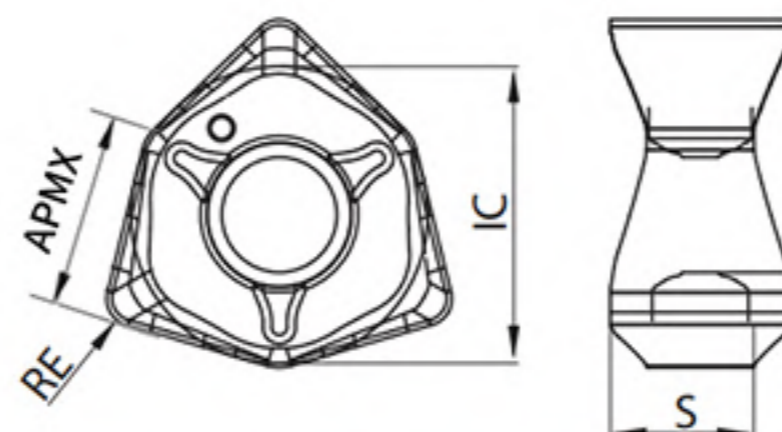
# WNMU050408

## 6刃雙面低阻力清角銑刀片

Low Resistance Face Mill Inserts

WNMU05系列

WNMU05 Series



Designation 型號	Dimension (mm)/尺寸						Grade/材質	
	IC/大小	S/厚度	RE/圓角	APMX/最大切深	Screw/螺絲	Wrench/扳手	BC3320	BC5520
WNMU050408-GM	8.8	4.2	0.8	5	TSA-30064-1	TWA-T8	○	○

可插銑，最大橫切深 (ae) 5mm

刀盤相關資訊請參照第M2-02頁，鎖牙銑刀頭、銑刀桿相關資訊請參照第M2-01頁

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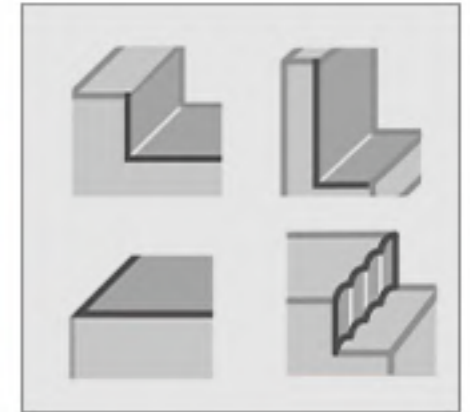
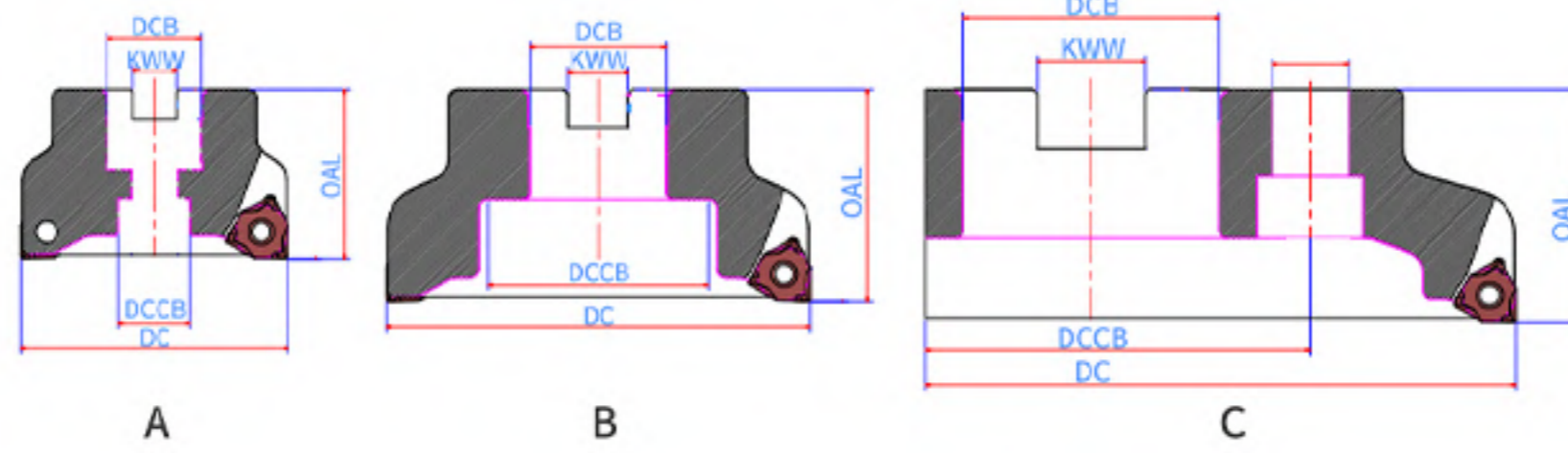
# TF90ZN08

## 6刃雙面低阻力清角銑刀盤

Low Resistance Milling Cutter

ZNMU08系列

ZNMU08 Series



Designation 型號	CIC 齒數	Dimension (mm)/尺寸							Angel 角度	INSERT 刀片
		APMX	DC	DCB	OAL	DCCB	KWW	Type		
TF90ZN08-450-22	4	7.3	50	22	40	17	10.4	A	90°	ZNMU08...
TF90ZN08-563-22	5	7.3	63	22	40	17	10.4	A	90°	ZNMU08...
TF90ZN08-680-27	6	7.3	80	27	50	34	12.4	A	90°	ZNMU08...
TF90ZN08-7100-32	7	7.3	100	32	50	42	14.4	A	90°	ZNMU08...
TF90ZN08-8125-40	8	7.3	125	40	55	50	16.4	B	90°	ZNMU08...
TF90ZN08-10160-40	10	7.3	160	40	55	80	16.4	B	90°	ZNMU08...
TF90ZN08-12200-60	12	7.3	200	60	55	101.6	25.8	C	90°	ZNMU08...
TF90ZN08-14250-60	14	7.3	250	60	55	101.6	25.8	C	90°	ZNMU08...

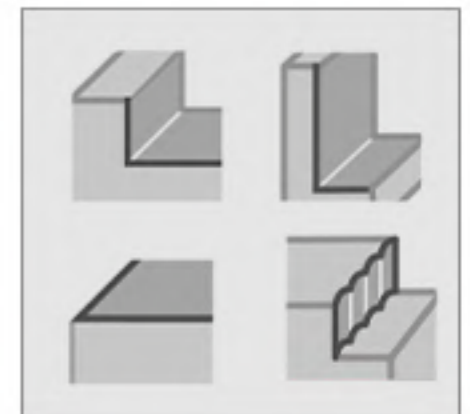
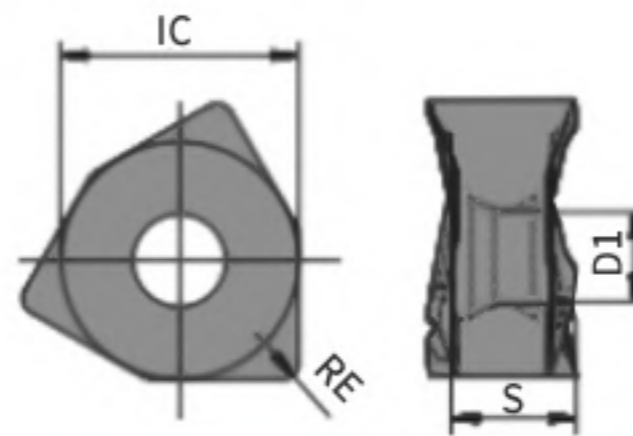
# ZNMU0806

## 6刃雙面低阻力清角銑刀片

Milling Inserts

ZNMU08系列

ZNMU08 Series



Designation 型號	Dimension (mm)/尺寸								Grade/材質	
	IC/大小	S/厚度	RE/圓角	APMX/最大切深	D1/螺絲孔徑	Screw/螺絲	Wrench/扳手	TC3320	TC5520	
ZNMU080608-GM	12	6.35	0.8	7.3	4.60	TSA-40100-1	TWA-T15	○	○	

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刀片相關資訊請參照第M2-2-01頁

刀盤相關資訊請參照第M2-2-01頁

# WNMU080608



TBB Cutting Tool

## 6刃雙面低阻力銑刀片

Low Resistance Face Mill Inserts

WNMU08系列

WNMU08 Series

### 切削參數 / Cutting Conditions

ISO	Material/工件材料	Hardness/硬度	Vc (m/min)/切削速度	fz (mm/t)/每齒進給量
P	碳鋼 S45C, S55C ... C45, C55 ...	-300HB	120-250	0.1-0.3
	合金鋼 SCM440, SCr415 ... 42CrMo4 ...	-300HB	100-220	0.1-0.3
	預硬化鋼 NAK80, PX5 ...	30-40HRC	80-180	0.1-0.25
M	不銹鋼 SUS304, SUS316 ... X5CrNi18-9 X5CrNiMo17-12-2 ...	-200HB	100-250	0.1-0.25
K	灰鑄鐵 FC250, FC300 ... 250, 300 ...	150-250HB	120-250	0.1-0.3
	球墨鑄鐵 FCD400 ... 400-15, 600-3 ...	150-250HB	100-200	0.1-0.3
S	鈦合金 Ti-6Al-4V ...	-40HRC	20-50	0.1-0.2
	耐熱合金 Inconel, Hastelloy...	-40HRC	20-50	0.1-0.2
H	淬火鋼	SKD61 ... X40CrMoV5-1 ...	40-50HRC	80-150
		SKD11 ... X153CrMoV12...	50-60HRC	50-70

斜降、螺旋加工時，被切削工件與刀片後斜角發生干涉，故無法加工。

可插銑，最大橫切深 (ae) 8mm

# WNMU050408

## 6刃雙面低阻力銑刀片

Low Resistance Face Mill Inserts

WNMU05系列

WNMU05 Series

### 切削參數 / Cutting Conditions

ISO	Material/工件材料	Hardness/硬度	Vc (m/min)/切削速度	fz (mm/t)/每齒進給量
P	碳鋼 S45C, S55C ... C45, C55 ...	-300HB	120-250	0.1-0.25
	合金鋼 SCM440, SCr415 ... 42CrMo4 ...	-300HB	100-220	0.1-0.2
	預硬化鋼 NAK80, PX5 ...	30-40HRC	80-180	0.1-0.2
M	不銹鋼 SUS304, SUS316 ... X5CrNi18-9 X5CrNiMo17-12-2 ...	-200HB	100-250	0.1-0.2
K	灰鑄鐵 FC250, FC300 ... 250, 300 ...	150-250HB	120-250	0.1-0.25
	球墨鑄鐵 FCD400 ... 400-15, 600-3 ...	150-250HB	100-200	0.1-0.2
S	鈦合金 Ti-6Al-4V ...	-40HRC	20-50	0.1-0.2
	耐熱合金 Inconel, Hastelloy...	-40HRC	20-50	0.1-0.2
H	淬火鋼	SKD61 ... X40CrMoV5-1 ...	40-50HRC	80-150
		SKD11 ... X153CrMoV12...	50-60HRC	50-70

斜降、螺旋加工時，被切削工件與刀片後斜角發生干涉，故無法加工。

可插銑，最大橫切深 (ae) 5mm



TBB Cutting Tool

M3 Series

銑削系列

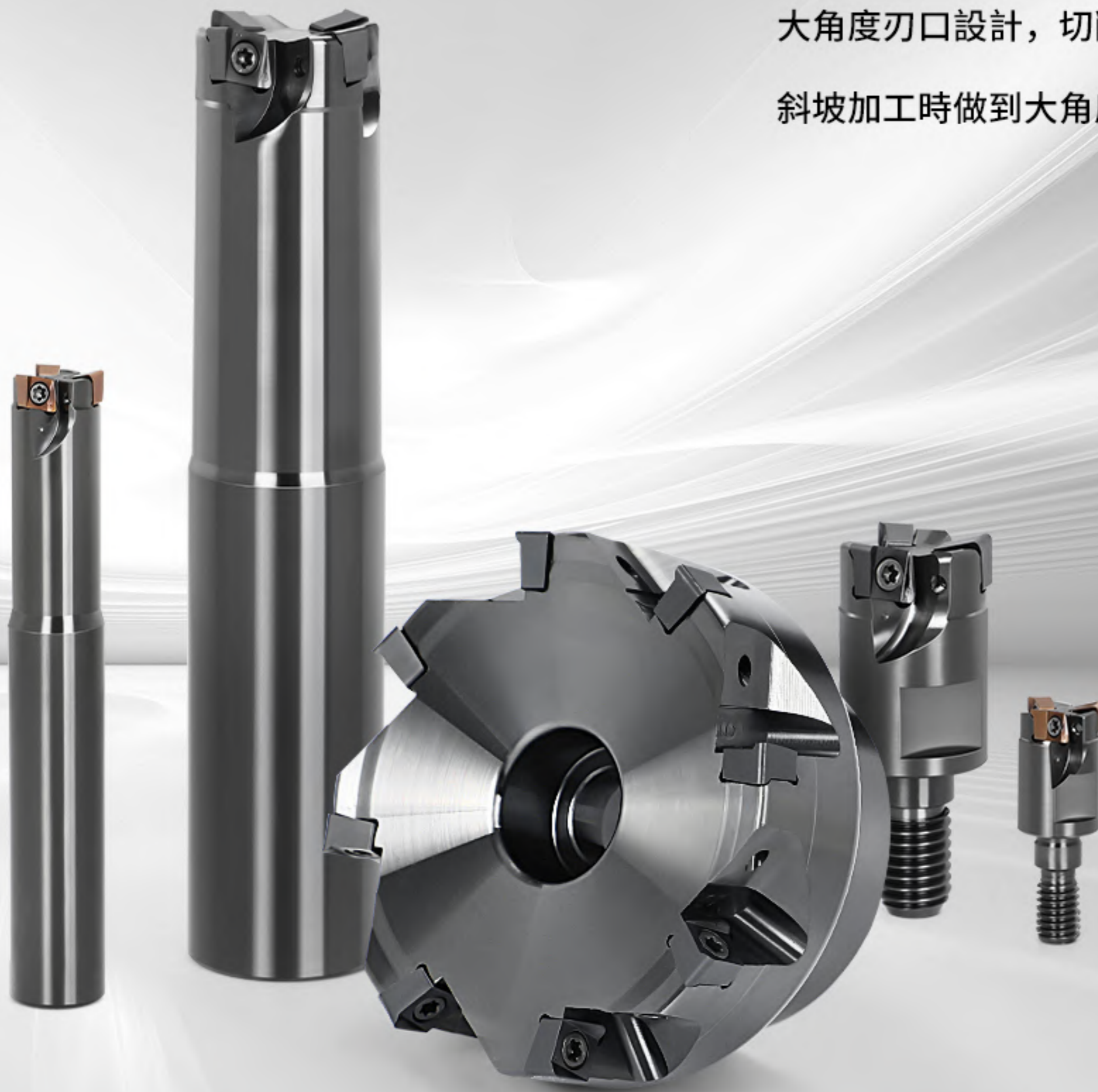
MILLING TOOLS SERIES

4NKT04 / 4NKT06

真正90度的方肩加工效果

大角度刃口設計，切削阻力少

斜坡加工時做到大角度加工



團隊切削 行家優選

TEAMCUTTING EXPERT PREFERRED

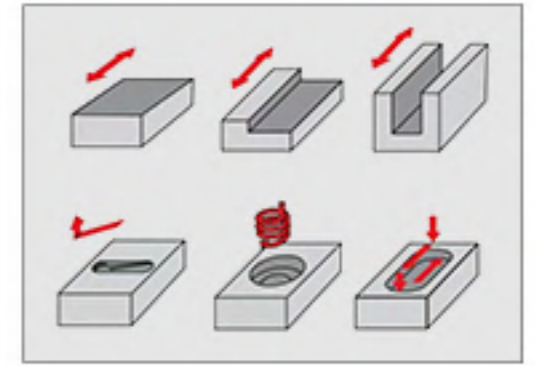
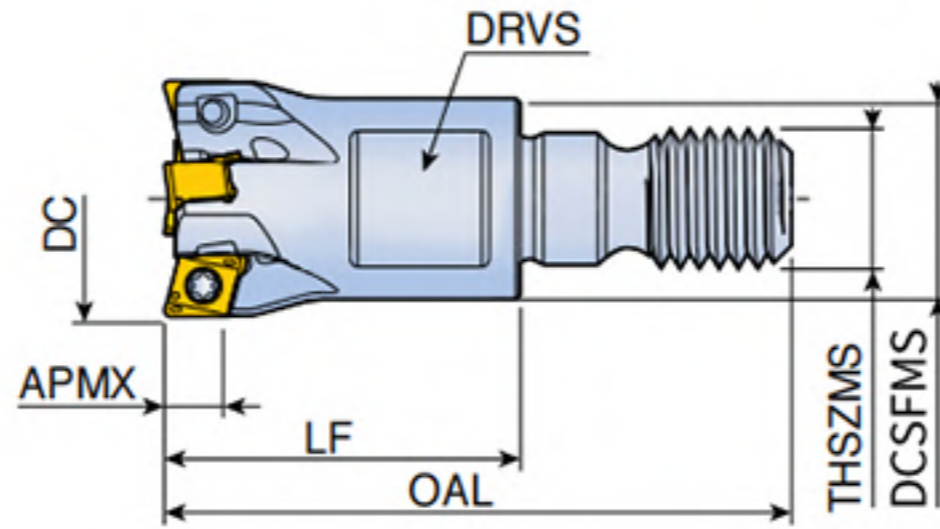
# TM904N04

## 4刃雙面刀片大切深清角鎖牙銑刀頭

High Ramping Modular Heads

4NKT04系列

4NKT04 Series



Designation 型號	CICT 齒數	Dimension (mm)/尺寸							THSZMS 螺紋規格	INSERT 刀片
		APMX	DCX	DC	DCSFMS	OAL	LF	DRVS		
TM904N04-108-M04	1	3.5	8	8	7.8	28	17	7	M4xP0.7	4NKT04...
TM904N04-109-M04	1	3.5	9	9	7.8	28	17	7	M4xP0.7	4NKT04...
TM904N04-210-M05	2	3.5	10	10	9	29	17	7	M5xP0.8	4NKT04...
TM904N04-211-M05	2	3.5	11	11	9	29	17	7	M5xP0.8	4NKT04...
TM904N04-312-M06	3	3.5	12	12	11	32	17	9	M6xP1.0	4NKT04...
TM904N04-313-M06	3	3.5	13	13	11	32	17	9	M6xP1.0	4NKT04...
TM904N04-314-M06	3	3.5	14	14	13	32	17	10	M6xP1.0	4NKT04...
TM904N04-315-M06	3	3.5	15	15	13	32	17	10	M6xP1.0	4NKT04...
TM904N04-416-M08	4	3.5	16	16	15	43	25	12	M8xP1.25	4NKT04...
TM904N04-417-M08	4	3.5	17	17	15	43	25	12	M8xP1.25	4NKT04...

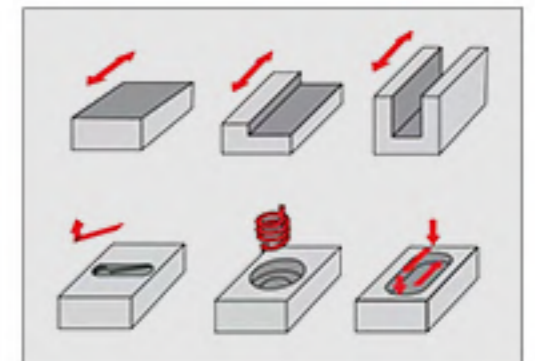
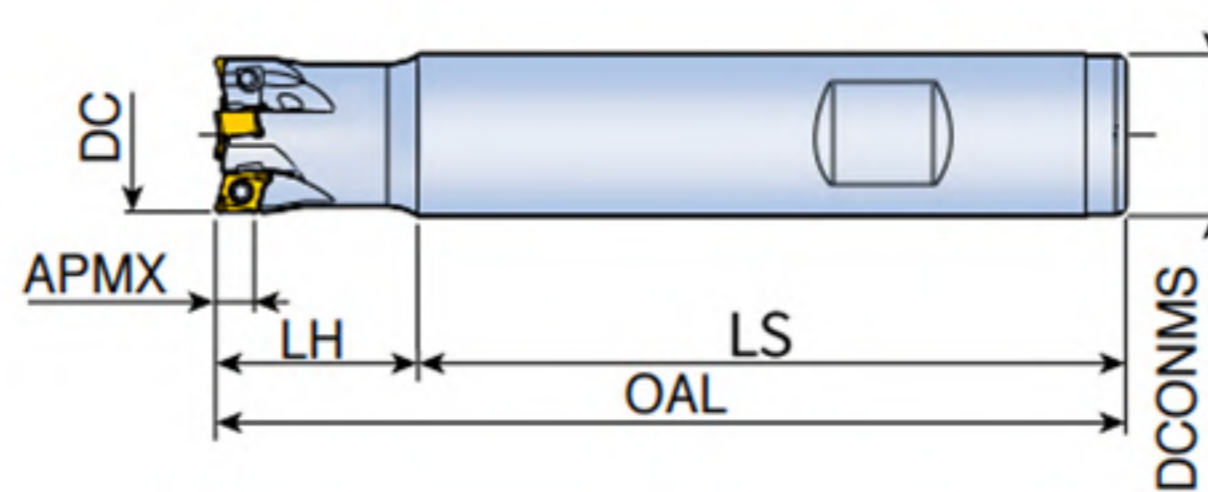
# TE904N04

## 4刃雙面刀片大切深清角銑刀桿

High Ramping End Mills

4NKT04系列

4NKT04 Series



Designation 型號	CICT 齒數	Dimension (mm)/尺寸							INSERT 刀片
		APMX	DCX	DC	DCONMS	OAL	LH	LS	
TE904N04-107-10-80	1	3.5	7	7	10	80	15	65	4NKT04...
TE904N04-108-10-80	1	3.5	8	8	10	80	17	63	4NKT04...
TE904N04-109-10-80	1	3.5	9	9	10	80	19	61	4NKT04...
TE904N04-210-10-80	2	3.5	10	10	10	80	22	58	4NKT04...
TE904N04-211-10-80	2	3.5	11	11	10	80	11	69	4NKT04...
TE904N04-312-12-80	3	3.5	12	12	12	80	26	54	4NKT04...
TE904N04-313-12-80	3	3.5	13	13	12	80	13	67	4NKT04...
TE904N04-314-14-100	3	3.5	14	14	14	100	30	70	4NKT04...
TE904N04-315-14-100	3	3.5	15	15	14	100	15	85	4NKT04...
TE904N04-416-16-120	4	3.5	16	16	16	120	35	85	4NKT04...
TE904N04-417-16-120	4	3.5	17	17	16	120	17	103	4NKT04...

