



Example 范例

内切圆 Inscribed circle diameter

代號(英制) Code(inch)	2	3	4	5	6	8
内切圆直径(mm) Inscribed circle diameter	6.35	9.525	12.7	15.875	19.05	25.4

厚度 Thickness

代號(英制) Code(inch)	2	3	4	5	6
厚度(mm) Thickness	3.18	4.76	6.35	7.94	9.52

刀尖圆弧半径 Nose radius

代號(英制) Code(inch)	0	1	2	3	4	5	6
刀尖圆弧半径(mm) Nose radius	0.2	0.4	0.8	1.2	1.6	2.0	2.4

4 3 2 (inch)

TNMG220408-DM (ISO)

刀片形状 Insert shape

主切削刃后角
Major cutting edge clearance angle

公差 Tolerances

断屑槽及夹固形式
Chipbreaker and /or fixing type

断屑槽型代号 Chipbreakers code

刀尖圆弧半径 Nose radius

厚度 Insert thickness

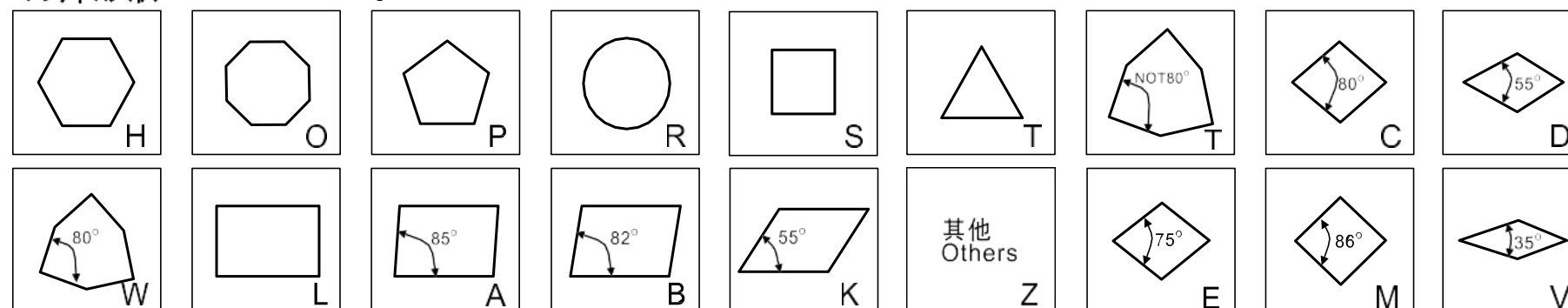
切削刃长度 Cutting edge length



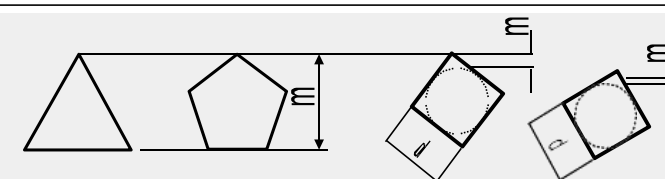
Turning Insert 车削刀片



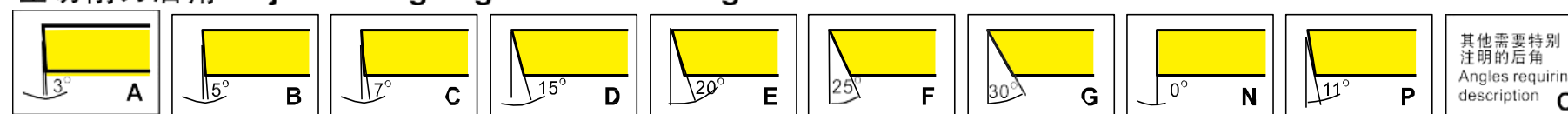
刀片形狀 Insert shape



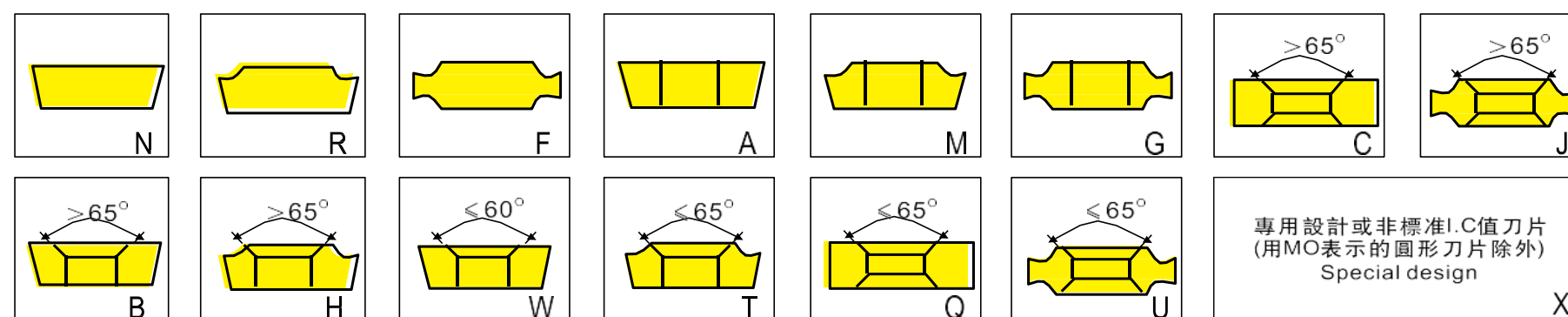
d. 内切圆直径 D. Theoretical diameter of inscribed circle
s. 刀片厚度 s. Insert thickness
M. 見圖例 m. See Fig.



主切削刃后角 Major cutting edge Clearance angle



断屑槽及夹固形式代号 Chipbreaker and/or fixing type



厚度 Insert Thickness

單位: mm					
	00s=0.79	02s=2.38	04s=4.76	06s=6.35	T9s= 9.72
	T0s=0.99	T2s=2.58	T4s=4.96	T6s=6.75	11s=11.11
	01s=1.59	03s=3.18	05s=5.56	07s=7.94	12s=12.70
	T1s=1.98	T3s=3.97	T5s=5.95	09s=9.52	



Turning Insert 车削刀片



公差 Tolerances,mm

代号Code	m	s	d
A	± 0.005	± 0.025	± 0.025
F	± 0.005	± 0.025	± 0.13
C	± 0.013	± 0.025	± 0.025
H	± 0.013	± 0.025	± 0.13
E	± 0.025	± 0.025	± 0.025
G	± 0.025	± 0.13	± 0.025
J	± 0.005	± 0.025	± 0.05 ± 0.13
K	± 0.013	± 0.025	± 0.05 ± 0.13
L	± 0.025	± 0.025	± 0.05 ± 0.13
M	± 0.08 ± 0.18	± 0.13	± 0.05 ± 0.13
N	± 0.08 ± 0.18	± 0.025	± 0.05 ± 0.13
U	± 0.08 ± 0.18	± 0.13	± 0.08 ± 0.25

切削刃长度(mm) Inserts thickness(mm)

ic mm	ic inch	C	D	R	S	T	V	W	K
3.97	5.32"					06			
5.0				05					
5.56	7/32"					09			
6.0				06					
6.35	1/4"	06	07			11	11		
8.0				08					
9.525	3/8"	09	11	09	09	16	16	06	16*)
10.0				10					
12.0				12					
12.7	1/2"	12	15	12	12	22	22	08	
15.875	5/8"	16		15	15	27			
16.0			19	16					
19.05	3/4"	19		19	19	33			
20.0				20					
25.0	1"	25	25	25					
25.4				25	25				
31.75				31					
32				32					

刀尖圆弧半径 Nose radius, r mm

圓 弧 r	Radius
	00
	02-0.2
	04-0.4
	08-0.8
	12-1.2
	16-1.6
	20-2.0
	24-2.4
	32-3.2
	X-其他

Mo—公制圓形刀片

斷屑槽型代號 Chipbreakers code

表示刀片加工切削特點和斷屑槽型
Position 10 indicates the cutting properties & chipbreakers of inserts

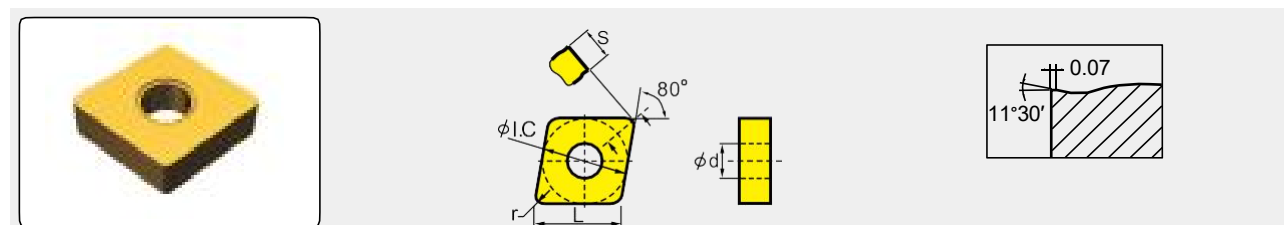
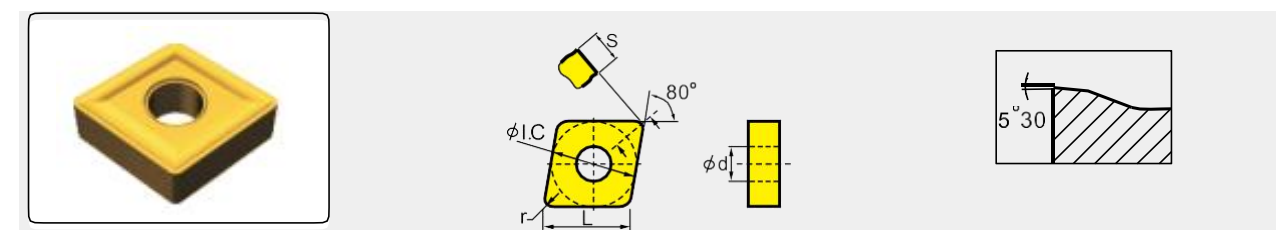
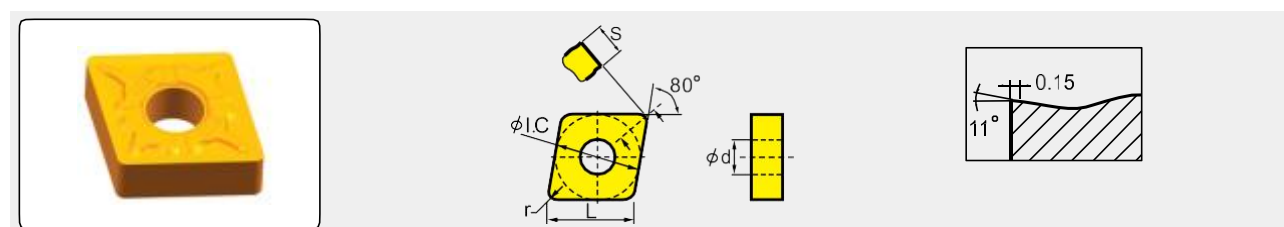
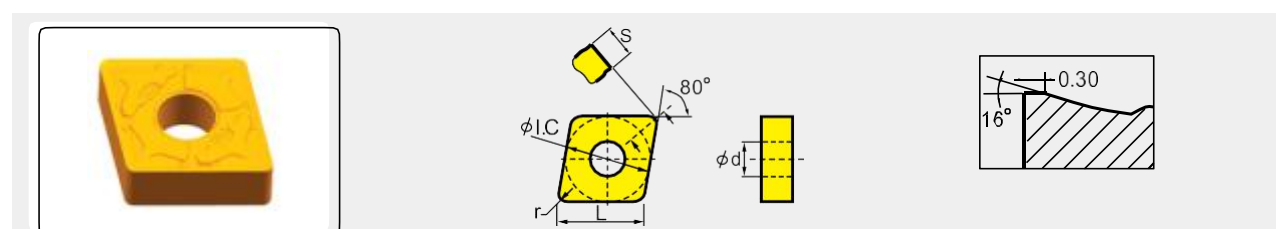
(参考) M级精度详细情况 (按形状、大小分) ● 刀尖高度公差(mm)
M grade tolerance detail(accodrding to shape,size).

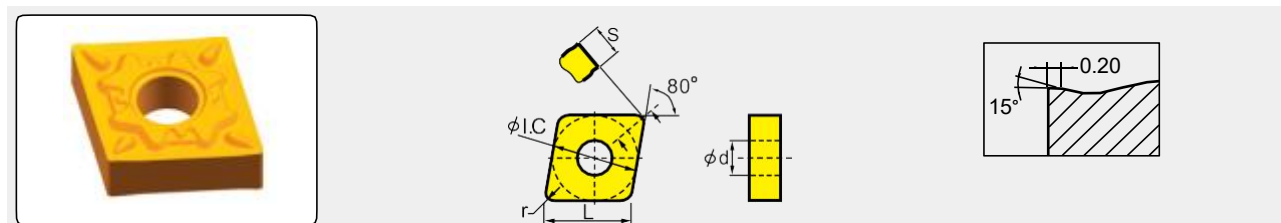
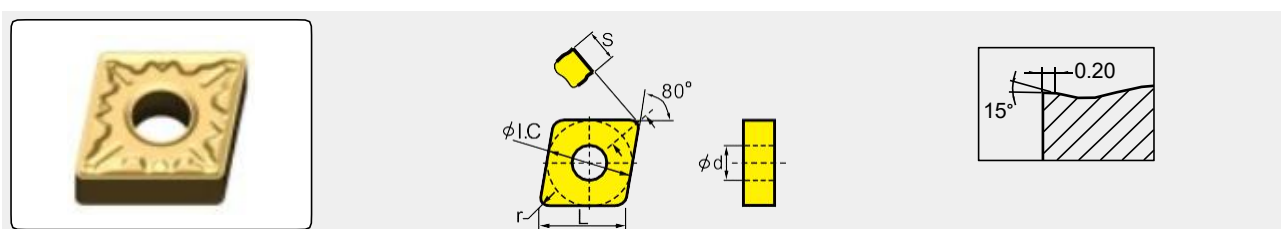
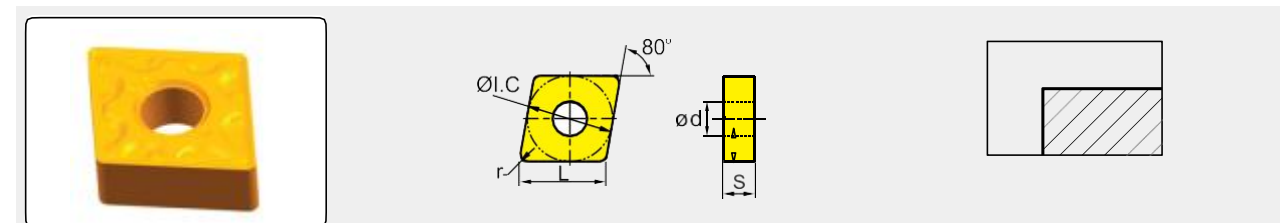
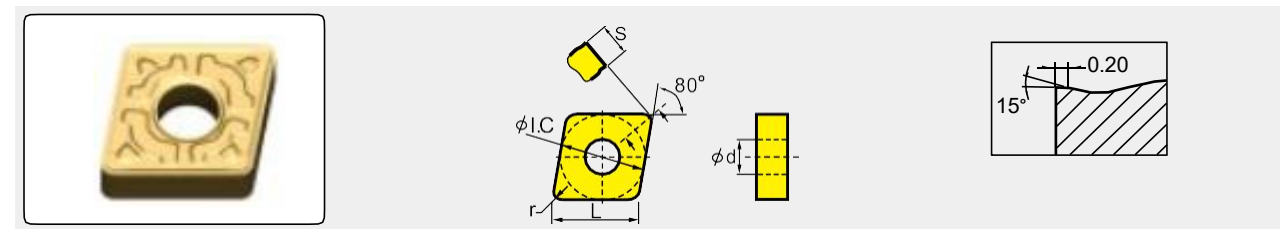
Tolerance of inerts nose height

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
6.35	± 0.08	± 0.08	± 0.08	± 0.11	± 0.16
9.525	± 0.08	± 0.08	± 0.08	± 0.11	± 0.16
12.7	± 0.13	± 0.13	± 0.13	± 0.15	...
15.875	± 0.15	± 0.15	± 0.15	± 0.18	...
19.05	± 0.15	± 0.15	± 0.15	± 0.18	...
25.4	...	± 0.18	...	...	...

