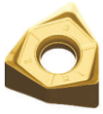
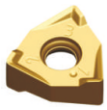
MILLING

INSERTS

Recommendation of Milling Grade

ISO		CVD			PVD		
K Cast Iron	01				BP1015		
	10	BK3020				BP1825	BM1525
	20		BK3040				
	30						
	40						
P Steel	01				BP1015		
	10					BP1825	
	20						BP1025
	30						
	40						
M Stainless Steel	01				BM1820		
	10					BP1825	
	20				BM1824		BM1525
	30						BM1828
	40						
S Heat Resistant Alloy	01						
	10				BS1610		
	20					BS1525	
	30						BS1029
	40						

Recommendation of Inserts and Chip Breakers

Should Milling Inserts						
	APMT-DL	APMT-GM	APMT-M2	APMT-H2	ADMT-JT	3PKT
Length	11/16	11/16	11/16	11/16	11/16	04/09
Double-side Should Milling Inserts						
	ANMX	4NKT-M	LNGU-GM	WNMU-GM	XNEX-GL/GM	
Length	11/15	04/06/09/11	11	05/08	08	
Profile Milling Inserts						
	RPMW	RPMT-JM	RPMT-GM	RDKT	RPMT-XR	RPMT
Length	08/10/12	08/10/12/16	08/10/12	08/20	08/10/12	12
Single-side High Feed Milling Inserts						
	EPNW-GH	LPGT-GM	SDMT-GM	SDMT-GH	SOMT-GM	SOMT-GM
Length	06	01	12/15	06/15	10	14
Double-side High Feed Milling Inserts				45°Face Milling Inserts		
	LNMU-GM	LOGU-GM	BLMP-GM		SEMT-GM	SEER-GM
Length	03	03	04-11	Length	12	12/15

Super Alloy Titanium Alloy					
	RPHX-DF	RPHX-DM	APMT-DF	SDMT-DM	LNMU-MS
Length	10/12	10/12	11/16	06/09	03
Double-side Cost-effective Face Milling Inserts					
	SNMU-GM	SNMX-GM	SNGX-GF	PNCU-GM	HNMG-R
Length	13	12/16	09	09	09
Double-side Cost-effective Face Milling Inserts					
	HNMG-M	XNMU-MM	XNMU-GR	ONHU-AR	ONHU-AF
Length	09	07	07/09	05	05
Double-side Cost-effective Face Milling Inserts		Helix Milling Inserts			
	ONMU-GM		APKT-PM	SP-KM	SP-PM
Length	09	Length	15	12	12

Helical Milling Inserts			
	CNHX	LNKT	LNKX
Length	16	16	12

Turbocharger

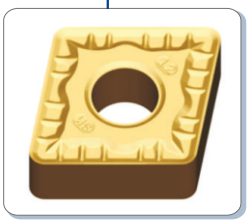
Due to fuel saving, power, environmental protection and other reasons, turbochargers are increasingly widely used, becoming an indispensable part of the internal combustion engine. Turbocharger shell is the most important part of the turbocharger, the material is mostly made of high temperature resistant alloy material, e.g. 1.4826,1.4837,1.4848,1.4849 etc.

Our technical team is committed to developing new cutting tool materials, insert chip breakers and coatings. Currently, we are able to provide the perfect solution for different conditions for the machining of turbocharger housings from roughing to finishing.

Application No.1

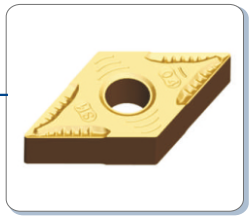
Heptagonal face milling cutter, 14 effective cutting edges, rough milling of flange planes, excellent cost performance

PN09 is for finish milling of turbine shell flange plane with good surface cleanliness



CN12 is for rough machining of external and internal boring of turbine casing.

Application No.2



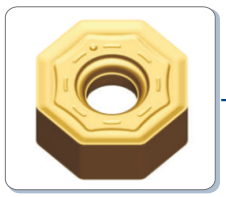
DN15 is for internal Fini boring for turbine shell

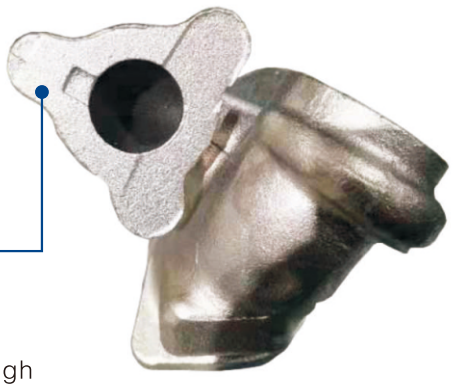
SN09 is for back milling of flanges.

SD09 is for internal plane machining.

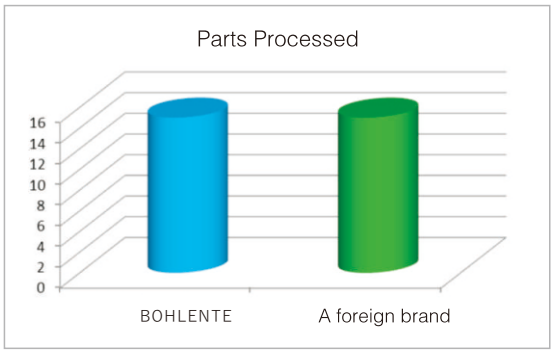
Case No.1

Workpiece material:heat–resisting steels
Workpiece:Turbine shell
Cooling type:Compressed Air
Original blade:A foreign brand
WeCan insert:ONHU050408–AF BM1028
Cutting parameter:Vc:168m/min fz:0.07mm/z ap:2.3mm
Conclusion: Our inserts cutting light and fast, low cutting force, even wear on the rear surface, compared with a foreign brand processing life of 15 pieces / edge, our products are more cost-effective.



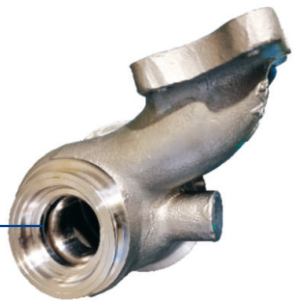


ONHU050408–AR rough milling of turbine shell plane.

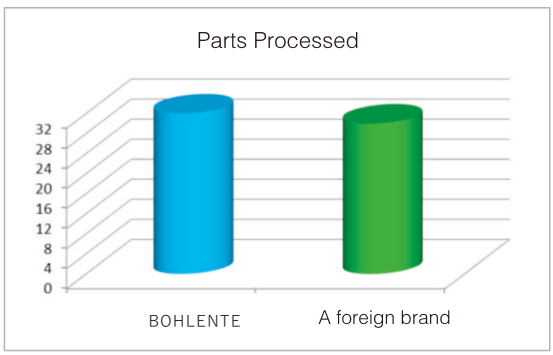


Case No.2

Workpiece material:heat–resisting steels 1.4837
Workpiece:Turbine shell
Cooling type:Cooling Liquid
Original blade:A foreign brand
WeCan insert:XNGU0705ANN–GR BM1028
Cutting parameter:Vc:261.2m/min fz:0.08mm/z ap:1.5~2mm
Conclusion: Our inserts processed 32 pieces, a foreign brand processed 30 pieces, the tool life increased by 7% with good cost performance.



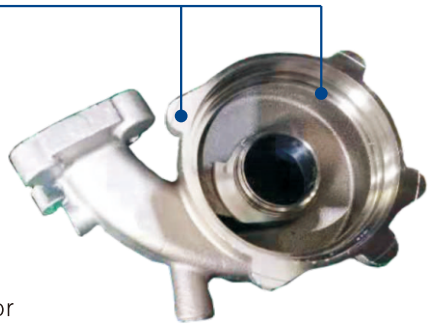
XNGU0705ANN–GR BM1028
Heptagonal face milling cutter, 14 effective cutting edges, rough milling of flange planes, excellent cost performance

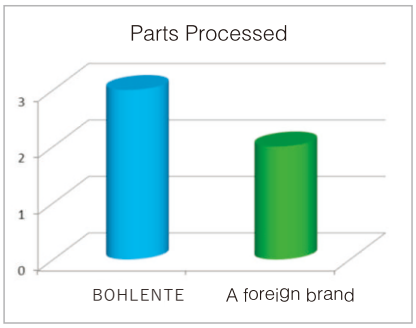


Case No.3

Workpiece material:heat–resisting steels 1.4837
Workpiece:Turbine shell
Cooling type:Compressed Air
Original blade:A foreign brand
WeCan insert:CNMG120412–DM BS1525
Cutting parameter:Boring:Vc:111m/min f:0.18 mm/rev ap:1.75mm
End face:Vc:120m/min f:0.15mm/rev ap:1.3mm
Service life:3 pieces/edge
Conclusion: Used for turbine shell boring and end face rough machining, and end face for intermittent processing, our inserts can process 3 pieces, a foreign brand processed 2 pieces, and successfully replaced

CNMG120412–DM BS1525 is for turbine shell boring and end face rough machining, and end face for intermittent processing

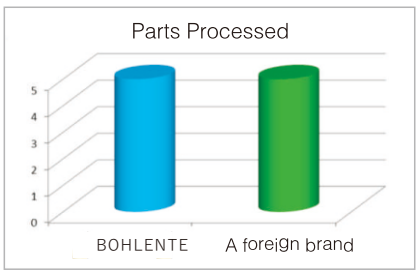




Case No.4

Workpiece material:heat–resisting steels 1.4837
Workpiece: Turbine shell
Cooling type:Cooling Liquid
Original blade:A foreign brand
WeCan insert:DNMG150404–DM BS1525
Cutting parameter: Vc: 130m/min f=0.1 mm/rev ap=0.2mm
Service life:5 pieces/edge
Conclusion: Used in the turbine casing boring and end face finishing, our inserts processed 5 pieces, a foreign brand processed 5 pieces, the single cost per piece of workpiece processing is low, and our insert's rear tool surface wear less than competitor's