刀片相關資訊請參照第M3-03頁

切削參數請參照第M3-04頁

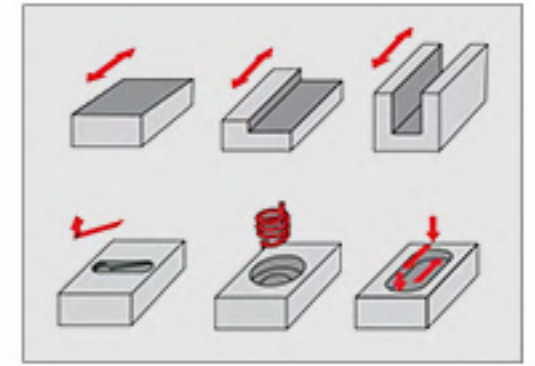
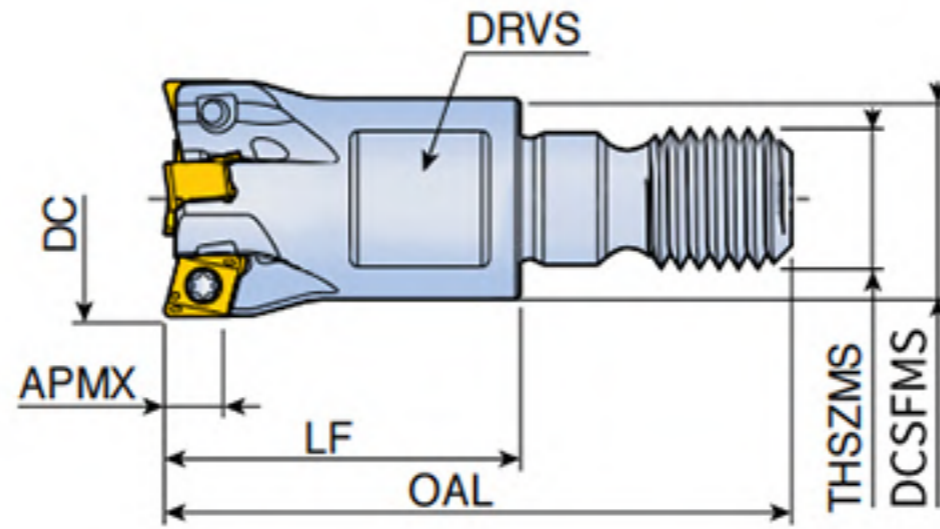
# TM904N06

## 4刃雙面刀片大切深清角鎖牙銑刀頭

High Ramping Modular Heads

4NKT06系列

4NKT06 Series



Designation 型號	CICT 齒數	Dimension (mm)/尺寸							THSZMS 螺紋規格	INSERT 刀片
		APMX	DCX	DC	DCSFMS	OAL	LF	DRVS		
TM904N06-216-M08	2	6	16	16	15	43	25.5	12	M8xP1.25	4NKT06...
TM904N06-217-M08	2	6	17	17	15	43	25.5	12	M8xP1.25	4NKT06...
TM904N06-320-M10	3	6	20	20	19	49	29	15	M10xP1.5	4NKT06...
TM904N06-321-M10	3	6	21	21	19	49	29	15	M10xP1.5	4NKT06...
TM904N06-425-M12	4	6	25	25	24	57	35	19	M12xP1.75	4NKT06...
TM904N06-426-M12	4	6	26	26	24	57	35	19	M12xP1.75	4NKT06...
TM904N06-532-M16	5	6	32	32	31	63	38	24	M16xP2.0	4NKT06...
TM904N06-533-M16	5	6	33	33	31	63	37	24	M16xP2.0	4NKT06...

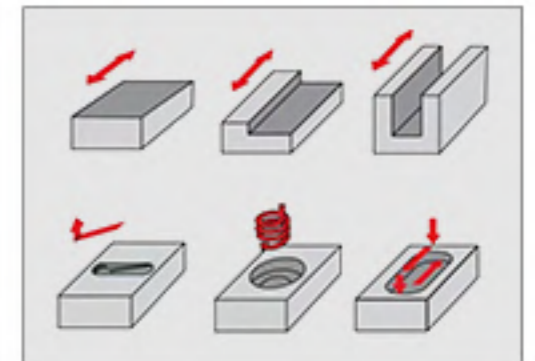
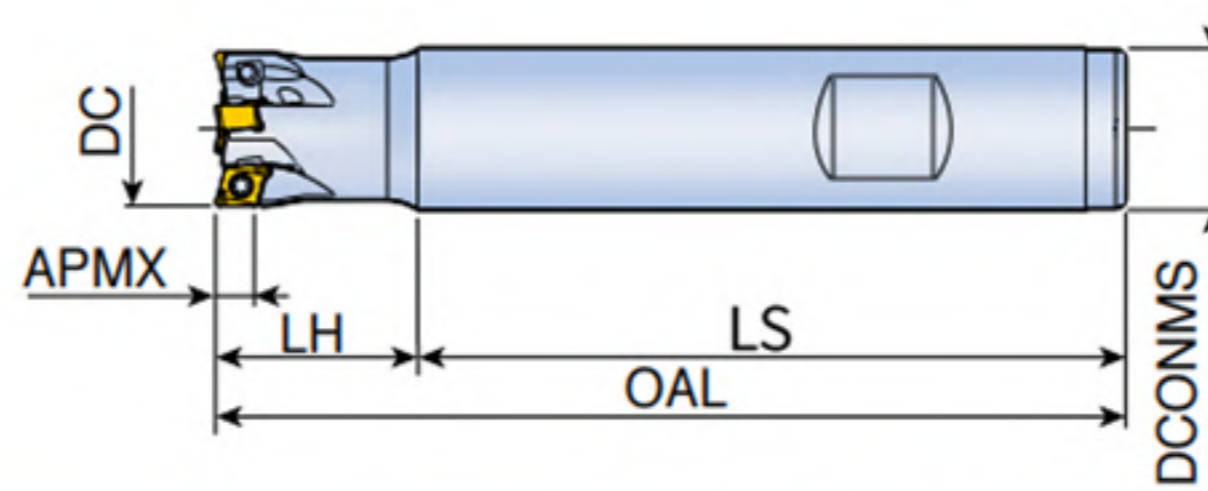
# TE904N06

## 4刃雙面刀片大切深清角銑刀桿

High Ramping End Mills

4NKT06系列

4NKT06 Series



Designation 型號	CICT 齒數	Dimension (mm)/尺寸							INSERT 刀片
		APMX	DCX	DC	DCONMS	OAL	LH	LS	
TE904N06-216-16-120	2	6	16	16	16	120	35	85	4NKT06...
TE904N06-216-16-160	2	6	16	16	16	160	35	125	4NKT06...
TE904N06-217-16-160	2	6	17	17	16	160	17	143	4NKT06...
TE904N06-217-16-200	2	6	17	17	16	200	17	183	4NKT06...
TE904N06-320-20-120	3	6	20	20	20	120	44	79	4NKT06...
TE904N06-320-20-160	3	6	20	20	20	160	44	116	4NKT06...
TE904N06-321-20-160	3	6	21	21	20	160	21	139	4NKT06...
TE904N06-321-20-200	3	6	21	21	20	200	21	179	4NKT06...
TE904N06-425-25-120	4	6	25	25	25	120	55	65	4NKT06...
TE904N06-425-25-160	4	6	25	25	25	160	55	105	4NKT06...
TE904N06-425-25-200	4	6	25	25	25	200	55	145	4NKT06...
TE904N06-426-25-160	4	6	26	26	25	160	26	134	4NKT06...
TE904N06-426-25-200	4	6	26	26	25	200	26	174	4NKT06...
TE904N06-532-32-160	5	6	32	32	32	160	70	90	4NKT06...
TE904N06-532-32-200	5	6	32	32	32	200	70	130	4NKT06...
TE904N06-533-32-160	5	6	33	33	32	160	33	127	4NKT06...
TE904N06-533-32-200	5	6	33	33	32	200	33	167	4NKT06...

刀片相關資訊請參照第M3-03頁

切削參數請參照第M3-04頁



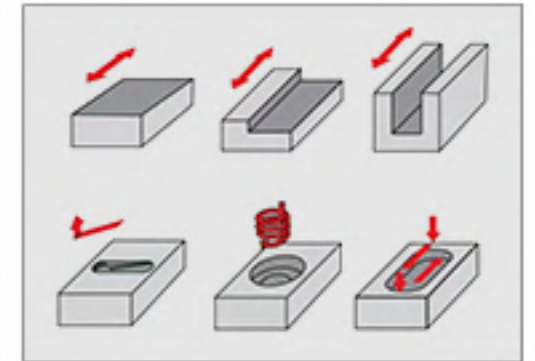
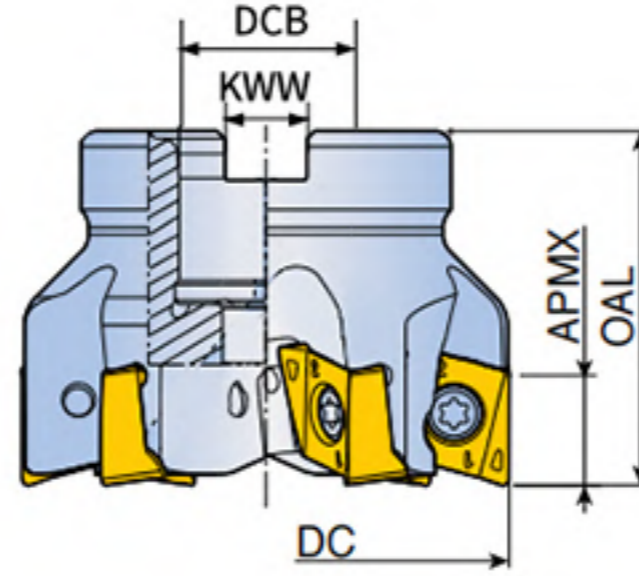
# TF904N06

## 4刃雙面刀片大切深清角銑刀盤

High Ramping Face Mills

4NKT06系列

4NKT06 Series



Designation 型號	CIC 齒數	Dimension (mm)/尺寸							INSERT 刀片
		APMX	DCX	DC	DCB	OAL	KWW	Type	
TF904N06-535-16	5	6	35	35	16	40	8.4	A	4NKT06...
TF904N06-640-16	6	6	40	40	16	40	8.4	A	4NKT06...
TF904N06-650-22	6	6	50	50	22	40	10.4	A	4NKT06...
TF904N06-863-22	8	6	63	63	22	40	10.4	A	4NKT06...
TF904N06-1080-27	10	6	80	80	27	50	12.4	A	4NKT06...

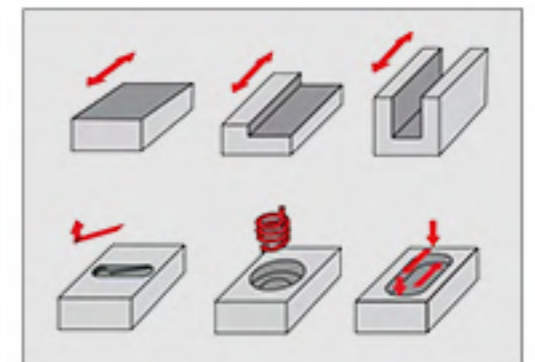
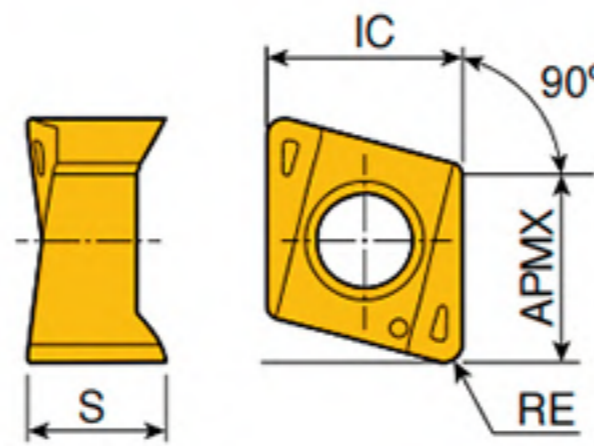
# 4NKT040204

## 4刃雙面清角銑刀片

High Ramping Mill Inserts

4NKT04系列

4NKT04 Series



Designation 型號	Dimension (mm)/尺寸							Grade/材質	
	IC/大小	S/厚度	RE/圓角	APMX/最大切深	Angle/角度	Screw/螺絲	Wrench/扳手	TC3320	TC5520
4NKT040204R-M	4.0	3.1	0.4	3.5	90°	TSA-18040-1	TWA-T6	○	○

○ 開發中

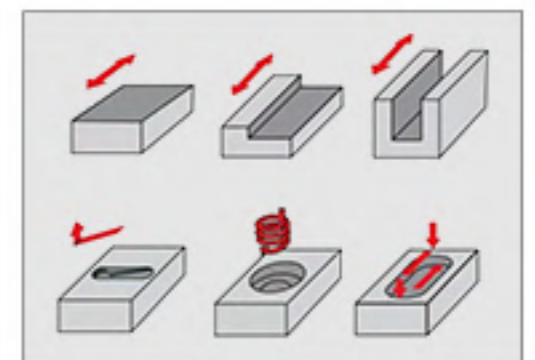
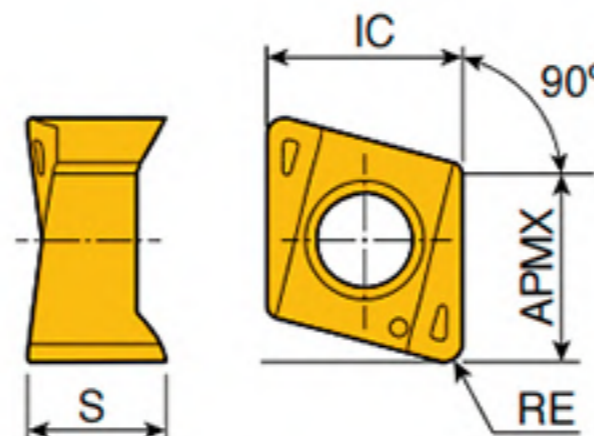
# 4NKT060308

## 4刃雙面清角銑刀片

High Ramping Mill Inserts

4NKT06系列

4NKT06 Series



Designation 型號	Dimension (mm)/尺寸							Grade/材質	
	IC/大小	S/厚度	RE/圓角	APMX/最大切深	Angle/角度	Screw/螺絲	Wrench/扳手	TC3320	TC5520
4NKT060308R-M	6.6	4.67	0.8	6	90°	TSA-30070-1	TWA-T8	○	○

○ 開發中

刀盤相關資訊請參照第M3-03頁

鎖牙銑刀頭、銑刀桿相關資訊請參照第M3-01, M3-02頁

# 4NKT040204/4NKT060308

## 4刃雙面清角銑刀片

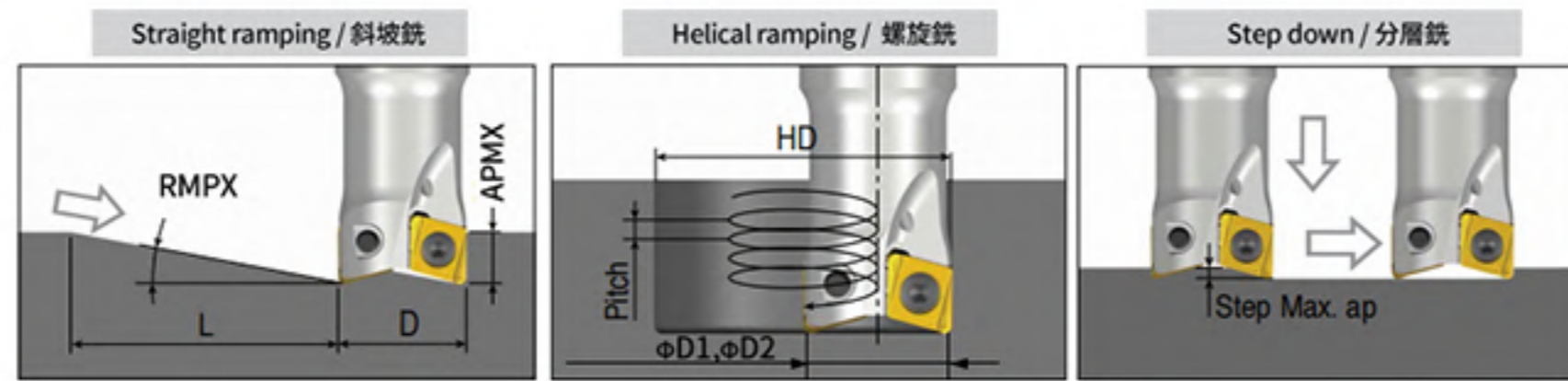
High Ramping Mill Inserts

4NKT04/06系列

4NKT04/06 Series

### 切削參數 / Cutting Conditions

ISO	Material/工件材料	Hardness/硬度	Vc (m/min)/切削速度	fz (mm/t)/每齒進給量
P	碳鋼 S45C, S55C ... C45, C55 ...	-300HB	120-250	0.07-0.15
	合金鋼 SCM440, SCr415 ... 42CrMo4 ...	-300HB	100-220	0.07-0.15
	預硬化鋼 NAK80, PX5 ...	30-40HRC	80-180	0.07-0.15
M	不銹鋼 SUS304, SUS316 ... X5CrNi18-9 X5CrNiMo17-12-2 ...	-200HB	100-250	0.07-0.15
K	灰鑄鐵 FC250, FC300 ... 250, 300 ...	150-250HB	120-300	0.07-0.15
	球墨鑄鐵 FCD400 ... 400-15, 600-3 ...	150-250HB	100-200	0.07-0.15
S	鈦合金 Ti-6Al-4V ...	-40HRC	40-80	0.05-0.1
	耐熱合金 Inconel, Hastelloy...	-40HRC	30-70	0.05-0.1
H	淬火鋼	SKD61 ... X40CrMoV5-1 ...	40-50HRC	40-80
		SKD11 ... X153CrMoV12...	50-60HRC	30-60



### ● 4NKT040204

型號	DCX	APMX	RMPX	Step Max.ap	D1(HD)	D2(HD)	MAX Pich/rev
		最大切深	最大斜坡銑角度	最大分層銑深度	最小加工孔徑	最大加工孔徑	最大軸向切深
TE904N04-107-10...	7	3.5	3.5°	0.4	7.9	14	0.2/2.5
TE904N04-108-10...	8	3.5	3.7°	0.4	9.9	16	0.3/2.8
TE904N04-109-10...	9	3.5	3.9°	0.4	11.9	18	0.5/2.0
TE904N04-210-10...	10	3.5	4.2°	0.5	13.9	20	0.8/2.0
TE904N04-211-10...	11	3.5	4.8°	0.6	15.9	22	1.1/2.5
TE904N04-312-12...	12	3.5	4.5°	0.7	17.9	24	1.2/2.5
TE904N04-313-12...	13	3.5	4.7°	0.8	19.9	26	1.5/2.9
TE904N04-314-14...	14	3.5	4.5°	0.9	21.9	28	1.6/3.0
TE904N04-415-14...	15	3.5	4.3°	0.9	23.9	30	1.8/3.1
TE904N04-416-16...	16	3.5	4.1°	0.9	25.9	32	1.9/3.1
TE904N04-417-16...	17	3.5	3.9°	0.9	27.9	34	1.8/3.0

### ● 4NKT060308

型號	DCX	APMX	RMPX	Step Max.ap	D1(HD)	D2(HD)	MAX Pich/rev
		最大切深	最大斜坡銑角度	最大分層銑深度	最小加工孔徑	最大加工孔徑	最大軸向切深
TE904N06-216-16...	16	6	3.5°	0.7	21.5	32.0	0.8/2.5
TE904N06-218-16...	18	6	4.0°	0.9	25.5	36.0	1.3/3.2
TE904N06-320-20...	20	6	4.2°	1.0	29.5	40.0	1.8/3.7
TE904N06-425-25...	25	6	4.9°	1.5	39.5	50.0	3.1/5.4
TE904N06-532-32...	32	6	3.5°	1.5	53.5	64.0	3.3/4.9
TF904N06-640...	40	6	2.6°	1.5	69.5	80.0	3.4/4.6
TF904N06-650...	50	6	2.0°	1.5	89.5	100.0	3.5/4.4
TF904N06-863...	63	6	1.5°	1.5	115.5	126.0	3.5/4.1
TF904N06-1080...	80	6	1.0°	1.5	149.5	160.0	3.0/3.5

