



A

刀片 Insert

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刀片識別系統

Turning Insert Identification System

C N M G
1 2 3 4

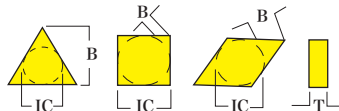
1 刀片形狀 Insert Shape 2 離隙角 Relief Angle 3 精度記號 Tolerance 4 孔溝記號 Insert Type

1 刀片形狀 Insert shape

記號 Sign	刀片形狀 Insert Shape	角度 Angle
C		80°
D		55°
E		75°
M		86°
V		35°
A		85°
B		82°
K		55°
H		正六角形 120°
O		正八角形 135°
P		正五方形 108°
L		長方形 90°
R		圓形 —
S		正方形 90°
T		正三角形 60°
W		桃形 80°

2 離隙角 Relief angle

記號 Sign	離隙角度 Relief Angle	記號 Sign	離隙角度 Relief Angle
A		F	
B		G	
C		N	
D		P	
E			



3 精度記號 Tolerance

記號 Sign	內接圖公差 "IC"		刀尖高度公差 "B"		厚度公差 "T"	
	in	mm	in	mm	in	mm
C	± 0.010	± 0.025	± 0.0005	± 0.013	± 0.001	± 0.025
H	± 0.005	± 0.013	± 0.0005	± 0.013	± 0.001	± 0.025
E	± 0.010	± 0.025	± 0.0010	± 0.025	± 0.001	± 0.025
G	± 0.010	± 0.025	± 0.0010	± 0.025	± 0.005	± 0.13
M	± 0.005	± 0.13	± 0.005	± 0.13	± 0.005	± 0.13
U	± 0.005	± 0.13	± 0.005	± 0.13	± 0.005	± 0.13

4 孔溝記號 Insert Type

記號 Sign	溝孔類型 Insert Type	記號 Sign	溝孔類型 Insert Type	記號 Sign	溝孔類型 Insert Type	記號 Sign	溝孔類型 Insert Type
N		M		Q		C	
R		G		U		J	
F		W		B			
A		T		H			

12 04 08 - □ □ □
5 6 7 8 9 10

5 尺寸
Size

6 刀片厚度
Blade Thickness

7 刀尖半徑
Top Radius

8 刀片方向
Hand Of Insert

9 切邊狀況及排屑槽
10 Cutting Edge Condition & Chip Control

5 尺寸 Size 切刃長和內接圓記號 Cutting Edge Length, Diameter Of IC

內接圓 IC		公制切刃長度 Metric Cutting Edge Length							英制切刃長度 Inch Cutting Edge Length
in	mm	◇	◇	Ⓡ	□	△	▽	◊	
5/32	3.97	—	04	03	03	06	—	—	1.2 (5)
3/16	4.76	04	05	04	04	08	08	—	1.5 (6)
7/23	5.56	05	06	05	05	09	09	03	1.8 (7)
0.236	6.00	—	—	06	—	—	—	—	—
1/4	6.35	06	07	06	06	11	11	04	2
5/16	7.94	08	09	07	07	13	13	05	2.5
0.315	8.00	—	—	08	—	—	—	—	—
3/8	9.525	09	11	09	09	16	16	06	3
0.394	10.00	—	—	10	—	—	—	—	—
1/16	11.11	11	13	11	11	19	19	07	3.5
0.472	12.00	—	—	12	—	—	—	—	—
1/2	12.70	12	15	12	12	22	22	08	4
9/16	14.29	14	17	14	14	24	24	09	4.5
5/8	15.875	16	19	15	15	27	27	10	5
0.630	16.00	—	—	16	—	—	—	—	—
11/16	17.46	17	21	17	17	30	30	11	5.5
3/4	19.05	19	23	19	19	33	33	13	6
0.787	20.00	—	—	20	—	—	—	—	—
7/8	22.22	22	27	22	22	38	38	15	7
0.984	25.00	—	—	25	—	—	—	—	—
1	25.40	25	31	25	25	44	44	17	8
1-1/4	31.75	32	38	31	31	54	54	21	10
1.260	32.00	—	—	32	—	—	—	—	—

Inch size : () Symbol for small size insert 英制尺寸: () 符號為小尺寸刀片

6 刀片厚度 Blade Thickness

in	mm	英制 Inch	公制 Metric
1/32	0.79	0.5 (1)	—
1/16	1.59	1 (2)	01
5/64	1.98	1.2	T1
3/32	2.38	1.5 (3)	02
1/8	3.18	2	03
5/32	3.97	2.5	T3
3/16	4.76	3	04
7/32	5.56	3.5	05
1/4	6.35	4	06
5/16	7.94	5	07
3/8	9.52	6	09
7/16	11.11	7	11
1/2	12.70	8	12

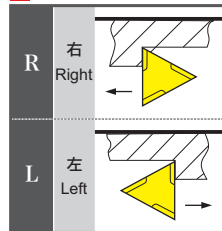
Inch size: () Symbol for small size insert

英制尺寸: () 符號為小尺寸刀片

7 刀尖半徑 Top Radius

Corner radius		Symbol	
in	mm	英制 Inch	公制 Metric
.004	0.1	0	01
.008	0.2	0.5	02
1/64	0.4	1	04
1/32	0.8	2	08
3/64	1.2	3	12
1/16	1.6	4	16
5/64	2.0	5	20
3/32	2.4	6	24
7/64	2.8	7	28
1/8	3.2	8	32
圓型刀片英制 round insert (inch)		—	00
圓型刀片公制 round insert (metric)		—	M0

8 刀片方向 Hand Of Insert



9 10

切邊狀況及排屑槽
Cutting Edge Condition
& Chip Control

車削用材質

Recommend Material Grades For Turning

切削狀態 Cutting State	JIS使用分類 JIS Classification									
	鎢鋼鍍鈦 Carbide With Altin Coating					金屬陶瓷 Cermet				
	輕切削 Light					輕切削 Light				
	01	10	20	30	40	01	10	20	30	40
P 鋼 Steel		ECP100 ECP200	ECP200/ECP250	ECP300	ECP400		BQJ606 BQJ606F BQW706			
M 不鏽鋼 Stainless Steel		ECM050 BEJ657	ECM100 BEJ757	ECM200 ECM2020 BEJ750 BEJ857	BEP706 BEP708		BQJ606 BQJ606F BQW706			
K 鑄鐵 Cast Iron	ECK100	ECK200 BEG607 ECP100				BQJ606 BQJ606F BQW706				
N 非鐵金屬 Non-Ferrous Metal		BEJ757								

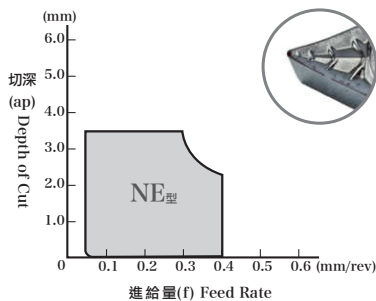
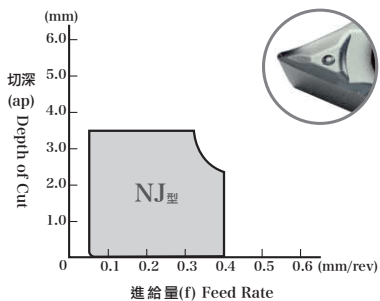
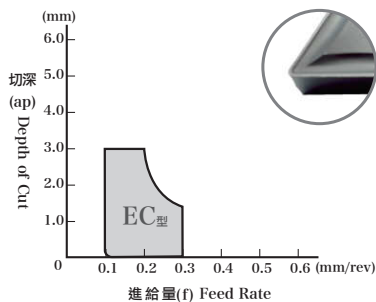
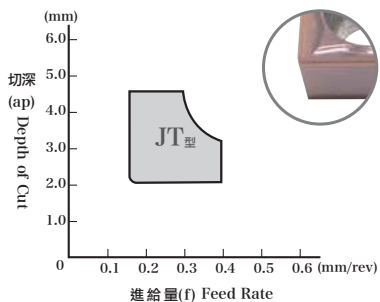
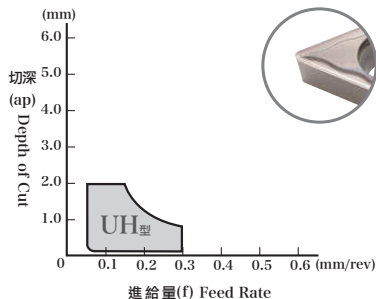
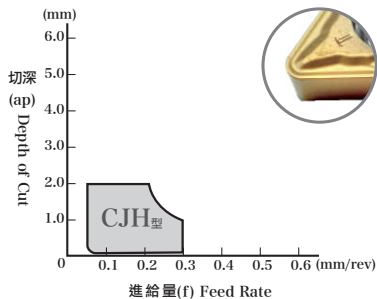
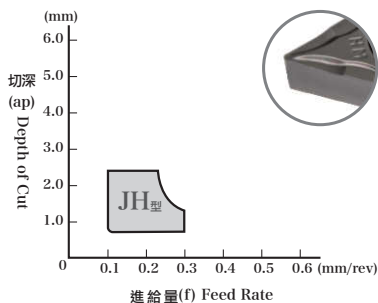
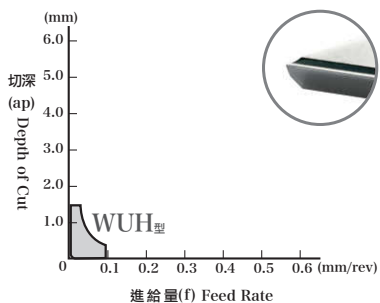
各公司材質對照表

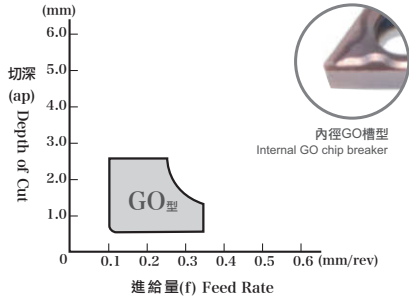
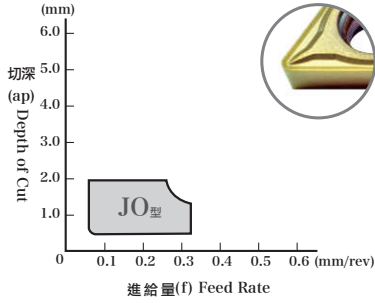
Grade Comparison Chart

用途 Application	使用分類 Class	級別 Grade	益詮 Echain	住友電工 Sumitomo	三菱 綜合材料 Mitsubishi	泰珂洛 Tungaloy	京瓷 Kyocera
車削 Turning	P 鋼 Steel	P05	ECP100	AC810P	UE6105	T9105	CA5505
		P10	ECP100 ECP200	AC810P AC820P	UE6110	T9115	CA5515
		P20	ECP200 ECP250	AC820P	UE6020	T9125	CA5525
		P30	ECP250 ECP300	AC830P	UE6035 VP15TF	T9135	CA5535
		P40	ECP400	AC830P	UE6035 UH6400	T9135	PR660
	M 不鏽鋼 Stainless Steel	M10	ECM050 ECM2010 BEJ657 BEP608	AC610M AC520U	US905 VP05RT VP10RT US7020	T9115 AH110 AH905	PR1305 CA6515 PR905
		M20	ECM100 ECM2020 BEJ757	AC610M AC520U	US7020 VP20MF UP20M	T6020 AH120 AH725	PR1310 CA6525 PR930 PR915
		M30	ECM200 BEJ750 BEJ857	AC630M AC830P AC530U	US735 VP15TF VP20MF	AH725 T6030 AH630	PR1325 CA6525 PR660 PR1125
		M40	BEP706 BEP708	AC630M AC530U	US735 VP15TF	SH730 AH645	PR660 PR1125
	K 鑄鐵 Cast Iron	K05	ECK100	AC405K	UC5115	T5105 T5115	CA4505 CA4010
		K10	ECK200 BEG607 ECP100	AC415K	UC5105 UC5115	T5115 T5125	CA4505 CA4015 CA4115
		K20		AC420K	UC5115 VP15TF UE6110	T5125 T9125	CA4515 CA4020 CA4115
	金屬陶瓷 Cermet		BQJ606F BQJ606 BQW706	T1200A T1500A	NX2525	NS530	W60

正角斷削槽選擇

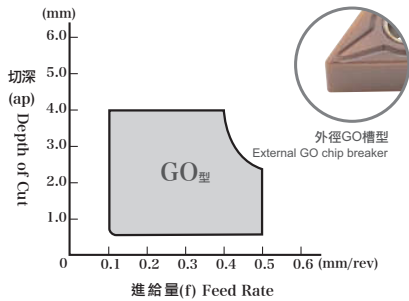
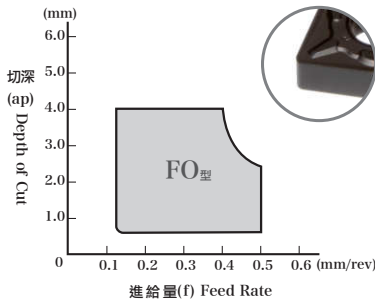
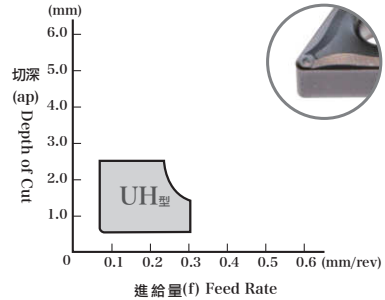
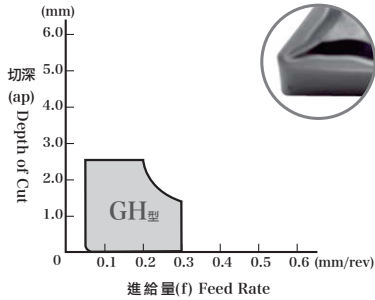
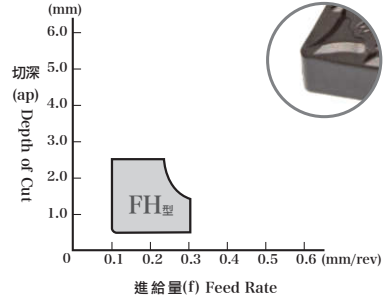
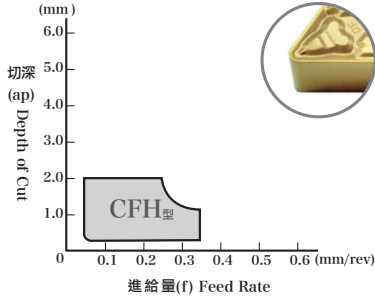
Selection Of Chip Breaker