DNMG150404–DM BS1525 is for internal Finish boring for turbine shell



SHARK TOOTH -
Milling Insert for Turbine Blades

1 Steam Turbine Blade Material and Its Characteristics

Blade often use high strength, toughness, good thermal hardness of heat–resistant stainless steel, mechanical processing is difficult as follows

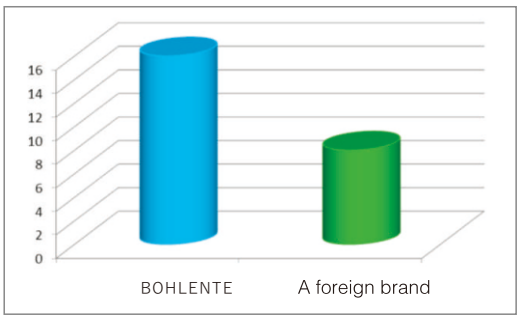
- Large machining allowance, in order to improve production efficiency, cutting with the highest possible cutting parameters
- High strength, high cutting force, high machining temperature, fast tool wear, easy to chipping
- Severe machining hardening, high tool groove wear

2 Grade Features

- Stronger bonding phase, higher resistance to plastic deformation and wear resistance, and excellent toughness
- High aluminum content gradient nano–coating for increased oxidation resistance and cutting temperature
- Smooth product surface to prevent chip tumor accumulation

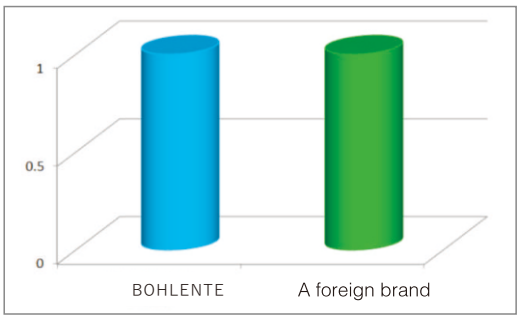
Case No.1

Workpiece material:2Cr12NiMo1W1V
Workpiece:High pressure cylinder stage 12 dynamic and locking lobe
Cooling type:Compressed Air
Processing type:Rough milling of airway profiles
Original blade:A foreign brand
WeCan insert:RPMT1204M0 BM1828
Cutting parameter:Vc:231m/min fz:0.38mm/z ap:1.5mm
Conclusion: Our blade life is 4 pieces/edge, that is single piece for 16 workpieces. A foreign brand blade life is 2 pieces/edge. Our processing quantity is 200% of the foreign brand, and the cost is significantly reduced.



Case No.2

Workpiece material: 10Cr1lCo3W3NiMoVNbNB
Workpiece: High pressure level 5
Cooling type: Compressed Air
Processing type:Rough milling of airway profiles
Original blade:A foreign brand
WeCan insert: RPMT1204M0 BM1828
Cutting parameter:Vc:221m/min fz:0.51mm/z ap:1,5mm
Conclusion: Our blade life is 1 piece/edge, that is single piece for 4 workpieces. A foreign brand blade life is 1 piece/edge. Both are forced to change the blade after processing 1 piece. Our blade wear is smaller and the cost is reduced.



HIGH FEED - Cyclone Milling

1.LNMU Series

Feature of Chip Breaker

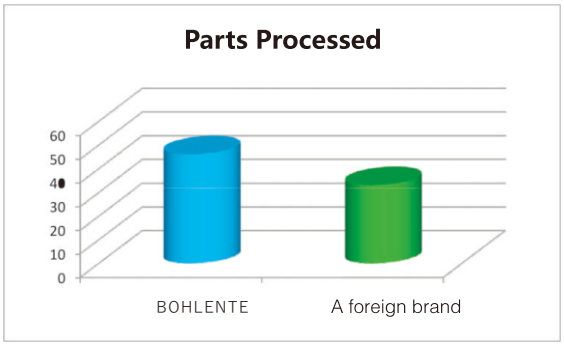
●Double–sided fast feed, cost–effective with 4–edges

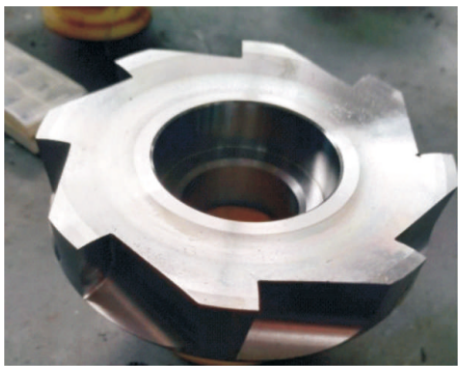
● Optimized edge preparation for machining steel, stainless steel, cast iron and high–temperature alloys, etc.

●Inserts Ap is up to 1mm and can be used for shoulder milling, groove milling, ramp milling and small depth milling.

Case：

Workpiece material: Alloy Steel
Workpiece: Cutter grooving
Cooling type: Compressed Air
Original blade: A foreign brand
WeCan insert: LNMU0303ZER–GM BP1025
Cutting parameter: Vc:126m/min, fz:0.3mm/z , ap:0.8mm
Conclusion: Our blade processed 46 pcs edge, a foreign brand processed 33 pcs edge, tool life increased by 40% to meet customers' cost–effective needs.





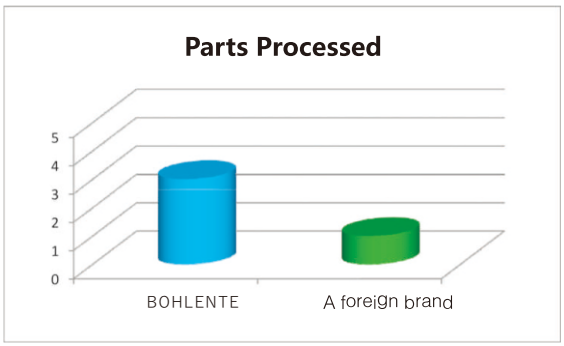
2.LOGU Series

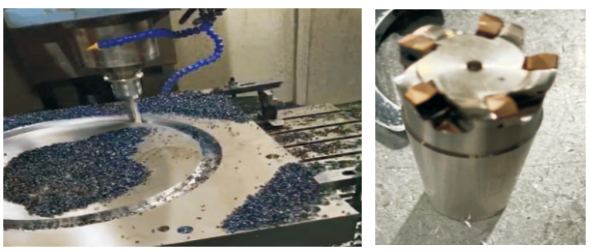
Feature of Chip Breaker

- ●Double–sided with 4–edges
- ●Precision ground inserts for higher indexing accuracy
- ● Small–diameter and multi–edge for efficient machining, end mill diameter range 16~32mm

Case：

Workpiece material: 45# Steel
Workpiece: Automotive mold parts
Cooling type: Compressed Air
Original blade: A foreign brand
WeCan insert: LOGU030310ER–MM BP1825
Cutting parameter: Vc:180m/min, fz:0.77mm/z, ap:0.7mm
Conclusion: Our blade processed 3 pcs edge, a foreign brand processed 1 pcs edge, our blade efficiency increased by 4–5 times, the unit cost reduced by 5 times.





HIGH FEED - New Application

Round Milling Inserts

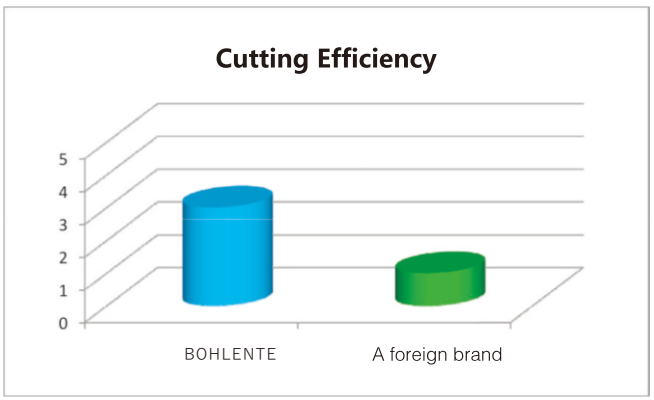
3. SOMT Series

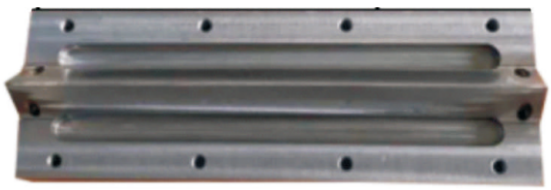
Feature of Chip Breaker

- Fast Feed for General Milling
- Convex cutting edge design inhibits impact during insert feed and improves the impact resistance of the insert.
- For flat surface machining, cavity machining and helical milling.

Case：

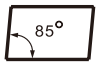
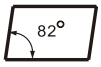
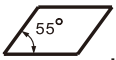
Workpiece material:SUS 431
Workpiece:Mask machine spinneret
Cooling type:Compressed Air
Original blade:A foreign brand–RPEW1003
Cutting parameter: Vc: 271 m/min, fz:0.91 mm/z, ap:0.3mm
WeCan insert:SOMT140520–GM BP1025
Cutting parameter: Vc: 178m/min, fz:1.23mm/z , ap:1mm
Conclusion: Fast feed inserts replace traditional round inserts, metal removal rate increased by 3.6 times per unit time, cutting performance increased by 300%, and tool cost reduced by 80%.





