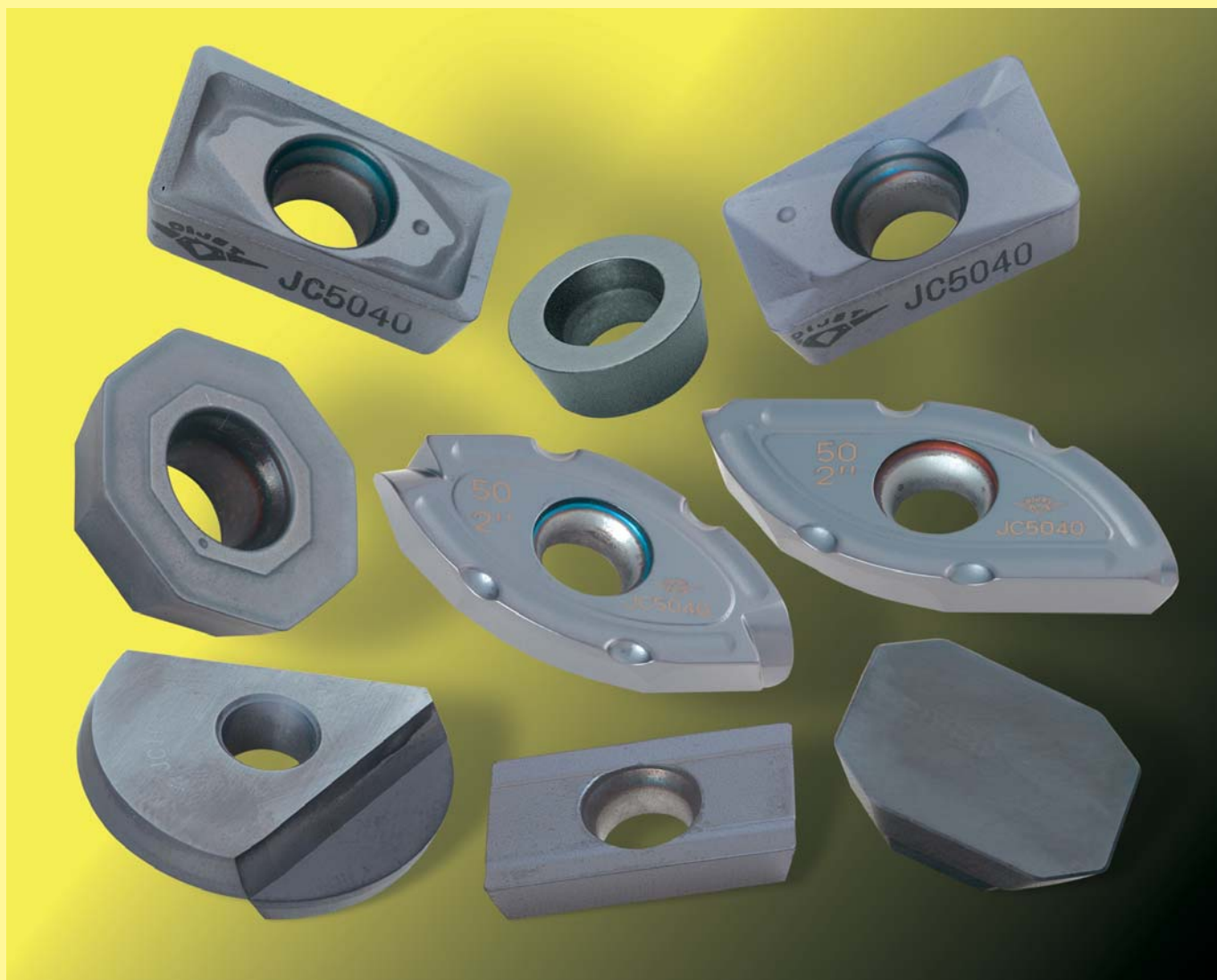
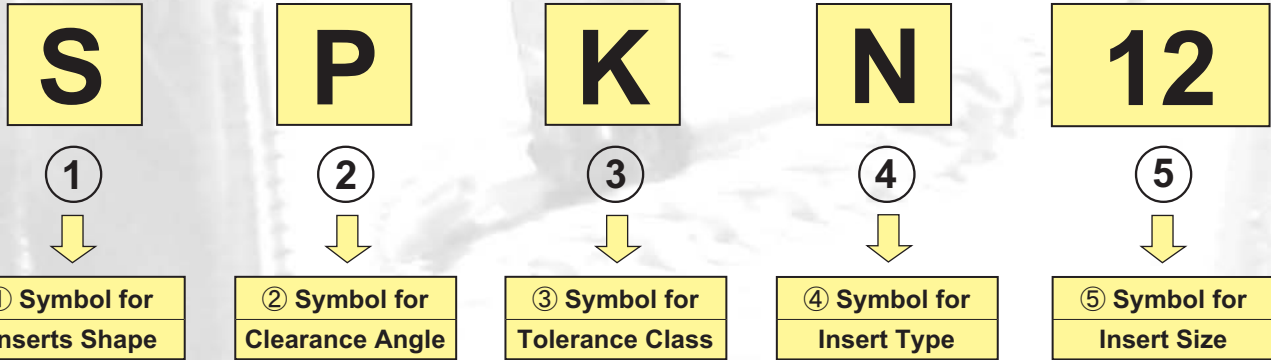


# “ ISO & Dijet Milling Inserts ”



## “ ISO & Dijet Milling Inserts ”

### ISO Identification Table of Milling Inserts



#### ① INSERT SHAPE

Symbol	Description	Angle	Figure
H	Hexagonal	120°	
O	Octagonal	135°	
P	Pentagonal	108°	
S	Square	90°	
T	Triangular	60°	
C	Rhombic	80°	
D		55°	
E		75°	
F		50°	
M		86°	
V		35°	
L	Rectangular	90°	
A	Parallelogram	85°	
B		82°	
K		55°	
R	Round	-	
W	Trigon	80°	

#### ② CLEARANCE ANGLE

Symbol	Clearance
A	3°
B	5°
C	7°
D	15°
E	20°
F	25°
G	30°
N	0°
P	11°
O	Others

#### ③ TOLERANCES CLASS

Symbol	Corner height	Thickness	Inscribed circle (mm)
A	±0.005	±0.025	±0.025
F	±0.005	±0.025	±0.013
C	±0.013	±0.025	±0.025
H	±0.013	±0.025	±0.013
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
U*	±0.13~±0.38	±0.13	±0.08~±0.25

\* Mark tolerance classes normally apply to as sintered indexable inserts and the tolerance is dependent upon insert size.