產品的特點: 1. 斜坡加工時可以做到大角度加工。2. 大角度刃口設計, 切削阻力減少, 加工輕快  
3. 真正90度的方肩加工效果, 也適用於多場景加工

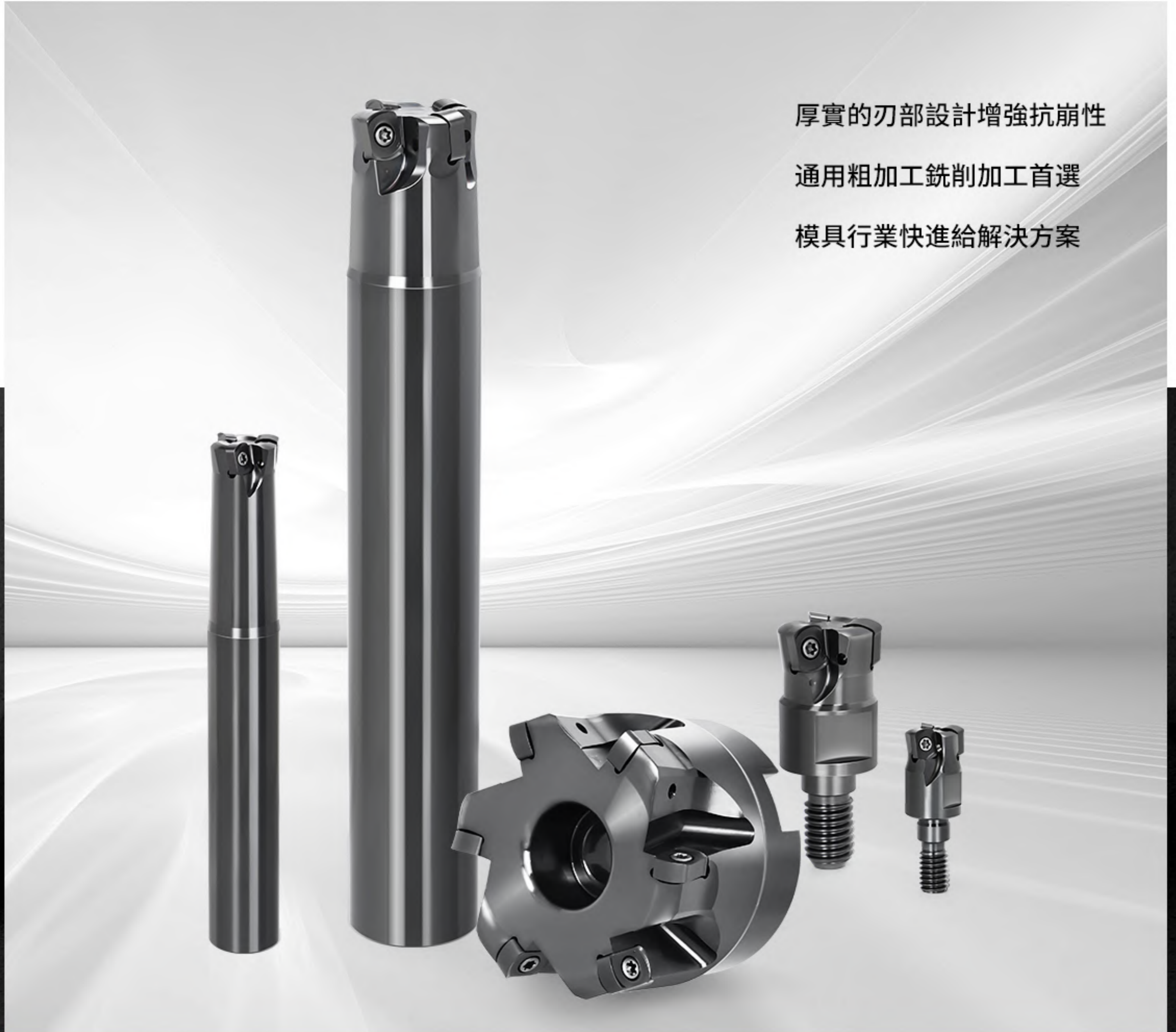


TBB Cutting Tool

M4 Series

快進給銑削系列  
MILLING TOOLS SERIES

**BLMP04 / BLMP06**



厚實的刃部設計增強抗崩性

通用粗加工銑削加工首選

模具行業快進給解決方案

**團隊切削 行家優選**

**TEAMCUTTING EXPERT PREFERRED**

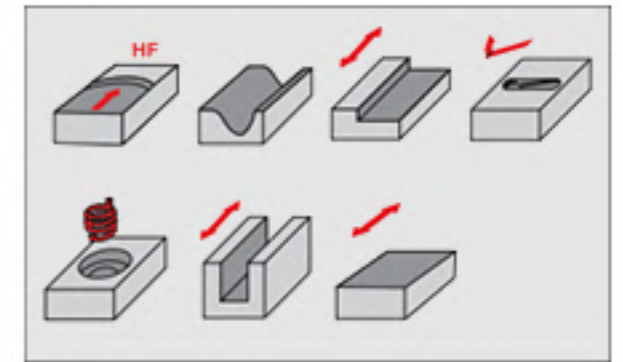
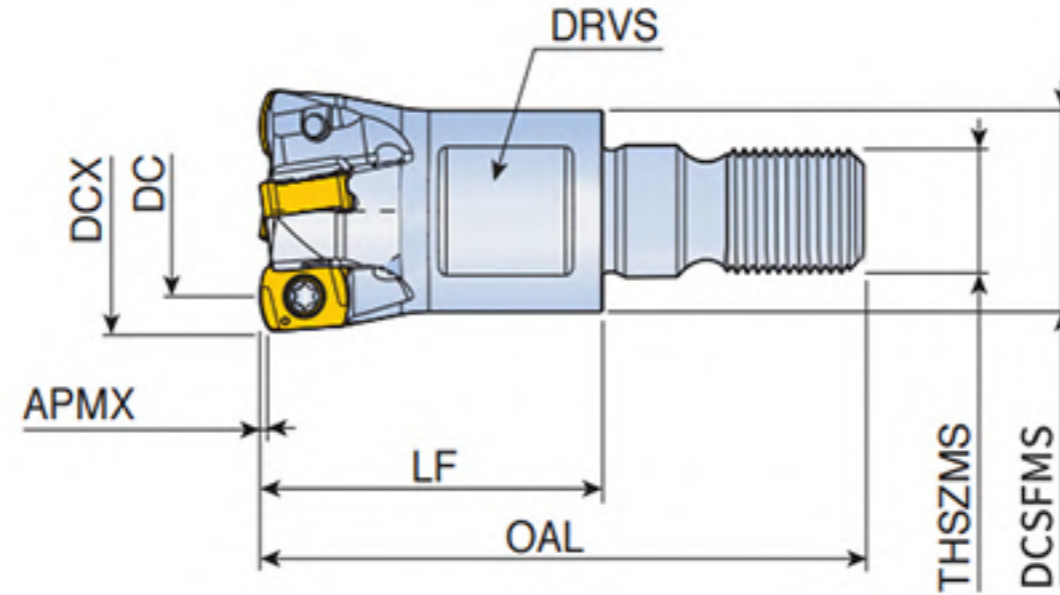
# TMHBL04

## 4刃雙面刀片快進給鎖牙銑刀頭

High Feed Modular Heads

BLMP04系列

BLMP04 Series



Designation 型號	CICT 齒數	Dimension (mm)/尺寸							THSZMS 螺紋規格	INSERT 刀片
		APMX	DCX	DC	DCSFMS	OAL	LF	DRVS		
TMHBL04-312-M06	3	0.5	12	7.6	11	32	17	9	M6xP1.0	BLMP04...
TMHBL04-313-M06	3	0.5	13	8.6	11	32	17	9	M6xP1.0	BLMP04...
TMHBL04-314-M06	3	0.5	14	9.6	13	32	17	10	M6xP1.0	BLMP04...
TMHBL04-315-M06	3	0.5	15	10.6	13	32	17	10	M6xP1.0	BLMP04...
TMHBL04-416-M08	4	0.5	16	11.6	15	43	25	12	M8xP1.25	BLMP04...
TMHBL04-417-M08	4	0.5	17	12.6	15	43	25	12	M8xP1.25	BLMP04...

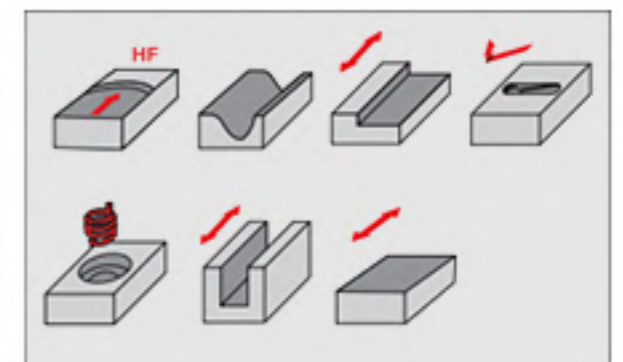
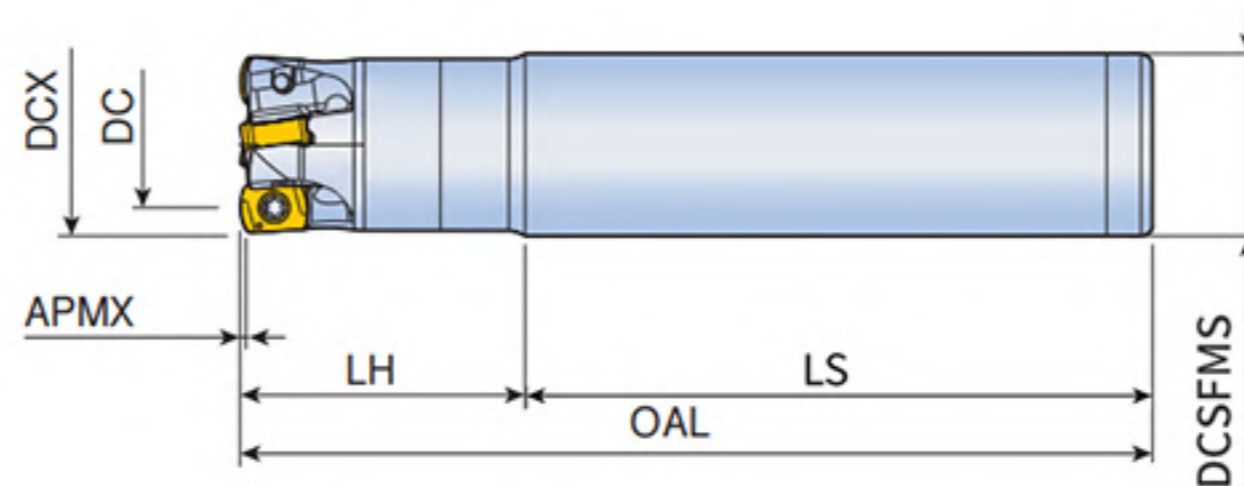
# TEHBL04

## 4刃雙面刀片快進給銑刀桿

High Feed End Mills

BLMP04系列

BLMP04 Series



Designation 型號	CICT 齒數	Dimension (mm)/尺寸							INSERT 刀片
		APMX	DCX	DC	DCSFMS	OAL	LH	LS	
TEHBL04-107-10-80	1	0.5	7	2.8	10	80	17.5	62.5	BLMP04...
TEHBL04-108-10-80	1	0.5	8	3.8	10	80	20	60	BLMP04...
TEHBL04-109-10-80	1	0.5	9	4.8	10	80	22.5	57.5	BLMP04...
TEHBL04-210-10-80	2	0.5	10	5.7	10	80	25	55	BLMP04...
TEHBL04-211-10-80	2	0.5	11	6.6	10	80	20	60	BLMP04...
TEHBL04-312-12-80	3	0.5	12	7.6	12	80	30	50	BLMP04...
TEHBL04-313-12-80	3	0.5	13	8.6	12	80	20	60	BLMP04...
TEHBL04-314-14-100	3	0.5	14	9.6	14	100	35	65	BLMP04...
TEHBL04-315-14-100	3	0.5	15	10.6	14	100	20	80	BLMP04...
TEHBL04-416-16-120	4	0.5	16	11.6	16	120	40	80	BLMP04...
TEHBL04-417-16-120	4	0.5	17	12.6	16	120	20	100	BLMP04...

刀片相關資訊請參照第M4-03頁

切削參數請參照第M4-04頁

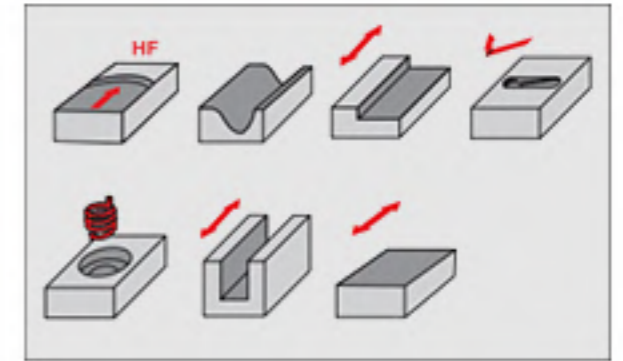
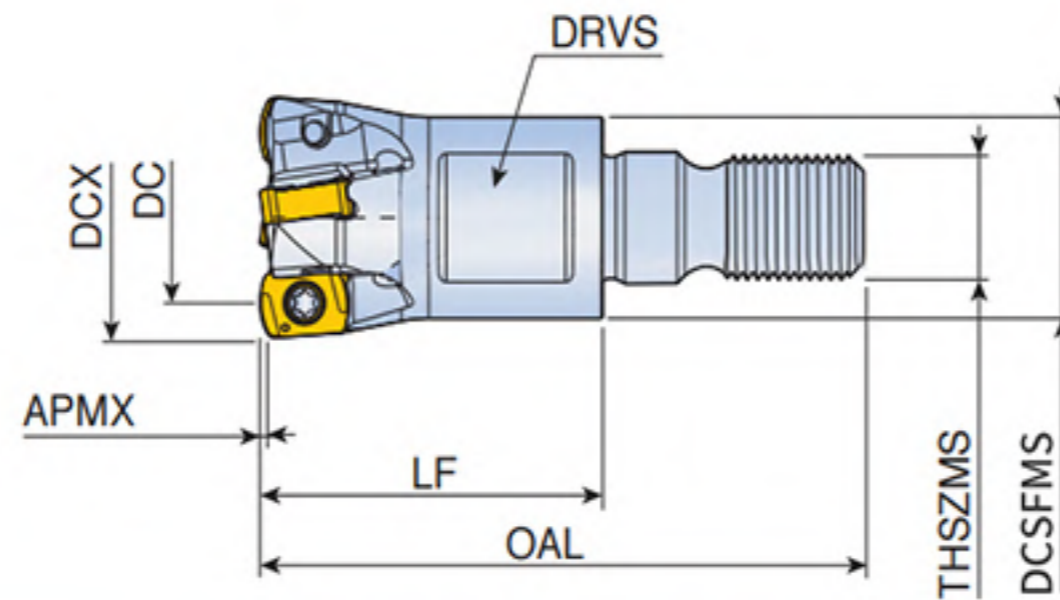
# TMHBL06

## 4刃雙面刀片快進給鎖牙銑刀頭

High Feed Modular Heads

BLMP06系列

BLMP06 Series



Designation 型號	CICT 齒數	Dimension (mm)/尺寸							THSZMS 螺紋規格	INSERT 刀片
		APMX	DCX	DC	DCSFMS	OAL	LF	DRVS		
TMHBL06-216-M08	2	1	16	9.4	15	43	25.5	12	M8xP1.25	BLMP06...
TMHBL06-217-M08	2	1	17	10.1	15	43	25.5	12	M8xP1.25	BLMP06...
TMHBL06-218-M08	2	1	18	11.1	15	43	25.5	12	M8xP1.25	BLMP06...
TMHBL06-320-M10	3	1	20	12.4	19	49	29	15	M10xP1.5	BLMP06...
TMHBL06-321-M10	3	1	21	13.4	19	49	29	15	M10xP1.5	BLMP06...
TMHBL06-425-M12	4	1	25	17.3	24	57	35	19	M12xP1.75	BLMP06...
TMHBL06-426-M12	4	1	26	18.3	24	57	35	19	M12xP1.75	BLMP06...
TMHBL06-430-M16	4	1	30	22.3	29	63	38	24	M16xP2.0	BLMP06...
TMHBL06-532-M16	5	1	32	24.3	31	63	38	24	M16xP2.0	BLMP06...
TMHBL06-533-M16	5	1	33	25.3	31	63	38	24	M16xP2.0	BLMP06...

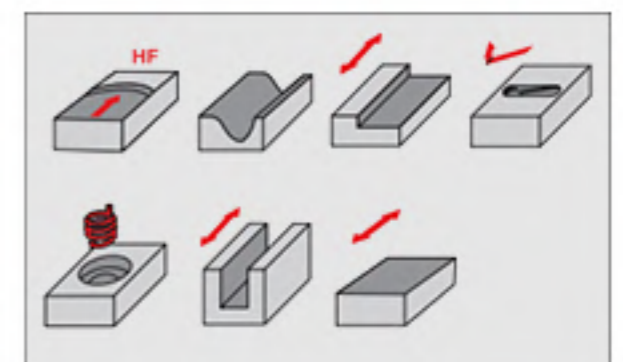
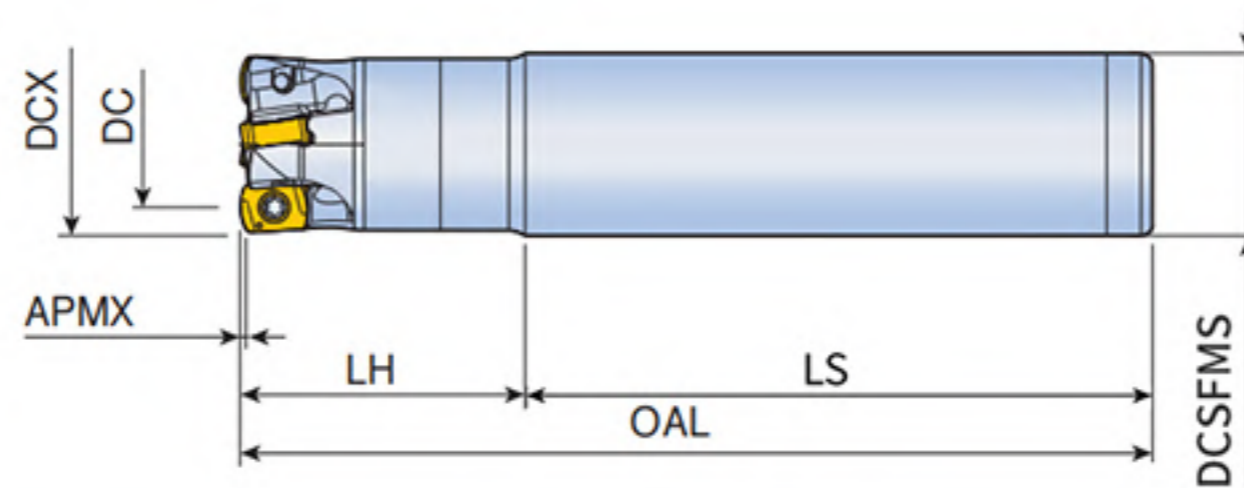
# TEHBL06

## 4刃雙面刀片快進給銑刀桿

High Feed End Mills

BLMP06系列

BLMP06 Series



Designation 型號	CICT 齒數	Dimension (mm)/尺寸							INSERT 刀片
		APMX	DCX	DC	DCSFMS	OAL	LH	LS	
TEHBL06-216-16-120	2	1	16	9.4	16	120	25	95	BLMP06...
TEHBL06-217-16-160	2	1	17	10.1	16	160	15	145	BLMP06...
TEHBL06-320-20-120	3	1	30	12.4	20	120	25	95	BLMP06...
TEHBL06-320-20-160	3	1	20	12.4	20	160	25	135	BLMP06...
TEHBL06-321-20-160	3	1	21	13.4	20	160	20	140	BLMP06...
TEHBL06-321-20-200	3	1	21	13.4	20	200	20	180	BLMP06...
TEHBL06-425-25-160	4	1	25	17.3	25	160	30	130	BLMP06...
TEHBL06-425-25-200	4	1	25	17.3	25	200	30	170	BLMP06...
TEHBL06-426-25-160	4	1	26	18.3	25	160	20	140	BLMP06...
TEHBL06-426-25-200	4	1	26	18.3	25	200	20	180	BLMP06...
TEHBL06-532-32-160	5	1	32	24.3	32	160	35	125	BLMP06...
TEHBL06-532-32-200	5	1	32	24.3	32	200	35	165	BLMP06...
TEHBL06-533-32-160	5	1	33	25.3	32	160	25	135	BLMP06...
TEHBL06-533-32-200	5	1	33	25.3	32	200	25	175	BLMP06...

刀片相關資訊請參照第M4-03頁

切削參數請參照第M4-04頁



TBB Cutting Tool

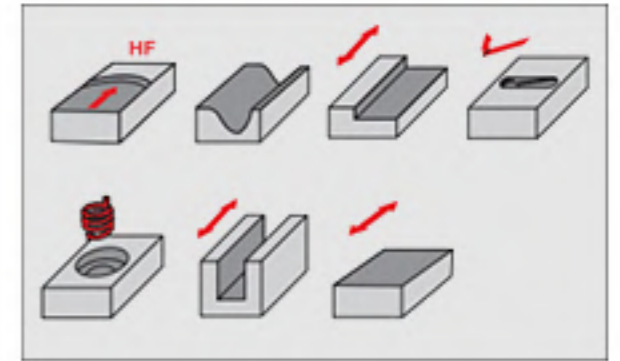
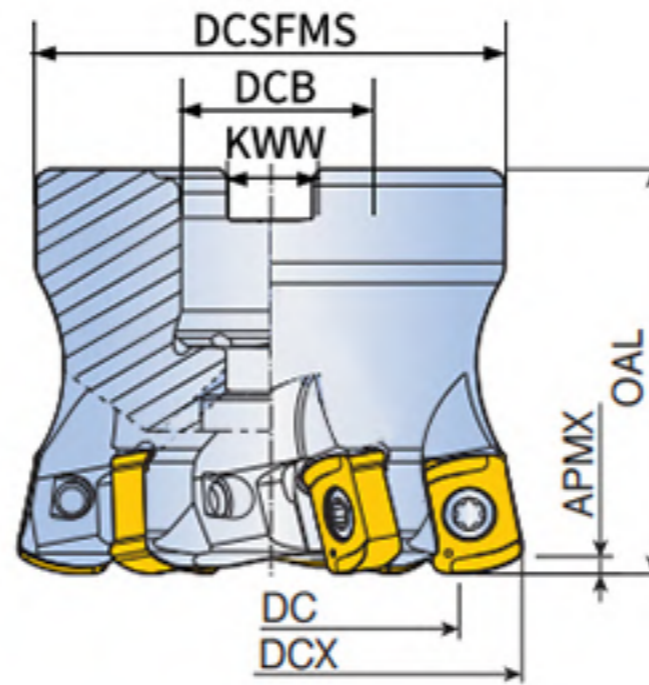
# TFHBL06

## 4刃雙面刀片快進給銑刀盤

High Feed Face Mills

BLMP06系列

BLMP06 Series



Designation 型號	CICT 齒數	Dimension (mm)/尺寸							INSERT 刀片
		APMX	DCX	DC	DCB	OAL	KWW	DCSFMS	
TFHBL06-535-16	5	1	35	27.3	16	40	8.4	32	BLMP06...
TFHBL06-540-16	5	1	40	32.2	16	40	8.4	32	BLMP06...
TFHBL06-650-22	6	1	50	42.2	22	40	10.4	45	BLMP06...
TFHBL06-863-22	8	1	63	55.5	22	40	10.4	48	BLMP06...
TFHBL06-1080-27	10	1	80	72.5	27	50	12.4	60	BLMP06...