● 内接圆φI.C公差(mm) ● Tolerance of Inscribed

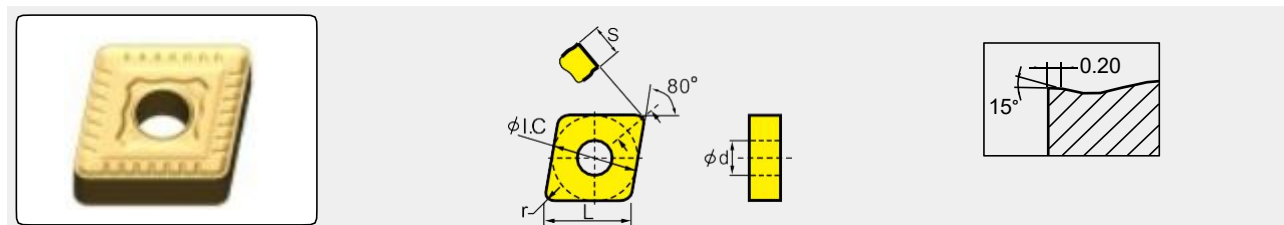
内接圆 Inscribed Circle	正三角形 Regular Triangle	正方形 Square	80° 菱形 80° Rhombus	55° 菱形 55° Rhombus	35° 菱形 35° Rhombus	圓形 Round
6.35	± 0.05	± 0.05	± 0.05	± 0.05	± 0.05	± 0.05
9.525	± 0.05	± 0.05	± 0.05	± 0.05	± 0.05	± 0.05
12.7	± 0.08	± 0.08	± 0.08	± 0.08	...	± 0.08
15.875	± 0.1	± 0.1	± 0.1	± 0.1	...	± 0.1
19.05	± 0.1	± 0.1	± 0.1	± 0.1	...	± 0.1
25.4	...	...	± 0.13	...	...	± 0.13

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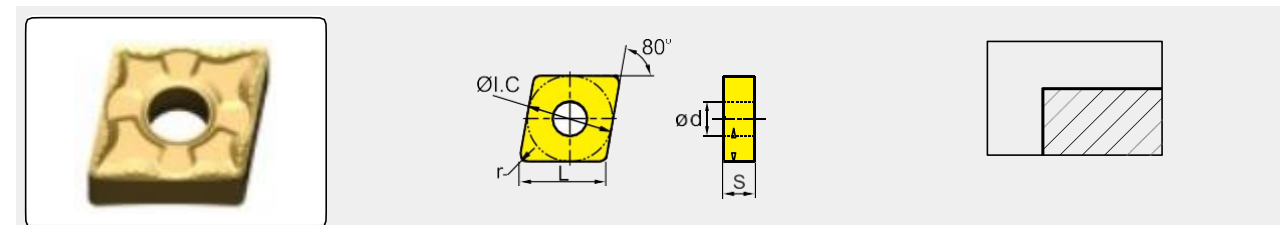
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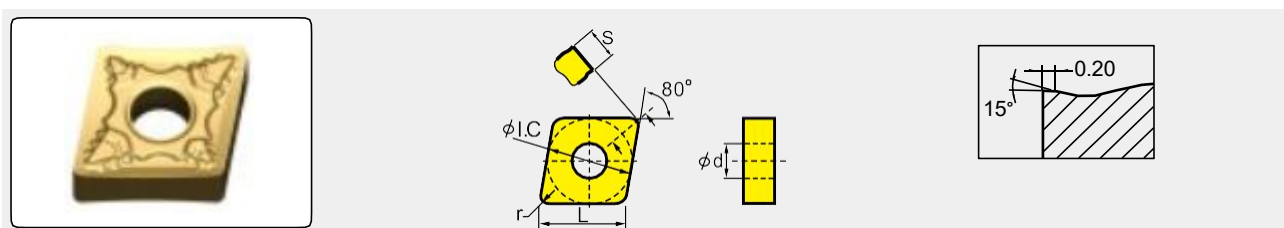
Turning Insert 车削刀片



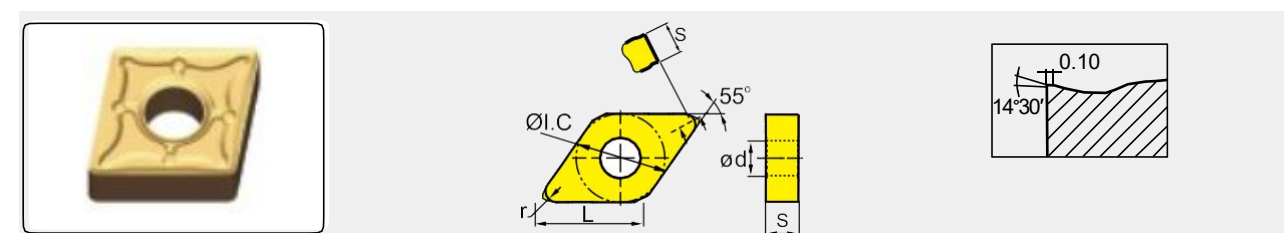
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CNMM	250724-HAR	25.79	25.4	7.94	9.12	2.4		○	○	●												
	250732-HAR	25.79	25.4	7.94	9.12	3.2		○	○	●												
	250924-HAR	25.79	25.4	9.525	9.12	2.4		○	○	●												
	250932-HAR	25.79	25.4	9.525	9.12	2.4		○	○	●												



	Type 型号	Dimension(mm) 基本尺寸					Coated Grade 涂层牌号										Uncoated Grade 非涂层牌号					
		L	ΦI.C	S	Φd	r	JT5215	JT5225	JT5325	JT5335	JT4215	JA2125	JA2325	JA2328	JA2025	JA2005	JH3525		JTN30	JP141		
CNMG	090304-WMF	9.7	9.525	3.18	3.81	0.4							●	○	●		○					
	090308-WMF	9.7	9.525	3.18	3.81	0.8							●	○	●		○					
	120404-WMF	12.9	12.7	4.76	5.16	0.4							●	○	●		○					
	120408-WMF	12.9	12.7	4.76	5.16	0.8							●	○	●		○					
	120412-WMF	12.9	12.7	4.76	5.16	1.2							●	○	●		○					



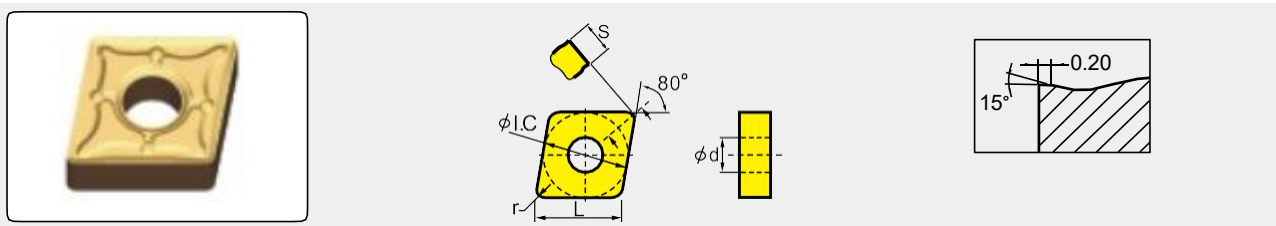
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CNMG	120404-WMM	12.9	12.7	4.76	5.16	0.4							●	○	●		○					
	120408-WMM	12.9	12.7	4.76	5.16	0.8							●	○	●		○					
	120412-WMM	12.9	12.7	4.76	5.16	1.2							●	○	●		○					
	160608-WMM	16.1	15.875	6.35	6.35	0.8							●	○	●		○					
	160612-WMM	16.1	15.875	6.35	6.35	1.2							●	○	●		○					
	160616-WMM	16.1	15.875	6.35	6.35	1.6							●	○	●		○					



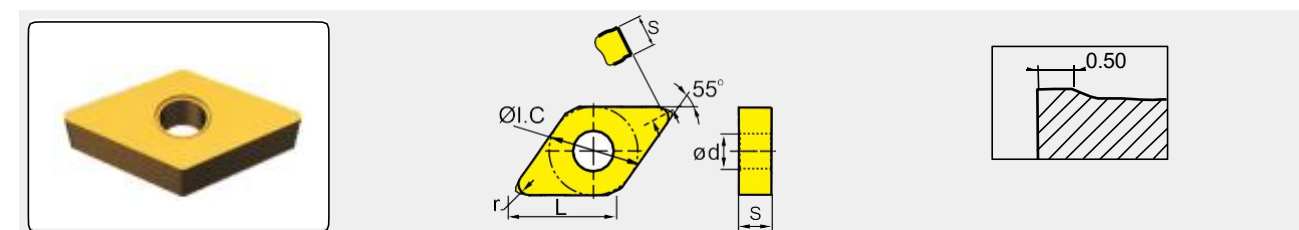
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CNMG	120404-BR	12.9	12.7	4.76	5.16	0.4							●	○	●		○					
	120408-BR	12.9	12.7	4.76	5.16	0.8							●	○	●		○					
	120412-BR	12.9	12.7	4.76	5.16	1.2							●	○	●		○					
	160608-BR	16.1	15.875	6.35	6.35	0.8							●	○	●		○					
	160612-BR	16.1	15.875	6.35	6.35	1.2							●	○	●		○					
	160616-BR	16.1	15.875	6.35	6.35	1.6							●	○	●		○					



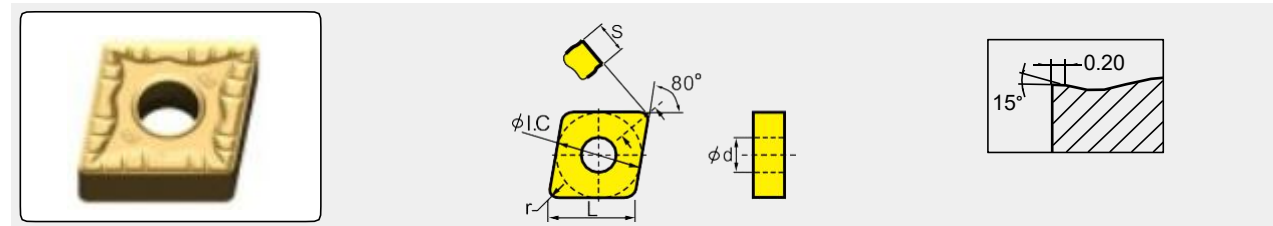
Turning Insert 车削刀片



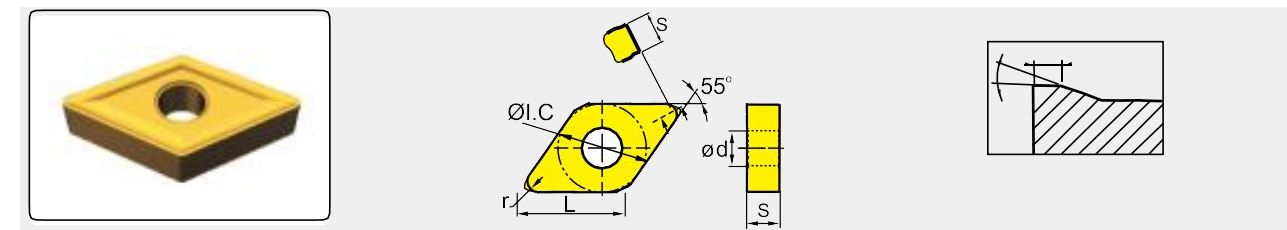
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CNMG	120404-BR	12.9	12.7	4.76	5.16	0.4							●	○	●		○					
	120408-BR	12.9	12.7	4.76	5.16	0.8							●	○	●		○					
	120412-BR	12.9	12.7	4.76	5.16	1.2							●	○	●		○					
	160608-BR	16.1	15.875	6.35	6.35	0.8							●	○	●		○					
	160612-BR	16.1	15.875	6.35	6.35	1.2							●	○	●		○					
	160616-BR	16.1	15.875	6.35	6.35	1.6							●	○	●		○					



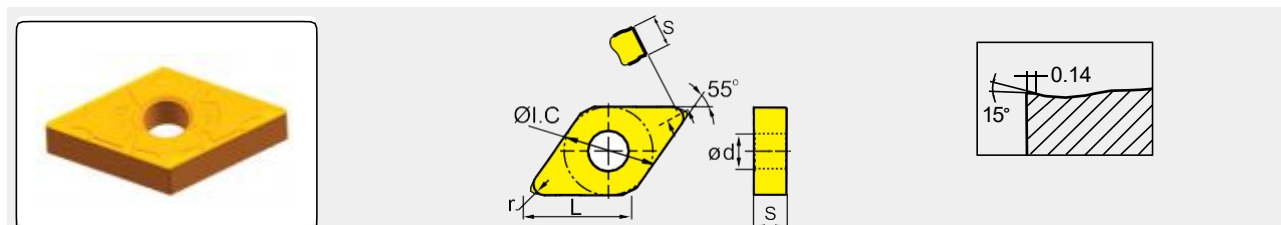
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DNMA	150404	15.5	12.7	4.76	5.16	0.4					●												
	150408	15.5	12.7	4.76	5.16	0.8					●												
	150604	15.5	12.7	6.35	5.16	0.4					●												
	150608	15.5	12.7	6.35	5.16	0.8					●												



	Type 型号	Dimension(mm) 基本尺寸					Coated Grade 涂层牌号										Uncoated Grade 非涂层牌号							
		L	ΦI.C	S	Φd	r	JT5215	JT5225	JT5325	JT5335	JT4215	JA2125	JA2325	JA2328	JA2025	JA2005	JH3525		JTN30	JP141				
DNMG	120404-DM	12.9	12.7	4.76	5.16	0.4							●	○	●		○							
	120408-DM	12.9	12.7	4.76	5.16	0.8							●	○	●		○							
	120412-DM	12.9	12.7	4.76	5.16	1.2							●	○	●		○							
	120416-DM	12.9	12.7	4.76	5.16	1.6							●	○	●		○							



	Type 型号	Dimension(mm) 基本尺寸					Coated Grade 涂层牌号												Uncoated Grade 非涂层牌号			
		L	ΦI.C	S	Φd	r	JT5215	JT5225	JT5325	JT5335	JT4215	JA2125	JA2325	JA2328	JA2025	JA2005	JH3525		JTN30	JP141		
DNMG	150404-KN6	15.5	12.7	4.76	5.16	0.4					●											
	150408-KN6	15.5	12.7	4.76	5.16	0.8					●											
	150604-KN6	15.5	12.7	6.35	5.16	0.4					●											
	150608-KN6	15.5	12.7	6.35	5.16	0.8					●											



Technical drawing of a mechanical part. The isometric view shows a yellow rectangular block with a central circular hole. The front view shows a yellow rectangular block with a central circular hole of diameter $\phi 1. C$ and a thickness of s . The top view shows a yellow rectangular block with a central circular hole of diameter ϕd and a thickness of s . The top view also shows a chamfered corner with a radius r_f and a length L . A detail view of the chamfered corner shows a 55° angle and a thickness s . A section view shows the internal structure of the part, with a hatched area indicating the material.

