



Tungsten Carbide Series **Carbide Inserts**



Precision Measuring Instruments Co.

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NSIC
Registered Firm



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A Request Letter

Sub : Registration of our firm as your regular suppliers for Precision Measuring instruments, Hardness Testers & Engineering Tools & Equipment's.

We take this opportunity to introduce our selves as one of the leading importers, stockiest & suppliers of **Precision Measuring Tools, New Generation of Hardness Testers, Small Hand Tools, Lab Equipment Micrometers, Vernier Callipers, Engineering Tools and other Engineering Tools for well over 30 years.**

It's a matter of great pleasure to inform you that we are having cordial business relation with many Govt. Plants, Projects, Sugar Factories, Textile Industries, Technical & Industrial Engineering Institutions and Engineering firms all over India. It is needless to emphasis that in view of our vast experience in the line we are in position to meet your valued requirements of Engineering Tools, Hand Tools and Instruments of every description and specifications at very competitive price.

It is our earnest desire to be in the list of your regular suppliers. We request you very humbly to mail us your esteemed enquiries and tenders whenever you are in the market. We assure you of our prompt attention and the best services at all the times.

If an opportunity is given to us we are sure that you will be fully satisfied with our service and our relation will further prosper to mutual benefits.

We are already Registered With G.T.R.E. Bangalore, D.E.A.L.: Dehradun, D.R.D.O. Lab: Jodhpur, D.R.D.O. Electronic Radar Devl. Estt: Bangalore, D.R.D.O.: Defence Metallurgical Research Lab: Hyderabad, Ordnance Factory: Varangaon, Vehicle Research estt: Ahemdagar, National Ship Design & Research Centre: Vishakhapatam, Ammunition Factory: Pune, Naval Physical & Oceanographic Lab: Kochi, Opto electronic factory: Dehra Dun, Ordnance Factory: Chanda, National Metallurgical lab: Jamshedpur, B.H.E.L: Jhasi, N.T.P.C: Orissa, H.A.L Bangalore and Many Other Government Department.

Kindly Forward this Letter to concern Person / Department.

Thanking you very much and awaiting your favourable response.

For Further Information Please contact on below mention Address

Precision Measuring Instruments Company

Anand Deep CHS. Flat # 401, 4th Floor, Opp. Date Mangal Karyalay,
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Grade Introduction

Coated grade

Grade	Coating	Color	Applications	ISO
MJP352	CVD	golden	It is used for roughing of steel. The substrate: ZP35.	P25-P45
MJP354	CVD	black		
MJP356	PVD	dark purple		
MJP357	PVD	golden		
MJP252	CVD	golden	It is used for finishing and semi-finishing of steel and cast steel. The substrate: ZP20.	P15-P30
MJP254	CVD	black		
MJP256	PVD	dark purple		
MJP257	PVD	golden		
MJK202	CVD	golden	It is used for roughing and semi-finishing of cast iron and non-ferrite materials. The substrate: ZU820.	K10-K30
MJK204	CVD	black		
MJK206	PVD	dark purple		
MJK207	PVD	golden		
MJK102	CVD	golden	It is used for finishing of cast iron and non-ferrite materials. The substrate: ZU810.	K01-K10
MJK104	CVD	black		
MJK106	PVD	dark purple		
MJK107	PVD	golden		
MJM252	CVD	golden	It is used for roughing and semi-finishing of stainless steel. The substrate: ZM25A.	M20-M30
MJM254	CVD	black		
MJM256	PVD	dark purple		
MJM257	PVD	golden		

Uncoated Grade

Grade	Density g/cm ³	Hardness HRA	T.R.S Mpa	Applications	ISO
MJK10UF	14.6-15.0	>92.8	2060	Submicron grain size. It is used for roughing and semi-finishing of cast iron and non-ferrite materials.	K01-K15
MJK20UF	14.5-14.9	>92.0	2360	Submicron grain size. It is used for finishing and semi-finishing of cast iron and non-ferrite materials.	K10-K30
MJK30UF	14.4-14.8	>91.5	2520	Submicron grain size. It is used to process cast iron and non-ferrite materials.	K15-K35
MJM15A	14.0-14.5	>91.5	2180	It is used to process stainless steel, non-ferrite materials and cast iron.	M10-M25
MJM25A	14.0-14.5	>91.0	2560	It is used to process stainless steel, non-ferrite materials and cast iron.	M20-M35
MJP10	10.0-11.0	>92.0	1760	It is used for finishing and semi-finishing of steel and cast steel.	P05-P15
MJP20	11.5-12.5	>91.5	1860	It is used to process alloy steel, high manganese steel and stainless steel.	P15-P30
MJP35	12.5-13.0	>90.0	2080	It is used for heavy duty roughing of cast steel and forged steel.	P25-P45
MJU810	14.6-14.8	≥93.0	3300	It is used to finishing of aluminum alloy, cast iron and stainless steel.	K01-K10
MJU820	14.8-15.0	≥92.5	3800	It is used for roughing and semi-finishing cast iron, stainless steel and non-ferrite materials.	K10-K20



















Grade for aluminium turning Inserts

Grade	Coating	Color	Applications	ISO
MJK309	DLC	black	Substrate: YG8	K25-K35
MJK209	DLC	black	Substrate: ZM15A	K10-K30
MJK109	DLC	black	Substrate: ZK10UF	K01-K10
MJU810	/	shining	Uncoated, polishing. It is ideal for roughing and semi-finishing aluminum alloy.	K01-K10

Grade for high Precision Turning Inserts

Grade	Applications	ISO
MJP20	Uncoated. Polishing.	P15-P30
MJU810	Uncoated. Polishing.	K01-K10

Chip-breaker Application Key

	Recommended geometry	Workpiece material	Recommended data
Finishing machining	-FB -FP -W KNUX-	  	ap=0.1-2.0(mm) fn=0.05-0.35(mm/r)
	-FB -FP W KNUX-		ap=0.1-2.0(mm) fn=0.1-0.3(mm/r)
	-FB -FP W -F -A -H KNUX- RCMX-		ap=0.5-2.0(mm) fn=0.075-0.4(mm/r)
	-LH		ap=0.1-2.0(mm) fn=0.05-0.4(mm/r)
Semi-finishing machining	-MB -MC -MP -GS -CK RCMX-	  	ap=1-4(mm) fn=0.2-0.5(mm/r)
	-MB -MP -GS -CK KNUX-		ap=1-3.5(mm) fn=0.2-0.4(mm/r)
	-MC -MP -CK RCMX-		ap=1-3(mm) fn=0.2-0.4(mm/r)
	-LH		ap=1-4(mm) fn=0.2-0.4(mm/r)
Rough machining	-RB -RP -CK RCMX-	  	ap=3-7(mm) fn=0.3-0.7(mm/r)
	-RB -RP -CK		ap=2-5(mm) fn=0.3-0.6(mm/r)
	-RB -CK		ap=3-6(mm) fn=0.3-0.6(mm/r)
	-LH		ap=0.5-5(mm) fn=0.2-0.6(mm/r)

All technology data in this catalogue is used under some conditions, please use it as your producing environment.



Steel



Stainless steel



Cast iron



Non-ferrite materials












Heat resistant steel












Hardened material

Product Overview

General Turning Inserts

								
CNMG-FB	CNMG-MB	CNMG-MC	CNMM-RB	CNMM-W	CNMA	DNMG-FB	DNMG-MB	DNMG-MC
B 1	B 1	B 2	B 2	B 3	B 3	B 4	B 4	B 5

								
DNMG-GS	DNMM-RB	DNMM-GS	DNMA	SNMG-FB	SNMG-MB	SNMG-MC	SNMM-V	SNGN
B 5	B 5	B 6	B 6	B 7	B 7	B 8	B 8	B 9

								
SNGA	TNMG-FB	TNMG-MB	TNMG-MC	TNMG-A	TNMG-CK	TNMM-W	TNMM-A	TNMM-CK
B 9	B 10	B 10	B 11	B 11	B 11	B 12	B 12	B 12

								
TNGA	VNMG-FB	VNMG-MB	VNMG-MC	WNMG-FB	WNMG-MB	WNMG-MC	WNMG-PS	WNMG-HS
B 13	B 13	B 13	B 14	B 14	B 14	B 15	B 15	B 15










								
WNMM-PS	WNMM-HS	WNMA	RNMG-V	CCMT-FP	CCMT-MP	CCMT-RP	CCMW	CPGW
B 16	B 16	B 16	B 17	B 17	B 18	B 18	B 19	B 19

								
DCMT-FP	DCMT-MP	DCMT-RP	DCGW	SCMT-FP	SCMT-MP	SCMT-V	SCMT-RP	SCMW
B 19	B 20	B 20	B 20	B 21	B 21	B 21	B 22	B 22



								
SPMW	SPMR-W	SPGN	TCMT-FP	TCMT-MP	TCMT-RP	TCGW	TPGB	TCGH
B 22	B 23	B 23	B 24	B 24	B 25	B 25	B 25	B 26

Product Overview

General Turning Inserts










								
TPGN	TPMR	TPGW	U3-U6	VBMT-FP	VBGW	VBMT-MP	WCMX-V	PD--
B 26	B 27	B 27	B 28	B 28	B 28	B 29	B 29	B 29

	
RCGT	KNUX
B 30	B 30

	
ZQMX	MGMN
B 31	B 31

	
External Threading	Internal Threading
B 32	B 32

Peeling Inserts

								
009241N2	HNMX	HNGX	RNGH	LPUC	LNUC	LNGF-F	LNGF	YNMX-L
B 33	B 33	B 33	B 33	B 34	B 34	B 34	B 34	B 35

		
XNGX	L40.2X25.4X9.6-2Φ9.1	Welding scraping knife
B 35	B 35	B 35

Aluminium Turning Inserts

								
TCGX-LH	TCGT-LH	SCGX-LH	SCGT-LH	CCGX-LH	CCGT-LH	DCGX-LH	DCGT-LH	VCGX-LH
C 1	C 1	C 1	C 2	C 2	C 2	C 3	C 3	C 3

	
VCGT-LH	SEKT-LH
C 4	C 4

Product Overview

High Precision Turning Inserts

								
TNGG-A	TNGG-F	TCGT-F	WCGT-F	WPGT-F	SNGG-A	SPGR-A	CCET-H	CCGT-A
D 1	D 1	D 2	D 2	D 2	D 3	D 3	D 3	D 4

								
CPGT-F	DNNGG-H	DCGT-H	DCGT-A	DCGT-F	VNGG-H	VBGT-H	VBGT-F	VCGT-F
D 4	D 4	D 5	D 5	D 5	D 6	D 6	D 6	D 6

PCBN&PCD Inserts

								
TNGN	TPGN	TNGA	TPMH	TPGB	TCMT	TCGW E/S	TNMM	TCGW
E 1	E 1	E 1	E 2	E 2	E 2	E 3	E 3	E 3







								
WPMT	WCMT	SNGN	SPGN	SEGN	SNGA	SPGB	CNGA	CCGW
E 4	E 4	E 4	E 4	E 5	E 5	E 5	E 5	E 6

								
CPGB	CNMM	CCMT	CCMH	DNNGA	DCMW	DCMT	DNMM	VNGA
E 6	E 6	E 7	E 7	E 7	E 8	E 8	E 8	E 9









		
VNMM	VBGW	VCGW
E 9	E 9	E 9









Product Overview

Milling Inserts

							
TNEN	TNJV-ANEN	TPCN-PPN	TPCN-PDR/L	TECN	TFAN	SNAN-ENN	SNAN-ANN
F 1	F 1	F 1	F 2	F 2	F 2	F 3	F 3

							
SBEX-ZZ	SPEN-EDR	SPEN-WC	SPCN-APN	SPAN-EDR/L	SPCN-ZDTR/L	SPEN	SDCN-ZTN
F 4	F 4	F 4	F 4	F 5	F 5	F 5	F 6

							
SDKN-ZEN	SDKN-AEN	SECN-EER/L	SEKN-AFN	SEMN-AEN	SEKN-AZ	SEKR-YM	SFAN-EFR/L
F 6	F 6	F 6	F 7	F 7	F 7	F 8	F 8

							
SFAN-ZZR/L	SOMX-AEN	SNEX-ENN	LPEX-EDR/L	SPEX-EDR/L	SECX-EDR/L	SFCX-EFR/L	TPCW-PDR/L
F 8	F 8	F 9	F 9	F 9	F 9	F 10	F 10

							
CPCW-PDR	P2800-0	SPCW-EDR/L	P22215-00	P2706-3	RCKX-MP	HEEN532	OFXR-FB
F 10	F 10	F 11	F 11	F 11	F 11	F 12	F 12

							
OFER-NN	OFMT-NN	ODHW-ZZN	ODHT-M2.5	APMT-PDR	APKT-FC	APFT-PDR	APKT-R
F 12	F 12	F 12	F 13	F 13	F 13	F 13	F 13

							
LCMX	LCMX	CNE323	LNKX-MM	LNE32.524	LNE	FNC	LNHX
F 14	F 14	F 14	F 14	F 15	F 15	F 15	F 15

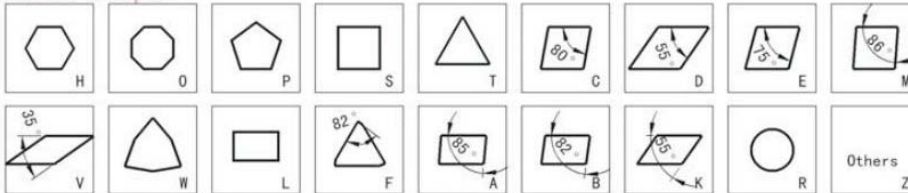
ISO-Indexable Inserts Code Key

Example

Inscribed circle diameter							Thickness					Nose radius								
Code(inch)	2	3	4	5	6	8	Code(inch)	2	3	4	5	6	Code(inch)	0	1	2	3	4	5	6
Inscribed circle diameter (mm)	6.35	9.525	12.7	15.875	19.05	25.4	Thickness (mm)	3.18	4.76	6.35	7.94	9.52	Nose radius (mm)	0.2	0.4	0.8	1.2	1.6	2.0	2.4

S	C	G	T	4	3	2			MP
1	2	3	4	5	6	7	8	9	10
T	N	M	M	16	03	04		R	-A2
1	2	3	4	5	6	7	8	9	10
S	P	K	N	15	04	ED	T	R	
1	2	3	4	5	6	7	8	9	

1 Insert shape

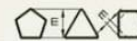


2 Major cutting edge clearance angle



3 Tolerances mm / inch

D: Theoretical diameter of inscribed circle
 S: Insert thickness
 m: See Fig



Letter symbol	Tolerances, in. mm inch			Tolerances in inches		
	m	s	d	m	s	d
A	±0.005	±0.025	±0.025	±0.0002	±0.001	±0.0010
F	±0.005	±0.025	±0.013	±0.0002	±0.001	±0.0005
C	±0.013	±0.025	±0.025	±0.0005	±0.001	±0.0010
H	±0.013	±0.025	±0.013	±0.0005	±0.001	±0.0005
E	±0.025	±0.025	±0.025	±0.0010	±0.001	±0.0010
G	±0.025	±0.13	±0.025	±0.0010	±0.005	±0.0010
J	±0.005	±0.025	±0.05 ±0.13	±0.0002	±0.001	±0.002 ±0.005
K	±0.013	±0.025	±0.05 ±0.13	±0.0005	±0.001	±0.002 ±0.005
L	±0.025	±0.025	±0.05 ±0.13	±0.0010	±0.001	±0.002 ±0.005
M	±0.08 ±0.18	±0.13	±0.05 ±0.13	±0.003 ±0.007	±0.005	±0.002 ±0.005
N	±0.08 ±0.18	±0.025	±0.05 ±0.13	±0.003 ±0.007	±0.001	±0.002 ±0.005
U	±0.13 ±0.38	±0.13	±0.08 ±0.25	±0.005 ±0.015	±0.005	±0.003 ±0.010

Varies depending on the insert size for insert shapes H, O, P, S, T, C, E, M, W, R, V and D See table below
 Insert shape H, O, P, S, T, C, E, M, W, R

Inscribed circle diameter		Tolerances for M				Tolerances for d			
		Class M		Class U		Class M, J, K, L		Class U	
(mm)	in	(mm)	in	(mm)	in	(mm)	in	(mm)	in
6.35	0.250	±0.08	±0.003	±0.13	±0.005	±0.05	±0.002	±0.008	±0.003
9.525 (10)	0.375	±0.08	±0.003	±0.13	±0.005	±0.05	±0.002	±0.008	±0.003
12.7 (12)	0.500	±0.13	±0.005	±0.20	±0.008	±0.08	±0.003	±0.013	±0.005
15.875 (16)	0.625	±0.15	±0.006	±0.27	±0.011	±0.10	±0.004	±0.018	±0.007
19.05 (20)	0.750	±0.15	±0.006	±0.27	±0.011	±0.10	±0.004	±0.018	±0.007
25.4	1.000	±0.18	±0.007	±0.38	±0.015	±0.13	±0.005	±0.025	±0.010

ISO-Indexable Inserts Code Key

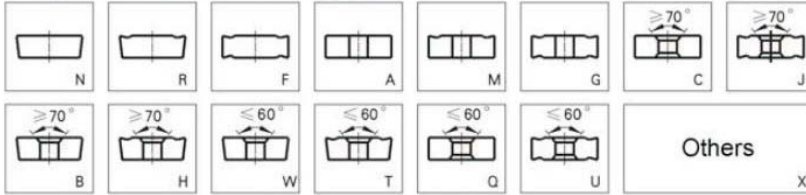
Insert shape D

Inscribed circle diameter		Tolerances for m		Tolerances for d	
(mm)	in	(mm)	in	(mm)	in
6.35	0.250	± 0.11	± 0.004	± 0.05	± 0.002
9.525	0.375	± 0.11	± 0.004	± 0.05	± 0.002
12.70	0.500	± 0.15	± 0.006	± 0.08	± 0.003
15.875	0.625	± 0.18	± 0.007	± 0.10	± 0.004
19.05	0.750	± 0.18	± 0.007	± 0.10	± 0.004

Insert shape V

Inscribed circle diameter		Tolerances for m		Tolerances for d	
(mm)	in	(mm)	in	(mm)	in
6.35	0.250	± 0.15	± 0.006	± 0.05	± 0.002
9.525	0.375	± 0.15	± 0.006	± 0.05	± 0.002
12.70	0.500	± 0.20	± 0.008	± 0.08	± 0.003
15.875	0.625	± 0.27	± 0.011	± 0.10	± 0.004
19.05	0.750	± 0.27	± 0.011	± 0.10	± 0.004

4 Chipbreaker and/or fixing type



5 Cutting edge length (mm)

Integers to be preceded by .eg. 9, 52mm indicated with 09.

ic mm	ic inch	C	D	R	S	T	V	W	K
3.97	5/32"				03	06			
5.0				05					
5.56	7/32"				05	09		03	
6.0				06				04	
6.35	1/4"	06	07		06	11	11		
8.0				08					
9.525	3/8"	09	11	09	09	16	16	06	16
10.0				10					
12.0				12					
12.7	1/2"	12	15	12	12	22	22	08	
15.875	5/8"	16	19	15	15	27		10	
16.0				16					
19.05	3/4"	19		19	19	33			
20.0				20					
25.0		25		25					
25.4	1"	25.4		25	25				
31.75				31					
32				32					