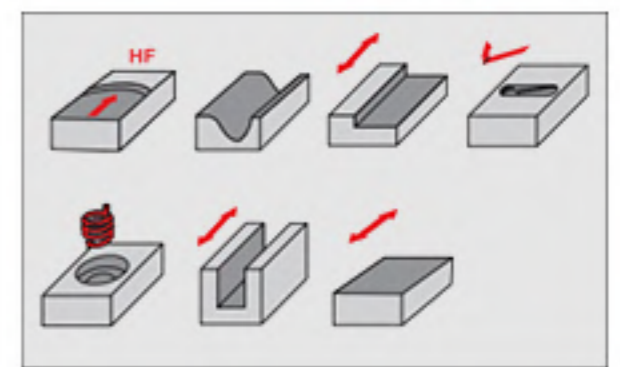
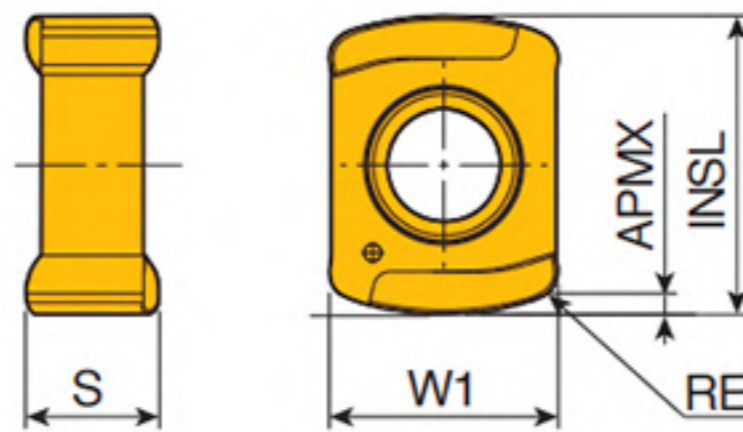
# BLMP0402

## 4刃雙面快進給銑刀片

High Feed Inserts

BLMP04系列

BLMP04 Series



Designation 型號	Dimension (mm)/尺寸						Grade/材質	
	IC/大小	S/厚度	RE/圓角	APMX/最大切深	Screw/螺絲	Wrench/扳手	TC3320	TC5520
BLMP0402R-M	6	2.5	0.5	0.5	TSA-18040-1	TWA-T6	○	○

○ 開發中

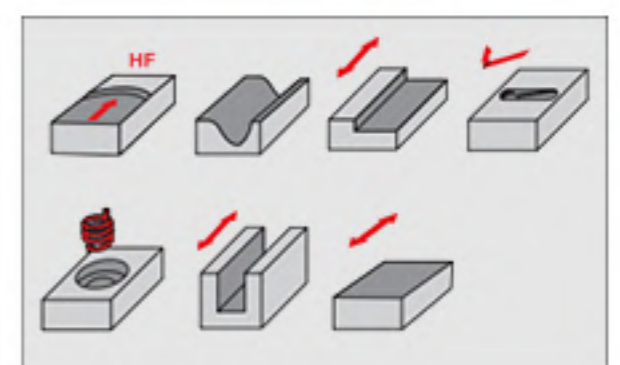
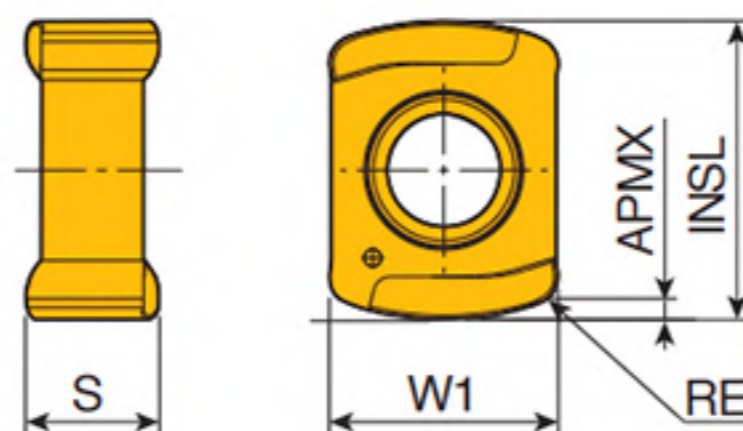
# BLMP0603

## 4刃雙面快進給銑刀片

High Feed Inserts

BLMP06系列

BLMP06 Series



Designation 型號	Dimension (mm)/尺寸						Grade/材質	
	IC/大小	S/厚度	RE/圓角	APMX/最大切深	Screw/螺絲	Wrench/扳手	TC3320	TC5520
BLMP0603R-M	9	3.73	0.9	1	TSA-25070-1	TWA-T8	○	○

○ 開發中

R-M槽型多用於模具、機械加工領域

刀盤相關資訊請參照第M4-03頁

鎖牙銑刀頭、銑刀桿相關資訊請參照第M4-01, M4-02頁

# BLMP0402/BLMP0603

## 4刃雙面快進給銑刀片

High Feed Mill Inserts

BLMP04/BLMP06系列

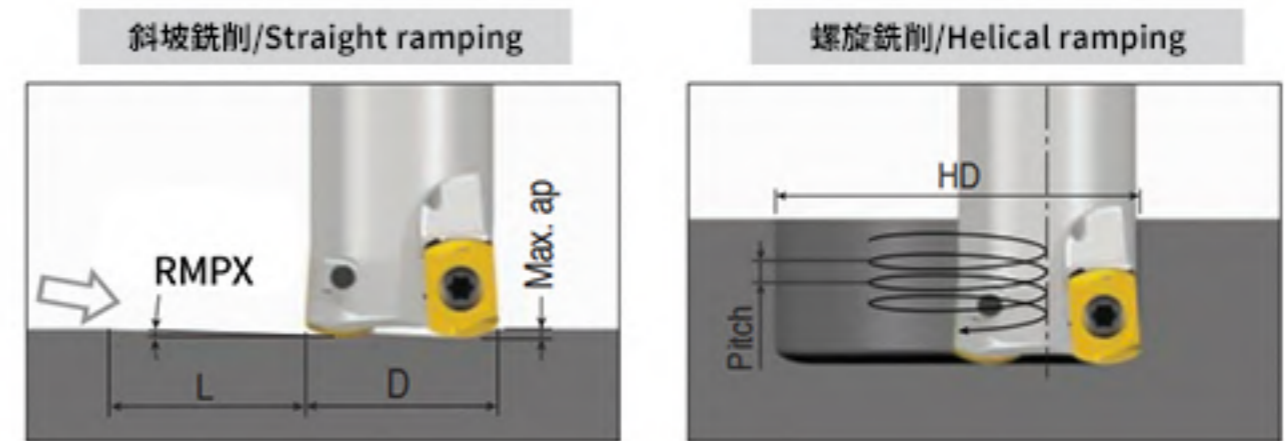
BLMP04/BLMP06 Series

### 切削參數 / Cutting Conditions

ISO	Material/工件材料	Hardness/硬度	Vc (m/min)/切削速度	fz (mm/t)/每齒進給量
P	碳鋼 S45C, S55C ... C45, C55 ...	-300HB	100-300	0.5-3.0
	合金鋼 SCM440, SCr415 ... 42CrMo4 ...	-300HB	120-250	0.4-2.5
	預硬化鋼 NAK80, PX5 ...	30-40HRC	80-160	0.3-2.0
M	不銹鋼 SUS304, SUS316 ... X5CrNi18-9 X5CrNiMo17-12-2 ...	-200HB	100-170	0.3-2.0
K	灰鑄鐵 FC250, FC300 ... 250, 300 ...	150-250HB	100-300	0.5-2.0
	球墨鑄鐵 FCD400 ... 400-15, 600-3 ...	150-250HB	80-200	0.5-2.0
S	鈦合金 Ti-6Al-4V ...	-40HRC	30-80	0.3-1.2
	耐熱合金 Inconel, Hastelloy...	-40HRC	20-60	0.3-1.0
H	淬火鋼	SKD61 ... X40CrMoV5-1 ...	40-50HRC	80-150
		SKD11 ... X153CrMoV12...	50-60HRC	50-70

### 刀具應用注意事項

當使用CAM軟件編程時，該刀具應設置成圓角刀具，通常BLMP04的圓角最大設定值為R=0.9以內，BLMP0603在刀具直徑20mm以內的最大設定值為R=1.5以內，刀具直徑大於20mm的最大設定值為R=2.0。  
如果圓角設置過大會出現過切的情況。



### ● BLMP0402

型號	DCX	斜坡銑削/Straight ramping			螺旋銑削/Helical ramping		
		APMX	RMPX	Min. length (L)	Min. dia.	Max. dia.	Max. pitch/rev.
		最大切深	最大斜坡銑角度	最短距離	最小加工孔徑	最大加工孔徑	最大軸向切深
TEHBL04-108-10-80	8	0.5	0.4°	72	12.6	16	0.1
TEHBL04-210-10-80	10	0.5	0.6°	44	16.6	20	0.2
TEHBL04-211-10-80	11	0.5	0.7°	38	18.6	22	0.2
TEHBL04-312-12-80	12	0.5	1.0°	29	20.6	24	0.4
TEHBL04-313-12-80	13	0.5	1.1°	25	22.6	26	0.5
TEHBL04-314-14-100	14	0.5	1.1°	29	24.6	28	0.5
TEHBL04-315-14-100	15	0.5	1.1°	29	26.6	30	0.5
TEHBL04-416-16-120	16	0.5	1.0°	29	28.6	32	0.5
TEHBL04-417-16-120	17	0.5	1.1°	25	30.6	34	0.5

### ● BLMP0603

型號	DCX	斜坡銑削/Straight ramping			螺旋銑削/Helical ramping		
		APMX	RMPX	Min. length (L)	Min. dia.	Max. dia.	Max. pitch/rev.
		最大切深	最大斜坡銑角度	最短距離	最小加工孔徑	最大加工孔徑	最大軸向切深
TEHBL06-216-16-120	16	1.0	2.0°	13	23	32	0.7
TEHBL06-217-16-160	17	1.0	2.0°	15	25	34	0.7
TEHBL06-320-20-120	20	1.0	1.5°	38	31	40	0.8-1.0
TEHBL06-321-20-160	21	1.0	1.5°	38	33	42	0.8-1.0
TEHBL06-425-25-160	25	1.0	1.3°	41	41	50	1.0
TEHBL06-426-25-200	26	1.0	1.2°	44	43	52	1.0
TEHBL06-532-32-160	32	1.0	0.9°	57	55	64	1.0
TFHBL06-540-16	40	1.0	0.7°	64	71	80	1.0
TFHBL06-650-22	50	1.0	0.5°	96	91	100	1.0
TFHBL06-863-22	63	1.0	0.5°	115	117	126	1.0
TFHBL06-1080-27	80	1.0	0.4°	135	151	160	1.0



TBB Cutting Tool

M5 Series

## 銑削系列 MILLING TOOLS SERIES

# TF45/75/88SN12

雙面八刃設計確保刀片經濟性  
適用多種材料的粗銑、半精銑  
45度、75度、88度三種主偏角  
適用各大品牌SN□X12系列刀片



## 團隊切削 行家優選

TEAMCUTTING EXPERT PREFERRED



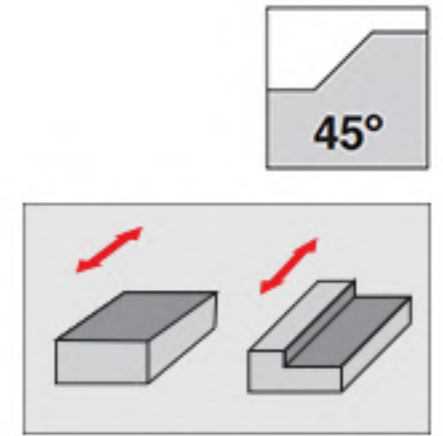
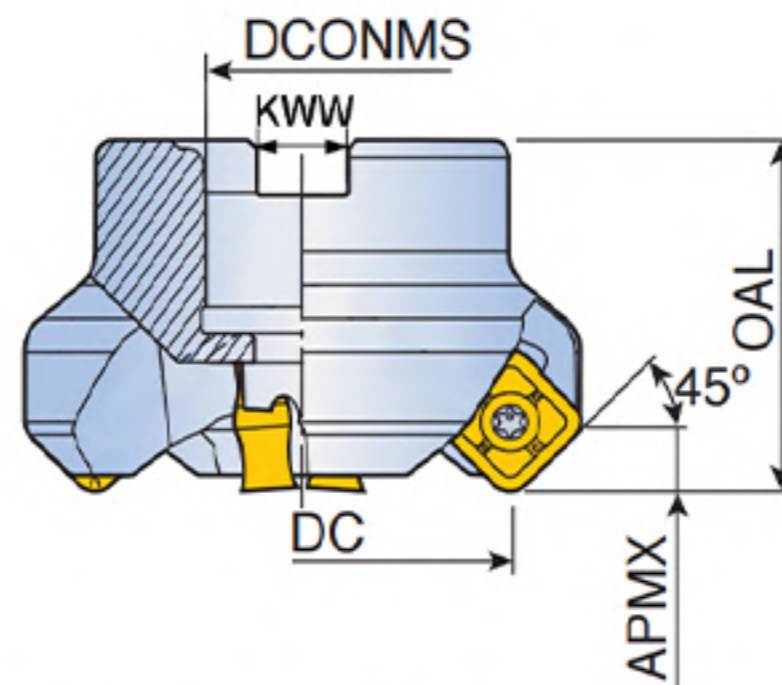
# TF45SN12

## 8刃雙面45°面銑刀盤

45° Face Mills

SN□X1206系列

SN□X1206 Series



Designation 型號	CICT 齒數	Dimension (mm)/尺寸						Angel 角度	INSERT 刀片
		APMX	DC	KWW	DCONMS	OAL	Type		
TF45SN12-450-22	4	6.5	50	8.4	22	40	A	45°	SN□X1206...
TF45SN12-455-22	4	6.5	55	10.4	22	40	A	45°	SN□X1206...
TF45SN12-563-22	5	6.5	63	10.4	22	40	A	45°	SN□X1206...
TF45SN12-570-22	5	6.5	70	12.4	22	40	A	45°	SN□X1206...
TF45SN12-680-27	6	6.5	80	10.4	27	50	A	45°	SN□X1206...
TF45SN12-7100-32	7	6.5	100	10.4	32	50	A	45°	SN□X1206...
TF45SN12-8125-40	8	6.5	125	12.4	40	55	B	45°	SN□X1206...
TF45SN12-10160-40	10	6.5	160	14.4	40	55	B	45°	SN□X1206...
TF45SN12-12200-60	12	6.5	200	16.4	60	55	C	45°	SN□X1206...
TF45SN12-14250-60	14	6.5	250	16.4	60	55	C	45°	SN□X1206...

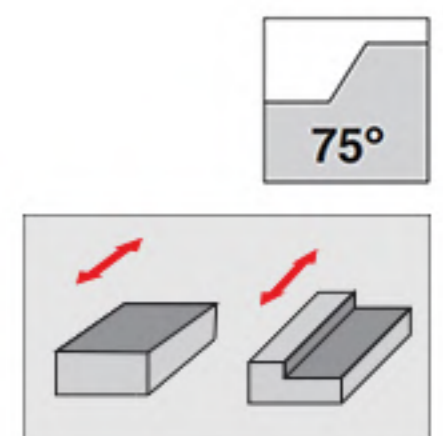
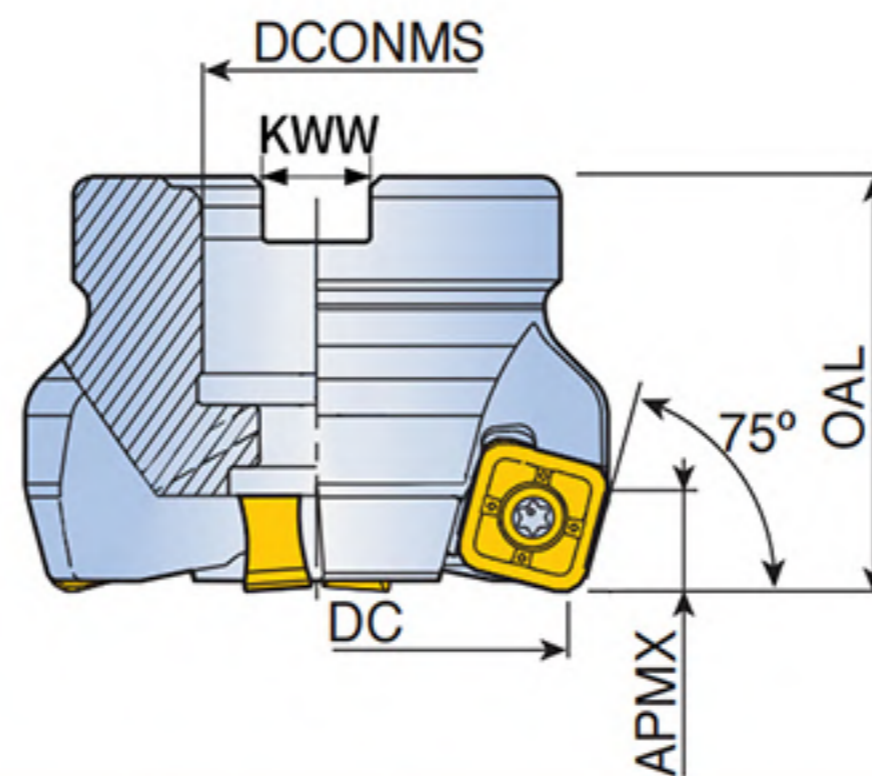
# TF75SN12

## 8刃雙面75°面銑刀盤

75° Face Mills

SN□X1206系列

SN□X1206 Series



Designation 型號	CICT 齒數	Dimension (mm)/尺寸						Angel 角度	INSERT 刀片
		APMX	DC	KWW	DCONMS	OAL	Type		
TF75SN12-450-22	4	8	50	8.4	22	40	A	75°	SN□X1206...
TF75SN12-455-22	4	8	55	10.4	22	40	A	75°	SN□X1206...
TF75SN12-563-22	5	8	63	10.4	22	40	A	75°	SN□X1206...
TF75SN12-570-22	5	8	70	12.4	22	40	A	75°	SN□X1206...
TF75SN12-680-27	6	8	80	10.4	27	50	A	75°	SN□X1206...
TF75SN12-7100-32	7	8	100	10.4	32	50	A	75°	SN□X1206...
TF75SN12-8125-40	8	8	125	12.4	40	55	B	75°	SN□X1206...
TF75SN12-10160-40	10	8	160	14.4	40	55	B	75°	SN□X1206...
TF75SN12-12200-60	12	8	200	16.4	60	55	C	75°	SN□X1206...
TF75SN12-14250-60	14	8	250	16.4	60	55	C	75°	SN□X1206...

刀片相關資訊請參照第M5-02頁

切削參數請參照第M5-03頁

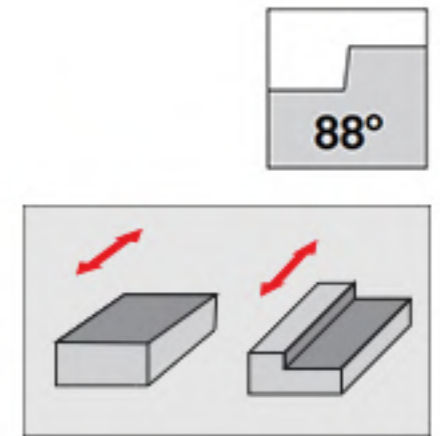
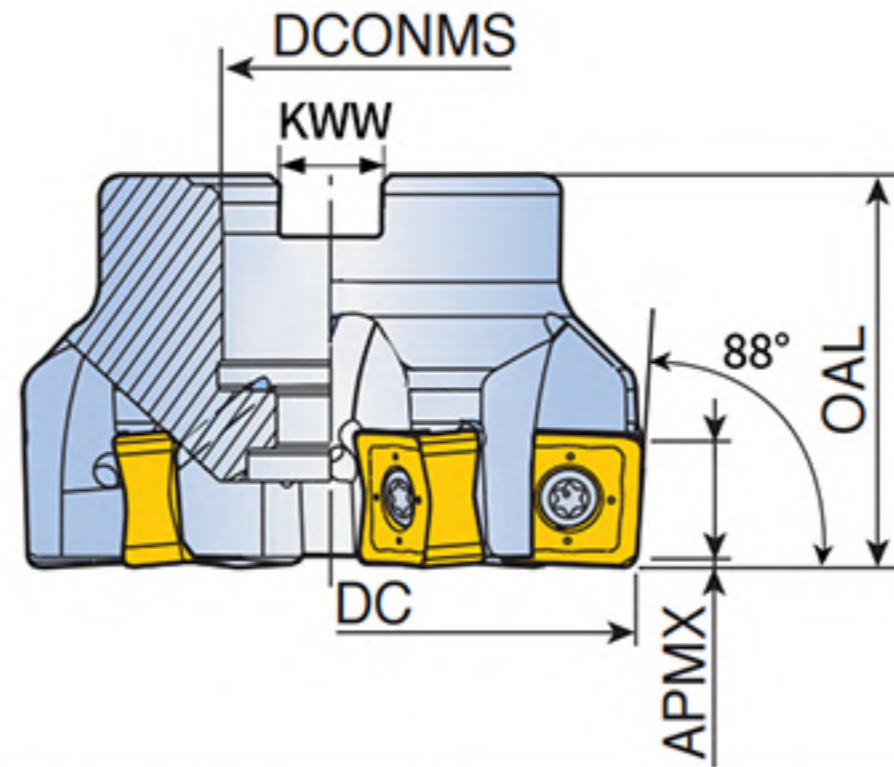
# TF88SN12

## 8刃雙面88°面銑刀盤

88° Face Mills

SN□X1206系列

SN□X1206 Series



Designation 型號	CIC 齒數	Dimension (mm)/尺寸						Angel 角度	INSERT 刀片
		APMX	DC	KWW	DCONMS	OAL	Type		
TF88SN12-450-22	4	10	50	10.4	22	40	A	88°	SN□X1206...
TF88SN12-455-22	4	10	55	10.4	22	40	A	88°	SN□X1206...
TF88SN12-563-22	5	10	63	10.4	22	40	A	88°	SN□X1206...
TF88SN12-570-22	5	10	70	10.4	22	40	A	88°	SN□X1206...
TF88SN12-680-27	6	10	80	12.4	27	50	A	88°	SN□X1206...
TF88SN12-7100-32	7	10	100	14.4	32	50	A	88°	SN□X1206...
TF88SN12-8125-40	8	10	125	16.4	40	55	B	88°	SN□X1206...
TF88SN12-10160-40	10	10	160	16.4	40	55	B	88°	SN□X1206...
TF88SN12-12200-60	12	10	200	25.8	60	55	C	88°	SN□X1206...
TF88SN12-14250-60	14	10	250	25.8	60	55	C	88°	SN□X1206...

