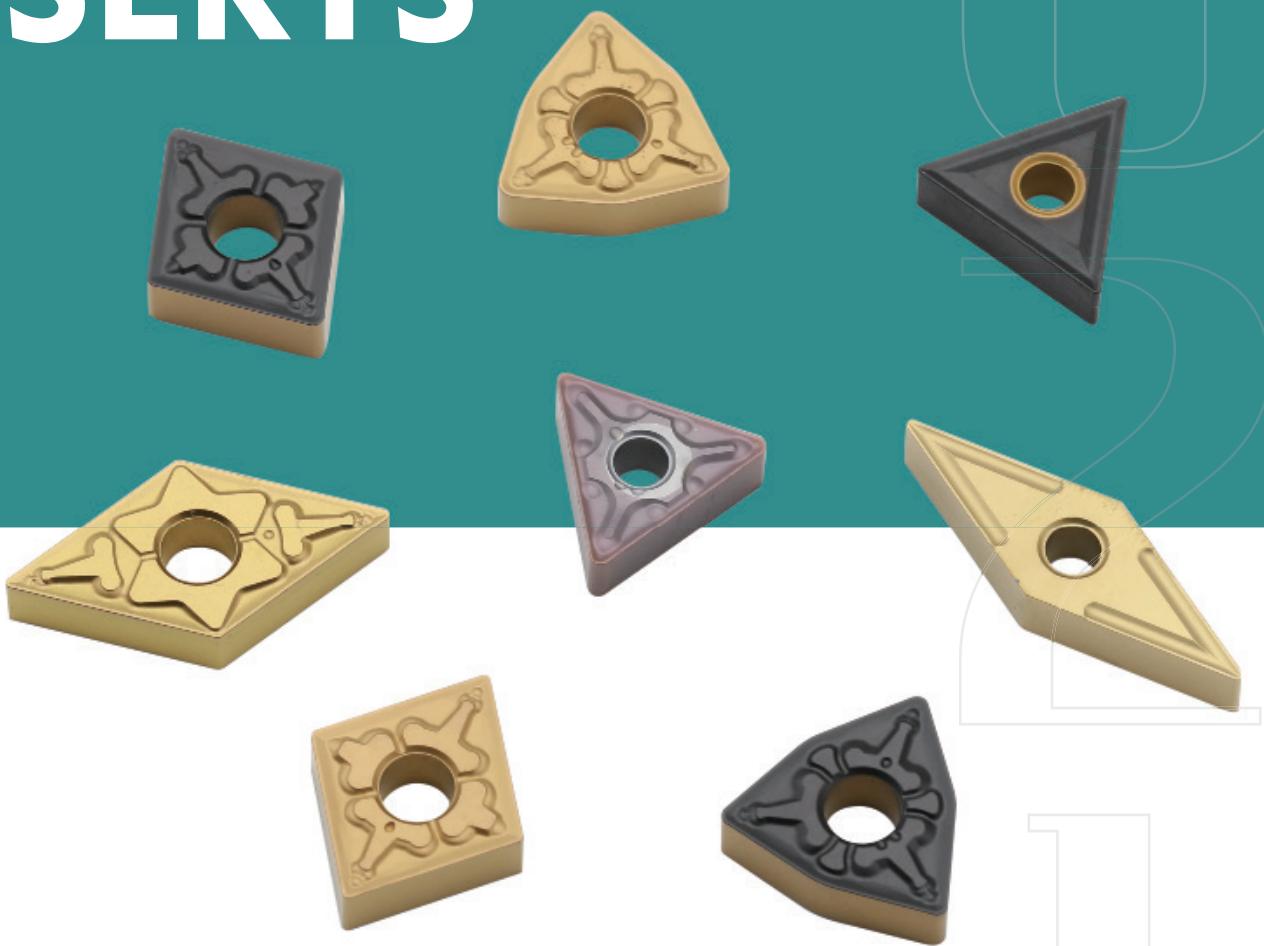




CNC TURNING INSERTS



CNC turning insert

GRADE INTRODUCTION

UTP015

P

With TiN CVD coating, which has very good surface quality, and easy to recognize wear. Widely used for semifinishing to finishing carbon steel and alloy steel

UTP115

P

A new type of high silicon PVD coating, with hardened cemented carbide matrix, can process materials below HRC60.

UTP215

P

Double CVD coating which makes the insert more wear resistance, has longer service life. Suitable for steel processing.

UTM615

P

M

A professional grade for stainless steel processing. The matching coating has excellent toughness and adhesion resistance, and is suitable for stainless steel processing, and also suitable for cutting heat-resistant alloy steel under low-speed conditions.

UTK315

K

A grade with excellent wear resistance and toughness, which is suitable for semifinishing and finishing normal iron and cast iron.

UTN001

N

The cutting edge design with cutting sharpness and strength effectively reduces the frictional resistance between the cutting and the front insert. Suitable for continuous and intermittent aluminum alloy profiling processing

普通车削刀片命名规则 ISO Turning insert Naming Rules

形状代号 Shape

C N M G 12 04 08 — TM

A	B	C

断屑槽及夹固形式代号 Chip Breaker and Hole

C N M G 12 04 08 — TM

代号 Symbol	有无孔 Center Hole	有无断屑槽 Chip Breaker	刀片剖面 Insert Profile	代号 Symbol	有无孔 Center Hole	有无断屑槽 Chip Breaker	刀片剖面 Insert Profile
B	有(Y)	无(N)		N	无(N)	无 (N)	
H	有(Y)	单面(S)		R	无(N)	单面 (S)	
C	有(Y)	无(N)		F	无(N)	双面 (D)	
J	有(Y)	双面(D)		A	有(Y)	无 (N)	
W	有(Y)	无(N)		M	有(Y)	单面 (S)	
T	有(Y)	单面(S)		G	有(Y)	双面 (D)	
Q	有(Y)	无(N)		X			
U	有(Y)	双面(D)					

主切削刃后角代号 Clearance Angle

C N M G 12 04 08 — OPM

A	B

公差代号 Tolerance

C N M G 12 04 08 — OPM

代号 Symbol	刀尖高度m 公差(mm) m(mm)	内接圆ΦI.C 公差(mm) d=I.C.(mm)	厚度S 公差(mm) s (mm)	(参考) M 级精度详细情况 (按形状、大小分) ● 刀尖高度公差 (mm) (reference) M grade tolerance detail (according to shape, size.) Tolerance of insert nose height						
				内接圆 Inscribed Circle	正三角形 Regular Triangle	正方形 Square	80° 菱形 80° Rhombus	55° 菱形 55° Rhombus	35° 菱形 35° Rhombus	圆形 Round
	6.35	± 0.08	± 0.08	± 0.08	± 0.08	± 0.08	± 0.11	± 0.16
	9.525	± 0.08	± 0.08	± 0.08	± 0.08	± 0.08	± 0.11	± 0.16
	12.7	± 0.13	± 0.13	± 0.13	± 0.13	± 0.13	± 0.15
A	± 0.005	± 0.025	± 0.025	15.875	± 0.15	± 0.15	± 0.15	± 0.18
F	± 0.005	± 0.013	± 0.025	19.05	± 0.15	± 0.15	± 0.15	± 0.18
C	± 0.013	± 0.025	± 0.025	25.4	...	± 0.18
H	± 0.013	± 0.013	± 0.013	● 内接圆ΦI.C.公差 (mm) ● Tolerance of Inscribed Circle						
E	± 0.025	± 0.025	± 0.025	内接圆 Inscribed Circle	正三角形 Regular Triangle	正方形 Square	80° 菱形 80° Rhombus	55° 菱形 55° Rhombus	35° 菱形 35° Rhombus	圆形 Round
G	± 0.025	± 0.025	± 0.13							
J	± 0.005	± 0.05—± 0.13	± 0.025	6.35	± 0.05	± 0.05	± 0.05	± 0.05	± 0.05	± 0.05
K	± 0.013	± 0.05—± 0.13	± 0.025	9.525	± 0.05	± 0.05	± 0.05	± 0.05	± 0.05	± 0.05
L	± 0.025	± 0.05—± 0.13	± 0.025	12.7	± 0.08	± 0.08	± 0.08	± 0.08	...	± 0.08
M	± 0.08—± 0.18	± 0.05—± 0.13	± 0.13	15.875	± 0.1	± 0.1	± 0.10	± 0.10	...	± 0.1
N	± 0.08—± 0.18	± 0.05—± 0.13	± 0.025	19.05	± 0.1	± 0.1	± 0.10	± 0.10	...	± 0.1
U	± 0.13—± 0.38	± 0.08—± 0.25	± 0.13	25.4	± 0.13	± 0.13

普通车削刀片命名规则 ISO Turning insert Naming Rules

切削刃长度代号 Cutting Edge Length

C N M G 12 04 08 — OPM

内切圆直径 Inscribed Circle diameter(mm)	刀片外形 Insert Shape							
	C	D	R	S	T	V	W	K
3.97						06		
5				05				
5.56						09		
6				06				
6.35	06	07			11	11		
8				08				
9.525	09	11	09	09	16	16	06	16
10				10				
12				12				
12.7	12	15	12	12	22	22	08	
15.875	16			15	15	27		
16				19	16			
19.05	19			19	19	33		
20				20				
25	25	25	25					
25.4				25	25			
31.75				31				
32				32				

刀片厚度代号 Thickness

C N M G 12 04 08 — OPM

代号 Symbol	刀片厚度 Thickness(mm)
00	0.79
T0	0.99
01	1.59
T1	1.98
02	2.38
T2	2.58
03	3.18
T3	3.97
04	4.76
T4	4.96
05	5.56
T5	5.95
06	6.35
T6	6.75
07	7.94
09	9.52
T9	9.72
11	11.11
12	12.7

厚度指刀片底面与切削刃最高部分之间的高度
The Height Between Insert Bottom And Nose

刀尖圆弧代号 Corner Radius

C N M G 12 04 08 — TM

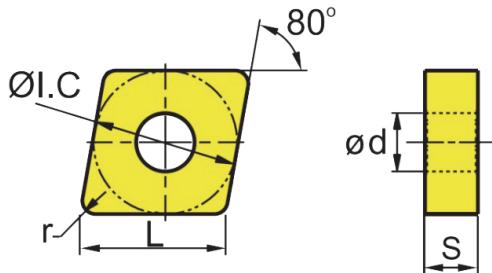
代号 Symbol	刀尖圆弧半径 (mm) Corner Radius (mm)
00	无圆角
02	0.2
04	0.4
08	0.8
12	1.2
16	1.6
20	2
24	2.4
32	3.2
X	其它 Special
刀片直径尺寸mo (公制) Diameter Dimension	圆形刀片 Round Insert

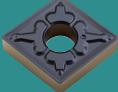
断屑槽型代号 Chip breaker

C N M G 12 04 08 — TM

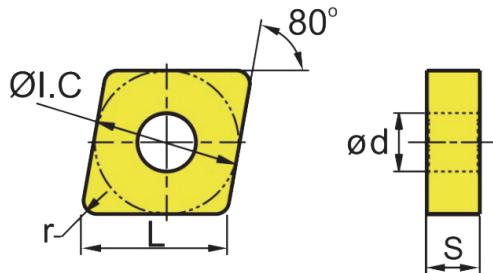
TM	CQ	MA
		
MS	HA	HS
		

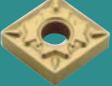
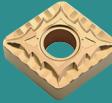
INFORMATION PARAMETER