6 Insert thickness (mm)

(mm)		00=0.79	01=1.59
		T0=0.99	T1=1.98
02=2.38	04=4.76	06=6.35	T9=9.72
T2=2.58	T4=4.96	T6=6.75	11=11.11
03=3.18	05=5.56	07=7.94	12=12.70
T3=3.97	T5=5.95	09=9.525	

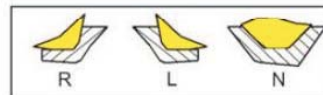
7 Nose radius, r mm

Milling inserts	Turning inserts
 A-15° D-60° E-75° F-85° P-90° Z-0thers	 00-Sharp 02-0.2 04-0.4 08-0.8 12-1.2 16-1.6 20-2.0 N-0° P-11° Z- Other

8 Cutting edge condition

F				K
E		0-5° 1-10° 2-15° 3-20° 4-25° 5-30°	0-0.1 1-0.15 2-0.2 3-0.25 4-0.35 5-0.4 6-0.45	P
T				W
S				No mark

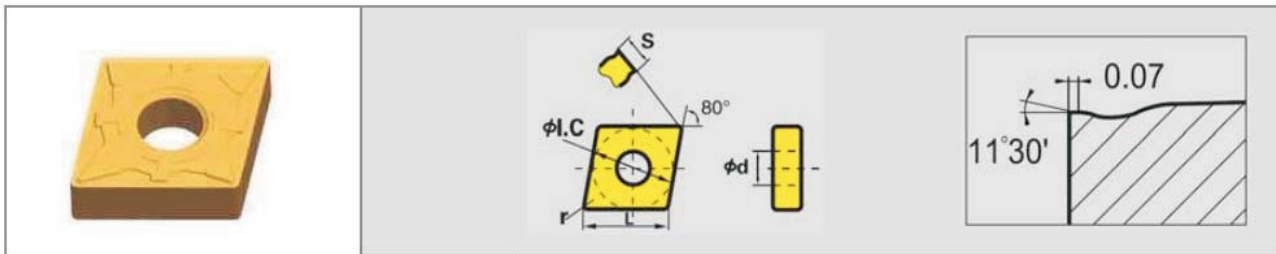
9 Feeding direction



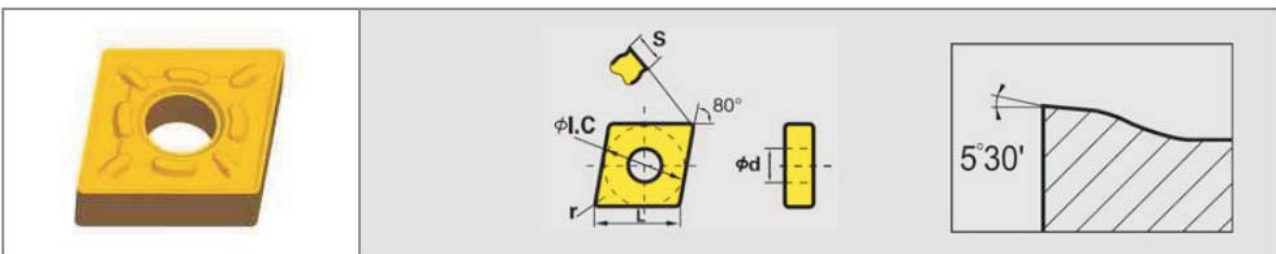
10 Chipbreakers code

Position 10 indicates the cutting properties & chipbreakers of inserts.

General Turning Inserts


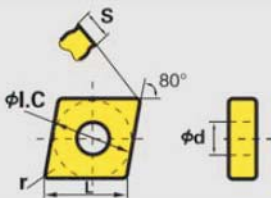
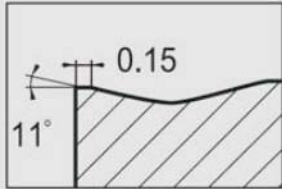



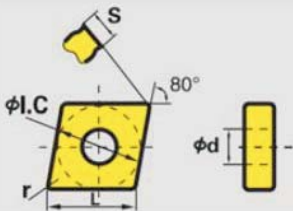
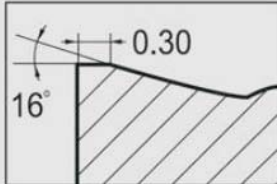
Type			Dimension (mm)				
	ISO	inch	L	Φ I.C	S	Φ d	r
CNMG	090304-FB	321-FB	9.7	9.525	3.18	3.81	0.4
	090308-FB	322-FB	9.7	9.525	3.18	3.81	0.8
	120404-FB	431-FB	12.9	12.7	4.76	5.16	0.4
	120408-FB	432-FB	12.9	12.7	4.76	5.16	0.8
	120412-FB	433-FB	12.9	12.7	4.76	5.16	1.2
	160608-FB	542-FB	16.1	15.88	6.35	6.35	0.8
	160612-FB	543-FB	16.1	15.88	6.35	6.35	1.2




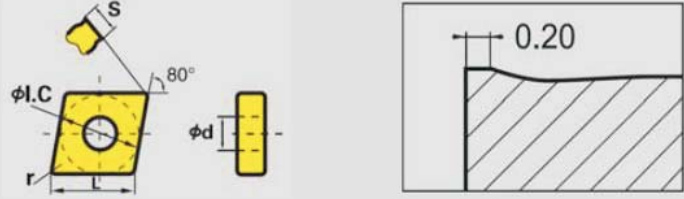
Type			Dimension (mm)				
	ISO	inch	L	Φ I.C	S	Φ d	r
CNMG	090304-MB	321-MB	9.7	9.525	3.18	3.81	0.4
	090308-MB	322-MB	9.7	9.525	3.18	3.81	0.8
	090312-MB	323-MB	9.7	9.525	3.18	3.81	1.2
	120404-MB	431-MB	12.9	12.7	4.76	5.16	0.4
	120408-MB	432-MB	12.9	12.7	4.76	5.16	0.8
	120412-MB	433-MB	12.9	12.7	4.76	5.16	1.2
	120416-MB	434-MB	12.9	12.7	4.76	5.16	1.6
	160608-MB	542-MB	16.1	15.875	6.35	6.35	0.8
	160612-MB	543-MB	16.1	15.875	6.35	6.35	1.2
	160616-MB	544-MB	16.1	15.875	6.35	6.35	1.6
	190608-MB	642-MB	19.3	19.05	6.35	7.94	0.8
	190612-MB	643-MB	19.3	19.05	6.35	7.94	1.2
	190616-MB	644-MB	19.3	19.05	6.35	7.94	1.6

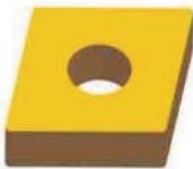
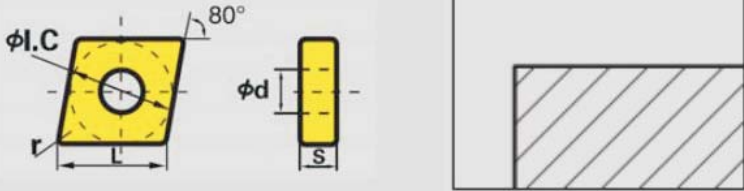
General Turning Inserts

							
Type			Dimension (mm)				
	ISO	inch	L	Φ I.C	S	Φ d	r
CNMG	090304-MC	321-MC	9.7	9.525	3.18	3.81	0.4
	090308-MC	322-MC	9.7	9.525	3.18	3.81	0.8
	090312-MC	323-MC	9.7	9.525	3.18	3.81	1.2
	120404-MC	431-MC	12.9	12.7	4.76	5.16	0.4
	120408-MC	432-MC	12.9	12.7	4.76	5.16	0.8
	120412-MC	433-MC	12.9	12.7	4.76	5.16	1.2
	120416-MC	434-MC	12.9	12.7	4.76	5.16	1.6
	160608-MC	542-MC	16.1	15.875	6.35	6.35	0.8
	160612-MC	543-MC	16.1	15.875	6.35	6.35	1.2
	160616-MC	544-MC	16.1	15.875	6.35	6.35	1.6
	190608-MC	642-MC	19.3	19.05	6.35	7.94	0.8
	190612-MC	643-MC	19.3	19.05	6.35	7.94	1.2
190616-MC	644-MC	19.3	19.05	6.35	7.94	1.6	


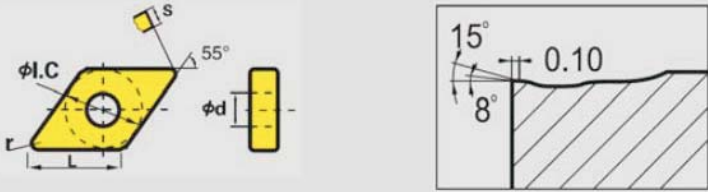
							
Type			Dimension (mm)				
	ISO	inch	L	Φ I.C	S	Φ d	r
CNMM	120408-RB	432-RB	12.9	12.7	4.76	5.16	0.8
	120412-RB	433-RB	12.9	12.7	4.76	5.16	1.2
	120416-RB	434-RB	12.9	12.7	4.76	5.16	1.6
	160608-RB	542-RB	16.1	15.875	6.35	6.35	0.8
	160612-RB	543-RB	16.1	15.875	6.35	6.35	1.2
	160616-RB	544-RB	16.1	15.875	6.35	6.35	1.6
	190612-RB	643-RB	19.3	19.05	6.35	7.94	1.2
	190616-RB	644-RB	19.3	19.05	6.35	7.94	1.6
	190624-RB	646-RB	19.3	19.05	6.35	7.94	2.4


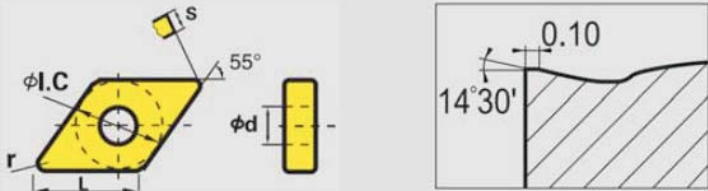
General Turning Inserts


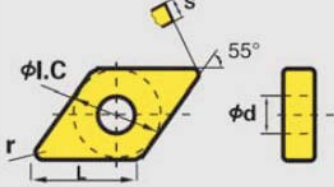
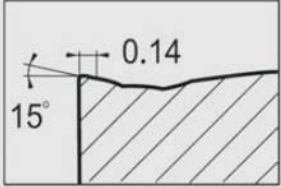
							
Type			Dimension (mm)				
	ISO	inch	L	Φ I.C	S	Φ d	r
CNMM	120404-W	431-W	12.9	12.7	4.76	5.16	0.4
	120408-W	432-W	12.9	12.7	4.76	5.16	0.8
	120412-W	433-W	12.9	12.7	4.76	5.16	1.2
	190608-W	642-W	19.3	19.05	6.35	7.94	0.8
	190612-W	643-W	19.3	19.05	6.35	7.94	1.2
	190616-W	644-W	19.3	19.05	6.35	7.94	1.6
	190624-W	646-W	19.3	19.05	6.35	7.94	2.4

							
Type			Dimension (mm)				
	ISO	inch	L	Φ I.C	S	Φ d	r
CNMA	120404	431	12.9	12.7	4.76	5.16	0.4
	120408	432	12.9	12.7	4.76	5.16	0.8
	120412	433	12.9	12.7	4.76	5.16	1.2
	120416	434	12.9	12.7	4.76	5.16	1.6
	160612	543	16.1	15.875	6.35	6.35	1.2
	160620	545	16.1	15.875	6.35	6.35	2
	190612	643	19.3	19.05	6.35	7.94	1.2
	190616	644	19.3	19.05	6.35	7.94	1.6

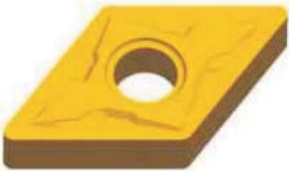
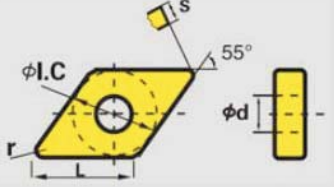
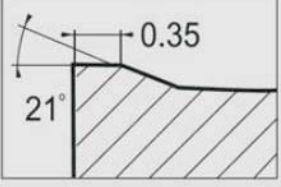
General Turning Inserts

							
Type			Dimension (mm)				
	ISO	inch	L	Φ I.C	S	Φ d	r
DNMG	110404-FB	331-FB	11.6	9.525	4.76	3.81	0.4
	110408-FB	332-FB	11.6	9.525	4.76	3.81	0.8
	110412-FB	333-FB	11.6	9.525	4.76	3.81	1.2
	150404-FB	431-FB	15.5	12.7	4.76	5.16	0.4
	150408-FB	432-FB	15.5	12.7	4.76	5.16	0.8
	150604-FB	441-FB	15.5	12.7	6.35	5.16	0.4
	150608-FB	442-FB	15.5	12.7	6.35	5.16	0.8
	150612-FB	443-FB	15.5	12.7	6.35	5.16	1.2


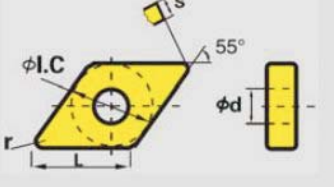
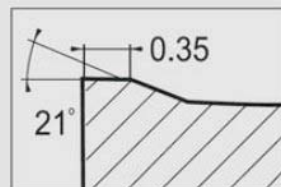
							
Type			Dimension (mm)				
	ISO	inch	L	Φ I.C	S	Φ d	r
DNMG	110404-MB	331-MB	11.6	9.525	4.76	3.81	0.4
	110408-MB	332-MB	11.6	9.525	4.76	3.81	0.8
	110412-MB	333-MB	11.6	9.525	4.76	3.81	1.2
	150404-MB	431-MB	15.5	12.7	4.76	5.16	0.4
	150408-MB	432-MB	15.5	12.7	4.76	5.16	0.8
	150412-MB	433-MB	15.5	12.7	4.76	5.16	1.2
	150604-MB	441-MB	15.5	12.7	6.35	5.16	0.4
	150608-MB	442-MB	15.5	12.7	6.35	5.16	0.8
	150612-MB	443-MB	15.5	12.7	6.35	5.16	1.2
	150616-MB	444-MB	15.5	12.7	6.35	5.16	1.6

Type			Dimension (mm)				
	ISO	inch	L	ϕ I.C	S	ϕ d	r
DNMG	110404-MC	331-MC	11.6	9.525	4.76	3.81	0.4
	110408-MC	332-MC	11.6	9.525	4.76	3.81	0.8
	110412-MC	333-MC	11.6	9.525	4.76	3.81	1.2
	150404-MC	431-MC	15.5	12.7	4.76	5.16	0.4
	150408-MC	432-MC	15.5	12.7	4.76	5.16	0.8
	150412-MC	433-MC	15.5	12.7	4.76	5.16	1.2
	150416-MC	434-MC	15.5	12.7	4.76	5.16	1.6
	150604-MC	441-MC	15.5	12.7	6.35	5.16	0.4
	150608-MC	442-MC	15.5	12.7	6.35	5.16	0.8
	150612-MC	443-MC	15.5	12.7	6.35	5.16	1.2
	150616-MC	444-MC	15.5	12.7	6.35	5.16	1.6


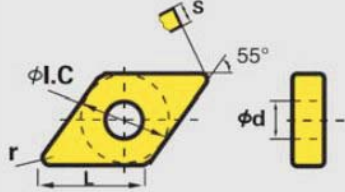
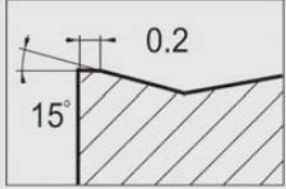





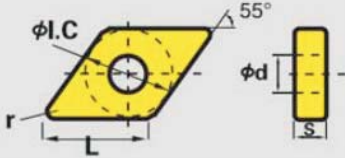

Type			Dimension (mm)				
	ISO	inch	L	ϕ I.C	S	ϕ d	r
DNMG	110404-GS	331-GS	11.6	9.525	4.76	3.81	0.4
	150404-GS	431-GS	15.5	12.7	4.76	5.16	0.4
	150408-GS	432-GS	15.5	12.7	4.76	5.16	0.8


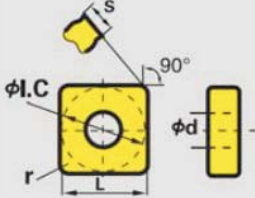
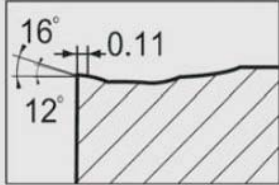
Type			Dimension (mm)				
	ISO	inch	L	ϕ I.C	S	ϕ d	r
DNMM	150608-RB	442-RB	15.5	12.7	6.35	5.16	0.8
	150612-RB	443-RB	15.5	12.7	6.35	5.16	1.2
	150616-RB	444-RB	15.5	12.7	6.35	5.16	1.6


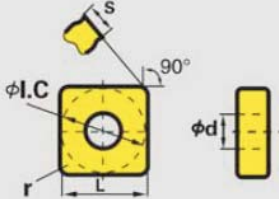
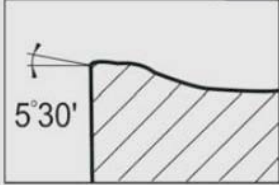
General Turning Inserts


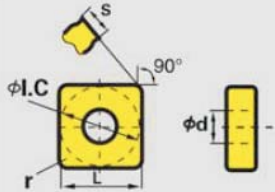
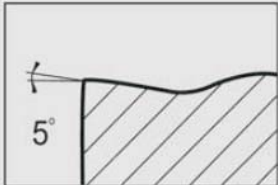
								
Type			Dimension (mm)					
	ISO	inch	L	Φ I.C	S	Φ d	r	
DNMM	110404-GS	331-GS	11.6	9.525	4.76	3.81	0.4	
	150404-GS	431-GS	15.5	12.7	4.76	5.16	0.4	
	150408-GS	432-GS	15.5	12.7	4.76	5.16	0.8	


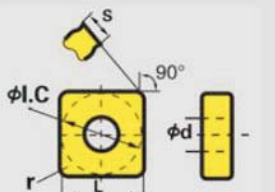
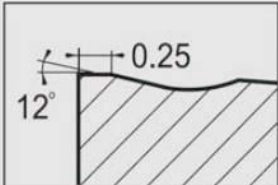
								
Type			Dimension (mm)					
	ISO	inch	L	Φ I.C	S	Φ d	r	
DNMA	110416	334	11.6	9.525	4.76	3.81	1.6	
	110424	336	11.6	9.525	4.76	3.81	2.4	
	150404	431	15.5	12.7	4.76	5.16	0.4	
	150408	432	15.5	12.7	4.76	5.16	0.8	
	150604	441	15.5	12.7	6.35	5.16	0.4	
	150608	442	15.5	12.7	6.35	5.16	0.8	
	150612	443	15.5	12.7	6.35	5.16	1.2	
DNMA	110416	334	11.6	9.525	4.76	3.81	1.6	
	110424	336	11.6	9.525	4.76	3.81	2.4	
	150404	431	15.5	12.7	4.76	5.16	0.4	
	150604	441	15.5	12.7	6.35	5.16	0.4	
	150608	442	15.5	12.7	6.35	5.16	0.8	
	150612	443	15.5	12.7	6.35	5.16	1.2	
	150616	444	15.5	12.7	6.35	5.16	1.6	