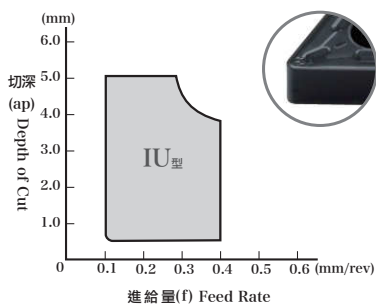
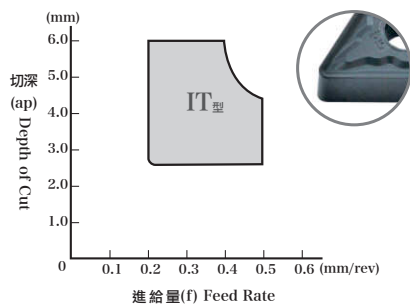
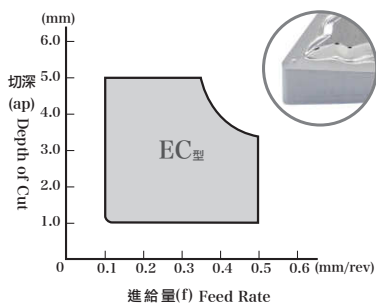
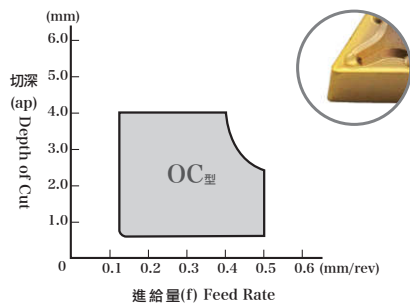
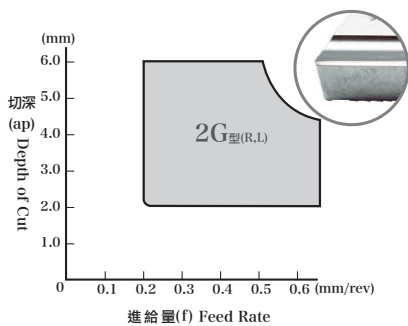
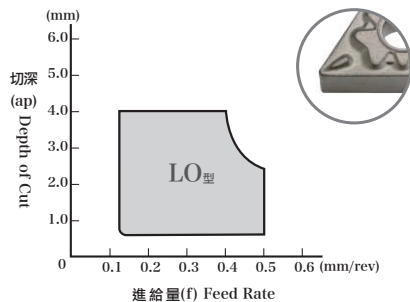
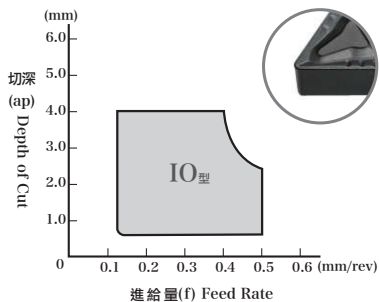




負角斷削槽選擇

Selection Of Chip Breaker





材質推薦切削表

Recommended Cutting Condition

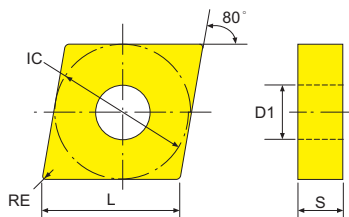
被削材 Workpiece			進給 (f) Feed(f)	切削速度 m/min(v) Cutting Speed	切深 (mm) Depth Of Cut
 鋼 Steel	碳素鋼 Carbon Steel	ECK200 / DF133	0.15~0.5	200~350	
		ECP200 / DF233	0.15~0.5	150~300	
		ECP300 / DF333	0.15~0.5	120~250	
		BEF706	0.15~0.5	160~460	
		BEF607	0.1~0.6	220~500	
		BEP706	0.2~0.6	110~280	
		W35	0.08~0.3	100~350	
	合金鋼 Alloy Steel	ECK200 / DF133	0.15~0.5	150~300	
		ECP200 / DF233	0.15~0.5	100~250	
		ECP300 / DF333	0.15~0.5	80~200	
		BEF706	0.15~0.5	160~350	
		BEF607	0.15~0.5	200~400	
		BEP706	0.15~0.5	110~250	
		W35	0.15~0.5	50~250	
 不鏽鋼 Stainless Steel	不鏽鋼 Stainless Steel	ECM100 BEJ750	0.1~0.45	170~300	
		ECM2010 ECM2020 BEJ759 BEP706	0.1~0.4	110~280	
		BEJ657	0.1~0.45	180~460	
 鑄鐵 Cast Iron	鑄鐵 Cast Iron	ECK200 BEG607	0.1~0.5	190~450	
 非鐵金屬 Alloy	非鐵金屬 Alloy	BEJ757	0.1~0.4	110~500	
		BQJ606F	0.1~0.4	270~450	
		BQJ606	0.1~0.4	250~400	
		PCD100	0.02~0.2	200~250	0.1~1.5
 高硬度鋼 Hardened Steel	高硬度材 High hardness material	CBN100	0.03~0.2	80~160	0.05~0.3

- (V=m/min，F=/刀) (下限值－推薦值－上限值) (Min.－Optimum－Max.)
- 工具回轉速度(N)=[1000×切削速度(V)]÷[3.14×工具直徑(D)]
- 總進給(F)=[每刀進給(f)×工具刀數(Z)×工具回轉速度(N)]

尺寸 Dimension

切削刃長 L : 12.9 刀片厚度 S : 4.76

內接圓 IC : 12.7 螺釘孔徑 D1 : 5.16



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- ◆材質介紹→參考A04頁
 Grade Ref.Page-A04

塗層硬質合金 Carbide Coated

金屬陶瓷 Cermet

- ◆斷屑槽選擇→參考A06-A08頁
 Chipbreaker Ref.Page-A06-A08

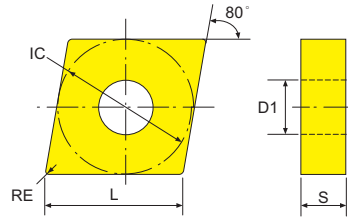
- ◆切削條件→參考A09頁
 Cutting condition Ref.Page-A09

形狀 Shape	型號 Model No	RE	塗層硬質合金 Carbide Coated														金屬陶瓷 Cermet				
			P	P	M	K	N	W35	BQJ606	BQW706	ET1500	ET1500	BQJ606F	BQW706F	ET1500F	ET1500F	ET1500F	ET1500F	ET1500F	ET1500F	ET1500F
中粗切削 Medium and roughing	CNMA120408	0.8											●	●	●						
	CNMA120412	1.2											●	●							
中粗切削 Medium and roughing	CNMG120408	0.8			●		●	●						●	●						
	CNMG120404-CFH	0.4					●														
	CNMG120408-CFH	0.8					●														
CFH中輕切削 Mid and light cutting	CNMG120412-CFH	1.2					●														
	CNMG120408-DO	0.8				●							●	●							
FO中切削 Medium	CNMG120404-FO	0.4			●		●	●							●						
	CNMG120408-FO	0.8			●	●	●	●							●						
	CNMG120412-FO	1.2					●														
FT中粗切削 Medium and roughing	CNMG120404-FT	0.4			●		●								●						
	CNMG120408-FT	0.8			●		●	●							●						
GO中粗切削 Medium and roughing	CNMG120408-GO	0.8					●														

CN

尺寸 Dimension

切削刃長 L : 12.9 刀片厚度 S : 4.76
內接圓 IC : 12.7 螺釘孔徑 D1 : 5.16



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- ◆材質介紹→參考A04頁
Grade Ref. Page-A04

- ◆斷屑槽選擇→參考A06-A08頁
Chipbreaker Ref. Page-A06-A08

- ◆切削條件→參考A09頁
Cutting condition Ref. Page-A09

塗層硬質合金 Carbide Coated

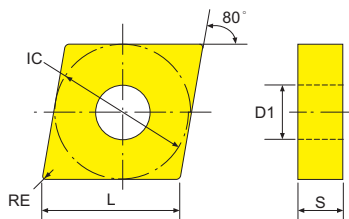
金屬陶瓷 Cermet

			P														P		M		K			N					鉋類 BQJ606F	
			P														P		M		K			N					鉋類 BQJ606F	
			P														P		M		K			N					鉋類 BQJ606F	
			P														P		M		K			N					鉋類 BQJ606F	
			P														P		M		K			N					鉋類 BQJ606F	
			P														P		M		K			N					鉋類 BQJ606F	
			P														P		M		K			N					鉋類 BQJ606F	
			P														P		M		K			N					鉋類 BQJ606F	
			P														P		M		K			N					鉋類 BQJ606F	
			P														P		M		K			N					鉋類 BQJ606F	
			P														P		M		K			N					鉋類 BQJ606F	
			P														P		M		K			N					鉋類 BQJ606F	
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			P														P		M		K			N					鉋類 BQJ606F	
			P														P		M		K			N					鉋類 BQJ606F	
			P														P		M		K			N					鉋類 BQJ606F	
			P														P		M		K			N					鉋類 BQJ606F	
			P														P		M		K			N					鉋類 BQJ606F	
			P														P		M		K			N					鉋類 BQJ606F	
			P														P		M		K			N					鉋類 BQJ606F	
			P														P		M		K			N					鉋類 BQJ606F	
			P														P		M		K			N					鉋類 BQJ606F	
			P														P		M		K			N					鉋類 BQJ606F	
			P														P		M		K			N					鉋類 BQJ606F	
			P														P		M		K			N					鉋類 BQJ606F	
			P														P		M		K			N					鉋類 BQJ606F	
			P														P		M		K			N					鉋類 BQJ606F	
			P														P		M		K			N					鉋類 BQJ606F	
			P														P		M		K			N					鉋類 BQJ606F	
			P														P		M		K			N					鉋類 BQJ606F	
			P														P		M		K			N					鉋類 BQJ606F	
			P														P		M		K			N					鉋類 BQJ606F	
			P														P		M		K			N					鉋類 BQJ606F	
			P														P		M		K			N					鉋類 BQJ606F	
			P														P		M		K			N					鉋類 BQJ606F	
			P														P		M		K			N					鉋類 BQJ606F	
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			P														P		M		K			N					鉋類 BQJ606F	
			P														P		M		K			N					鉋類 BQJ606F	
			P														P		M		K			N					鉋類 BQJ606F	
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			P														P		M		K			N					鉋類 BQJ606F	
			P														P		M		K			N					鉋類 BQJ606F	
			P														P													

尺寸 Dimension

切削刃長 L : 16.1 刀片厚度 S : 6.35

內接圓 IC : 15.88 螺釘孔徑 D1 : 6.35



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- ◆材質介紹→參考A04頁
 Grade Ref.Page-A04

塗層硬質合金 Carbide Coated

金屬陶瓷 Cermet

- ◆斷削槽選擇→參考A06-A08頁
 Chipbreaker Ref.Page-A06-A08

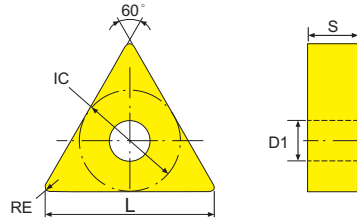
- ◆切削條件→參考A09頁
 Cutting condition Ref.Page-A09

形狀 Shape	型號 Model No	RE	F333	PF333	P100	P200	P300	3025	F607	F707	M200	4875	J750	J757	J758	2020	1005	K100	K200	K300	G607	G656	W35	J606	W706	1500	606F
* XZ中粗切削 Medium and roughing 	CNMG120404N-XZ	0.4	●																								
	CNMG120408N-XZ	0.8	●																								
◎ IO中切削 Medium 	CNMG160608-IO	0.8			●						●																
	CNMG160612-IO	1.2			●	●					●																

TN

尺寸 Dimension

切削刃長 L : 16.5 刀片厚度 S : 4.76
內接圓 IC : 9.525 螺釘孔徑 D1 : 3.81



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◆ 材質介紹→參考A04頁
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◆ 斷削槽選擇→參考A06-A08頁
Chipbreaker Ref.Page-A06-A08

◆ 切削條件→參考A09頁
Cutting condition Ref.Page-A09

塗層硬質合金 Carbide Coated

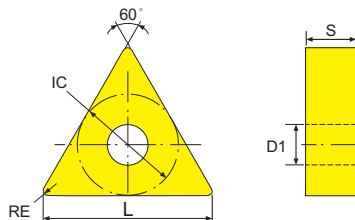
金屬陶瓷 Cermet

◆ 斷屑槽選擇→參考A06-A08頁 Chipbreaker Ref.Page-A06-A08			P															P		M		K		N		Titanium Paving					
◆ 切削條件→參考A09頁 Cutting condition Ref.Page-A09			刀尖 半徑	DF133	DF233	DF333	ECP100	ECP200	ECP300	ECP3025	BEF607	BEF707	ECM100	ECM200	BE4875	BEP706	BEJ750	BEJ757	BEJ758	ECM2020	ECK1005	ECK100	ECK200	ECK300	BEG607	BG656	W35	BQJ606	BQW706	E1500	BQJ606F
形狀 Shape	型號 Model No	RE																													
 中輕切削 Mid and light cutting	TNMA160404	0.4																					●		●						
	TNMA160408	0.8																					●		●						
 中輕切削 Mid and light cutting	TNMG160408	0.8						●	●				●								●		●	●							
 CFH中輕切削 Mid and light cutting	TNMG160404-CFH	0.4												●																●	
	TNMG160408-CFH	0.8												●																●	
 FO中切削 Medium	TNMG160404-FO	0.4									●	●				●	●	●							●						
	TNMG160408-FO	0.8									●	●				●	●	●							●						
	TNMG160412-FO	1.2																													
 2G (L) 中粗切削 Medium and roughing	TNMG160404L-2G	0.4																												●	
	 2G (R) 中粗切削 Medium and roughing	TNMG160404R-2G	0.4																											●	

尺寸 Dimension

切削刃長 L : 16.5 刀片厚度 S : 4.76

內接圓 IC : 9.525 螺釘孔徑 D1 : 3.81



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- ◆材質介紹→參考A04頁
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塗層硬質合金 Carbide Coated

金屬陶瓷 Cermet

- ◆斷屑槽選擇→參考A06-A08頁
 Chipbreaker Ref. Page-A06-A08

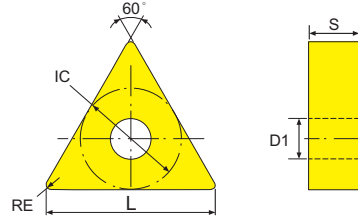
- ◆切削條件→參考A09頁
 Cutting condition Ref. Page-A09