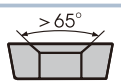
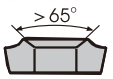
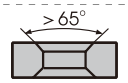
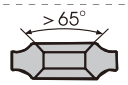
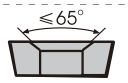
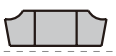
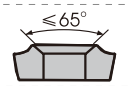
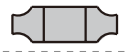
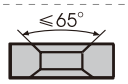
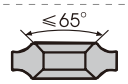
Milling Insert Code Key

1.Shape

 A	 B	 C
 D	 E	 H
 K	 L	 M
 O	 P	 R
 S	 T	 T
 V	 W	Others Z

1.Shape

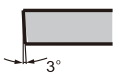
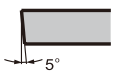
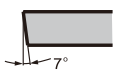
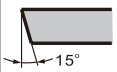
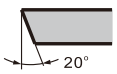
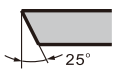
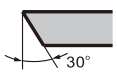
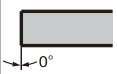
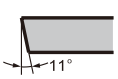
4.Chip Breaker and Hole

Code	Center Hole	Chip Breaker	Insert Profile	Code	Center Hole	Chip Breaker	Insert Profile
B	Y	N		N	N	N	
H	Y	Single		R	N	Single	
C	Y	N		F	N	Double	
J	Y	Double		A	Y	N	
W	Y	N		M	Y	Single	
T	Y	Single		G	Y	Double	
Q	Y	N		X	---	---	Special Type
U	Y	Double					

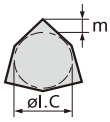
4.Chip Breaker and Hole

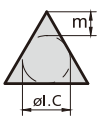
A P M T

2.Clearance Angle

Code	Clearance Angle	Code	Clearance Angle
A		B	
C		D	
E		F	
G		N	
P		O	Others

3.Tolerance





Code	m(mm)	d=I.C	S (mm)
A	±0.005	±0.025	±0.025
F	±0.005	±0.013	±0.025
C	±0.013	±0.025	±0.025
H	±0.013	±0.013	±0.025
E	±0.025	±0.025	±0.025
G	±0.025	±0.025	±0.13
J	±0.005	±0.05-±0.13	±0.025
K	±0.013	±0.05-±0.13	±0.025
L	±0.025	±0.05-±0.13	±0.025
M	±0.08-±0.18	±0.05-±0.13	±0.13
N	±0.08-±0.18	±0.05-±0.13	±0.025
U	±0.13-±0.38	±0.08-±0.25	±0.13

◆ Tolerance of Inscribed Circle(mm)

Inscribed Circle	Regular Triangle	Square	80° Rhombus	55° Rhombus	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	---	---	---	---

◆ Tolerance of Inscribed Circle(mm)

Inscribed Circle	Regular Triangle	Square	80° Rhombus	55° Rhombus	35° Rhombus	
6.35	±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	±0.10	±0.10	±0.10	±0.10	---	±0.10
19.05	±0.10	±0.10	±0.10	±0.10	---	±0.10
25.4	---	±0.13	---	---	---	±0.13

Inscribed Circle diameter (mm)	C	D	R	S	T	V	W
32.00			32				
31.75			31				
25.40			25	25			
25.00	25	25	25				
20.00			20				
19.05	19		19	19	33		
16.00		19	16				
15.875	16		15	16	27		
12.70	12	15	12	12	22	22	08
12.00			12				
10.00			10				
9.525	09	11	09	09	16	16	06
8.00			08				
6.35	06	07			11	11	
6.00			06				
5.56					09		
5.50			05				
3.97					06		

Insert Shape

5.Cutting Edge Length

Code	Thickness(mm)
12	12.70
10	11.11
T9	9.72
09	9.52
07	7.94
T6	6.75
06	6.35
05	5.56
T4	4.96
04	4.76
T3	3.97
03	3.18
T2	2.78
02	2.38
T1	1.98
01	1.59
T0	0.99
00	0.79

6.Thickness

16 04 PD E R - GM

7.Approach Angle/Relief Angle

A	45°	A	3°
D	60°	B	5°
E	75°	C	7°
F	85°	D	15°
P	90°	E	20°
Z	other	F	25°
		G	30°
		N	0°
		P	11°
		Z	other

8.Cutting Edge Code

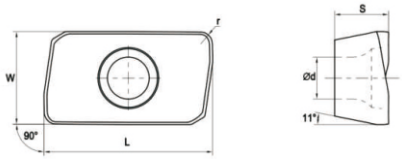
	a °	b	k(or no code)
F	0-5°	0-0.10	
E	1-10°	1-0.15	P
T	2-15°	2-0.20	W
S	3-20°	3-0.25	Q
	4-25°	4-0.30	
	5-30°	5-0.35	
	1-10°	6-0.40	
	1-10°	7-0.45	

9.Chip Breaker

10.Cutting Direction Cod

R	Right
L	Left
N	Neutral

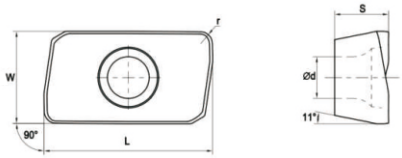
APㅁㅁ Inserts



Length	Size(mm)			
	L	W	S	r
11	11.35	6.2	3.5	0.8
16	17.35	9.3	5.26	0.8

Shape	Type	ap (mm)	fz (mm/z)	CVD		PVD									
				BK3020	BK3040	BP1015	BP1025	BM1824	BP1825	BM1525	BM1828	BS1010	BS1520	BS1525	BS1029
	APMT1135PDER-DL	2.50-7.50	0.05-0.25			○	●	○	●	●	○				
	APMT1604PDER-DL	3.50-10.00	0.07-0.50			○	●	○	●	●	○				

Note: ● The Recommended Grade ready to stock

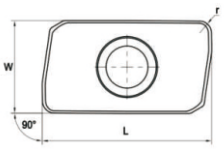


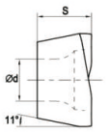
Length	Size(mm)			
	L	W	S	r
11	11.35	6.2	3.5	0.8
16	17.35	9.3	5.26	0.8

Shape	Type	ap (mm)	fz (mm/z)	CVD		PVD									
				BK3020	BK3040	BP1015	BP1025	BM1824	BP1825	BM1525	BM1828	BS1010	BS1520	BS1525	BS1029
	APMT1135PDER-GM	2.50-7.50	0.05-0.25			○	●	○	●	●	○				
	APMT1604PDER-GM	3.50-10.00	0.07-0.50			○	●	○	●	●	○				

Note: ● The Recommended Grade ready to stock

AP□□ Inserts

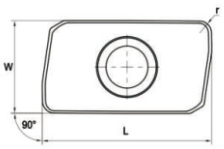


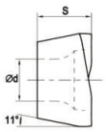


Length	Size(mm)			
	L	W	S	r
11	11.35	6.2	3.5	0.8
16	17.35	9.2	4.76	0.8

Shape	Type	ap (mm)	fz (mm/z)	CVD		PVD									
				BK3020	BK3040	BP1015	BP1025	BM1824	BP1825	BM1525	BM1828	BS1010	BS1520	BS1525	BS1029
	APMT1135PDER-M2	2.50-7.50	0.05-0.25			○	●	○	●	●	○				
	APMT1604PDER-M2	3.50-10.00	0.07-0.30			○	●	○	●	●	○				

Note: ● The Recommended Grade ready to stock



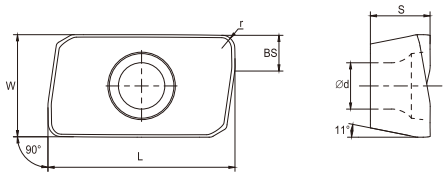


Length	Size(mm)			
	L	W	S	r
11	11.35	6.2	3.5	0.8
16	17.35	9.2	4.76	0.8

Shape	Type	ap (mm)	fz (mm/z)	CVD		PVD									
				BK3020	BK3040	BP1015	BP1025	BM1824	BP1825	BM1525	BM1828	BS1010	BS1520	BS1525	BS1029
	APMT1135PDER-H2	2.50-7.50	0.05-0.25			○	●	○	●	●	○				
	APMT1604PDER-H2	3.50-10.00	0.07-0.30			○	●	○	●	●	○				

Note: ● The Recommended Grade ready to stock

AD□□Inserts

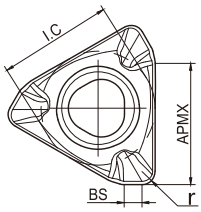


Length	Size(mm)				
	L	W	S	BS	r
11	11	6.7	3.8	1.4–2.1	0.2–1.2

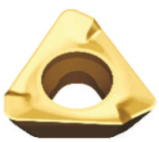
Shape	Type	ap (mm)	fz (mm/z)	CVD		PVD								
				BK3020	BK3040	BP1015	BP1025	BM1824	BP1825	BM1525	BM1828	BS1010	BS1520	BS1525	BS1029
	ADMT11T302ER–JT	2.0–6.0	0.06–0.15			○	●	○	●	●	○				
	ADMT11T304ER–JT	2.2–8.0	0.08–0.15			○	●	○	●	●	○				
	ADMT11T308ER–JT	2.5–10.0	0.10–0.18			○	●	○	●	●	○				
	ADMT11T312ER–JT	2.8–10.0	0.08–0.20			○	●	○	●	●	○				
	ADMT170408ER–JT	3.5–10.0	0.08–0.25			○	●	○	●	●	○				