General Turning Inserts


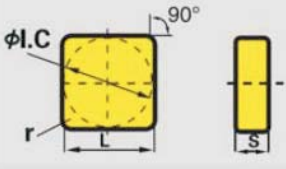
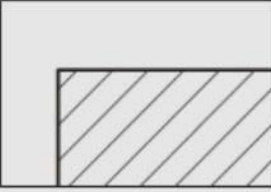
							
Type			Dimension (mm)				
	ISO	inch	L	ϕ I.C	S	ϕ d	r
SNMG	120408-FB	432-FB	12.7	12.7	4.76	5.16	0.8
	120412-FB	433-FB	12.7	12.7	4.76	5.16	1.2


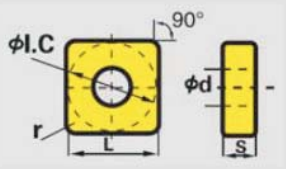
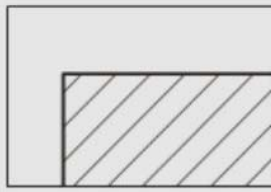
							
Type			Dimension (mm)				
	ISO	inch	L	ϕ I.C	S	ϕ d	r
SNMG	090304-MB	321-MB	9.525	9.525	3.18	3.81	0.4
	090308-MB	322-MB	9.525	9.525	3.18	3.81	0.8
	090312-MB	323-MB	9.525	9.525	3.18	3.81	1.2
	120404-MB	431-MB	12.7	12.7	4.76	5.16	0.4
	120408-MB	432-MB	12.7	12.7	4.76	5.16	0.8
	120412-MB	433-MB	12.7	12.7	4.76	5.16	1.2
	120416-MB	434-MB	12.7	12.7	4.76	5.16	1.6
	150608-MB	542-MB	15.875	15.875	6.35	6.35	0.8
	150612-MB	543-MB	15.875	15.875	6.35	6.35	1.2
	150616-MB	544-MB	15.875	15.875	6.35	6.35	1.6
	190612-MB	643-MB	19.05	19.05	6.35	7.94	1.2
	190616-MB	644-MB	19.05	19.05	6.35	7.94	1.6

							
Type			Dimension (mm)				
	ISO	inch	L	Φ I.C	S	Φ d	r
SNMG	090304-MC	321-MC	9.525	9.525	3.18	3.81	0.4
	090308-MC	322-MC	9.525	9.525	3.18	3.81	0.8
	090312-MC	323-MC	9.525	9.525	3.18	3.81	1.2
	120404-MC	431-MC	12.7	12.7	4.76	5.16	0.4
	120408-MC	432-MC	12.7	12.7	4.76	5.16	0.8
	120412-MC	433-MC	12.7	12.7	4.76	5.16	1.2
	120416-MC	434-MC	12.7	12.7	4.76	5.16	1.6
	150612-MC	543-MC	15.875	15.875	6.35	6.35	1.2
	190612-MC	643-MC	19.05	19.05	6.35	7.94	1.2


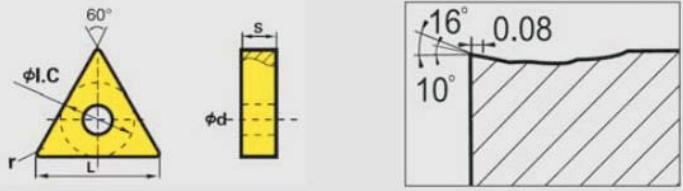
							
Type			Dimension (mm)				
	ISO	inch	L	Φ I.C	S	Φ d	r
SNMM	090304	321	9.525	9.525	3.18	3.81	0.4
	090308	322	9.525	9.525	3.18	3.81	0.8
	120408	432	12.7	12.7	4.76	5.16	0.8
	120412	433	12.7	12.7	4.76	5.16	1.2
	120416	434	12.7	12.7	4.76	5.16	1.6
	150608	542	15.88	15.88	6.35	6.35	0.8
	150612	543	15.88	15.88	6.35	6.35	1.2
	190612	643	19.05	19.05	6.35	7.94	1.2
	190616	644	19.05	19.05	6.35	7.94	1.6


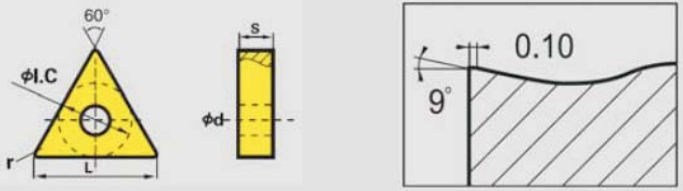
General Turning Inserts

							
Type			Dimension (mm)				
	ISO	inch	L	ϕ I.C	S	ϕ d	r
SNGN	090308	322	9.525	9.525	3.18	-	0.8
	120408	432	12.7	12.7	4.76	-	0.8
	150408	532	15.88	15.88	4.76	-	0.8
	190412	633	19.05	19.05	4.76	-	1.2

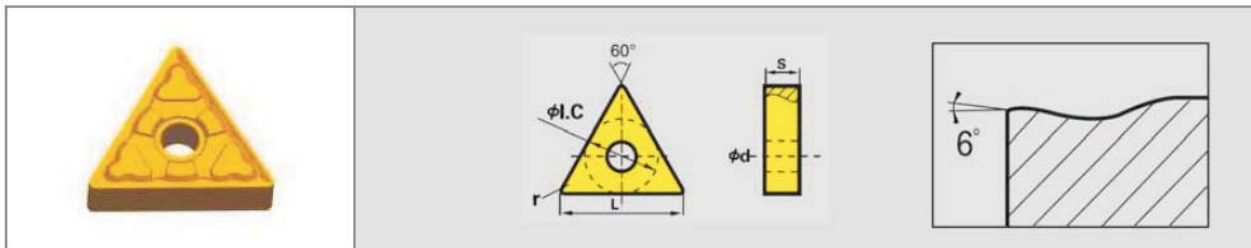
							
Type			Dimension (mm)				
	ISO	inch	L	ϕ I.C	S	ϕ d	r
SNMA	090304	321	9.525	9.525	3.18	3.81	0.4
	090308	322	9.525	9.525	3.18	3.81	0.8
	120404	431	12.7	12.7	4.76	5.16	0.4
	120408	432	12.7	12.7	4.76	5.16	0.8
	120416	434	12.7	12.7	4.76	5.16	1.6
	150608	542	15.875	15.875	6.35	6.35	0.8
	190612	643	19.05	19.05	6.35	7.94	1.2
	190616	644	19.05	19.05	6.35	7.94	1.6
SNGA	090316	324	9.525	9.525	3.18	3.81	1.6
	090408	332	9.525	9.525	4.76	3.81	0.8
	120404	431	12.7	12.7	4.76	5.16	0.4
	120408	432	12.7	12.7	4.76	5.16	0.8

General Turning Inserts

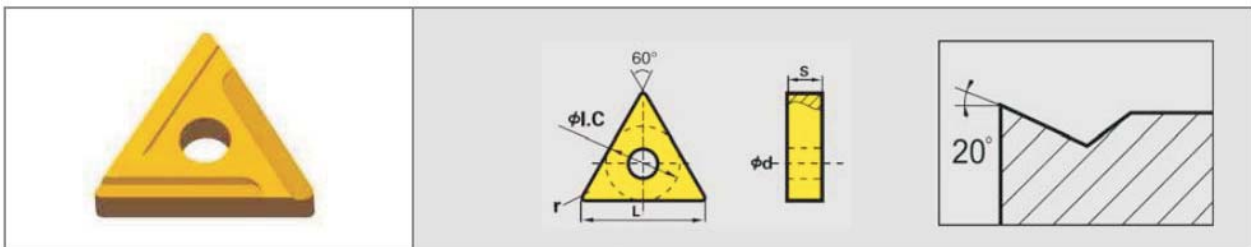
							
Type			Dimension (mm)				
	ISO	inch	L	Φ I.C	S	Φ d	r
TNMG	160404-FB	331-FB	16.5	9.525	4.76	3.81	0.4
	160408-FB	332-FB	16.5	9.525	4.76	3.81	0.8
	160412-FB	333-FB	16.5	9.525	4.76	3.81	1.2
	220408-FB	432-FB	22	12.7	4.76	5.16	0.8
	220412-FB	433-FB	22	12.7	4.76	5.16	1.2

							
Type			Dimension (mm)				
	ISO	inch	L	Φ I.C	S	Φ d	r
TNMG	110304-MB	221-MB	11	6.35	3.18	2.26	0.4
	160404-MB	331-MB	16.5	9.525	4.76	3.81	0.4
	160408-MB	332-MB	16.5	9.525	4.76	3.81	0.8
	160412-MB	333-MB	16.5	9.525	4.76	3.81	1.2
	220404-MB	431-MB	22	12.7	4.76	5.16	0.4
	220408-MB	432-MB	22	12.7	4.76	5.16	0.8
	220412-MB	433-MB	22	12.7	4.76	5.16	1.2
	220416-MB	434-MB	22	12.7	4.76	5.16	1.6

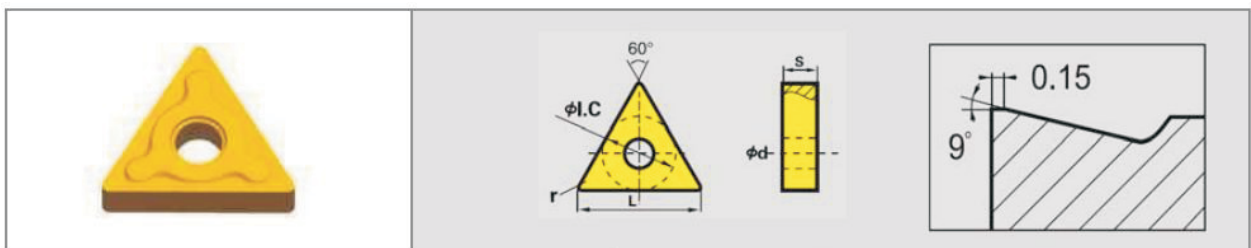
General Turning Inserts



Type			Dimension (mm)				
	ISO	inch	L	ϕ I.C	S	ϕ d	r
TNMG	110304-MC	221-MC	11	6.35	3.18	2.2	0.4
	110308-MC	222-MC	11	6.35	3.18	2.2	0.8
	160404-MC	331-MC	16.5	9.525	4.76	3.81	0.4
	160408-MC	332-MC	16.5	9.525	4.76	3.81	0.8
	160412-MC	333-MC	16.5	9.525	4.76	3.81	1.2
	220408-MC	432-MC	22	12.7	4.76	5.16	0.8
	220412-MC	433-MC	22	12.7	4.76	5.16	1.2
	220416-MC	434-MC	22	12.7	4.76	5.16	1.6






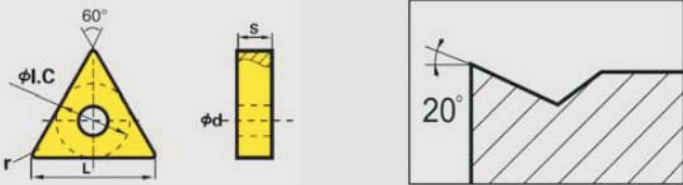
Type			Dimension (mm)				
	ISO	inch	L	ϕ I.C	S	ϕ d	r
TNMG	160404R/L-A2	331R/L-A3	16.5	9.525	4.76	3.81	0.4
	160408R/L-A2	332R/L-A3	16.5	9.525	4.76	3.81	0.8


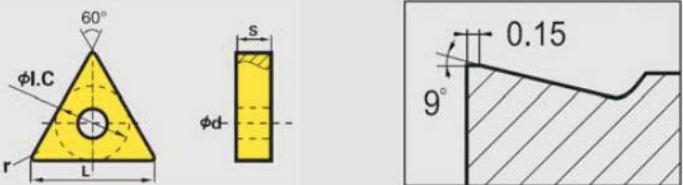



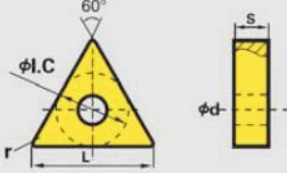
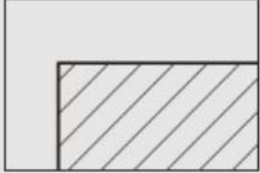
Type			Dimension (mm)				
	ISO	inch	L	ϕ I.C	S	ϕ d	r
TNMG	160404-CK	331-CK	16.5	9.525	4.76	3.81	0.4
	220408-CK	432-CK	22	12.7	4.76	5.16	0.8

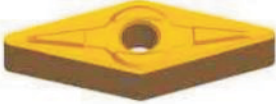
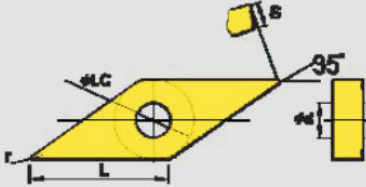
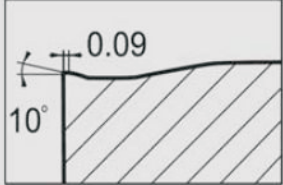
General Turning Inserts


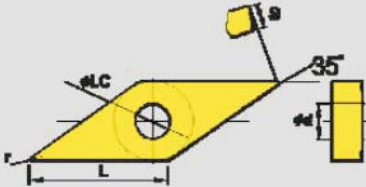
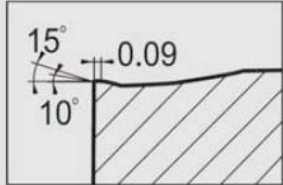
							
Type		Dimension (mm)					
	ISO	inch	L	Φ I.C	S	Φ d	r
TNMM	160404-W	331-W	16.5	9.525	4.76	3.81	0.4
	160408-W	332-W	16.5	9.525	4.76	3.81	0.8
	160412-W	333-W	16.5	9.525	4.76	3.81	1.2
	220408-W	432-W	22	12.7	4.76	5.16	0.8
	220412-W	433-W	22	12.7	4.76	5.16	1.2
	220416-W	434-W	22	12.7	4.76	5.16	1.6
	270616-W	544-W	27.5	15.875	6.35	6.35	1.6

							
Type		Dimension (mm)					
	ISO	inch	L	Φ I.C	S	Φ d	r
TNMM	160404R/L-A2	331R/L-A3	16.5	9.525	4.76	3.81	0.4
	160408R/L-A2	332R/L-A3	16.5	9.525	4.76	3.81	0.8

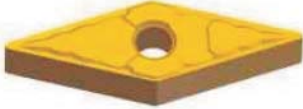
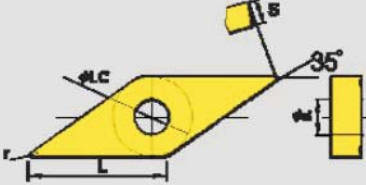
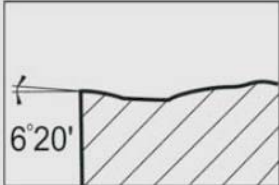
							
Type		Dimension (mm)					
	ISO	inch	L	Φ I.C	S	Φ d	r
TNMM	160404-CK	331-CK	16.5	9.525	4.76	3.81	0.4
	220408-CK	432-CK	22	12.7	4.76	5.16	0.8


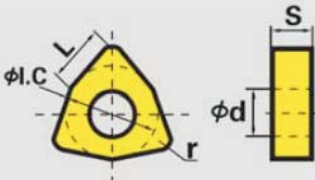
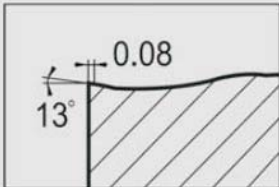
		 					
Type			Dimension (mm)				
	ISO	inch	L	Φ I.C	S	Φ d	r
TNMA	160304	321	16.5	9.525	3.18	3.81	0.4
	160308	322	16.5	9.525	3.18	3.81	0.8
	160404	331	16.5	9.525	4.76	3.81	0.4
	160408	332	16.5	9.525	4.76	3.81	0.8
	160412	333	16.5	9.525	4.76	3.81	1.2
	160416	334	16.5	9.525	4.76	3.81	1.6
	220404	431	22	12.7	4.76	5.16	0.4
	220408	432	22	12.7	4.76	5.16	0.8
	270616	544	27.5	15.875	6.35	6.35	1.6
TNGA	110304	221	11	6.35	3.18	2.26	0.4
	110308	222	11	6.35	3.18	2.26	0.8
	160404	331	16.5	9.525	4.76	3.81	0.4
	160416	334	16.5	9.525	4.76	3.81	1.6


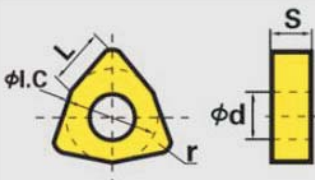
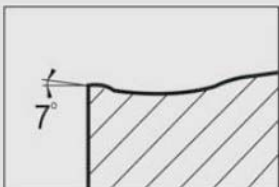
		 					
Type			Dimension (mm)				
	ISO	inch	L	Φ I.C	S	Φ d	r
VNMG	160408-MB	332-MB	16.6	9.525	4.76	3.81	0.8
	160412-MB	333-MB	16.6	9.525	4.76	3.81	1.2

		 					
Type			Dimension (mm)				
	ISO	inch	L	Φ I.C	S	Φ d	r
VNMG	160404-FB	331-FB	16.6	9.525	4.76	3.81	0.4
	160408-FB	332-FB	16.6	9.525	4.76	3.81	0.8

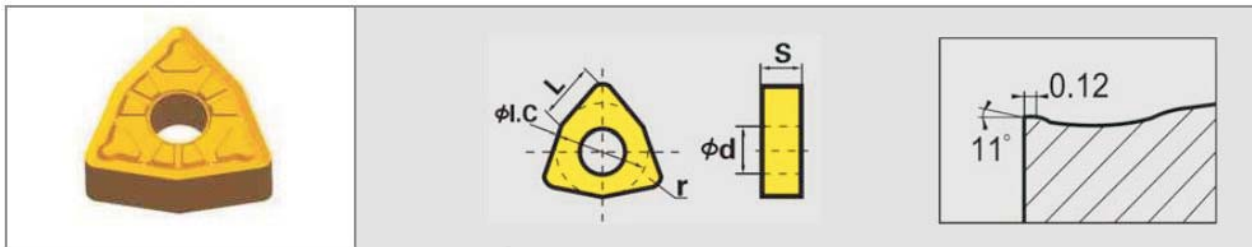
General Turning Inserts

							
Type			Dimension (mm)				
	ISO	inch	L	ϕ I.C	S	ϕ d	r
VNMG	160404-MC	331-MC	16.6	9.525	4.76	3.81	0.4
	160408-MC	332-MC	16.6	9.525	4.76	3.81	0.8
	160412-MC	333-MC	16.6	9.525	4.76	3.81	1.2