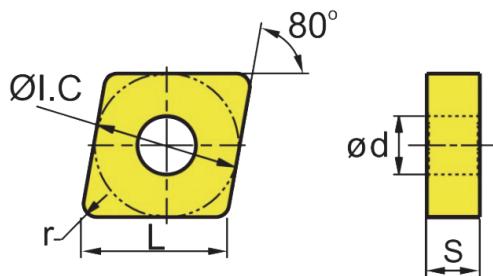
刀片外形 Blade Shape	型号Model	尺寸Size(mm)					牌号Grade				
		L	ΦI.C	S	Φd	r	UTP015	UTP215	UTM615	UTK315	UTN001
	CNMG120404-TM	12.9	12.7	4.76	5.16	0.4	●				
	CNMG120408-TM	12.9	12.7	4.76	5.16	0.8	●				
	CNMG120412-TM	12.9	12.7	4.76	5.16	1.2	●				
	CNMG120416-TM	12.9	12.7	4.76	5.16	1.6	●				
	CNMG160612-TM	16.1	15.875	6.35	6.35	1.2	●				
	CNMG190608-TM	19.3	19.05	6.35	7.94	0.8	●				
	CNMG190612-TM	19.3	19.05	6.35	7.94	1.2	●				
	CNMG120404-TM	12.9	12.7	4.76	5.16	0.4		●			
	CNMG120408-TM	12.9	12.7	4.76	5.16	0.8		●			
	CNMG120412-TM	12.9	12.7	4.76	5.16	1.2		●			

INFORMATION PARAMETER



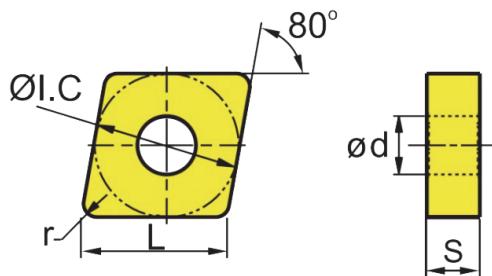
刀片外形 Blade Shape	型号Model	尺寸Size(mm)					牌号Grade			
		L	ΦI.C	S	Ød	r	UTP015	UTP215	UTM615	UTK315
	CNMG090404-HQ	9.7	9.525	3.18	3.81	0.4	●			
	CNMG090408-HQ	9.7	9.525	3.18	5.16	0.8	●			
	CNMG120404-HQ	12.9	12.7	4.76	5.16	0.4	●			
	CNMG120408-HQ	12.9	12.7	4.76	5.16	0.8	●			
	CNMG120412-HQ	12.9	12.7	4.76	5.16	1.2	●			
	CNMG120404-CQ	12.9	12.7	4.76	5.16	0.4	●			
	CNMG120408-CQ	12.9	12.7	4.76	5.16	0.8	●			
	CNMG120412-CQ	12.9	12.7	4.76	5.16	1.2	●			
	CNMG160608-CQ	16.1	15.875	6.35	6.35	0.8	●			
	CNMG160612-CQ	16.1	15.875	6.35	6.35	1.2	●			

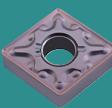
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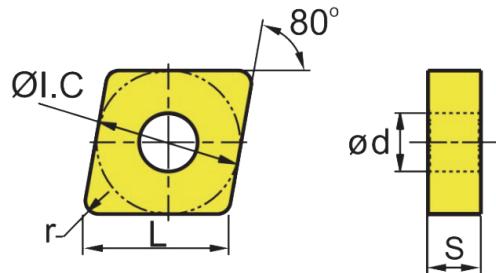
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		L	ΦI.C	S	Φd	r	UTP015	UTP215	UTM615	UTK315	UTN001
	CNMG120404-CQ	12.9	12.7	4.76	5.16	0.4		●			
	CNMG120408-CQ	12.9	12.7	4.76	5.16	0.8		●			
	CNMG120412-CQ	12.9	12.7	4.76	5.16	1.2		●			
	CNMG120404-GS	12.9	12.7	4.76	5.16	0.4		●			
	CNMG120408-GS	12.9	12.7	4.76	5.16	0.8		●			
	CNMG120412-GS	12.9	12.7	4.76	5.16	1.2		●			
	CNMG160608-GS	16.1	15.875	6.35	6.35	0.8		●			
	CNMG160612-GS	16.1	15.875	6.35	6.35	1.2		●			
	CNMG190612-GS	16.1	15.875	6.35	7.94	1.2		●			
	CNMG190616-GS	19.3	19.05	6.35	7.94	1.6		●			

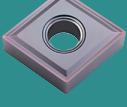
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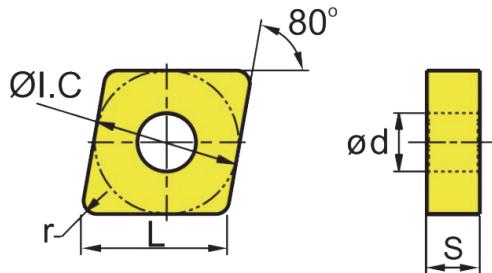
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		L	ΦI.C	S	φd	r	UTP015	UTP215	UTM615	UTK315	UTN001
	CNMG120404-MA	12.9	12.7	4.76	5.16	0.4			●		
	CNMG120408-MA	12.9	12.7	4.76	5.16	0.8			●		
	CNMG120412-MA	12.9	12.7	4.76	5.16	1.2			●		
	CNMG120416-MA	12.9	12.7	4.76	5.16	1.6			●		
	CNMG160608-MA	16.1	15.875	6.35	6.35	0.8			●		
	CNMG160612-MA	16.1	15.875	6.35	6.35	1.2			●		
	CNMG160616-MA	16.1	15.875	6.35	6.35	1.6			●		
	CNMG190612-MA	19.3	19.05	6.35	7.94	1.2			●		
	CNMG190616-MA	19.3	19.05	6.35	7.94	1.6			●		

INFORMATION PARAMETER



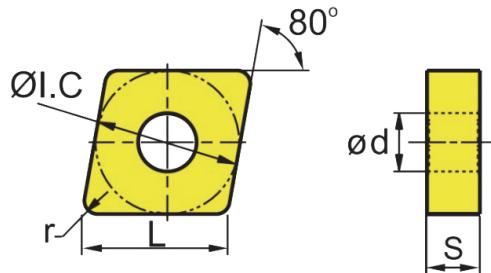
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		L	ØI.C	S	Ød	r	UTP015	UTP215	UTM615	UTK315
	CNMG09T304-MS	9.7	9.525	3.18	3.81	0.4			●	
	CNMG09T308-MS	9.7	9.525	3.18	3.81	0.8			●	
	CNMG120404-MS	12.9	12.7	4.76	5.16	0.4			●	
	CNMG120408-MS	12.9	12.7	4.76	5.16	0.8			●	
	CNMG120412-MS	12.9	12.7	4.76	5.16	1.2			●	
	CNMG160608-MS	16.1	15.875	6.35	6.35	0.8			●	
	CNMG160612-MS	16.1	15.875	6.35	6.35	1.2			●	
	CNMG160616-MS	16.1	15.875	6.35	6.35	1.6			●	
	CNMG190612-MS	19.3	19.05	6.35	7.94	1.2			●	
	CNMG190616-MS	19.3	19.05	6.35	5.16	1.6			●	

INFORMATION PARAMETER



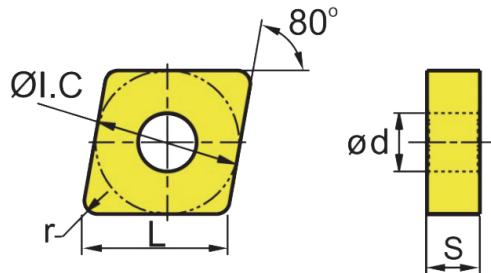
刀片外形 Blade Shape	型号Model	尺寸Size(mm)					牌号Grade				
		L	ΦI.C	S	Φd	r	UTP015	UTP215	UTM615	UTK315	UTN001
	CNMG160608-ZS	16.1	15.875	6.35	6.35	0.8		●			
	CNMG160612-ZS	16.1	15.875	6.35	6.35	1.2		●			
	CNMG160616-ZS	16.1	15.875	6.35	6.35	1.6		●			
	CNMG120404-HA	12.9	12.7	4.76	5.16	0.4		●			
	CNMG120408-HA	12.9	12.7	4.76	5.16	0.8		●			
	CNMG120412-HA	12.9	12.7	4.76	5.16	1.2		●			
	CNMG120404-HS	12.9	12.7	4.76	5.16	0.4		●			
	CNMG120408-HS	12.9	12.7	4.76	5.16	0.8		●			
	CNMG120412-HS	12.9	12.7	4.76	5.16	1.2		●			
	CNMG160612-HS	16.1	15.875	6.35	6.35	1.2		●			

INFORMATION PARAMETER



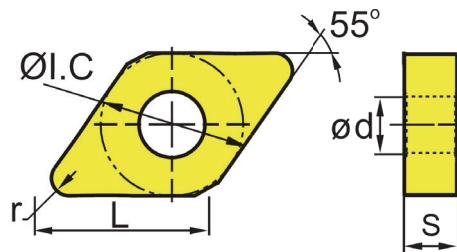
刀片外形 Blade Shape	型号Model	尺寸Size(mm)					牌号Grade				
		L	ΦI.C	S	Φd	r	UTP015	UTP215	UTM615	UTK315	UTN001
	CNMG160616-HS	16.1	15.875	6.35	6.35	1.6			●		
	CNMG190612-HS	19.3	19.05	6.35	7.94	1.2			●		
	CNMG190616-HS	19.3	19.05	6.35	7.94	1.6			●		
	CNMG120404-PR	12.9	12.7	4.76	5.16	0.4	●				
	CNMG120408-PR	12.9	12.7	4.76	5.16	0.8	●				
	CNMG120412-PR	12.9	12.7	4.76	5.16	1.2	●				
	CNMG120404-PM	12.9	12.7	4.76	5.16	0.4	●				
	CNMG120408-PM	12.9	12.7	4.76	5.16	0.8	●				
	CNMG120412-PM	12.9	12.7	4.76	5.16	1.2	●				

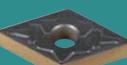
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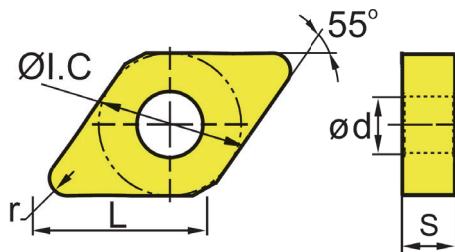
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		L	ΦI.C	S	Ød	r	UTP015	UTP215	UTM615	UTK315	UTN001
	CNMG120404-MS	12.9	12.7	4.76	5.16	0.4				●	
	CNMG120408-MS	12.9	12.7	4.76	5.16	0.8				●	
	CNMG120412-MS	12.9	12.7	4.76	5.16	1.2				●	
	CNMG120404	12.9	12.7	4.76	5.16	0.4				●	
	CNMG120408	12.9	12.7	4.76	5.16	0.8				●	
	CNMG120412	12.9	12.7	4.76	5.16	1.2				●	