Note: ● The Recommended Grade ready to stock

3P□□Inserts

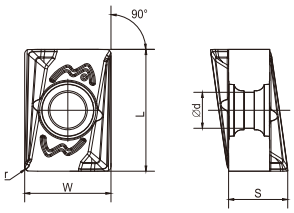


Length	Size(mm)				
	IC	S	APMX	BS	r
4	3.9	2.1	3.5	0.5–0.7	0.2–0.4
6	5.3	2.8	4.7	0.6–1.2	0.2–0.8
10	6.9	4	7	0.5–1.3	0.4–1.6
15	10.7	5	11	0.5–2.0	0.4–2.4
19	13.5	6	15	0.5–2.0	0.4–3.2

Shape	Type	ap (mm)	fz (mm/z)	CVD		PVD								
				BK3020	BK3040	BP1015	BP1025	BM1824	BP1825	BM1525	BM1828	BS1010	BS1520	BS1525	BS1029
	3PKT040202R-M	0.50–3.00	0.04–0.08			○	●	○	●	●	○				
	3PKT040204R-M	0.50–3.00	0.04–0.08			○	●	○	●	●	○				
	3PKT060302R-M	1.00–4.00	0.04–0.10			○	●	○	●	●	○				
	3PKT060304R-M	1.00–4.00	0.04–0.10			○	●	○	●	●	○				
	3PKT060308R-M	1.00–4.00	0.04–0.10			○	●	○	●	●	○				
	3PKT100404R-M	2.00–6.00	0.05–0.12			○	●	○	●	●	○				
	3PKT100408R-M	2.00–6.00	0.05–0.12			○	●	○	●	●	○				
	3PKT100416R-M	2.00–6.00	0.05–0.12			○	●	○	●	●	○				
	3PKT150508R-M	3.00–9.00	0.07–0.17			○	●	○	●	●	○				
	3PKT150516R-M	3.00–9.00	0.07–0.17			○	●	○	●	●	○				
	3PKT150524R-M	3.00–12.00	0.07–0.17			○	●	○	●	●	○				
	3PKT190608R-M	4.50–12.00	0.09–0.22			○	●	○	●	●	○				
	3PKT190616R-M	4.50–12.00	0.09–0.22			○	●	○	●	●	○				
	3PKT190624R-M	4.50–12.00	0.09–0.22			○	●	○	●	●	○				
	3PKT190632R-M	4.50–12.00	0.09–0.22			○	●	○	●	●	○				

Note: ● The Recommended Grade ready to stock

AN□□Inserts

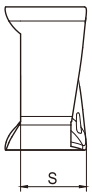


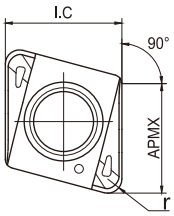
Length	Size(mm)					
	L	W	S	APMX	BS	r
11	11.85	8.4	5.7			0.4–0.8
15	15.430	11	7.3			0.8–1.6

Shape	Type	ap (mm)	fz (mm/z)	CVD		PVD									
				BK3020	BK3040	BP1015	BP1025	BM1824	BP1825	BM1525	BM1828	BS1010	BS1520	BS1525	BS1029
	ANMX110504PNR	2.00–9.00	0.10–0.20			○	●	○	●	●	○				
	ANMX110508PNR	3.00–9.00	0.10–0.20			○	●	○	●	●	○				
	ANMX150608PNR	4.50–12.00	0.10–0.20			○	●	○	●	●	○				
	ANMX150616PNR	5.00–12.00	0.10–0.20			○	●	○	●	●	○				

Note: ● The Recommended Grade ready to stock

4N□□Inserts



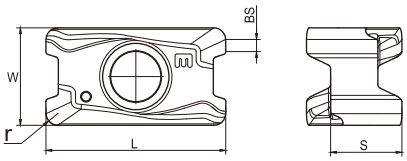


Length	Size(mm)				
	IC	S	APMX	BS	r
4	4	3.1	3.5	–	0.2–0.8
6	6.6	4.2–5.0	5.8–6.2	0.6–1.0	0.4–2.0
9	8.6	5.7–6.3	8	0.8–1.2	0.4–1.6
11	10.7	8.1	10.5	1	0.8
14	14	9.2–9.4	13.5–13.8	1.25	0.8

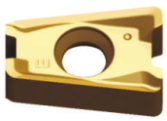
Shape	Type	ap (mm)	fz (mm/z)	CVD		PVD									
				BK3020	BK3040	BP1015	BP1025	BM1824	BP1825	BM1525	BM1828	BS1010	BS1520	BS1525	BS1029
	4NKT040202R-M	0.50–3.00	0.04–0.08			○	●	○	●	●	○				
	4NKT040204R-M	1.00–3.00	0.06–0.12			○	●	○	●	●	○				
	4NKT040208R-M	1.00–3.00	0.06–0.12			○	●	○	●	●	○				
	4NKT060304R-M	0.50–5.00	0.07–0.15			○	●	○	●	●	○				
	4NKT060308R-M	1.00–5.00	0.07–0.15			○	●	○	●	●	○				
	4NKT060312R-M	1.00–5.00	0.07–0.15			○	●	○	●	●	○				
	4NKT060316R-M	2.00–4.50	0.07–0.15			○	●	○	●	●	○				
	4NKT060320R-M	2.00–4.50	0.07–0.15			○	●	○	●	●	○				
	4NKT090408R-M	2.50–7.00	0.07–0.15			○	●	○	●	●	○				
	4NKT090416R-M	2.50–7.00	0.07–0.15			○	●	○	●	●	○				
	4NKT110608R-M	3.50–10.0	0.09–0.15			○	●	○	●	●	○				

Note: ● The Recommended Grade ready to stock

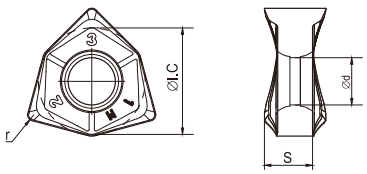
LN□□ Inserts



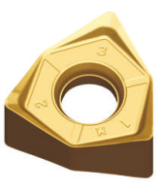
Length	Size(mm)				
	L	S	W	BS	r
11	12.16	4.83	6.6	1.4	0.4–1.2

Shape	Type	ap (mm)	fz (mm/z)	CVD		PVD									
				BK3020	BK3040	BP1015	BP1025	BM1824	BP1825	BM1525	BM1828	BS1010	BS1520	BS1525	BS1029
	LNGU110404ERGE-GM	max=10	0.50–1.50			○	●	○	●	●	○				
	LNGU110408ERGE-GM	max=10	0.50–1.50			○	●	○	●	●	○				
	LNGU110412ERGE-GM	max=10	0.50–1.50			○	●	○	●	●	○				

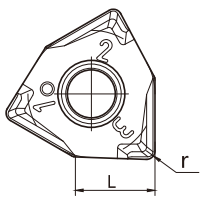
WN□□Inserts

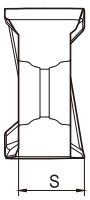


Length	Size(mm)		
	S	d	r
8	6.65	6.2	0.8
5	4.2	3.4	0.8

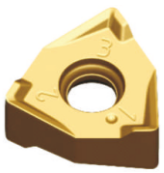
Shape	Type	ap (mm)	fz (mm/z)	CVD		PVD									
				BK3020	BK3040	BP1015	BP1025	BM1824	BP1825	BM1525	BM1828	BS1010	BS1520	BS1525	BS1029
	WNMU050408EN-GM	0.50–5.00	0.10–0.30			○	●	○	●	●	○				
	WNMU080608EN-GM	0.80–8.00	0.10–0.30			○	●	○	●	●	○				

XN□□ Inserts

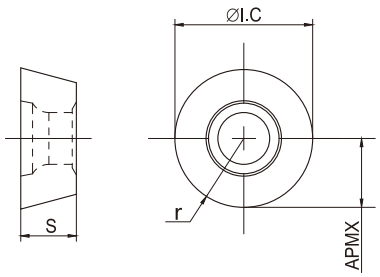




Length	Size(mm)	
	L	S
08	7.5	6.45

Shape	Type	ap (mm)	fz (mm/z)	CVD		PVD									
				BK3020	BK3040	BP1015	BP1025	BM1824	BP1825	BM1525	BM1828	BS1010	BS1520	BS1525	BS1029
	XNEX080608TR-GL	0.80-8.00	0.10-0.30			○	●	○	●	●	○				
	XNEX080612TR-GL	0.80-8.00	0.10-0.30			○	●	○	●	●	○				
	XNEX080608TR-GM	0.80-8.00	0.10-0.30			○	●	○	●	●	○				

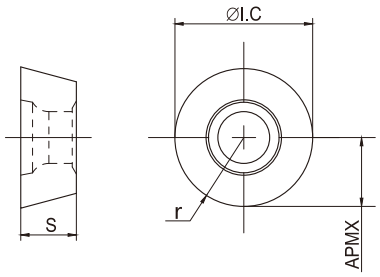
RP□□ Inserts



Length	Size(mm)			
	r	I.C	S	APMX
8	4	8	2.78	4
10	5	10	3.18	5
12	6	12	4.76	6

Shape	Type	ap (mm)	fz (mm/z)	CVD		PVD									
				BK3020	BK3040	BP1015	BP1025	BM1824	BP1825	BM1525	BM1828	BS1010	BS1520	BS1525	BS1029
	RPMW08T2MO	1.00–3.00	0.05–0.25			○	●	○	●	●	○				
	RPMW1003MO	1.50–4.00	0.05–0.30			○	●	○	●	●	○				
	RPMW1204MO	1.50–5.00	0.05–0.35			○	●	○	●	●	○				

Note: ● The Recommended Grade ready to stock

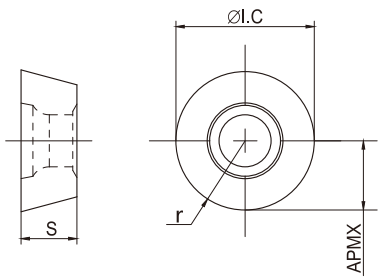


Length	Size(mm)			
	r	I.C	S	APMX
8	4	8	2.78	4
10	5	10	3.97	5
12	6	12	4.76	6
16	8	16	6.35	8