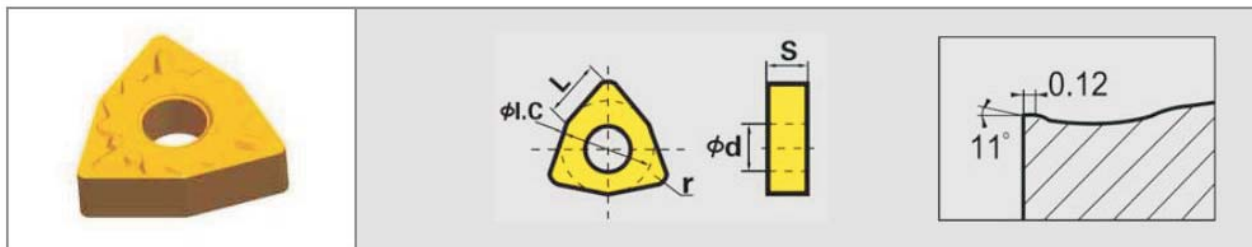
							
Type			Dimension (mm)				
	ISO	inch	L	ϕ I.C	S	ϕ d	r
WNMG	060404-FB	331-FB	6.5	9.525	4.76	3.81	0.4
	060408-FB	332-FB	6.5	9.525	4.76	3.81	0.8
	060412-FB	333-FB	6.5	9.525	4.76	3.81	1.2
	080404-FB	431-FB	8.7	12.7	4.76	5.16	0.4
	080408-FB	432-FB	8.7	12.7	4.76	5.16	0.8
	080412-FB	433-FB	8.7	12.7	4.76	5.16	1.2

							
Type			Dimension (mm)				
	ISO	inch	L	ϕ I.C	S	ϕ d	r
WNMG	060408-MB	332-MB	6.5	9.525	4.76	3.81	0.8
	060412-MB	333-MB	6.5	9.525	4.76	3.81	1.2
	080404-MB	431-MB	8.7	12.7	4.76	5.16	0.4
	080408-MB	432-MB	8.7	12.7	4.76	5.16	0.8
	080412-MB	433-MB	8.7	12.7	4.76	5.16	1.2

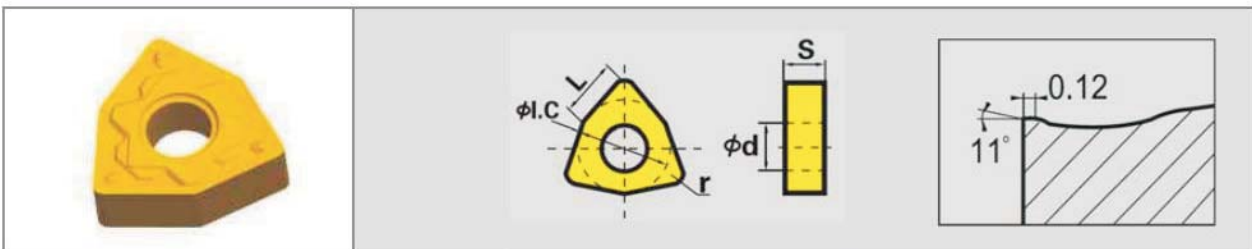
General Turning Inserts



Type			Dimension (mm)				
	ISO	inch	L	ϕ I.C	S	ϕ d	r
WNMG	060408-MC	332-MC	6.5	9.525	4.76	3.81	0.8
	060412-MC	333-MC	6.5	9.525	4.76	3.81	1.2
	080404-MC	431-MC	8.7	12.7	4.76	5.16	0.4
	080408-MC	432-MC	8.7	12.7	4.76	5.16	0.8
	080412-MC	433-MC	8.7	12.7	4.76	5.16	1.2
	080608-MC	442-MC	8.7	12.7	6.35	5.16	0.8

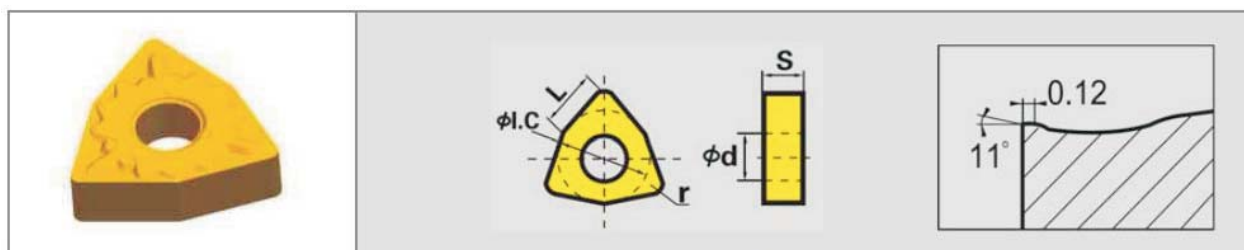


Type			Dimension (mm)				
	ISO	inch	L	ϕ I.C	S	ϕ d	r
WNMG	080404-PS	431-PS	8.68	12.7	4.76	5.16	0.4
	080408-PS	432-PS	8.68	12.7	4.76	5.16	0.8
	100608-PS	542-PS	10.86	15.875	6.35	6.35	0.8

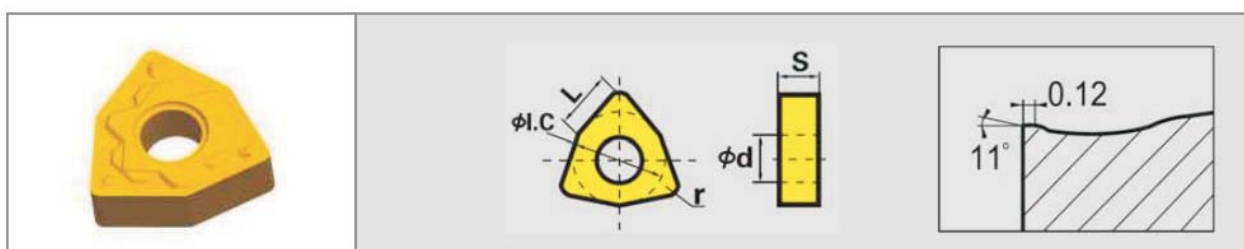


Type			Dimension (mm)				
	ISO	inch	L	ϕ I.C	S	ϕ d	r
WNMG	080404-HS	431-HS	8.68	12.7	4.76	5.16	0.4
	080408-HS	432-HS	8.68	12.7	4.76	5.16	0.8
	100608-HS	542-HS	10.86	15.875	6.35	6.35	0.8

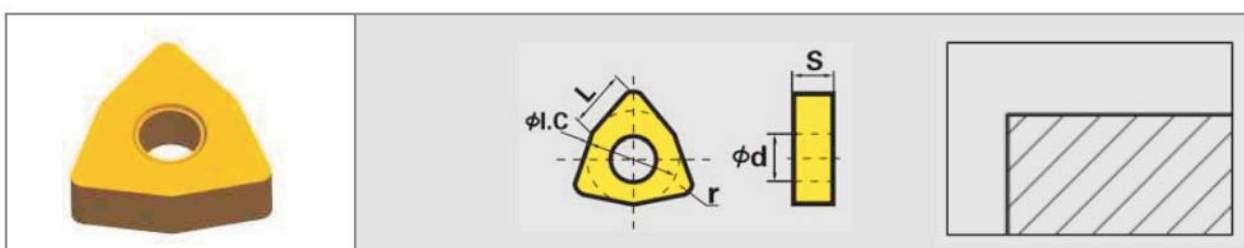
General Turning Inserts



Type			Dimension (mm)				
	ISO	inch	L	ϕ I.C	S	ϕ d	r
WNMM	080404-PS	431-PS	8.68	12.7	4.76	5.16	0.4
	080408-PS	432-PS	8.68	12.7	4.76	5.16	0.8
	100608-PS	542-PS	10.86	15.875	6.35	6.35	0.8


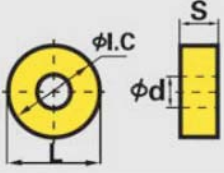


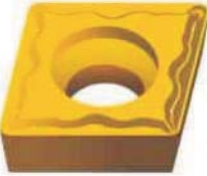
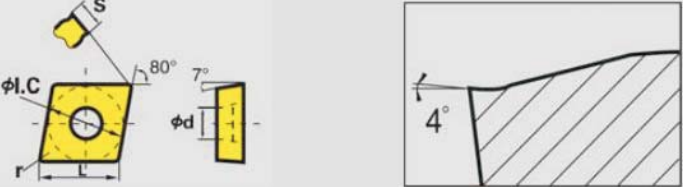
Type			Dimension (mm)				
	ISO	inch	L	ϕ I.C	S	ϕ d	r
WNMM	080404-HS	431-HS	8.68	12.7	4.76	5.16	0.4
	080408-HS	432-HS	8.68	12.7	4.76	5.16	0.8
	100608-HS	542-HS	10.86	15.875	6.35	6.35	0.8



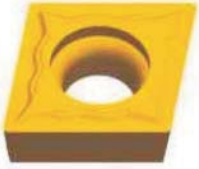
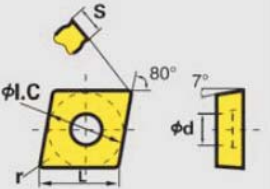

Type			Dimension (mm)				
	ISO	inch	L	ϕ I.C	S	ϕ d	r
WNMA	06T308	3(2.5)2	6.5	9.525	3.97	3.81	0.8
	060408	332	6.5	9.525	4.76	3.81	0.8
	080404	431	8.7	12.7	4.76	5.16	0.4
	080412	433	8.7	12.7	4.76	5.16	1.2
	080416	434	8.7	12.7	4.76	5.16	1.6


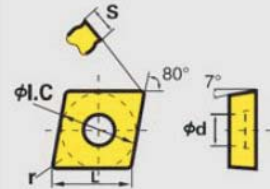
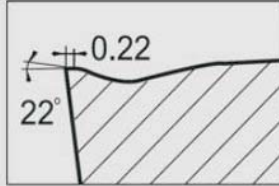
General Turning Inserts

						
Type			Dimension (mm)			
	ISO	inch	Φ I.C	S	Φ d	
RNMG	0903MO	-	9.525	3.18	3.81	
	1204MO	-	12.7	4.76	5.16	
	080300	-	8	3.18	2.26	
	10T300	-	10	3.97	3.81	
	120400	-	12	4.76	5.16	
	160500	-	16	5.56	6.35	
	200600	-	20	6.35	7.93	
	250700	-	25	7.93	9.12	

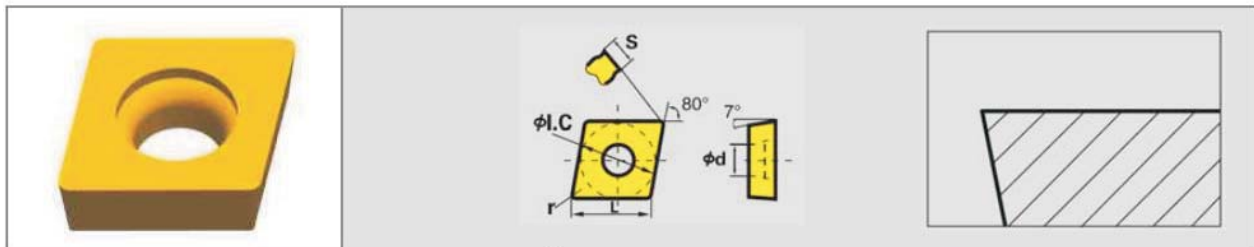
							
Type			Dimension (mm)				
	ISO	inch	L	Φ I.C	S	Φ d	r
CCMT	050202-MP	1.8(1.5)0-MP	5.56	5.56	2.38	2.5	0.2
	060202-MP	2(1.5)0-MP	6.4	6.35	2.38	2.8	0.2
	060204-MP	2(1.5)1-MP	6.4	6.35	2.38	2.8	0.4
	060208-MP	2(1.5)2-MP	6.4	6.35	2.38	2.8	0.8
	09T304-MP	3(2.5)1-MP	9.7	9.525	3.97	4.4	0.4
	09T308-MP	3(2.5)2-MP	9.7	9.525	3.97	4.4	0.8
	120404-MP	431-MP	12.9	12.7	4.76	5.5	0.4
	120408-MP	432-MP	12.9	12.7	4.76	5.6	0.8
	120412-MP	433-MP	12.9	12.7	4.76	5.6	1.2

General Turning Inserts

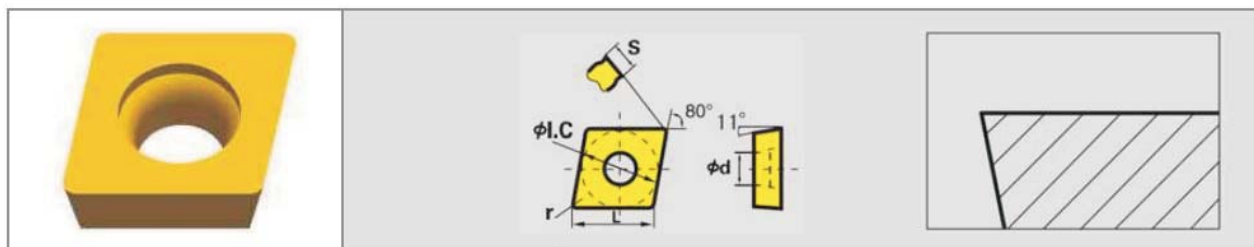
							
Type			Dimension (mm)				
	ISO	inch	L	ϕ I.C	S	ϕ d	r
CCMT	050202-FP	1.8(1.5)0-FP	5.56	5.56	2.38	2.5	0.2
	060202-FP	2(1.5)0-FP	6.4	6.35	2.38	2.8	0.2
	060204-FP	2(1.5)1-FP	6.4	6.35	2.38	2.8	0.4
	060208-FP	2(1.5)2-FP	6.4	6.35	2.38	2.8	0.8
	09T308-FP	3(2.5)2-FP	9.7	9.525	3.97	4.4	0.8
	120404-FP	431-FP	12.9	12.7	4.76	5.5	0.4

							
Type			Dimension (mm)				
	ISO	inch	L	ϕ I.C	S	ϕ d	r
CCMT	060204-RP	2(1.5)1-RP	6.4	6.35	2.38	2.8	0.4
	060208-RP	2(1.5)2-RP	6.4	6.35	2.38	2.8	0.8
	09T304-RP	3(2.5)1-RP	9.7	9.525	3.97	4.4	0.4
	09T308-RP	3(2.5)2-RP	9.7	9.525	3.97	4.4	0.8
	120408-RP	432-RP	12.9	12.7	4.76	5.5	0.8
	120412-RP	433-RP	12.9	12.7	4.76	5.5	1.2

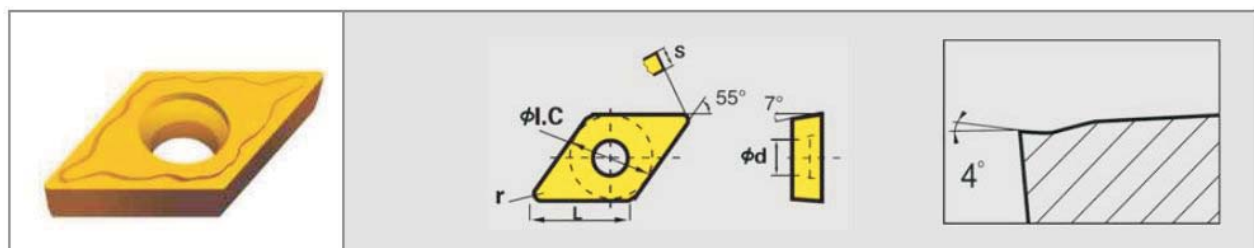
General Turning Inserts



Type			Dimension (mm)				
	ISO	inch	L	ϕ I.C	S	ϕ d	r
CCMW	060204	2(1.5)1	6.4	6.35	2.38	2.8	0.4
	090304	321	9.7	9.525	3.18	4.4	0.4
	09T304	3(2.5)1	9.7	9.525	3.97	4.4	0.4
	09T308	3(2.5)2	9.7	9.525	3.97	4.4	0.8
	120404	431	12.9	12.7	4.76	5.5	0.4
	120408	432	12.9	12.7	4.76	5.5	0.8

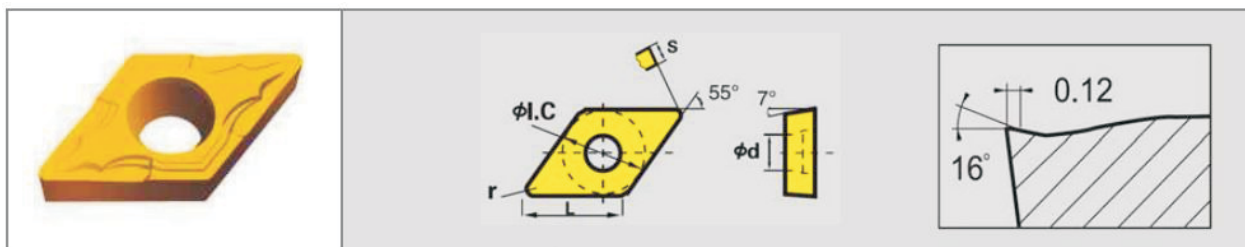


Type			Dimension (mm)				
	ISO	inch	L	ϕ I.C	S	ϕ d	r
CPGW	050204	1.8(1.5)1	5.6	5.56	2.38	2.5	0.4
	060204	2(1.5)1	6.4	6.35	2.38	2.8	0.4

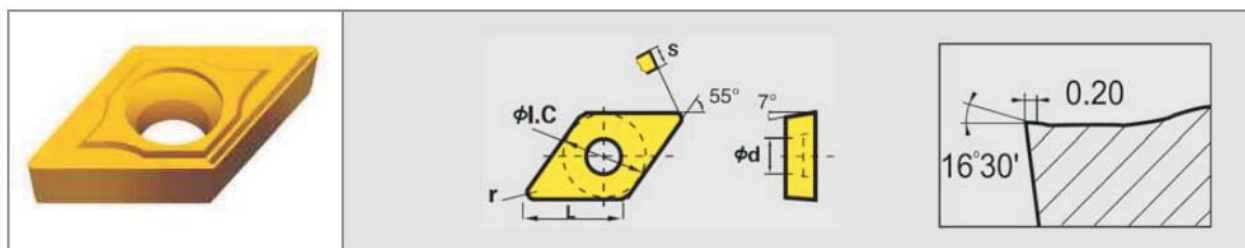


Type			Dimension (mm)				
	ISO	inch	L	ϕ I.C	S	ϕ d	r
DCMT	070202-FP	2(1.5)0-FP	7.8	6.35	2.38	2.8	0.2
	070204-FP	2(1.5)1-FP	7.8	6.35	2.38	2.8	0.4
	070208-FP	2(1.5)2-FP	7.8	6.35	2.38	2.8	0.8
	11T302-FP	3(2.5)0-FP	11.6	9.525	3.97	4.4	0.2
	11T304-FP	3(2.5)1-FP	11.6	9.525	3.97	4.4	0.4
	11T308-FP	3(2.5)2-FP	11.6	9.525	3.97	4.4	0.8

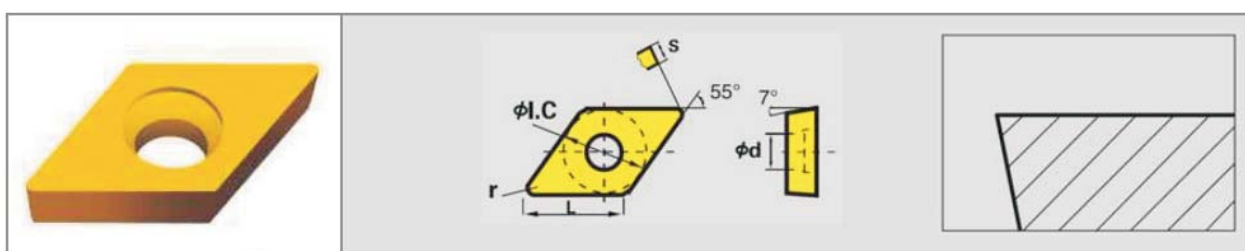
General Turning Inserts



Type		Dimension (mm)					
	ISO	inch	L	Φ I.C	S	Φ d	r
DCMT	070204-MP	2(1.5)1-MP	7.8	6.35	2.38	2.8	0.4
	070208-MP	2(1.5)2-MP	7.8	6.35	2.38	2.8	0.8
	11T304-MP	3(2.5)1-MP	11.6	9.525	3.97	4.4	0.4
	11T308-MP	3(2.5)2-MP	11.6	9.525	3.97	4.4	0.8
	11T312-MP	3(2.5)3-MP	11.6	9.525	3.97	4.4	1.2