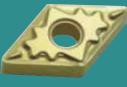
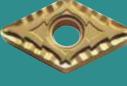
INFORMATION PARAMETER



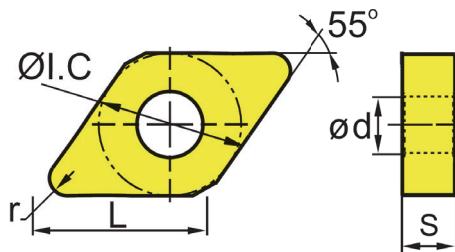
刀片外形 Blade Shape	型号Model	尺寸Size(mm)					牌号Grade				
		L	ΦI.C	S	Φd	r	UTP015	UTP215	UTM615	UTK315	UTN001
	DNMG150404-TM	15.5	12.7	4.76	5.16	0.4	●				
	DNMG150408-TM	15.5	12.7	4.76	5.16	0.8	●				
	DNMG150412-TM	15.5	12.7	4.76	5.16	1.2	●				
	DNMG150416-TM	15.5	12.7	4.76	5.16	1.6	●				
	DNMG150604-TM	15.5	12.7	6.35	5.16	0.4	●				
	DNMG150608-TM	15.5	12.7	6.35	5.16	0.8	●				
	DNMG150612-TM	15.5	12.7	6.35	5.16	1.2	●				
	DNMG150616-TM	15.5	12.7	6.35	5.16	1.6	●				
	DNMG150404-TM	15.5	12.7	4.76	5.16	0.4		●			
	DNMG150408-TM	15.5	12.7	4.76	5.16	0.8		●			

INFORMATION PARAMETER



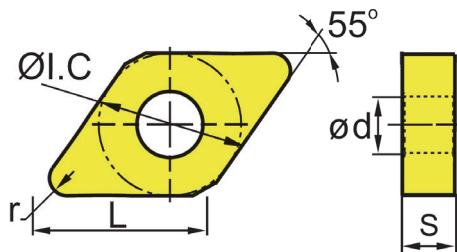
刀片外形 Blade Shape	型号Model	尺寸Size(mm)					牌号Grade			
		L	ΦI.C	S	Φd	r	UTP015	UTP215	UTM615	UTK315
	DNMG110402-HQ	11.6	9.525	4.76	3.81	0.2	●			
	DNMG150404-HQ	15.5	12.7	4.76	5.16	0.4	●			
	DNMG150408-HQ	15.5	12.7	4.76	5.16	0.8	●			
	DNMG150412-HQ	15.5	12.7	4.76	5.16	1.2	●			
	DNMG150604-HQ	15.5	12.7	6.35	5.16	0.4	●			
	DNMG150608-HQ	15.5	12.7	6.35	5.16	0.8	●			
	DNMG150612-CQ	15.5	12.7	6.35	5.16	1.2	●			
	DNMG150404-CQ	15.5	12.7	4.76	5.16	0.4	●			
	DNMG150408-CQ	15.5	12.7	4.76	5.16	0.8	●			
	DNMG150412-CQ	15.5	12.7	4.76	5.16	1.2	●			

INFORMATION PARAMETER



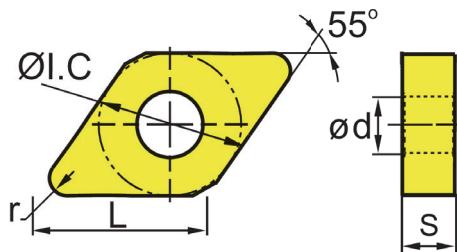
刀片外形 Blade Shape	型号Model	尺寸Size(mm)					牌号Grade			
		L	ΦI.C	S	Φd	r	UTP015	UTP215	UTM615	UTK315
	DNMG150604-CQ	15.5	12.7	6.35	5.16	0.4	●			
	DNMG150608-CQ	15.5	12.7	6.35	5.16	0.8	●			
	DNMG150612-CQ	15.5	12.7	6.35	5.16	1.2				
	DNMG150404-GS	15.5	12.7	4.76	5.16	0.4	●			
	DNMG150408-GS	15.5	12.7	4.76	5.16	0.8	●			
	DNMG150412-GS	15.5	12.7	4.76	5.16	1.2	●			
	DNMG150604-GS	15.5	12.7	6.35	5.16	0.4	●			
	DNMG150608-GS	15.5	12.7	6.35	5.16	0.8	●			
	DNMG150612-GS	15.5	12.7	6.35	5.16	1.2	●			

INFORMATION PARAMETER



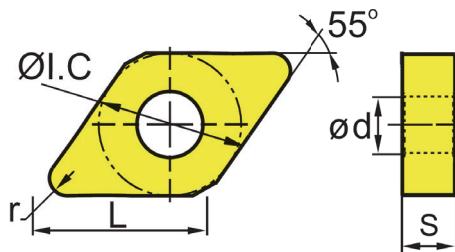
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		L	ΦI.C	S	Φd	r	UTP015	UTP215	UTM615	UTK315
	DNMG110412-MA	11.6	9.525	4.76	3.81	1.2			●	
	DNMG150404-MA	15.5	12.7	4.76	5.16	0.4			●	
	DNMG150408-MA	15.5	12.7	4.76	5.16	0.8			●	
	DNMG150412-MA	15.5	12.7	4.76	5.16	1.2			●	
	DNMG150604-MA	15.5	12.7	6.35	5.16	0.4			●	
	DNMG150608-MA	15.5	12.7	6.35	5.16	0.8			●	
	DNMG150612-MA	15.5	12.7	6.35	5.16	1.2			●	
	DNMG150616-MA	15.5	12.7	6.35	5.16	1.6			●	

INFORMATION PARAMETER



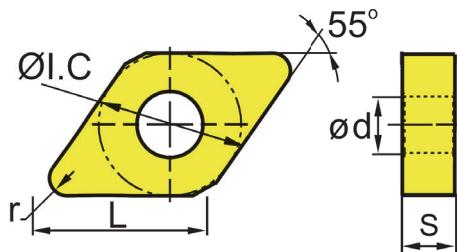
刀片外形 Blade Shape	型号Model	尺寸Size(mm)					牌号Grade			
		L	ΦI.C	S	Φd	r	UTP015	UTP215	UTM615	UTK315
	DNMG150404-MS	15.5	12.7	4.76	5.16	0.4			●	
	DNMG150408-MS	15.5	12.7	4.76	5.16	0.8			●	
	DNMG150412-MS	15.5	12.7	4.76	5.16	1.2			●	
	DNMG150604-MS	15.5	12.7	6.35	5.16	0.4			●	
	DNMG150608-MS	15.5	12.7	6.35	5.16	0.8			●	
	DNMG150612-MS	15.5	12.7	6.35	5.16	1.2			●	
	DNMG150404-HA	15.5	12.7	4.76	5.16	0.4			●	
	DNMG150408-HA	15.5	12.7	4.76	5.16	0.8			●	
	DNMG150604-HA	15.5	12.7	6.35	5.16	0.4			●	
	DNMG150608-HA	15.5	12.7	6.35	5.16	0.8			●	

INFORMATION PARAMETER



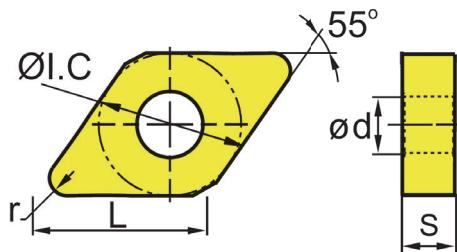
刀片外形 Blade Shape	型号Model	尺寸Size(mm)					牌号Grade			
		L	ΦI.C	S	Φd	r	UTP015	UTP215	UTM615	UTK315
	DNMG150404-HS	15.5	12.7	4.76	5.16	0.4			●	
	DNMG150408-HS	15.5	12.7	4.76	5.16	0.8			●	
	DNMG150412-HS	15.5	12.7	4.76	5.16	1.2			●	
	DNMG150604-HS	15.5	12.7	6.35	5.16	0.4			●	
	DNMG150608-HS	15.5	12.7	6.35	5.16	0.8			●	
	DNMG150612-HS	15.5	12.7	6.35	5.16	1.2			●	
	DNMG150404-PR	15.5	12.7	4.76	5.16	0.4	●			
	DNMG150408-PR	15.5	12.7	4.76	5.16	0.8	●			
	DNMG150412-PR	15.5	12.7	4.76	5.16	1.2	●			

INFORMATION PARAMETER



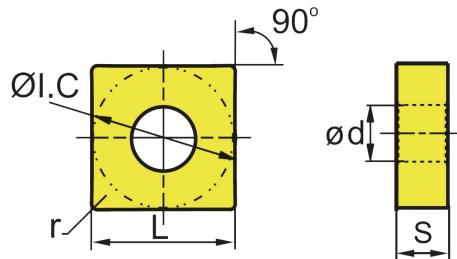
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		L	ΦI.C	S	Φd	r	UTP015	UTP215	UTM615	UTK315
	DNMG150404-PM	15.5	12.7	4.76	5.16	0.4	●			
	DNMG150408-PM	15.5	12.7	4.76	5.16	0.8	●			
	DNMG150412-PM	15.5	12.7	4.76	5.16	1.2	●			
	DNMG150404-PM	15.5	12.7	6.35	5.16	0.4		●		
	DNMG150408-PM	15.5	12.7	6.35	5.16	0.8		●		
	DNMG150404-MS	15.5	12.7	6.35	5.16	0.4			●	
	DNMG150408-MS	15.5	12.7	4.76	5.16	0.8			●	
	DNMG150412-MS	15.5	12.7	4.76	5.16	1.2				●

INFORMATION PARAMETER



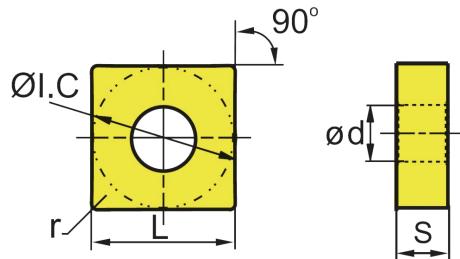
刀片外形 Blade Shape	型号Model	尺寸Size(mm)					牌号Grade			
		L	ØI.C	S	Ød	r	UTP015	UTP215	UTM615	UTK315
	DNMG150404	15.5	12.7	4.76	5.16	0.4	●			
	DNMG150408	15.5	12.7	4.76	5.16	0.8	●			
	DNMG150412	15.5	12.7	4.76	5.16	1.2	●			
	DNMG150604	15.5	12.7	6.35	5.16	0.4		●		
	DNMG150608	15.5	12.7	6.35	5.16	0.8		●		
	DNMG150612	15.5	12.7	6.35	5.16	1.2				●