Shape	Type	ap (mm)	fz (mm/z)	CVD		PVD									
				BK3020	BK3040	BP1015	BP1025	BM1824	BP1825	BM1525	BM1828	BS1010	BS1520	BS1525	BS1029
	RPMT08T2MOE-JM	1.00–1.30	0.05–0.25			○	●	○	●	●	○				
	RPMT10T3MOE-JM	1.50–4.00	0.05–0.30			○	●	○	●	●	○				
	RPMT1204MOE-JM	1.50–5.00	0.05–0.35			○	●	○	●	●	○				
	RPMT1606MOE-JM	2.00–6.50	0.10–0.40			○	●	○	●	●	○				

Note: ● The Recommended Grade ready to stock

RP□□ Inserts

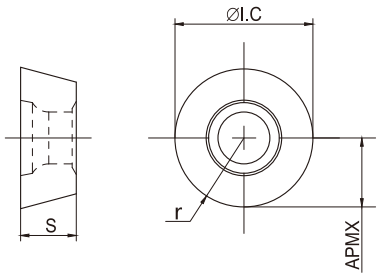


Length	Size(mm)			
	r	I.C	S	APMX
8	4	8	2.78	4
10	5	10	3.18	5
12	6	12	4.76	6

Shape	Type	ap (mm)	fz (mm/z)	CVD		PVD								
				BK3020	BK3040	BP1015	BP1025	BM1824	BP1825	BM1525	BM1828	BS1010	BS1520	BS1525	BS1029
	RPMT08T2MO-GM	1.50-4.00	0.10-0.30			○	●	○	●	●	○				
	RPMT10T3MO-GM	1.80-5.00	0.10-0.50			○	●	○	●	●	○				
	RPMT1204MO-GM	2.00-6.50	0.10-0.50			○	●	○	●	●	○				

Note: ● The Recommended Grade ready to stock

RD□□ Inserts

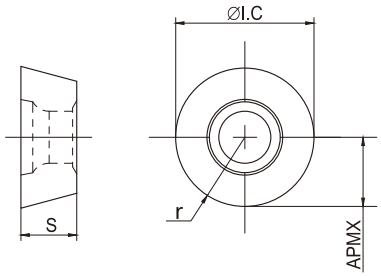


Length	Size(mm)			
	r	I.C	S	APMX
8	4	8	3.18	4
10	5	10	3.97	5
12	6	12	4.76	6
16	8	16	5.56	8
20	10	20	6.35	10

Shape	Type	ap (mm)	fz (mm/z)	CVD		PVD									
				BK3020	BK3040	BP1015	BP1025	BM1824	BP1825	BM1525	BM1828	BS1010	BS1520	BS1525	BS1029
	RDKT0803MO	1.00–3.00	0.05–0.25			○	●	○	●	●	○				
	RDKT10T3MO	1.50–4.00	0.05–0.30			○	●	○	●	●	○				
	RDKT1204MO	1.50–5.00	0.05–0.35			○	●	○	●	●	○				
	RDKT1604MO	2.00–6.50	0.10–0.40			○	●	○	●	●	○				
	RDKT1605MO	2.00–6.50	0.10–0.40			○	●	○	●	●	○				
	RDKT1606MO	2.00–6.50	0.10–0.40			○	●	○	●	●	○				
	RDKT2006MO	3.00–8.00	0.10–0.40			○	●	○	●	●	○				

Note: ● The Recommended Grade ready to stock

RP□□ Inserts

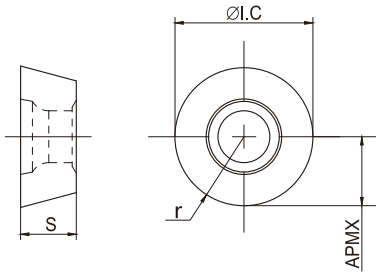


Length	Size(mm)			
	r	I.C	S	APMX
8	4	8	2.78	4
10	5	10	3.97	5
12	6	12	4.76	6

Shape	Type	ap (mm)	fz (mm/z)	CVD		PVD								
				BK3020	BK3040	BP1015	BP1025	BM1824	BP1825	BM1525	BM1828	BS1010	BS1520	BS1525	BS1029
	RPMT0803-XR	1.00-1.30	0.05-0.25			○	●	○	●	●	○				
	RPMT10T3-XR	1.50-4.00	0.05-0.30			○	●	○	●	●	○				
	RPMT1204-XR	1.50-5.00	0.05-0.35			○	●	○	●	●	○				

Note: ● The Recommended Grade ready to stock

RP□□ Inserts

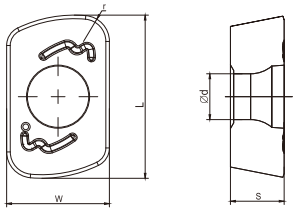


Length	Size(mm)			
	r	I.C	S	APMX
8	4	8	2.78	4
10	5	10	3.97	5
12	6	12	4.76	6

Shape	Type	ap (mm)	fz (mm/z)	CVD		PVD									
				BK3020	BK3040	BP1015	BP1025	BM1824	BP1825	BM1525	BM1828	BS1010	BS1520	BS1525	BS1029
	RPMT08T2MO	1.5–4.0	0.1–0.3			○	●	○	●	●	○				
	RPMT10T3MO	1.8–5.0	0.1–0.5			○	●	○	●	●	○				
	RPMT1204MO	2–6.5	0.1–0.5			○	●	○	●	●	○				

Note: ● The Recommended Grade ready to stock

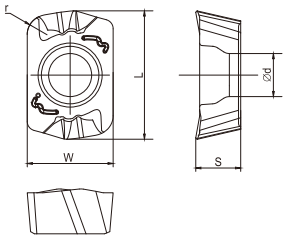
EP□□ Inserts



Size(mm)				
W	S	d	L	r
6.28	3.18	2.8	9.79	1.6

Shape	Type	ap (mm)	fz (mm/z)	CVD		PVD								
				BK3020	BK3040	BP1015	BP1025	BM1824	BP1825	BM1525	BM1828	BS1010	BS1520	BS1525	BS1029
	EPNW0603TN-GH	max=1.5	0.15-0.50			○	●	○	●	●	○				

LP□□ Inserts

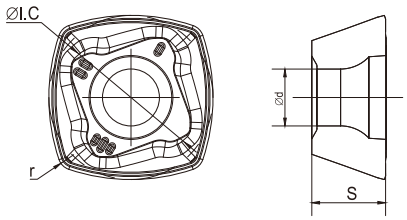


Size(mm)				
W	S	d	L	r
4.19	2.19	2.1	6.26	1

Shape	Type	ap (mm)	fz (mm/z)	CVD		PVD								
				BK3020	BK3040	BP1015	BP1025	BM1824	BP1825	BM1525	BM1828	BS1010	BS1520	BS1525	BS1029
	LPGT010210ER-GM	max=1	0.50-1.50			○	●	○	●	●	○				

Note: ● The Recommended Grade ready to stock

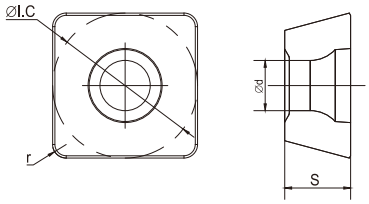
SD□□ Inserts



Length	Size(mm)		
	I.C	S	r
12	12.7	5.56	1.2
15	15.875	5.56	1.2

Shape	Type	ap (mm)	fz (mm/z)	CVD		PVD									
				BK3020	BK3040	BP1015	BP1025	BM1824	BP1825	BM1525	BM1828	BS1010	BS1520	BS1525	BS1029
	SDMT120512-GM	0.50-2.00	0.60-1.20			○	●	○	●	●	○				
	SDMT150512-GM	0.80-3.00	0.60-1.20			○	●	○	●	●	○				
						○	●	○	●	●	○				
						○	●	○	●	●	○				

Note: ● The Recommended Grade ready to stock

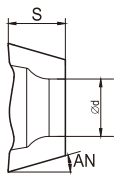


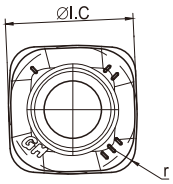
Length	Size(mm)		
	I.C	S	r
6	6.35	2.58	0.8
9	9.525	3.97	1.2
12	12.7	4.76	1.2
15	15.875	5.56	2

Shape	Type	ap (mm)	fz (mm/z)	CVD		PVD									
				BK3020	BK3040	BP1015	BP1025	BM1824	BP1825	BM1525	BM1828	BS1010	BS1520	BS1525	BS1029
	SDMT06T208-GH	0.50-1.20	0.50-1.00			○	●	○	●	●	○				
	SDMT09T312-GH	0.50-1.80	0.50-1.00			○	●	○	●	●	○				
	SDMT120412-GH	0.50-2.00	0.60-1.20			○	●	○	●	●	○				
	SDMT150520-GH	0.80-3.00	0.60-1.20			○	●	○	●	●	○				

Note: ● The Recommended Grade ready to stock

SO□□ Inserts

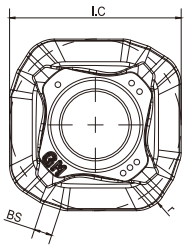


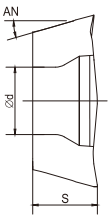


Length	Size(mm)				
	I.C	S	d	r	AN(°)
10	10.3	4.58	4.6	2	16

Shape	Type	ap (mm)	fz (mm/z)	CVD		PVD								
				BK3020	BK3040	BP1015	BP1025	BM1824	BP1825	BM1525	BM1828	BS1010	BS1520	BS1525	BS1029
	SOMT100420ER-GM	0.10-1.20	0.20-2.00			○	●	○	●	●	○				