#### ④ TYPE OF INSERT

Symbol	Figure	Symbol	Figure	Symbol	Figure
N		U		C	
R		B		J	
F		A		X	Special design
W		M			
T		G			
Q		H			

#### J,K,L,M

##### 1. Tolerance on the Inscribed Circle

I.C.	Triangular	Square	80° Rhombic	55° Rhombic	35° Rhombic	Round
6.35	±0.05	±0.05	±0.05	±0.05	-	-
9.525	±0.05	±0.05	±0.05	±0.05	±0.05	±0.05
12.70	±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
25.40	±0.13	±0.13	±0.13	-	-	±0.12

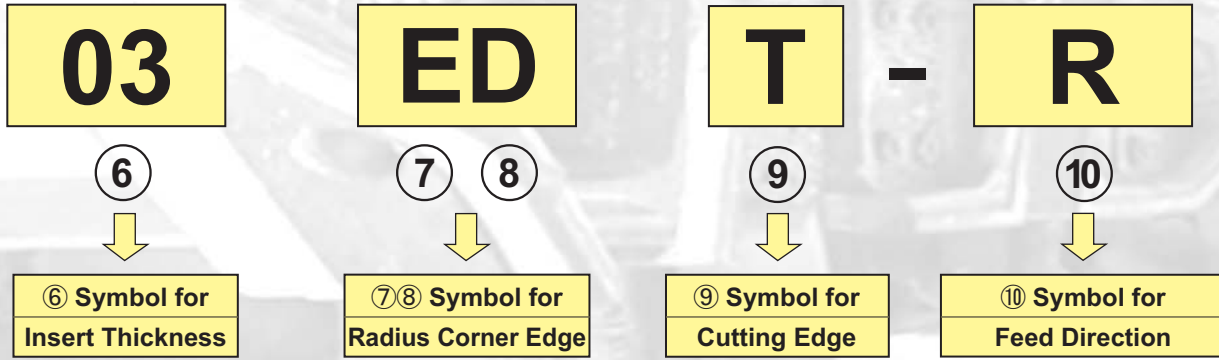
##### 2. Tolerance on Corner Height

I.C.	Triangular	Square	80° Rhombic	55° Rhombic	35° Rhombic
6.35	±0.08	±0.08	±0.08	±0.11	-
9.525	±0.08	±0.08	±0.08	±0.11	±0.13
12.70	±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	-	-
25.40	±0.18	±0.18	±0.18	-	-

I.C. = Inscribed Circle

“ ISO & Dijet Milling Inserts ”

Iso Milling Inserts



⑤ CUTTING EDGE LENGTH

I.C. Inscribed Circle (mm)	Insert Shape						
	C	D	R	S	T	V	W
3.97					06		
5.56					09		
6.35	06	07		06	11		
8.0			08				
9.525	09	11	09	09	16	16	06
10.0			10				
12.0			12				
12.70	12	15	12	12	22	22	08
15.875	16		15	15	27		
16.0			16				
19.05	19		19	19	33		
20.0			20				
25.0			25				
25.40	25		25	25			

⑥ THICKNESS

Symbol	Thickness
02	2.38
T2	2.78
03	3.18
T3	3.97
04	4.76
06	6.35
07	7.94
09	9.52

⑨ CUTTING EDGE

Symbol	Style
F	Sharp
E	Rounded
T	Chamfered
S	Chamered and Rounded

⑦⑧ RADIUS or CORNER EDGE









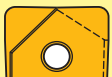









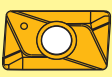



Symbol	Corner Radius(mm)	Corner Edge			
00	Sharp point				
02	0.2				
04	0.4				
08	0.8	⑦	Kr	⑧	an
12	1.2	A	45°	A	3°
16	1.6	D	60°	B	5°
		E	75°	C	7°
20	2.0	F	85°	D	15°
		G	87°	E	20°
24	2.4	P	90°	F	25°
		J	89°	G	30°
M0	Round (Metric dimension)	M	89°25'	N	0°
00	Round (Inch dimension)	N	84°	P	11°

⑩ FEED DIRECTION

Symbol	Corner Type
R	Right-hand insert
L	Left-hand insert
N	Neutral insert

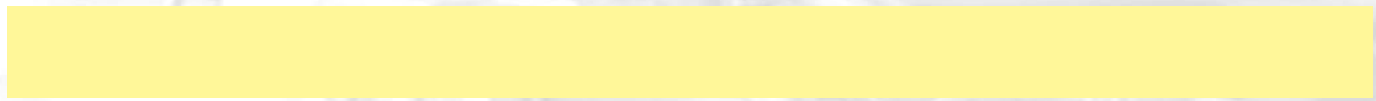
**“ ISO & Dijet Milling Inserts ”**



























***Indexable Inserts Table***

Type		With Chip-Breaker						
		7°	11°	14°	15°	20°	20°	30°
Clarence Angle		7°	11°	14°	15°	20°	20°	30°
Hole Existence		Yes	Yes	Yes	Yes	Yes	No	Yes
<b>Inserts Shape</b>	85° - 88° Rhombic 		<b>APKT</b>  p.147	<b>IM-CP</b>  p.149	<b>ADHT-ADKT</b>  p.146			
	<b>BNM-Dijet</b> 							
	<b>OCT- Dijet</b> 							
	<b>Round</b> 				<b>RDMT</b>  p.151			
	<b>RNM-Dijet</b> 							
	<b>90° Square</b> 			<b>IM-SP</b>  p.149	<b>SDMT</b>  p.154	<b>SEHT-SEKT</b>  p.154-155	<b>SEKR</b>  p.155	
	<b>SWB-Dijet</b> 							
	<b>60° Triangular</b> 							
	<b>80° Trigon</b> 				<b>WDMT</b>  p.159			
	<b>Z type-Dijet</b> 	<b>ZCMT</b>  p.160	<b>ZPMT</b>  p.161		<b>ZDMT</b>  p.160			

Iso Milling Inserts

**“ ISO & Dijet Milling Inserts ”**

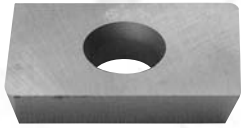


Without Chip-Breaker							Type	
11°	11°	14°	15°	20°	20°	30°	Dijet	
Yes	No	Yes	Yes	Yes	No	No	Special	Special
			ADHX  p.146				APGT  p.146	APGW  p.146
							BNM  p.147	BNM "S"  p.148 <small>NEW</small>
							ODMW  p.149 <small>NEW</small>	ODMT  p.149
RPEX  p.123			RDHX-RDMX  p.150-151				Alu-RDHT  p.151	PGHN  p.150
							HRM  p.148 <small>NEW</small>	RNM  p.152
SPGA-SPMA  p.156	SPKN  p.156		SDHW  p.153	SEHW  p.154	SEKN  p.154	SGHN  p.155	MPMT  p.149 <small>NEW</small>	SGLN  p.155
							SWB  p.157	SWB  p.157
TPGW  p.158	TPGN/TPKN  p.158/159							
			WDHW-WDMW  p.159					

Iso Milling Inserts

## “ ISO & Dijet Milling Inserts ”

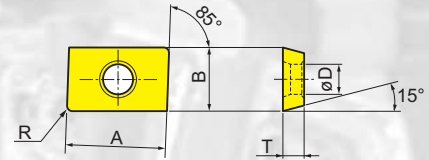
### ADHX-ADHT



ADHX



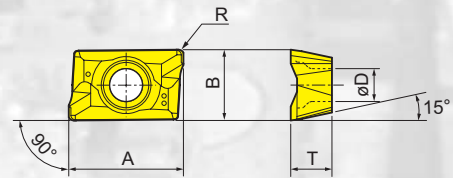
ADHT



Cat. No.	Dimensions (mm)					Coated						Cermet		Uncoated	
	A	B	T	R	øD	JC5003	JC5025	JC5030	JC5040	JC730U	JC610	CX90	CX75	UM30	KT9
ADHX150308	15	9.525	3.18	0.8	4.5		○	●	●		●			●	●
ADHT150308	15	9.525	3.18	0.8	4.5		○	●	●		●			●	●

○ Will not be available after current stock exhausted.

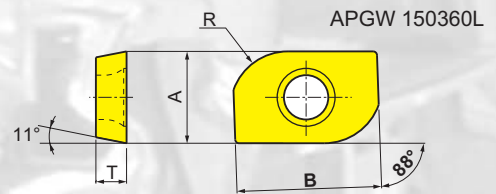
### ADKT



Cat. No.	Dimensions (mm)					Coated						Cermet		Uncoated	
	A	B	T	R	øD	JC5003	JC5025	JC5030	JC5040	JC730U	JC610	CX90	CX75	UM30	KT9
ADKT150508PDER	15.9	9.683	5.64	0.8	4.5		○	●	●		●				

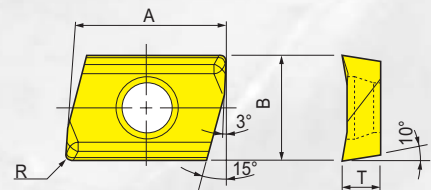
○ Will not be available after current stock exhausted.