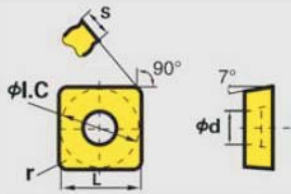
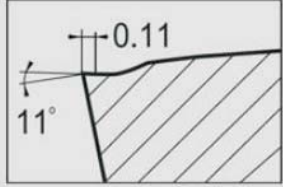



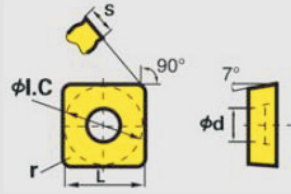
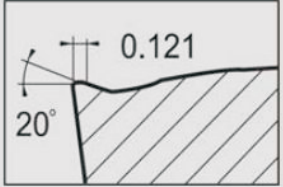
Type		Dimension (mm)					
	ISO	inch	L	Φ I.C	S	Φ d	r
DCMT	11T304-RP	3(2.5)1-RP	11.6	9.525	3.97	4.4	0.4
	11T308-RP	3(2.5)2-RP	11.6	9.525	3.97	4.4	0.8
	11T312-RP	3(2.5)3-RP	11.6	9.525	3.97	4.4	1.2


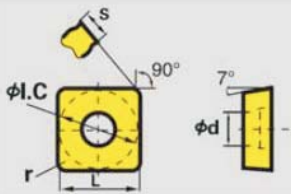
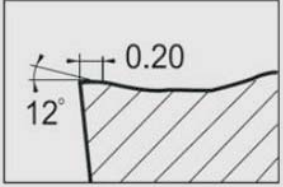


Type		Dimension (mm)					
	ISO	inch	L	Φ I.C	S	Φ d	r
DCMW	11T304	3(2.5)1	11.6	9.525	3.97	4.4	0.4
	11T308	3(2.5)2	11.6	9.525	3.97	4.4	0.8
DPMW	11T304	3(2.5)1	11.6	9.525	3.97	4.4	0.4
	11T308	3(2.5)2	11.6	9.525	3.97	4.4	0.8
DCGW	11T304	3(2.5)1	11.6	9.525	3.97	4.4	0.4
	11T308	3(2.5)2	11.6	9.525	3.97	4.4	0.8


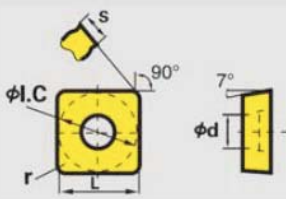
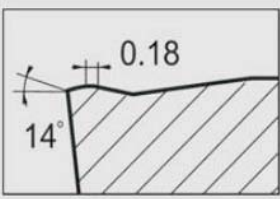
General Turning Inserts


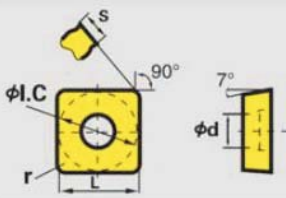

							
Type			Dimension (mm)				
	ISO	inch	L	ϕ I.C	S	ϕ d	r
SCMT	09T302-FP	3(2.5)0-FP	9.525	9.525	3.97	4.4	0.2
	09T304-FP	3(2.5)1-FP	9.525	9.525	3.97	4.4	0.4
	09T308-FP	3(2.5)2-FP	9.525	9.525	3.97	4.4	0.8


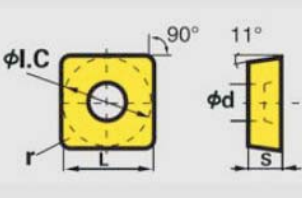

							
Type			Dimension (mm)				
	ISO	inch	L	ϕ I.C	S	ϕ d	r
SCMT	09T304-MP	3(2.5)1-MP	9.525	9.525	3.97	4.4	0.4
	09T308-MP	3(2.5)2-MP	9.525	9.525	3.97	4.4	0.8
	120404-MP	431-MP	12.7	12.7	4.76	5.56	0.4
	120408-MP	432-MP	12.7	12.7	4.76	5.56	0.8
	120412-MP	433-MP	12.7	12.7	4.76	5.56	1.2

							
Type			Dimension (mm)				
	ISO	inch	L	ϕ I.C	S	ϕ d	r
SCMT	09T304	3(2.5)1	9.525	9.525	3.97	4.4	0.4
	120408	431	12.7	12.7	4.76	5.5	0.4
	120408	432	12.7	12.7	4.76	5.5	0.8



General Turning Inserts


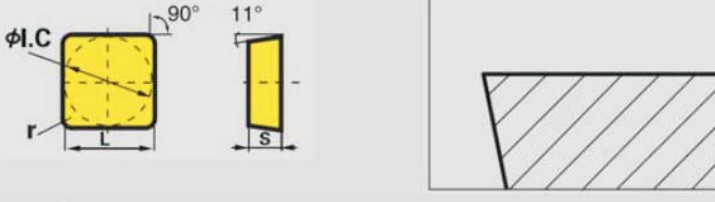
							
Type			Dimension (mm)				
	ISO	inch	L	ϕ I.C	S	ϕ d	r
SCMT	09T304-RP	3(2.5)1-RP	9.525	9.525	3.97	4.4	0.4
	09T308-RP	3(2.5)2-RP	9.525	9.525	3.97	4.4	0.8
	120404-RP	431-RP	12.7	12.7	4.76	5.56	0.4
	120408-RP	432-RP	12.7	12.7	4.76	5.56	0.8
	120412-RP	433-RP	12.7	12.7	4.76	5.56	1.2

							
Type			Dimension (mm)				
	ISO	inch	L	ϕ I.C	S	ϕ d	r
SCMW	060204	2(1.5)1	6.35	6.35	2.38	2.8	0.4
	09T304	3(2.5)1	9.525	9.525	3.97	4.4	0.4
	09T308	3(2.5)2	9.525	9.525	3.97	4.4	0.8
	120404	431	12.7	12.7	4.76	5.5	0.4
	150408	532	15.875	15.875	4.76	5.5	0.8


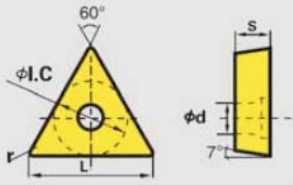
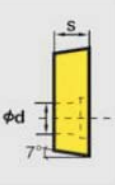
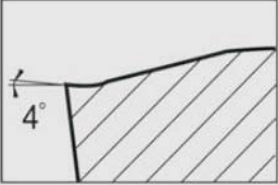
							
Type			Dimension (mm)				
	ISO	inch	L	ϕ I.C	S	ϕ d	r
SPMW	09T304	3(2.5)1	9.525	9.525	3.97	4.4	0.4
	09T308	3(2.5)2	9.525	9.525	3.97	4.4	0.8


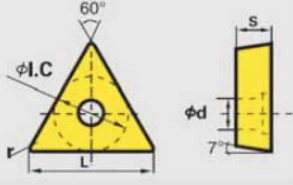
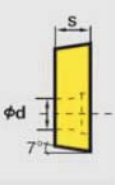
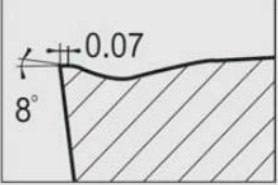
General Turning Inserts


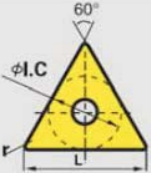
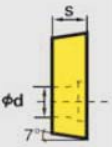
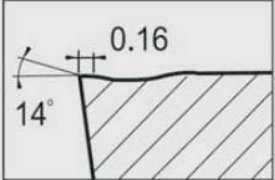
							
Type			Dimension (mm)				
	ISO	inch	L	Φ I.C	S	Φ d	r
SPMR	090304-W	321-W	9.525	9.525	3.18	-	0.4
	090308-W	322-W	9.525	9.525	3.18	-	0.8
	09T304-W	3(2.5)1-W	9.525	9.525	3.97	-	0.4
	09T308-W	3(2.5)2-W	9.525	9.525	3.97	-	0.8
	120304-W	421-W	12.7	12.7	3.18	-	0.4
	120308-W	422-W	12.7	12.7	3.18	-	0.8
	120312-W	423-W	12.7	12.7	3.18	-	1.2


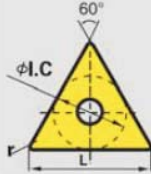
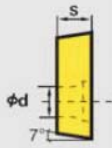
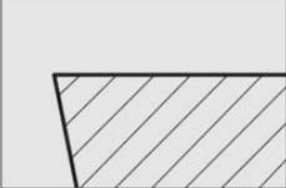
							
Type			Dimension (mm)				
	ISO	inch	L	Φ I.C	S	Φ d	r
SPGN	090304	321	9.525	9.525	3.18	-	0.4
	090308	322	9.525	9.525	3.18	-	0.8
	120308	422	12.7	12.7	3.18	-	0.8
	120404	431	12.7	12.7	4.76	-	0.4
	120408	432	12.7	12.7	4.76	-	0.8
	120412	433	12.7	12.7	4.76	-	1.2
	150404	531	15.875	15.875	4.76	-	0.4
	150408	532	15.875	15.875	4.76	-	0.8
	190408	632	19.05	19.05	4.76	-	0.8
	190416	634	19.05	19.05	4.76	-	1.6


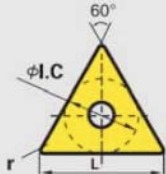
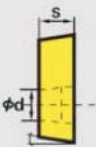

General Turning Inserts

									
Type			Dimension (mm)						
	ISO	inch	L	Φ I.C	S	Φ d	r		
TCMT	06T102-FP	1.2(1.2)0-FP	6.4	3.97	1.98	2.2	0.2		
	06T104-FP	1.2(1.2)1-FP	6.4	3.97	1.98	2.2	0.4		
	06T108-FP	1.2(1.2)2-FP	6.4	3.97	1.98	2.2	0.8		
	090202-FP	1.8(1.5)0-FP	9.6	5.56	2.38	2.5	0.2		
	090204-FP	1.8(1.5)1-FP	9.6	5.56	2.38	2.5	0.4		
	090208-FP	1.8(1.5)2-FP	9.6	5.56	2.38	2.5	0.8		
	110202-FP	2(1.5)0-FP	11	6.35	2.38	2.8	0.2		
	110204-FP	2(1.5)1-FP	11	6.35	2.38	2.8	0.4		
	110208-FP	2(1.5)2-FP	11	6.35	2.38	2.8	0.8		
	16T302-FP	3(2.5)0-FP	16.5	9.525	3.97	4.4	0.2		
16T304-FP	3(2.5)1-FP	16.5	9.525	3.97	4.4	0.4			

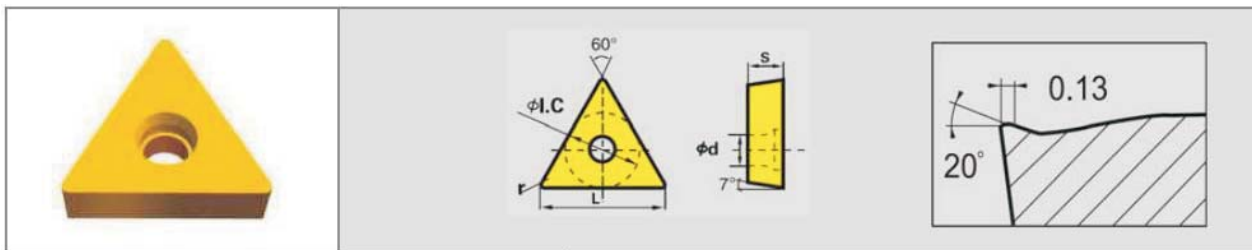
									
Type			Dimension (mm)						
	ISO	inch	L	Φ I.C	S	Φ d	r		
TCMT	090204-MP	1.8(1.5)1-MP	9.6	5.56	2.38	2.5	0.4		
	090208-MP	1.8(1.5)2-MP	9.6	5.56	2.38	2.5	0.8		
	110204-MP	2(1.5)1-MP	11	6.35	2.38	2.8	0.4		
	110208-MP	2(1.5)2-MP	11	6.35	2.38	2.8	0.8		
	16T304-MP	3(2.5)1-MP	16.5	9.525	3.97	4.4	0.4		
	16T308-MP	3(2.5)2-MP	16.5	9.525	3.97	4.4	0.8		
	16T312-MP	3(2.5)3-MP	16.5	9.525	3.97	4.4	1.2		

							
Type			Dimension (mm)				
	ISO	inch	L	Φ I.C	S	Φ d	r
TCMT	090204-RP	1.8(1.5)1-RP	9.6	5.56	2.38	2.5	0.4
	090208-RP	1.8(1.5)2-RP	9.6	5.56	2.38	2.5	0.8
	16T304-RP	3(2.5)1-RP	16.5	9.525	3.97	4.4	0.4
	16T308-RP	3(2.5)2-RP	16.5	9.525	3.97	4.4	0.8
	16T312-RP	3(2.5)3-RP	16.5	9.525	3.97	4.4	1.2
	220408-RP	432-RP	22	12.7	4.76	5.5	0.8

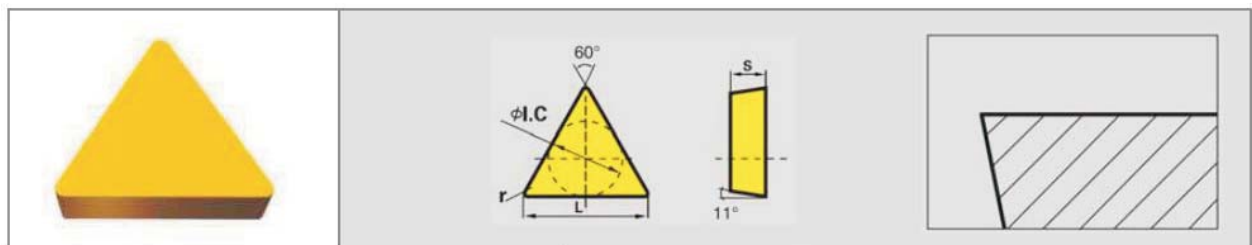
							
Type			Dimension (mm)				
	ISO	inch	L	Φ I.C	S	Φ d	r
TCMW	110204	2(1.5)1	11	6.35	2.38	2.8	0.4
	16T304	3(2.5)1	16.5	9.525	3.97	4.4	0.4
	16T308	3(2.5)2	16.5	9.525	3.97	4.4	0.8
	16T312	3(2.5)3	16.5	9.525	3.97	4.4	1.2
	220408	432	22	12.7	4.76	5.5	0.8
TCGW	16T304	3(2.5)1	16.5	9.525	3.97	4.4	0.4
	16T308	3(2.5)2	16.5	9.525	3.97	4.4	0.8
	16T312	3(2.5)3	16.5	9.525	3.97	4.4	1.2

							
Type			Dimension (mm)				
	ISO	inch	L	Φ I.C	S	Φ d	r
TPGB	090204	1.8(1.5)1	9.6	5.56	2.38	2.8	0.4
	090208	1.8(1.5)2	9.6	5.56	2.38	2.8	0.8
	270416	534	27.5	15.875	4.76	5.16	1.6

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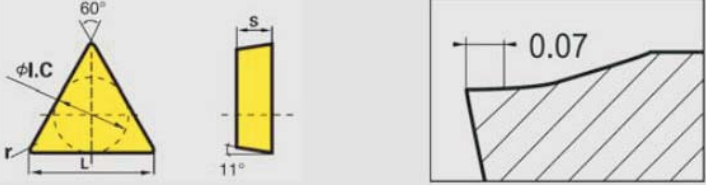




Type			Dimension (mm)				
	ISO	inch	L	Φ I.C	S	Φ d	r
TCGH	110304	221	11	6.35	3.18	2.26	0.4
	110308	222	11	6.35	3.18	2.26	0.8
	160304	321	16.5	9.525	3.18	3.81	0.4
	160308	322	16.5	9.525	3.18	3.81	0.8




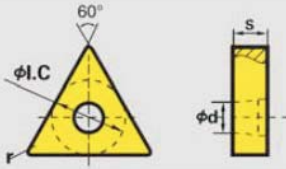

Type			Dimension (mm)				
	ISO	inch	L	Φ I.C	S	r	
TPGN	090204	1.8(1.5)1	9.6	5.56	2.38	0.4	
	090208	1.8(1.5)2	9.6	5.56	2.38	0.8	
	110204	2(1.5)1	11	6.35	2.38	0.4	
	110208	2(1.5)2	11	6.35	2.38	0.8	
	110304	221	11	6.35	3.18	0.4	
	110308	222	11	6.35	3.18	0.8	
	160304	321	16.5	9.525	3.18	0.4	
	160308	322	16.5	9.525	3.18	0.8	
	160408	332	16.5	9.525	4.76	0.8	
	220404	431	22	12.7	4.76	0.4	
	220408	432	22	12.7	4.76	0.8	
	220412	433	22	12.7	4.76	1.2	


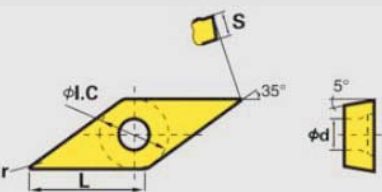
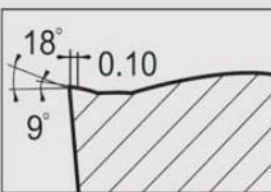
General Turning Inserts


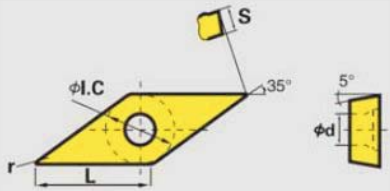

							
Type		Dimension (mm)					
	ISO	inch	L	Φ I.C	S	r	
TPMR	090204	1.8(1.5)1	9.6	5.56	2.38	0.4	
	110304	221	11	6.35	3.18	0.4	
	110308	222	11	6.35	3.18	0.8	
	160304	321	16.5	9.525	3.18	0.4	
	160308	322	16.5	9.525	3.18	0.8	
	160312	323	16.5	9.525	3.18	1.2	
	220412	433	22	12.7	4.76	1.2	


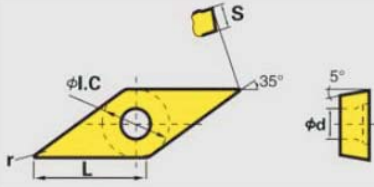
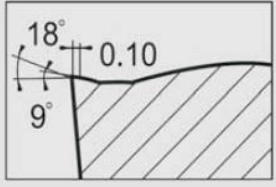
							
Type		Dimension (mm)					
	ISO	inch	L	Φ I.C	S	Φ d	r
TPGW	090204	1.8(1.5)1	9.6	5.56	2.38	2.8	0.4
	090208	1.8(1.5)2	9.6	5.56	2.38	2.8	0.8
	110304	221	11	6.35	3.18	2.8	0.4
	110308	222	11	6.35	3.18	2.8	0.8
	160308	322	16.5	9.525	3.18	4.4	0.8
	16T302	3(2.5)0	16.5	9.525	3.97	4.4	0.2
	160400		16.5	9.525	4.76	4.4	0
	220408	432	22	12.7	4.76	5.5	0.8