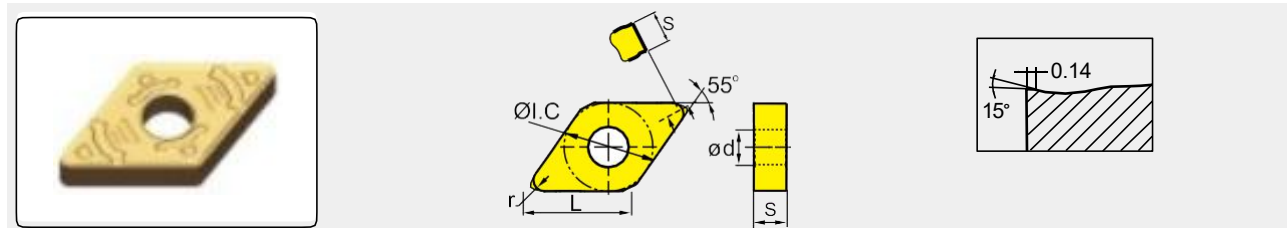
The technical drawing consists of three views of a mechanical part:

- 3D Model:** A yellow rectangular block with a circular hole in the center.
- Isometric View:** A yellow rectangular block with a circular hole in the center. Dimensions include:
 - $\varnothing I.C$ (Internal Circle)
 - r_f (fillet radius)
 - L (length)
 - $\varnothing d$ (diameter of the hole)
 - S (thickness)
 - 55° (angle of the chamfer)
- Cross-section:** A cross-section of the part showing a fillet with a radius of 0.50 .

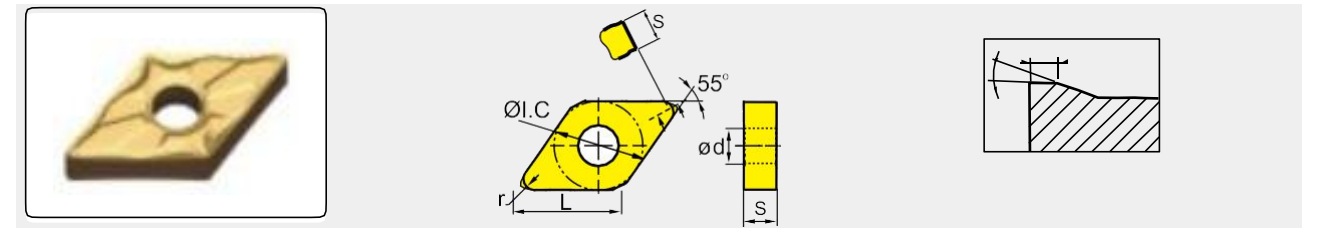
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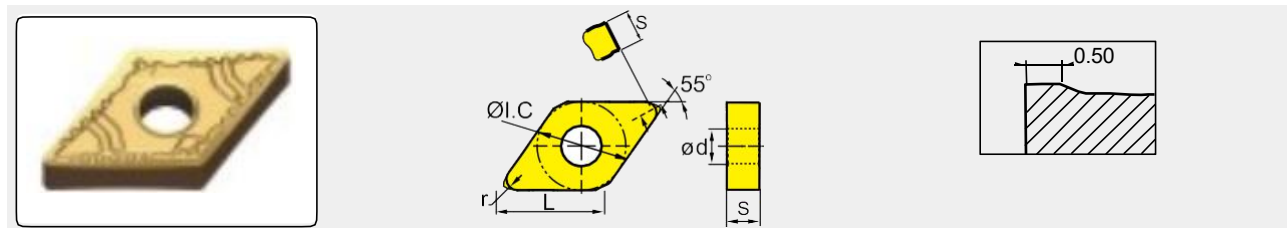
Turning Insert 车削刀片



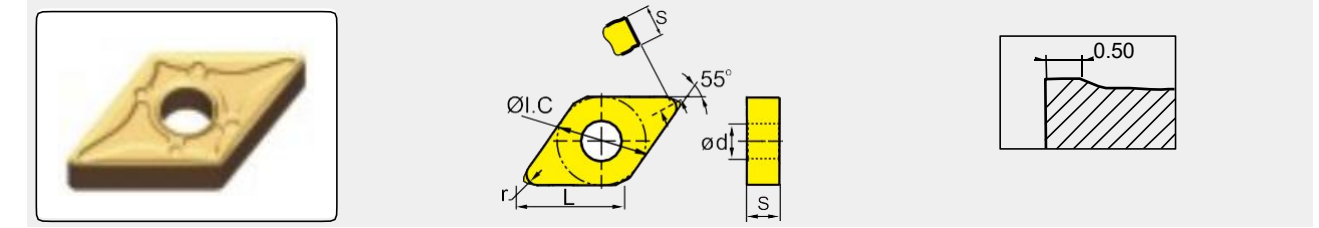
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	150412-AR	15.5	12.7	4.76	5.16	1.2		○	○	●													
	150608-AR	15.5	12.7	6.35	5.16	0.8		○	○	●													
	150612-AR	15.5	12.7	6.35	5.16	1.2		○	○	●													



	Type 型号	Dimension(mm) 基本尺寸					Coated Grade 涂层牌号										Uncoated Grade 非涂层牌号					
		L	ΦI.C	S	Φd	r	JT5215	JT5225	JT5325	JT5335	JT4215	JA2125	JA2325	JA2328	JA2025	JA2005	JH3525		JTN30	JP141		
DNMG	150404-WMF	15.5	12.7	4.76	5.16	0.4							●	○	●		○					
	150408-WMF	15.5	12.7	4.76	5.16	0.8							●	○	●		○					
	150412-WMF	15.5	12.7	4.76	5.16	1.2							●	○	●		○					
	150604-WMF	15.5	12.7	6.35	5.16	0.4							●	○	●		○					
	150608-WMF	15.5	12.7	6.35	5.16	0.8							●	○	●		○					
	150612-WMF	15.5	12.7	6.35	5.16	1.2							●	○	●		○					



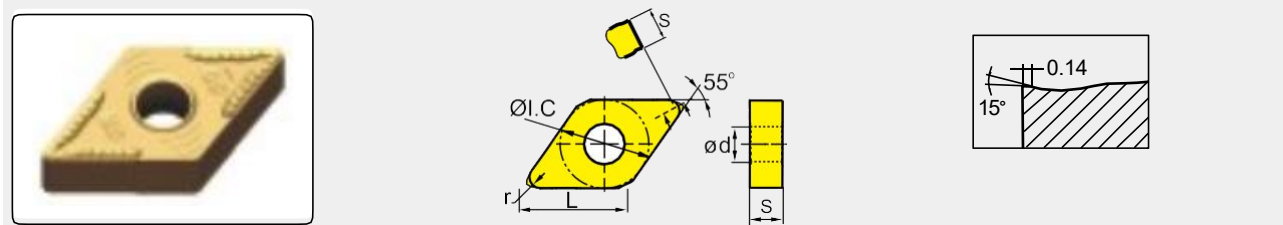
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DNMG	150404-WMM	15.5	12.7	4.76	5.16	0.4							●	○	●		○					
	150408-WMM	15.5	12.7	4.76	5.16	0.8							●	○	●		○					
	150412-WMM	15.5	12.7	4.76	5.16	1.2							●	○	●		○					
	150604-WMM	15.5	12.7	6.35	5.16	0.4							●	○	●		○					
	150608-WMM	15.5	12.7	6.35	5.16	0.8							●	○	●		○					
	150612-WMM	15.5	12.7	6.35	5.16	1.2							●	○	●		○					



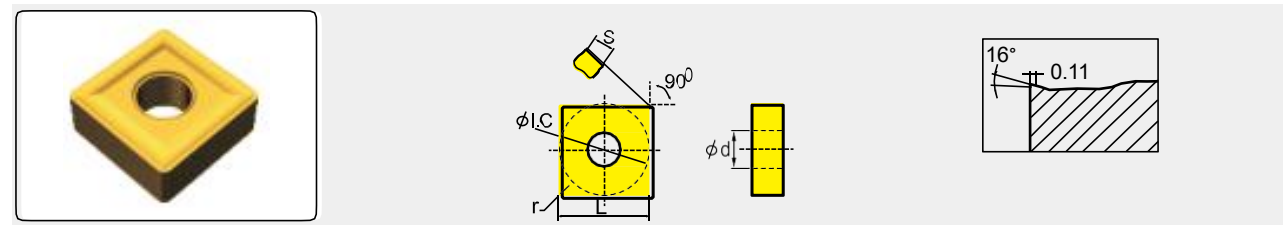
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DNMG	150404-BR	15.5	12.7	4.76	5.16	0.4							●	○	●		○					
	150408-BR	15.5	12.7	4.76	5.16	0.8							●	○	●		○					
	150412-BR	15.5	12.7	4.76	5.16	1.2							●	○	●		○					
	150604-BR	15.5	12.7	6.35	5.16	0.4							●	○	●		○					
	150608-BR	15.5	12.7	6.35	5.16	0.8							●	○	●		○					
	150612-BR	15.5	12.7	6.35	5.16	1.2							●	○	●		○					



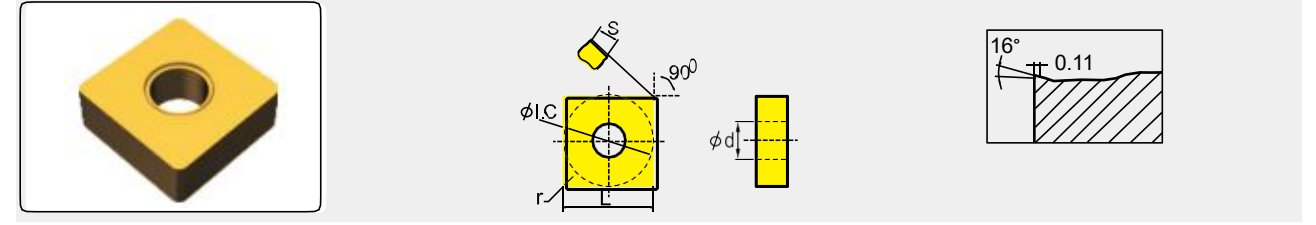
Turning Insert 车削刀片



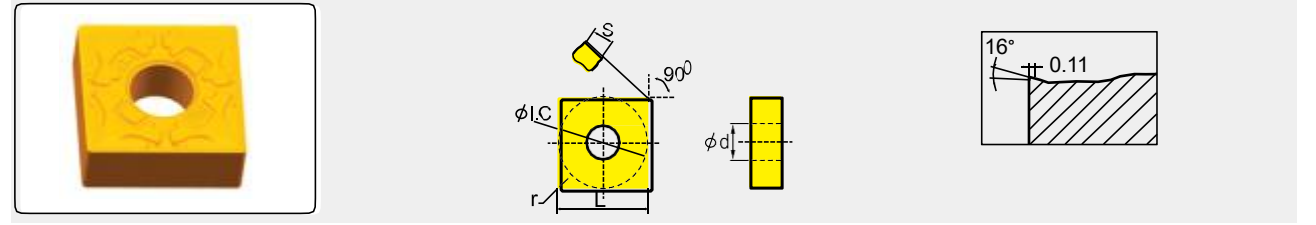
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		L	ΦI.C	S	Φd	r	JT5215	JT5225	JT5325	JT5335	JT4215	JA2125	JA2325	JA2328	JA2025	JA2005	JH3525	JTN30	JP141	
DNMG	150404-WMF	15.5	12.7	4.76	5.16	0.4							•	•	•	•				
	150408-WMF	15.5	12.7	4.76	5.16	0.8							•	•	•	•				
	150412-WMF	15.5	12.7	4.76	5.16	1.2							•	•	•	•				
	150604-WMF	15.5	12.7	6.35	5.16	0.4							•	•	•	•				
	150608-WMF	15.5	12.7	6.35	5.16	0.8							•	•	•	•				
	150612-WMF	15.5	12.7	6.35	5.16	1.2							•	•	•	•				



	Type 型号	Dimension(mm) 基本尺寸						Coated Grade 涂层牌号										Uncoated Grade 非涂层牌号		
		L	ΦI.C	S	Φd	r	JT5215	JT5225	JT5325	JT5335	JT4215	JA2125	JA2325	JA2328	JA2025	JA2005	JH3525	JTN30	JP141	
SNMG	120404-KN6	12.7	12.7	4.76	5.16	0.4					•									
	120408-KN6	12.7	12.7	4.76	5.16	0.8					•									
	150608-KN6	15.875	15.875	6.35	5.16	0.8					•									
	150612-KN6	15.875	15.875	6.35	5.16	1.2					•									



	Type 型号	Dimension(mm) 基本尺寸						Coated Grade 涂层牌号										Uncoated Grade 非涂层牌号		
		L	ΦI.C	S	Φd	r	JT5215	JT5225	JT5325	JT5335	JT4215	JA2125	JA2325	JA2328	JA2025	JA2005	JH3525	JTN30	JP141	
SNMA	120404	12.7	12.7	4.76	5.16	0.4					•									
	120408	12.7	12.7	4.76	5.16	0.8					•									
	150608	15.875	15.875	6.35	5.16	0.8					•									
	150612	15.875	15.875	6.35	5.16	1.2					•									



	Type 型号	Dimension(mm) 基本尺寸						Coated Grade 涂层牌号										Uncoated Grade 非涂层牌号		
		L	ΦI.C	S	Φd	r	JT5215	JT5225	JT5325	JT5335	JT4215	JA2125	JA2325	JA2328	JA2025	JA2005	JH3525	JTN30	JP141	
SNMG	120404-SM4	12.7	12.7	4.76	5.16	0.4					•	•								
	120408-SM4	12.7	12.7	4.76	5.16	0.8					•	•								
	150608-SM4	15.875	15.875	6.35	5.16	0.8					•	•								
	150612-SM4	15.875	15.875	6.35	5.16	1.2					•	•								

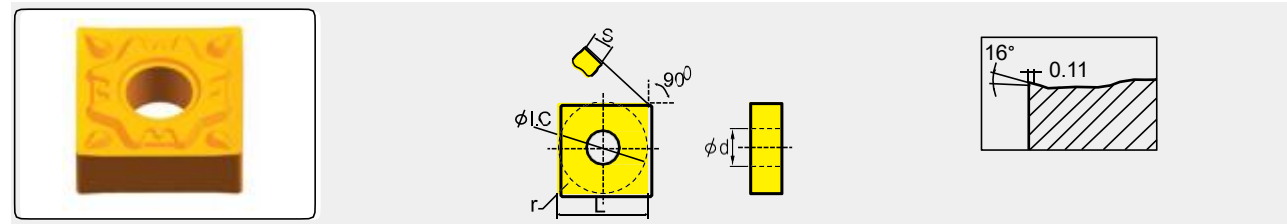
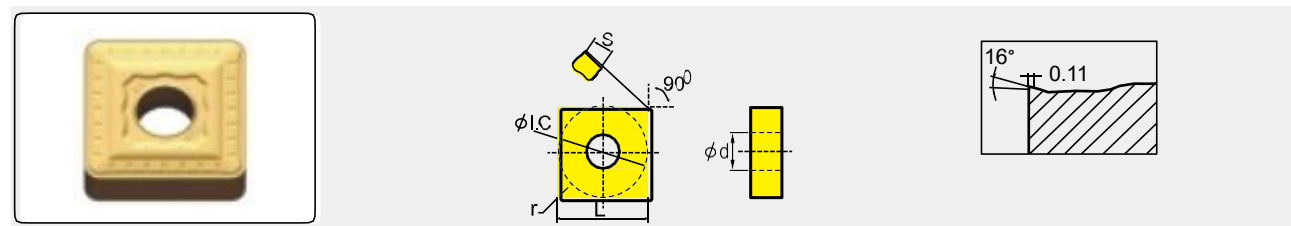


Figure 1 shows a 3D model of a square block with a central hole. The top view indicates a square base with side length L , a central hole with diameter $\phi 1, C$, and a fillet radius r . A detail view shows a cross-section of the block with a 16° angle and a dimension of 0.11 . The side view shows a rectangular block with a diameter ϕd .