### APGW



Cat. No.	Dimensions (mm)					Coated						Cermet		Uncoated	
	A	B	T	R	øD	JC5003	JC5015	JC5030	JC5040	JC730U	JC610	CX90	CX75	UM30	KT9
APGW150360L	9.525	15	3.18	6.0			●		●						
APGW150360R	9.525	15	3.18	6.0					●						

### APGT

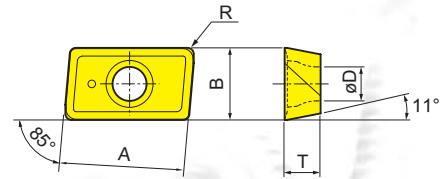


Cat. No.	Dimensions (mm)					Coated						Cermet		Uncoated	
	A	B	T	R	øD	JC5003	JC5015	JC5030	JC5040	JC730U	JC610	CX90	CX75	UM30	KT9
APGT0902GDR	9.525	6.35	2.38	0.4				●							○
APGT1202GDR	12.700	6.35	2.38	0.4				●			●				●

○ Will not be available after current stock exhausted.

# “ ISO & Dijet Milling Inserts ”

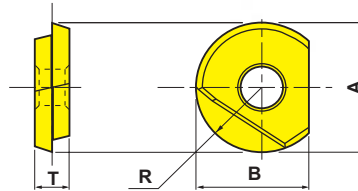
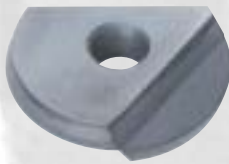
## ■ APKT



Cat. No.	Dimensions (mm)					Coated						Cermet		Uncoated	
	A	B	T	R	øD	JC5003	JC5025	JC5030	JC5040	JC730U	JC610	CX90	CX75	UM30	KT9
APKT100305PDER	10.379	6.703	3.5	0.5	2.85		○	●	●		●				
APKT160408	16.463	9.542	4.76	0.8	4.5		○	●	●		●				
APKT1604PDR	16.828	9.54	5.7	0.8	4.5		○	●	●		●				

○ Will not be available after current stock exhausted.

## ■ BNM

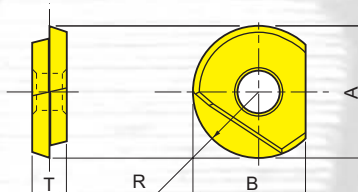
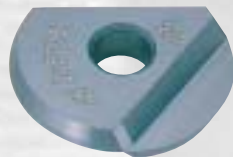


Radius accuracy  $\pm 6\mu m$

Cat. No.	Dimensions (mm)					Coated						Cermet		Uncoated	
	A	B	T	R	Fig.	JC8008	JC8015	JC5003	JC5010	JC5015	JC5040	CX90	CX75	UM30	KT9
BNM-060	6	5	2	3	1			●		●					●
BNM-080	8	7	2.4	4	1			●	●	●					●
BNM-100	10	8.5	2.6	5	1			●	●	●					●
BNM-120	12	10	3	6	1			●	●	●					●
BNM-160	16	12	4	8	1			●	●	●					●
BNM-200	20	15	5	10	1			●	●	●					●
BNM-250	25	18.5	6	12.5	1			●	●	●					●
BNM-300	30	22.5	7	15	1			●	●	●					●
BNM-320	32	23.5	7	16	1			●	●	●					●

● Stock in Japan

## ■ BNM-AAA Super precision inserts



Radius accuracy  $\pm 2\mu m$

BNM-060-AAA	6	5	2	3	1					●					
BNM-080-AAA	8	7	2.4	4	1					●					
BNM-100-AAA	10	8.5	2.6	5	1					●					
BNM-120-AAA	12	10	3	6	1					●					
BNM-160-AAA	16	12	4	8	1					●					
BNM-200-AAA	20	15	5	10	1					●					
BNM-250-AAA	25	18.5	6	12.5	1					●					
BNM-300-AAA	30	22.5	7	15	1					●					
BNM-320-AAA	32	23.5	7	16	1					●					

○ Will not be available after current stock exhausted.

Iso Milling Inserts

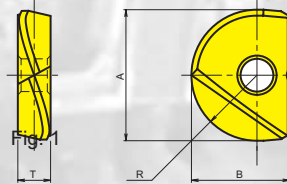
## “ ISO & Dijet Milling Inserts ”

### ■ BNM "S"

# Mirror S

Radius accuracy  
± 6µm

**NEW**

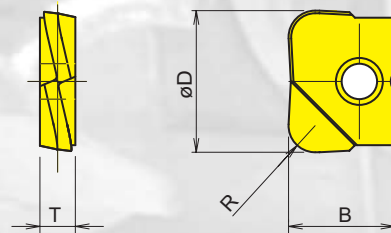


Iso Milling Inserts

Cat. No.	Dimensions (mm)					Coated						Cermet		Uncoated		
	A	B	T	R	Fig.	JC8008	JC8015	JC5003	JC5010	JC5015	JC5040	CX90	CX75	UM30	KT9	
BNM-060-S	6	5	2	3	1	●										
BNM-080-S	8	7	2.4	4	1	●										
BNM-100-S	10	8.5	2.6	5	1	●										
BNM-120-S	12	10	3	6	1	●										
BNM-160-S	16	12	4	8	1	●										
BNM-200-S	20	15	5	10	1	●										
BNM-250-S	25	18.5	6	12.5	1	●										
BNM-300-S	30	22.5	7	15	1	●										
BNM-320-S	32	23.5	7	16	1	●										

### ■ HRM

**NEW**



Cat. No.	Dimensions (mm)				Coated						Cermet		Uncoated		
	øD	R	B	T	JC8008	JC8015	JC5003	JC5015	JC5030	JC5040	CX90	CX75	UM30	KT9	
<b>NEW</b> HRM-080-R20	8	2.0	7.0	2.4		●									
<b>NEW</b> HRM-100-R20	10	2.0	8.5	2.6		●									
<b>NEW</b> HRM-120-R20	12	2.0	10.0	3.0		●									
<b>NEW</b> HRM-160-R30	16	3.0	12.0	4.0		●									
<b>NEW</b> HRM-200-R30	20	3.0	15.0	5.0		●									

Note: "HRM" inserts is exclusive use of Mirror-Radius. Please use only in Mirror Radius bodies.