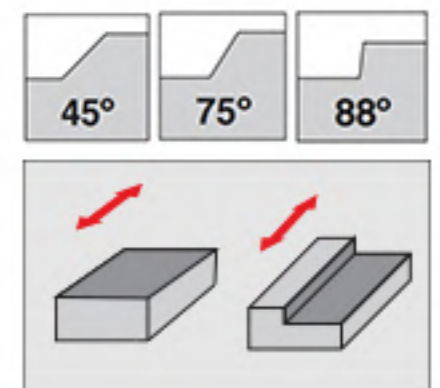
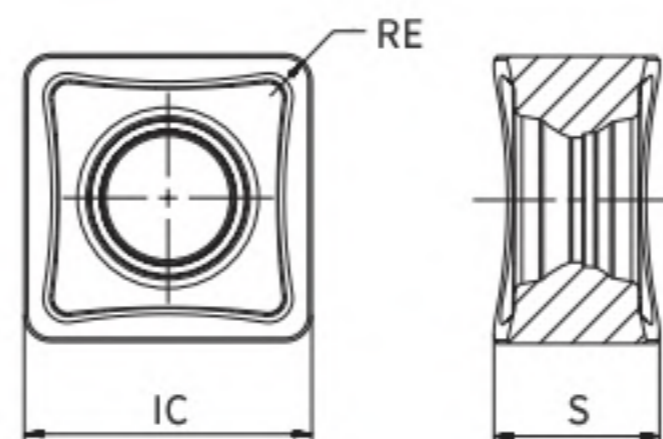
# SN□X1206

## 8刃雙面面銑刀片

Face Mill Inserts

SN□X12系列

SN□X12 Series



Designation 型號	Dimension (mm)/尺寸						Grade/材質	
	IC/大小	S/厚度	RE/圓角	APMX/最大切深	Screw/螺絲	Wrench/扳手	TC3320	TC5520
SNMX120608-MM	12.7	6.98	0.8	6.5-10	TSA-50120-1	TWA-T20	○	○
SNMX120612-MM	12.7	6.98	1.2	6.5-10	TSA-50120-1	TWA-T20	○	○
SNGX120608-MM	12.7	6.98	0.8	6.5-10	TSA-50120-1	TWA-T20	○	○
SNGX120612-MM	12.7	6.98	1.2	6.5-10	TSA-50120-1	TWA-T20	○	○

多數SN□X1205/SN□U1205刀片也可以安裝在此系列刀盤上使用。

○ 開發中

刀片相關資訊請參照第M5-02頁

切削參數請參照第M5-03頁

# SN□X1206



TBB Cutting Tool

## 8刃雙面面銑刀片

Face Mill Inserts

SN□X12系列

SN□X12 Series

### 切削參數 / Cutting Conditions

ISO	Material/工件材料	Hardness/硬度	Vc (m/min)/切削速度	fz (mm/t)/每齒進給量	
P	碳鋼 S45C, S55C ... C45, C55 ...	-300HB	120-300	0.1-0.5	
	合金鋼 SCM440, SCr415 ... 42CrMo4 ...	-300HB	80-250	0.1-0.5	
	預硬化鋼 NAK80, PX5 ...	30-40HRC	80-200	0.1-0.35	
M	不銹鋼 SUS304, SUS316 ... X5CrNi18-9 X5CrNiMo17-12-2 ...	-200HB	80-250	0.1-0.4	
K	灰鑄鐵 FC250, FC300 ... 250, 300 ...	150-250HB	120-350	0.1-0.4	
	球墨鑄鐵 FCD400 ... 400-15, 600-3 ...	150-250HB	100-300	0.1-0.4	
S	鈦合金 Ti-6Al-4V ...	-40HRC	20-50	0.1-0.2	
	耐熱合金 Inconel, Hastelloy...	-40HRC	20-50	0.1-0.2	
H	淬火鋼	SKD61 ... X40CrMoV5-1 ...	40-50HRC	80-150	0.1-0.2
		SKD11 ... X153CrMoV12...	50-60HRC	50-70	0.1-0.2



TBB Cutting Tool

M5-1 Series

銑削系列

MILLING TOOLS SERIES

SNMU13 / PNMU09

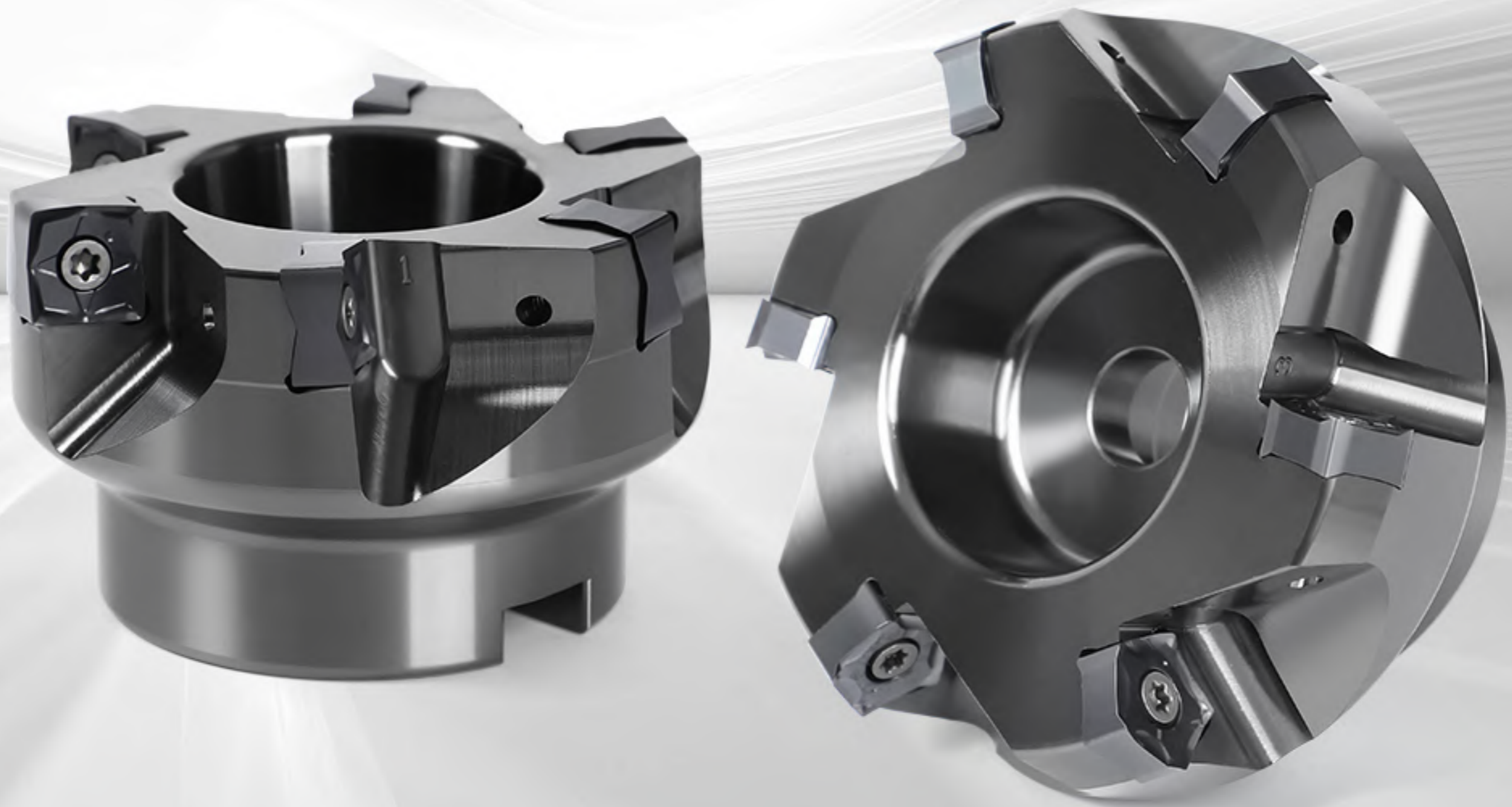
從共用加工到各類加工場景輕鬆應對

**TF88SN13**

方肩粗加工上表現優越，接近90度的加工效果

**TF66PN09**

採用低阻力的10刃雙面刀片，保障經濟性



團隊切削 行家優選

TEAMCUTTING EXPERT PREFERRED

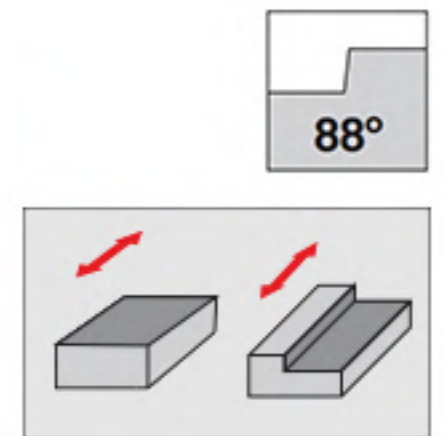
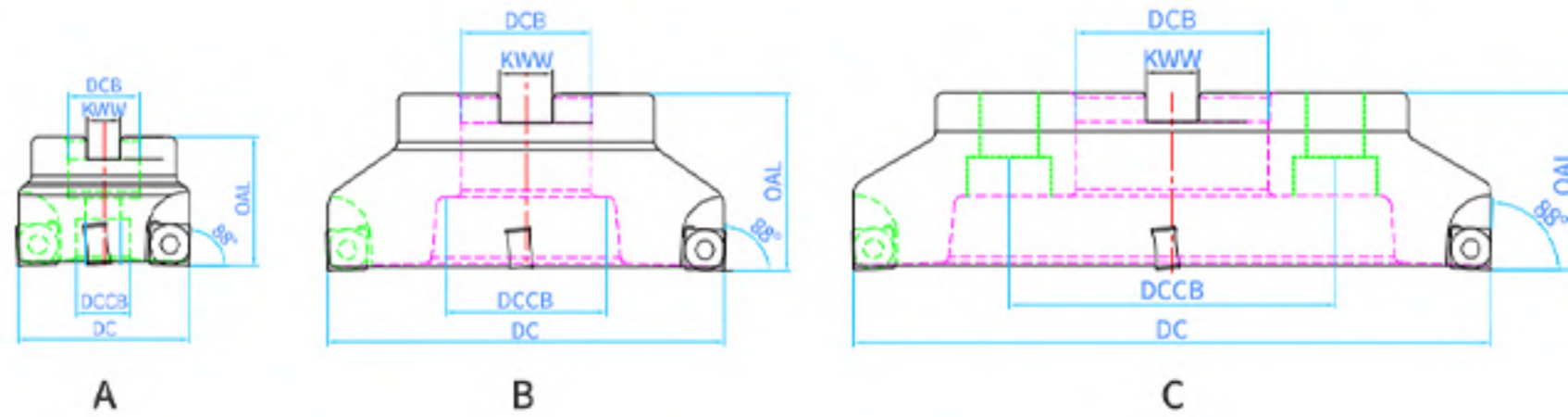
# TF88SN13

## 8刃雙面面銑刀盤

Face Mill Cutter

SNMU13系列

SNMU13 Series



Designation 型號	CICT 齒數	Dimension (mm)/尺寸							Angel 角度	INSERT 刀片
		APMX	DC	DCB	OAL	DCCB	KWW	Type		
TF88SN13-450-22	4	5	50	22	40	17	10.4	A	88°	SNMU13...
TF88SN13-563-22	5	5	63	22	40	17	10.4	A	88°	SNMU13...
TF88SN13-680-27	6	5	80	27	50	34	12.4	A	88°	SNMU13...
TF88SN13-7100-32	7	5	100	32	50	42	14.4	A	88°	SNMU13...
TF88SN13-8125-40	8	5	125	40	55	50	16.4	B	88°	SNMU13...
TF88SN13-10160-40	10	5	160	40	55	80	16.4	B	88°	SNMU13...
TF88SN13-12200-60	12	5	200	60	55	101.6	25.8	C	88°	SNMU13...
TF88SN13-14250-60	14	5	250	60	55	101.6	25.8	C	88°	SNMU13...

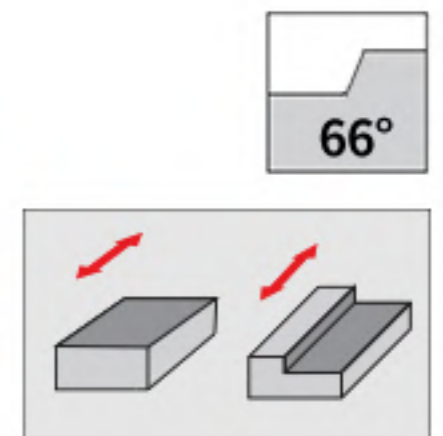
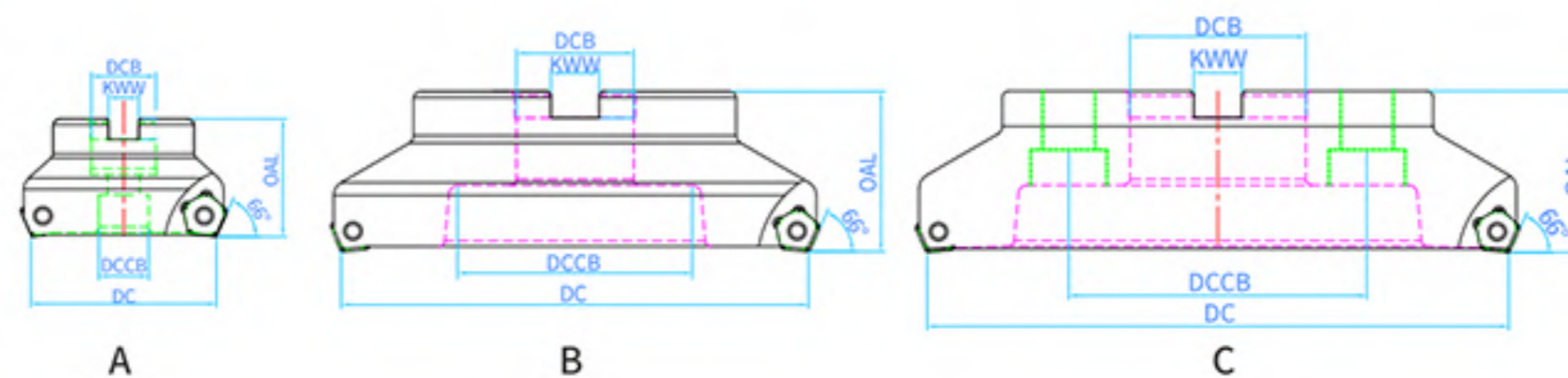
# TF66PN09

## 10刃雙面面銑刀盤

Face Mill Cutter

PNMU09系列

PNMU09 Series



Designation 型號	CICT 齒數	Dimension (mm)/尺寸							Angel 角度	INSERT 刀片
		APMX	DC	DCB	OAL	DCCB	KWW	Type		
TF66PN09-450-22	4	5	50	22	40	17	10.4	A	66°	PNMU09...
TF66PN09-563-22	5	5	63	22	40	17	10.4	A	66°	PNMU09...
TF66PN09-680-27	6	5	80	27	50	34	12.4	A	66°	PNMU09...
TF66PN09-7100-32	7	5	100	32	50	42	14.4	A	66°	PNMU09...
TF66PN09-8125-40	8	5	125	40	55	50	16.4	B	66°	PNMU09...
TF66PN09-10160-40	10	5	160	40	55	80	16.4	B	66°	PNMU09...
TF66PN09-12200-60	12	5	200	60	55	101.6	25.8	C	66°	PNMU09...
TF66PN09-14250-60	14	5	250	60	55	101.6	25.8	C	66°	PNMU09...

刀片相關資訊請參照第M5-1-02頁

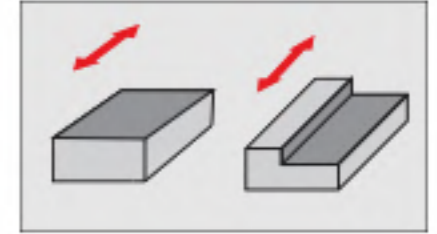
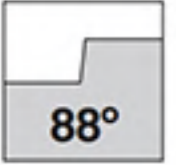
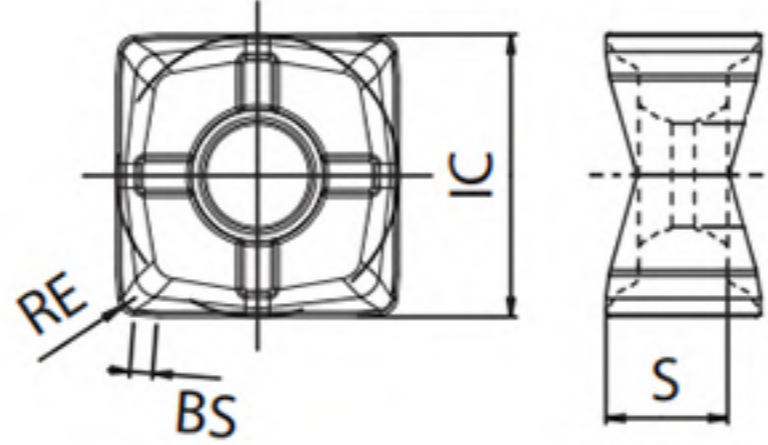
# SNMU1305

## 8刃雙面銑刀片

Face Mill Inserts

SNMU13系列

SNMU13 Series



Designation 型號	Dimension (mm)/尺寸							Grade/材質	
	IC/大小	S/厚度	RE/圓角	APMX/最大切深	BS/刀尖刃口長度	Screw/螺絲	Wrench/扳手	TC3320	TC5520
SNMU130508-GM	13	5.51	0.8	5	1.0	TSA-40100-1	TWA-T15	○	○

○ 開發中

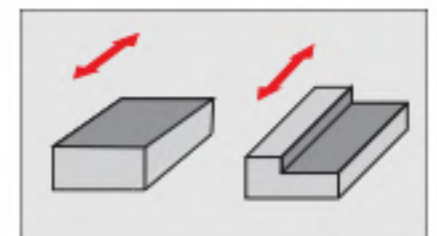
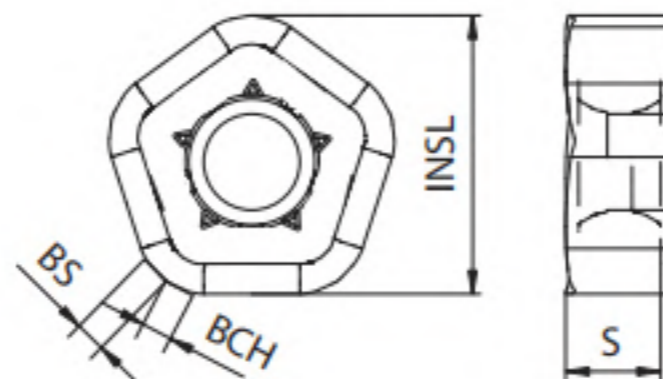
# PNMU0905

## 10刃雙面銑刀片

High Feed Face Mill Inserts

PNMU09系列

PNMU09 Series



Designation 型號	Dimension (mm)/尺寸						Grade/材質		
	INSL/高度	S/厚度	APMX/最大切深	BCH	BS/刀尖刃口長度	Screw/螺絲	Wrench/扳手	TC3320	TC5520
PNMU0905XN-GM	17.98	6.17	5	2.0	2.0	TSA-40100-1	TWA-T15	○	○

○ 開發中



TBB Cutting Tool

M5-2 Series

銑削系列

MILLING TOOLS SERIES

PNCU0905

具有高精度的70°高速面銑刀盤

經濟型的五角雙面10刃刀片

獨特刀片傾角設計確保低切削力



團隊切削 行家優選

TEAMCUTTING EXPERT PREFERRED

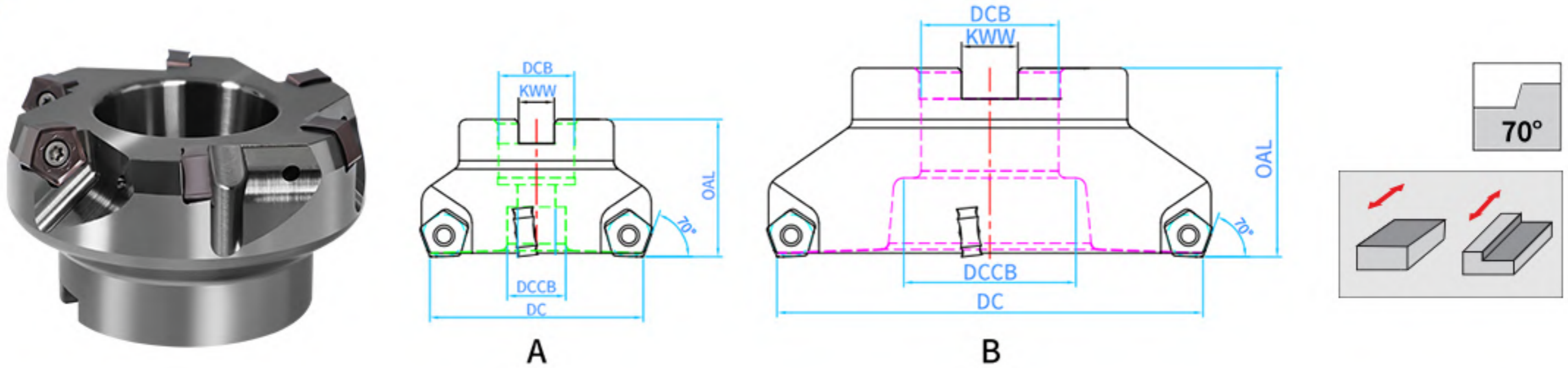
# TF70PN09

## 10刃雙面面銑刀盤

Face Mills

PNCU09系列

PNCU09 Series



Designation 型號	CIC 齒數	Dimension (mm)/尺寸							Angel 角度	INSERT 刀片
		APMX	DC	DCB	OAL	DCCB	KWW	Type		
TF70PN09-450-22	4	6.4	50	22	40	17	10.4	A	70°	PNCU09...
TF70PN09-563-22	5	6.4	63	22	40	17	10.4	A	70°	PNCU09...
TF70PN09-680-27	6	6.4	80	27	50	34	12.4	A	70°	PNCU09...
TF70PN09-7100-32	7	6.4	100	32	50	42	14.4	A	70°	PNCU09...
TF70PN09-8125-40	8	6.4	125	40	55	50	16.4	B	70°	PNCU09...
TF70PN09-10160-40	10	6.4	160	40	55	80	16.4	B	70°	PNCU09...