Note: ● The Recommended Grade ready to stock



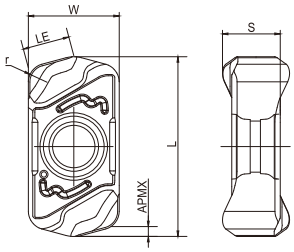


Length	Size(mm)					
	I.C	S	d	BS	r	AN(°)
14	14.76	5.56	5.8	1.6	2	16

Shape	Type	ap (mm)	fz (mm/z)	CVD		PVD								
				BK3020	BK3040	BP1015	BP1025	BM1824	BP1825	BM1525	BM1828	BS1010	BS1520	BS1525	BS1029
	SOMT140520ER-GH	0.50-2.00	0.42-2.00			○	●	○	●	●	○				

Note: ● The Recommended Grade ready to stock

LN□□ Inserts

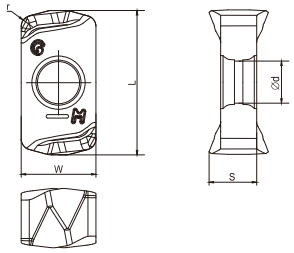


Length	Size(mm)				
	r	APMX	L	I.C	S
3	1.2	1	3.2	6	4.3

Shape	Type	ap (mm)	fz (mm/z)	CVD		PVD									
				BK3020	BK3040	BP1015	BP1025	BM1824	BP1825	BM1525	BM1828	BS1010	BS1520	BS1525	BS1029
	LNMU0303ZER-GM	0.20-2.00	0.50-1.30			○	●	○	●	●	○				

Note: ● The Recommended Grade ready to stock

LO□□Inserts

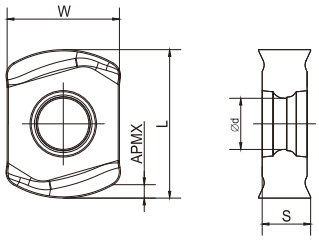


Length	Size(mm)				
	W	S	d	L	r
3	6.2	3.96	3.45	11.9	1

Shape	Type	ap (mm)	fz (mm/z)	CVD		PVD									
				BK3020	BK3040	BP1015	BP1025	BM1824	BP1825	BM1525	BM1828	BS1010	BS1520	BS1525	BS1029
	LOGU030310ER-GM	max=1	0.50-1.50			○	●	○	●	●	○				

Note: ● The Recommended Grade ready to stock

BL□□ Inserts



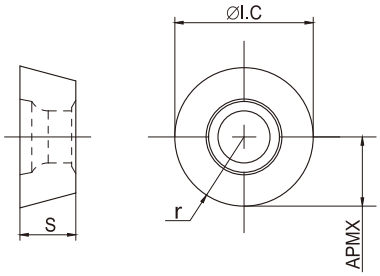
Length	Size(mm)			
	L	W	S	APMX
4	6	4.2	2.5	0.5
6	9	6.39	3.73	1
9	11.9	9.18	4.8	1.5
11	14.6	11.2	6.5	2

Shape	Type	ap (mm)	fz (mm/z)	CVD		PVD									
				BK3020	BK3040	BP1015	BP1025	BM1824	BP1825	BM1525	BM1828	BS1010	BS1520	BS1525	BS1029
	BLMP0402R-GM	0.10-0.50	0.20-1.50			○	●	○	●	●	○				
	BLMP0603R-GM	0.10-1.00	0.30-2.50			○	●	○	●	●	○				
	BLMP0904R-GM	0.10-1.50	0.30-3.50			○	●	○	●	●	○				
	BLMP1105R-GM	0.30-2.00	0.30-4.00			○	●	○	●	●	○				

Note: ● The Recommended Grade ready to stock

Heat Resistant Alloys / Titanium Alloys

RP□□ Inserts

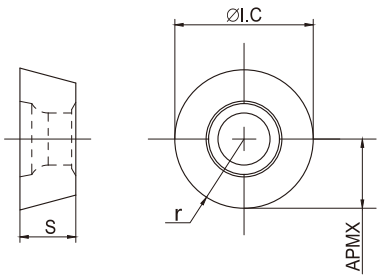


Length	Size(mm)			
	r	I.C	S	APMX
10	5	10	3.97	5
12	6	12	4.76	6

Shape	Type	ap (mm)	fz (mm/z)	CVD				PVD								
				BK3115	BP4213	BP4223	BP4235	BP1025	BM1525	BM1828	BM1824	BS1520	BS1610	BS1525	BS1632	BS1029
	RPHX10T3-DF	1.50-4.00	0.05-0.30											●	●	○
	RPHX1204-DF	1.50-5.00	0.05-0.35											●	●	○

Note: ● The Recommended Grade ready to stock

RP□□ Inserts



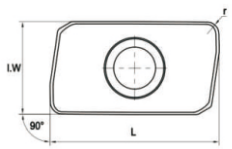
Length	Size(mm)			
	r	I.C	S	APMX
10	5	10	3.18	5
12	6	12	4.76	6

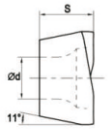
Shape	Type	ap (mm)	fz (mm/z)	CVD				PVD								
				BK3115	BP4213	BP4223	BP4235	BP1025	BM1525	BM1828	BM1824	BS1520	BS1610	BS1525	BS1632	BS1029
	RPHX10T3-DM	1.80-5.00	0.10-0.50											●	●	○
	RPHX1204-DM	2.00-6.50	0.10-0.50											●	●	○

Note: ● The Recommended Grade ready to stock

Heat Resistant Alloys / Titanium Alloys

APㅁㅁ Inserts



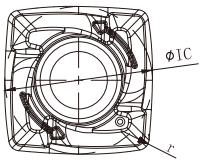


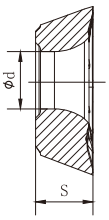
Length	Size(mm)			
	L	W	S	r
11	11.4	6.2	3.5	0.8
16	17.25	9.2	4.76	0.8、3

Shape	Type	ap (mm)	fz (mm/z)	CVD				PVD								
				BK3115	BP4213	BP4223	BP4235	BP1025	BM1525	BM1828	BM1824	BS1520	BS1610	BS1525	BS1632	BS1029
	APMT1135PDER-DF	2.5-7.5	0.05-0.25											●	●	○
	APMT160408PDER-DF	3.5-10	0.07-0.5											●	●	○
	APMT160430PDER-DF	5.0-10	0.2-0.5											●	●	○
	APMT1135PDER-DM	2.5-7.5	0.05-0.35											●	●	○
	APMT160408PDER-DM	3.5-10	0.2-0.7											●	●	○

Note: ● The Recommended Grade ready to stock

SDㅁㅁ Inserts





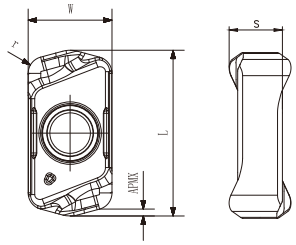
Length	Size(mm)		
	I.C	S	r
6	6.35	2.78	0.5
9	9	3.5	0.7

Shape	Type	ap (mm)	fz (mm/z)	CVD				PVD								
				BK3115	BP4213	BP4223	BP4235	BP1025	BM1525	BM1828	BM1824	BS1520	BS1610	BS1525	BS1632	BS1029
	SDMT06T205-DM		0.1-1.0											●	●	○
	SDMT09T307-DM		0.2-1.2											●	●	○

Note: ● The Recommended Grade ready to stock

Heat Resistant Alloys / Titanium Alloys

LN□□ Inserts

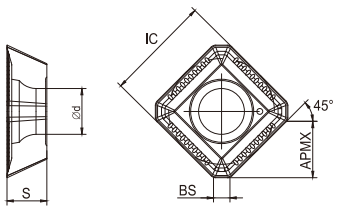


Length	Size(mm)				
	W	S	APMX	L	r
3	6	3.75	1	11.8	1.2

Shape	Type	ap (mm)	fz (mm/z)	CVD				PVD								
				BK3115	BP4213	BP4223	BP4235	BP1025	BM1525	BM1828	BM1824	BS1520	BS1610	BS1525	BS1632	BS1029
	LNMU0303ZER-MS	0.2-2.0	0.5-1.3											●	●	○

Note: ● The Recommended Grade ready to stock

SE□□ Inserts

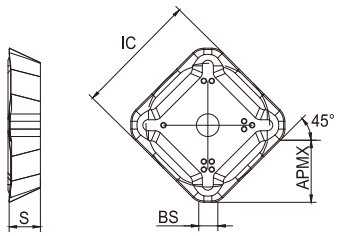


Length	Size(mm)			
	BS	APMX	I.C	S
12	1.5	6.5	12.7	4.76

Shape	Type	ap (mm)	fz (mm/z)	CVD		PVD									
				BK3020	BK3040	BP1015	BP1025	BM1824	BP1825	BM1525	BM1828	BS1010	BS1520	BS1525	BS1029
	SEMT1204AFTN-GM	3.00-8.50	0.09-0.16			○	●	○	●	●	○				