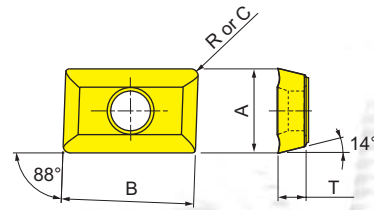


# “ ISO & Dijet Milling Inserts ”

## IM-CP



(Corner blade)

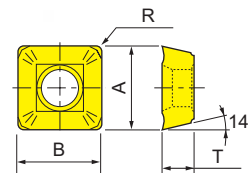


Cat. No.	Dimensions (mm)				Coated						Cermet		Uncoated	
	A	B	T	R	JC5003	JC8015	JC5015	JC5030	JC5040	JC610	CX90	CX75	UM30	KT9
IM-CP32N	9.52	15	3.18	0.8			●	●	●					
IM-CP43N	12.7	15.8	4.76	C			●	●	●					

## IM-SP

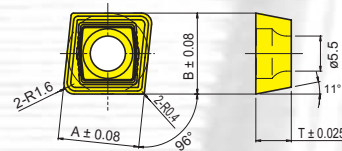


(Peripheral blade)



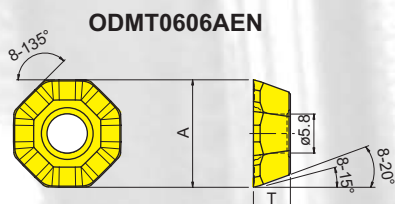
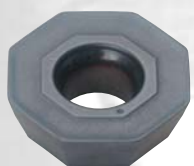
Cat. No.	Dimensions (mm)				Coated						Cermet		Uncoated	
	A	B	T	R	JC5003	JC8015	JC5015	JC5030	JC5040	JC610	CX90	CX75	UM30	KT9
IM-SP32GS	9.52	9.52	3.18	0.8			●	●	●					
IM-SP43GS	12.7	12.7	4.76	0.8			●	●	●					

## MPMT

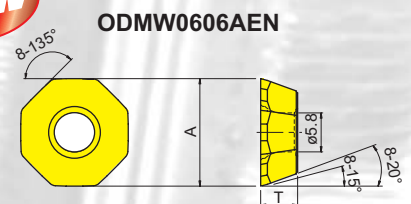


Cat. No.	Dimensions (mm)					Coated						Cermet		Uncoated	
	A	B	T	R	Fig.	JC5003	JC5015	JC5030	JC5040	JC730U	JC610	CX90	CX75	UM30	KT9
<b>NEW</b> MPMT120516	12.7	12.7	5.56	1.6	1		●		●						

## ODMT - ODMW



ODMT0606AEN



ODMW0606AEN

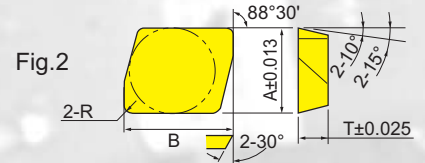
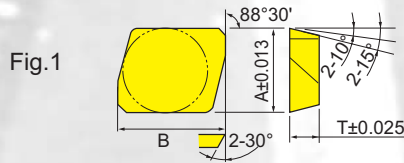
Cat. No.	Dimensions (mm)					Coated						Cermet		Uncoated	
	A	B	T	R	øD	JC5003	JC8015	JC5030	JC5040	JC730U	JC610	CX90	CX75	UM30	KT9
ODMT0606AEN	16.0		5.5	1.2	5.8		●		●						
<b>NEW</b> ODMW0606AEN	16.0		5.5	1.2	5.8		●								

Caution! This insert fit only original Dijet Body.

● New product on request

## “ ISO & Dijet Milling Inserts ”

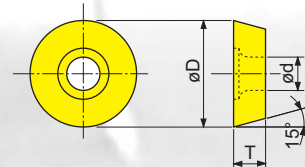
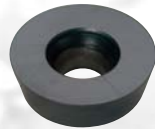
### PGHN



Cat. No.	Dimensions (mm)					Coated						Cermet		Uncoated	
	A	B	T	R	Fig.	JC5003	JC5015	JC5030	JC5040	JC730U	JC610	CX90	CX75	UM30	KT9
PGHN15T4GZR-16	12.7	16.14	4.3		1			●			●	●			●
PGHN15T4GZR-R08	12.7	16.14	4.3	0.8	2			●			●	●			●

● Stock in Japan

### RDHX

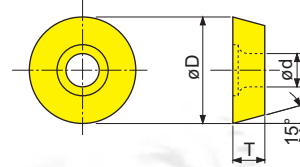


Cat. No.	Dimensions (mm)				Coated						Cermet		Uncoated	
	øD	R	T	ød	JC5003	JC5015	JC5030	JC5040	JC730U	JC610	CX90	CX75	UM30	KT9
RDHX0501MOT	5	2.5	1.5	2.0		●								
RDHX0501MOS	5	2.5	1.5	2.0	●									
RDHX0701MOT	7	3.5	1.99	2.8		●	●	●			●			
RDHX0701MOS	7	3.5	1.99	2.8	●									
RDHX0701MOF	7	3.5	1.99	2.8						○				
RDHX0702MOT	7	3.5	2.38	2.8		●	●	●			●			
RDHX0702MOS	7	3.5	2.38	2.8	●									
RDHX0702MOF	7	3.5	2.38	2.8						○				
RDHX1003MOT	10	5.0	3.18	3.9		●	●	●			●			
RDHX1003MOS	10	5.0	3.18	3.9	●									
RDHX1003MOF	10	5.0	3.18	3.9						○				○
RDHX12T3MOT	12	6.0	3.97	3.9		●	●	●			●			
RDHX12T3MOS	12	6.0	3.97	3.9	●									
RDHX12T3MOF	12	6.0	3.97	3.9						○				●
RDHX1604MOT	16	8.0	4.76	5.0		●	●	●			●			
RDHX1604MOS	16	8.0	4.76	5.0	●									
RDHX1604MOF	16	8.0	4.76	5.0						○				○
RDHX2006MOT	20	10	6.0	6.0			●							

○ Will not be available after current stock exhausted.

## “ ISO & Dijet Milling Inserts ”

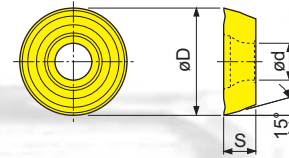
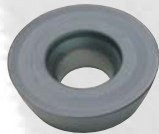
### RDMX



Cat. No.	Dimensions (mm)				Coated						Cermet		Uncoated	
	øD	R	T	ød	JC5003	JC5015	JC5030	JC5040	JC730U	JC610	CX90	CX75	UM30	KT9
RDMX12T3MOT	12	6.0	3.97	3.9			●	●			●			
RDMX12T3MOF	12	6.0	3.97	3.9										
RDMX1604MOT	16	8.0	4.76	5.0		●	●	●			○			
RDMX1604MOF	16	8.0	4.76	5.0						●				
RDMX2006MOT	20	10.0	6.0	6.0			●							

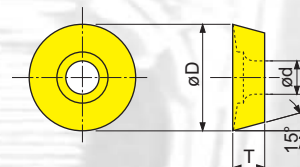
○ Will not be available after current stock exhausted.

### RDMT



Cat. No.	Dimensions (mm)				Coated						Cermet		Uncoated	
	øD	R	T	ød	JC5003	JC5015	JC5030	JC5040	JC730U	JC610	CX90	CX75	UM30	KT9
RDMT1604MOT	16	8.0	4.76	5.0				●						

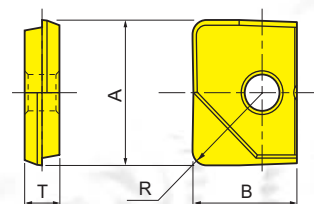
### Alu-RDHT (Polished)



Cat. No.	Dimensions (mm)				Coated						Cermet		Uncoated	
	øD	R	T	ød	JC5003	JC5015	JC5030	JC5040	JC730U	JC610	CX90	CX75	UM30	KT9
RDHT0501MOF	5	2.5	1.5	2.0										●
RDHT0701MOF	7	3.5	1.99	2.8										●
RDHT0702MOF	7	3.5	2.38	2.8										●
RDHT1003MOF	10	5.0	3.18	3.9										●
RDHT12T3MOF	12	6.0	3.97	3.9										●
RDHT1604MOF	16	8.0	4.76	5.0										●