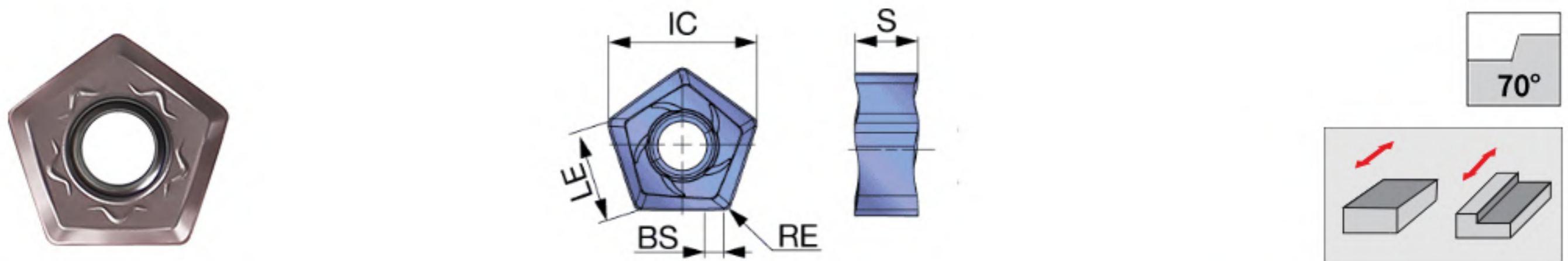
# PNCU0905

## 10刃雙面銑刀片

Face Mill Inserts

PNCU09系列

PNCU09 Series



Designation 型號	Dimension (mm)/尺寸							Grade/材質	
	IC/寬度	S/厚度	LE/邊長	APMX/最大切深	BS/刀尖刃口長度	Screw/螺絲	Wrench/扳手	TC3320	TC5520
PNCU090508ER-MJ	12.20	5.93	8.90	6.40	1.40	TSA-40100-1	TWA-T15	○	○

○ 開發中

刀片相關資訊請參照第M5-2-01頁

刀盤相關資訊請參照第M5-2-01頁





TBB Cutting Tool

M6 Series

## 快進給銑削系列 MILLING TOOLS SERIES

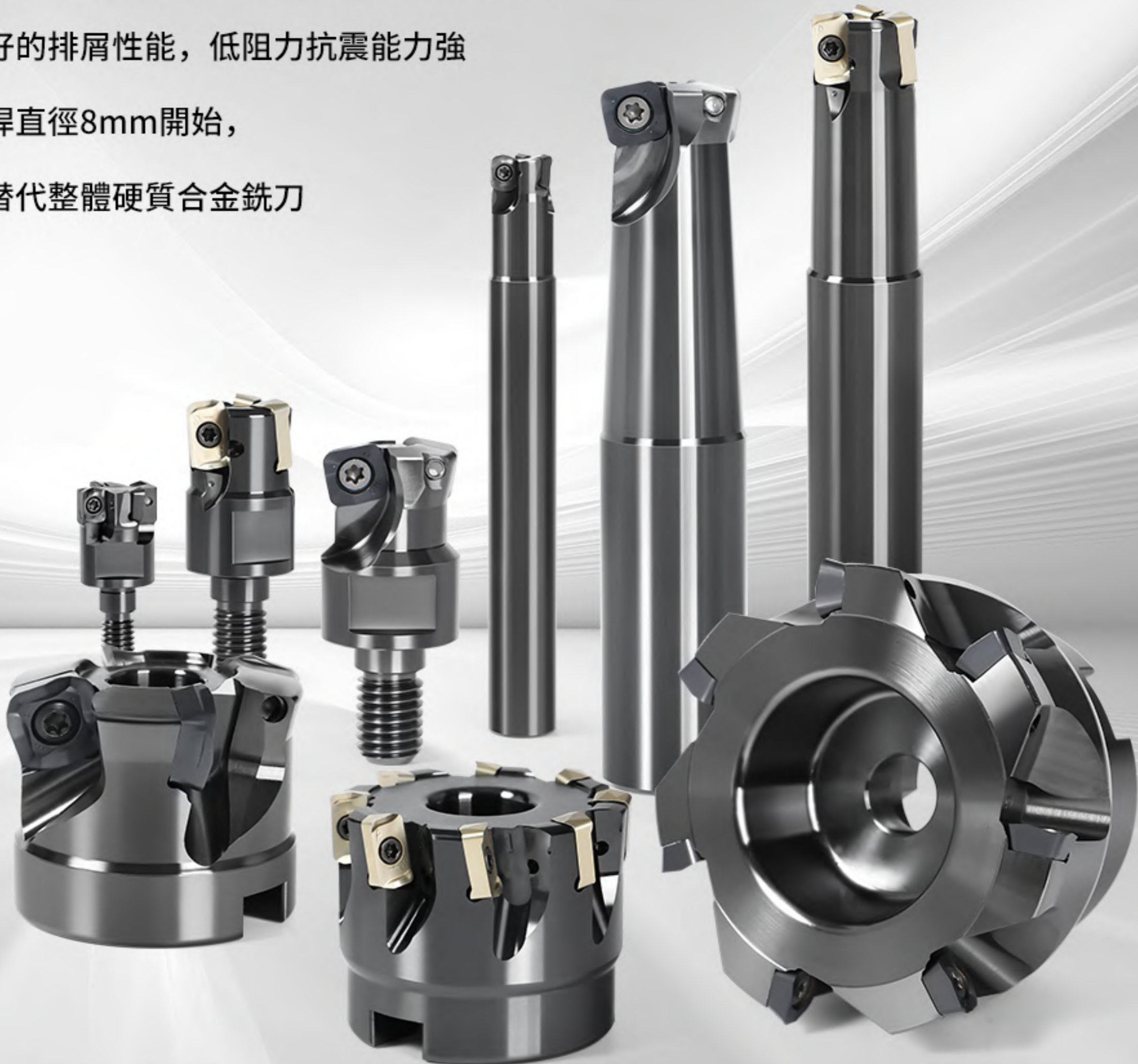
**LPGT01 / LOGU03**  
**SOMT10 / SOMT14**

多刃設計實現高效率加工，縮短粗加工時間

良好的排屑性能，低阻力抗震能力強

刀桿直徑8mm開始，

可替代整體硬質合金銑刀



# 團隊切削 行家優選

TEAMCUTTING EXPERT PREFERRED

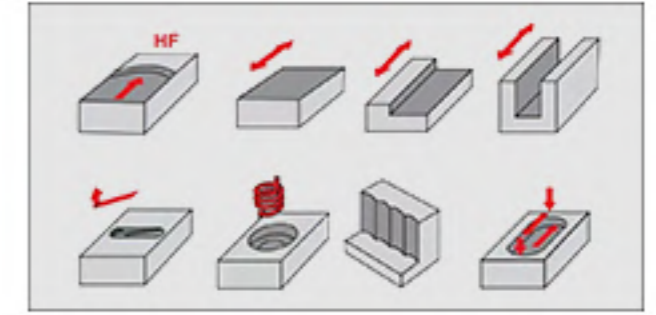
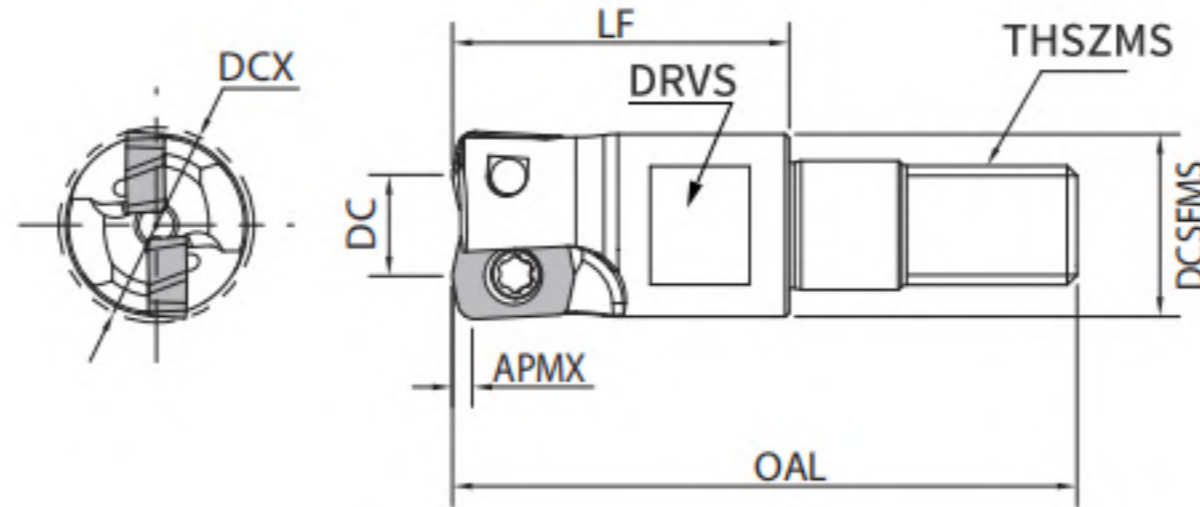
# TMHLP01

## 2刃單面刀片快進給鎖牙銑刀頭

High Feed Modular Heads

LPGT01系列

LPGT01 Series



Designation 型號	CIC 齒數	Dimension (mm)/尺寸							THSZMS 螺紋規格	INSERT 刀片
		APMX	DCX	DC	DCSFMS	OAL	LF	DRVS		
TMHLP01-210-M05	2	0.5	10	6.2	9	29	17	7	M5xP0.8	LPGT01...
TMHLP01-211-M05	2	0.5	11	7.2	9	29	17	7	M5xP0.8	LPGT01...
TMHLP01-312-M06	3	0.5	12	8.2	11	32	17	9	M6xP1.0	LPGT01...
TMHLP01-313-M06	3	0.5	13	9.2	11	32	17	9	M6xP1.0	LPGT01...
TMHLP01-314-M06	3	0.5	14	10.2	13	32	17	10	M6xP1.0	LPGT01...
TMHLP01-415-M06	4	0.5	15	11.2	13	32	17	10	M6xP1.0	LPGT01...
TMHLP01-416-M08	4	0.5	16	12.2	15	43	25	12	M8xP1.25	LPGT01...
TMHLP01-417-M08	4	0.5	17	13.2	15	43	25	12	M8xP1.25	LPGT01...

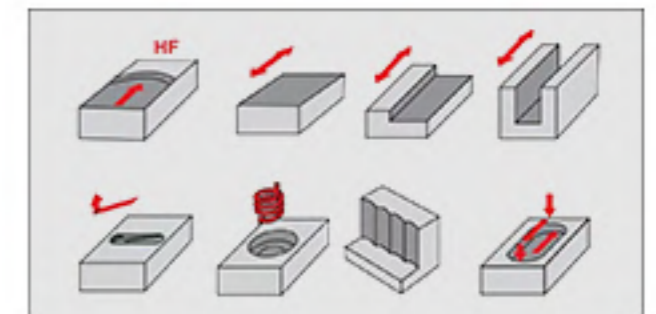
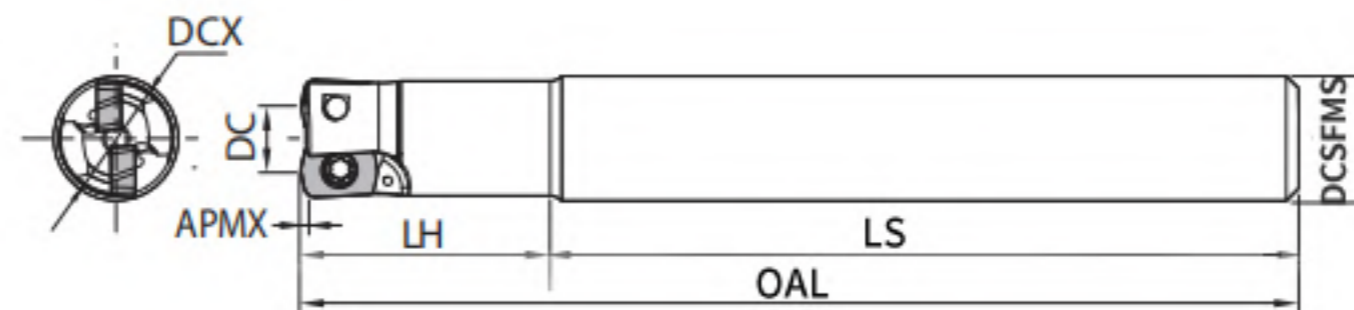
# TEHLP01

## 2刃單面刀片快進給銑刀桿

High Feed End Mills

LPGT01系列

LPGT01 Series



Designation 型號	CIC 齒數	Dimension (mm)/尺寸							INSERT 刀片
		APMX	DCX	DC	DCSFMS	OAL	LH	LS	
TEHLP01-108-10-75	1	0.5	8	4.2	10	75	17	58	LPGT01...
TEHLP01-108-10-100	1	0.5	8	4.2	10	100	17	83	LPGT01...
TEHLP01-109-10-100	1	0.5	9	5.2	10	100	19	81	LPGT01...
TEHLP01-210-10-80	2	0.5	10	6.2	10	80	22	58	LPGT01...
TEHLP01-210-10-100	2	0.5	10	6.2	10	100	22	78	LPGT01...
TEHLP01-211-10-100	2	0.5	11	7.2	10	100	11	89	LPGT01...
TEHLP01-312-12-80	3	0.5	12	8.2	12	80	26	54	LPGT01...
TEHLP01-312-12-100	3	0.5	12	8.2	12	100	26	74	LPGT01...
TEHLP01-313-12-100	3	0.5	13	9.2	12	100	13	87	LPGT01...
TEHLP01-314-16-120	3	0.5	14	10.2	16	120	30	90	LPGT01...
TEHLP01-415-16-120	4	0.5	15	11.2	14	120	15	105	LPGT01...
TEHLP01-416-16-120	4	0.5	16	12.2	10	120	35	85	LPGT01...

可插銑，最大橫切深 (ae) 1.7mm  
 刀片相關資訊請參照第M6-05頁

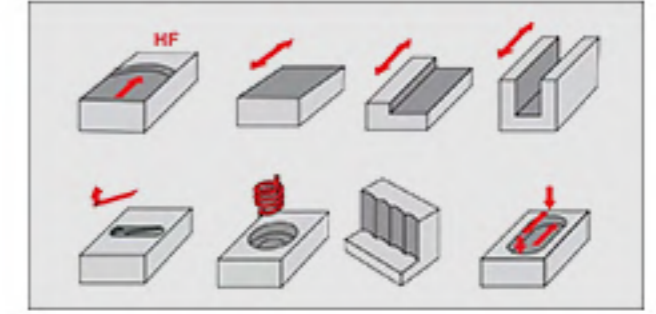
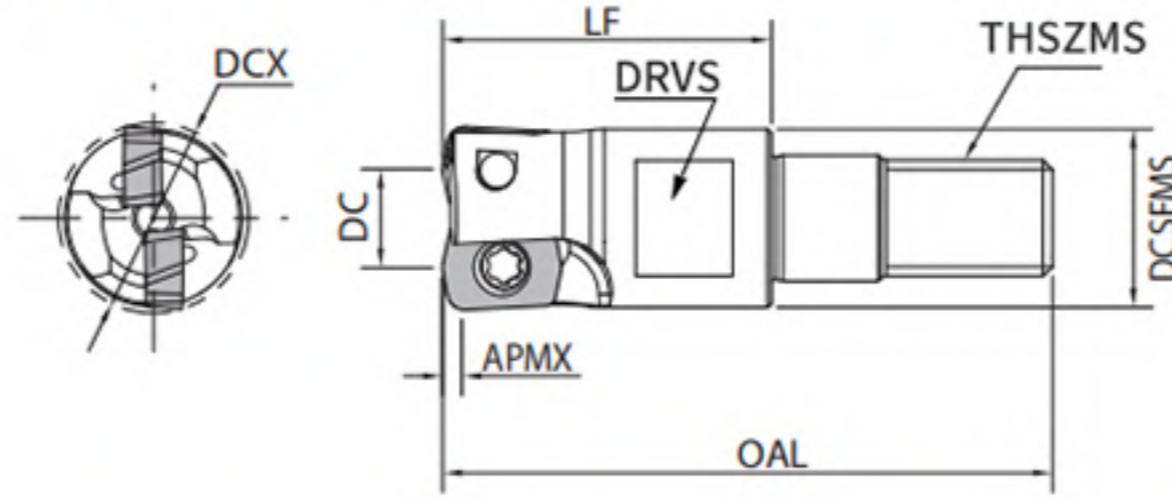
# TMHLO03

## 4刃雙面刀片快進給鎖牙銑刀頭

High Feed Modular Heads

LOGU03系列

LOGU03 Series



Designation 型號	CICT 齒數	Dimension (mm)/尺寸							THSZMS 螺紋規格	INSERT 刀片
		APMX	DCX	DC	DCSFMS	OAL	LF	DRVS		
TMHLO03-216-M08	2	1	16	8	15	43	25	12	M8xP1.25	LOGU03...
TMHLO03-217-M08	2	1	17	9	15	43	25	12	M8xP1.25	LOGU03...
TMHLO03-218-M08	2	1	18	10	15	43	25	12	M8xP1.25	LOGU03...
TMHLO03-320-M10	3	1	20	12	19	49	29	15	M10xP1.5	LOGU03...
TMHLO03-321-M10	3	1	21	13	19	49	29	15	M10xP1.5	LOGU03...
TMHLO03-425-M12	4	1	25	17	24	57	35	19	M12xP1.75	LOGU03...
TMHLO03-426-M12	4	1	26	18	24	57	35	19	M12xP1.75	LOGU03...
TMHLO03-428-M12	4	1	28	20	24	57	35	19	M12xP1.75	LOGU03...
TMHLO03-532-M16	5	1	32	24	31	63	38	24	M16xP2.0	LOGU03...
TMHLO03-535-M16	5	1	35	27	31	63	38	24	M16xP2.0	LOGU03...

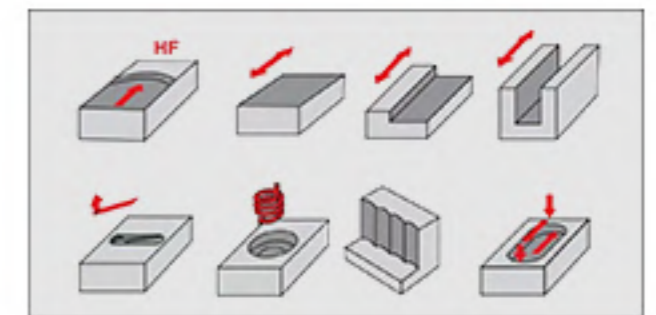
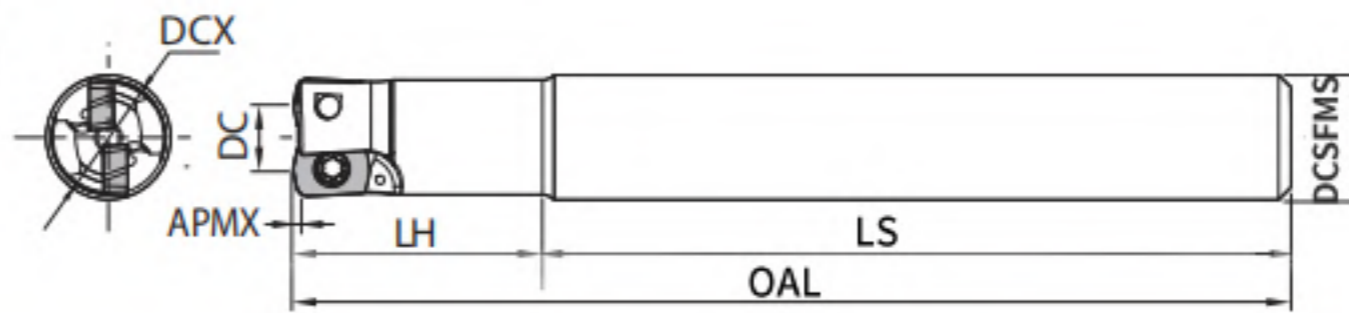
# TEHLO03

## 4刃雙面刀片快進給銑刀桿

High Feed End Mills

LOGU03系列

LOGU03 Series



Designation 型號	CICT 齒數	Dimension (mm)/尺寸							INSERT 刀片
		APMX	DCX	DC	DCSFMS	OAL	LH	LS	
TEHLO03-216-16-100	2	1	16	8	16	100	35	65	LOGU03...
TEHLO03-216-16-160	2	1	16	8	16	160	35	125	LOGU03...
TEHLO03-217-16-100	2	1	17	9	16	100	35	65	LOGU03...
TEHLO03-217-16-120	2	1	17	9	16	120	17	103	LOGU03...
TEHLO03-217-16-160	2	1	17	9	16	160	17	143	LOGU03...
TEHLO03-320-20-120	3	1	20	12	20	120	17	103	LOGU03...
TEHLO03-320-20-160	3	1	20	12	20	160	44	116	LOGU03...
TEHLO03-320-20-200	3	1	20	12	20	200	44	156	LOGU03...
TEHLO03-321-20-120	3	1	21	13	20	120	21	99	LOGU03...
TEHLO03-321-20-160	3	1	21	13	20	160	21	139	LOGU03...
TEHLO03-321-20-200	3	1	21	13	20	200	21	179	LOGU03...
TEHLO03-425-25-120	4	1	25	17	25	120	55	65	LOGU03...
TEHLO03-425-25-160	4	1	25	17	25	160	55	105	LOGU03...
TEHLO03-425-25-180	4	1	25	17	25	180	55	125	LOGU03...
TEHLO03-425-25-200	4	1	25	17	25	200	55	145	LOGU03...
TEHLO03-426-25-120	4	1	26	18	25	120	26	94	LOGU03...
TEHLO03-426-25-160	4	1	26	18	25	160	26	134	LOGU03...
TEHLO03-426-25-200	4	1	26	18	25	200	26	174	LOGU03...
TEHLO03-528-25-160	5	1	28	20	25	160	28	132	LOGU03...
TEHLO03-530-25-160	5	1	30	22	25	160	30	130	LOGU03...
TEHLO03-532-32-120	5	1	32	24	32	120	64	56	LOGU03...
TEHLO03-532-32-160	5	1	32	24	32	160	70	90	LOGU03...
TEHLO03-532-32-200	5	1	32	24	32	200	70	130	LOGU03...
TEHLO03-533-32-160	5	1	33	25	32	160	33	127	LOGU03...
TEHLO03-533-32-200	5	1	33	25	32	200	33	167	LOGU03...