INFORMATION PARAMETER



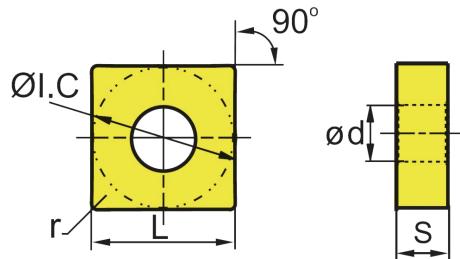
刀片外形 Blade Shape	型号Model	尺寸Size(mm)					牌号Grade				
		L	ΦI.C	S	Φd	r	UTP015	UTP215	UTM615	UTK315	UTN001
	SNMG090304-TM	9.525	9.525	3.18	3.81	0.4	●				
	SNMG090308-TM	9.525	9.525	3.18	3.81	0.8	●				
	SNMG120404-TM	12.7	12.7	4.76	5.16	0.4	●				
	SNMG120408-TM	12.7	12.7	4.76	5.16	0.8	●				
	SNMG120412-TM	12.7	12.7	4.76	5.16	1.2	●				
	SNMG120416-TM	12.7	12.7	4.76	5.16	1.6	●				
	SNMG150608-TM	15.9	15.9	6.35	6.35	0.8	●				
	SNMG150612-TM	15.9	15.9	6.35	6.35	1.2	●				
	SNMG190608-TM	19.1	19.1	6.35	7.94	0.8	●				
	SNMG190612-TM	19.1	19.1	6.35	7.94	1.2	●				

INFORMATION PARAMETER



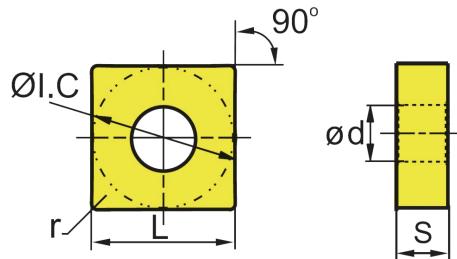
刀片外形 Blade Shape	型号Model	尺寸Size(mm)					牌号Grade				
		L	ΦI.C	S	Φd	r	UTP015	UTP215	UTM615	UTK315	UTN001
	SNMG120404-TM	12.7	12.7	4.76	5.16	0.4		●			
	SNMG120408-TM	12.7	12.7	4.76	5.16	0.8		●			
	SNMG120412-TM	12.7	12.7	4.76	5.16	1.2		●			
	SNMG120404-GS	12.7	12.7	4.76	5.16	0.4		●			
	SNMG120408-GS	12.7	12.7	4.76	5.16	0.8		●			
	SNMG120412-GS	12.7	12.7	4.76	5.16	1.2		●			
	SNMG120416-GS	12.7	12.7	4.76	5.16	1.6		●			
	SNMG190612-GS	19.1	19.1	6.35	7.94	1.2		●			

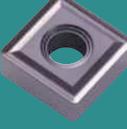
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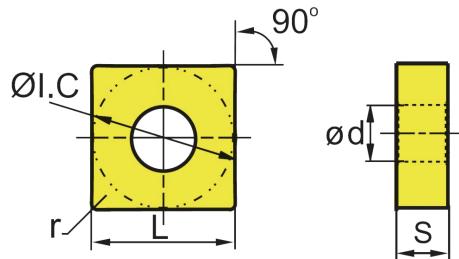
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		L	ØI.C	S	Ød	r	UTP015	UTP215	UTM615	UTK315	UTN001
	SNMG120404-MA	12.7	12.7	4.76	5.16	0.4			●		
	SNMG120408-MA	12.7	12.7	4.76	5.16	0.8			●		
	SNMG120412-MA	12.7	12.7	4.76	5.16	1.2			●		
	SNMG120416-MA	12.7	12.7	4.76	5.16	1.6			●		
	SNMG150608-MA	15.9	15.9	6.35	6.35	0.8			●		
	SNMG150612-MA	15.9	15.9	6.35	6.35	1.2			●		
	SNMG150616-MA	15.9	15.9	6.35	6.35	1.6			●		
	SNMG190612-MA	19.1	19.1	6.35	7.94	1.2			●		
	SNMG190612-MA	19.1	19.1	6.35	7.94	1.6			●		

INFORMATION PARAMETER



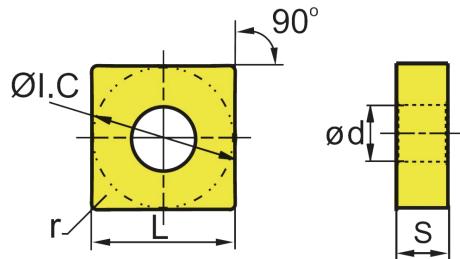
刀片外形 Blade Shape	型号Model	尺寸Size(mm)					牌号Grade				
		L	ΦI.C	S	Φd	r	UTP015	UTP215	UTM615	UTK315	UTN001
	SNMG090304-MS	9.525	9.525	3.18	3.18	0.4			●		
	SNMG090308-MS	9.525	9.525	3.18	3.18	0.8			●		
	SNMG120404-MS	12.7	12.7	4.76	5.16	0.4			●		
	SNMG120408-MS	12.7	12.7	4.76	5.16	0.8			●		
	SNMG120412-MS	12.7	12.7	4.76	5.16	1.2			●		
	SNMG120416-MS	12.7	12.7	4.76	5.16	1.6			●		
	SNMG150612-MS	15.9	15.9	6.35	6.35	1.2			●		
	SNMG150616-MS	15.9	15.9	6.35	6.35	1.6			●		
	SNMG190616-MS	19.1	19.1	6.35	7.94	1.6			●		

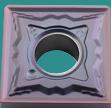
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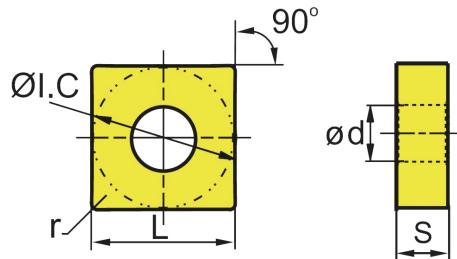
刀片外形 Blade Shape	型号Model	尺寸Size(mm)					牌号Grade				
		L	ΦI.C	S	Φd	r	UTP015	UTP215	UTM615	UTK315	UTN001
	SNMG120404-MS	9.525	9.525	3.18	3.18	0.4			●		
	SNMG120408-MS	9.525	9.525	3.18	3.18	0.8			●		
	SNMG120412-MS	12.7	12.7	4.76	5.16	0.4			●		
	SNMG120416-MS	12.7	12.7	4.76	5.16	0.8			●		
	SNMG120404-HA	12.7	12.7	4.76	5.16	1.2			●		
	SNMG120408-HA	12.7	12.7	4.76	5.16	1.6			●		
	SNMG120412-HA	15.9	15.9	6.35	6.35	1.2			●		

INFORMATION PARAMETER



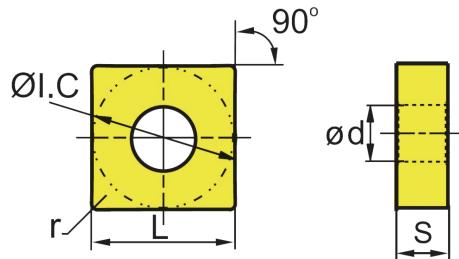
刀片外形 Blade Shape	型号Model	尺寸Size(mm)					牌号Grade				
		L	ΦI.C	S	Φd	r	UTP015	UTP215	UTM615	UTK315	UTN001
	SNMG090304-HS	9.525	9.525	3.18	3.18	0.4			●		
	SNMG090308-HS	9.525	9.525	3.18	3.18	0.8			●		
	SNMG120404-HS	12.7	12.7	4.76	5.16	0.4			●		
	SNMG120408-HS	12.7	12.7	4.76	5.16	0.8			●		
	SNMG120412-HS	12.7	12.7	4.76	5.16	1.2			●		
	SNMG150612-HS	15.9	15.9	6.35	6.35	1.2			●		
	SNMG150616-HS	15.9	15.9	6.35	6.35	1.6			●		
	SNMG190612-HS	19.1	19.1	6.35	7.94	1.2					
	SNMG190616-HS	19.1	19.1	6.35	7.94	1.6			●		

INFORMATION PARAMETER



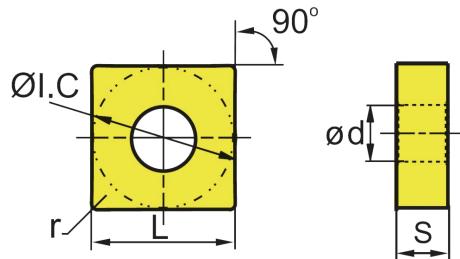
刀片外形 Blade Shape	型号Model	尺寸Size(mm)					牌号Grade				
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	SNMG120404L-S	12.7	12.7	4.76	5.16	0.4			●		
	SNMG120408L-S	12.7	12.7	4.76	5.16	0.8			●		
	SNMG120412L-S	12.7	12.7	4.76	5.16	1.2			●		
	SNMG120404R-S	12.7	12.7	4.76	5.16	0.4			●		
	SNMG120408R-S	12.7	12.7	4.76	5.16	0.8			●		
	SNMG120412R-S	12.7	12.7	4.76	5.16	1.2			●		
	SNMG120404L-S	12.7	12.7	4.76	5.16	0.4		●			
	SNMG120408L-S	12.7	12.7	4.76	5.16	0.8		●			
	SNMG120412L-S	12.7	12.7	4.76	5.16	1.2		●			

INFORMATION PARAMETER



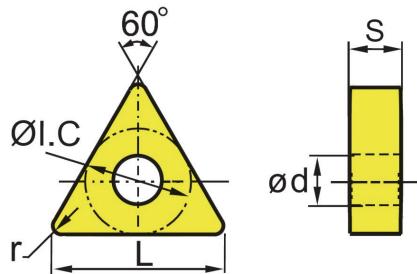
刀片外形 Blade Shape	型号Model	尺寸Size(mm)					牌号Grade				
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	SNMG120404R-S	12.7	12.7	4.76	5.16	0.4		●			
	SNMG120408R-S	12.7	12.7	4.76	5.16	0.8		●			
	SNMG120412R-S	12.7	12.7	4.76	5.16	1.2		●			
	SNMG120404-PR	12.7	12.7	4.76	5.16	0.4	●				
	SNMG120408-PR	12.7	12.7	4.76	5.16	0.8	●				
	SNMG120412-PR	12.7	12.7	4.76	5.16	1.2	●				
	SNMG120404-PM	12.7	12.7	4.76	5.16	0.4	●				
	SNMG120408-PM	12.7	12.7	4.76	5.16	0.8	●				
	SNMG120412-PM	12.7	12.7	4.76	5.16	1.2	●				