## “ ISO & Dijet Milling Inserts ”

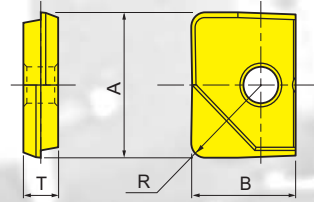
### RNM



Cat. No.	Dimensions (mm)				Coated						Cermet		Uncoated	
	A	R	T	B	JC8008	JC8015	JC5003	JC5015	JC5030	JC5040	CX90	CX75	UM30	KT9
RNM-080-R03	8	0.3	2.4	7.0		●	●	●						●
RNM-080-R05	8	0.5	2.4	7.0		●	●	●						●
RNM-080-R10	8	1.0	2.4	7.0		●	●	●						●
RNM-100-R03	10	0.3	2.6	8.5		●	●	●						●
RNM-100-R05	10	0.5	2.6	8.5		●	●	●						●
RNM-100-R10	10	1.0	2.6	8.5		●	●	●						●
RNM-100-R15	10	1.5	2.6	8.5		●	●	●						●
RNM-100-R20	10	2.0	2.6	8.5		●	●	●						●
RNM-120-R03	12	0.3	3.0	10.0		●	●	●						●
RNM-120-R05	12	0.5	3.0	10.0		●	●	●						●
RNM-120-R10	12	1.0	3.0	10.0		●	●	●						●
RNM-120-R15	12	1.5	3.0	10.0		●	●	●						●
RNM-120-R20	12	2.0	3.0	10.0		●	●	●						●
<b>NEW</b> RNM-130-R03	13	0.3	3.0	10.0				●						
<b>NEW</b> RNM-130-R05	13	0.5	3.0	10.0				●						
<b>NEW</b> RNM-130-R10	13	1.0	3.0	10.0				●						
<b>NEW</b> RNM-130-R20	13	2.0	3.0	10.0				●						
RNM-160-R03	16	0.3	4.0	12.0		●	●	●						●
RNM-160-R05	16	0.5	4.0	12.0		●	●	●						●
RNM-160-R10	16	1.0	4.0	12.0		●	●	●						●
RNM-160-R15	16	1.5	4.0	12.0		●	●	●						●
RNM-160-R20	16	2.0	4.0	12.0		●	●	●						●
<b>NEW</b> RNM-170-R03	17	0.3	4.0	12.0				●						
<b>NEW</b> RNM-170-R05	17	0.5	4.0	12.0				●						
<b>NEW</b> RNM-170-R10	17	1.0	4.0	12.0				●						
<b>NEW</b> RNM-170-R20	17	2.0	4.0	12.0				●						
RNM-200-R03	20	0.3	5.0	15.0		●	●	●						●
RNM-200-R05	20	0.5	5.0	15.0		●	●	●						●
RNM-200-R10	20	1.0	5.0	15.0		●	●	●						●
RNM-200-R15	20	1.5	5.0	15.0		●	●	●						●
RNM-200-R20	20	2.0	5.0	15.0		●	●	●						●
<b>NEW</b> RNM-200-R30	20	3.0	5.0	15.0				●						
<b>NEW</b> RNM-210-R03	21	0.3	5.0	15.0				●						
<b>NEW</b> RNM-210-R05	21	0.5	5.0	15.0				●						
<b>NEW</b> RNM-210-R10	21	1.0	5.0	15.0				●						
<b>NEW</b> RNM-210-R20	21	2.0	5.0	15.0				●						
RNM-250-R03	25	0.3	6.0	18.5		●	●	●						
RNM-250-R05	25	0.5	6.0	18.5		●	●	●						
RNM-250-R10	25	1.0	6.0	18.5		●	●	●						
RNM-250-R15	25	1.5	6.0	18.5		●	●	●						
RNM-250-R20	25	2.0	6.0	18.5		●	●	●						

“ ISO & Dijet Milling Inserts ”

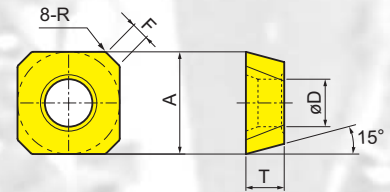
■ **RNM**



Cat. No.	Dimensions (mm)					Coated						Cermet		Uncoated		
	A	R	T	øD		JC8008	JC8015	JC5003	JC5015	JC5030	JC5040	CX90	CX75	UM30	KT9	
<b>NEW</b> RNM-250-R30	25	3.0	6.0	18.5					●							
<b>NEW</b> RNM-260-R03	26	0.3	6.0	18.5					●							
<b>NEW</b> RNM-260-R05	26	0.5	6.0	18.5					●							
<b>NEW</b> RNM-260-R10	26	1.0	6.0	18.5					●							
<b>NEW</b> RNM-260-R20	26	2.0	6.0	18.5					●							
RNM-300-R03	30	0.3	7.0	22.5			●	●	●							
RNM-300-R05	30	0.5	7.0	22.5			●	●	●							
RNM-300-R10	30	1.0	7.0	22.5			●	●	●							
RNM-300-R15	30	1.5	7.0	22.5			●	●	●							
RNM-300-R20	30	2.0	7.0	22.5			●	●	●							
<b>NEW</b> RNM-300-R30	30	3.0	7.0	22.5					●							
RNM-320-R03	32	0.3	7.0	23.5			●	●	●							
RNM-320-R05	32	0.5	7.0	23.5			●	●	●							
RNM-320-R10	32	1.0	7.0	23.5			●	●	●							
RNM-320-R15	32	1.5	7.0	23.5			●	●	●							
RNM-320-R20	32	2.0	7.0	23.5			●	●	●							
<b>NEW</b> RNM-320-R30	32	3.0	7.0	23.5					●							

● New product on request

■ **SDHW**

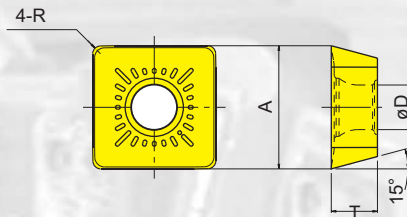


Cat. No.	Dimensions (mm)					Coated						Cermet		Uncoated		
	A	F	T	R	øD	JC5003	JC5025	JC5030	JC5040	JC730U	JC610	CX90	CX75	UM30	KT9	
SDHW1204AFFN	12.7	2.17	4.76	0.4	5.9						●					
SDHW1204AFTN	12.7	2.17	4.76	0.4	5.9		○	●	●							

○ Will not be available after current stock exhausted.

## “ ISO & Dijet Milling Inserts ”

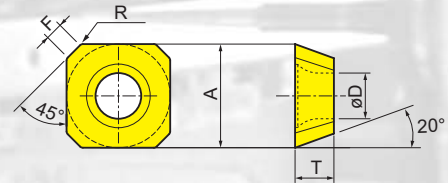
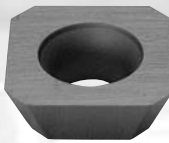
### SDMT



Cat. No.	Dimensions (mm)					Coated						Cermet		Uncoated		
	A	T	R	øD		JC5003	JC8015	JC5030	JC5040	JC730U	JC610	CX90	CX75	UM30	KT9	
SDMT1204PDER	12.7	4.76	0.8	4.6			●		●							

● New product on request

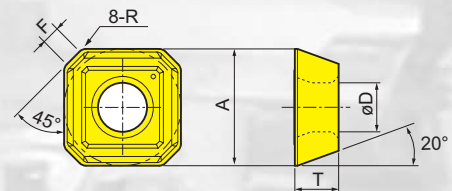
### SEHW



Cat. No.	Dimensions (mm)					Coated						Cermet		Uncoated	
	A	F	T	R	øD	JC5003	JC5025	JC5030	JC5040	JC730U	JC610	CX90	CX75	UM30	KT9
SEHW1204AFTN	12.7	2.13	4.76	0.5	5.6		○	●	●					○	

○ Will not be available after current stock exhausted.