形狀 Shape	型號 Model No	RE	塗層硬質合金 Carbide Coated															金屬陶瓷 Cermet					備註 Titanium Plating BQJ606F E1500						
			P L333	P F233	P F333	P P100	P P200	P P300	P 3025	F F607	F F707	M M100	M M200	P P706	J J750	J J757	J J758	2020	K K1005	K K100	K K200	K K300		G G607	G G656	W35	J J606	N N706	E1500
GS (L) 中粗切削 Medium and roughing 	TNMG160408L-GS	0.8				●	●	●					●	●															
GS (R) 中粗切削 Medium and roughing 	TNMG160408R-GS	0.8																											
HO (L) 中粗切削 Medium and roughing 	TNMG160404L-HO	0.4									●																		
	TNMG160404R-HO	0.4									●																		
HO (R) 中粗切削 Medium and roughing 	TNMG160408L-HO	0.8									●																		
	TNMG160408R-HO	0.8									●																		
◎IE(L)中切削 Medium 	TNMG160404L-IE	0.4				●	●	●																					
	TNMG160404R-IE	0.4				●	●	●																					
◎IE(R)中切削 Medium 	TNMG160408L-IE	0.8				●	●	●				●	●								●								
	TNMG160408R-IE	0.8				●	●	●					●																
IO中輕切削 Mid and light cutting 	TNMG160404-IO	0.4			●	●	●	●				●	●						●			●							
	TNMG160408-IO	0.8			●	●	●	●														●	●						
*IW中切削 Medium 	TNMG160404N-IW	0.4	●	●	●																								
	TNMG160408N-IW	0.8	●	●	●																								

TN

尺寸 Dimension

切削刃長 L : 16.5 刀片厚度 S : 4.76
內接圓 IC : 9.525 螺釘孔徑 D1 : 3.81



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- ◆ 材質介紹→參考A04頁
Grade Ref.Page-A04

塗層硬質合金 Carbide Coated

金屬陶瓷 Cermet

- ◆ 斷屑槽選擇→參考A06-A08頁
Chipbreaker Ref.Page-A06-A08

- ◆ 切削條件→參考A09頁
Cutting condition Ref.Page-A09

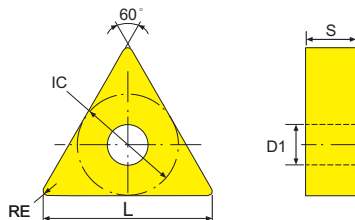
形狀 Shape	型號 Model No	RE	DF133	DF233	ECF100	ECF200	ECF300	ECF3025	BEF607	BEF707	ECM200	ECM100	BEJ4875	BEF706	BEJ750	BEJ757	ECM2020	ECK1005	ECK100	ECK200	ECK300	BEJ607	W35	BQJ606	BQW706	E1500	BQJ606F	備註
 LO中輕切削 Mid and light cutting	TNMG160404-LO	0.4																								●		
	TNMG160408-LO	0.8																								●		
 OC中輕切削 Mid and light cutting	TNMG160404-OC	0.4				●					●	●					●											
	TNMG160408-OC	0.8				●					●	●					●											
 RO中輕切削 Mid and light cutting	TNMG160404-RO	0.4								●												●						
	TNMG160408-RO	0.8								●													●					
 VE中輕切削 Mid and light cutting	TNMG160408-VE	0.8																				●						
 * XZ中粗切削 Medium and roughing	TNMG160404N-XZ	0.4	●																									
	TNMG160408N-XZ	0.8	●																									
 BE(L) 中粗切削 Medium and roughing	TNMG160404L-BE	0.4							●			●	●													●		
	TNMG160404R-BE	0.4										●	●												●		●	
 BE(R) 中粗切削 Medium and roughing	TNMG160408L-BE	0.8										●	●															
	TNMG160408R-BE	0.8										●	●	●													●	
	TNMG160408L-GS	0.8			●	●	●	●			●	●					●											

TN

尺寸 Dimension

切削刃長 L : 16.5 刀片厚度 S : 4.76

內接圓 IC : 9.525 螺釘孔徑 D1 : 3.81



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- ◆材質介紹→參考A04頁
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- ◆斷屑槽選擇→參考A06-A08頁
 Chipbreaker Ref.Page-A06-A08

- ◆切削條件→參考A09頁
 Cutting condition Ref.Page-A09

塗層硬質合金 Carbide Coated

金屬陶瓷 Cermet

◆ 斷屑槽選擇→參考A06-A08頁 Chipbreaker Ref.Page-A06-A08			P										P			M			K			N				備註 Titanium Plating BQJ606F E1500		
◆ 切削條件→參考A09頁 Cutting condition Ref.Page-A09			刀尖 半徑	DF133	DF233	ECF100	ECF200	ECF300	ECF3025	BEF607	BEF707	ECM100	ECM200	BEF876	BEF706	BEJ750	BEJ767	BEJ768	ECM2020	ECK1005	ECK100	ECK300	BEG607	BG656	W35	BQJ606	BQW706	E1500
形狀 Shape	型號 Model No	RE																										
 GO中切削 Medium	TNMG160404-GO	0.4														●	●											
	TNMG160408-GO	0.8														●	●											
 UH精切削 Finish	TNMG160404-UH	0.4																										●
	TNMG160408-UH	0.8																										●
 OW中輕切削 Mid and light cutting	TNMG160412-OW	1.2																										●

尺寸 Dimension

切削刃長 L : 22 刀片厚度 S : 4.76

內接圓 IC : 12.7 螺釘孔徑 D1 : 5.16

塗層硬質合金 Carbide Coated

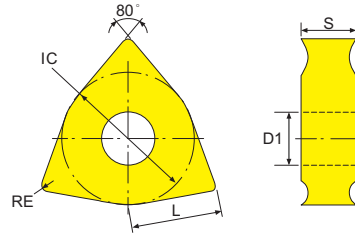
金屬陶瓷 Cermet

形狀 Shape	型號 Model No	RE	刀尖半徑	P										M				K			N		備註 BQJ606F																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
				DF133	DF233	DF333	ECP100	ECP200	ECP300	ECP3025	BEF607	BEF707	ECM100	ECM200	BEF475	BEJ750	BEF706	BEF875	ECM200	ECK1005	ECK1006	BG656		BEG607	ECK300	ECK200	W35	BQJ606	BQW706	E1500																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
FO中切削 Medium 	TNMG220404-FO	0.4																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	

WN

尺寸 Dimension

切削刃長 L : 8.7 刀片厚度 S : 4.76
內接圓 IC : 12.7 螺孔直徑 D1 : 5.16



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- ◆材質介紹→參考A04頁
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- ◆斷屑槽選擇→參考A06-A08頁
Chipbreaker Ref.Page-A06-A08

- ◆切削條件→參考A09頁
Cutting condition Ref.Page-A09

塗層硬質合金 Carbide Coated

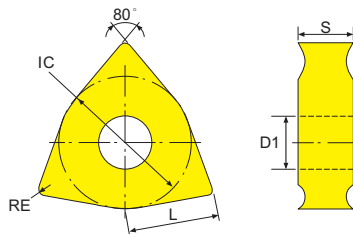
金屬陶瓷 Cermet

形狀 Shape	型號 Model No	刀尖半徑 RE	塗層硬質合金 Carbide Coated														金屬陶瓷 Cermet					備註
			P	P	M	K	N	W35	BQ606	BQW706	E1500	BQ606F	Titanium Plating									
中、輕、重切削 Mid, light, heavy cutting breaker 	WNMA080404	0.4																				
	WNMA080408	0.8																				
中輕切削 Mid and light cutting 	WNMG080408	0.8																				
	WNMG080404-CFH	0.4																				
中輕切削 Mid and light cutting 	WNMG080408-CFH	0.8																				
	WNMG080404-DO	0.4																				
FO中切削 Medium 	WNMG080404-FO	0.4																				
	WNMG080408-FO	0.8																				
FT中粗切削 Medium and roughing 	WNMG080404-FT	0.4																				
	WNMG080408-FT	0.8																				
GO中切削 Medium 	WNMG080404-GO	0.4																				
	WNMG080408-GO	0.8																				
◎IO中切削 Medium 	WNMG080404-IO	0.4																				
	WNMG080408-IO	0.8																				

尺寸 Dimension

切削刃長 L : 8.7 刀片厚度 S : 4.76

內接圓 IC : 12.7 螺釘孔徑 D1 : 5.16



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- ◆材質介紹→參考A04頁
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- ◆斷削槽選擇→參考A06-A08頁
 Chipbreaker Ref. Page-A06-A08

- ◆切削條件→參考A09頁
 Cutting condition Ref. Page-A09

塗層硬質合金 Carbide Coated

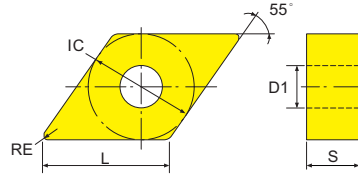
金屬陶瓷 Cermet

形狀 Shape	型號 Model No	RE	P										M										K										N										Titanium Matrix																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
			DF133	DF233	DF333	DF433	DF533	DF633	DF733	DF833	DF933	DF1033	DF1133	DF1233	DF1333	DF1433	DF1533	DF1633	DF1733	DF1833	DF1933	DF2033	DF2133	DF2233	DF2333	DF2433	DF2533	DF2633	DF2733	DF2833	DF2933	DF3033	DF3133	DF3233	DF3333	DF3433	DF3533	DF3633	DF3733	DF3833	DF3933	DF4033	DF4133	DF4233	DF4333	DF4433	DF4533	DF4633	DF4733	DF4833	DF4933	DF5033	DF5133	DF5233	DF5333	DF5433	DF5533	DF5633	DF5733	DF5833	DF5933	DF6033	DF6133	DF6233	DF6333	DF6433	DF6533	DF6633	DF6733	DF6833	DF6933	DF7033	DF7133	DF7233	DF7333	DF7433	DF7533	DF7633	DF7733	DF7833	DF7933	DF8033	DF8133	DF8233	DF8333	DF8433	DF8533	DF8633	DF8733	DF8833	DF8933	DF9033	DF9133	DF9233	DF9333	DF9433	DF9533	DF9633	DF9733	DF9833	DF9933	DF10033	DF10133	DF10233	DF10333	DF10433	DF10533	DF10633	DF10733	DF10833	DF10933	DF11033	DF11133	DF11233	DF11333	DF11433	DF11533	DF11633	DF11733	DF11833	DF11933	DF12033	DF12133	DF12233	DF12333	DF12433	DF12533	DF12633	DF12733	DF12833	DF12933	DF13033	DF13133	DF13233	DF13333	DF13433	DF13533	DF13633	DF13733	DF13833	DF13933	DF14033	DF14133	DF14233	DF14333	DF14433	DF14533	DF14633	DF14733	DF14833	DF14933	DF15033	DF15133	DF15233	DF15333	DF15433	DF15533	DF15633	DF15733	DF15833	DF15933	DF16033	DF16133	DF16233	DF16333	DF16433	DF16533	DF16633	DF16733	DF16833	DF16933	DF17033	DF17133	DF17233	DF17333	DF17433	DF17533	DF17633	DF17733	DF17833	DF17933	DF18033	DF18133	DF18233	DF18333	DF18433	DF18533	DF18633	DF18733	DF18833	DF18933	DF19033	DF19133	DF19233	DF19333	DF19433	DF19533	DF19633	DF19733	DF19833	DF19933	DF20033	DF20133	DF20233	DF20333	DF20433	DF20533	DF20633	DF20733	DF20833	DF20933	DF21033	DF21133	DF21233	DF21333	DF21433	DF21533	DF21633	DF21733	DF21833	DF21933	DF22033	DF22133	DF22233	DF22333	DF22433	DF22533	DF22633	DF22733	DF22833	DF22933	DF23033	DF23133	DF23233	DF23333	DF23433	DF23533	DF23633	DF23733	DF23833	DF23933	DF24033	DF24133	DF24233	DF24333	DF24433	DF24533	DF24633	DF24733	DF24833	DF24933	DF25033	DF25133	DF25233	DF25333	DF25433	DF25533	DF25633	DF25733	DF25833	DF25933	DF26033	DF26133	DF26233	DF26333	DF26433	DF26533	DF26633	DF26733	DF26833	DF26933	DF27033	DF27133	DF27233	DF27333	DF27433	DF27533	DF27633	DF27733	DF27833	DF27933	DF28033	DF28133	DF28233	DF28333	DF28433	DF28533	DF28633	DF28733	DF28833	DF28933	DF29033	DF29133	DF29233	DF29333	DF29433	DF29533	DF29633	DF29733	DF29833	DF29933	DF30033	DF30133	DF30233	DF30333	DF30433	DF30533	DF30633	DF30733	DF30833	DF30933	DF31033	DF31133	DF31233	DF31333	DF31433	DF31533	DF31633	DF31733	DF31833	DF31933	DF32033	DF32133	DF32233	DF32333	DF32433	DF32533	DF32633	DF32733	DF32833	DF32933	DF33033	DF33133	DF33233	DF33333	DF33433	DF33533	DF33633	DF33733	DF33833	DF33933	DF34033	DF34133	DF34233	DF34333	DF34433	DF34533	DF34633	DF34733	DF34833	DF34933	DF35033	DF35133	DF35233	DF35333	DF35433	DF35533	DF35633	DF35733	DF35833	DF35933	DF36033	DF36133	DF36233	DF36333	DF36433	DF36533	DF36633	DF36733	DF36833	DF36933	DF37033	DF37133	DF37233	DF37333	DF37433	DF37533	DF37633	DF37733	DF37833	DF37933	DF38033	DF38133	DF38233	DF38333	DF38433	DF38533	DF38633	DF38733	DF38833	DF38933	DF39033	DF39133	DF39233	DF39333	DF39433	DF39533	DF39633	DF39733	DF39833	DF39933	DF40033	DF40133	DF40233	DF40333	DF40433	DF40533	DF40633	DF40733	DF40833	DF40933	DF41033	DF41133	DF41233	DF41333	DF41433	DF41533	DF41633	DF41733	DF41833	DF41933	DF42033	DF42133	DF42233	DF42333	DF42433	DF42533	DF42633	DF42733	DF42833	DF42933	DF43033	DF43133	DF43233	DF43333	DF43433	DF43533	DF43633	DF43733	DF43833	DF43933	DF44033	DF44133	DF44233	DF44333	DF44433	DF44533	DF44633	DF44733	DF44833	DF44933	DF45033	DF45133	DF45233	DF45333	DF45433	DF45533	DF45633	DF45733	DF45833	DF45933	DF46033	DF46133	DF46233	DF46333	DF46433	DF46533	DF46633	DF46733	DF46833	DF46933	DF47033	DF47133	DF47233	DF47333	DF47433	DF47533	DF47633	DF47733	DF47833	DF47933	DF48033	DF48133	DF48233	DF48333	DF48433	DF48533	DF48633	DF48733	DF48833	DF48933	DF49033	DF49133	DF49233	DF49333	DF49433	DF49533	DF49633	DF49733	DF49833	DF49933	DF50033	DF50133	DF50233	DF50333	DF50433	DF50533	DF50633	DF50733	DF50833	DF50933	DF51033	DF51133	DF51233	DF51333	DF51433	DF51533	DF51633	DF51733	DF51833	DF51933	DF52033	DF52133	DF52233	DF52333	DF52433	DF52533	DF52633	DF52733	DF52833	DF52933	DF53033	DF53133	DF53233	DF53333	DF53433	DF53533	DF53633	DF53733	DF53833	DF53933	DF54033	DF54133	DF54233	DF54333	DF54433	DF54533	DF54633	DF54733	DF54833	DF54933	DF55033	DF55133	DF55233	DF55333	DF55433	DF55533	DF55633	DF55733	DF55833	DF55933	DF56033	DF56133	DF56233	DF56333	DF56433	DF56533	DF56633	DF56733	DF56833	DF56933	DF57033	DF57133	DF57233	DF57333	DF57433	DF57533	DF57633	DF57733	DF57833	DF57933	DF58033	DF58133	DF58233	DF58333	DF58433	DF58533	DF58633	DF58733	DF58833	DF58933	DF59033	DF59133	DF59233	DF59333	DF59433	DF59533	DF59633	DF59733	DF59833	DF59933	DF60033	DF60133	DF60233	DF60333	DF60433	DF60533	DF60633	DF60733	DF60833	DF60933	DF61033	DF61133	DF61233	DF61333	DF61433	DF61533	DF61633	DF61733	DF61833	DF61933	DF62033	DF62133	DF62233	DF62333	DF62433	DF62533	DF62633	DF62733	DF62833	DF62933	DF63033	DF63133	DF63233	DF63333	DF63433	DF63533	DF63633	DF63733	DF63833	D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DN