INFORMATION PARAMETER



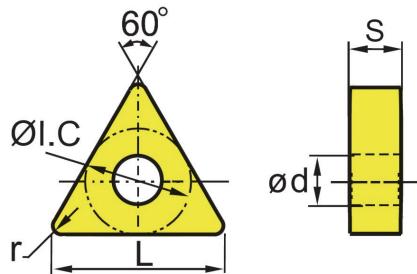
刀片外形 Blade Shape	型号Model	尺寸Size(mm)					牌号Grade			
		L	ΦI.C	S	Φd	r	UTP015	UTP215	UTM615	UTK315
	SNMG120404-MS	12.7	12.7	4.76	5.16	0.4				●
	SNMG120408-MS	12.7	12.7	4.76	5.16	0.8				●
	SNMG120412-MS	12.7	12.7	4.76	5.16	1.2				●
	SNMG120404	12.7	12.7	4.76	5.16	0.4				●
	SNMG120408	12.7	12.7	4.76	5.16	0.8				●
	SNMG120412	12.7	12.7	4.76	5.16	1.2				●

INFORMATION PARAMETER



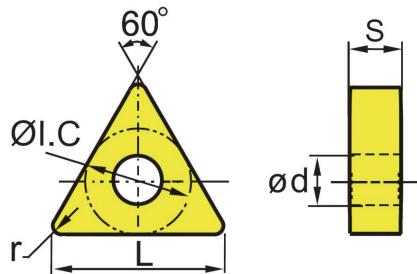
刀片外形 Blade Shape	型号Model	尺寸Size(mm)					牌号Grade				
		L	ØI.C	S	Ød	r	UTP015	UTP215	UTM615	UTK315	UTN001
	TNMG160404-TM	16.5	9.525	4.76	3.81	0.4	●				
	TNMG160408-TM	16.5	9.525	4.76	3.81	0.8	●				
	TNMG160412-TM	16.5	9.525	4.76	3.81	1.2	●				
	TNMG220408-TM	22	12.7	4.76	5.16	0.8	●				
	TNMG220412-TM	22	12.7	4.76	5.16	1.2	●				
	TNMG220416-TM	22	12.7	4.76	5.16	1.6	●				
	TNMG160404-CM	16.5	9.53	4.76	3.81	0.4	●				
	TNMG160408-CM	16.5	9.53	4.76	3.81	0.8	●				
	TNMG160412-CM	16.5	9.53	4.76	3.81	1.2	●				

INFORMATION PARAMETER



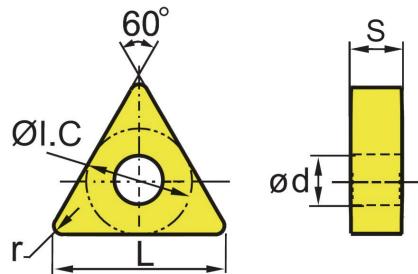
刀片外形 Blade Shape	型号Model	尺寸Size(mm)					牌号Grade				
		L	ØI.C	S	Ød	r	UTP015	UTP215	UTM615	UTK315	UTN001
	TNMG160404-CM	16.5	9.525	4.76	3.81	0.4		●			
	TNMG160408-CM	16.5	9.525	4.76	3.81	0.8		●			
	TNMG160412-CM	16.5	9.525	4.76	3.81	1.2		●			
	TNMG110404-HQ	11	6.35	4.76	2.26	0.4	●				
	TNMG110408-HQ	11	6.35	4.76	2.26	0.8	●				
	TNMG160404-HQ	16.5	9.53	4.76	3.81	0.4	●				
	TNMG160408-HQ	16.5	9.53	4.76	3.81	0.8	●				
	TNMG160412-HQ	16.5	9.53	4.76	3.81	1.2	●				

INFORMATION PARAMETER



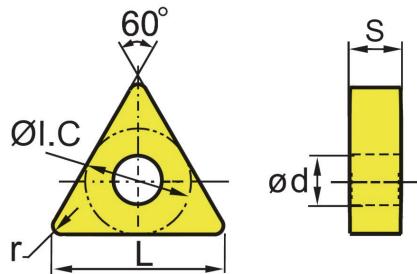
刀片外形 Blade Shape	型号Model	尺寸Size(mm)					牌号Grade				
		L	ØI.C	S	Ød	r	UTP015	UTP215	UTM615	UTK315	UTN001
	TNMG110404-HQ	11	6.35	4.76	2.26	0.4		●			
	TNMG110408-HQ	11	6.35	4.76	2.26	0.8		●			
	TNMG160404-CQ	16.5	9.525	4.76	3.81	0.4		●			
	TNMG160408-CQ	16.5	9.525	4.76	3.81	0.8		●			
	TNMG160412-CQ	16.5	9.525	4.76	3.81	1.2		●			
	TNMG160404-CQ	16.5	9.525	4.76	3.81	0.4	●				
	TNMG160408-CQ	16.5	9.525	4.76	3.81	0.8	●				
	TNMG160412-CQ	16.5	9.525	4.76	3.81	1.2	●				
	TNMG220408-CQ	22	12.7	4.76	5.16	0.8	●				
	TNMG220412-CQ	22	12.7	4.76	5.16	1.2	●				

INFORMATION PARAMETER



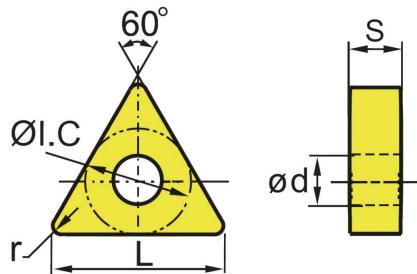
刀片外形 Blade Shape	型号Model	尺寸Size(mm)					牌号Grade				
		L	ΦI.C	S	Φd	r	UTP015	UTP215	UTM615	UTK315	UTN001
	TNMG160404-GS	16.5	9.525	4.76	3.81	0.4			●		
	TNMG160408-GS	16.5	9.525	4.76	3.81	0.8			●		
	TNMG160412-GS	16.5	9.525	4.76	3.81	1.2			●		
	TNMG160404-MA	16.5	9.525	4.76	3.81	0.4			●		
	TNMG160408-MA	16.5	9.525	4.76	3.81	0.8			●		
	TNMG160412-MA	16.5	9.525	4.76	3.81	1.2			●		
	TNMG160416-MA	16.5	9.525	4.76	3.81	1.6			●		
	TNMG220408-MA	22	12.7	4.76	5.16	0.8			●		
	TNMG220412-MA	22	12.7	4.76	5.16	1.2			●		
	TNMG220416-MA	22	12.7	4.76	5.16	1.6			●		

INFORMATION PARAMETER



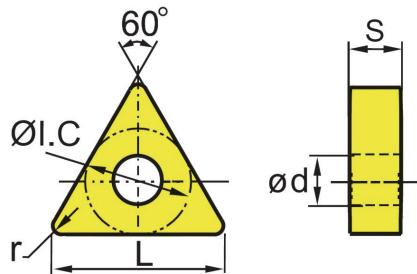
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		L	ΦI.C	S	Φd	r	UTP015	UTP215	UTM615	UTK315	UTN001
	TNMG270608-MA	27.5	15.9	6.35	6.35	0.8			●		
	TNMG270612-MA	27.5	15.9	6.35	6.35	1.2			●		
	TNMG160404-MS	16.5	9.525	4.76	3.81	0.4			●		
	TNMG160408-MS	16.5	9.525	4.76	3.81	0.8			●		
	TNMG160412-MS	16.5	9.525	4.76	3.81	1.2			●		
	TNMG220408-MS	22	12.7	4.76	5.16	0.8			●		
	TNMG220412-MS	22	12.7	4.76	5.16	1.2			●		
	TNMG160404-HA	16.5	9.525	4.76	3.81	0.4			●		
	TNMG160408-HA	16.5	9.525	4.76	3.81	0.8			●		
	TNMG160412-HA	16.5	9.525	4.76	3.81	1.2			●		

INFORMATION PARAMETER



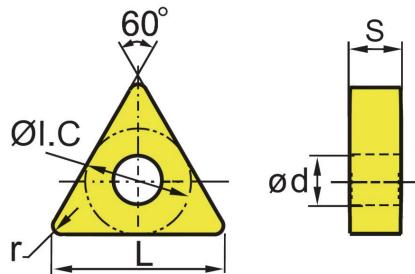
刀片外形 Blade Shape	型号Model	尺寸Size(mm)					牌号Grade				
		L	ΦI.C	S	Φd	r	UTP015	UTP215	UTM615	UTK315	UTN001
	TNMG160404-HS	16.5	9.525	4.76	3.81	0.4			●		
	TNMG160408-HS	16.5	9.525	4.76	3.81	0.8			●		
	TNMG160412-HS	16.5	9.525	4.76	3.81	1.2			●		
	TNMG220408-HS	22	12.7	4.76	5.16	0.8			●		
	TNMG220412-HS	22	12.7	4.76	5.16	1.2			●		
	TNMG160404-MQ	16.5	9.53	4.76	3.81	0.4			●		
	TNMG160408-MQ	16.5	9.53	4.76	3.81	0.8			●		
	TNMG160412-MQ	16.5	9.53	4.76	3.81	1.2			●		

INFORMATION PARAMETER



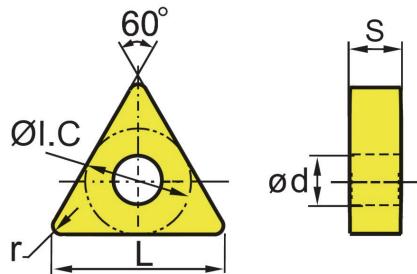
刀片外形 Blade Shape	型号Model	尺寸Size(mm)					牌号Grade				
		L	ØI.C	S	Ød	r	UTP015	UTP215	UTM615	UTK315	UTN001
	TNMG160404-JMS	16.5	9.525	4.76	3.81	0.4					
	TNMG160408-JMS	16.5	9.525	4.76	3.81	0.8					
	TNMG160412-JMS	16.5	9.525	4.76	3.81	1.2					
	TNMG160404R-S	16.5	12.7	4.76	3.81	0.4	●				
	TNMG160404L-S	16.5	12.7	4.76	3.81	0.4	●				
	TNMG160408R-S	16.5	9.53	4.76	3.81	0.8	●				
	TNMG160408L-S	16.5	9.53	4.76	3.81	0.8	●				
	TNMG220404R-S	22	9.53	4.76	5.16	0.4	●				
	TNMG220404L-S	22	9.53	4.76	5.16	0.4	●				

INFORMATION PARAMETER



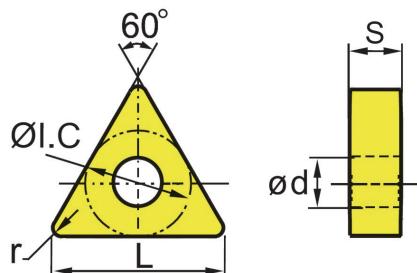
刀片外形 Blade Shape	型号Model	尺寸Size(mm)					牌号Grade				
		L	ΦI.C	S	Ød	r	UTP015	UTP215	UTM615	UTK315	UTN001
TNMG220408R-S	22	12.7	4.76	3.81	0.8	●					
	TNMG220408L-S	22	12.7	4.76	3.81	0.8	●				
TNMG160404R-S	16.5	9.525	4.76	3.81	0.4		●				
	TNMG160408R-S	16.5	9.525	4.76	3.81	0.8		●			
	TNMG160412R-S	16.5	9.525	4.76	3.81	1.2		●			
TNMG160404L-S	16.5	9.525	4.76	3.81	0.4		●				
	TNMG160408L-S	16.5	9.525	4.76	3.81	0.8		●			
	TNMG160412L-S	22	9.525	4.76	3.81	1.2		●			