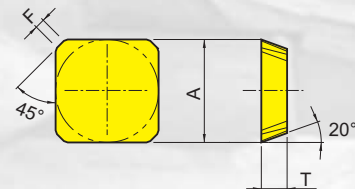
### SEHT



Cat. No.	Dimensions (mm)					Coated						Cermet		Uncoated	
	A	F	T	R	øD	JC5003	JC5025	JC5030	JC5040	JC730U	JC610	CX90	CX75	UM30	KT9
SEHT1204AFTN	12.7	2.05	4.76	1.0	5.5		○	●	●		●				
SEHT1204AFFN	12.7	2.05	4.76	1.0	5.5										○

○ Will not be available after current stock exhausted.

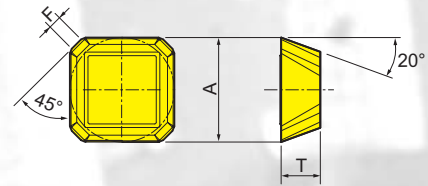
### SEKN



Cat. No.	Dimensions (mm)					Coated						Cermet		Uncoated	
	A	F	T			JC5003	JC5015	JC5030	JC5040	JC730U	JC610	CX90	CX75	UM30	KT9
SEKN1203AFFN	12.7	1.2	3.18												●
SEKN1203AFTN	12.7	1.2	3.18				●	●	●	●	●	●	●		
SEKN1203AFFN-16	12.7	1.6	3.18								●				●
SEKN1203AFTN-16	12.7	1.6	3.18					●	●			●	●		
SEKN1204AFFN	12.7	1.2	4.76								●				●
SEKN1204AFTN	12.7	1.2	4.76					●	●	●				●	
SEKN1504AFFN	15.875	1.5	4.76												●
SEKN1504AFTN	15.875	1.5	4.76					●	●						

# “ ISO & Dijet Milling Inserts ”

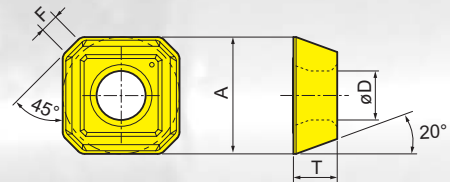
## SEKR



Cat. No.	Dimensions (mm)				Coated						Cermet		Uncoated	
	A	F	T		JC5003	JC5025	JC5030	JC5040	JC730U	JC610	CX90	CX75	UM30	KT9
SEKR1203AFTN	12.7	1.6	3.18			○	●	●						
SEKR1204AFTN	12.7	1.6	4.76			○								

○ Will not be available after current stock exhausted.

## SEKT



Cat. No.	Dimensions (mm)				Coated						Cermet		Uncoated	
	A	F	T	øD	JC5003	JC5015	JC5030	JC5040	JC730U	JC610	CX90	CX75	UM30	KT9
SEKT1204AFTN	12.7	1.6	4.76	5.5			●	●						

## SGHN-SGLN

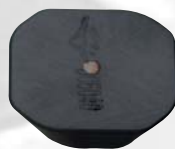


Fig.1 SGHN-21-44

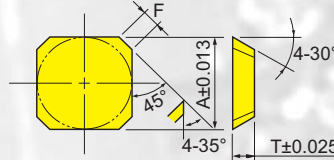


Fig.2 F2 (For alluminum alloy)

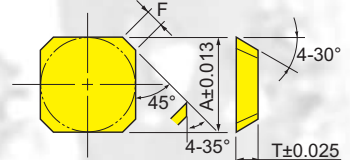


Fig.3 SGLN-21-44

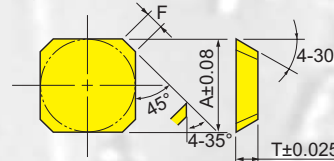


Fig.4 F1 (For devibration)

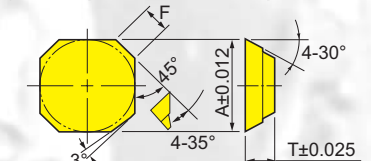
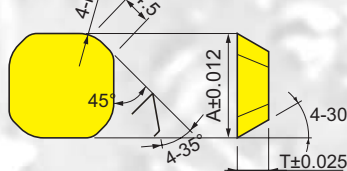


Fig.5 R5



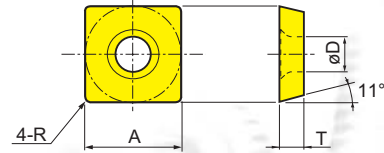
Cat. No.	Dimensions (mm)					Coated						Cermet		Uncoated	
	A	F	T	R	Fig.	JC5003	JC5015	JC5030	JC5040	JC730U	JC610	CX90	CX75	UM30	KT9
SGHN1203AZN-21	12.7	2.1	3.18		1			●	●	●	●	●			●
SGHN1203AZN-F2	12.7	2.1	3.18		2										●
SGLN1203AZN-21	12.7	2.1	3.18		3			●							
SGHN1504AZN-44	15.875	4.4	4.76		1			●	●	●	●	●			●
SGHN1504AZR-F1	15.875	4.4	4.76		4			●		●	●	●			○
SGLN1504AZN-44	15.875	4.4	4.76		3			●							
SGLN1504AZR5	15.875	4.4	4.76	5.0	5				●						

○ Will not be available after current stock exhausted.

Iso Milling Inserts

## “ ISO & Dijet Milling Inserts ”

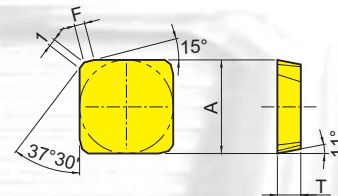
### ■ SPGA - SPMA



Cat. No.	Dimensions (mm)				Coated						Cermet		Uncoated	
	A	T	R		JC5003	JC5015	JC5030	JC5040	JC3552	JC610	CX90	NAT	DX30	KT9
SPGA090304	9.525	3.18	0.4				●	●	○			○		
SPGA090308	9.525	3.18	0.8						○			○		
SPGA120304	12.7	3.18	0.4				●				●		●	●
SPGA120308	12.7	3.18	0.8				●				●		○	●
SPGA120404	12.7	4.76	0.4						○			○		
<b>NEW</b> SPMA090304	9.525	3.18	0.4			●								
<b>NEW</b> SPMA090308	9.525	3.18	0.8			●								

○ Will not be available after current stock exhausted.

### ■ SPKN



Cat. No.	Dimensions (mm)				Coated						Cermet		Uncoated	
	A	F	T		JC5003	JC5015	JC5030	JC5040	JC730U	JC610	CX90	NIT	UM30	KT9
SPKN1203EDFR	12.7	1.4	3.18							●				●
SPKN1203EDTR	12.7	1.4	3.18			●	●	●	●		●			
SPKN1504EDFR	15.875	1.6	4.76							●				○
SPKN1504EDTR	15.875	1.6	4.76			●	●	●	●		○	○		

○ Will not be available after current stock exhausted.