尺寸 Dimension

切削刃長 L : 15.5 刀片厚度 S : 6.35
內接圓 IC : 12.7 螺釘孔徑 D1 : 5.16



- 標準庫存 * 僅限中國地區銷售 ◎僅限台灣地區銷售
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◆材質介紹→參考A04頁
Grade Ref. Page-A04

◆斷屑槽選擇→參考A06-A08頁
Chipbreaker Ref. Page-A06-A08

◆切削條件→參考A09頁
Cutting condition Ref. Page-A09

塗層硬質合金 Carbide Coated

金屬陶瓷 Cermet

◆ 斷屑槽選擇→參考A06-A08頁 Chipbreaker Ref.Page-A06-A08			P														P			M			K			N		W35			BQJ706 BQJ606 E1500		鈹鈦 BQJ606F Minimum Feed Ref. Page A09	
◆ 切削條件→參考A09頁 Cutting condition Ref.Page-A09			刀尖 半徑	DF133	DF233	DF333	ECP200	ECP300	ECP3025	BEF607	BEF707	ECM100	ECM200	BE4875	BEJ750	BEJ757	BEJ758	ECM2020	ECK1005	ECK200	ECK300	BEG607	BG656	N			W35			BQJ706 BQJ606 E1500		鈹鈦 BQJ606F Minimum Feed Ref. Page A09		
形狀 Shape	型號 Model No	RE																																
 中切削 Medium	DNMG150604	0.4				●														●														
 ◎FO中切削 Medium	DNMG150604-FO	0.4																																
	DNMG150608-FO	0.8							●	●																								
	DNMG150612-FO	1.2								●																								
 IO中輕切削 Mid and light cutting	DNMG150608-IO	0.8			●	●	●																											
	DNMG150612-IO	1.2											●																					

尺寸 Dimension

切削刃長 L : 11.6 刀片厚度 S : 4.76
內接圓 IC : 9.525 螺釘孔徑 D1 : 3.81

塗層硬質合金 Carbide Coated

金屬陶瓷 Cermet

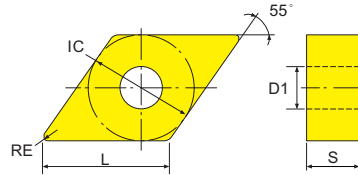
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			P														M			K			N					鍍鈦 Ti6Al4V	
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			P														M			K			N					鍍鈦 Ti6Al4V	
			P														M			K			N						



DN

尺寸 Dimension

切削刃長 L : 15.5 刀片厚度 S : 4.76
內接圓 IC : 12.7 螺釘孔徑 D1 : 5.16



- 標準庫存 * 僅限中國地區銷售 ◎僅限台灣地區銷售
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- ◆材質介紹→參考A04頁
Grade Ref. Page-A04

塗層硬質合金 Carbide Coated

金屬陶瓷 Cermet

- ◆斷屑槽選擇→參考A06-A08頁
Chipbreaker Ref. Page-A06-A08

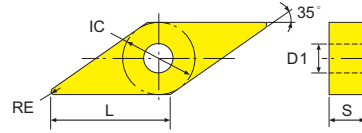
- ◆切削條件→參考A09頁
Cutting condition Ref. Page-A09

形状 Shape	型號 Model No	RE	133	233	333	100	200	300	25	607	707	100	200	475	706	750	757	2020	1005	100	200	300	607	656	W35	606	706	500	606F	備註 Titanium
* IW中切削 Medium 	DNMG150404N-IW	0.4	●																											
	DNMG150408N-IW	0.8	●																											
◎FO中切削 Medium 	DNMG150404-FO	0.4								●						●														
	DNMG150408-FO	0.8								●						●							●							
	DNMG150412-FO	1.2								●						●							●							
IO中切削 Medium 	DNMG150404-IO	0.4		●	●																	●								
	DNMG150408-IO	0.8		●	●	●		●														●								
OC中輕切削 Min and light cutting 	DNMG150404-OC	0.4												●																
	DNMG150408-OC	0.8												●																

VN

尺寸 Dimension

切削刃長 L : 16.6 刀片厚度 S : 4.76
內接圓 IC : 9.525 螺釘孔徑 D1 : 3.81



- 標準庫存 * 僅限中國地區銷售 ○僅限台灣地區銷售
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- ◆材質介紹→參考A04頁
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- ◆斷削槽選擇→參考A06-A08頁
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- ◆切削條件→參考A09頁
Cutting condition Ref. Page-A09

塗層硬質合金 Carbide Coated

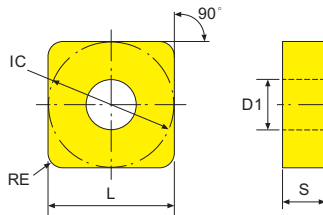
金屬陶瓷 Cermet

形狀 Shape	型號 Model No	RE	P														M				K				N		Cermet			
			DF133	DF333	DF333	DF333	DF333	DF333	DF333	DF333	DF333	DF333	DF333	DF333	DF333	DF333	DF333	DF333	DF333	DF333	DF333	DF333	DF333	DF333	DF333	DF333	DF333	DF333	DF333	DF333
中輕切削 Mid and light cutting	VNMG160404	0.4																												
CFH中輕切削 Mid and light cutting	VNMG160404-CFH	0.4																												
GO中切削 Medium	VNMG160404-GO	0.4																												
IO中切削 Medium	VNMG160404-IO	0.4																												
* IW中切削 Medium	VNMG160404N-IW	0.4																												
RO中輕切削 Mid and light cutting	VNMG160404-RO	0.4																												
OC中切削 Medium	VNMG160404-OC	0.4																												
UH精切削 Finish	VNMG160404-UH	0.4																												
	VNMG160408-UH	0.8																												

SN

尺寸 Dimension

切削刃長 L : 12.7 刀片厚度 S : 4.76
內接圓 IC : 12.7 螺釘孔徑 D1 : 5.16



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- ◆切削條件→參考A09頁
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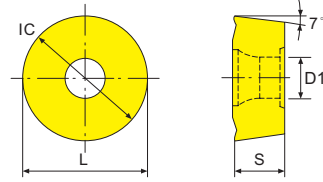
塗層硬質合金 Carbide Coated

金屬陶瓷 Cermet

形狀 Shape	型號 Model No	RE	P																N	W35	BQJ606	BQJ606F	E1500	BQJ706	Titanium Paving
			DF133	DF333	ECP200	ECP300	ECP3025	BEF607	BEF707	ECM100	ECM200	BE4875	BEF706	BEJ750	BEJ757	ECM2020	ECK1005	ECK100	ECK200	ECK300	BE6607	BE6656			
中粗切削 Medium and roughing 	SNMA120408	0.8																●							
	SNMA120412	1.2																●	●						
CFH中輕切削 Mid and light cutting 	SNMG120408-CFH	0.8									●														
FO中切削 Medium 	SNMG120408-FO	0.8											●							●					
FT粗切削 Roughing 	SNMG120408-FT	0.8											●	●						●					
IO中切削 Medium 	SNMG120408-IO	0.8			●	●												●							
	SNMG120412-IO	1.2			●													●							

RC

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金屬陶瓷 Cermet

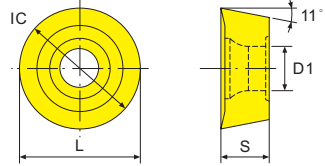
塗層硬質合金 Carbide Coated

							P				P				M		K		E1500				
形狀 Shape	型號 Model No	刀尖半徑 RE	切削刀長 L	內接圓 IC	刀片厚度 S	螺釘孔徑 D1	ECp100	ECp200	ECp300	BEF706	BEF707	ECM100	ECM200	BE4875	BEF706	BEJ750	BEJ757	BEJ758	ECM2020	ECK100	ECK200	ECK300	
	RCKT0803MO-HH	4	8	8	3.18	3.36																	●
	RCMT0803MO	4	8	8	3.18	3.36					●	●											
	RCMT10T3MO	5	10	10	3.97	4.4				●		●											
	RCMT1204MO	6	12	12	4.76	4.4									●								
	RCMT1606MO	8	16	16	6.35	5.5				●													



RP

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- ◆切削條件→參考A09頁
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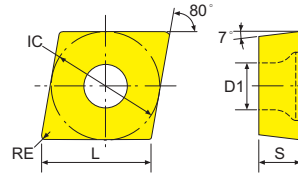
塗層硬質合金 Carbide Coated

形狀 Shape	型號 Model No	刀尖 半徑 RE	切削 刀長 L	內接圓 IC	刀片 厚度 S	螺釘 孔徑 D1	塗層硬質合金 Carbide Coated															
							P				P				M				K			
							ECp100	ECp200	BEF706	BEF707	ECM100	ECM200	BE4875	BEF706	BEJ750	BEJ757	BEJ758	ECM2020	ECK100	ECK200	ECK300	BE6607
	RPXT10T3MO	5	10	10	3.97	4.1					●	●										
	RPMT10T3MOE	5	10	10	3.97	4.1					●	●										
	RPMX10T3MO	5	10	10	3.97	4.1						●										
	RPXT1204MO	6	12	12	4.76	4.36					●	●										
	RPMT1204MOE	6	12	12	4.76	4.36					●	●										
	RPMX1204MO-HH	6	12	12	4.76	4.36	●				●	●										
	RPMT1604MO-HH	4	16	16	6.35	4.9											●					
	RPMT1606MOE	8	16	16	6.35	4.9					●	●										

CC

尺寸 Dimension

切削刃長 L : 6.4 刀片厚度 S : 2.38
內接圓 IC : 6.35 螺釘孔徑 D1 : 2.8



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塗層硬質合金 Carbide Coated

金屬陶瓷 Cermet

- ◆ 斷削槽選擇→參考A06-A08頁
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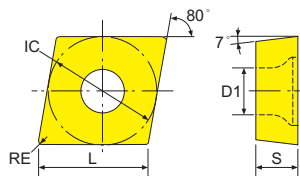
- ◆ 切削條件→參考A09頁
Cutting condition Ref.Page-A09

形狀 Shape	型號 Model No	RE	DF33	ECP100	ECP200	ECP300	ECP3025	BEF607	BEF707	ECM100	ECM200	BEJ757	BEJ750	BEF706	BE4875	ECM100	ECM200	BEJ758	M	K	N	W35	BQJ606	BQW706	E1500	BQJ606F
 JO中切削 Medium	CCMT060204-JO	0.4			●	●	●				●	●						●			●					
	CCMT060208-JO	0.8				●	●				●							●			●					
 * UW精切削 Finish	CCMT060204N-UW	0.4		●																						
	CCMT060208N-UW	0.8		●																						
 GO中切削 Medium	CCMT060204-GO	0.4											●	●												
	CCMT060208-GO	0.8											●	●												
 ◎EC精切削 Finish	CCMT060204-EC	0.4										●	●	●												
	CCMT060208-EC	0.8											●													
 NE銦切削 Aluminum	CCGT060202-NE	0.2											●													
	CCGT060204-NE	0.4											●													
 CJH中輕切削 Mid and light cutting	CCMT060204-CJH	0.4										●	●												●	
	CCMT060208-CJH	0.8										●														

尺寸 Dimension

切削刃長 L : 9.7 刀片厚度 S : 3.97

內接圓 IC : 9.525 螺釘孔徑 D1 : 4.4



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塗層硬質合金 Carbide Coated

金屬陶瓷 Cermet

- ◆斷屑槽選擇→參考A06-A08頁
 Chipbreaker Ref. Page-A06-A08

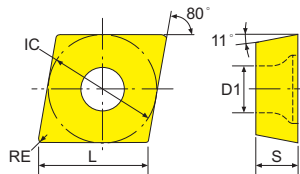
- ◆切削條件→參考A09頁
 Cutting condition Ref. Page-A09

形狀 Shape	型號 Model No	RE	DF33	DF33	P100	P200	P300	3025	F607	F707	M200	4875	P706	J750	J757	J758	2020	K100	K200	K300	G607	G656	W35	J606	W706	I500	606F
CJH中輕切削 Mid and light cutting 	CCMT09T304-CJH	0.4										●													●		
	CCMT09T308-CJH	0.8										●													●		
JO中切削 Medium 	CCMT09T304-JO	0.4			●	●	●		●		●	●							●		●						
	CCMT09T308-JO	0.8				●	●					●							●		●					●	
JT精切削 Finish 	CCMT09T304-JT	0.4							●	●																	
	CCMT09T308-JT	0.8								●											●						
GO中切削 Medium 	CCMT09T304-GO	0.4												●	●												
	CCMT09T308-GO	0.8												●	●												
◎EC精切削 Finish 	CCMT09T304-EC	0.4													●												
	CCMT09T308-EC	0.8													●												
NE鋁切削 Aluminum 	CCGT09T304-NE	0.4													●												
	CCGT09T308-NE	0.8													●												
* UW精切削 Finish 	CCMT09T304N-UW	0.4			●																						
	CCMT09T308N-UW	0.8			●																						