Note: ● The Recommended Grade ready to stock

SE□□ Inserts

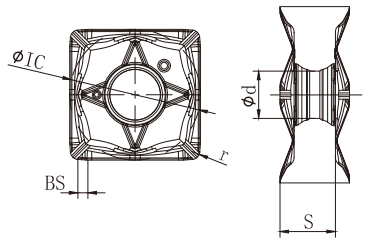


Length	Size(mm)			
	BS	APMX	I.C	S
12	1.5	6.5	12.7	3.19
15	2	8.5	15.875	4.76

Shape	Type	ap (mm)	fz (mm/z)	CVD		PVD									
				BK3020	BK3040	BP1015	BP1025	BM1824	BP1825	BM1525	BM1828	BS1010	BS1520	BS1525	BS1029
	SEER1203-GM	1.50-6.00	0.10-0.25			○	●	○	●	●	○				
	SEER1504-GM	1.50-8.00	0.10-0.25			○	●	○	●	●	○				

Note: ● The Recommended Grade ready to stock

SN□□ Inserts

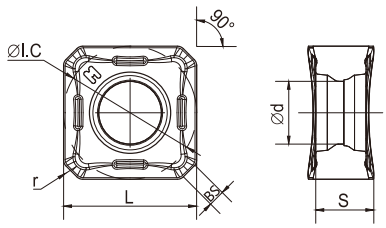


Length	Size(mm)			
	I.C	S	BS	r
13	13	5.5	1	0.8

Shape	Type	ap (mm)	fz (mm/z)	CVD		PVD								
				BK3020	BK3040	BP1015	BP1025	BM1824	BP1825	BM1525	BM1828	BS1010	BS1520	BS1525	BS1029
	SNMU130508EN-GM	1.0-5.0	0.1-0.25			○	●	○	●	●	○				

Note: ● The Recommended Grade ready to stock

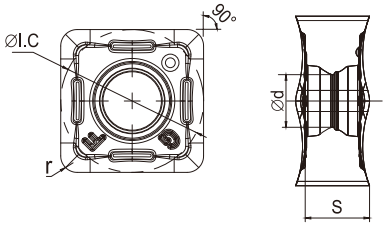
SN□□ Inserts



Length	Size(mm)		
	I.C	S	BS
12	12.7	6.4	1.5
16	16	7.7	1.8

Shape	Type	ap (mm)	fz (mm/z)	CVD		PVD									
				BK3020	BK3040	BP1015	BP1025	BM1824	BP1825	BM1525	BM1828	BS1010	BS1520	BS1525	BS1029
	SNMX1205ANN-GM	1.00-6.00	0.15-0.50			○	●	○	●	●	○				
	SNMX1606ANN-GM	1.00-6.00	0.15-0.50			○	●	○	●	●	○				

Note: ● The Recommended Grade ready to stock

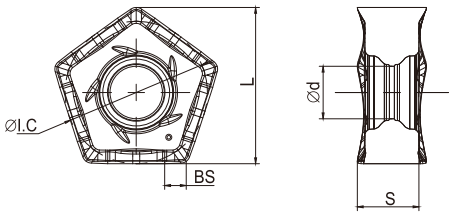


Length	Size(mm)		
	I.C	S	r
9	9.525	5.5	0.8-1.1

Shape	Type	ap (mm)	fz (mm/z)	CVD		PVD									
				BK3020	BK3040	BP1015	BP1025	BM1824	BP1825	BM1525	BM1828	BS1010	BS1520	BS1525	BS1029
	SNGX090408-GF	2.50-7.50	0.08-0.15			○	●	○	●	●	○				
	SNGX090411-GF	2.50-7.50	0.08-0.15			○	●	○	●	●	○				

Note: ● The Recommended Grade ready to stock

PN□□ Inserts

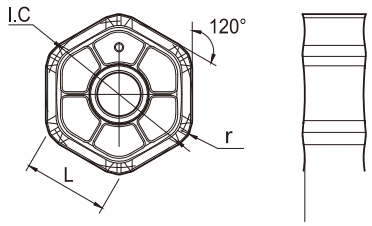


Length	Size(mm)				
	L	S	d	BCH	BS
09	12.2	13.4	5.35	4.5	2

Shape	Type	ap (mm)	fz (mm/z)	CVD		PVD									
				BK3020	BK3040	BP1015	BP1025	BM1824	BP1825	BM1525	BM1828	BS1010	BS1520	BS1525	BS1029
	PNCU0905GNEN-GM	0.50-3.00	0.20-0.60			○	●	○	●	●	○				

Note: ● The Recommended Grade ready to stock

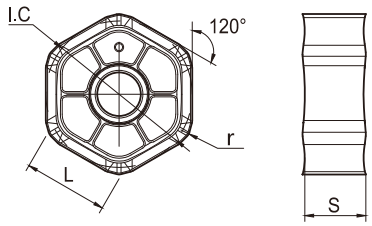
HN□□ Inserts



Length	Size(mm)		
	I.C	S	r
9	15.875	5.56	1.2

Shape	Type	ap (mm)	fz (mm/z)	CVD		PVD									
				BK3020	BK3040	BP1015	BP1025	BM1824	BP1825	BM1525	BM1828	BS1010	BS1520	BS1525	BS1029
	HNMG0907ANSN-R	1.50-4.00	0.20-0.70			○	●	○	●	●	○				

Note: ● The Recommended Grade ready to stock

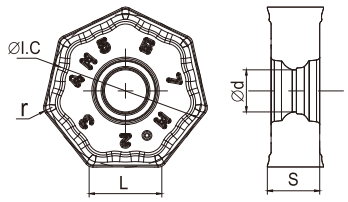


Length	Size(mm)		
	I.C	S	r
9	15.875	5.56	1.2

Shape	Type	ap (mm)	fz (mm/z)	CVD		PVD									
				BK3020	BK3040	BP1015	BP1025	BM1824	BP1825	BM1525	BM1828	BS1010	BS1520	BS1525	BS1029
	HNMG0907ANSN-M	1.00-3.00	0.05-0.15			○	●	○	●	●	○				

Note: ● The Recommended Grade ready to stock

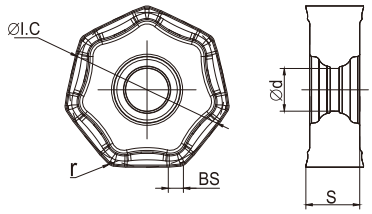
XN□□ Inserts



Length	Size(mm)			
	I.C	S	d	r
7	12	5.8	4	0.8

Shape	Type	ap (mm)	fz (mm/z)	CVD		PVD									
				BK3020	BK3040	BP1015	BP1025	BM1824	BP1825	BM1525	BM1828	BS1010	BS1520	BS1525	BS1029
	XNMU070508-MM	0.2-3.0	0.05-0.2			○	●	○	●	●	○				

Note: ● The Recommended Grade ready to stock

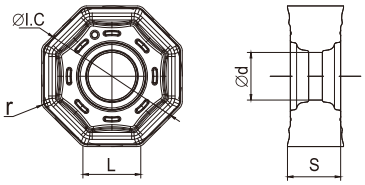


Length	Size(mm)				
	I.C	S	d	BS	r
7	12	5.8	4	1.5	0.8

Shape	Type	ap (mm)	fz (mm/z)	CVD		PVD									
				BK3020	BK3040	BP1015	BP1025	BM1824	BP1825	BM1525	BM1828	BS1010	BS1520	BS1525	BS1029
	XNMU090612-GR	0.3-3.0	0.05-0.3			○	●	○	●	●	○				

Note: ● The Recommended Grade ready to stock

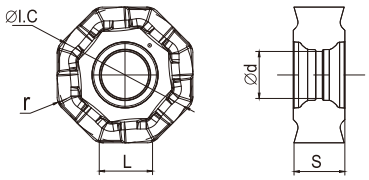
ON□□ Inserts



Length	Size(mm)		
	I.C	S	r
05	12.7	4.76	0.8

Shape	Type	ap (mm)	fz (mm/z)	CVD		PVD									
				BK3020	BK3040	BP1015	BP1025	BM1824	BP1825	BM1525	BM1828	BS1010	BS1520	BS1525	BS1029
	ONHU050408-AR	0.8-3.5	0.2-0.35			○	●	○	●	●	○				

Note: ● The Recommended Grade ready to stock

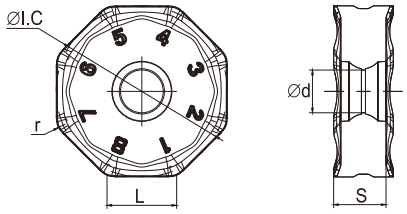


Length	Size(mm)		
	I.C	S	r
05	12.7	4.76	0.8

Shape	Type	ap (mm)	fz (mm/z)	CVD		PVD									
				BK3020	BK3040	BP1015	BP1025	BM1824	BP1825	BM1525	BM1828	BS1010	BS1520	BS1525	BS1029
	ONHU050408-AF	0.5-2.5	0.1-0.25			○	●	○	●	●	○				

Note: ● The Recommended Grade ready to stock

ON□□ Inserts

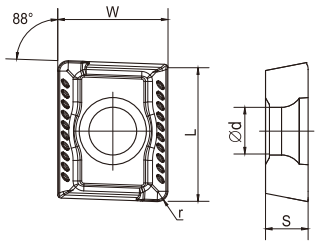


Length	Size(mm)		
	I.C	S	BS
09	22	5.8	0.45
09	22	5.8	2.11

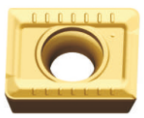
Shape	Type	ap (mm)	fz (mm/z)	CVD		PVD									
				BK3020	BK3040	BP1015	BP1025	BM1824	BP1825	BM1525	BM1828	BS1010	BS1520	BS1525	BS1029
	ONMU090520ANTN-GM	0.80-2.50	0.10-0.20			○	●	○	●	●	○				
	ONMU090520ANTN-GR	1.00-3.50	0.10-0.20			○	●	○	●	●	○				