Iso Milling Inserts



# “ ISO & Dijet Milling Inserts ”

## ■ SWB

Fig.1 (Main blade)

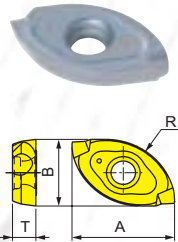


Fig.2 (Main blade)

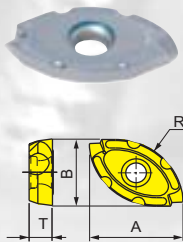


Fig.3 (Sub blade)

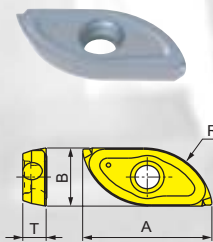


Fig.4 (Sub blade)

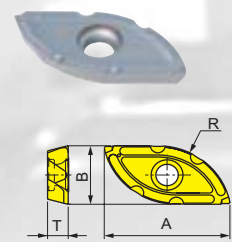


Fig.5 (Main blade for welding & hardened)

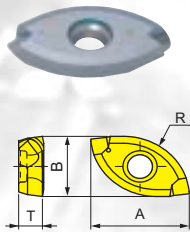
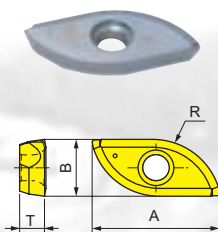


Fig.6 (Sub blade for welding & hardened)



### SWB250-N Type Low Cutting Force and Low Noise

Fig.7 (Main blade)

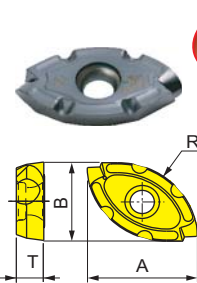
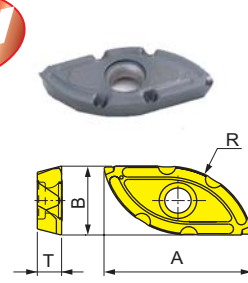


Fig.8 (Sub blade)



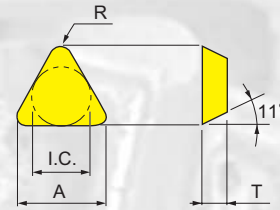
SWB250HMN-N

SWB250HSN-N

Cat. No.	Dimensions (mm)					Coated						Cermet		Uncoated	
	R	A	B	T	Fig.	JC5003	JC5015	JC5030	JC5040	JC730U	JC610	CX90	CX75	UM30	KT9
SWB220HM	10.0	15.8	9.9	3.65	1		●		●						
SWB220HS	10.0	20	8.2	3.65	3		●		●						
SWB225HM	12.5	18.5	12.4	3.8	1		●		●						
SWB225HS	12.5	23.8	10.5	3.8	3		●		●						
SWB230HM	15.0	22.2	14.8	5.35	1		●		●						
SWB230MMW	15.0	22.2	14.8	5.35	5		●								
SWB230HS	15.0	27.5	12.3	5.35	3		●		●						
SWB230MSW	15.0	27.5	12.3	5.35	6		●								
SWB232HM	16.0	23.5	16.0	5.35	1		●		●						
SWB232HS	16.0	29.6	13.9	5.35	3		●		●						
<b>NEW</b> SWB232HM-G	16.0	26.0	16.0	5.35	1		●		●						
<b>NEW</b> SWB232MMW-G	16.0	26.0	16.0	5.35	5		●								
<b>NEW</b> SWB232HS-G	16.0	31.7	13.9	5.35	3		●		●						
<b>NEW</b> SWB232MSW-G	16.0	31.7	13.9	5.35	6		●								
SWB240HMN	20.0	30.4	20.8	6.85	2		●		●						
SWB240MMW	20.0	30.4	20.8	6.85	5		●								
SWB240HSN	20.0	37.5	16.3	6.85	4		●		●						
SWB240MSW	20.0	37.5	16.3	6.85	6		●								
SWB250HMN	25.0	34.4	25.7	7.0	2		●		●						
<b>NEW</b> SWB250HMN-N	25.0	34.4	25.7	7.0	7		●		●						
SWB250MMW	25.0	34.4	25.7	7.0	5		●								
SWB250HSN	25.0	42.6	20.8	7.0	4		●		●						
<b>NEW</b> SWB250HSN-N	25.0	42.6	20.8	7.0	8		●		●						
SWB250MSW	25.0	42.6	20.8	7.0	6		●								

## “ ISO & Dijet Milling Inserts ”

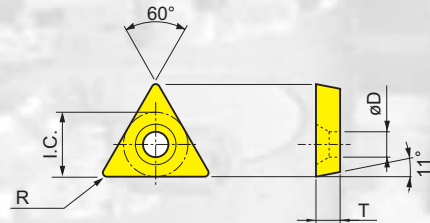
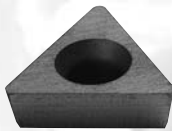
### ■ TPGN



Cat. No.	Dimensions (mm)				Coated						Cermet		Uncoated	
	A	T	R	I.C.	JC5003	JC5015	JC5030	JC5040	JC730U	JC610	NIT	NAT	UMS	KT9
TPGN110304	11.0	3.18	0.4	6.35							●			●
TPGN160308	16.0	3.18	0.8	9.525										●
TPGN220408	22.0	4.76	0.8	12.70								○		●

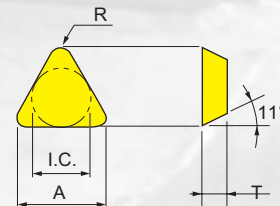
○ Will not be available after current stock exhausted.

### ■ TPGW



Cat. No.	Dimensions (mm)				Coated						Cermet		Uncoated	
	I.C.	T	R	øD	JC5003	JC5015	JC5030	JC5040	JC730U	JC610	CX90	CX75	UM30	KT9
TPGW080204	4.76	2.38	0.4	3.5			●				●			●
TPGW090204	5.56	2.38	0.4	4.0			●				●			●
TPGW110204	6.35	2.38	0.4	2.8			●				●			●
TPGW110302	6.35	3.18	0.2	3.5			●				●			●
TPGW110304	6.35	3.18	0.4	3.5			●				●			●
TPGW110308	6.35	3.18	0.8	3.5			●				●			●
TPGW130302	7.94	3.18	0.2	3.5			●				●			●
TPGW130304	7.94	3.18	0.4	3.5			●				●			●
TPGW130308	7.94	3.18	0.8	3.5			●				●			●
TPGW160302	9.525	3.18	0.2	4.6			●				●			●
TPGW160304	9.525	3.18	0.4	4.6			●				●			●
TPGW160308	9.525	3.18	0.8	4.6			●				●			●

### ■ TPMN

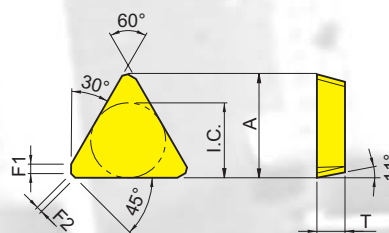


Cat. No.	Dimensions (mm)				Coated						Cermet		Uncoated	
	A	T	R	I.C.	JC5003	JC5015	JC5030	JC5040	JC730U	JC610	NIT	NAT	UM30	KT9
TPMN160308T	16.0	3.18	0.8	9.525			●	●	●					
TPMN160312T	16.0	3.18	1.2	9.525			●	●	○					
TPMN220408T	22.0	4.76	0.8	12.70			●	●	○					
TPMN220412T	22.0	4.76	1.2	12.70			●	●	●					

○ Will not be available after current stock exhausted.