可插銑，最大橫切深 (ae) 3.5mm

刀片相關資訊請參照第M6-05頁

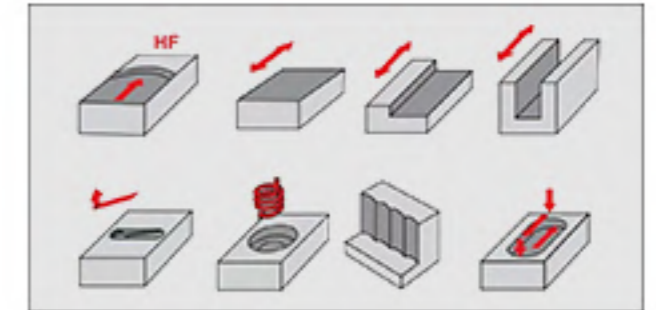
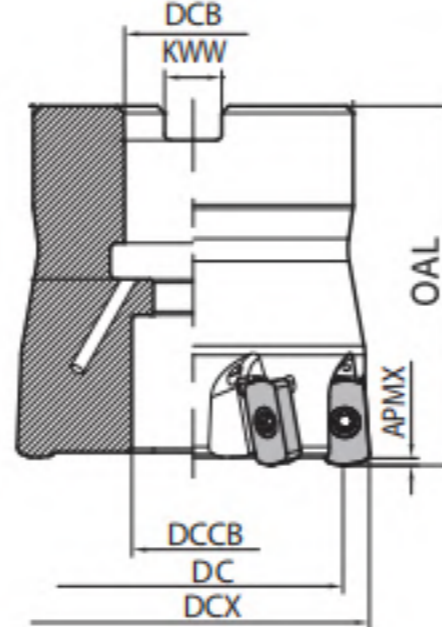


TBB Cutting Tool

# TFHLO03

4刃雙面刀片快進給銑刀盤  
High Feed Face Mills

LOGU03系列  
LOGU03 Series

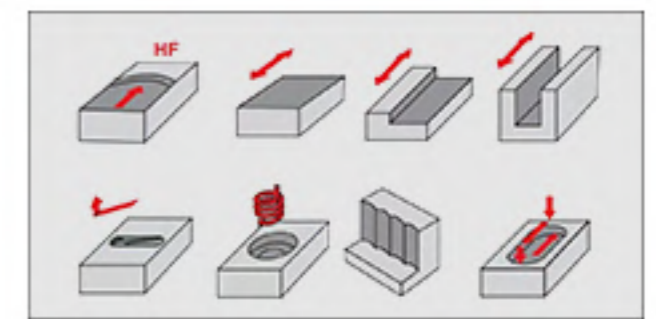
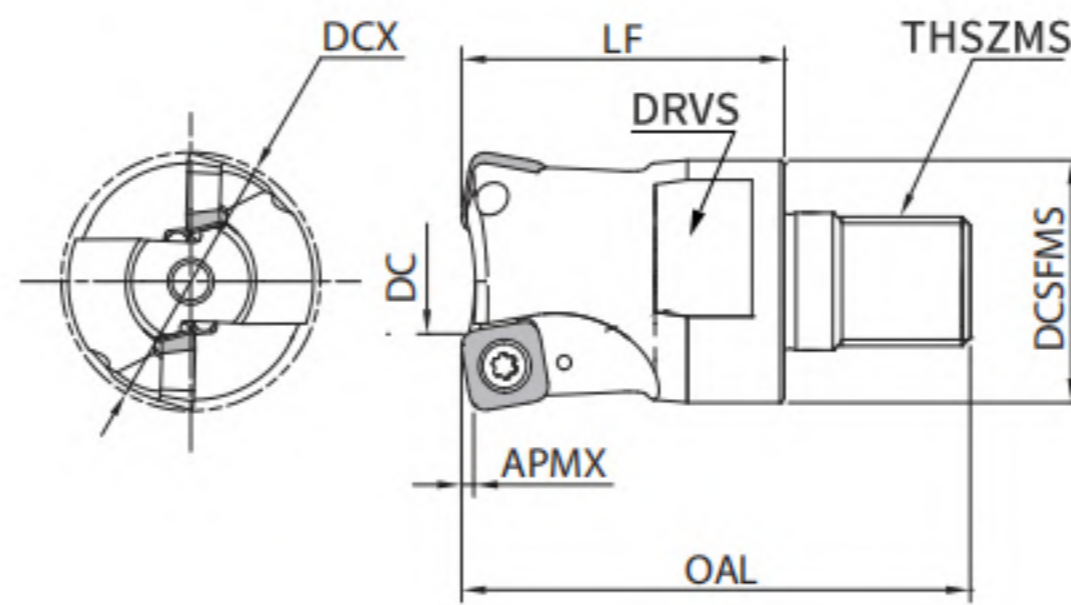


Designation 型號	CICT 齒數	Dimension (mm)/尺寸							A.R. 前角	INSERT 刀片
		APMX	DCX	DC	DCB	OAL	DCCB	KWW		
TFHLO03-535-16	5	1	35	27	16	40	14	8.4	-10°	LOGU03...
TFHLO03-640-16	6	1	40	32	16	40	14	8.4	-10°	LOGU03...
TFHLO03-850-22	8	1	50	42	22	40	17	10.4	-10°	LOGU03...
TFHLO03-863-22	8	1	63	55	22	40	17	10.4	-10°	LOGU03...
TFHLO03-1080-27	10	1	80	72	27	50	34	12.4	-10°	LOGU03...
TFHLO03-12100-32	12	1	100	92	32	50	42	14.4	-10°	LOGU03...

# TMHSO10

4刃單面刀片快進給鎖牙銑刀頭  
High Feed Modular Heads

SOMT10系列  
SOMT10 Series



Designation 型號	CICT 齒數	Dimension (mm)/尺寸							THSZMS 螺紋規格	INSERT 刀片
		APMX	DCX	DC	DCSFMS	OAL	LF	DRVS		
TMHSO10-120-M10	1	1.5	20	3	19	29	49	15	M10xP1.5	SOMT10...
TMHSO10-121-M10	1	1.5	21	4	19	29	49	15	M10xP1.5	SOMT10...
TMHSO10-225-M12	2	1.5	25	8	24	35	57	19	M12xP1.75	SOMT10...
TMHSO10-226-M12	2	1.5	26	9	24	35	57	19	M12xP1.75	SOMT10...
TMHSO10-332-M16	3	1.5	32	15	31	38	63	24	M16xP2.0	SOMT10...
TMHSO10-333-M16	3	1.5	33	16	31	38	63	24	M16xP2.0	SOMT10...
TMHSO10-335-M16	3	1.5	35	18	31	38	63	24	M16xP2.0	SOMT10...

刀片相關資訊請參照第M6-05頁

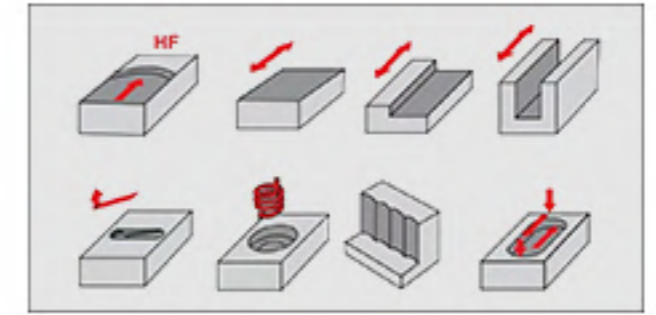
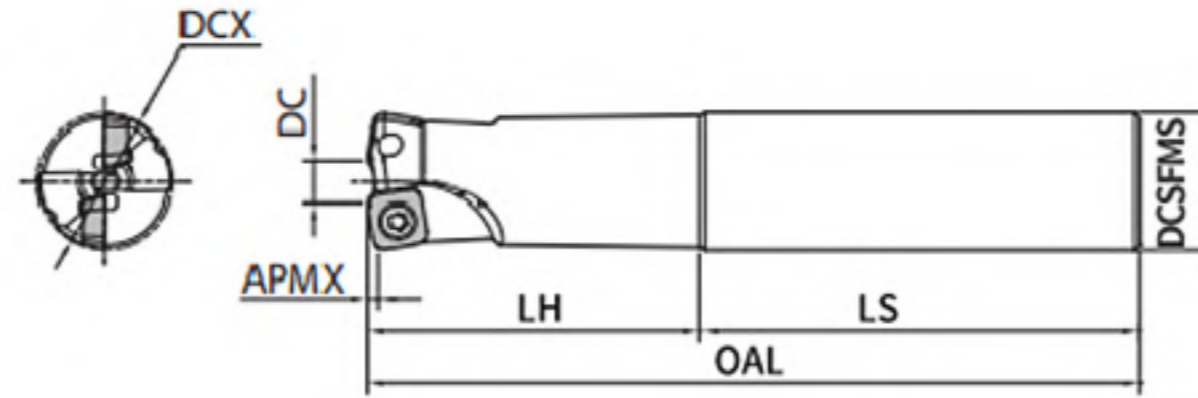
# TEHSO10

## 4刃單面刀片快進給銑刀桿

High Feed End Mills

SOMT10系列

SOMT10 Series



Designation 型號	CIC 齒數	Dimension (mm)/尺寸							A.R. 前角	INSERT 刀片
		APMX	DCX	DC	DCONMS	OAL	LH	LS		
TEHSO10-225-25-120	2	1.5	25	8	25	120	55	65	+10°	SOMT10...
TEHSO10-225-25-160	2	1.5	25	8	25	160	55	105	+10°	SOMT10...
TEHSO10-225-25-200	2	1.5	25	8	25	200	55	145	+10°	SOMT10...
TEHSO10-226-25-160	2	1.5	26	9	25	160	26	134	+10°	SOMT10...
TEHSO10-226-25-200	2	1.5	26	9	25	200	26	174	+10°	SOMT10...
TEHSO10-332-32-120	3	1.5	32	15	32	120	60	60	+10°	SOMT10...
TEHSO10-332-32-160	3	1.5	32	15	32	160	70	90	+10°	SOMT10...
TEHSO10-332-32-200	3	1.5	32	15	32	200	70	130	+10°	SOMT10...
TEHSO10-333-32-160	3	1.5	33	16	32	160	33	127	+10°	SOMT10...
TEHSO10-333-32-200	3	1.5	33	16	32	200	33	167	+10°	SOMT10...

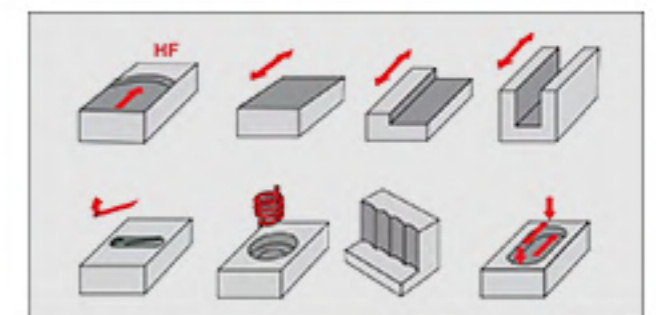
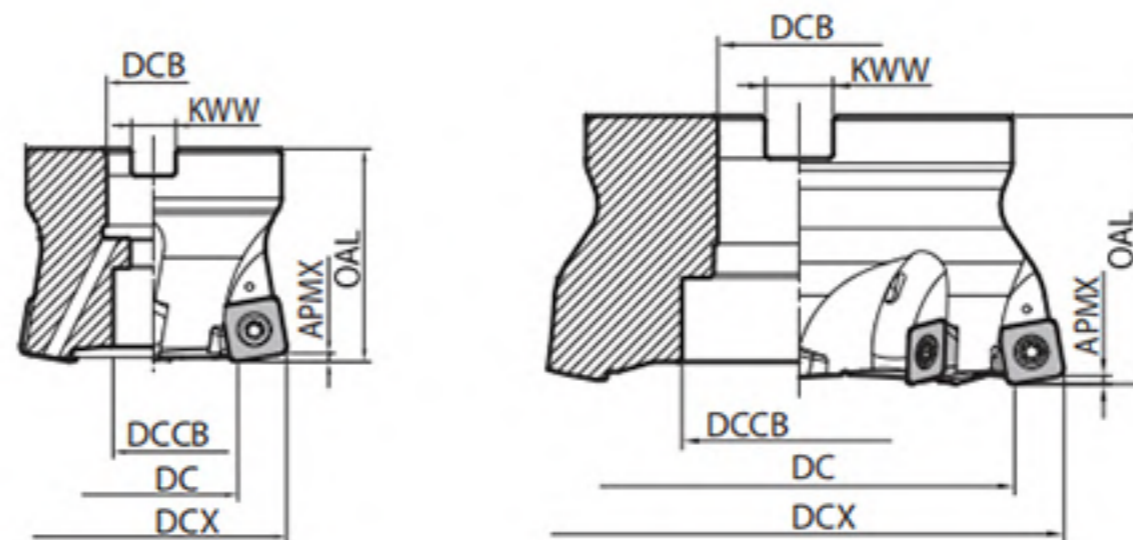
# TFHSO10/14

## 四刃單面刀片快進給銑刀盤

High Feed Face Mills

SOMT10/14系列

SOMT10/14 Series



Designation 型號	CIC 齒數	Dimension (mm)/尺寸							A.R. 前角	INSERT 刀片
		APMX	DCX	DC	DCB	OAL	DCCB	KWW		
TFHSO10-440-16	4	1.5	40	23	16	40	9	8.4	+10°	SOMT10...
TFHSO10-550-22	5	1.5	50	33	22	40	11	10.4	+10°	SOMT10...
TFHSO10-663-22	6	1.5	63	46	22	40	11	10.4	+10°	SOMT10...
TFHSO10-780-27	7	1.5	80	63	27	50	13	12.4	+10°	SOMT10...
TFHSO14-450-22	4	2	50	27	22	40	11	10.4	+10°	SOMT14...
TFHSO14-563-22	5	2	63	40	22	40	11	10.4	+10°	SOMT14...
TFHSO14-680-27	6	2	80	57	27	50	13	12.4	+10°	SOMT14...
TFHSO14-7100-32	7	2	100	77	32	50	17	14.4	+10°	SOMT14...
TFHSO14-8125-40	8	2	125	102	40	55	55	16.4	+10°	SOMT14...
TFHSO14-10160-40	10	2	160	137	40	55	90	16.4	+10°	SOMT14...

刀片相關資訊請參照第M6-05頁



TBB Cutting Tool

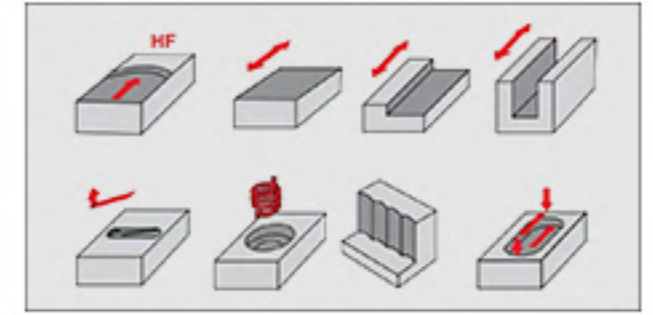
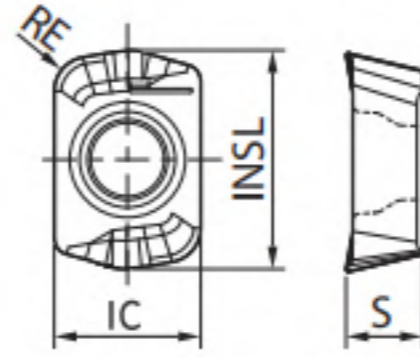
# LPGT010210

## 2刃單面快進給銑刀片

High Feed Face Mill Inserts

LPGT01系列

LPGT01 Series



Designation 型號	Dimension (mm)/尺寸							Grade/材質	
	IC/寬度	S/厚度	RE/圓角	APMX/最大切深	INSL/高度	Screw/螺絲	Wrench/扳手	TC3320	TC5520
LPGT010210-GM	4.19	2.19	1.0	0.5	6.26	TSA-18040-1	TWA-T6	○	○

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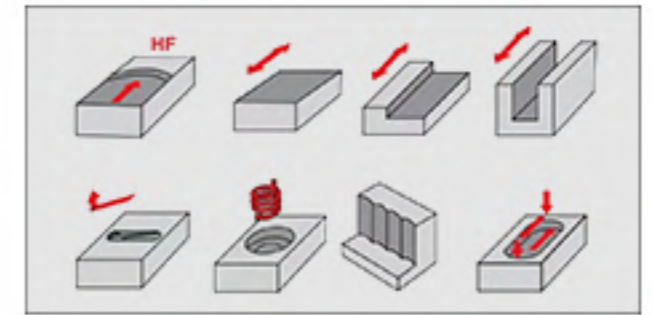
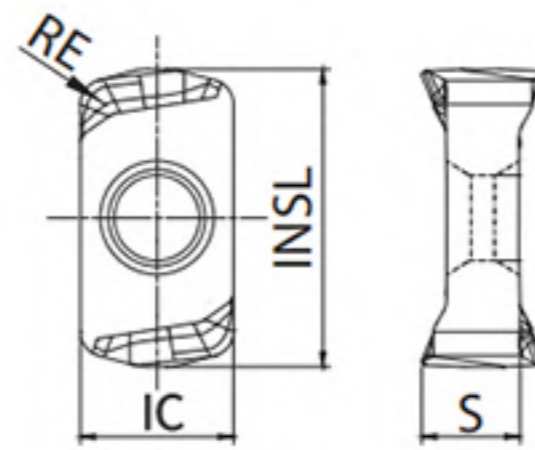
# LOGU030310

## 4刃雙面快進給銑刀片

High Feed Face Mill Inserts

LOGU03系列

LOGU03 Series



Designation 型號	Dimension (mm)/尺寸							Grade/材質	
	IC/寬度	S/厚度	RE/圓角	APMX/最大切深	INSL/高度	Screw/螺絲	Wrench/扳手	TC3320	TC5520
LOGU030310-GM	6.2	3.96	1.0	1	11.9	TSA-30064-1	TWA-T8	○	○

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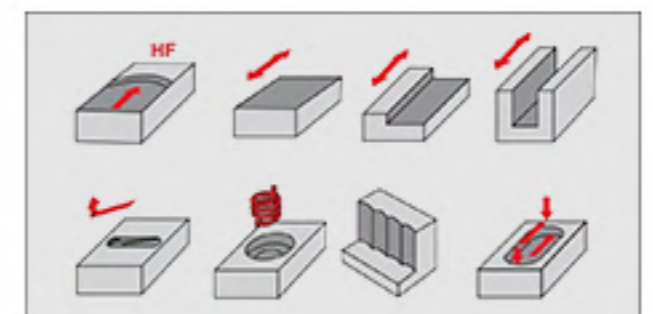
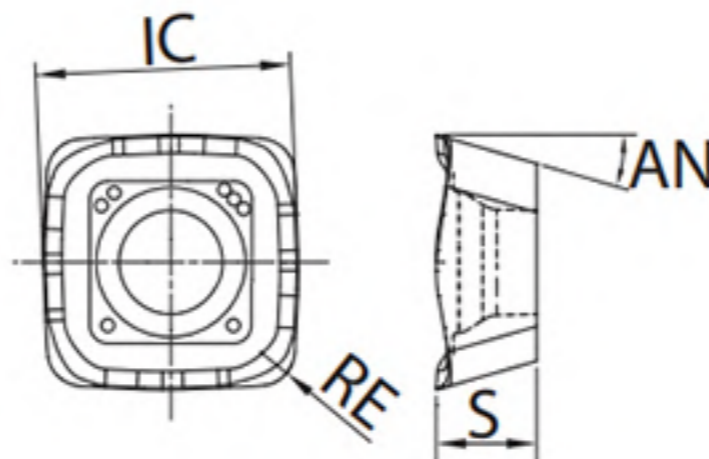
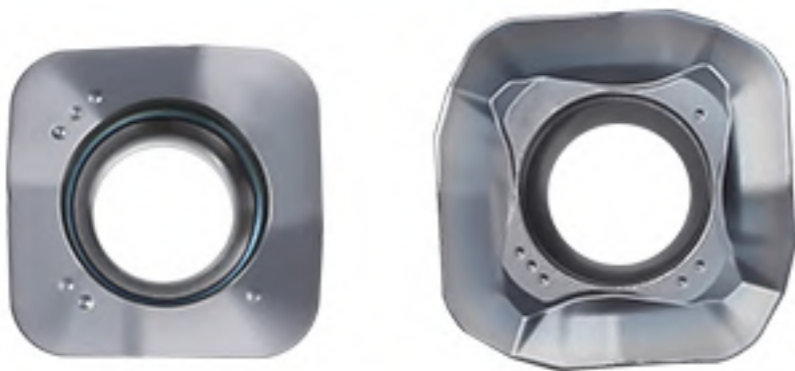
# SOMT10/14