INFORMATION PARAMETER



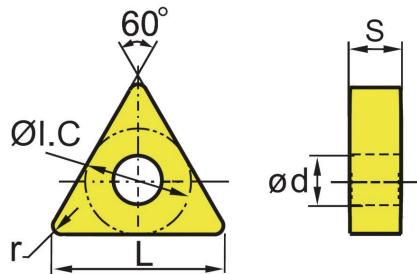
刀片外形 Blade Shape	型号Model	尺寸Size(mm)					牌号Grade				
		L	ØI.C	S	Ød	r	UTP015	UTP215	UTM615	UTK315	UTN001
	TNMG160404-PR	16.5	9.525	4.76	3.81	0.4	●				
	TNMG160408-PR	16.5	9.525	4.76	3.81	0.8	●				
	TNMG160412-PR	16.5	9.525	4.76	3.81	1.2	●				
	TNMG160404-PM	16.5	9.525	4.76	3.81	0.4	●				
	TNMG160408-PM	16.5	9.525	4.76	3.81	0.8	●				
	TNMG160412-PM	16.5	9.525	4.76	3.81	1.2	●				
	TNMG220408-PM	22	12.7	4.76	5.16	0.8	●				
	TNMG220412-PM	22	12.7	4.76	5.16	1.2	●				

INFORMATION PARAMETER



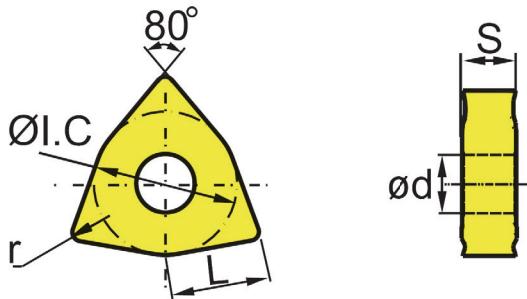
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		L	$\Phi I.C.$	S	Φd	r	UTP015	UTP215	UTM615	UTK315	UTN001
TNMG160408-PM	TNMG160408-PM	16.5	9.525	4.76	3.81	0.8		●			
	TNMG160412-PM	16.5	9.525	4.76	3.81	1.2		●			
TNMG220408-PM	TNMG220408-PM	22	12.7	4.76	5.16	0.8		●			
	TNMG220412-PM	22	12.7	4.76	5.16	1.2		●			
TNMG160404-MS	TNMG160404-MS	16.5	9.525	4.76	3.81	0.4					
	TNMG160408-MS	16.5	9.525	4.76	3.81	0.8					
	TNMG160412-MS	16.5	9.525	4.76	3.81	1.2					
	TNMG220408-MS	22	12.7	4.76	5.16	0.8					
	TNMG220412-MS	22	12.7	4.76	5.16	1.2					

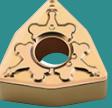
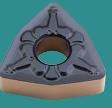
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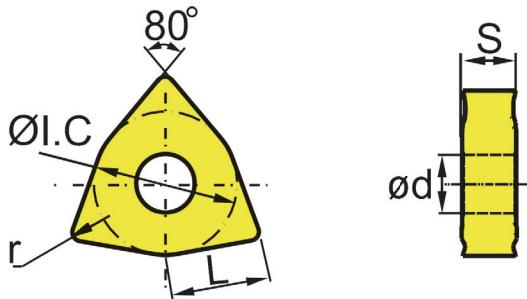
刀片外形 Blade Shape	型号Model	尺寸Size(mm)					牌号Grade				
		L	ΦI.C	S	Φd	r	UTP015	UTP215	UTM615	UTK315	UTN001
	TNMG160404	16.5	9.525	4.76	3.81	0.4		●			
	TNMG160408	16.5	9.525	4.76	3.81	0.8		●			
	TNMG160412	16.5	9.525	4.76	3.81	1.2		●			
	TNMG220408	22	12.7	4.76	5.16	0.8		●			
	TNMG220412	22	12.7	4.76	5.16	1.2					

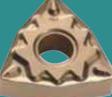
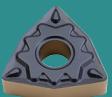
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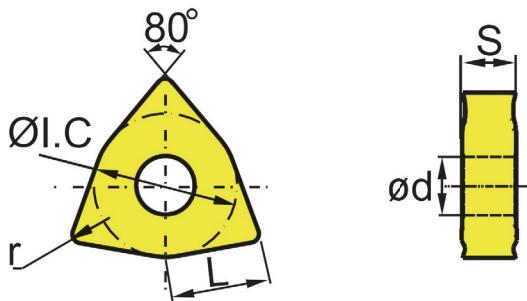
刀片外形 Blade Shape	型号Model	尺寸Size(mm)					牌号Grade				
		L	ΦI.C	S	Φd	r	UTP015	UTP215	UTM615	UTK315	UTN001
	WNMG060404-TM	6.5	9.525	4.76	3.81	0.4	●				
	WNMG060408-TM	6.5	9.525	4.76	3.81	0.8	●				
	WNMG080404-TM	8.7	12.7	4.76	5.16	0.4	●				
	WNMG080408-TM	8.7	12.7	4.76	5.16	0.8	●				
	WNMG080412-TM	8.7	12.7	4.76	5.16	1.2	●				
	WNMG080416-TM	8.7	12.7	4.76	5.16	1.6	●				
	WNMG080404-TM	8.7	12.7	4.76	5.16	0.4	●	●			
	WNMG080408-TM	8.7	12.7	4.76	5.16	0.8	●	●			
	WNMG080412-TM	8.7	12.7	4.76	5.16	1.2	●	●			

INFORMATION PARAMETER



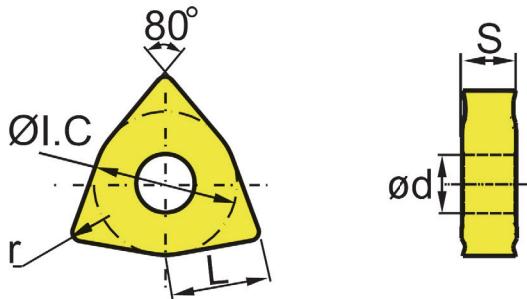
刀片外形 Blade Shape	型号Model	尺寸Size(mm)					牌号Grade				
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	WNMG06T304-HQ	6.5	9.525	3.97	3.81	0.4	●				
	WNMG06T308-HQ	6.5	9.525	3.97	3.81	0.8	●				
	WNMG060404-HQ	6.5	9.525	4.76	3.81	0.4	●				
	WNMG060408-HQ	6.5	9.525	4.76	3.81	0.8	●				
	WNMG080404-HQ	8.7	12.7	4.76	5.16	0.4	●				
	WNMG080408-HQ	8.7	12.7	4.76	5.16	0.8	●				
	WNMG080412-HQ	8.7	12.7	4.76	5.16	1.2	●				
	WNMG080404-HQ	8.7	12.7	4.76	5.16	0.4		●			
	WNMG080408-HQ	8.7	12.7	4.76	5.16	0.8		●			

INFORMATION PARAMETER



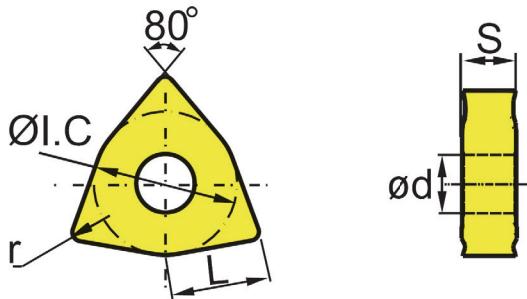
刀片外形 Blade Shape	型号Model	尺寸Size(mm)					牌号Grade				
		L	ΦI.C	S	Φd	r	UTP015	UTP215	UTM615	UTK315	UTN001
	WNMG080404-CQ	8.7	12.7	4.76	5.16	0.4	●				
	WNMG080408-CQ	8.7	12.7	4.76	5.16	0.8	●				
	WNMG080412-CQ	8.7	12.7	4.76	5.16	1.2	●				
	WNMG080404-CQ	8.7	12.7	4.76	5.16	0.4		●			
	WNMG080408-CQ	8.7	12.7	4.76	5.16	0.8		●			
	WNMG080412-CQ	8.7	12.7	4.76	5.16	1.2		●			
	WNMG080404-CM	8.7	12.7	4.76	5.16	0.4	●				
	WNMG080408-CM	8.7	12.7	4.76	5.16	0.8	●				
	WNMG080412-CM	8.7	12.7	4.76	5.16	1.2	●				

INFORMATION PARAMETER



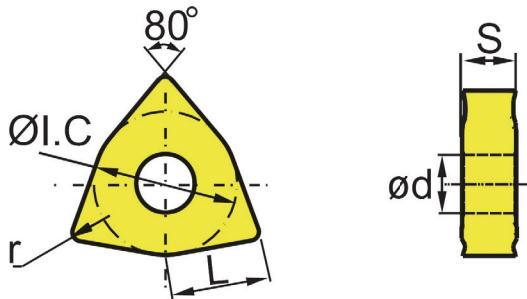
刀片外形 Blade Shape	型号Model	尺寸Size(mm)					牌号Grade				
		L	ΦI.C	S	Φd	r	UTP015	UTP215	UTM615	UTK315	UTN001
	WNMG080404-CM	8.7	12.7	4.76	5.16	0.4	●				
	WNMG080408-CM	8.7	12.7	4.76	5.16	0.8		●			
	WNMG080412-CM	8.7	12.7	4.76	5.16	1.2		●			
	WNMG080404L-S	8.7	12.7	4.76	5.16	0.4	●				
	WNMG080408L-S	8.7	12.7	4.76	5.16	0.8	●				
	WNMG080412L-S	8.7	12.7	4.76	5.16	1.2	●				
	WNMG080404R-S	8.7	12.7	4.76	5.16	0.4	●				
	WNMG080408R-S	8.7	12.7	4.76	5.16	0.8	●				
	WNMG080412R-S	8.7	12.7	4.76	5.16	1.2	●				

INFORMATION PARAMETER



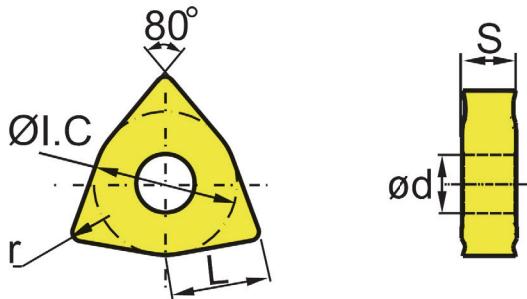
刀片外形 Blade Shape	型号Model	尺寸Size(mm)					牌号Grade				
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	WNMG060404L-S	8.7	12.7	4.76	5.16	0.4	●				
	WNMG060408L-S	8.7	12.7	4.76	5.16	0.8		●			
	WNMG060412L-S	8.7	12.7	4.76	5.16	1.2		●			
	WNMG080404R-S	8.7	12.7	4.76	5.16	0.4		●			
	WNMG080408R-S	8.7	12.7	4.76	5.16	0.8		●			
	WNMG080412R-S	8.7	12.7	4.76	5.16	1.2		●			
	WNMG080404-MQ	8.7	12.7	4.76	5.16	0.4			●		
	WNMG080408-MQ	8.7	12.7	4.76	5.16	0.8			●		
	WNMG080412-MQ	8.7	12.7	4.76	5.16	1.2			●		