尺寸 Dimension

切削刃長 L : 9.7 刀片厚度 S : 3.18

內接圓 IC : 9.525 螺釘孔徑 D1 : 4.4



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塗層硬質合金 Carbide Coated

金屬陶瓷 Cermet

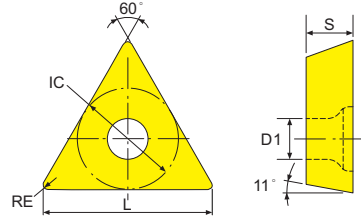
- ◆斷屑槽選擇→參考A06-A08頁
Chipbreaker Ref. Page-A06-A08

- ◆切削條件→參考A09頁
Cutting condition Ref. Page-A09

形狀 Shape	型號 Model No	RE	F133	F233	F333	P100	P200	P300	P3025	F507	F707	M100	M200	4875	P706	J750	J757	J758	2020	1005	K100	K200	K300	G607	G656	W35	J606	N706	I500	606F	
中粗切削 Medium and roughing 	CPMT090308	0.8											●	●						●											
HI中粗切削 Medium and roughing 	CPMT090304-HI	0.4					●	●												●											
	CPMT090308-HI	0.8					●	●					●								●										
HS中粗切削 Medium and roughing 	CPMT090304-HS	0.4											●	●																	
	CPMT090308-HS	0.8						●					●	●							●		●								

TP

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塗層硬質合金 Carbide Coated

金屬陶瓷 Cermet

形狀 Shape	型號 Model No	刀尖半徑 RE	切削刃長 L	內接圓 IC	刀片厚度 S	螺釘孔徑 D1	P M K N										鉼鈦 E1500	鉼鈦 BQJ606F	鉼鈦 BQJ606F
							ECM100	BEJ750	BEJ750	BEJ750	BEJ750	BEJ750	BEJ750	BEJ750	BEJ750	BEJ750			
	TPGH090202L	0.2	9.6	5.56	2.38	2.8												●	
	TPGH090204L	0.4	9.6	5.56	2.38	2.8												●	
	TPGT090204L	0.4	9.6	5.56	2.38	2.8												●	
	TPGH110302L	0.2	11	6.35	3.18	3.4												●	
	TPGH110304L	0.4	11	6.35	3.18	3.4												●	
	TPGT110304L	0.4	11	6.35	3.18	3.4												●	

尺寸 Dimension

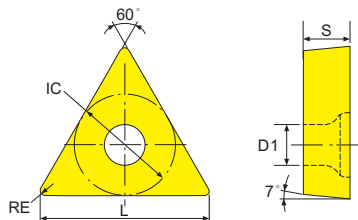
切削刃長 L : 11 刀片厚度 S : 3.18
內接圓 IC : 6.35 螺釘孔徑 D1 : 3.4

塗層硬質合金 Carbide Coated

金屬陶瓷 Cermet

形狀 Shape	型號 Model No	刀尖半徑 RE	P M K N										鉼鈦 E1500	鉼鈦 BQJ606F	鉼鈦 BQJ606F
			DF133	DF233	DF333	DF433	DF533	DF633	DF733	DF833	DF933	DF1033			
	TPMT110304N-EV	0.4			●										
	TPMT110308N-EV	0.8			●										
* UW精切削 Finish 	TPMT110304N-UW	0.4		●											
	TPMT110308N-UW	0.8		●											

尺寸 Dimension	
切削刃長 L : 9.6	刀片厚度 S : 2.38
內接圓 IC : 5.56	螺釘孔徑 D1 : 2.8



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塗層硬質合金 Carbide Coated

金屬陶瓷 Cermet

- ◆ 斷削槽選擇→參考A06-A08頁
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- ◆ 切削條件→參考A09頁
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形狀 Shape	型號 Model No	RE	F333	F333	P100	P200	P300	F607	F707	M200	4875	P706	J750	J757	J758	2020	K1005	K200	K300	G607	G656	W35	J606	W706	1500	606F
GO中切削 Medium 	TCMT090204-GO	0.4											●	●												
	TCMT090208-GO	0.8											●	●												
JO中切削 Medium 	TCMT090204-JO	0.4			●	●				●								●								
	TCMT090208-JO	0.8				●				●								●								

尺寸 Dimension	
切削刃長 L : 9.6	刀片厚度 S : 2.38
內接圓 IC : 5.56	螺釘孔徑 D1 : 2.5

塗層硬質合金 Carbide Coated

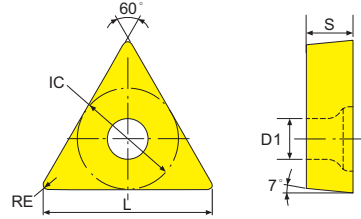
金屬陶瓷 Cermet

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TC

尺寸 Dimension

切削刃長 L : 11 刀片厚度 S : 2.38
內接圓 IC : 6.35 螺釘孔徑 D1 : 2.8



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塗層硬質合金 Carbide Coated

金屬陶瓷 Cermet

- ◆斷屑槽選擇→參考A06-A08頁
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- ◆切削條件→參考A09頁
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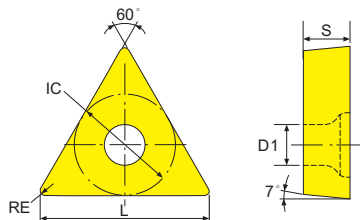
形狀 Shape	型號 Model No	RE	133	233	100	200	300	3025	607	707	1100	1200	1706	1750	1757	1758	2020	1005	1100	1200	1300	1607	1656	W35	1606	1706	1500	1606
NE銼切削 Aluminum 	TCGT110204-NE	0.4																●										
	TCMT110204-CJH	0.4												●														
	TCMT110208-CJH	0.8												●														
GO中切削 Medium 	TCMT110204-GO	0.4															●	●										
	TCMT110208-GO	0.8															●	●										
JO中切削 Medium 	TCMT110204-JO	0.4							●	●			●	●	●			●			●							
	TCMT110208-JO	0.8							●	●			●								●							
* UW精切削 Finish 	TCMT110204N-UW	0.4					●																					
	TCMT110208N-UW	0.8					●																					

TC

尺寸 Dimension

切削刃長 L : 16.5 刀片厚度 S : 3.97

內接圓 IC : 9.525 螺釘孔徑 D1 : 4.4



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- ◆ 斷屑槽選擇→參考A06-A08頁
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- ◆ 切削條件→參考A09頁
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塗層硬質合金 Carbide Coated

金屬陶瓷 Cermet

形狀 Shape	型號 Model No	刀尖半徑 RE	塗層硬質合金 Carbide Coated														金屬陶瓷 Cermet				總代理 Titanium Paving BQJ606F
			P	P	M	K	N														
			DF133	DF333	DF333	ECP300	ECP300	ECP300	ECP300	BEF707	BEF707	ECM100	ECM200	BEJ750	BEJ750	BEJ750	BEJ750	BEJ750	BEJ750	BEJ750	
中切削 Medium	TCMT16T304	0.4																			
CJH精切削 Finish	TCMT16T304	0.4																			
GO中切削 Medium	TCMT16T304-GO	0.4																			
	TCMT16T308-GO	0.8																			
JO中輕切削 Mid and light cutting	TCMT16T304-JO	0.4																			
	TCMT16T308-JO	0.8																			

尺寸 Dimension

切削刃長 L : 16.5 刀片厚度 S : 3.18

內接圓 IC : 6.35 螺釘孔徑 D1 : 2.8

塗層硬質合金 Carbide Coated

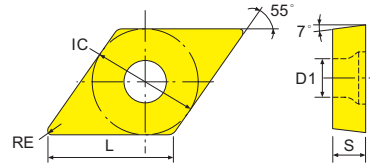
金屬陶瓷 Cermet

形狀 Shape	型號 Model No	刀尖半徑 RE	塗層硬質合金 Carbide Coated														金屬陶瓷 Cermet				總代理 Titanium Paving BQJ606F
			P	P	M	K	N														
			DF133	DF333	DF333	ECP300	ECP300	ECP300	ECP300	BEF707	BEF707	ECM100	ECM200	BEJ750	BEJ750	BEJ750	BEJ750	BEJ750	BEJ750	BEJ750	
NE鋁切削 Aluminum	TCGT16T304-NE	0.4																			
	TCGT16T308-NE	0.8																			

DC

尺寸 Dimension

切削刃長 L : 7.8 刀片厚度 S : 2.38
內接圓 IC : 6.35 螺釘孔徑 D1 : 2.8



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塗層硬質合金 Carbide Coated

金屬陶瓷 Cermet

- ◆斷削槽選擇→參考A06-A08頁
Chipbreaker Ref.Page-A06-A08

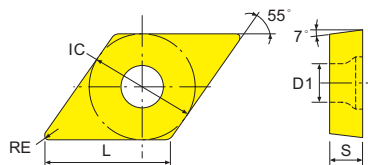
- ◆切削條件→參考A09頁
Cutting condition Ref.Page-A09

形狀 Shape	型號 Model No	RE	塗層硬質合金 Carbide Coated														金屬陶瓷 Cermet			
			DF133	DF333	DF333	DF333	DF333	DF333	DF333	DF333	DF333	DF333	DF333	DF333	DF333	DF333	W35	BQJ606	BQJ606	鑽式 BQJ606
CJH中輕切削 Mid and light cutting 	DCMT070204-CJH	0.4																		
	DCMT070208-CJH	0.8																		
GO中切削 Medium 	DCMT070204-GO	0.4																		
	DCMT070208-GO	0.8																		
JH中輕切削 Mid and light cutting 	DCMT070204-JH	0.4																		
	DCMT070208-JH	0.8																		
JO中輕切削 Mid and light cutting 	DCMT070204-JO	0.4																		
	DCMT070208-JO	0.8																		
NE鋁切削 Aluminum 	DCGT070202-NE	0.2																		
	DCGT070204-NE	0.4																		
UH精切削 Finish 	DCGT070202-UH	0.2																		
	DCGT070204-UH	0.4																		
* UW精切削 Finish 	DCMT070204N-UW	0.4	●																	
	DCMT070208N-UW	0.8	●																	

尺寸 Dimension

切削刃長 L : 11.6 刀片厚度 S : 3.97

內接圓 IC : 9.525 螺釘孔徑 D1 : 4.4



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- ◆材質介紹→參考A04頁
 Grade Ref.Page-A04

塗層硬質合金 Carbide Coated

金屬陶瓷 Cermet

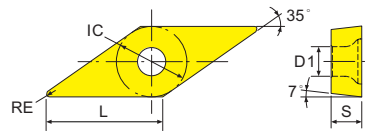
- ◆斷削槽選擇→參考A06-A08頁
 Chipbreaker Ref.Page-A06-A08

- ◆切削條件→參考A09頁
 Cutting condition Ref.Page-A09

形狀 Shape	型號 Model No	RE	F333	F233	P100	P200	P300	3025	F607	F707	M200	4875	J750	J757	2020	K100	K200	K300	G607	G656	W35	J606	W706	1500	606F
CJH中輕切削 Mid and light cutting 	DCMT11T304-CJH	0.4										●													
	DCMT11T308-CJH	0.8										●													
GO中切削 Medium 	DCMT11T304-GO	0.4											●	●											
	DCMT11T308-GO	0.8											●	●											
JH中輕切削 Mid and light cutting 	DCMT11T304-JH	0.4																							
	DCMT11T308-JH	0.8																							●
JO中輕切削 Mid and light cutting 	DCMT11T304-JO	0.4			●	●	●			●	●						●		●						
	DCMT11T308-JO	0.8				●	●			●	●						●								
NE鋁切削 Aluminum 	DCGT11T304-NE	0.4												●											
	DCGT11T308-NE	0.8												●											
UH精切削 Finish 	DCGT11T302-UH	0.2																					●		●
	DCGT11T304-UH	0.4																					●		●
	DCGT11T308-UH	0.8																					●		●
* UW精切削 Finish 	DCMT11T304N-UW	0.4	●																						
	DCMT11T308N-UW	0.8	●																						

VC

尺寸 Dimension	
切削刃長 L : 11	刀片厚度 S : 3.18
內接圓 IC : 6.35 螺釘孔徑 D1 : 2.8	



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◆ 材質介紹→參考A04頁
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塗層硬質合金 Carbide Coated

金屬陶瓷 Cermet

◆ 斷屑槽選擇→參考A06-A08頁
Chipbreaker Ref.Page-A06-A08

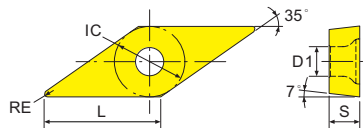
◆ 切削條件→參考A09頁
Cutting condition Ref.Page-A09

形狀 Shape	型號 Model No	RE	刀片半徑																Titanium TiAlN	TiN						
			DF133	DF333	ECF200	ECF300	ECF3025	BEF607	BEF707	ECM200	ECM100	BEJ750	BEJ757	BEJ758	ECM2020	ECK1005	ECK100	ECK200	ECK300	BE607	BC656	W35	BQJ606	BQW706	E1500	BQJ606F
 NE銼切削 Aluminum	VCGT110302-NE	0.2											●													
	VCGT110304-NE	0.4											●													
 EC中輕切削 Mid and light cutting	VCGT110304R-EC	0.4								●						●										
 UH精切削 Finish	VCGT110302-UH	0.2																							●	●
	VCGT110304-UH	0.4																							●	●
	VCMT110304-HH	0.4			●	●													●							

尺寸 Dimension

切削刃長 L : 16.5 刀片厚度 S : 4.76

內接圓 IC : 9.525 螺釘孔徑 D1 : 4.4



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- ◆ 材質介紹→參考A04頁
 Grade Ref.Page-A04

塗層硬質合金 Carbide Coated

金屬陶瓷 Cermet

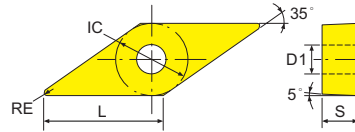
- ◆ 斷屑槽選擇→參考A06-A08頁
 Chipbreaker Ref.Page-A06-A08