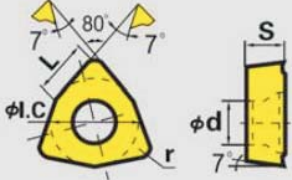
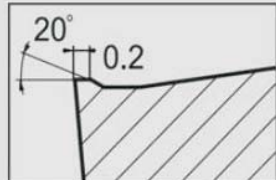
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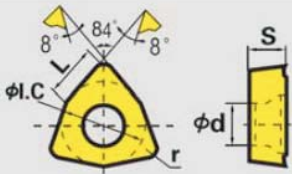
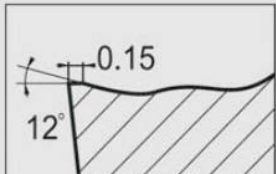
							
Type			Dimension (mm)				
	ISO	inch	L	Φ I.C	Φ d	r	
	U3-8003-L	-	4	1.8	2.2	0.3	
	U4-8004-L	-	5.6	2.5	2.8	0.4	
	U5-8005-L	-	8.2	3	3.4	0.5	
	U6-8006-L	-	12.7	4.3	4	0.8	

							
Type			Dimension (mm)				
	ISO	inch	L	Φ I.C	S	Φ d	r
VBMT	110202-FP	2(1.5)0-FP	11	6.35	2.38	2.8	0.2
	110204-FP	2(1.5)1-FP	11	6.35	2.38	2.8	0.4
	110208-FP	2(1.5)2-FP	11	6.35	2.38	2.8	0.8


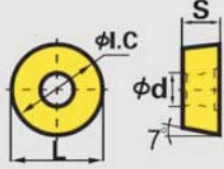
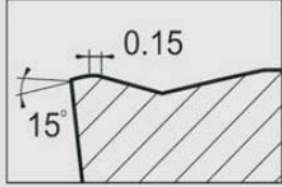
							
Type			Dimension (mm)				
	ISO	inch	L	Φ I.C	S	Φ d	r
VBMW	160404	331	16.6	9.525	4.76	4.4	0.4
VBGW	160404	331	16.6	9.525	4.76	4.4	0.4
	160408	332	16.6	9.525	4.76	4.4	0.8


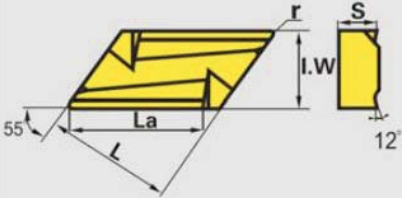
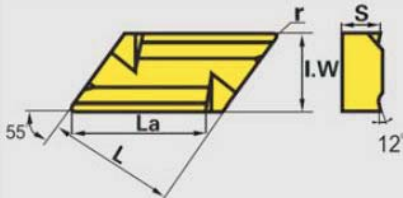
							
Type			Dimension (mm)				
	ISO	inch	L	ϕ I.C	S	ϕ d	r
VBMT	160404-MP	331-MP	16.6	9.525	4.76	4.4	0.4
	160408-MP	332-MP	16.6	9.525	4.76	4.4	0.8
	160412-MP	333-MP	16.6	9.525	4.76	4.4	1.2

							
Type			Dimension (mm)				
	ISO	inch	L	ϕ I.C	S	ϕ d	r
WCMX	030208	1.8(1.5)2	3.8	5.56	2.38	2.8	0.8
	040202	2(1.5)0	4.3	6.35	2.38	2.8	0.2
	040208R	2(1.5)2	4.3	6.35	2.38	3.1	0.8
	050308R		5.4	7.94	3.18	3.2	0.8
	06T308R	3(2.5)2R	6.5	9.525	3.97	3.7	0.8
	080412R	433R	8.7	12.7	4.76	4.3	1.2
	080412T	433T	8.7	12.7	4.76	4.3	1.2
	06T308T	3(2.5)2T	6.5	9.525	3.97	3.7	0.8


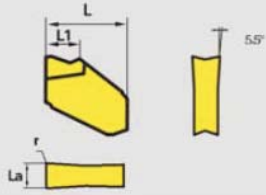
							
Type			Dimension (mm)				
	ISO	inch	L	ϕ I.C	S	ϕ d	r
	PD02381204	-	-	8	3.8	2.8	0.4
	PD01381204	-	-	10	3.8	3.8	0.4
	PD01481204	-	-	12	4.8	4.8	0.4
	PD2531204	-	-	15	5.3	4.8	0.4
	PD3601208	-	-	17.6	6	5.8	0.8


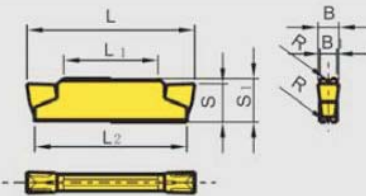
General Turning Inserts

						
Type			Dimension (mm)			
	ISO	inch	$\phi I.C$	S	ϕd	
RCGT	1204MO	-	12	4.76	4.4	
	1906-MO	-	19.05	6.35	6.5	
RCMT	0803MO	-	8	3.18	3.4	
	1204MO	-	12	4.76	4.4	
	1606MO	-	16	6.35	5.5	
	2507MO	-	25	7.94	7.7	

							
Type			Dimension (mm)				
	ISO	inch	L_a	L	I.W	S	r
KNUX	160405R/L11		16	16.15	9.525	4.76	0.5
	160410R/L11		16	16.15	9.525	4.76	1
	160415R/L11		16	16.15	9.525	4.76	1.5
	160405R/L12		16	16.15	9.525	4.76	0.5
	160410R/L12		16	16.15	9.525	4.76	1
	160415R/L12		16	16.15	9.525	4.76	1.5

Parting Grooving Inserts

									
	Type	Dimension (mm)							
	L1	La	r	L					
ZQMX3N11-1E	4.4	3.125	0.3	11					
ZQMX4N11-1E	4.95	4.125	0.3	11					
ZQMX5N11-1E	5	5.125	0.3	11					
ZQMX6N11-1E	5.28	6.4	0.3	11					
ZQMX7N11-1E	4.53	7.05	0.3	11					


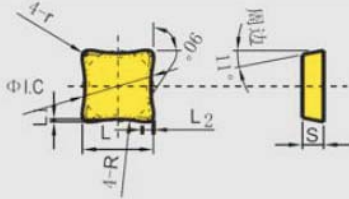
								
	Type	Dimension (mm)						
	L	L1	L2	B	B1	S	S1	R
MGMN200-G	16	9	14.5	2	1.6	3.5	4.1	0.3
MGMN300-G	21	10.5	19	3	2.35	4.8	5.7	0.4
MGMN400-G	21	10.5	19	4	1.6	4.8	5.9	0.5


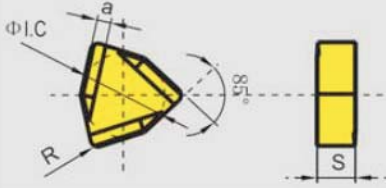
Threading Inserts


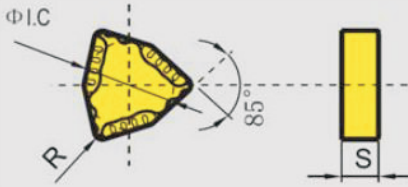
Type		Pitch (mm)	Dimension (mm)				
			Φ I.C	S	X	Y	r
External	16ER/L0.75ISO	0.75	9.525	3.5	0.8	0.8	0.11
	16ER/L1.00ISO	1	9.525	3.5	0.8	0.8	0.14
	16ER/L1.25ISO	1.25	9.525	3.5	0.8	0.8	0.18
	16ER/L1.50ISO	1.5	9.525	3.5	0.8	0.8	0.22
	16ER/L1.75ISO	1.75	9.525	3.5	1.2	1.5	1.25
	16ER/L2.00ISO	2	9.525	3.5	1.2	1.5	1.29
	16ER/L2.50ISO	2.5	9.525	3.5	1.2	1.5	1.36
	16ER/L3.00ISO	3	9.525	3.5	1.2	1.5	1.43
	22ER/L3.50ISO	3.5	12.7	4.6	1.8	2.5	0.5
	22ER/L4.00ISO	4	12.7	4.6	1.8	2.5	0.58
	22ER/L4.50ISO	4.5	12.7	4.6	1.8	2.5	0.65
	22ER/L5.00ISO	5	12.7	4.6	1.8	2.5	0.76


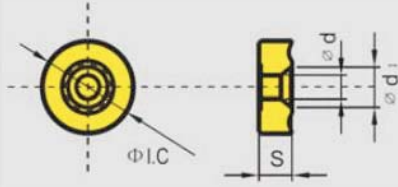
Type		Pitch (mm)	Dimension (mm)				
			Φ I.C	S	X	Y	r
Internal	16IR/L0.75ISO	0.75	9.525	3.5	0.8	0.8	0.05
	16IR/L1.00ISO	1	9.525	3.5	0.8	0.8	0.07
	16IR/L1.25ISO	1.25	9.525	3.5	0.8	0.8	0.09
	16IR/L1.50ISO	1.5	9.525	3.5	0.8	0.8	0.11
	16IR/L1.75ISO	1.75	9.525	3.5	1.2	1.5	0.13
	16IR/L2.00ISO	2	9.525	3.5	1.2	1.5	0.14
	16IR/L2.50ISO	2.5	9.525	3.5	1.2	1.5	0.18
	16IR/L3.00ISO	3	9.525	3.5	1.2	1.5	0.22
	22IR/3.50ISO	3.5	12.7	4.6	1.8	2.5	0.25
	22IR/4.00ISO	4	12.7	4.6	2	2.5	0.29
	22IR/4.50ISO	4.5	12.7	4.6	2.1	2.5	0.32
	22IR/5.00ISO	5	12.7	4.6	2.8	2.5	0.36


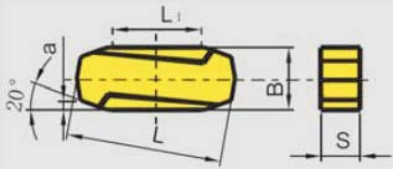
Peeling Inserts


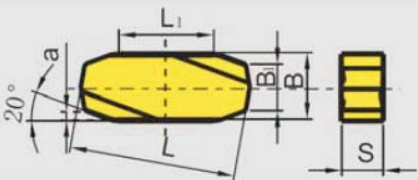
							
Type	Dimension (mm)						
	Φ I.C	S	r	R	L1	L2	
009241N2-R25	15.875	4.76	1.2	25	0.6	2.5	


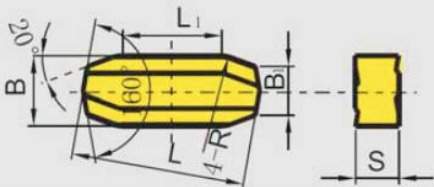
							
Type	Dimension (mm)						
	Φ I.C	S	R	a			
HNMX141020-85°	21.6	10	2	3.6			


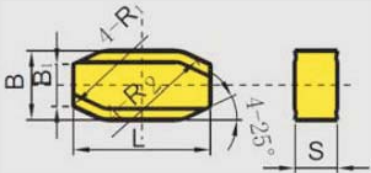
							
Type	Dimension (mm)						
	Φ I.C	S	R				
HNGX241330-85°	31.75	13.1	3				

							
Type	Dimension (mm)						
	Φ I.C	S	Φ d	Φ d1			
RNGH5018MO	50	18	12.7	21.6			


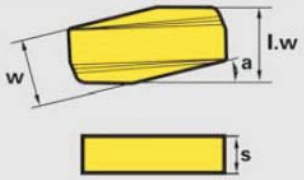
							
Type	Dimension (mm)						
	B	L	S	L1	a		
LPUC12 15 17	12,0	31,0	7,5	17,0	1,5		
LPUC18 20 20	18,0	37,0	12,0	20,0	2,0		
LPUC18 20 27	18,0	43,0	12,0	27,0	2,0		
LPUC18 30 20	18,0	43,0	12,0	20,0	3,0		
LPUC18 30 27	18,0	47,0	12,0	27,0	3,0		


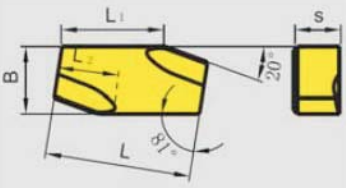
							
Type	Dimension (mm)						
	B	L	S	L1	a		
LNUC12 15 17	12,0	31,0	7,5	17,0	1,5		
LNUC18 20 20	18,0	37,0	12,0	20,0	2,0		
LNUC18 20 27	18,0	43,0	12,0	27,0	2,0		
LNUC18 30 20	18,0	43,0	12,0	20,0	3,0		


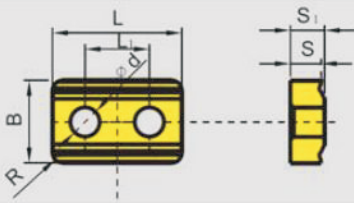
							
Type	Dimension (mm)						
	B	L	S	L1	B1	R	
LNGF3008-F	12	30	7.5	17.5	8.31	5	


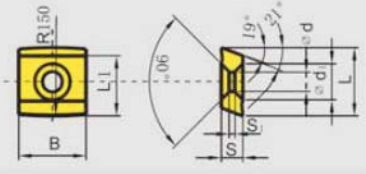
							
Type	Dimension (mm)						
	B	L	S	L1	B1	R	
LNGF4012	20	40	12.4	12.15	0.5	8.5	

Peeling Inserts


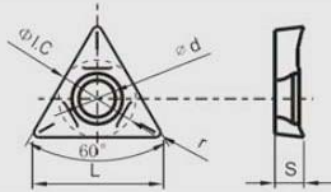
						
Type	Dimension (mm)					
	I.W	W	S	a		
YNMX1812L	18	22	12	20°		
YNMX2518173L	25	25	18	7°		
YNUX1812150L	18	18	12	15°		


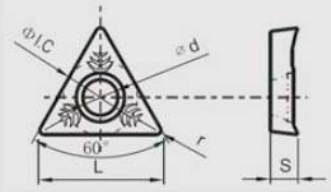
						
Type	Dimension (mm)					
	B	L	S	L1	L2	
XNGX20.171138R	17.5	38.3	12	27	16.2	


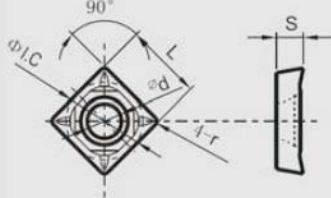
							
Type	Dimension (mm)						
	B	L	L1	S	S1	d	R
L40.2X25.4X9.6-2Φ9.1	25.4	40.2	20	9.6	10.6	9.1	3.2

							
Type	Dimension (mm)						
	B	L	L1	S	S1	d	d1
Welding scraping knife	25.01	25	22	8	2.2	6.9	13.1


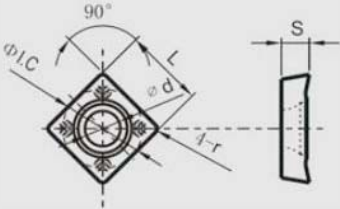
Aluminium Turning Inserts


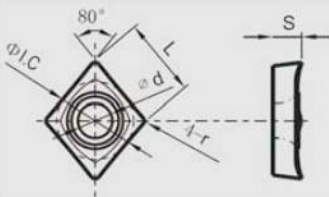
							
Type			Dimension (mm)				
	ISO	inch	L	ϕ I.C	S	ϕ d	r
TCGX	110204-LH	2(1.5)1-LH	11	6.35	2.38	2.8	0.4
	110304-LH	221-LH	11	6.35	3.18	2.8	0.4
	16T304-LH	3(2.5)1-LH	16.5	9.525	3.97	4.4	0.4
	16T308-LH	3(2.5)2-LH	16.5	9.525	3.97	4.4	0.8


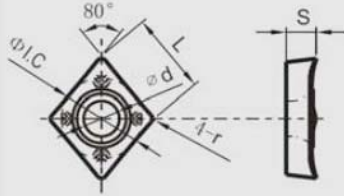
							
Type			Dimension (mm)				
	ISO	inch	L	ϕ I.C	S	ϕ d	r
TCGT	110204-LH	2(1.5)1-LH	11	6.35	2.38	2.8	0.4
	110304-LH	221-LH	11	6.35	3.18	2.8	0.4
	16T304-LH	3(2.5)1-LH	16.5	9.525	3.97	4.4	0.4
	16T308-LH	3(2.5)2-LH	16.5	9.525	3.97	4.4	0.8

							
Type			Dimension (mm)				
	ISO	inch	L	ϕ I.C	S	ϕ d	r
SCGX	120408-LH	432-LH	12.7	12.7	4.76	5.5	0.8

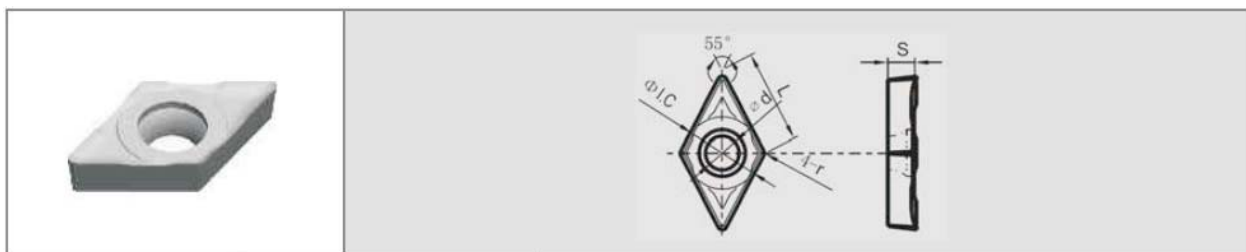
Aluminium Turning Inserts

							
Type			Dimension (mm)				
	ISO	inch	L	Φ I.C	S	Φ d	r
SCGT	120408-LH	432-LH	12.7	12.7	4.76	5.5	0.8

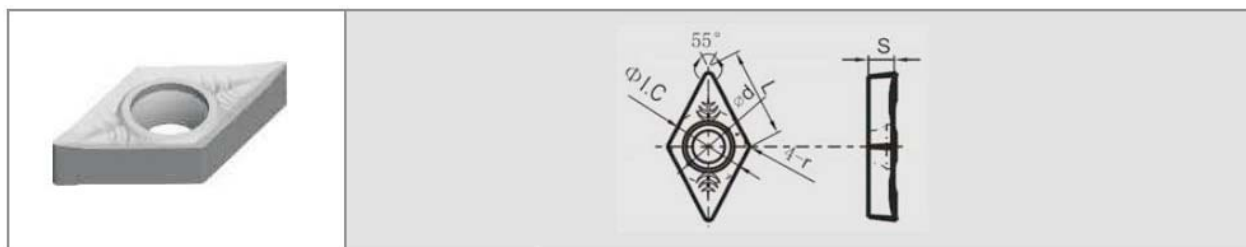
							
Type			Dimension (mm)				
	ISO	inch	L	Φ I.C	S	Φ d	r
CCGX	060204-LH	2(1.5)1-LH	6.4	6.35	2.38	2.8	0.4
	09T304-LH	3(2.5)1-LH	9.7	9.525	3.97	4.4	0.4
	09T308-LH	3(2.5)2-LH	9.7	9.525	3.97	4.4	0.8
	120404-LH	431-LH	12.9	12.7	4.76	5.5	0.4
	120408-LH	432-LH	12.9	12.7	4.76	5.5	0.8