INFORMATION PARAMETER



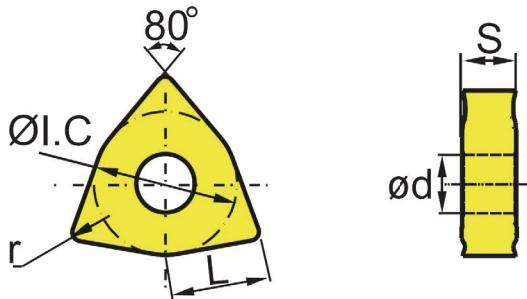
刀片外形 Blade Shape	型号Model	尺寸Size(mm)					牌号Grade				
		L	ΦI.C	S	Φd	r	UTP015	UTP215	UTM615	UTK315	UTN001
	WNMG060404-GS	6.5	9.525	4.76	3.81	0.4			●		
	WNMG060408-GS	6.5	9.525	4.76	3.81	0.8			●		
	WNMG060412-GS	6.5	9.525	4.76	3.81	1.2			●		
	WNMG080404-GS	8.7	12.7	4.76	5.16	0.4			●		
	WNMG080408-GS	8.7	12.7	4.76	5.16	0.8			●		
	WNMG080412-GS	8.7	12.7	4.76	5.16	1.2			●		
	WNMG060404-MA	6.5	9.525	4.76	3.81	0.4			●		
	WNMG060408-MA	6.5	9.525	4.76	3.81	0.8			●		
	WNMG060412-MA	6.5	9.525	4.76	3.81	1.2			●		

INFORMATION PARAMETER



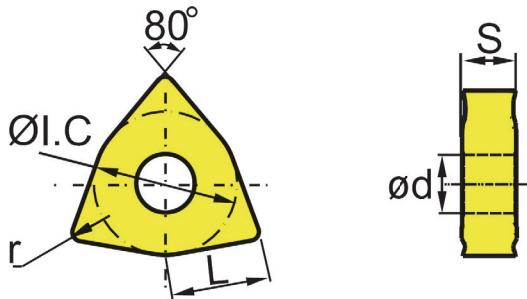
刀片外形 Blade Shape	型号Model	尺寸Size(mm)					牌号Grade				
		L	ΦI.C	S	Φd	r	UTP015	UTP215	UTM615	UTK315	UTN001
	WNMG080404-MA	8.7	12.7	4.76	5.16	0.4			●		
	WNMG080408-MA	8.7	12.7	4.76	5.16	0.8			●		
	WNMG080412-MA	8.7	12.7	4.76	5.16	1.2			●		
	WNMG080416-MA	8.7	12.7	4.76	5.16	1.6			●		
	WNMG100612-MA	8.7	12.7	4.76	5.16	1.6			●		
	WNMG060404-MS	6.5	9.525	4.76	3.81	0.4			●		
	WNMG060408-MS	6.5	9.525	4.76	3.81	0.8			●		
	WNMG080404-MS	8.7	12.7	4.76	5.16	0.4			●		
	WNMG080408-MS	8.7	12.7	4.76	5.16	0.8			●		
	WNMG080412-MS	8.7	12.7	4.76	5.16	1.2			●		

INFORMATION PARAMETER



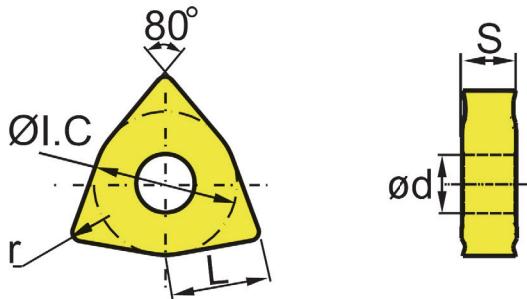
刀片外形 Blade Shape	型号Model	尺寸Size(mm)					牌号Grade				
		L	ΦI.C	S	Φd	r	UTP015	UTP215	UTM615	UTK315	UTN001
	WNMG060404-HA	6.5	9.525	4.76	3.81	0.4			●		
	WNMG060408-HA	6.5	9.525	4.76	3.81	0.8			●		
	WNMG080404-HA	8.7	12.7	4.76	5.16	0.4			●		
	WNMG080408-HA	8.7	12.7	4.76	5.16	0.8			●		
	WNMG080412-HA	8.7	12.7	4.76	5.16	1.2			●		
	WNMG080404-HS	8.7	12.7	4.76	5.16	0.4			●		
	WNMG080408-HS	8.7	12.7	4.76	5.16	0.8			●		
	WNMG080412-HS	8.7	12.7	4.76	5.16	1.2			●		

INFORMATION PARAMETER



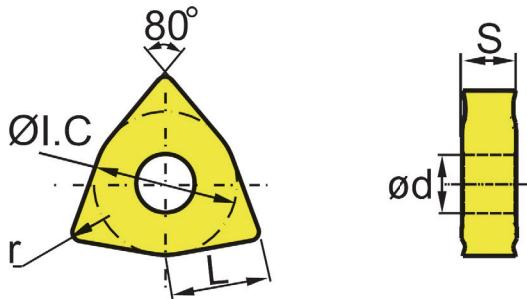
刀片外形 Blade Shape	型号Model	尺寸Size(mm)					牌号Grade				
		L	ΦI.C	S	Φd	r	UTP015	UTP215	UTM615	UTK315	UTN001
	WNMG080404-MT	8.7	12.7	4.76	5.16	0.4					
	WNMG080408-MT	8.7	12.7	4.76	5.16	0.8					
	WNMG080412-MT	8.7	12.7	4.76	5.16	1.2					
	WNMG080404-JMS	8.7	12.7	4.76	5.16	0.4					●
	WNMG080408-JMS	8.7	12.7	4.76	5.16	0.8					●
	WNMG080412-JMS	8.7	12.7	4.76	5.16	1.2					●
	WNMG080404-PM	8.7	12.7	4.76	5.16	0.4	●				
	WNMG080408-PM	8.7	12.7	4.76	5.16	0.8	●				
	WNMG080412-PM	8.7	12.7	4.76	4.76	1.2	●				

INFORMATION PARAMETER



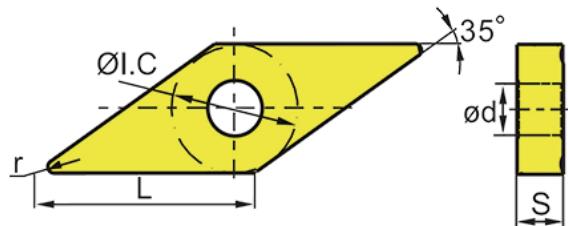
刀片外形 Blade Shape	型号Model	尺寸Size(mm)					牌号Grade				
		L	ΦI.C	S	Φd	r	UTP015	UTP215	UTM615	UTK315	UTN001
	WNMG080404-PR	8.7	12.7	4.76	5.16	0.4	●				
	WNMG080408-PR	8.7	12.7	4.76	5.16	0.8	●				
	WNMG080412-PR	8.7	12.7	4.76	5.16	1.2	●				
	WNMG080404-MS	8.7	12.7	4.76	5.16	0.4				●	
	WNMG080408-MS	8.7	12.7	4.76	5.16	0.8				●	
	WNMG080412-MS	8.7	12.7	4.76	5.16	1.2				●	
	WNMG080404	8.7	12.7	4.76	5.16	0.4				●	
	WNMG080408	8.7	12.7	4.76	5.16	0.8				●	
	WNMG080412	8.7	12.7	4.76	4.76	1.2				●	

INFORMATION PARAMETER



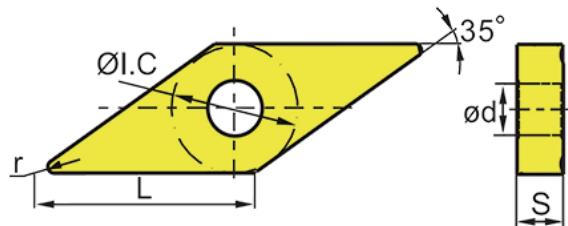
刀片外形 Blade Shape	型号Model	尺寸Size(mm)					牌号Grade				
		L	ΦI.C	S	Φd	r	UTP015	UTP215	UTM615	UTK315	UTN001
	WNMG080408-PM	8.7	12.7	4.76	5.16	0.8	●				
	WNMG080412-PM	8.7	12.7	4.76	5.16	1.2		●			
	WNMG080408-PR	8.7	12.7	4.76	5.16	0.8		●			
	WNMG080412-PR	8.7	12.7	4.76	5.16	1.2		●			
	WNMG080408-ZM	8.7	12.7	4.76	5.16	0.8		●			
	WNMG080412-ZM	8.7	12.7	4.76	5.16	1.2		●			

INFORMATION PARAMETER



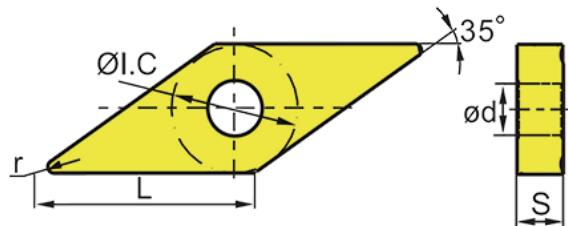
刀片外形 Blade Shape	型号Model	尺寸Size(mm)					牌号Grade				
		L	Φ.I.C	S	Φd	r	UTP015	UTP215	UTM615	UTK315	UTN001
	VNMG160404-TM	16.6	9.525	4.76	3.81	0.4	●				
	VNMG160408-TM	16.6	9.525	4.76	3.81	0.8	●				
	VNMG160412-TM	16.6	9.525	4.76	3.81	1.2	●				
	VNMG160404-TM	16.6	9.525	4.76	3.81	0.4		●			
	VNMG160408-TM	16.6	9.525	4.76	3.81	0.8		●			
	VNMG160412-TM	16.6	9.525	4.76	3.81	1.2		●			
	VNMG160404-HQ	16.6	9.525	4.76	3.81	0.4	●				
	VNMG160408-HQ	16.6	9.525	4.76	3.81	0.8	●				
	VNMG160412-HQ	16.6	9.525	4.76	3.81	1.2	●				