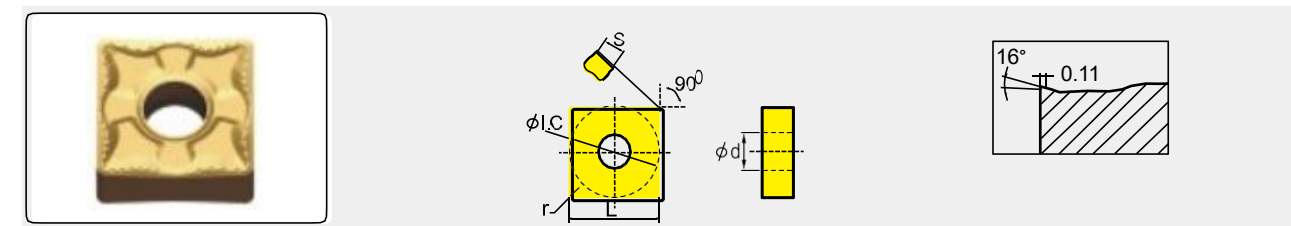
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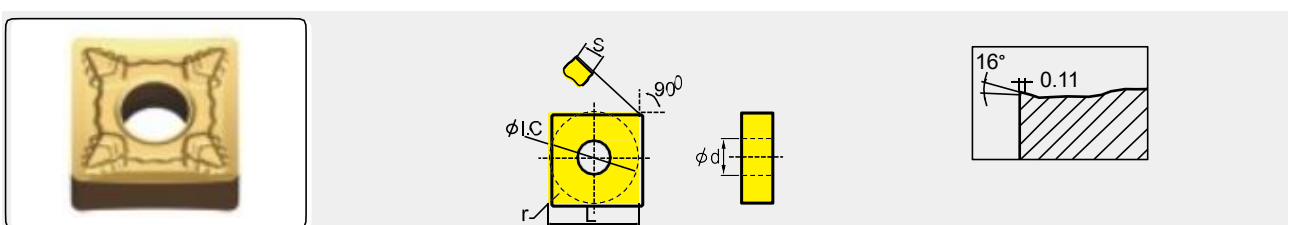
Turning Insert 车削刀片



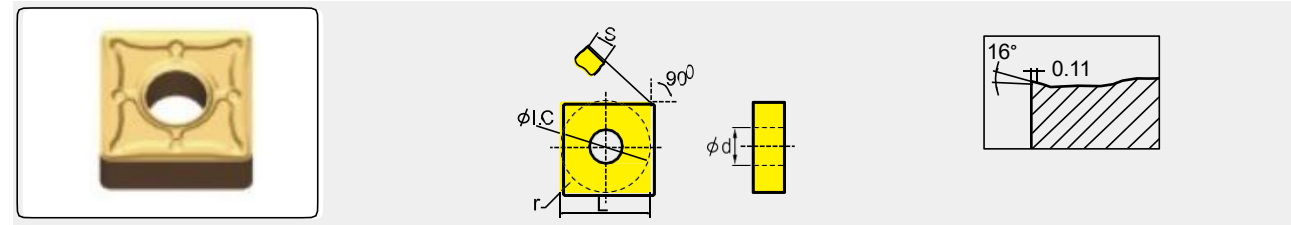
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SNMM	25072-HAR	25.4	25.4	7.94	9.12	2.4		○	○	●										
	250732-HAR	25.4	25.4	7.94	9.12	3.2		○	○	●										
	250924-HAR	25.4	25.4	7.94	9.12	2.4		○	○	●										
	250932-HAR	25.4	25.4	7.94	9.12	3.2		○	○	●										



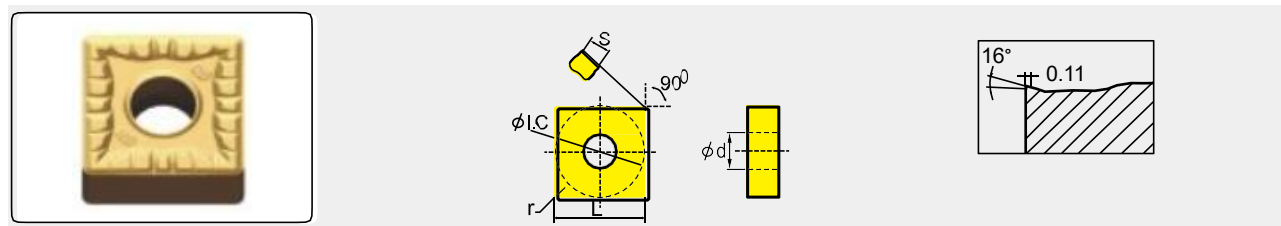
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SNMG	120404-WMF	12.7	12.7	4.76	5.16	0.4							●	○	●		○			
	120408-WMF	12.7	12.7	4.76	5.16	0.8							●	○	●		○			
	120412-WMF	12.7	12.7	4.76	5.16	1.2							●	○	●		○			
													●	○	●		○			



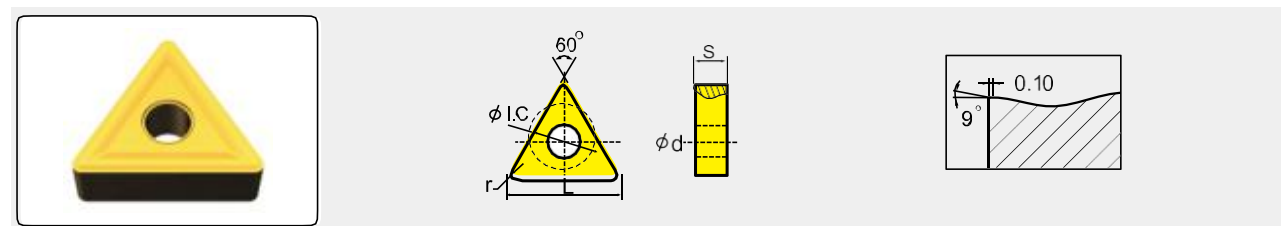
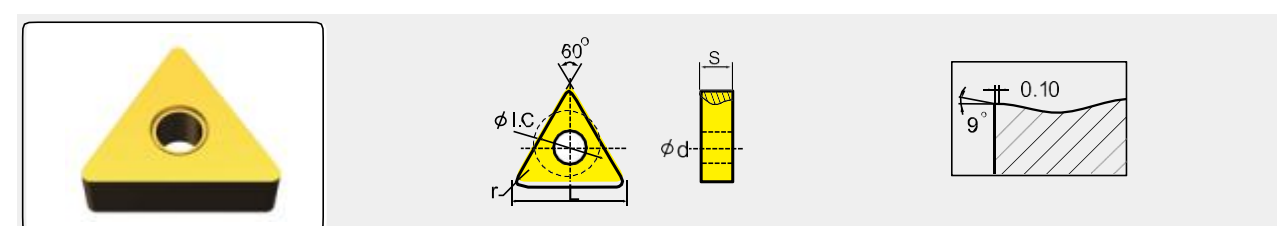
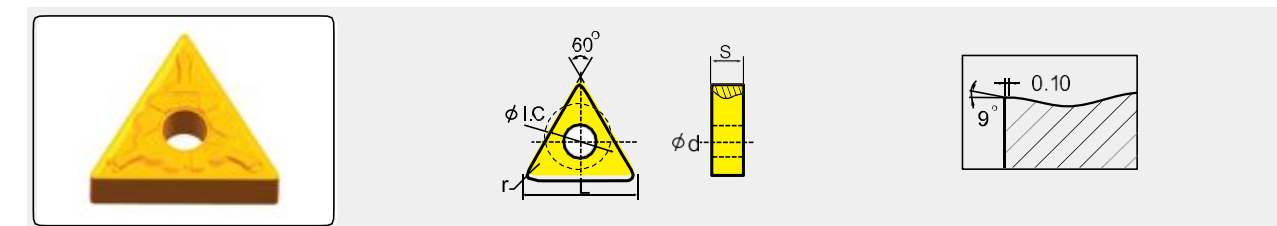
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SNMG	120404-WMM	12.7	12.7	4.76	5.16	0.4							●	○	●		○			
	120408-WMM	12.7	12.7	4.76	5.16	0.8							●	○	●		○			
	120412-WMM	12.7	12.7	4.76	5.16	1.6							●	○	●		○			
	150608-WMM	15.875	15.875	6.35	5.16	0.8							●	○	●		○			
	150612-WMM	15.875	15.875	6.35	5.16	1.2							●	○	●		○			

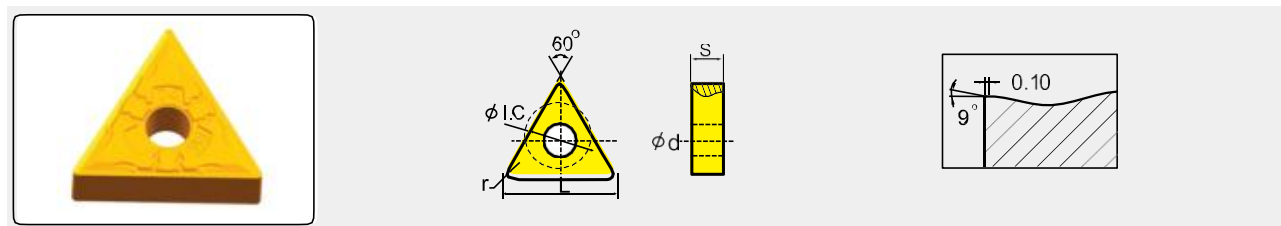


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SNMG	120404-BR	12.7	12.7	4.76	5.16	0.4							●	○	●		○			
	120408-BR	12.7	12.7	4.76	5.16	0.8							●	○	●		○			
	120412-BR	12.7	12.7	4.76	5.16	1.6							●	○	●		○			
	150608-BR	15.875	15.875	6.35	5.16	0.8							●	○	●		○			
	150612-BR	15.875	15.875	6.35	5.16	1.2							●	○	●		○			



	Type 型号	Dimension(mm) 基本尺寸					Coated Grade 涂层牌号											Uncoated Grade 非涂层牌号					
		L	ΦI.C	S	Φd	r	JT5215	JT5225	JT5325	JT5335	JT4215	JA2125	JA2325	JA2328	JA2025	JA2005	JH3525		JTN30	JP141			
SNMG	120404-DM	12.7	12.7	4.76	5.16	0.4							○	○	○		●						
	120408-DM	12.7	12.7	4.76	5.16	0.8							○	○	○		●						
	120412-DM	12.7	12.7	4.76	5.16	1.6							○	○	○		●						
	150608-DM	15.875	15.875	6.35	5.16	0.8							○	○	○		●						
	150612-DM	15.875	15.875	6.35	5.16	1.2							○	○	○		●						

[illegible][illegible][illegible]



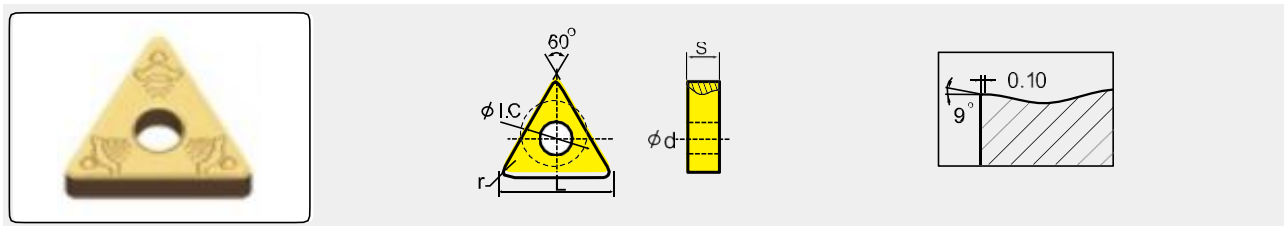
The technical drawing shows a triangular cutting tool in three views:

- Isometric View:** A 3D perspective of the tool, showing its triangular shape, a central circular hole, and a flat base.
- Top View:** A 2D projection of the tool from above. It is an equilateral triangle with a 60° angle at the top vertex. A central circular hole has a diameter labeled ϕ I.C. The base has a radius r .
- Side View:** A 2D projection of the tool from the side. It shows the thickness S and the diameter of the central hole ϕd .

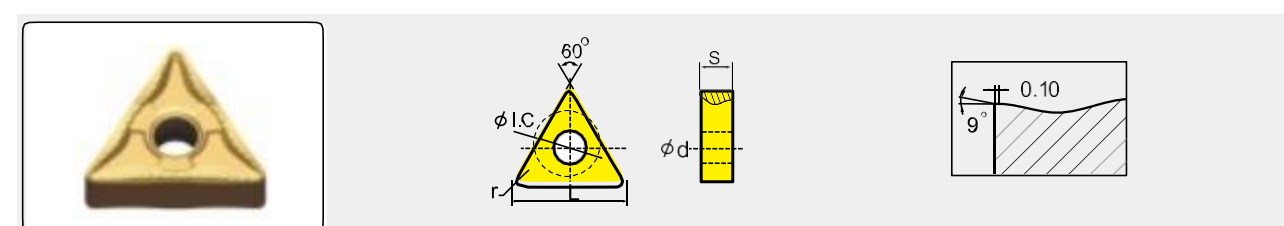
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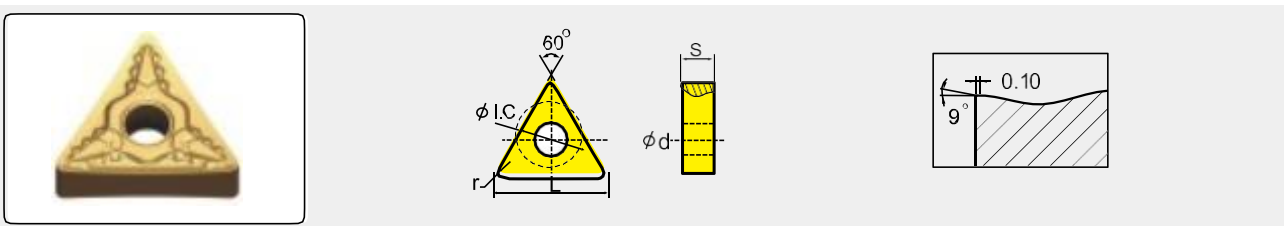
Turning Insert 车削刀片



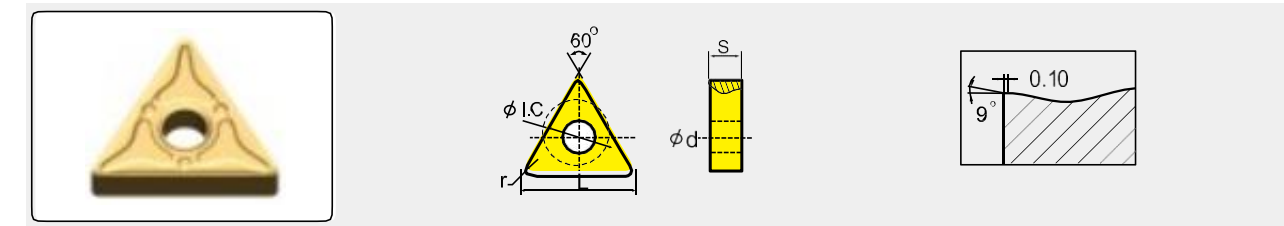
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TNMG	160408-AR	16.5	9.525	4.76	3.81	0.8		○	○	●										
	220408-AR	22	12.7	4.76	5.16	0.8		○	○	●										
	220412-AR	22	12.7	4.76	5.16	1.2		○	○	●										