- ◆ 切削條件→參考A09頁
 Cutting condition Ref.Page-A09

形狀 Shape	型號 Model No	RE	DF133	DF333	ECF100	ECF200	ECF300	ECF3025	BEF607	BEF707	ECM100	ECM200	BE4875	BEF706	BEJ750	BEJ757	BEJ758	ECM2020	ECK1005	ECK100	ECK200	ECK300	BEG607	BC656	W35	BQJ606	BQW706	E1500	BQJ606F
中輕切削 Mid and light cutting 	VCMT160404	0.4				●						●	●								●								
EC中輕切削 Mid and light cutting 	VCMT160404-EC	0.4				●																							
EK中輕切削 Mid and light cutting 	VCMT160404-EK	0.4				●	●					●	●					●											
	VCMT160408-EK	0.8				●	●					●	●					●		●									
◎GO中切削 Medium 	VCMT160404-GO	0.4													●														
	VCMT160408-GO	0.8													●	●													
 NE鋁切削 Aluminum	VCGT160402-NE	0.2														●													
	VCGT160404-NE	0.4														●													
	VCGT160408-NE	0.8														●													
	VCGT160412-NE	1.2														●													
 * UW精切削 Finish	VCMT160404N-UW	0.4	●																										
	VCMT160408N-UW	0.8	●																										

VB

尺寸 Dimension	
切削刃長 L : 11	刀片厚度 S : 3.18
內接圓 IC : 6.35 螺釘孔徑 D1 : 2.8	



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◆ 材質介紹→參考A04頁
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◆ 斷屑槽選擇→參考A06-A08頁
Chipbreaker Ref.Page-A06-A08

◆ 切削條件→參考A09頁
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塗層硬質合金 Carbide Coated

金屬陶瓷 Cermet

形狀 Shape	型號 Model No	RE	塗層硬質合金 Carbide Coated										金屬陶瓷 Cermet				備註 Titanium Pitting
			P	P	M	K	N	W35	BQ606	BQW706	E1500	BQJ606F					
	VBMT110304-GO	0.4															
	VBMT110308-GO	0.8															

尺寸 Dimension	
切削刃長 L : 16.5	刀片厚度 S : 4.76
內接圓 IC : 9.525 螺釘孔徑 D1 : 4.4	

塗層硬質合金 Carbide Coated

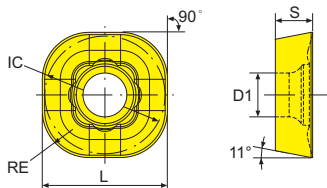
金屬陶瓷 Cermet

形狀 Shape	型號 Model No	RE	塗層硬質合金 Carbide Coated										金屬陶瓷 Cermet				備註 Titanium Pitting
			P	P	M	K	N	W35	BQ606	BQW706	E1500	BQJ606F					
	VBMT160404	0.4															
	VBMT160408	0.8															
	VBMT160404-GO	0.4															
	VBMT160408-GO	0.8															
	VBMT160404-EC	0.4															
	VBMT160408-EC	0.8															

SP

尺寸 Dimension

切削刃長 L : 8 刀片厚度 S : 2.38
內接圓 IC : 8 螺釘孔徑 D1 : 2.8



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- ◆ 材質介紹→參考A04頁
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- ◆ 斷削槽選擇→參考A06-A08頁
Chipbreaker Ref.Page-A06-A08

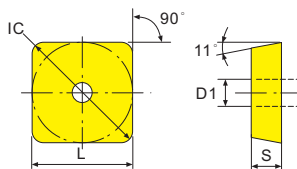
- ◆ 切削條件→參考A09頁
Cutting condition Ref. Page-A09

[illegible]

SP

尺寸 Dimension

切削刃長 L : 12.7 刀片厚度 S : 3.18
內接圓 IC : 12.7



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- ◆ 材質介紹→參考A04頁
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- ◆ 斷削槽選擇→參考A06-A08頁
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- ◆ 切削條件→參考A09頁
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形狀 Shape	型號 Model No	RE	P-F33	P-F23	P-F33	P-P10	P-P20	P-P30	F607	F707	M200	M407	J-50	J-57	K200	K400	G807	G666	W35	J606	E1500	E606F
	SPUN120308	0.8				●	●				●		●	●		●						

尺寸 Dimension

切削刃長 L : 15.875 刀片厚度 S : 4.76
內接圓 IC : 15.875 螺釘孔徑 D1 : 3.2

塗層硬質合金 Carbide Coated

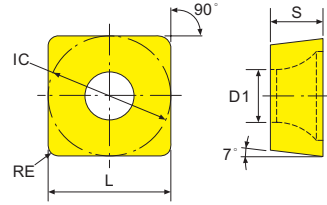
金屬陶瓷 Cermet

[illegible]

SC

尺寸 Dimension

切削刃長 L : 9.525 刀片厚度 S : 3.97
內接圓 IC : 9.525 螺釘孔徑 D1 : 4.4



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塗層硬質合金 Carbide Coated

金屬陶瓷 Cermet

- ◆ 斷屑槽選擇→參考A06-A08頁
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- ◆ 切削條件→參考A09頁
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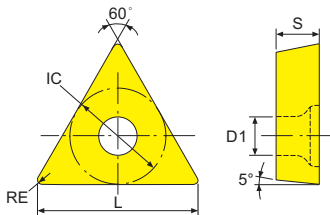
形狀 Shape	型號 Model No	RE	133	233	333	100	200	300	2025	607	707	1100	1200	4875	706	750	757	2020	1005	100	200	300	300	607	656	W35	606	706	1500	鈹氮陶瓷 BQJ606F
 CJH粗切削 Roughing	SCMT09T304-CJH	0.4												●																
	SCMT09T308-CJH	0.8												●																
 JT粗切削 Roughing	SCMT09T304-JT	0.4														●	●							●						●
	SCMT09T308-JT	0.8															●	●												●
 JO中切削 Medium	SCMT09T304-JO	0.4				●	●						●									●								
	SCMT09T308-JO	0.8					●						●									●								
 中粗切削 Medium and roughing	SCMT09T304-HH	0.4				●						●	●					●												

TB

尺寸 Dimension

切削刃長 L : 6.4 刀片厚度 S : 1.59

內接圓 IC : 3.97 螺釘孔徑 D1 : 2.2



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塗層硬質合金 Carbide Coated

金屬陶瓷 Cermet

- ◆ 斷削槽選擇→參考A06-A08頁
Chipbreaker Ref.Page-A06-A08

- ◆ 切削條件→參考A09頁
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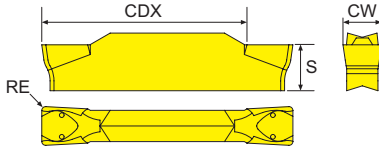
ECH

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◆ 切削條件→參考A09頁
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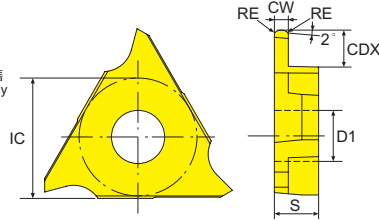
塗層硬質合金 Carbide Coated

金屬陶瓷 Cermet

形狀 Shape	型號 Model No	刀片厚度 S±0.1	刀尖半徑 RE ±0.10	切削寬度 CW	最大加工 槽溝深度 CDX	P				M				N	W35	BQJ606	BQW706	BQJ6060F
						ECF200	BEF606	ECM200	ECM100	BG756	BEJ857	BE4875	BEJ750	BEJ757				
切斷刀片 Grooving insert 	ECH200	4.59	0.2	2	17	●		●										
	ECH300	4.62	0.3	3	17	●		●	●									
	ECH400	4.7	0.4	4	22	●		●										
	ECH500	4.85	0.4	5	22	●		●										
	ECH150-OO	3.53	0.2	1.5	12								●					
	ECH200-OO-8R	4.4	0.2	2	14									●				
	ECH400-OO	4.7	0.4	4	22								●					
	ECH500-OO	4.85	0.4	5	22							●						
雙刃ECH 切斷刀片 Double-edge Grooving insert 	ECH200-OI	4.59	0.2	2	17								●	●				
	ECH250-OI	4.62	0.3	2.5	17		●											
	ECH300-OI	4.62	0.3	3	17		●							●	●			●
	ECH300-OI-6R	4.62	0.3	3	17							●						
	ECH300-OI-15R	4.62	0.3	3	17							●		●				
	ECH400-OI	4.7	0.4	4	22		●						●	●				●
	ECH500-OI	4.85	0.4	5	22		●						●	●				
	ECH600-OI	5.1	0.8	6	22								●	●				
	ECR300-OI	4.62	1.5	3	17								●					
	ECR400-OI	4.7	2	4	22								●					
	ECR500-OI	4.85	2.5	5	22						●		●					
	ECR600-OI	5.1	3	6	22								●					

EC

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- ◆切削條件→參考A09頁
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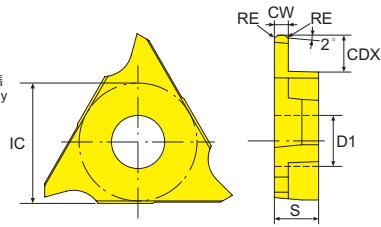
金屬陶瓷
Cement
塗層硬質合金
Carbide Coated

形狀 Shape	型號 Model No	刀尖半徑 RE	內接圓 IC	最大加工 槽溝深度 CDX	切削寬度 CW±0.05	刀片厚度 S	螺釘孔徑 D1	P M E1200		
								ECM120	BEJ750	E1200
	EC16R100-R005	0.05	9.525	2	1	3.18	4.4	●	●	●
	EC16R125-R02	0.2	9.525	2	1.25	3.18	4.4	●	●	●
	EC16R145-R02	0.2	9.525	2	1.45	3.18	4.4	●	●	
	EC16R150-R02	0.2	9.525	2	1.5	3.18	4.4	●	●	●
	EC16R175-R02	0.2	9.525	2	1.75	3.18	4.4		●	●
	EC16R185-R02	0.2	9.525	2.5	1.85	3.18	4.4		●	
	EC16R200-R02	0.2	9.525	2.5	2	3.18	4.4		●	●
	EC16R250-R02	0.2	9.525	2.5	2.5	3.18	4.4		●	
	EC16R300-R02	0.2	9.525	3	3	3.18	4.4		●	●
	EC22R100-R01	0.1	12.7	2	1	4.76	5.5	●	●	●
	EC22R125-R02	0.2	12.7	2	1.25	4.76	5.5	●	●	●
	EC22R130-R02	0.2	12.7	2	1.3	4.76	5.5		●	●
	EC22R140-R02	0.2	12.7	2	1.4	4.76	5.5		●	●
	EC22R145-R02	0.2	12.7	2	1.45	4.76	5.5		●	●
	EC22R150-R02	0.2	12.7	3.5	1.5	4.76	5.5	●	●	●
	EC22R175-R02	0.2	12.7	3.5	1.75	4.76	5.5		●	●
	EC22R185-R02	0.2	12.7	3.5	1.85	4.76	5.5		●	●
	EC22R200-R02	0.2	12.7	3.5	2	4.76	5.5	●	●	●
	EC22R230-R02	0.2	12.7	3.5	2.3	4.76	5.5	●	●	●

※ 請接下頁。 ※ Continued on next page.

EC

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Chipbreaker Ref. Page-A06-A08
- ◆切削條件→參考A09頁
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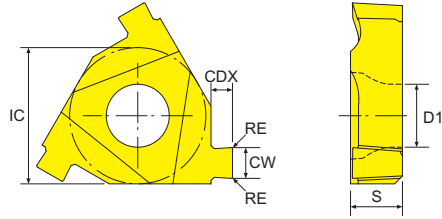
塗層硬質合金
Carbide Coated

金屬陶瓷
Cermel

形狀 Shape	型號 Model No	刀尖半徑 RE	內接圓 IC	最大加工 槽溝深度 CDX	切削寬度 CW±0.05	刀片厚度 S	螺釘孔徑 D1	P M E1200		
								ECM120	BEJ50	E1200
	EC22R250-R03	0.3	12.7	4	2.5	4.76	5.5	●	●	●
	EC22R280-R03	0.3	12.7	4	2.8	4.76	5.5		●	●
	EC22R300-R03	0.3	12.7	4	3	4.76	5.5	●	●	●
	EC22R350-R03	0.3	12.7	5	3.5	4.76	5.5		●	●
	EC22R400-R04	0.4	12.7	5	4	4.76	5.5		●	●
	EC16R100R	0.5	9.525	2	1	3.18	4.4		●	
	EC16R150R	0.75	9.525	2	1.5	3.18	4.4		●	
	EC16R200R	1	9.525	2.5	2	3.18	4.4		●	
	EC16R300R	1.5	9.525	3	3	3.18	4.4		●	
	EC22R100R	0.5	12.7	2	1	4.76	5.5		●	●
	EC22R150R	0.75	12.7	3.5	1.5	4.76	5.5		●	●
	EC22R200R	1	12.7	3.5	2	4.76	5.5		●	●
	EC22R250R	1.25	12.7	4	2.5	4.76	5.5		●	●
	EC22R300R	1.5	12.7	4	3	4.76	5.5	●	●	●
	EC22R400R	2	12.7	5	4	4.76	5.5	●	●	●

ER_T / IR_T

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塗層硬質合金
Carbide Coated

形狀 Shape	型號 Model No	刀尖半徑 RE	內接圓 IC	最大加工 槽溝深度 CDX	切削寬度 CW±0.05	刀片厚度 S	螺釘孔徑 D1	P M	
								ECM120	
	16IR-110R01T130	0.1	9.525	1.3	1.1	3.63	4.4	●	
	16IR-130R01T150	0.1	9.525	1.5	1.3	3.63	4.4	●	
	16IR-160R01T180	0.1	9.525	1.8	1.6	3.63	4.4	●	
	16IR-185R01T200	0.1	9.525	2	1.85	3.63	4.4	●	

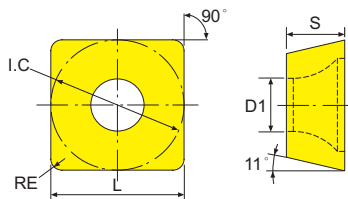
SPMT

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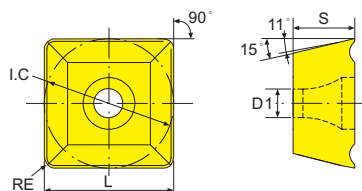
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塗層硬質合金 Carbide Coated

							SPMT系列							
							P	P	M		K	N		
							DF133	DF233	DF333	ECM200	BEJ750	BEP706	BEG607	BEJ757
形狀 Shape	型號 Model No	RE	L	IC	S	D1								
GO中切削 Medium 	SPMT050204-GO	0.4	5	5	2.38	2.2			●					
	SPMT060204-GO	0.4	6	6	2.38	2.6			●					
	SPMT07T308-GO	0.8	7.94	7.94	3.97	2.8			●					
	SPMT090408-GO	0.8	9.8	9.8	4.3	4.2			●					
	SPMT110408-GO	0.8	11.5	11.5	4.76	4.4			●					
	SPMT140512-GO	1.2	14.3	14.3	5.2	5.75			●					