Note: ● The Recommended Grade ready to stock

AP□□ Inserts

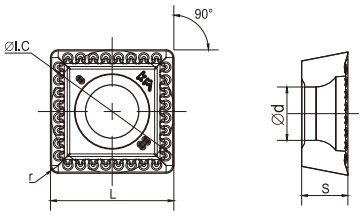


Length	Size(mm)				
	L	W	S	d	r
12	16.33	12.7	4.76	5.4	1.2
15	16.33	12.7	4.76	5.4	1.2

Shape	Type	ap (mm)	fz (mm/z)	CVD		PVD									
				BK3020	BK3040	BP1015	BP1025	BM1824	BP1825	BM1525	BM1828	BS1010	BS1520	BS1525	BS1029
	APKT150412-PM	1.2-8	0.08-0.2			○	●	○	●	●	○				
	APKT150415-KM	1.2-8	0.08-0.2			○	●	○	●	●	○				

Note: ● The Recommended Grade ready to stock

SP□□ Inserts

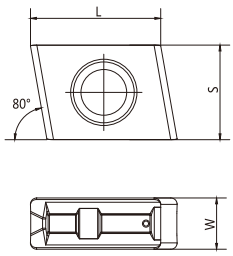


Length	Size(mm)				
	r	L	I.C	S	d
12	0.8	12.7	12.7	4.76	5.5

Shape	Type	ap (mm)	fz (mm/z)	CVD		PVD									
				BK3020	BK3040	BP1015	BP1025	BM1824	BP1825	BM1525	BM1828	BS1010	BS1520	BS1525	BS1029
	SPMT120408-PM	1.00-6.00	0.06-0.15			○	●	○	●	●	○				
	SPMT120408-KM	1.00-6.00	0.06-0.15			○	●	○	●	●	○				

Note: ● The Recommended Grade ready to stock

CN□□ Inserts

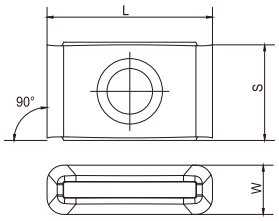


Type	Size(mm)		
	L	S	W
160608T	16	12	6.4

Shape	Type	ap (mm)	fz (mm/z)	CVD		PVD								
				BK3020	BK3040	BP1015	BP1025	BM1824	BP1825	BM1525	BM1828	BS1010	BS1520	BS1525	BS1029
	CNHX160608T	1.20–5.50	0.20–0.60			○	●	○	●	●	○				

Note: ● The Recommended Grade ready to stock

LN□□ Inserts

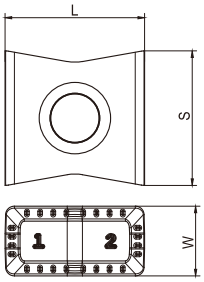


Type	Size(mm)		
	L	S	W
16090416	16	9.5	4.76

Shape	Type	ap (mm)	fz (mm/z)	CVD		PVD								
				BK3020	BK3040	BP1015	BP1025	BM1824	BP1825	BM1525	BM1828	BS1010	BS1520	BS1525	BS1029
	LNKT16090416	1.60–12.00	0.15–0.50			○	●	○	●	●	○				

Note: ● The Recommended Grade ready to stock

LN□□ Inserts

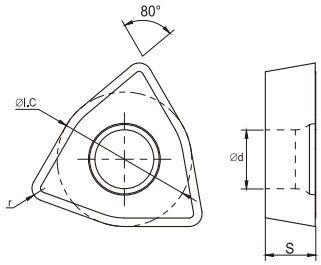


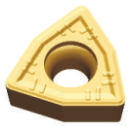
Type	Size(mm)		
	L	S	W
120608	12.7	12.25	6.35

Shape	Type	ap (mm)	fz (mm/z)	CVD		PVD									
				BK3020	BK3040	BP1015	BP1025	BM1824	BP1825	BM1525	BM1828	BS1010	BS1520	BS1525	BS1029
	LNKX120608	2.00–7.00	0.10–0.20			○	●	○	●	●	○				

Note: ● The Recommended Grade ready to stock

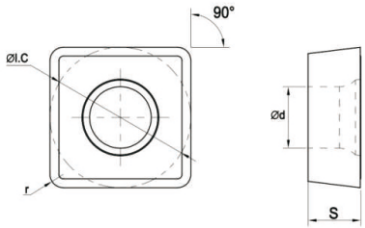
WC□□ Inserts



Shape	Type	Boring Range (mm)	Size					Application	Grade	
			L	øI.C	S	Φd	r		PVD	
									BP1025	BP1825
	WCMT030208-GM	16-20	3.8	5.56	2.38	2.8	0.8	Semi-finishing	●	●
	WCMT040208-GM	21-25	4.3	6.35	2.38	3.1	0.8		●	●
	WCMT050308-GM	26-30	5.4	7.94	3.18	3.2	0.8		●	●
	WCMT06T308-GM	31-41	6.5	9.525	3.97	3.7	0.8		●	●
	WCMT080412-GM	42-58	8.7	12.7	4.76	4.3	1.2		●	●
	WCMT030208-GF	16-20	3.8	5.56	2.38	2.8	0.8	Finishing	●	●
	WCMT040208-GF	21-25	4.3	6.35	2.38	3.1	0.8		●	●
	WCMT050308-GF	26-30	5.4	7.94	3.18	3.2	0.8		●	●
	WCMT06T308-GF	31-41	6.5	9.525	3.97	3.7	0.8		●	●
	WCMT080412-GF	42-58	8.7	12.7	4.76	4.3	1.2		●	●

Note: ● The Recommended Grade ready to stock

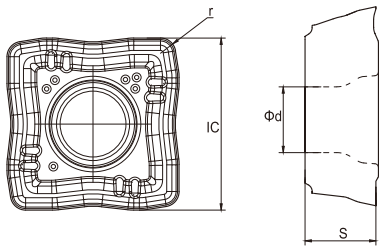
SP□□ Inserts



Shape	Type	Boring Range (mm)	Size					Application	Grade	
			L	øI.C	S	Φd	r		PVD	
									BP1025	BP1825
	SPMT050204-GM	12.5-15	5	5	2.38	2.2	0.4	Semi-finishing	●	●
	SPMT060204-GM	15.5-21.5	6	6	2.38	2.6	0.4		●	●
	SPMT07T308-GM	22-27.5	7.94	7.94	3.97	2.8	0.8		●	●
	SPMT090408-GM	28-33	9.8	9.8	4.3	4.2	0.8		●	●
	SPMT110408-GM	34-41	11.5	11.5	4.76	4.4	0.8		●	●
	SPMT140512-GM	42-50	14.3	14.3	5.2	5.75	1.2		●	●

Note: ● The Recommended Grade ready to stock

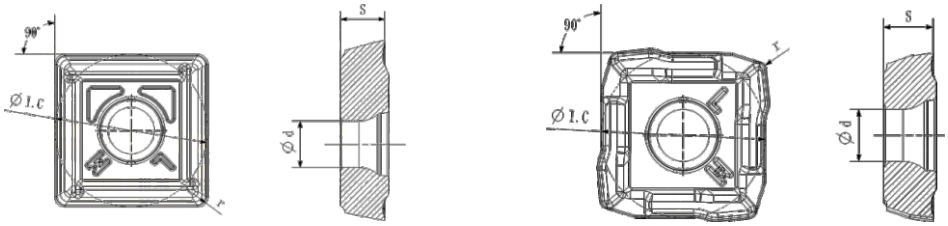
SO□□ Inserts



Shape	Type	Boring Range (mm)	Size					Application	Grade	
			L	øI.C	S	Φd	r		PVD	
									BP1025	BP1825
	SOMT040204-VP	13-16	1	4.4	2.38	2.2	0.4	Semi-finishing	●	●
	SOMT050204-VP	13-16	1.2	4.9	2.38	2.2	0.4		●	●
	SOMT060204-VP	16.5-17	1.8	5.7	2.38	2.6	0.4		●	●
	SOMT070306-VP	17.5-19	1.8	6.8	2.8	2.6	0.6		●	●
	SOMT08T306-VP	22.5-26.5	2	7.8	3.97	2.8	0.6		●	●
	SOMT09T308-VP	27.5-31.5	2.4	9.2	3.97	3.8	0.8		●	●
	SOMT11T308-VP	32-36.5	3	11	3.97	3.8	0.8		●	●
	SOMT130408-VP	37-43	3.2	12.8	4.4	4.5	0.8		●	●

Note: ● The Recommended Grade ready to stock

SO SP□□ Inserts



Shape	Type	Boring Range (mm)	Size				Application	Grade	
			øI.C	S	Φd	r		PVD	
								BP1025	BP1825
	SOMT050305C-LM	24-29	8.40	3.00	3.20	0.50	Medium Machining	●	●
	SOMT060406C-LM	30-41	10.20	3.50	4.00	0.60		●	●
	SOMT070406C-LM	30-41	12.36	4.00	4.00	0.60		●	●
	SOMT080508C-LM	44-63	14.90	4.50	4.70	0.80		●	●
	SOMT090608C-LM	44-63	17.90	5.50	4.70	0.80		●	●
	SPMT050308P-LM	24-29	8.90	3.00	3.20	0.80		●	●
	SPMT060408P-LM	30-41	10.70	3.50	4.00	0.80		●	●
	SPMT070410P-LM	30-41	12.70	3.95	4.00	1.00		●	●
	SPMT080510P-LM	44-63	15.50	4.50	4.70	1.00		●	●
	SPMT090610P-LM	44-63	18.60	5.50	4.70	1.00		●	●

Note: ● The Recommended Grade ready to stock