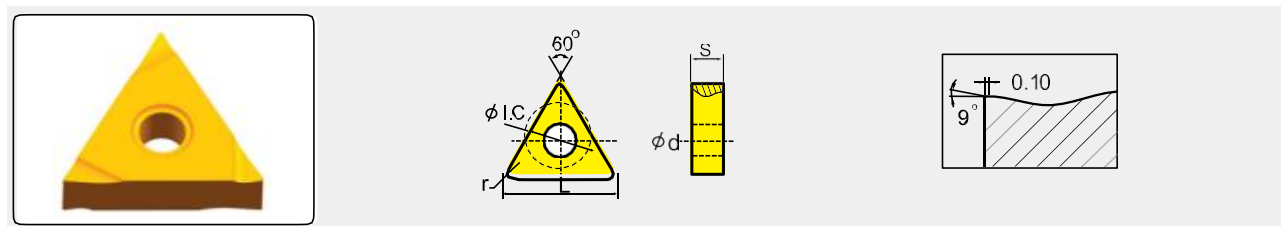
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TNMG	160404-WMF	16.5	9.525	4.76	3.81	0.4							●	○	●		○			
	160408-WMF	16.5	9.525	4.76	3.81	0.8							●	○	●		○			
	160412-WMF	16.5	9.525	4.76	3.81	1.2							●	○	●		○			



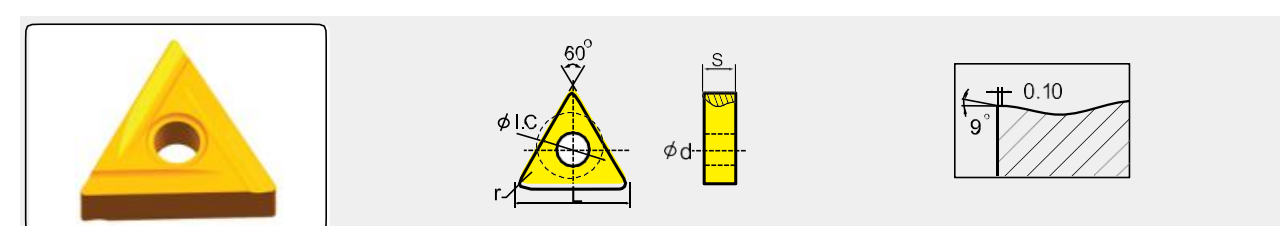
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TNMG	160404-WMM	16.5	9.525	4.76	3.81	0.4							●	○	●		○			
	160408-WMM	16.5	9.525	4.76	3.81	0.8							●	○	●		○			
	160412-WMM	16.5	9.525	4.76	3.81	1.2							●	○	●		○			
	220408-WMM	22	12.7	4.76	5.16	0.8							●	○	●		○			
	220412-WMM	22	12.7	4.76	5.16	1.2							●	○	●		○			



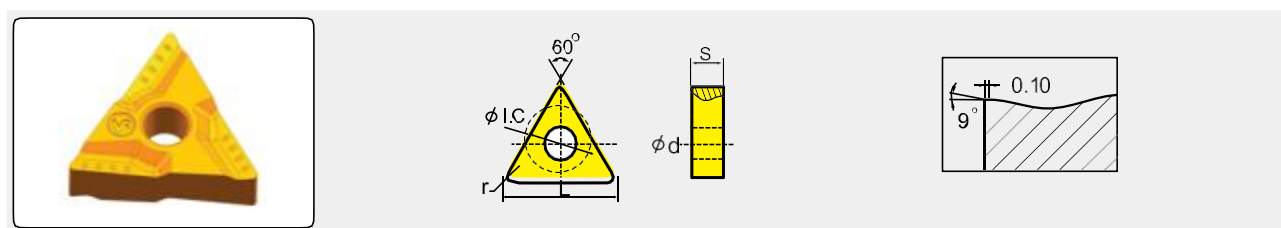
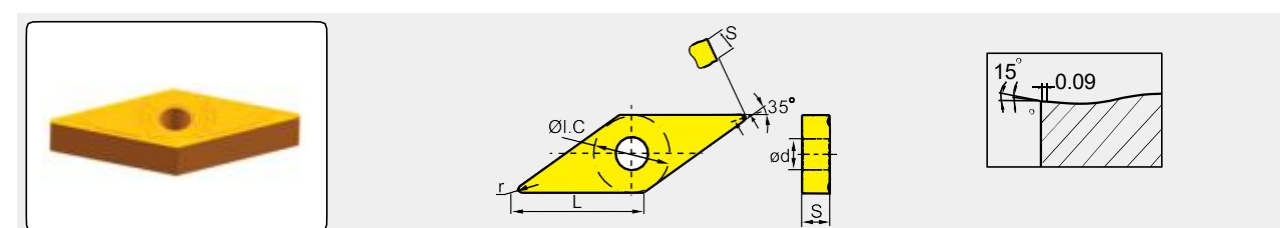
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		L	ΦI.C	S	Φd	r	JT5215	JT5225	JT5325	JT5335	JT4215	JA2125	JA2325	JA2328	JA2025	JA2005	JH3525	JTN30	JP141	
TNMG	160404-BR	16.5	9.525	4.76	3.81	0.4							●	○	●		○			
	160408-BR	16.5	9.525	4.76	3.81	0.8							●	○	●		○			
	160412-BR	16.5	9.525	4.76	3.81	1.2							●	○	●		○			
	220408-BR	22	12.7	4.76	5.16	0.8							●	○	●		○			
	220412-BR	22	12.7	4.76	5.16	1.2							●	○	●		○			

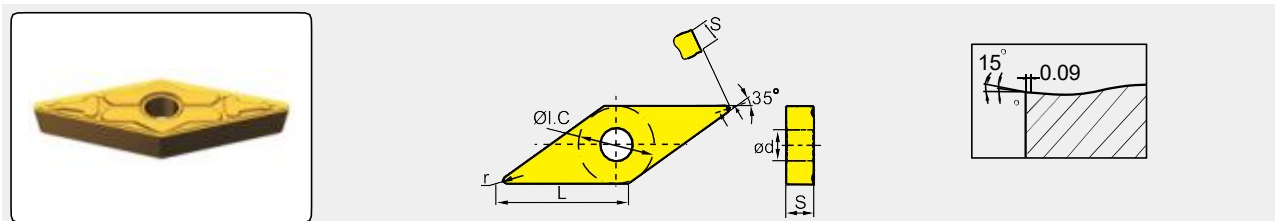
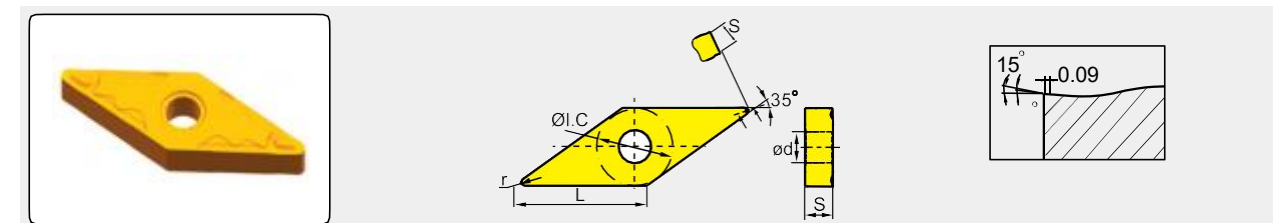
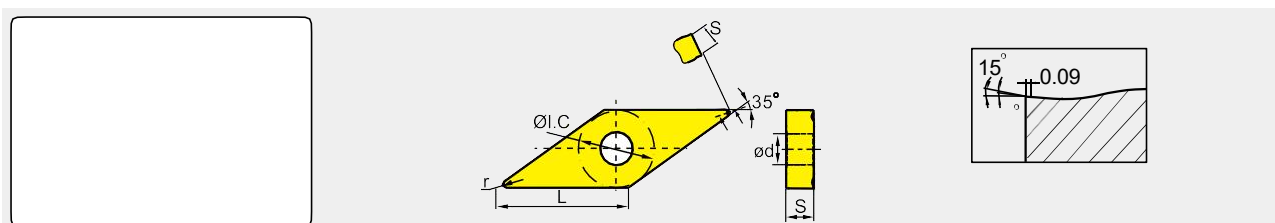


	Type 型号	Dimension(mm) 基本尺寸					Coated Grade 涂层牌号											Uncoated Grade 非涂层牌号				
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TNGG	160402R-S	16.5	9.525	4.76	3.81	0.2										●			●			
	160402L-S	16.5	9.525	4.76	3.81	0.2										●			●			
	160404R-S	16.5	9.525	4.76	3.81	0.4										●			●			
	160404L-S	16.5	9.525	4.76	3.81	0.4										●			●			

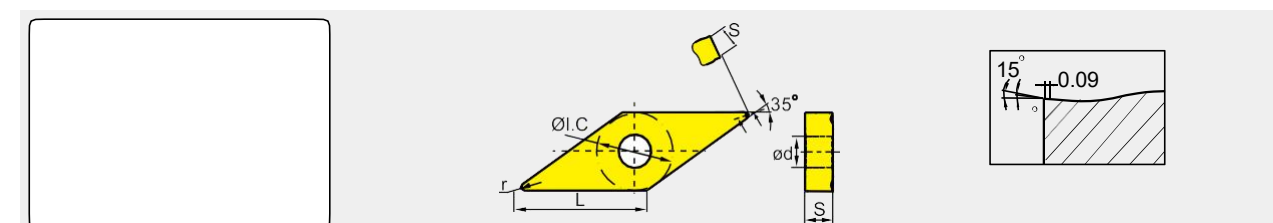


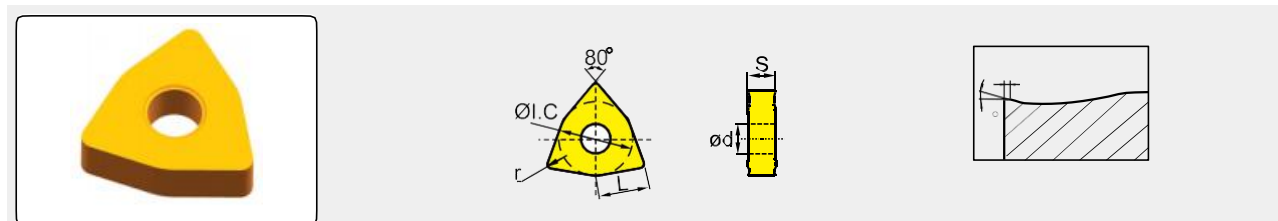
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TNMG	160402R-C	16.5	9.525	4.76	3.81	0.2										●			●				
	160402L-C	16.5	9.525	4.76	3.81	0.2										●			●				
	160404R-C	16.5	9.525	4.76	3.81	0.4										●			●				
	160404L-C	16.5	9.525	4.76	3.81	0.4										●			●				

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[illegible][illegible]

	Type 型号	Dimension(mm) 基本尺寸					Coated Grade 涂层牌号											Uncoated Grade 非涂层牌号					
		L	ΦI.C	S	Φd	r	JT5215	JT5225	JT5325	JT5335	JT4215	JA2125	JA2325	JA2328	JA2025	JA2005	JH3525		JTN30	JP141			
VNGG	160402R-S	16.6	9.525	4.76	3.81	0.2										●			●				
	160402L-S	16.6	9.525	4.76	3.81	0.2										●			●				
	160404R-S	16.6	9.525	4.76	3.81	0.4										●			●				
	160404L-S	16.6	9.525	4.76	3.81	0.4										●			●				

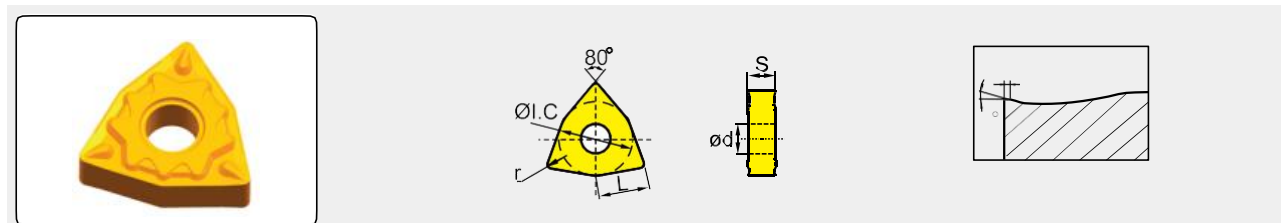
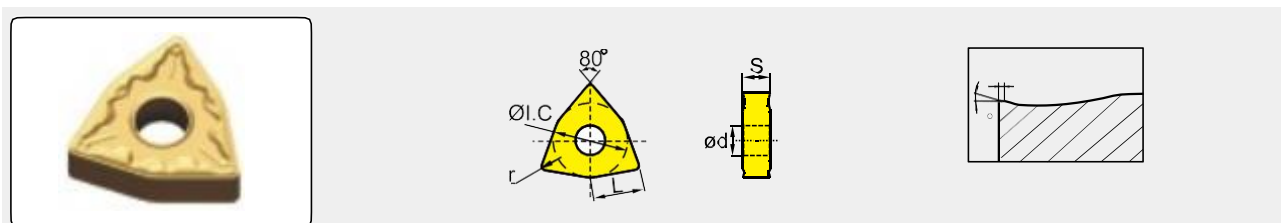
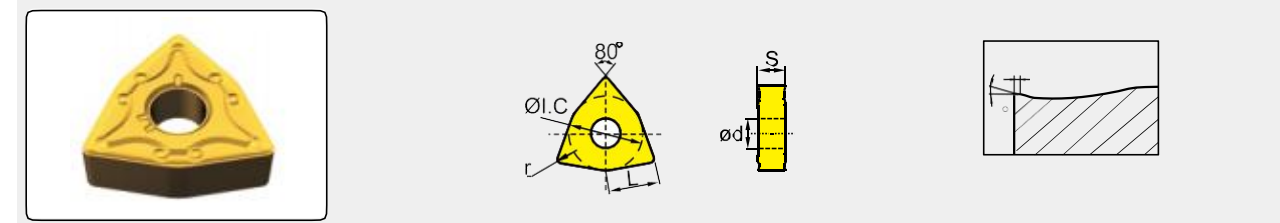
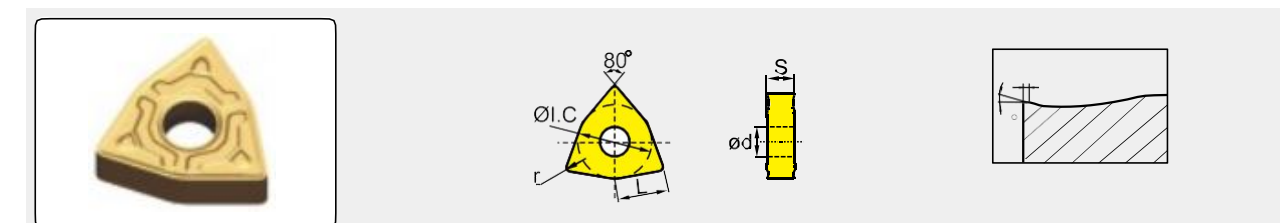
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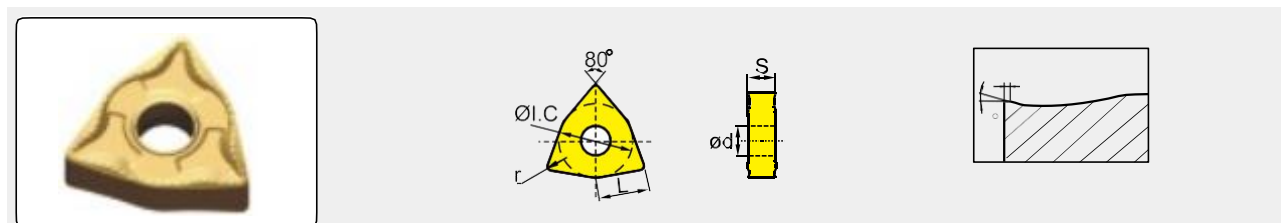


The image contains three technical drawings of a mechanical part:

- Top View:** A yellow-filled equilateral triangle with an inscribed circle. The top angle is labeled 80° . The radius of the inscribed circle is labeled $\varnothing 1, C$. The base of the triangle is labeled 1 .
- Side View:** A yellow-filled rectangle. The top width is labeled S . The bottom width is labeled $\varnothing d$.
- Cross-section View:** A light blue-filled rectangle. The top width is labeled 1 . The bottom width is labeled $\varnothing d$. The left side is labeled S .