SPGT



塗層硬質合金 Carbide Coated

							超硬合金									
							P		M		K					
							ECM100	ECM200	BEJ706	BEJ750	BEJ757	BEJ758	ECK100	ECK200	ECK300	BE-G607
形狀 Shape	型號 Model No	RE	L	IC	S	D1										
RO中切削 Medium	SPGT050204-RO	0.4	5	5	2.38	2.2					●					
	SPGT060204-RO	0.4	6	6	2.38	2.6					●					
	SPGT07T308-RO	0.8	7.94	7.94	3.97	2.8					●					
	SPGT090408-RO	0.8	9.8	9.8	4.3	4.2					●					
	SPGT110408-RO	0.8	11.5	11.5	4.76	4.4					●					
	SPGT140512-RO	1.2	14.3	14.3	5.2	5.75					●					

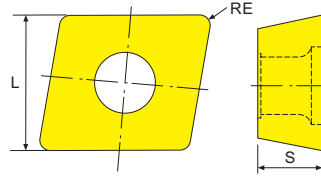
WDXT

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塗層硬質合金 Carbide Coated

					P										P	M	K	K	M	P	P	M	K	N
形狀 Shape		型號 Model No	刀尖半徑 RE	切削刃長 L	刀片厚度 S	ACP100	ACP200	ACP300	ACK300	ACK310	ACK200	ACZ350	ACZ330	DL1500										
	WDXT042004-G		0.4	4.2	2			●	●					●										
	WDXT042004-H		0.4	4.2	2			●	●															
	WDXT052504-G		0.4	5	2.5			●	●						●									
	WDXT052504-H		0.4	5	2.5			●	●															
	WDXT063006-G		0.6	6	3			●	●															
	WDXT073506-G		0.6	7.5	3.5			●	●															
	WDXT094008-G		0.8	9.6	4			●	●															
	WDXT125012-G		1.2	12.4	5			●	●															
	WDXT156012-G		1.2	15.2	6			●	●															

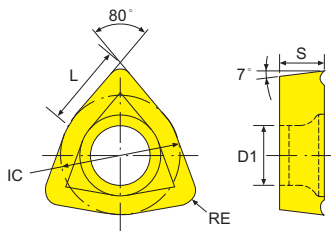
WCMX

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塗層硬質合金 Carbide Coated

形狀 Shape	型號 Model No	刀尖 半徑 RE	切削 刃長 L	內接圓 IC	刀片 厚度 S	螺釘 孔徑 D1	塗層硬質合金 Carbide Coated									
							P	P	M	K	K	M	P	P	K	N
							ECM100	ECM2020	BEJ750	ACK200	ACK300	ACZ310	ACZ330	ACZ350	H1	BG656
	WCMX030208FN	0.8	3.8	5.56	2.38	2.8							●			
	WCMX040208FN	0.8	4.3	6.35	2.38	3.1							●			
	WCMT050308FN	0.8	5.4	7.94	3.18	3.2						●	●			
	WCMT06T308FN	0.8	6.5	9.525	3.97	3.7							●			
	WCMT080412FN	1.2	8.7	12.7	4.76	4.3							●			
	WCMX030208R	0.8	3.8	5.56	2.38	2.8			●							
	WCMX040208R	0.8	4.3	6.35	2.38	3.1			●							
	WCMX050308R	0.8	5.4	7.94	3.18	3.2			●							
	WCMX06T308R	0.8	6.5	9.525	3.97	3.7			●							
	WCMX080412R	1.2	8.7	12.7	4.76	4.3			●							
	WCMX06T308R-53	0.8	6.5	9.525	3.97	3.7										
	WCMX080412R-53	1.2	8.7	12.7	4.76	4.3										
	WCMX030208FN	0.8	3.8	5.56	2.38	2.8	●									
	WCMX040208FN	0.8	4.3	6.35	2.38	3.1	●									
	WCMX050308FN	0.8	5.4	7.94	3.18	3.2	●									
	WCKT030208-EC	0.8	3.8	5.56	2.38	2.8	●									●
	WCKT040208-EC	0.8	4.3	6.35	2.38	3.1	●									●
	WCKT050308-EC	0.8	5.4	7.94	3.18	3.2										●
	WCKT06T308-EC	0.8	6.5	9.525	3.97	3.7										●
	WCKT080408-EC	1.2	8.7	12.7	4.76	4.3										●

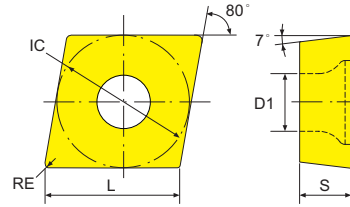
CBN

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塗層硬質合金
Carbide Coated

形狀 Shape	型號 Model No	刀尖半徑 RE	切削刃長 L	內接圓 IC	刀片厚度 S	螺釘孔徑 D1	CBN100
	CCGW060202-2C	0.2	2.5	6.35	2.38	2.8	
	CCGW060204-2C	0.4	2.5	6.35	2.38	2.8	●
	CCGW09T302-2C	0.2	2.5	9.525	3.97	4.4	
	CCGW09T304-2C	0.4	2.5	9.525	3.97	4.4	●
	CNGA120404-2C	0.4	2.4	12.7	4.76	5.16	●
	CNGA120408-2C	0.8	2.4	12.7	4.76	5.16	●
	CNGA120412-2C	1.2	2.3	12.7	4.76	5.16	●

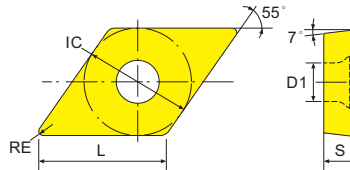
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塗層硬質合金
Carbide Coated

形狀 Shape	型號 Model No	刀尖半徑 RE	切削刃長 L	內接圓 IC	刀片厚度 S	螺釘孔徑 D1	CBN100
	DCGW070202-2C	0.2	2.7	6.35	2.38	2.8	●
	DCGW070204-2C	0.4	2.5	6.35	2.38	2.8	●
	DCGW11T304-2C	0.4	2.5	9.525	3.97	4.4	●
	DCGW11T308-2C	0.8	2.1	9.525	3.97	4.4	●



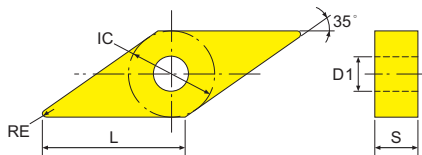
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形狀 Shape	型號 Model No	刀尖半徑 RE	切削刃長 L	內接圓 IC	刀片厚度 S	螺釘孔徑 D1	CBN100
	VCGW160404-2C	0.4	3.3	9.525	4.76	4.4	●
	VCGW160408-2C	0.8	2.8	9.525	4.76	4.4	●
	VNGA160404-2C	0.4	3.3	9.525	4.76	3.81	●
	VNGA160408-2C	0.8	2.8	9.525	4.76	3.81	●

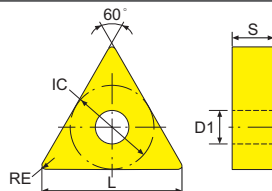
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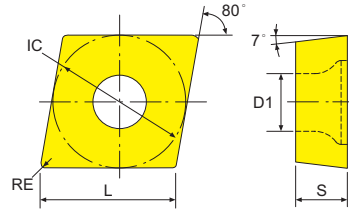


形狀 Shape	型號 Model No	刀尖半徑 RE	切削刃長 L	內接圓 IC	刀片厚度 S	螺釘孔徑 D1	CBN100
	TBGT060104-3C	0.4	6.3	3.97	1.59	2.2	●
	TNGA160404-3C	0.4	2.3	9.525	4.76	3.81	●
	TNGA160408-3C	0.8	2	9.525	4.76	3.81	●
	TPGW080204-3C	0.4	2.5	4.76	2.38	2.4	●
	TPGW110302-3C	0.2	2.6	6.35	3.18	3.4	●
	TPGW110304-3C	0.4	2.5	6.35	3.18	3.4	●
	TPGW11T308-3C	0.8	2.2	6.35	3.18	3.4	●
	TCGW090204-3C	0.4					●
	TCGW110204-3C	0.4					●

PCD

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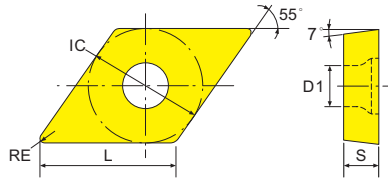


形狀 Shape	型號 Model No	PCD100				
		刀尖半徑 RE	切削刃長 L	內接圓 IC	刀片厚度 S	螺釘孔徑 D1
	CCMT060202-1P	0.2	2.5	6.35	2.38	2.8
	CCMT060204-1P	0.4	2.5	6.35	2.38	2.8
	CCMT09T302-1P	0.2	2.5	9.525	3.97	4.4
	CCMT09T304-1P	0.4	2.5	9.525	3.97	4.4
	CCMT09T308-1P	0.8	2.5	9.525	3.97	4.4
	CNMA120402-1P	0.2	2.5	12.7	4.76	5.16
	CNMA120404-1P	0.4	2.5	12.7	4.76	5.16

PCD

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形狀 Shape	型號 Model No	PCD100				
		刀尖半徑 RE	切削刃長 L	內接圓 IC	刀片厚度 S	螺釘孔徑 D1
	DCMT070202-1P	0.2	2.7	6.35	2.38	2.8
	DCMT070204-1P	0.4	2.5	6.35	2.38	2.8
	DCMT11T302-1P	0.2	2.7	9.525	3.97	4.4
	DCMT11T304-1P	0.4	2.5	9.525	3.97	4.4
	DCMT11308-1P	0.8	2.5	9.525	3.97	4.4

PCD

- 標準庫存

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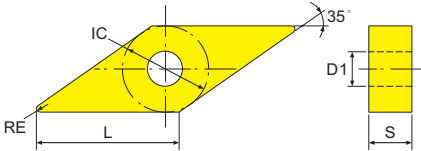
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		刀尖半徑	切削刃長	內接圓	刀片厚度	螺釘孔徑	PCD100
形狀 Shape	型號 Model No	RE	L	IC	S	D1	
	VCMT160402-1P	0.2	3.3	9.525	4.76	4.4	●
	VCMT160404-1P	0.4	2.8	9.525	4.76	4.4	●
	VNMT160402-1P	0.2	3.3	9.525	4.76	3.81	
	VNMT160404-1P	0.4	2.8	9.525	4.76	3.81	

PCD

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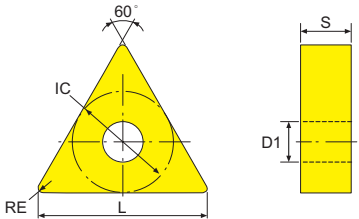
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		刀尖半徑	切削刃長	內接圓	刀片厚度	螺釘孔徑	PCD100
形狀 Shape	型號 Model No	RE	L	IC	S	D1	
	TCMT110202-1P	0.2	2.5	6.35	2.38	2.8	●
	TCMT110204-1P	0.4	2.5	6.35	2.38	2.8	●
	TNMA160402-1P	0.2	2.4	9.525	4.76	3.81	●
	TNMA160404-1P	0.4	2.3	9.525	4.76	3.81	●
	TPMT110302-1P	0.2	2.6	6.35	3.18	3.4	●
	TPMT110304-1P	0.4	2.5	6.35	3.18	3.4	●

牙刀片識別系統

Threading Insert Identification System

16 E R - 1.5 ISO

1

2

2

3

4

1 刀片長度
Insert size

2 刀片型式
Type of Insert

2 刀片方向
Hand of Insert

3 牙距
Pitch

4 牙刀標準
Thread Standard

1 刀片長度 Insert size

記號 Sign	內接圖 IC
11	6.35
16	9.525
22	12.7
27	15.875

2 刀片型式 Type of Insert、刀片方向 Hand of Insert

外徑 External		內徑 Internal	
記號 Sign	刀片方向 Hand of Insert	記號 Sign	刀片方向 Hand of Insert
ER	右手刀片 Right Hand Insert	IR	右手刀片 Right Hand Insert
IR	左手刀片 Left Hand Insert	ER	左手刀片 Left Hand Insert

3 牙距 Pitch

完整資料 Full Profile	
公制 mm	英制 TPI
0.35~6.0	72.4

部份簡介 Partial Profile		
代碼 Code	公制 mm	英制 TPI
A	0.5~1.5	48~16
AG	0.5~3.0	48~8
G	1.75~3.0	14~8
N	3.5~5.0	7~5
Q	5.5~6.0	48~4

4 牙刀標準 Thread Standard

記號 Sign	完整資料 Full Profile	記號 Sign	完整資料 Full Profile
60°	公制螺紋 Partial profile 60°	UN	統一螺紋60° American UN
55°	惠式螺紋 Partial profile 55°	W	BSW：英制粗牙螺紋55° BSP：英製平行管螺紋55° Whitworth for BSW, BSP
ISO	ISO Metric	NPT	60° 錐型管螺紋 60° Taper pipe thread
ACME	29° T型牙 29° T Type thread	BSPT	55° 錐型管螺紋 55° Taper pipe thread
		TR	30° T型牙 30° T Type thread

牙刀片材料牌號

Threading Carbide Grades

EC400

此材質在細顆粒較韌，耐磨的硬質合金材料上，進行先進的PVD塗層，用於對鋼、不鏽鋼和超級合金的一般加工。

An advanced PVD TiAlN coated grade over a tough wear-resistant submicron substrate for general purpose machining of steel、stainless steel、super alloys.

BEJ758

在細顆粒較韌的硬質合金上進行PVD TiAlN塗層，適用於加工鋼、硬化鋼(HRC30-50)和硬化鑄鐵(HRC50-55)。

PVD TiAlN coated over tough submicron grade for machining steel, hardened steel(HRC30 up to HRC56) and hardened cast iron (HRC50-55).