							
Type			Dimension (mm)				
	ISO	inch	L	Φ I.C	S	Φ d	r
CCGT	060204-LH	2(1.5)1-LH	6.4	6.35	2.38	2.8	0.4
	09T304-LH	3(2.5)1-LH	9.7	9.525	3.97	4.4	0.4
	09T308-LH	3(2.5)2-LH	9.7	9.525	3.97	4.4	0.8
	120404-LH	431-LH	12.9	12.7	4.76	5.5	0.4
	120408-LH	432-LH	12.9	12.7	4.76	5.5	0.8

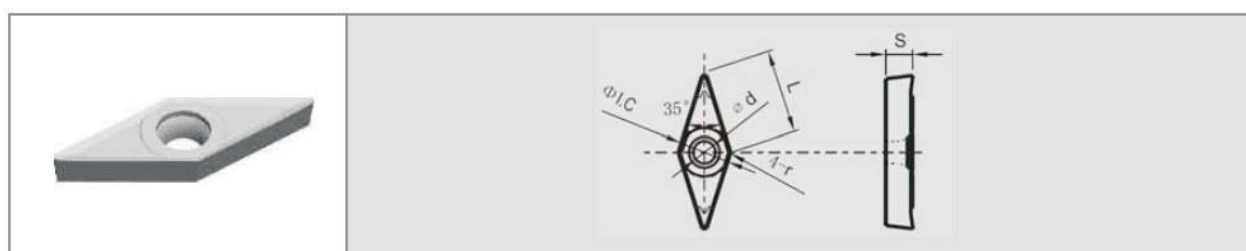
Aluminium Turning Inserts



Type			Dimension (mm)				
	ISO	inch	L	Φ I.C	S	Φ d	r
DCGX	070204-LH	2(1.5)1-LH	7.7	6.35	2.38	2.8	0.4
	11T302-LH	3(2.5)0-LH	11.6	9.525	3.97	4.4	0.2
	11T304-LH	3(2.5)1-LH	11.6	9.525	3.97	4.4	0.4
	11T308-LH	3(2.5)2-LH	11.6	9.525	3.97	4.4	0.8


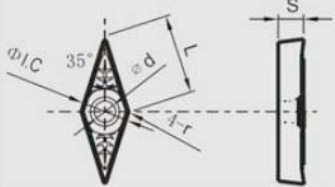



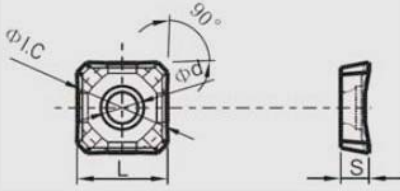
Type			Dimension (mm)				
	ISO	inch	L	Φ I.C	S	Φ d	r
DCGT	070204-LH	2(1.5)1-LH	7.7	6.35	2.38	2.8	0.4
	11T302-LH	3(2.5)0-LH	11.6	9.525	3.97	4.4	0.2
	11T304-LH	3(2.5)1-LH	11.6	9.525	3.97	4.4	0.4
	11T308-LH	3(2.5)2-LH	11.6	9.525	3.97	4.4	0.8




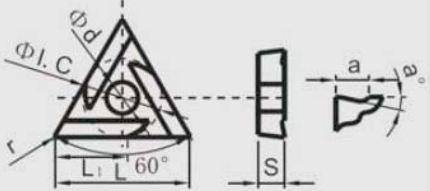
Type			Dimension (mm)				
	ISO	inch	L	Φ I.C	S	Φ d	r
VCGX	110204-LH	2(1.5)1-LH	11	6.35	2.38	2.8	0.4
	160404-LH	331-LH	16.6	9.525	4.76	4.4	0.4
	160408-LH	332-LH	16.6	9.525	4.76	4.4	0.8
	160412-LH	333-LH	16.6	9.525	4.76	4.4	1.2


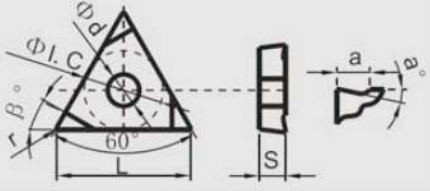
Aluminium Turning Inserts

							
Type			Dimension (mm)				
	ISO	inch	L	Φ I.C	S	Φ d	r
VCGT	110204-LH	2(1.5)1-LH	11	6.35	2.38	2.8	0.4
	160404-LH	331-LH	16.6	9.525	4.76	4.4	0.4
	160408-LH	332-LH	16.6	9.525	4.76	4.4	0.8
	160412-LH	333-LH	16.6	9.525	4.76	4.4	1.2


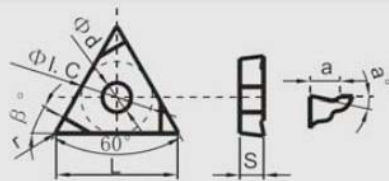
							
Type			Dimension (mm)				
	ISO	inch	L	Φ I.C	S	Φ d	
SEKT	1204AFFN-LH-1		12.7	12.7	4.76	5.5	


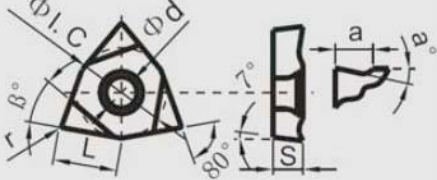
High Precision Turning Inserts


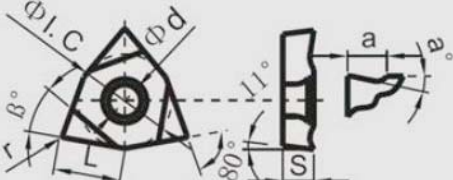
										
Type			Dimension (mm)							
	ISO	inch	L	Φ I.C	S	Φ d	r	a	a°	L1
TNGG	110302R/L-A1.3	220R/L-A1.3	11	6.35	3.18	2.26	0.2	1.3	15°	3.2
	110304R/L-A1.3	221R/L-A1.3	11	6.35	3.18	2.26	0.4	1.3	15°	3
	110308R/L-A1.3	222R/L-A1.3	11	6.35	3.18	2.26	0.8	1.3	15°	2.7
	160304R/L-A2.3	321R/L-A2.3	16.5	9.525	3.18	3.81	0.4	2.3	15°	5.4
	160308R/L-A2.3	322R/L-A2.3	16.5	9.525	3.18	3.81	0.8	2.3	15°	5.1
	160402R/L-A2.3	330R/L-A2.3	16.5	9.525	4.76	3.81	0.2	2.3	15°	8.7
	160404R/L-A2.3	331R/L-A2.3	16.5	9.525	4.76	3.81	0.4	2.3	15°	5.4
	160408R/L-A2.3	332R/L-A2.3	16.5	9.525	4.76	3.81	0.8	2.3	15°	5.1
	160412R/L-A2.3	333R/L-A2.3	16.5	9.525	4.76	3.81	1.2	2.3	15°	4.8
	220404R/L-A2.8	431R/L-A2.8	22	12.7	4.76	5.16	0.4	2.8	15°	9.4
	220408R/L-A2.8	432R/L-A2.8	22	12.7	4.76	5.16	0.8	2.8	15°	9.1
	220412R/L-A2.8	433R/L-A2.8	22	12.7	4.76	5.16	1.2	2.8	15°	8.8

										
Type			Dimension (mm)							
	ISO	inch	L	Φ I.C	S	Φ d	r	a	a°	β°
TNGG	160402R/L-F1.3	330R/L-F1.3	16.5	9.525	4.76	3.81	0.2	1.3	15°	30°
	160404R/L-F1.3	331R/L-F1.3	16.5	9.525	4.76	3.81	0.4	1.3	15°	30°
	160408R/L-F1.3	332R/L-F1.3	16.5	9.525	4.76	3.81	0.8	1.3	15°	30°
	160402R/L-F2.5	330R/L-F2.5	16.5	9.525	4.76	3.81	0.2	2.5	15°	30°
	160404R/L-F2.5	331R/L-F2.5	16.5	9.525	4.76	3.81	0.4	2.5	15°	30°
	160408R/L-F2.5	332R/L-F2.5	16.5	9.525	4.76	3.81	0.8	2.5	15°	30°


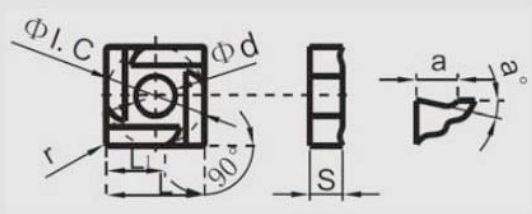
High Precision Turning Inserts


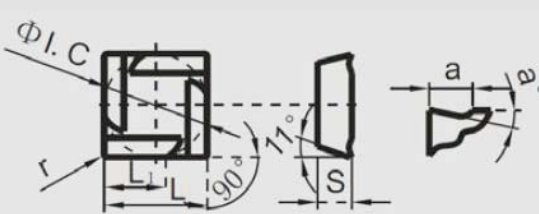
										
Type			Dimension (mm)							
	ISO	inch	L	Φ I.C	S	Φ d	r	a	a°	β°
TCGT	080202R/L-F1.3	1.5(1.5)0R/L-F1.3	8.24	4.76	2.38	2.2	0.2	1.3	10°	20°
	080204R/L-F1.3	1.5(1.5)1R/L-F1.3	8.24	4.76	2.38	2.2	0.4	1.3	10°	20°
	090202R/L-F1.6	1.8(1.5)0R/L-F1.6	9.6	5.56	2.38	2.5	0.2	1.6	10°	20°
	090204R/L-F1.6	1.8(1.5)1R/L-F1.6	9.6	5.56	2.38	2.5	0.4	1.6	10°	20°
	090208R/L-F1.8	1.8(1.5)2R/L-F1.6	9.6	5.56	2.38	2.5	0.8	1.6	10°	20°
	110302R/L-F1.8	220R/L-F1.8	11	6.35	3.18	2.26	0.2	1.8	10°	20°
	110304R/L-F1.8	221R/L-F1.8	11	6.35	3.18	2.26	0.4	1.8	10°	20°
	110308R/L-F1.8	222R/L-F1.8	11	6.35	3.18	2.26	0.8	1.8	10°	20°


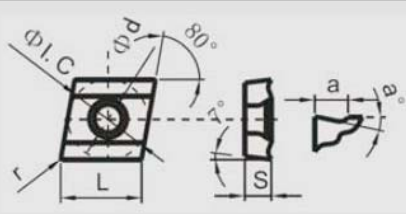
										
Type			Dimension (mm)							
	ISO	inch	L	Φ I.C	S	Φ d	r	a	a°	β°
WCGT	020102R/L-F1.0		3.25	4.76	1.59	2.2	0.2	1	15°	30°
	020104R/L-F1.0		3.25	4.76	1.59	2.2	0.4	1	15°	30°

										
Type			Dimension (mm)							
	ISO	inch	L	Φ I.C	S	Φ d	r	a	a°	β°
WPGT	040202R/L-F1.0	2(1.5)0R/L-F1.0	4.34	6.35	2.38	2.5	0.2	1	15°	20°
	040204R/L-F1.0	2(1.5)1R/L-F1.1	4.34	6.35	2.38	2.5	0.4	1	15°	20°
	060304R/L-F1.0	321R/L-F1.0	6.25	9.525	3.18	4.4	0.4	1	15°	20°
	060308R/L-F1.0	322R/L-F1.0	6.25	9.525	3.18	4.4	0.8	1	15°	20°

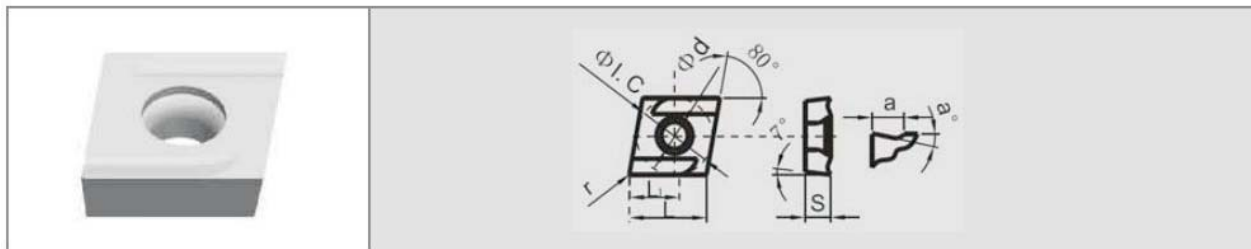
High Precision Turning Inserts

										
Type			Dimension (mm)							
	ISO	inch	L	Φ I.C	S	Φ d	r	a	a°	L1
SNGG	090304R/L-A1.8	321R/L-A1.8	9.525	9.525	3.18	3.81	0.4	1.8	15°	1.6
	090308R/L-A1.8	322R/L-A1.8	9.525	9.525	3.18	3.81	0.8	1.8	15°	1.6
	120404R/L-A2.3	431R/L-A2.3	12.7	12.7	4.76	5.16	0.4	2.3	15°	3.7
	120408R/L-A2.3	432R/L-A2.3	12.7	12.7	4.76	5.16	0.8	2.3	15°	3.7

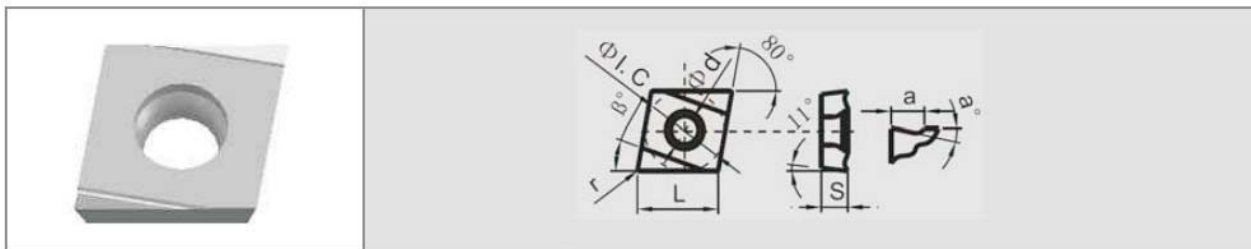
										
Type			Dimension (mm)							
	ISO	inch	L	Φ I.C	S	r	a	a°	L1	
SPGR	090304R/L-A1.8	321R/L-R1.8	9.525	9.525	3.18	0.4	1.8	15°	1.6	

										
Type			Dimension (mm)							
	ISO	inch	L	Φ I.C	S	Φ d	r	a	a°	
CCET	060200R/L-H1.0		6.4	6.35	2.38	2.8	0	1	20°	
	060201R/L-H1.0		6.4	6.35	2.38	2.8	0.1	1	20°	
	060202R/L-H1.0	2(1.5)0R/L-H1.0	6.4	6.35	2.38	2.8	0.2	1	20°	
	060204R/L-H1.0	2(1.5)1R/L-H1.0	6.4	6.35	2.38	2.8	0.4	1	20°	
	09T300R/L-H1.5		9.7	9.525	3.97	4.4	0	1.5	20°	
	09T301R/L-H1.5		9.7	9.525	3.97	4.4	0.1	1.5	20°	
	09T302R/L-H1.5	3(2.5)0R/L-H1.5	9.7	9.525	3.97	4.4	0.2	1.5	20°	
	09T304R/L-H1.5	3(2.5)1R/L-H1.5	9.7	9.525	3.97	4.4	0.4	1.5	20°	

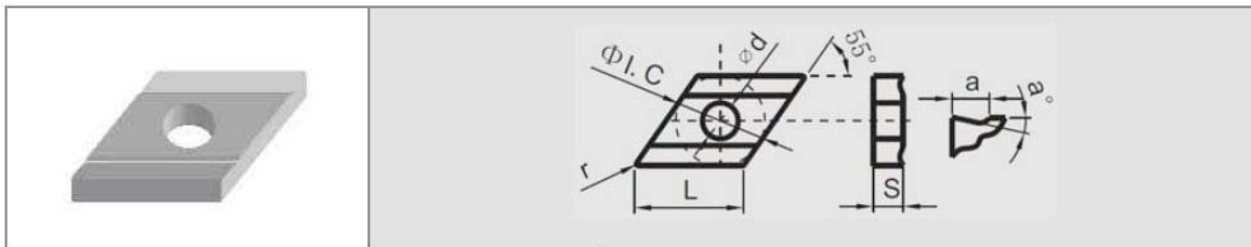
High Precision Turning Inserts




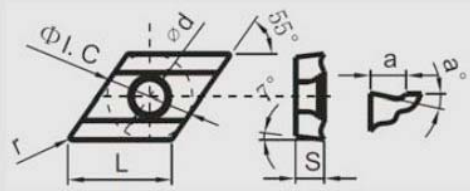
Type			Dimension (mm)							
	ISO	inch	L	Φ I.C	S	Φ d	r	a	a°	L1
CCGT	060200R/L-A1.0		6.4	6.35	2.38	2.8	0	1	20°	3
	060201R/L-A1.0		6.4	6.35	2.38	2.8	0.1	1	20°	3
	060202R/L-A1.0	2(1.5)0R/L-A1.0	6.4	6.35	2.38	2.8	0.2	1	20°	3
	060204R/L-A1.0	2(1.5)1R/L-A1.0	6.4	6.35	2.38	2.8	0.4	1	20°	3
	09T300R/L-A1.5		9.7	9.525	3.97	4.4	0	1.5	20°	5
	09T301R/L-A1.5		9.7	9.525	3.97	4.4	0.1	1.5	20°	5
	09T302R/L-A1.5	3(2.5)0R/L-A1.5	9.7	9.525	3.97	4.4	0.2	1.5	20°	5
	09T304R/L-A1.5	3(2.5)1R/L-A1.5	9.7	9.525	3.97	4.4	0.4	1.5	20°	5


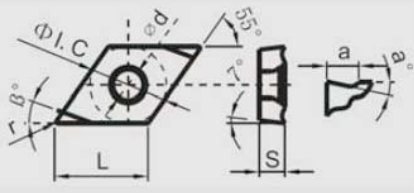



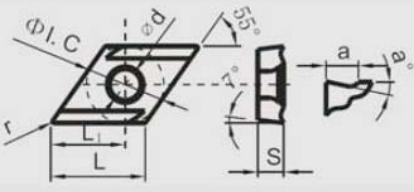
Type			Dimension (mm)							
	ISO	inch	L	Φ I.C	S	Φ d	r	a	a°	β°
CPGT	080204R/L-F0.6		8.1	7.93	2.38	3.4	0.4	0.6	15°	20°
	090302R/L-F0.8	320R/L-F0.8	9.7	9.525	3.18	4.4	0.2	0.8	15°	20°
	090304R/L-F0.8	321R/L-F0.8	9.7	9.525	3.18	4.4	0.4	0.8	15°	20°


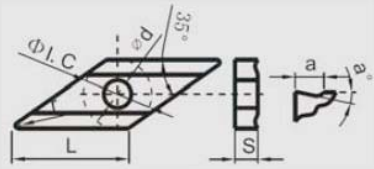



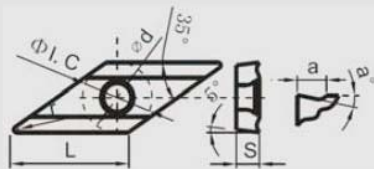
Type			Dimension (mm)							
	ISO	inch	L	Φ I.C	S	Φ d	r	a	a°	
DNGG	150404R/L-H2.8	431R/L-H2.8	15.5	12.7	4.76	5.16	0.4	2.8	15°	
	150408R/L-H2.8	432R/L-H2.8	15.5	12.7	4.76	5.16	0.8	2.8	15°	