[illegible]

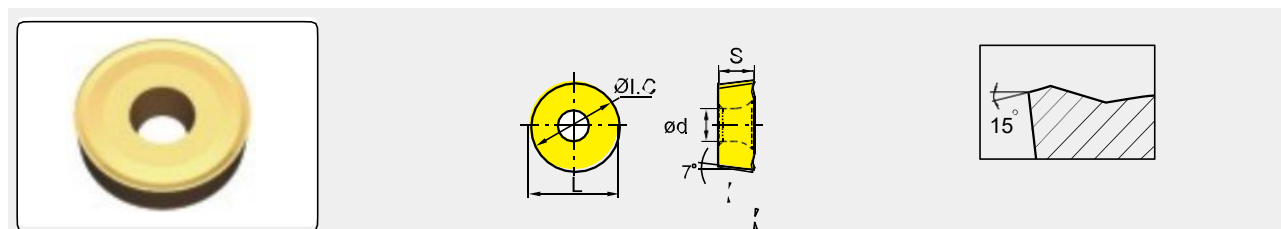
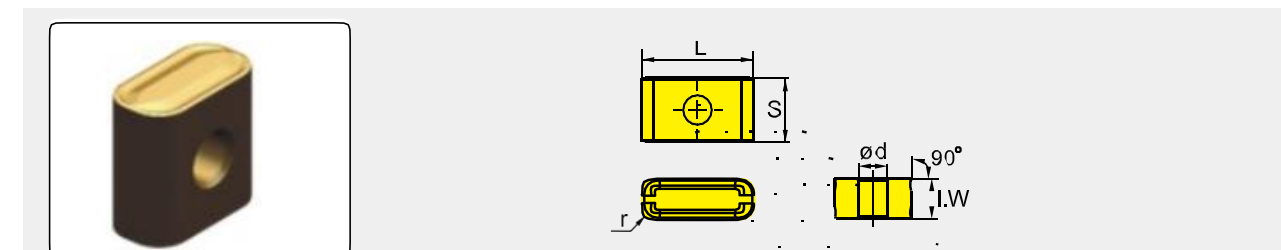
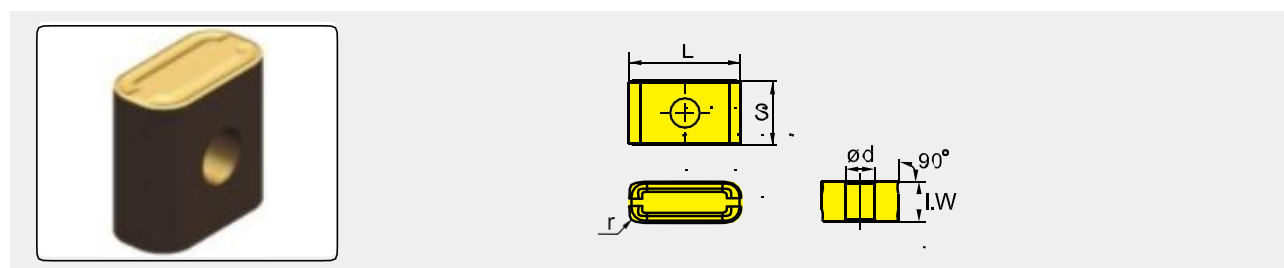
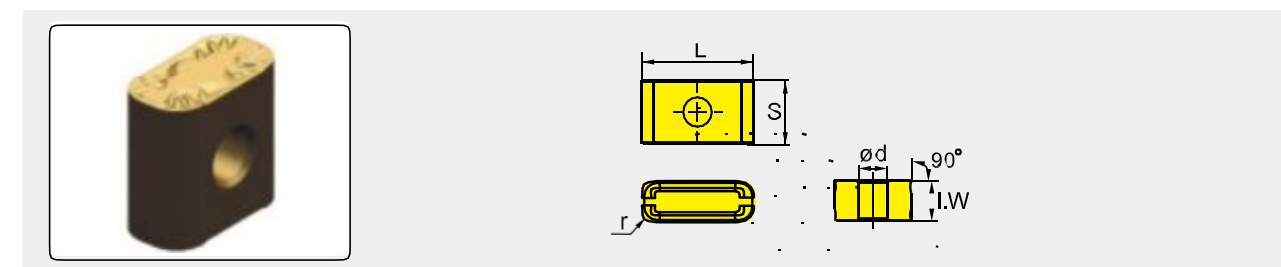
[illegible][illegible][illegible][illegible]



The technical drawing shows a triangular cutting tool in three views:

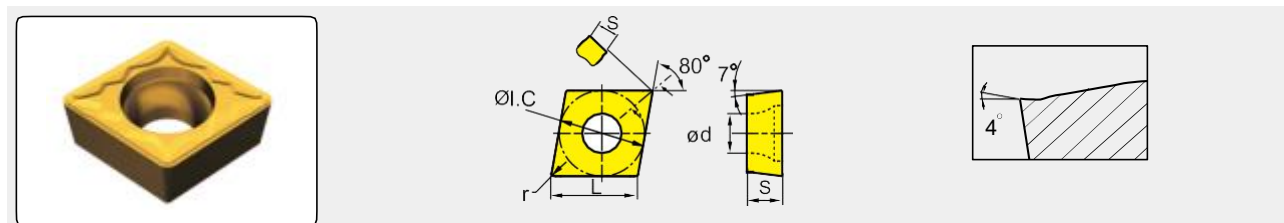
- Isometric View (Left):** A 3D perspective of a yellow triangular tool with a central circular hole and three cutting edges.
- Top View (Middle):** A 2D projection of the tool's top surface. It is an equilateral triangle with a central circular hole of diameter $\varnothing 1.6$. The top angle is labeled 80° . The side length is L , the thickness is S , and the radius of the cutting edge is r .
- Side View (Right):** A 2D projection showing the tool's profile. It is a rectangle with height S and width $\varnothing 1.6$. A dashed line indicates the internal hole.

[illegible]

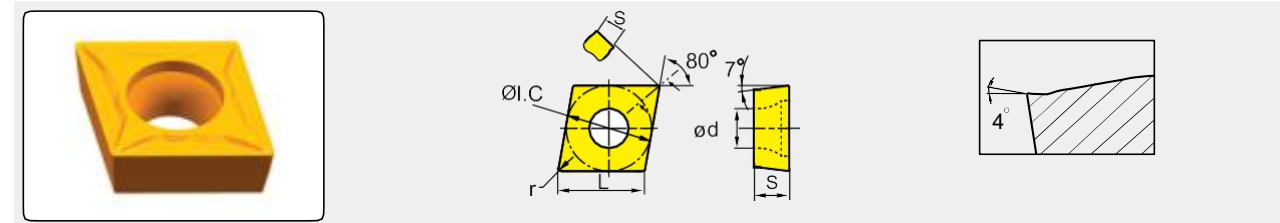
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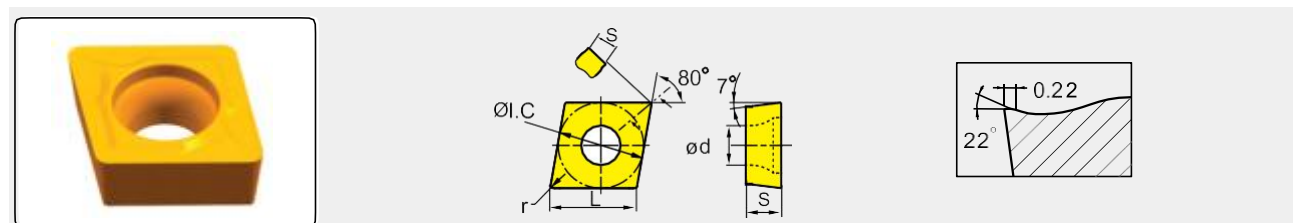
Turning Insert 车削刀片



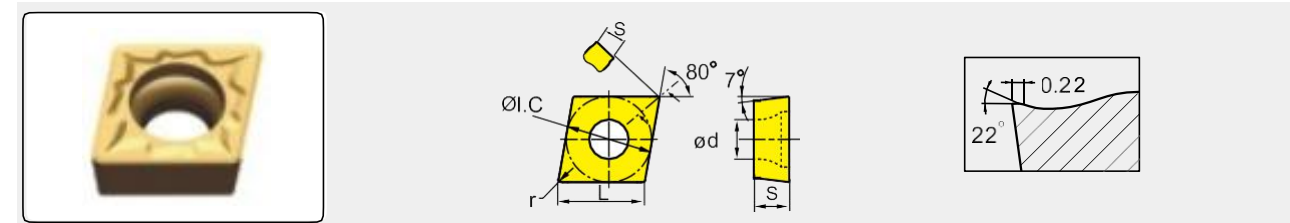
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CCMT	060204-HS3	6.35	2.38	2.8	0.4												•	
	060208-HS3	6.35	238	2.8	0.8												•	
	09T304-HS3	9.525	3.97	4.4	0.4												•	
	09T308-HS3	9.525	3.97	4.4	0.8												•	
	120404-HS3	12.7	4.76	5.56	0.4												•	
	120408-HS3	12.7	4.76	5.56	0.8												•	



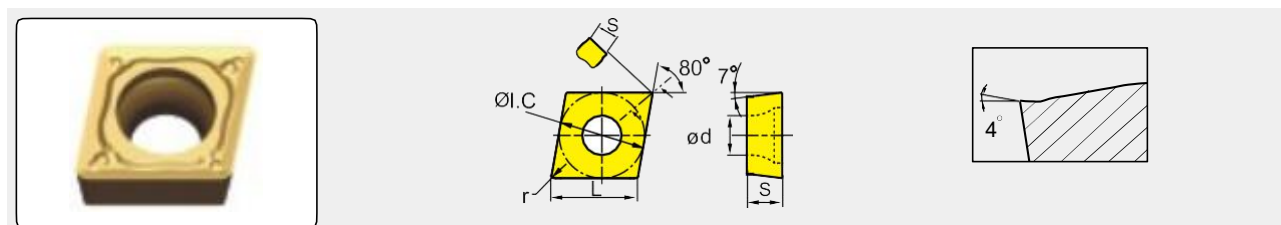
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CCMT	060204-PF4	6.35	2.38	2.8	0.4		•			•					•			
	060208-PF4	6.35	238	2.8	0.8		•			•					•			
	09T304-PF4	9.525	3.97	4.4	0.4		•			•					•			
	09T308-PF4	9.525	3.97	4.4	0.8		•			•					•			
	120404-PF4	12.7	4.76	5.56	0.4		•			•					•			
	120408-PF4	12.7	4.76	5.56	0.8		•			•					•			



	Type 型号	Dimension(mm) 基本尺寸				Coated Grade 涂层牌号										Uncoated Grade 非涂层牌号		
		ØI.C	S	Φd	r	JT5215	JT5225	JT5325	JT5335	JT4215	JA2125	JA2325	JA2328	JA2025	JA2005	JH3525	JTN30	JP141
CCMT	060204-SM4	6.35	2.38	2.8	0.4						•	•						
	060208-SM4	6.35	238	2.8	0.8						•	•						
	09T304-SM4	9.525	3.97	4.4	0.4						•	•						
	09T308-SM4	9.525	3.97	4.4	0.8						•	•						
	120404-SM4	12.7	4.76	5.56	0.4						•	•						
	120408-SM4	12.7	4.76	5.56	0.8						•	•						



	Type 型号	Dimension(mm) 基本尺寸				Coated Grade 涂层牌号										Uncoated Grade 非涂层牌号		
		ØI.C	S	Φd	r	JT5215	JT5225	JT5325	JT5335	JT4215	JA2125	JA2325	JA2328	JA2025	JA2005	JH3525	JTN30	JP141
CCMT	060204-JW	6.35	2.38	2.8	0.4	•	•	•	•			•	•	•	•	•		
	060208-JW	6.35	238	2.8	0.8	•	•	•	•			•	•	•	•	•		
	09T304-JW	9.525	3.97	4.4	0.4	•	•	•	•			•	•	•	•	•		
	09T308-JW	9.525	3.97	4.4	0.8	•	•	•	•			•	•	•	•	•		
	120404-JW	12.7	4.76	5.56	0.4	•	•	•	•			•	•	•	•	•		
	120408-JW	12.7	4.76	5.56	0.8	•	•	•	•			•	•	•	•	•		



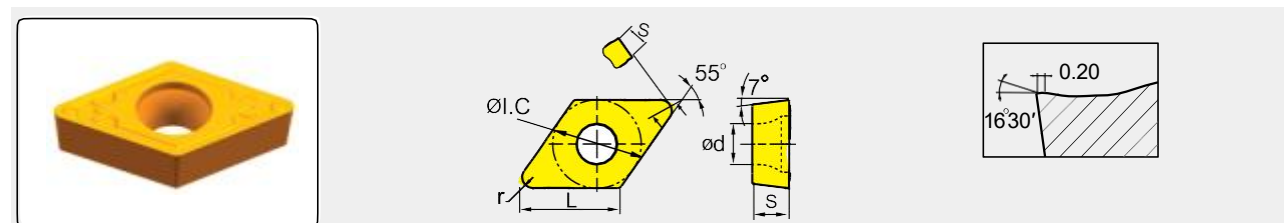
The technical drawing illustrates a mechanical component with the following features:

- Perspective View:** Shows a yellow, rectangular block with a central circular hole and a smaller, irregularly shaped hole on the side.
- Front View:** A yellow rectangular block with a central circular hole of diameter $\varnothing 1.C$. The block has a length L and a width $\varnothing d$. A fillet of radius r is shown at the bottom left corner. A chamfer is indicated with a 55° angle and a distance s from the corner.
- Cross-section View:** A yellow rectangular block with a width s and a height $\varnothing d$. It shows a chamfer with a 7° angle and a distance s from the corner. A fillet of radius r is shown at the bottom left corner. A cross-section of the central hole is shown with a diameter of 0.20 and a $16^\circ 30'$ angle.