INFORMATION PARAMETER



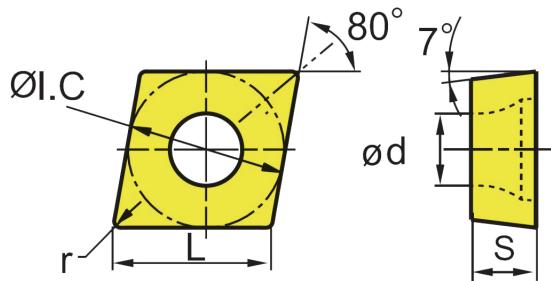
刀片外形 Blade Shape	型号Model	尺寸Size(mm)					牌号Grade				
		L	$\Phi I.C$	S	Φd	r	UTP015	UTP215	UTM615	UTK315	UTN001
	VNMG160404-MA	16.6	9.525	4.76	3.81	0.4			●		
	VNMG160408-MA	16.6	9.525	4.76	3.81	0.8			●		
	VNMG160404-MS	16.6	9.525	4.76	3.81	0.4			●		
	VNMG160408-MS	16.6	9.525	4.76	3.81	0.8			●		
	VNMG160412-MS	16.6	9.525	4.76	3.81	1.2			●		
	VNMG160404-HS	16.6	9.525	4.76	3.81	0.4			●		
	VNMG160408-HS	16.6	9.525	4.76	3.81	0.8			●		

INFORMATION PARAMETER



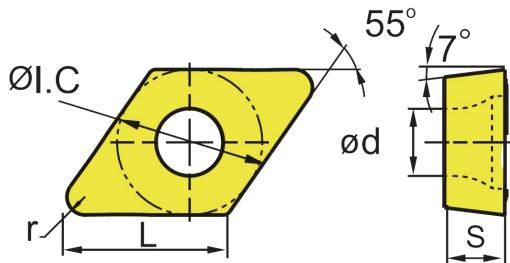
刀片外形 Blade Shape	型号Model	尺寸Size(mm)					牌号Grade				
		L	$\Phi I.C$	S	Φd	r	UTP015	UTP215	UTM615	UTK315	UTN001
	VNMG160404-PM	16.6	9.525	4.76	3.81	0.4	●				
	VNMG160408-PM	16.6	9.525	4.76	3.81	0.8	●				
	VNMG160404-MS	16.6	9.525	4.76	3.81	0.4			●		
	VNMG160408-MS	16.6	9.525	4.76	3.81	0.8			●		
	VNMG160404	16.6	9.525	4.76	3.81	0.4			●		
	VNMG160408	16.6	9.525	4.76	3.81	0.8			●		

INFORMATION PARAMETER



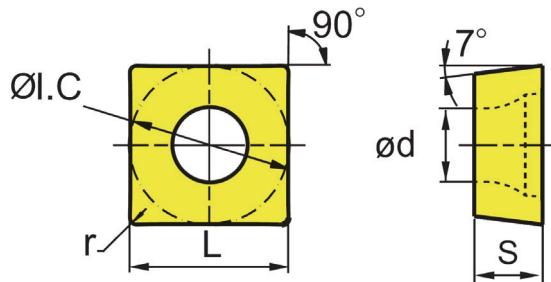
刀片外形 Blade Shape	型号Model	尺寸Size(mm)					牌号Grade			
		L	$\Phi I.C$	S	Φd	r	UTP015	UTP215	UTM615	UTK315
	CCMT060202	6.4	6.35	2.38	2.8	0.2			●	
	CCMT060204	6.4	6.35	2.38	2.8	0.4			●	
	CCMT060208	6.4	6.35	2.38	2.8	0.8			●	
	CCMT09T302	9.7	9.525	3.97	4.4	0.2			●	
	CCMT09T304	9.7	9.525	3.97	4.4	0.4			●	
	CCMT09T308	9.7	9.525	3.97	4.4	0.8			●	
	CCMT120404	12.9	12.7	4.76	5.56	0.4			●	
	CCMT120408	12.9	12.7	4.76	5.56	0.8			●	
	CCMT120412	12.9	12.7	4.76	5.56	1.2			●	

INFORMATION PARAMETER



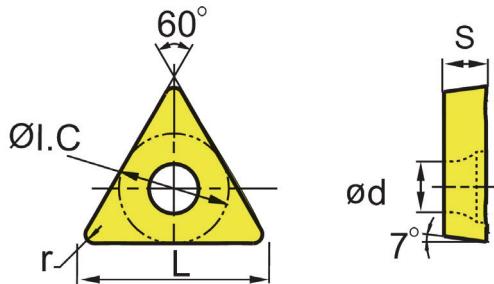
刀片外形 Blade Shape	型号Model	尺寸Size(mm)					牌号Grade			
		L	ΦI.C	S	Φd	r	UTP015	UTP215	UTM615	UTK315
	DCMT070202-HMP	7.8	6.35	2.38	2.8	0.2			●	
	DCMT070204-HMP	7.8	6.35	2.38	2.8	0.4			●	
	DCMT070208-HMP	7.8	6.35	2.38	2.8	0.8			●	
	DCMT11T302-HMP	11.6	9.525	3.97	4.4	0.2			●	
	DCMT11T304-HMP	11.6	9.525	3.97	4.4	0.4			●	
	DCMT11T308-HMP	11.6	9.525	3.97	4.4	0.8			●	
	DCMT11T312-HMP	11.6	9.525	3.97	4.4	1.2			●	

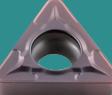
INFORMATION PARAMETER



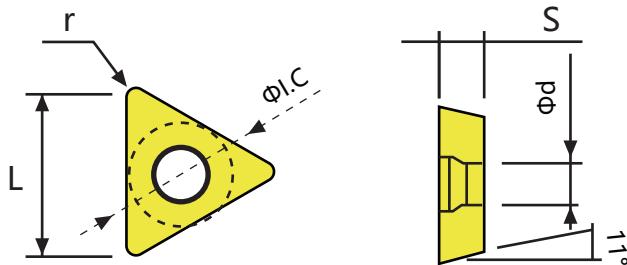
刀片外形 Blade Shape	型号Model	尺寸Size(mm)					牌号Grade			
		L	ΦI.C	S	Φd	r	UTP015	UTP215	UTM615	UTK315
	SCMT09T304-HMP	7.8	6.35	2.38	2.8	0.2			●	
	SCMT09T308-HMP	7.8	6.35	2.38	2.8	0.4			●	
	SCMT120404-HMP	7.8	6.35	2.38	2.8	0.8			●	
	SCMT120408-HMP	11.6	9.525	3.97	4.4	0.2			●	

INFORMATION PARAMETER



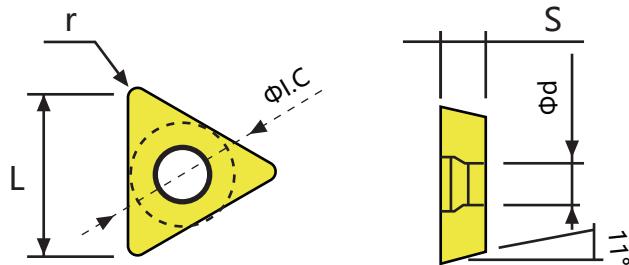
刀片外形 Blade Shape	型号Model	尺寸Size(mm)					牌号Grade				
		L	ΦI.C	S	Φd	r	UTP015	UTP215	UTM615	UTK315	UTN001
	TCMT090204	9.6	5.56	2.38	2.5	0.4			●		
	TCMT090208	9.6	5.56	2.38	2.5	0.8			●		
	TCMT110202	11	6.35	2.38	2.8	0.2			●		
	TCMT110204	11	6.35	2.38	2.8	0.4			●		
	TCMT110208	11	6.35	2.38	2.8	0.8			●		
	TCMT16T302	16.5	9.525	3.97	4.4	0.2			●		
	TCMT16T304	16.5	9.525	3.97	4.4	0.4			●		
	TCMT16T308	16.5	9.525	3.97	4.4	0.8			●		

INFORMATION PARAMETER



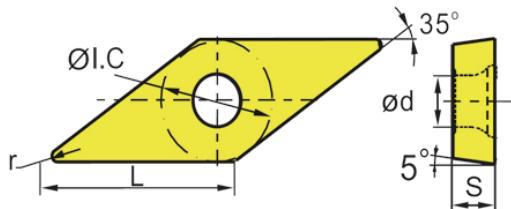
刀片外形 Blade Shape	型号Model	尺寸Size(mm)					牌号Grade				
		L	ΦI.C	S	Φd	r	UTP015	UTP215	UTM615	UTK315	UTN001
	TPMT080202L	4.97	2.38	2.5	0.2		●		●		
	TPMT080202R	4.97	2.38	2.5	0.2		●		●		
	TPMT080204L	4.97	2.38	2.5	0.4		●		●		
	TPMT080204R	4.97	2.38	2.5	0.4		●		●		
	TPMT090202L	5.56	2.38	2.6	0.2		●		●		
	TPMT090202R	5.56	2.38	2.6	0.2		●		●		
	TPMT090204L	5.56	2.38	2.6	0.4		●		●		
	TPMT090204R	5.56	2.38	2.6	0.4		●		●		
	TPMT110202L	6.35	2.38	2.8	0.2		●		●		

INFORMATION PARAMETER



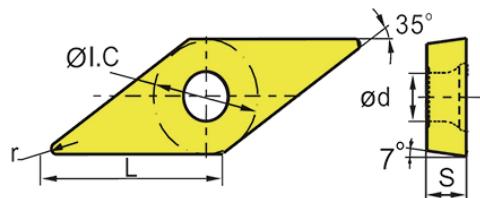
刀片外形 Blade Shape	型号Model	尺寸Size(mm)					牌号Grade				
		L	Φ.i.C	S	Φd	r	UTP015	UTP215	UTM615	UTK315	UTN001
	TPMT110202R	6.35	2.38	2.8	0.2		●		●		
	TPMT110204L	6.35	2.38	2.8	0.4		●		●		
	TPMT110204R	6.35	2.38	2.8	0.4		●		●		
	TPMT110302L	6.35	3.18	3.4	0.2		●		●		
	TPMT110302R	6.35	3.18	3.4	0.2		●		●		
	TPMT110304L	6.35	3.18	3.4	0.4		●		●		
	TPMT160304R	9.525	3.97	4.4	0.4		●		●		
	TPMT160308L	9.525	3.97	4.4	0.8		●		●		
	TPMT160308R	9.525	3.97	4.4	0.8		●		●		

INFORMATION PARAMETER



刀片外形 Blade Shape	型号Model	尺寸Size(mm)					牌号Grade				
		L	ΦI.C	S	Φd	r	UTP015	UTP215	UTM615	UTK315	UTN001
	VBMT110302-MV	11	6.35	3.18	2.8	0.2			●		
	VBMT110304-MV	11	6.35	3.18	2.8	0.4			●		
	VBMT110308-MV	11	6.35	3.18	2.8	0.8			●		
	VBMT160404-MV	16.5	9.525	4.97	4.4	0.4			●		
	VBMT160408-MV	16.5	9.525	4.97	4.4	0.8			●		

INFORMATION PARAMETER



刀片外形 Blade Shape	型号Model	尺寸Size(mm)					牌号Grade				
		L	ΦI.C	S	Φd	r	UTP015	UTP215	UTM615	UTK315	UTN001
	VCMT110302-MV	11	6.35	3.18	2.8	0.2			●		
	VCMT110304-MV	11	6.35	3.18	2.8	0.4			●		
	VCMT160404-MV	16	9.525	4.97	4.4	0.4			●		
	VCMT160408-MV	16	9.525	4.97	4.4	0.8			●		



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