## 4刃單面快進給銑刀片

High Feed Face Mill Inserts

SOMT10/14系列

SOMT10/14 Series



Designation 型號	Dimension (mm)/尺寸						Grade/材質		
	IC/大小	S/厚度	RE/圓角	APMX/最大切深	AN/後角	Screw/螺絲	Wrench/扳手	TC3320	TC5520
SOMT100420-GM	10.30	4.58	2.0	1.5	16°	TSA-40100-1	TWA-T15	○	○
SOMT140520-GM	14.14	5.56	2.0	2.0	16°	TSA-50120-1	TWA-T20	○	○

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刀盤相關資訊請參照第M6-03, M6-04頁

鎖牙銑刀頭、銑刀桿相關資訊請參照第M6-01, M6-02, M6-03, M6-04頁



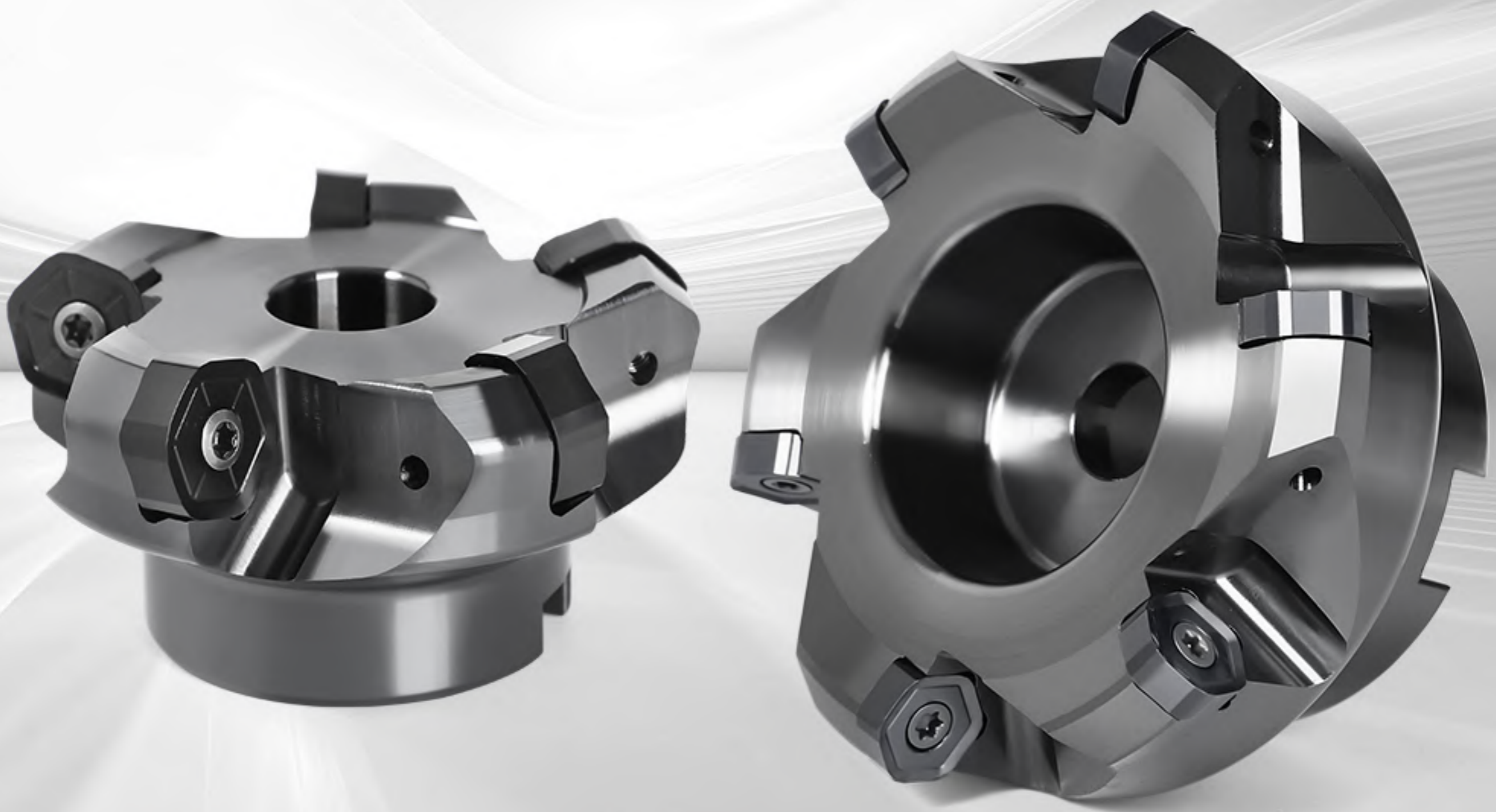
TBB Cutting Tool

M7 Series

銑削系列  
MILLING TOOLS SERIES

HNPJ07 / HNGU09

45°主偏角，降低切削阻力實現高速加工  
12刃雙面刀片，應對多種材質面銑加工  
2種大小刀片，可適用粗加工到半精加工



團隊切削 行家優選

TEAMCUTTING EXPERT PREFERRED

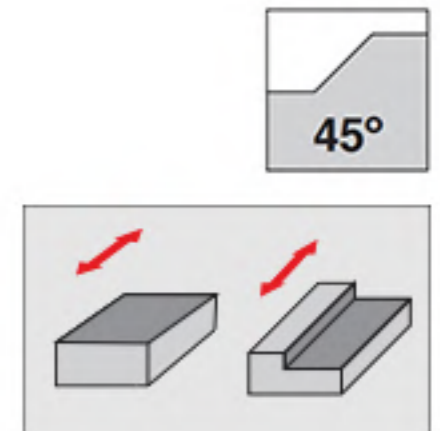
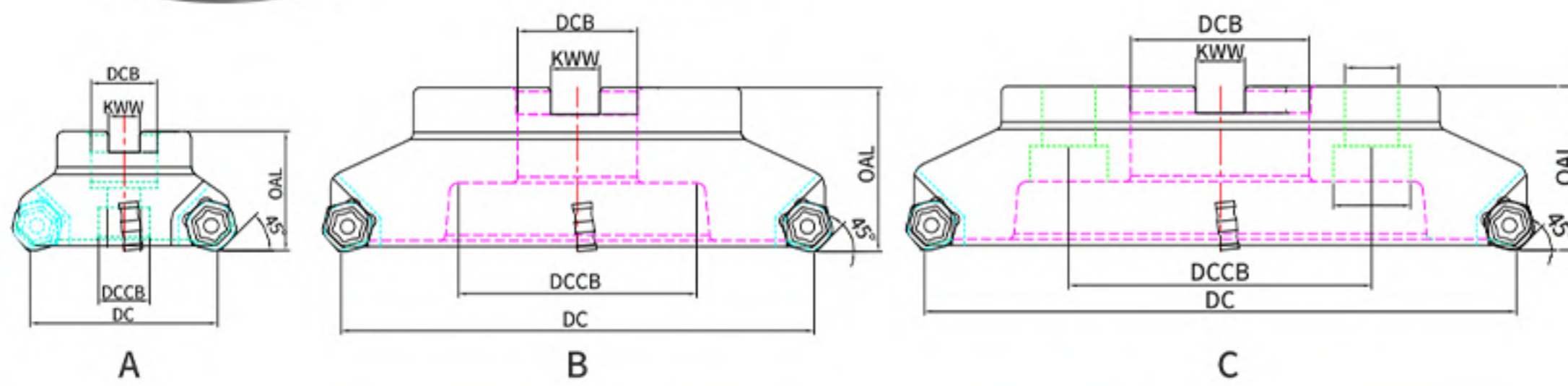
# TF45HN07/09

## 12刃雙面面銑刀盤

Face Mill Cutter

HNPJ07/HNGU09系列

HNPJ07/HNGU09 Series



Designation 型號	CICT 齒數	Dimension (mm)/尺寸							Angel 角度	INSERT 刀片
		APMX	DC	DCB	OAL	DCCB	KWW	Type		
TF45HN07-450-22	4	3.5	50	22	40	14	8.4	A	45°	HNPJ07...
TF45HN07-563-22	5	3.5	63	22	40	14	8.4	A	45°	HNPJ07...
TF45HN07-680-27	6	3.5	80	27	40	17	10.4	A	45°	HNPJ07...
TF45HN07-7100-32	7	3.5	100	32	40	17	10.4	A	45°	HNPJ07...
TF45HN07-8125-40	8	3.5	125	40	50	34	12.4	B	45°	HNPJ07...
TF45HN07-10160-40	10	3.5	160	40	40	14	8.4	B	45°	HNPJ07...
TF45HN09-450-22	4	4.5	50	22	40	17	10.4	A	45°	HNGU09...
TF45HN09-563-22	5	4.5	63	22	40	17	10.4	A	45°	HNGU09...
TF45HN09-680-27	6	4.5	80	27	50	34	12.4	A	45°	HNGU09...
TF45HN09-7100-32	7	4.5	100	32	50	42	14.4	A	45°	HNGU09...
TF45HN09-8125-40	8	4.5	125	40	55	50	16.4	B	45°	HNGU09...
TF45HN09-10160-40	10	4.5	160	40	55	80	16.4	B	45°	HNGU09...
TF45HN09-12200-60	12	4.5	200	60	55	101.6	25.8	C	45°	HNGU09...
TF45HN09-14250-60	14	4.5	250	60	55	101.6	25.8	C	45°	HNGU09...

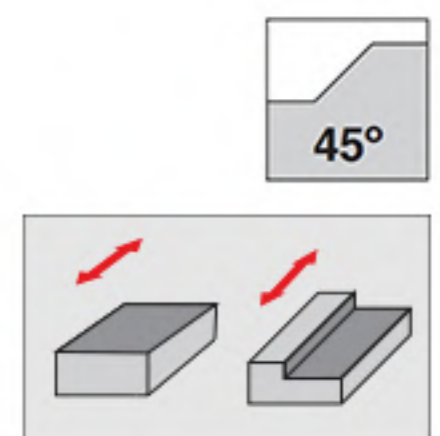
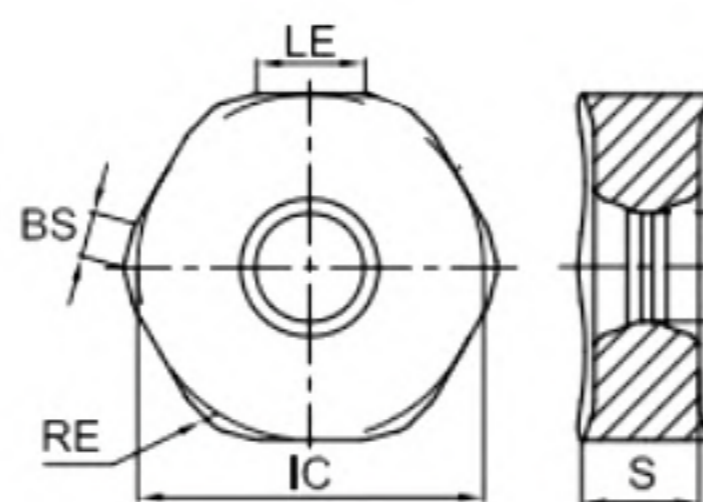
# HNPJ07/HNGU09

## 12刃雙面銑刀片

Face Mill Inserts

HNPJ07/HNGU09系列

HNPJ07/HNGU09 Series



Designation 型號	Dimension (mm)/尺寸							Grade/材質	
	IC/大小	S/厚度	RE/圓角	LE/切削刃長度	BS/刀尖刃口長度	Screw/螺絲	Wrench/扳手	TC3320	TC5520
HNPJ0704AN-GD	12.7	4.45	1.2	1.5	1.45	TSA-40100-1	TWA-T15	○	○
HNGU0905AN-GM	15.88	5.56	1.2	1.2	1.35	TSA-40100-1	TWA-T15	○	○

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刀片相關資訊請參照第M7-01頁

刀盤相關資訊請參照第M7-01頁





TBB Cutting Tool

M9 Series

銑削系列  
MILLING TOOLS SERIES

JDMT070204

8mm開始的小直徑刀桿規格齊全  
刀片採用大傾斜角設計加工輕快  
方肩加工表面優秀、開槽時排屑順暢



團隊切削 行家優選

TEAMCUTTING EXPERT PREFERRED

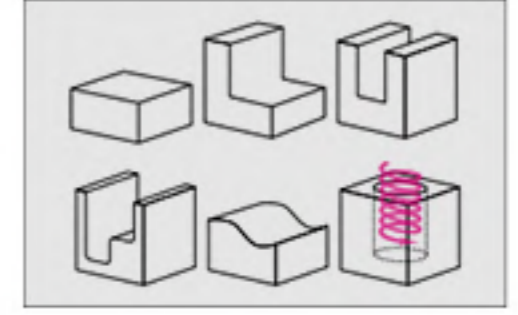
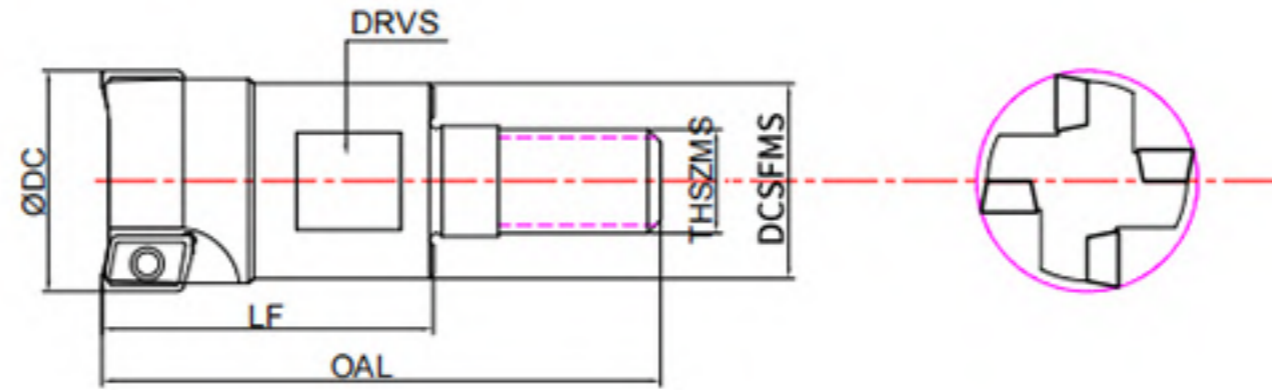
# TM90JD07

## 2刃單面刀片清角鎖牙銑刀頭

Modular heads

JDMT07系列

JDMT07 Series



Designation 型號	CICT 齒數	Dimension (mm)/尺寸							THSZMS 螺紋規格	Angel 角度	INSERT 刀片
		APMX	DCX	DC	DCSFMS	OAL	LF	DRVS			
TM90JD07-108-M04	1	5	8	8	7.8	28	17	7	M4xP0.7	90°	JDMT07...
TM90JD07-109-M04	1	5	9	9	7.8	28	17	7	M4xP0.7	90°	JDMT07...
TM90JD07-210-M05	2	5	10	10	9	29	17	7	M5xP0.8	90°	JDMT07...
TM90JD07-211-M05	2	5	11	11	9	29	17	7	M5xP0.8	90°	JDMT07...
TM90JD07-312-M06	3	5	12	12	11	32	17	9	M6xP1.0	90°	JDMT07...
TM90JD07-313-M06	3	5	13	13	11	32	17	9	M6xP1.0	90°	JDMT07...
TM90JD07-314-M06	3	5	14	14	13	32	17	10	M6xP1.0	90°	JDMT07...
TM90JD07-416-M08	4	5	16	16	15	43	25	12	M8xP1.25	90°	JDMT07...
TM90JD07-417-M08	4	5	17	17	15	43	25	12	M8xP1.25	90°	JDMT07...

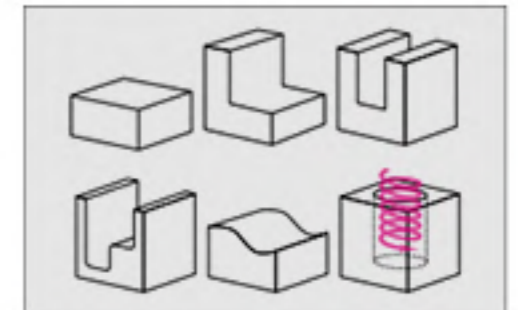
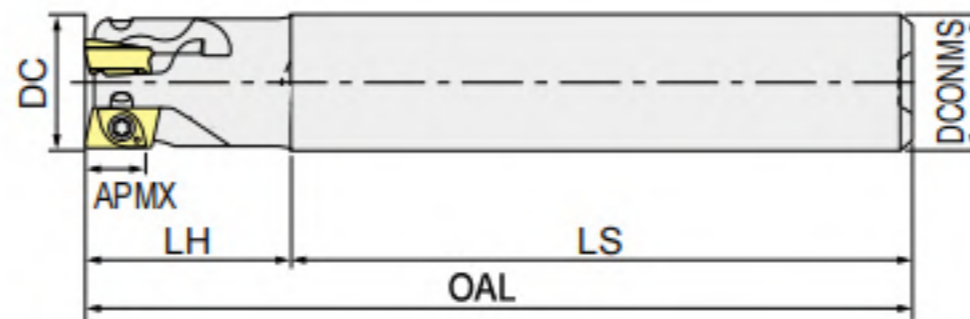
# TE90JD07

## 2刃單面刀片清角銑刀桿

End Mill Cutter

JDMT07系列

JDMT07 Series



Designation 型號	CICT 齒數	Dimension (mm)/尺寸							Angel 角度	INSERT 刀片
		APMX	DCX	DC	DCONMS	OAL	LH	LS		
TE90JD07-108-10-100	1	5	8	8	10	100	17	83	90°	JDMT07...
TE90JD07-109-10-100	1	5	9	9	10	100	19	81	90°	JDMT07...
TE90JD07-210-10-100	2	5	10	10	10	100	22	78	90°	JDMT07...
TE90JD07-210-10-120	2	5	10	10	10	120	22	98	90°	JDMT07...
TE90JD07-211-10-100	2	5	11	11	10	100	11	89	90°	JDMT07...
TE90JD07-211-10-120	2	5	11	11	10	120	11	109	90°	JDMT07...
TE90JD07-312-12-80	3	5	12	12	12	80	26	54	90°	JDMT07...
TE90JD07-312-12-100	3	5	12	12	12	100	26	74	90°	JDMT07...
TE90JD07-312-12-120	3	5	12	12	12	120	26	94	90°	JDMT07...
TE90JD07-313-12-120	3	5	13	13	12	120	13	107	90°	JDMT07...
TE90JD07-314-14-100	3	5	14	14	14	100	30	70	90°	JDMT07...
TE90JD07-314-14-120	3	5	14	14	14	120	30	90	90°	JDMT07...
TE90JD07-314-14-160	3	5	14	14	14	160	30	130	90°	JDMT07...
TE90JD07-315-14-120	3	5	15	15	14	120	15	105	90°	JDMT07...
TE90JD07-315-14-160	3	5	15	15	14	160	15	145	90°	JDMT07...
TE90JD07-416-16-100	4	5	16	16	16	100	35	65	90°	JDMT07...
TE90JD07-416-16-120	4	5	16	16	16	120	35	85	90°	JDMT07...
TE90JD07-416-16-160	4	5	16	16	16	160	35	125	90°	JDMT07...
TE90JD07-417-16-120	4	5	17	17	16	120	17	103	90°	JDMT07...
TE90JD07-417-16-160	4	5	17	17	16	160	17	143	90°	JDMT07...

刀片相關資訊請參照第M9-02頁

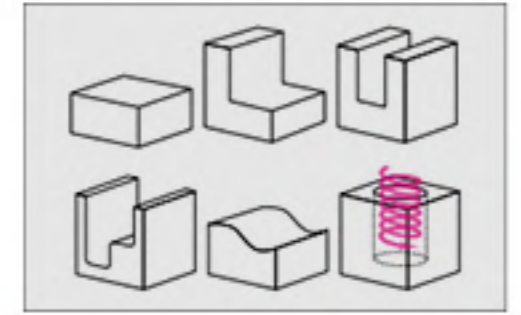
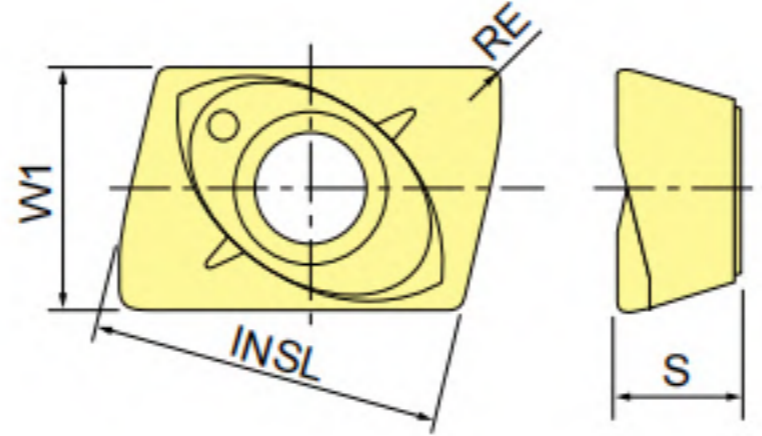
# JDMT070204

## 2刃單面清角銑刀片

Shoulder Mill Inserts

JDMT07系列

JDMT07 Series



Designation 型號	Dimension (mm)/尺寸							Grade/材質	
	INSL/邊長	S/厚度	RE/圓角	APMX/最大切深	W1/寬度	Screw/螺絲	Wrench/扳手	TC3320	TC5520
JDMT070204R	6.4	2.45	0.4	5	4.3	TSA-18040-1	TWA-T6	○	○

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