The technical drawing illustrates a mechanical component with the following features:

- Perspective View:** Shows a yellow, rectangular part with rounded corners and a central circular hole.
- Front View:** A yellow rectangle with a central circular hole. Dimensions include:
 - Overall width: L
 - Overall height: r
 - Inner hole diameter: $\varnothing 1, C$
 - Corner radius: r
- Side View:** A yellow rectangle showing the profile of the part. Dimensions include:
 - Overall height: $\varnothing d$
 - Width: s
 - Top edge angle: 55°
 - Bottom edge angle: 7°
- Detail View:** A close-up of the top edge showing a fillet with a radius of 0.20 and a chamfer angle of $16^\circ 30'$.

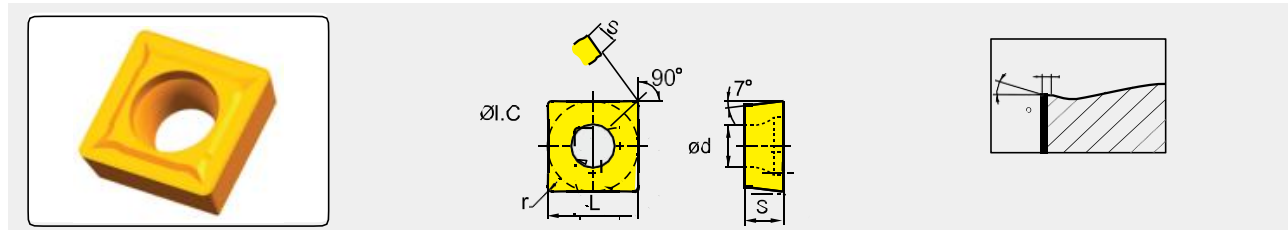
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DCMT	070204-HS3	7.8	6.35	2.38	2.8	0.4														●				
	070208-HS3	7.8	6.35	2.38	2.8	0.8														●				
	11T304-HS3	11.6	9.525	3.97	4.4	0.4														●				
	11T308-HS3	11.6	9.525	3.97	4.4	0.8														●				



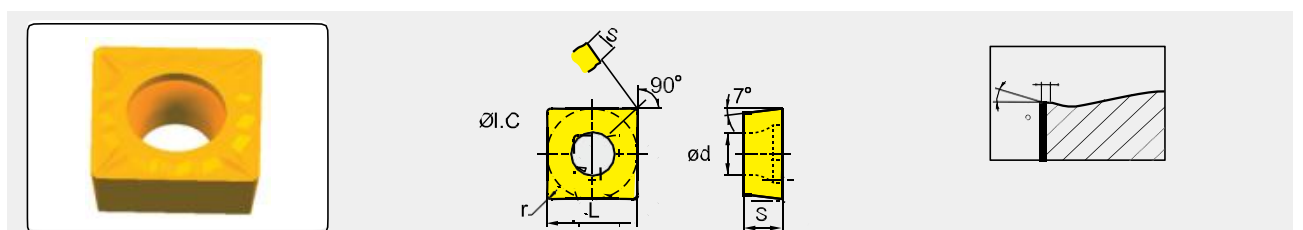
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		L	ΦI.C	S	Φd	r	JT5215	JT5225	JT5325	JT5335	JT4215	JA2125	JA2325	JA2328	JA2025	JA2005	JH3525			JTN30	JP141				
SCMT	09T304-HS3	9.525	9.525	3.97	4.4	0.4														●					
	09T808-HS3	9.525	9.525	3.97	44	0.8														●					
	120404-HS3	12.7	12.7	4.76	5.56	0.4														●					
	120408-HS3	12.7	12.7	4.76	5.56	0.8														●					



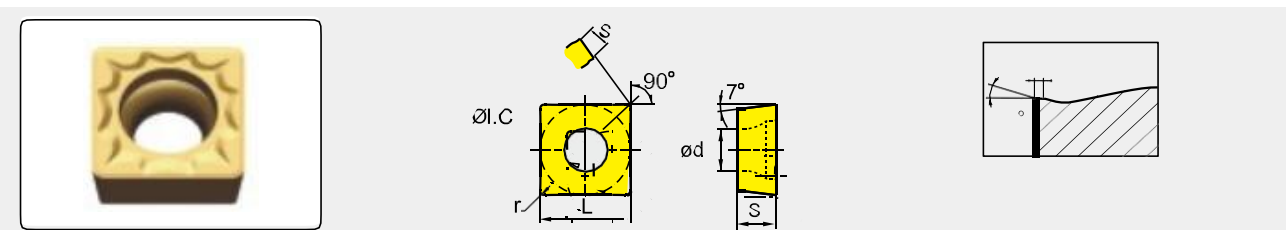
Turning Insert 车削刀片



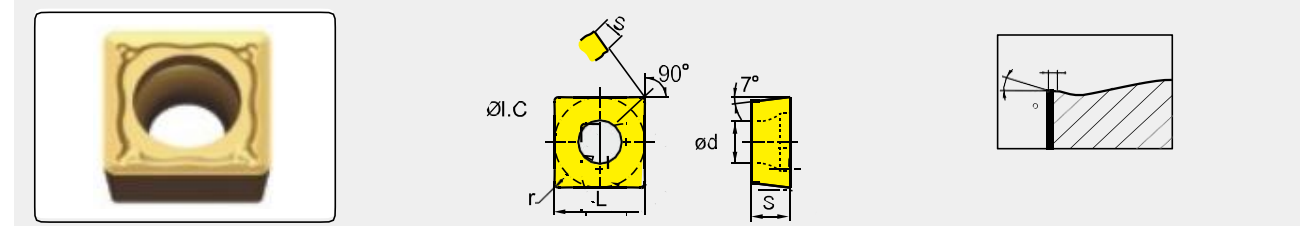
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SCMT	09T304-PF4	9.525	9.525	3.97	4.4	0.4		●			○					●							
	09T808-PF4	9.525	9.525	3.97	44	0.8		●			○					●							
	120404-PF4	12.7	12.7	4.76	5.56	0.4		●			○					●							
	120408-PF4	12.7	12.7	4.76	5.56	0.8		●			○					●							



	Type 型号	Dimension(mm) 基本尺寸					Coated Grade 涂层牌号												Uncoated Grade 非涂层牌号							
		L	ΦI.C	S	Φd	r	JT5215	JT5225	JT5325	JT5335	JT4215	JA2125	JA2325	JA2328	JA2025	JA2005	JH3525			JTN30	JP141					
SCMT	09T304-SM4	9.525	9.525	3.97	4.4	0.4							●	○												
	09T808-SM4	9.525	9.525	3.97	44	0.8							●	○												
	120404-SM4	12.7	12.7	4.76	5.56	0.4							●	○												
	120408-SM4	12.7	12.7	4.76	5.56	0.8							●	○												



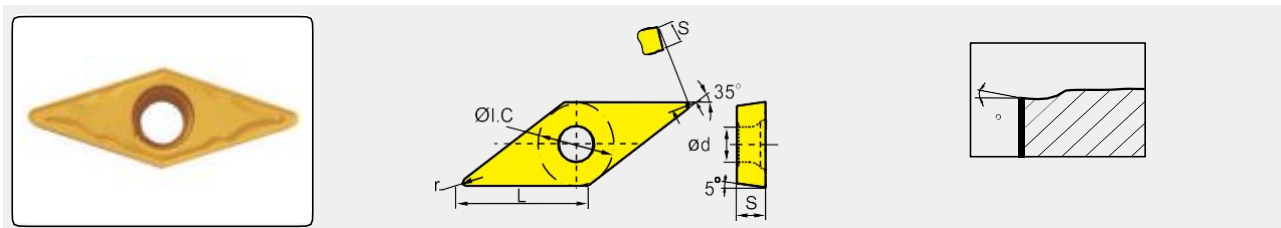
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SCMT	09T304-JW	9.525	9.525	3.97	4.4	0.4	○	●	●	○			●	○	●		○						
	09T808-JW	9.525	9.525	3.97	44	0.8	○	●	●	○			●	○	●		○						
	120404-JW	12.7	12.7	4.76	5.56	0.4	○	●	●	○			●	○	●		○						
	120408-JW	12.7	12.7	4.76	5.56	0.8	○	●	●	○			●	○	●		○						



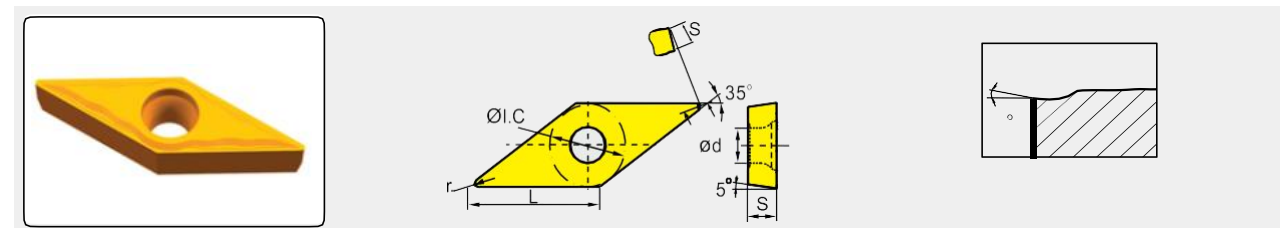
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SCMT	09T304-MM	9.525	9.525	3.97	4.4	0.4								●	○	●		○						
	09T808-MM	9.525	9.525	3.97	44	0.8								●	○	●		○						
	120404-MM	12.7	12.7	4.76	5.56	0.4								●	○	●		○						
	120408-MM	12.7	12.7	4.76	5.56	0.8								●	○	●		○						



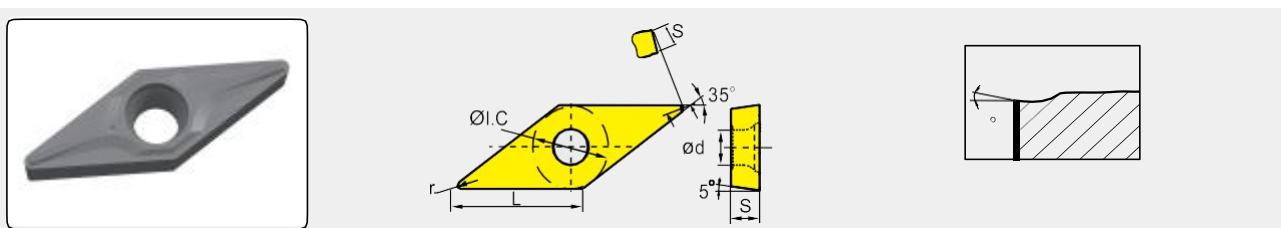
Turning Insert 车削刀片



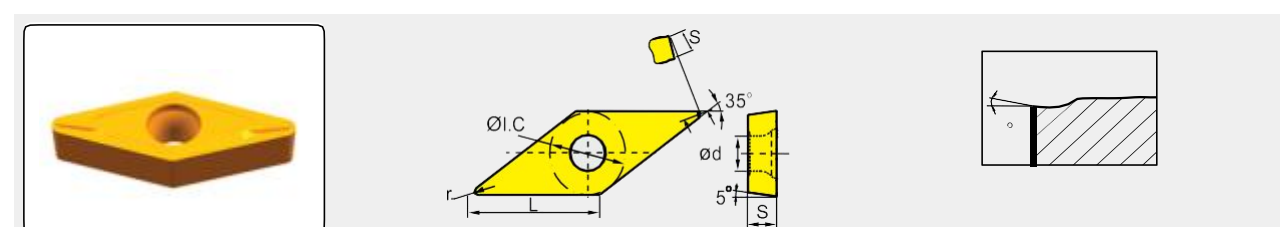
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VBMT	110304-HS3	11	6.35	3.18	2.8	0.4												•		
	110308-HS3	11	6.35	3.18	2.8	0.8												•		
	160404-HS3	16	9.525	4.76	4.4	0.4												•		
	160408-HS3	16	9.525	4.76	4.4	0.8												•		



	Type 型号	Dimension(mm) 基本尺寸						Coated Grade 涂层牌号										Uncoated Grade 非涂层牌号		
		L	ΦI.C	S	Φd	r	JT5215	JT5225	JT5325	JT5335	JT4215	JA2125	JA2325	JA2328	JA2025	JA2005	JH3525	JTN30	JP141	
VBMT	110304-PF4	11	6.35	3.18	2.8	0.4		•			○					•				
	110308-PF4	11	6.35	3.18	2.8	0.8		•			○					•				
	160404-PF4	16	9.525	4.76	4.4	0.4		•			○					•				
	160408-PF4	16	9.525	4.76	4.4	0.8		•			○					•				



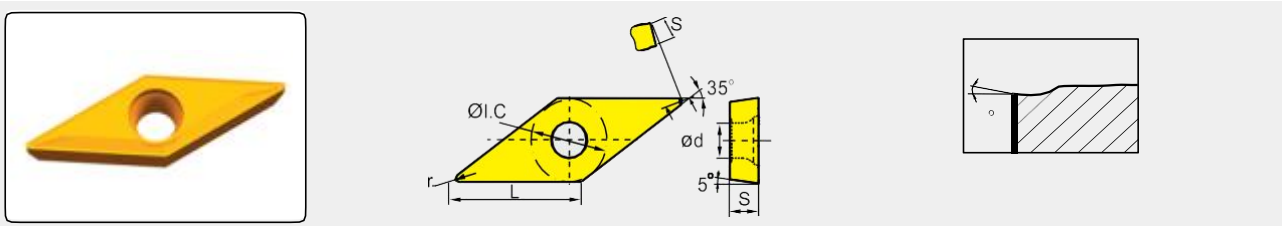
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VBMT	160404-MF3	16	9.525	4.76	4.4	0.4						•	○							
	160408-MF3	16	9.525	4.76	4.4	0.8						•	○							



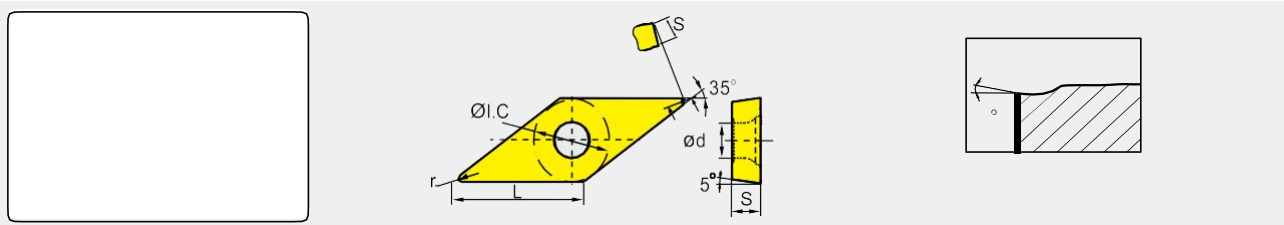
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VBMT	110304-SM4	11	6.35	3.18	2.8	0.4						•	○							
	110308-SM4	11	6.35	3.18	2.8	0.8						•	○							
	160404-SM4	16	9.525	4.76	4.4	0.4						•	○							
	160408-SM4	16	9.525	4.76	4.4	0.8						•	○							