# “ ISO & Dijet Milling Inserts ”

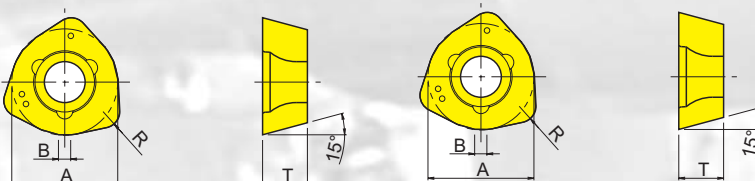
## TPKN



Cat. No.	Dimensions (mm)					Coated						Cermet		Uncoated	
	A	I.C.	T	F <sub>1</sub>	F <sub>2</sub>	JC5003	JC5015	JC5030	JC5040	JC730U	JC610	CX90	NIT	DX30	KT9
TPKN1603PPFR	16.0	9.525	3.18	1.2	0.8										○
TPKN1603PPTR	16.0	9.525	3.18	1.2	0.8		●	●	●	○		○		●	
TPKN2204PDFR	22.0	12.70	4.76	1.6	1.0						●				●
TPKN2204PDTR	22.0	12.70	4.76	1.6	1.0		●	●	●	●		●	●	●	

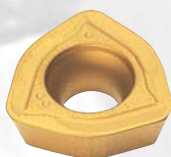
○ Will not be available after current stock exhausted.

## WOMW - WDMW - WDHW



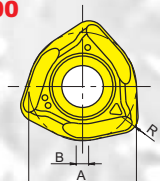
Cat. No.	Dimensions (mm)					Coated						Cermet		Uncoated	
	A	B	T	R		JC8008	JC8015	JC5015	JC5040	JC730U	JC600	CX90	CX75	UM30	KT9
<b>NEW</b> WOMW04T215ZER	6.0	0.8	2.8	1.5			●		●						
WDMW050316ZTR	8.0	1.0	3.2	1.6			●	●	●						
WDMW06T320ZTR	10.0	1.2	3.97	2.0			●	●	●						
WDMW080520ZTR	13.0	1.5	5.50	2.0			●	●	●						
<b>NEW</b> WDMX10X620ZTR	16.0	2.0	6	2.0			●	●	●						
WDHW050316ZTR	8.0	1.0	3.2	1.6				●	●						
WDHW06T320ZTR	10.0	1.2	3.97	2.0				●	●						
WDHW080520ZTR	13.0	1.5	5.50	2.0				●	●						

## WDMT

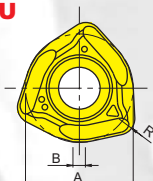


**NEW**

JC600



JC730U



Cat. No.	Dimensions (mm)					Coated						Cermet		Uncoated	
	A	B	T	R		JC8008	JC8015	JC5015	JC5040	JC730U	JC600	CX90	CX75	UM30	KT9
<b>NEW</b> WDMT080520ZER	8.0	1.0	3.2	2.0						●	●				
<b>NEW</b> WDMT10X620ZER	10.0	1.2	3.97	2.0						●	●				

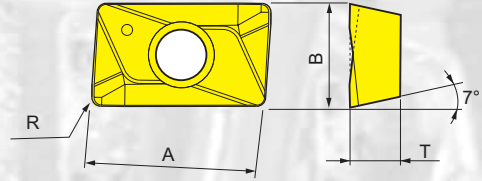
## “ ISO & Dijet Milling Inserts ”

### ZCMT

Alu-polished Insert



Peripheral insert



Cat. No.	Dimensions (mm)				Coated						Cermet		Uncoated	
	A	B	T	R	JC5003	JC5015	JC5030	JC5040	JC730U	JC610	CX90	CX75	UM30	FZ15
ZCMT100308R /P	10.4	6.35	3.4	0.8		●		●						□

□ FZ15 Polished inserts for aluminium, please add **P** at the end of Cat. No.

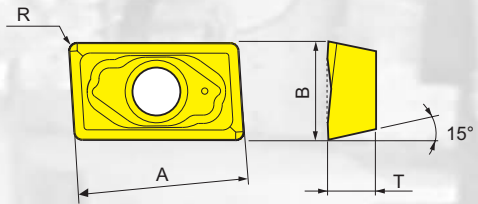
□ Stock in Japan

### ZDMT

Alu-polished Insert



Central insert



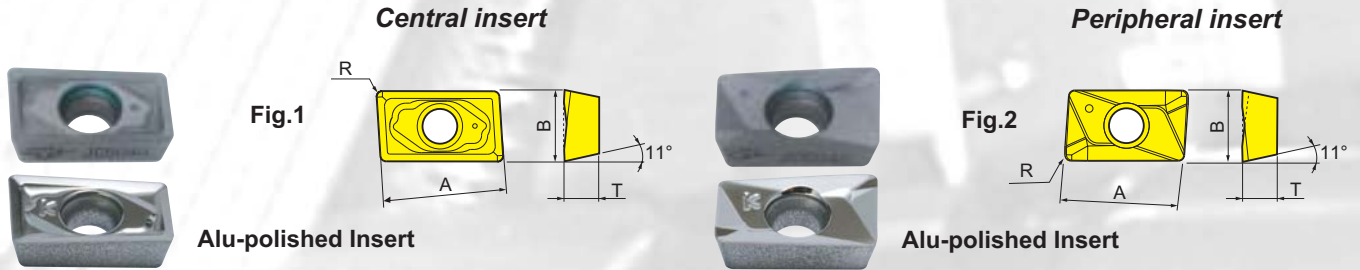
Cat. No.	Dimensions (mm)				Coated						Cermet		Uncoated	
	A	B	T	R	JC5003	JC5015	JC5030	JC5040	JC730U	JC610	CX90	CX75	UM30	FZ15
ZDMT08T208L /P	7.9	6.0	2.78	0.8		●		●						□
ZDMT100308L /P	10.4	6.35	3.4	0.8		●		●						□
ZDMT13T308L /P	12.9	7.938	3.97	0.8		●		●						□
ZDMT13T320L /P	12.9	7.938	3.97	2.0		●		●						□

□ FZ15 Polished inserts for aluminium, please add **P** at the end of Cat. No.

□ Stock in Japan

# “ ISO & Dijet Milling Inserts ”

## ZPMT



Cat. No.	Dimensions (mm)					Coated						Cermet		Uncoated	
	A	B	T	R	Fig.	JC5003	JC5015	JC5030	JC5040	JC730U	JC610	CX90	CX75	UM30	FZ15
ZPMT09T208R /P	9.0	5.4	2.78	0.8	2		●		●						□
ZPMT13T308R /P	13.3	7.938	3.97	0.8	2		●		●						□
<b>NEW</b> ZPMT13T316R /P	13.3	7.938	3.97	1.6	2		●		●						□
ZPMT13T320R /P	13.3	7.938	3.97	2.0	2		●		●						□
ZPMT150408L /P	15.45	9.525	4.76	0.8	1		●		●						□
ZPMT160408L /P	16.45	9.525	4.76	0.8	1		●		●						□
ZPMT160408R /P	16.0	9.525	4.76	0.8	2		●		●						□
<b>NEW</b> ZPMT160416L /P	16.45	9.525	4.76	1.6	1		●		●						□
<b>NEW</b> ZPMT160416R /P	16.0	9.525	4.76	1.6	2		●		●						□
ZPMT160420L /P	16.45	9.525	4.76	2.0	1		●		●						□
ZPMT160420R /P	16.0	9.525	4.76	2.0	2		●		●						□
ZPMT160430L /P	16.45	9.525	4.76	3.0	1		●		●						□
ZPMT160430R /P	16.0	9.525	4.76	3.0	2		●		●						□
<b>NEW</b> ZPMT160432L /P	16.45	9.525	4.76	3.2	1		●		●						□
<b>NEW</b> ZPMT160432R /P	16.0	9.525	4.76	3.2	2		●		●						□

□ FZ15 Polished inserts for aluminium, please add **P** at the end of Cat. No.

□ Stock in Japan