材質 Grade		P				M				K				N				S				H			
		P10	P20	P30	P40	M10	M20	M30	M40	K10	K20	K30	K40	N10	N20	N30	N40	S10	S20	S30	S40	H10	H20	H30	H40
塗層素鋼 Coated	EC400																								
	BEJ758																								

根據螺旋角的墊片選擇

Selection Base On Helix Angle Anvils

L	刀體類型 Holder Type	螺旋角 Thread Helix Angle							
		4.5	3.5	2.5	1.5	0.5	0	-0.5	-1.5
16	ER / IL	ES16+4.5	ES16+3.5	ES16+2.5	ES16+1.5	ES16+0.5	ES16-0	ES16-0.5	ES16-1.5
	IR / EL	IS16+4.5	IS16+3.5	IS16+2.5	IS16+1.5	IS16+0.5	IS16-0	IS16-0.5	IS16-1.5
22	ER / IL	ES22+4.5	ES22+3.5	ES22+2.5	ES22+1.5	ES22+0.5	ES22-0	ES22-0.5	ES22-1.5
	IR / EL	IS22+4.5	IS22+3.5	IS22+2.5	IS22+1.5	IS22+0.5	IS22-0	IS22-0.5	IS22-1.5
27	ER / IL	ES27+4.5	ES27+3.5	ES27+2.5	ES27+1.5	ES27+0.5	ES27-0	ES27-0.5	ES27-1.5
	IR / EL	IS27+4.5	IS27+3.5	IS27+2.5	IS27+1.5	IS27+0.5	IS27-0	IS27-0.5	IS27-1.5

牙刀切削參數

Machine Conditions

ISO	材料 Material	HB 硬度 Hardness	塗層 Coated	非塗層 Uncoated
			EC400	BEJ758
			線速度 Cutting Spee D M/Min	
P 鋼 Steel	低碳鋼・易切鋼 Non-alloy steel free cutting steel	130	80-120	80-120
	低碳合金鋼 Low carbon alloy steel	200	80-120	80-120
	高碳合金鋼 High carbon alloy steel	240	60-90	60-90
	熱處理鋼 Heattreatedsteel	400	60-90	60-90
M 不鏽鋼 Stainless Steel	不鏽鋼(303,304,316) 300 stainless steel	200	70-100	70-100
	不鏽鋼(420,440) 400 stainless steel	240	50-80	50-80
	17-4 PH, 15PH, 18-8MO PH	400	40-60	40-60
K 鑄鐵 Cast Iron	工具鋼・鑄鋼 Tool steelcast steel	270	80-120	80-120
	鑄鋼 SC490	270	80-120	80-120
	鑄鐵 FC300	270	80-120	80-120
	鑄鐵 FC400	270	80-120	80-120
N 非鐵金屬 Alloy	鋁 Wrought aluminum(2024,6061,7075..)	80	150-200	150-200
	鑄鋁 Cast aluminum	90	120-160	120-160
	銅合金 Copper alloys:brass, bronze, copper silicon	100	100-150	100-150
	非金屬 Non metallic. Rubber, polypropylene, thermoplastics(PVC) fiberglass, polyamides	N	200-300	200-300
S 難削材 Machining of Difficult-to- Cut Metals	鈦合金 Alpha-beta alloys: Ti6Al4V / $\alpha-\beta$	350	30-60	30-60
	鎳基合金 Inconel, hastelloy, waspalloy, kovar	300	30-60	30-60
	高溫合金 High temperature alloys:iron based:incoloy	270	30-60	30-60
H 高硬度材 High Hardness Metals	超硬鋼 Hardened steel	HRC56	20-45	20-45
	超硬鑄鐵 Hard ened cast iron	HRC50	20-45	20-45

外徑公制螺紋加工進給切深參數

O.D Metric Threads

每次加工切深 : mm
Cutting Depth / Time(mm)

螺距 Pitch (mm)	總切深 Depth (mm)	加工進給次數 Processing Number Of Times															
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
0.75	0.48	0.24	0.12	0.07	0.05												
1.00	0.64	0.25	0.15	0.11	0.08	0.05											
1.25	0.80	0.25	0.15	0.12	0.09	0.08	0.06	0.05									
1.50	0.92	0.28	0.15	0.12	0.10	0.09	0.07	0.06	0.05								
1.75	1.10	0.28	0.15	0.12	0.10	0.10	0.09	0.08	0.07	0.06	0.05						
2.00	1.26	0.30	0.16	0.13	0.10	0.09	0.09	0.08	0.07	0.07	0.06	0.06	0.05				
2.50	1.57	0.38	0.19	0.15	0.10	0.10	0.09	0.09	0.08	0.08	0.07	0.07	0.06	0.06	0.05		
3.00	1.87	0.40	0.22	0.15	0.13	0.12	0.10	0.10	0.09	0.09	0.08	0.08	0.07	0.07	0.06	0.06	0.05

內徑英制螺紋加工進給切深參數

I.D Inch Diameter Threads

每次加工切深 : mm
Cutting Depth / Time(mm)

螺距 Pitch (inch)	總切深 Depth (mm)	加工進給次數 Processing Number Of Times															
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
8	2.00	0.40	0.25	0.19	0.16	0.14	0.12	0.11	0.10	0.09	0.08	0.07	0.07	0.06	0.06	0.05	0.05
9	1.78	0.38	0.20	0.13	0.12	0.11	0.10	0.10	0.09	0.09	0.08	0.08	0.07	0.07	0.06	0.05	0.05
10	1.60	0.38	0.20	0.15	0.12	0.10	0.09	0.09	0.08	0.08	0.07	0.07	0.06	0.06	0.05		
11	1.46	0.30	0.18	0.13	0.12	0.11	0.10	0.08	0.08	0.07	0.07	0.06	0.06	0.05	0.05		
12	1.34	0.30	0.18	0.13	0.12	0.11	0.10	0.09	0.08	0.07	0.06	0.05	0.05				
13	1.23	0.30	0.18	0.13	0.10	0.08	0.08	0.07	0.07	0.06	0.06	0.05	0.05				
14	1.15	0.28	0.15	0.12	0.10	0.10	0.09	0.08	0.07	0.06	0.05	0.05					
16	1.00	0.28	0.15	0.10	0.09	0.08	0.07	0.07	0.06	0.05	0.05						
18	0.89	0.26	0.15	0.12	0.10	0.08	0.07	0.06	0.05								
20	0.80	0.26	0.15	0.10	0.09	0.08	0.07	0.05									
24	0.67	0.25	0.19	0.12	0.06	0.05											
28	0.57	0.25	0.17	0.10	0.05												
32	0.50	0.24	0.14	0.07	0.05												

ER / IR

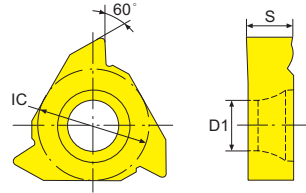
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- Standard Stocks * Sell in China only ◎Sell in Taiwan only

- 另有其他規格，歡迎來電諮詢！
- We could provide inserts for other specifications, please contact us!

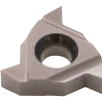
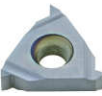
- ◆材質介紹→參考A04頁
Grade Ref. Page-A04

- ◆切削條件→參考A09頁
Cutting condition Ref. Page-A09

- ◆斷屑槽選擇→參考A06-A08頁
Chipbreaker Ref. Page-A06-A08



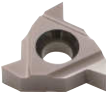
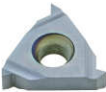
塗層硬質合金
Carbide Coated

形狀 Shape	型號 Model No	螺距(公制) Pitch(mm)	螺距(英制) Pitch(inch)	內接圓 IC	刀片厚度 S	螺釘孔徑 D1	P M	
							EC400	BEJ758
 	06IR-0.5-ISO	0.5	—	4	1.85	2.32	●	
	06IR-0.75-ISO	0.75	—	4	1.85	2.32	●	
	06IR-1.0-ISO	1	—	4	1.85	2.32	●	
	06IR-27NPT	—	27	4	1.85	2.32	●	
	06IR-19W	—	19	4	1.85	2.32	●	
	06IR-28W	—	28	4	1.85	2.32	●	
	06IR-A55	0.5-1.5	—	4	1.85	2.32	●	
	06IR-A60	0.5-1.5	—	4	1.85	2.32	●	
	08IR-0.5-ISO	0.5	—	5	2.24	2.57	●	
	08IR-1.0-ISO	1	—	5	2.24	2.57	●	
	08IR-1.5-ISO	1.5	—	5	2.24	2.57	●	
	08IR-A60	0.5-1.5	—	5	2.24	2.57	●	
	08IR-A55	0.5-1.5	—	5	2.24	2.57	●	
	11ER/IR-0.5-ISO	0.5	—	6.35	3.05	2.8	●	
	11ER/IR-0.75-ISO	0.75	—	6.35	3.05	2.8	●	●
	11ER/IR-1.0-ISO	1	—	6.35	3.05	2.8	●	●
	11ER/IR-1.25-ISO	1.25	—	6.35	3.05	2.8	●	
	11ER/IR-1.5-ISO	1.5	—	6.35	3.05	2.8	●	
	11IR-1.75-ISO	1.75	—	6.35	3.05	2.8	●	●
	11IR-2.0-ISO	2	—	6.35	3.05	2.8	●	
	11IR-14BSPT	—	14	6.35	3.05	2.8	●	

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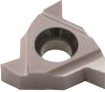
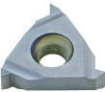
 塗層硬質合金
Carbide Coated

形狀 Shape	型號 Model No	螺距(公制) Pitch(mm)	螺距(英制) Pitch(inch)	內接圓 IC	刀片厚度 S	螺釘孔徑 D1	P M	
							EC400	BEJ758
 	11IR-14NPT	—	14	6.35	3.05	2.8	●	
	11IR-14UN	—	14	6.35	3.05	2.8	●	●
	11IR-16UN	—	16	6.35	3.05	2.8	●	
	11ER/IR-18UN	—	18	6.35	3.05	2.8	●	
	11ER/IR-14W	—	14	6.35	3.05	2.8	●	
	11ER/IR-19W	—	19	6.35	3.05	2.8	●	
	11ER-28W	—	28	6.35	3.05	2.8	●	
	11ER/IR-A55	0.5-1.5	—	6.35	3.05	2.8	●	
	11ER/IR-A60	0.5-1.5	—	6.35	3.05	2.8	●	●
	16ER/IR-12UN	—	12	9.525	3.52	4.4	●	
	16ER/IR-0.35-ISO	0.35	—	9.525	3.52	4.4	●	
	16ER/IR-0.4-ISO	0.4	—	9.525	3.52	4.4	●	
	16IR-0.45-ISO	0.45	—	9.525	3.52	4.4	●	
	16ER/IR-0.5-ISO	0.5	—	9.525	3.52	4.4	●	
	16ER-0.6-ISO	0.6	—	9.525	3.52	4.4	●	
	16ER/IR-0.7-ISO	0.7	—	9.525	3.52	4.4	●	
	16ER/IR-0.75-ISO	0.75	—	9.525	3.52	4.4	●	
	16ER/IR-0.8-ISO	0.8	—	9.525	3.52	4.4	●	
	16ER/IR-1.0-ISO	1	—	9.525	3.52	4.4	●	●
	16ER/IR-1.25-ISO	1.25	—	9.525	3.52	4.4	●	●
	16ER/IR-1.5-ISO	1.5	—	9.525	3.52	4.4	●	●
	16ER/IR-1.75-ISO	1.75	—	9.525	3.52	4.4	●	●
	16ER/IR-2.0-ISO	2	—	9.525	3.52	4.4	●	●
	16ER/IR-2.5-ISO	2.5	—	9.525	3.52	4.4	●	●

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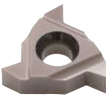
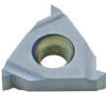
 塗層硬質合金
 Carbide Coated

形狀 Shape	型號 Model No	螺距(公制) Pitch(mm)	螺距(英制) Pitch(inch)	內接圓 IC	刀片厚度 S	螺釘孔徑 D1	P M	
							EC400	BEJ758
 	16ER/IR-3.0-ISO	3	—	9.525	3.52	4.4	●	●
	16IR-8ACME	—	8	9.525	3.52	4.4	●	
	16ER-12ACME	—	12	9.525	3.52	4.4	●	
	16ER/IR-11BSPT	—	11	9.525	3.52	4.4	●	●
	16ER/IR-14BSPT	—	14	9.525	3.52	4.4	●	●
	16ER/IR-19BSPT	—	19	9.525	3.52	4.4	●	●
	16ER-28BSPT	—	28	9.525	3.52	4.4	●	
	16IR-8NPT	—	8	9.525	3.52	4.4	●	●
	16ER/IR-11.5NPT	—	11.5	9.525	3.52	4.4	●	●
	16ER/IR-14NPT	—	14	9.525	3.52	4.4	●	●
	16ER/IR-14NPT-(0.2R)	—	14	9.525	3.52	4.4	●	
	16ER/IR-18NPT	—	18	9.525	3.52	4.4	●	●
	16ER/IR-8UN	—	8	9.525	3.52	4.4	●	●
	16ER-10UN	—	10	9.525	3.52	4.4	●	●
	16IR-11UN	—	11	9.525	3.52	4.4	●	
	16ER/IR-14UN	—	14	9.525	3.52	4.4	●	●
	16ER/IR-16UN	—	16	9.525	3.52	4.4	●	●
	16ER/IR-18UN	—	18	9.525	3.52	4.4	●	●
	16ER/IR-20UN	—	20	9.525	3.52	4.4	●	●
	16ER/IR-24UN	—	24	9.525	3.52	4.4	●	
	16ER-28UN	—	28	9.525	3.52	4.4	●	
	16ER/IR-8W	—	8	9.525	3.52	4.4	●	●
	16ER-10W	—	10	9.525	3.52	4.4	●	●
	16ER/IR-11W	—	11	9.525	3.52	4.4		●

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ER / IR

 塗層硬質合金
Carbide Coated

形狀 Shape	型號 Model No	螺距(公制) Pitch(mm)	螺距(英制) Pitch(inch)	內接圓 IC	刀片厚度 S	螺釘孔徑 D1	P M	
							EC400	BEJ758
 	16ER/IR-12W	—	12	9.525	3.52	4.4	●	●
	16ER/IR-14W	—	14	9.525	3.52	4.4	●	●
	16ER/IR-16W	—	16	9.525	3.52	4.4	●	●
	16ER/IR-18W	—	18	9.525	3.52	4.4	●	●
	16ER/IR-19W	—	19	9.525	3.52	4.4	●	●
	16ER/IR-A60	0.5-1.5	—	9.525	3.52	4.4	●	●
	16ER/IR-A55	0.5-1.5	—	9.525	3.52	4.4	●	●
	16ER/IR-AG55	0.5-3	—	9.525	3.52	4.4	●	●
	16ER/IR-AG60	0.5-3	—	9.525	3.52	4.4	●	●
	16ER/IR-G55	1.75-3	—	9.525	3.52	4.4	●	●
	16ER/IR-G60	1.75-3	—	9.525	3.52	4.4	●	●
	22ER-3.5-ISO	3.5	—	12.7	4.65	5.5	●	
	22ER/IR-4.0TR	—	4	12.7	4.65	5.5	●	
	22ER-4.5-ISO	4.5	—	12.7	4.65	5.5	●	
	22IR-5.0-ISO	5	—	12.7	4.65	5.5	●	
	22IR-7UN	—	7	12.7	4.65	5.5	●	
	22ER/IR-N55	3.5-5	—	12.7	4.65	5.5	●	
	22ER/IR-N60	3.5-5	—	12.7	4.65	5.5	●	