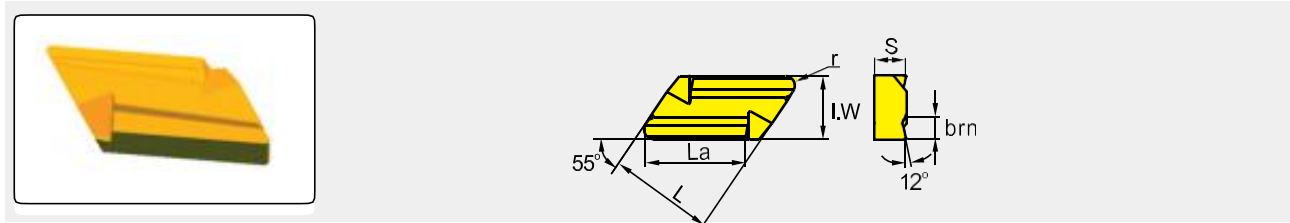
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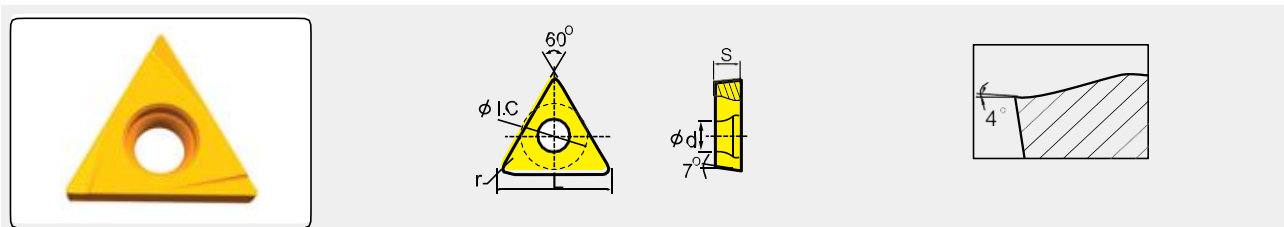
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VCMT	160404-SM4	16	9.525	4.76	4.4	0.4						•	•								
	160408-SM4	16	9.525	4.76	4.4	0.8						•	•								



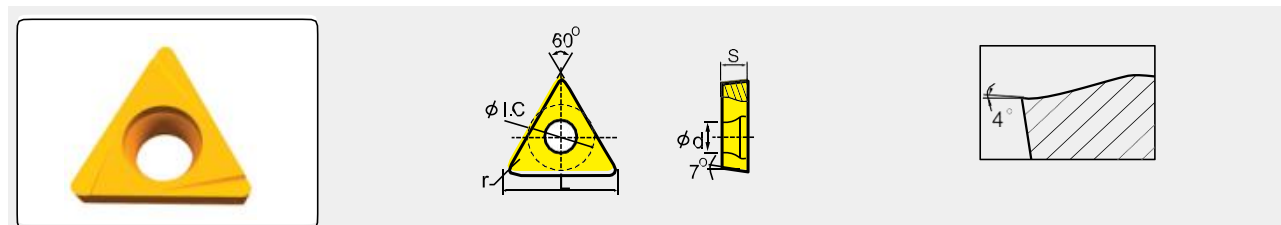
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VBGT	110302R-F	11	6.35	3.18	2.8	0.2										•			•		
	110302L-F	11	6.35	3.18	2.8	0.2										•			•		
VPET	110302R-FSF	11	6.35	3.18	2.8	0.2										•			•		
	110302L-FSF	11	6.35	3.18	2.8	0.2										•			•		



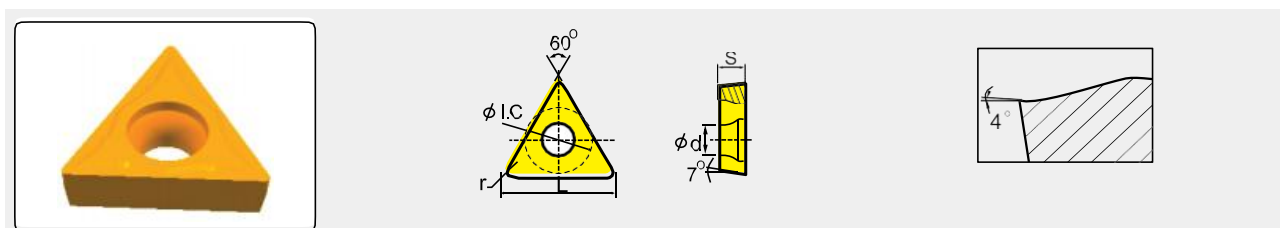
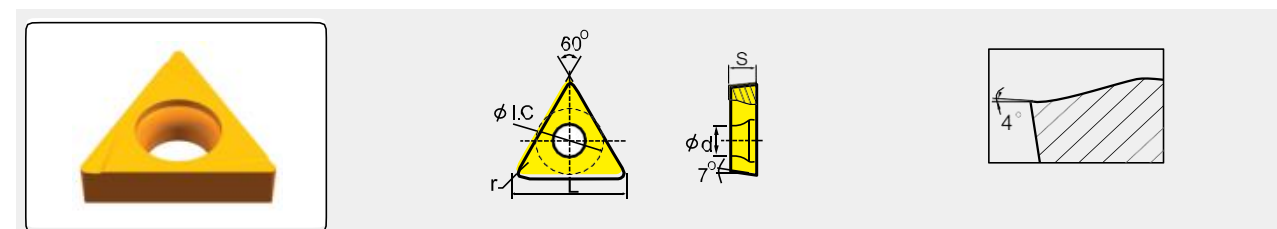
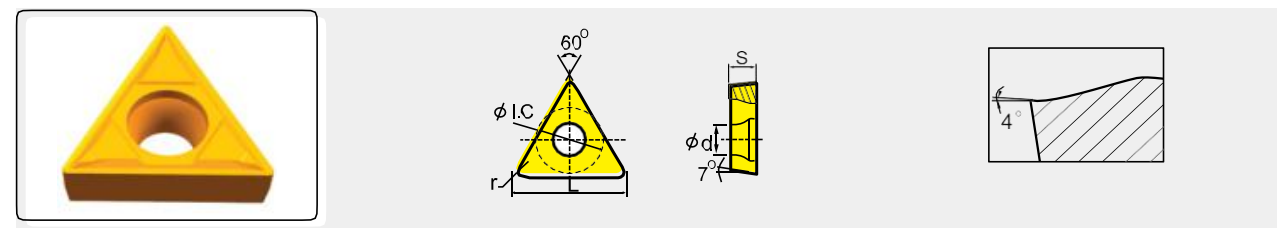
	Type 型号	Dimension(mm) 基本尺寸					Coated Grade 涂层牌号												Uncoated Grade 非涂层牌号		
		La	L	I.W	S	r	JT5215	JT5225	JT5325	JT5335	JT4215	JA2125	JA2325	JA2328	JA2025	JA2005	JH3525		JTN30	JP141	
KNUX	160405-L11	16	16.15	9.525	4.76	0.5		•	•												
	160410-L11	16	16.15	9.525	4.76	1.0		•	•												
	160405-R11	16	16.15	9.525	4.76	0.5		•	•												
	160410-R11	16	16.15	9.525	4.76	1.0		•	•												



	Type 型号	Dimension(mm) 基本尺寸					Coated Grade 涂层牌号												Uncoated Grade 非涂层牌号		
		L	ΦI.C	S	Φd	r	JT5215	JT5225	JT5325	JT5335	JT4215	JA2125	JA2325	JA2328	JA2025	JA2005	JH3525		JTN30	JP141	
TCGT	110202L-W		6.35	2.38		0.2										•			•		
	110204L-W		6.35	2.38		0.4										•			•		



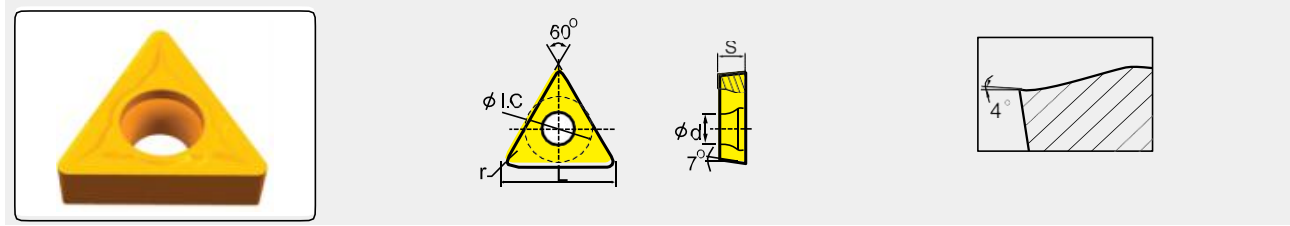
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TPGT	080202L-W		4.76	2.38		0.2										●			●			
	080204L-W		4.76	2.38		0.4										●			●			
	090202L-W		5.56	2.38		0.2										●			●			
	090204L-W		5.56	2.38		0.4										●			●			
	110302L-W		6.35	3.18		0.2										●			●			
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[illegible][illegible]

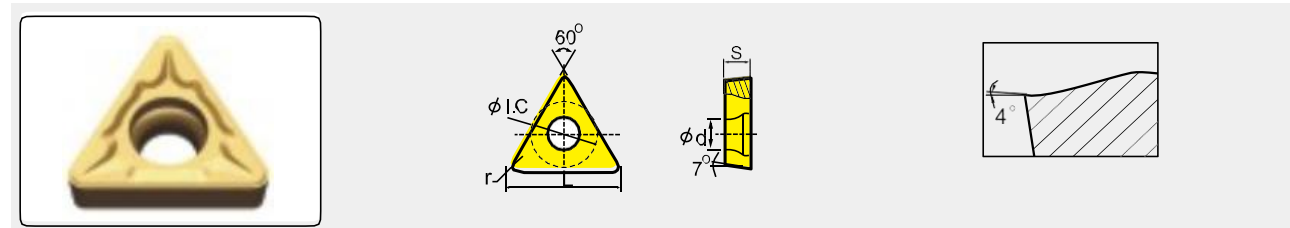
	Type 型号	Dimension(mm) 基本尺寸					Coated Grade 涂层牌号											Uncoated Grade 非涂层牌号				
		L	ΦI.C	S	Φd	r	JT5215	JT5225	JT5325	JT5335	JT4215	JA2125	JA2325	JA2328	JA2025	JA2005	JH3525		JTN30	JP141		
TCMT	090204-PF4	9.6	5.56	2.38	2.5	0.4		●					○			●						
	090208-PF4	9.6	5.56	2.38	2.5	0.8		●					○			●						
	110304-PF4	11.0	6.35	3.18	2.8	0.4		●					○			●						
	110308-PF4	11.0	6.35	3.18	2.8	0.8		●					○			●						
	16T304-PF4	16.5	9.525	3.97	4.4	0.4		●					○			●						
	16T308-PF4	16.5	9.525	3.97	4.4	0.8		●						○		●						



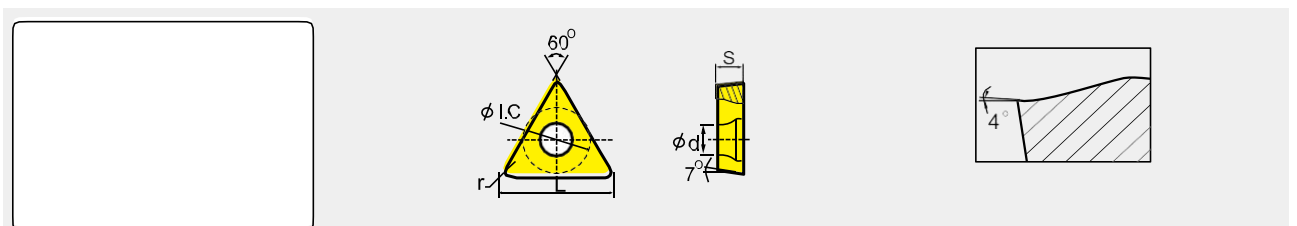
Turning Insert 车削刀片



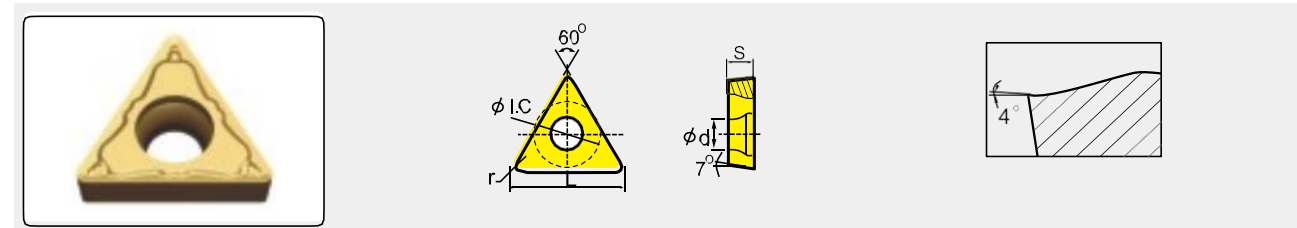
	Type 型号	Dimension(mm) 基本尺寸					Coated Grade 涂层牌号												Uncoated Grade 非涂层牌号			
		L	ΦI.C	S	Φd	r	JT5215	JT5225	JT5325	JT5335	JT4215	JA2125	JA2325	JA2328	JA2025	JA2005	JH3525		JTN30	JP141		
TCMT	090204-SM4	9.6	5.56	2.38	2.5	0.4						●	○									
	090208-SM4	9.6	5.56	2.38	2.5	0.8						●	○									
	110304-SM4	11.0	6.35	3.18	2.8	0.4						●	○									
	110308-SM4	11.0	6.35	3.18	2.8	0.8						●	○									
	16T304-SM4	16.5	9.525	3.97	4.4	0.4						●	○									
	16T308-SM4	16.5	9.525	3.97	4.4	0.8						●	○									



	Type 型号	Dimension(mm) 基本尺寸					Coated Grade 涂层牌号												Uncoated Grade 非涂层牌号				
		L	ΦI.C	S	Φd	r	JT5215	JT5225	JT5325	JT5335	JT4215	JA2125	JA2325	JA2328	JA2025	JA2005	JH3525		JTN30	JP141			
TCMT	090204-JW	9.6	5.56	2.38	2.5	0.4	○	●	●	○			●	○	●		○						
	090208-JW	9.6	5.56	2.38	2.5	0.8	○	●	●	○			●	○	●		○						
	110304-JW	11.0	6.35	3.18	2.8	0.4	○	●	●	○			●	○	●		○						
	110308-JW	11.0	6.35	3.18	2.8	0.8	○	●	●	○			●	○	●		○						
	16T304-JW	16.5	9.525	3.97	4.4	0.4	○	●	●	○			●	○	●		○						
	16T308-JW	16.5	9.525	3.97	4.4	0.8	○	●	●	○			●	○	●		○						



	Type 型号	Dimension(mm) 基本尺寸					Coated Grade 涂层牌号												Uncoated Grade 非涂层牌号			
		L	ΦI.C	S	Φd	r	JT5215	JT5225	JT5325	JT5335	JT4215	JA2125	JA2325	JA2328	JA2025	JA2005	JH3525		JTN30	JP141		
TCGT	080202R-F		4.76	2.38	2.38	0.2										●			●			
	080202L-F		4.76	2.38	2.38	0.2										●			●			
	110302R-F		6.35	3.18	3.18	0.2										●			●			
	110302L-F		6.35	3.18	3.18	0.2										●			●			



	Type 型号	Dimension(mm) 基本尺寸					Coated Grade 涂层牌号												Uncoated Grade 非涂层牌号			
		L	ΦI.C	S	Φd	r	JT5215	JT5225	JT5325	JT5335	JT4215	JA2125	JA2325	JA2328	JA2025	JA2005	JH3525		JTN30	JP141		
TCMT	090204-MM	9.6	5.56	2.38	2.5	0.4							●	○	●		○					
	090208-MM	9.6	5.56	2.38	2.5	0.8							●	○	●		○					
	110304-MM	11.0	6.35	3.18	2.8	0.4							●	○	●		○					
	110308-MM	11.0	6.35	3.18	2.8	0.8							●	○	●		○					
	16T304-MM	16.5	9.525	3.97	4.4	0.4							●	○	●		○					
	16T308-MM	16.5	9.525	3.97	4.4	0.8							●	○	●		○					