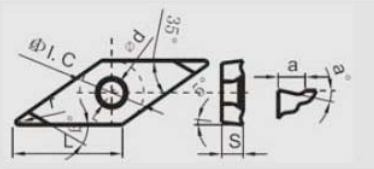
										
Type			Dimension (mm)							
	ISO	inch	L	Φ I.C	S	Φ d	r	a	a°	
DCGT	070200R/L-H1.0		7.75	6.35	2.38	2.8	0	1	20°	
	070201R/L-H1.0		7.75	6.35	2.38	2.8	0.1	1	20°	
	070202R/L-H1.0	2(1.5)0R/L-H1.0	7.75	6.35	2.38	2.8	0.2	1	20°	
	11T300R/L-H1.5		11.6	9.525	3.97	4.4	0	1.5	20°	
	11T301R/L-H1.5		11.6	9.525	3.97	4.4	0.1	1.5	20°	
	11T302R/L-H1.5	3(2.5)0R/L-H1.5	11.6	9.525	3.97	4.4	0.2	1.5	20°	


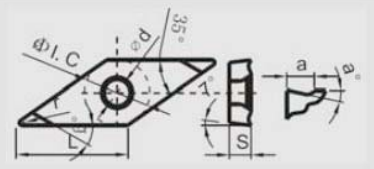
										
Type			Dimension (mm)							
	ISO	inch	L	Φ I.C	S	Φ d	r	a	a°	β°
DCGT	070202R/L-F1.0	2(1.5)0R/L-F1.0	7.75	6.35	2.38	2.8	0.2	1	17°	20°
	070204R/L-F1.0	2(1.5)1R/L-F1.0	7.75	6.35	2.38	2.8	0.4	1	17°	20°
	11T302R/L-F1.0	3(2.5)0R/L-F1.0	11.6	9.525	3.97	4.4	0.2	1	17°	20°
	11T304R/L-F1.0	3(2.5)1R/L-F1.0	11.6	9.525	3.97	4.4	0.4	1	17°	20°

										
Type			Dimension (mm)							
	ISO	inch	L	Φ I.C	S	Φ d	r	a	a°	L1
DCGT	070200R/L-A1.0		7.75	6.35	2.38	2.8	0	1	20°	3.5
	070201R/L-A1.0		7.75	6.35	2.38	2.8	0.1	1	20°	3.5
	070202R/L-A1.0	2(1.5)0R/L-A1.0	7.75	6.35	2.38	2.8	0.2	1	20°	3.5
	11T300R/L-A1.5		11.6	9.525	3.97	4.4	0	1.5	20°	6.5
	11T301R/L-A1.5		11.6	9.525	3.97	4.4	0.1	1.5	20°	6.5
	11T302R/L-A1.5	3(2.5)0R/L-A1.5	11.6	9.525	3.97	4.4	0.2	1.5	20°	6.5

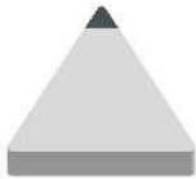
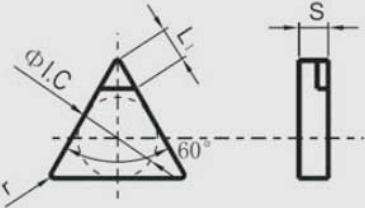
										
Type			Dimension (mm)							
	ISO	inch	L	Φ I.C	S	Φ d	r	a	a°	
VNGG	160404R/L-H1.8	331R/L-H1.8	16.6	9.525	4.76	4.4	0.4	1.8	15°	
	160408R/L-H1.8	332R/L-H1.8	16.6	9.525	4.76	4.4	0.8	1.8	15°	


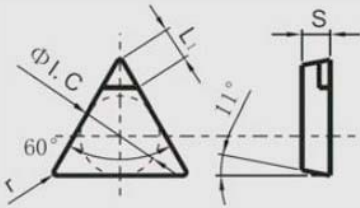
										
Type			Dimension (mm)							
	ISO	inch	L	Φ I.C	S	Φ d	r	a	a°	
VBGT	110300R/L-H1.0		11.6	6.35	3.18	2.8	0	1	20°	
	110301R/L-H1.0		11.6	6.35	3.18	2.8	0.1	1	20°	
	110302R/L-H1.0	220R/L-H1.0	11.6	6.35	3.18	2.8	0.2	1	20°	
	110304R/L-H1.0	221R/L-H1.0	11.6	6.35	3.18	2.8	0.4	1	20°	

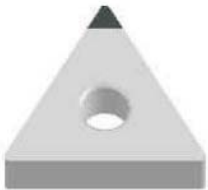
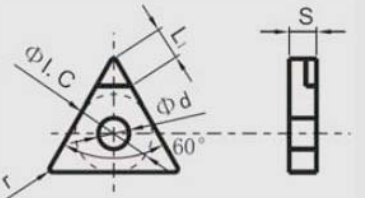
											
Type			Dimension (mm)								
	ISO	inch	L	Φ I.C	S	Φ d	r	a	a°	β°	
VBGT	110302R/L-F1.0	220R/L-F1.0	11.6	6.35	3.18	2.8	0.2	1	13°	20°	
	110304R/L-F1.0	221R/L-F1.0	11.6	6.35	3.18	2.8	0.4	1	13°	20°	
	160402R/L-F1.5	330R/L-F1.0	16.6	9.525	4.76	4.4	0.2	1.5	13°	20°	
	160404R/L-F1.5	331R/L-F1.0	16.6	9.525	4.76	4.4	0.4	1.5	13°	20°	


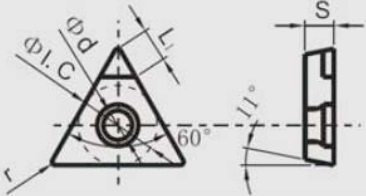
											
Type			Dimension (mm)								
	ISO	inch	L	Φ I.C	S	Φ d	r	a	a°	β°	
VCGT	110302R/L-F1.0	220R/L-F1.0	11.6	6.35	3.18	2.8	0.2	1	13°	20°	
	110304R/L-F1.0	221R/L-F1.0	11.6	6.35	3.18	2.8	0.4	1	13°	20°	
	160402R/L-F1.5	330R/L-F1.5	16.6	9.525	4.76	4.4	0.2	1.5	13°	20°	
	160404R/L-F1.5	331R/L-F1.5	16.6	9.525	4.76	4.4	0.4	1.5	13°	20°	


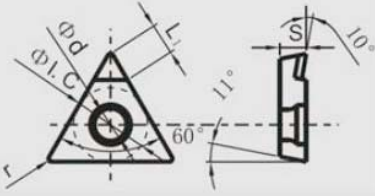
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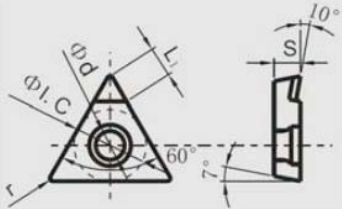
							
Type			Dimension (mm)				
	ISO	inch	Φ I.C	S	L1	r	
TNGN	160404E/S	331E/S	9.525	4.76	3	0.4	
	160408E/S	332E/S	9.525	4.76	3	0.8	
	160412E/S	333E/S	9.525	4.76	3	1.2	

							
Type			Dimension (mm)				
	ISO	inch	Φ I.C	S	L1	r	
TPGN	090202E/S	1.8(1.5)0E/S	5.56	2.38	2	0.2	
	090204E/S	1.8(1.5)1E/S	5.56	2.38	2	0.4	
	110302E/S	220E/S	6.35	3.18	3	0.2	
	110304E/S	221E/S	6.35	3.18	3	0.4	
	110308E/S	222E/S	6.35	3.18	3	0.8	
	160302E/S	320E/S	9.525	3.18	3	0.2	
	160304E/S	321E/S	9.525	3.18	3	0.4	
	160308E/S	322E/S	9.525	3.18	3	0.8	


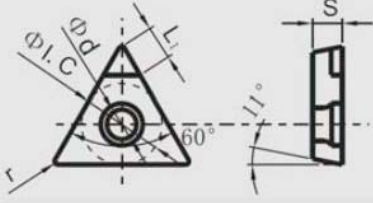
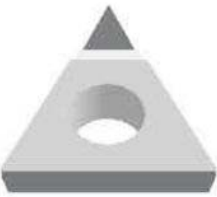
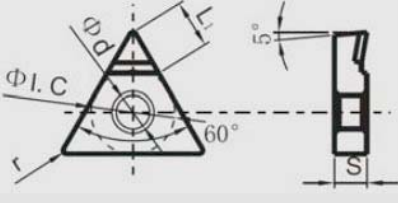

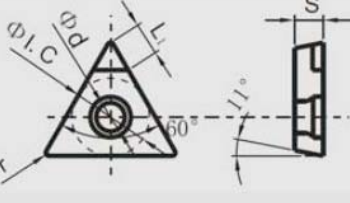
							
Type			Dimension (mm)				
	ISO	inch	Φ I.C	S	Φ d	L1	r
TNGA	160404E/S	331E/S	9.525	4.76	3.81	3	0.4
	160408E/S	332E/S	9.525	4.76	3.81	3	0.8
	160412E/S	333E/S	9.525	4.76	3.81	3	1.2


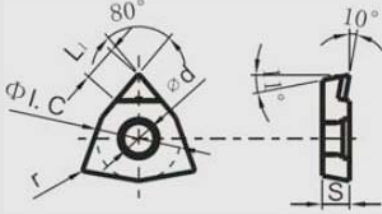
							
Type			Dimension (mm)				
	ISO	inch	Φ I.C	S	Φ d	L1	r
TPGB	110302E/S	220E/S	6.35	3.18	3.5	3	0.2
	110304E/S	221E/S	6.35	3.18	3.5	3	0.4
	110308E/S	222E/S	6.35	3.18	3.5	3	0.8
	160304E/S	321E/S	9.525	3.18	4.5	3	0.4
	160308E/S	322E/S	9.525	3.18	4.5	3	0.8


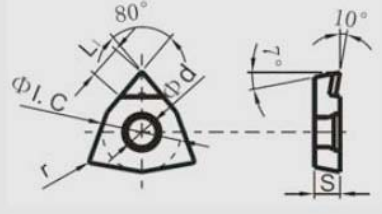
							
Type			Dimension (mm)				
	ISO	inch	Φ I.C	S	Φ d	L1	r
TPMH	090201E/S		5.56	2.38	3	2	0.1
	090202E/S	1.8(1.5)0E/S	5.56	2.38	3	2	0.2
	090204E/S	1.8(1.5)1E/S	5.56	2.38	3	2	0.4
	110301E/S		6.35	3.18	3.5	3	0.1
	110302E/S	220E/S	6.35	3.18	3.5	3	0.2
	160302E/S	320E/S	9.525	3.18	4.5	3	0.2
	160304E/S	321E/S	9.525	3.18	4.5	3	0.4


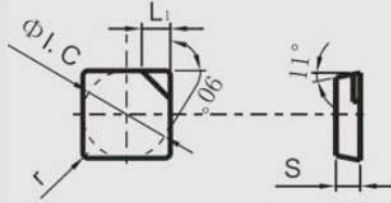
							
Type			Dimension (mm)				
	ISO	inch	Φ I.C	S	Φ d	L1	r
TCMT	080201E/S		4.76	2.38	2.3	2	0.1
	080202E/S	1.5(1.5)0E/S	4.76	2.38	2.3	2	0.2
	110301E/S		6.35	3.18	2.8	3	0.1
	110302E/S	220E/S	6.35	3.18	2.8	3	0.2
	110304E/S	221E/S	6.35	3.18	2.8	3	0.4


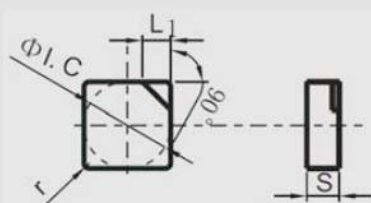
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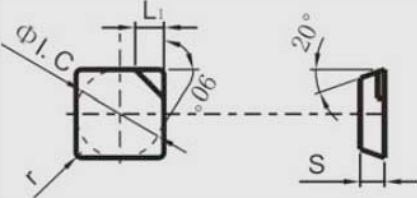
							
Type			Dimension (mm)				
	ISO	inch	Φ I.C	S	Φ d	L1	r
TCGW	110302E/S	220E/S	6.35	3.18	2.8	3	0.2
	110304E/S	221E/S	6.35	3.18	2.8	3	0.4
							
Type			Dimension (mm)				
	ISO	inch	Φ I.C	S	Φ d	L1	r
TNMM	160402	330	9.525	4.76	3.81	3.8	0.2
	160404	331	9.525	4.76	3.81	3.7	0.4
	160408	332	9.525	4.76	3.81	3.4	0.8
	160412	333	9.525	4.76	3.81	3.1	1.2
							
Type			Dimension (mm)				
	ISO	inch	Φ I.C	S	Φ d	L1	r
TCGW	090204	1.8(1.5)1	5.56	2.38	2.5	2	0.4
	110204	2(1.5)1	6.35	2.38	2.8	3	0.4
	110208	2(1.5)2	6.35	2.38	2.8	3	0.8
	16T304	3(2.5)1	9.525	3.97	4.4	4.5	0.4
	16T308	3(2.5)2	9.525	3.97	4.4	4.5	0.8


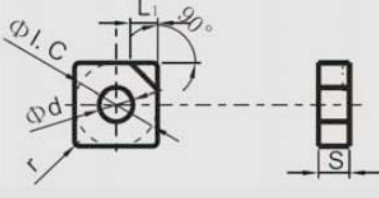
							
Type			Dimension (mm)				
	ISO	inch	Φ I.C	S	Φ d	L1	r
WPMT	040202	2(1.5)0	6.35	2.38	2.8	2.5	0.2


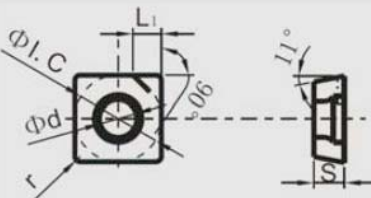
							
Type			Dimension (mm)				
	ISO	inch	Φ I.C	S	Φ d	L1	r
WCMT	020202L	1.5(1.5)0L	4.76	2.38	2.3	2	0.2


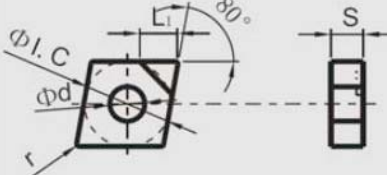
							
Type			Dimension (mm)				
	ISO	inch	Φ I.C	S	Φ d	L1	r
SPGN	090302E/S	320E/S	9.525	3.18	-	3.5	0.2
	090304E/S	321E/S	9.525	3.18	-	3.5	0.4
	090308E/S	322E/S	9.525	3.18	-	3.5	0.8
	120304E/S	421E/S	12.7	3.18	-	3.5	0.4

							
Type			Dimension (mm)				
	ISO	inch	Φ I.C	S	Φ d	L1	r
SNGN	120408E/S	432E/S	12.7	4.76	-	3.5	0.8
	120412E/S	433E/S	12.7	4.76	-	3.5	1.2
	120416E/S	434E/S	12.7	4.76	-	3.5	1.6


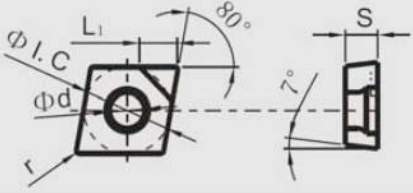

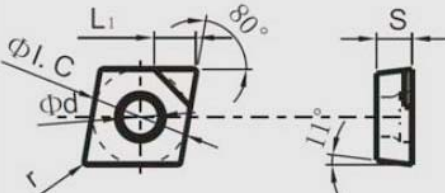

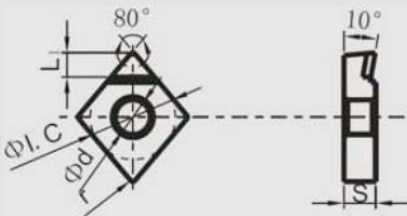
							
Type			Dimension (mm)				
	ISO	inch	Φ I.C	S	Φ d	L1	r
SEGN	120304E/S	421E/S	12.7	3.18	-	3.5	0.4
	120308E/S	422E/S	12.7	3.18	-	3.5	0.8

							
Type			Dimension (mm)				
	ISO	inch	Φ I.C	S	Φ d	L1	r
SNGA	120408E/S	432E/S	12.7	4.76	5.16	3.5	0.8
	120412E/S	433E/S	12.7	4.76	5.16	3.5	1.2
	120416E/S	434E/S	12.7	4.76	5.16	3.5	1.6


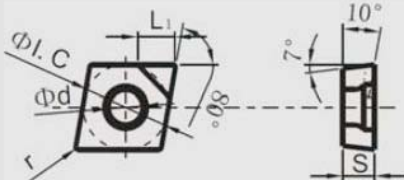
							
Type			Dimension (mm)				
	ISO	inch	Φ I.C	S	Φ d	L1	r
SPGB	120304	421	12.7	3.18	5.5	3.5	0.4


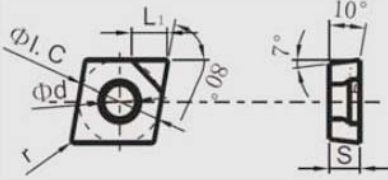
							
Type			Dimension (mm)				
	ISO	inch	Φ I.C	S	Φ d	L1	r
CNGA	120404E/S	431E/S	12.7	4.76	5.16	3.5	0.4
	120408E/S	432E/S	12.7	4.76	5.16	3.5	0.8
	120412E/S	433E/S	12.7	4.76	5.16	3.5	1.2


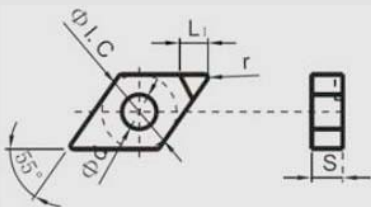
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Type			Dimension (mm)				
	ISO	inch	Φ I.C	S	Φ d	L1	r
CCGW	060204E/S	2(1.5)1E/S	6.35	2.38	2.8	2	0.4
	060208E/S	2(1.5)2E/S	6.35	2.38	2.8	2	0.8
	09T304E/S	3(2.5)1E/S	9.525	3.97	4.4	3	0.4
	09T308E/S	3(2.5)2E/S	9.525	3.97	4.4	3	0.8
							
Type			Dimension (mm)				
	ISO	inch	Φ I.C	S	Φ d	L1	r
CPGB	080204E/S		7.94	2.38	3.5	2	0.4
	080208E/S		7.94	2.38	3.5	2	0.8
	090304E/S	321E/S	9.525	3.18	4.5	3	0.4
	090308E/S	322E/S	9.525	3.18	4.5	3	0.8
							
Type			Dimension (mm)				
	ISO	inch	Φ I.C	S	Φ d	L1	r
CNMM	120402	430	12.7	4.76	5.16	5.9	0.2
	120404	431	12.7	4.76	5.16	5.8	0.4
	120408	432	12.7	4.76	5.16	5.7	0.8
	120412	433	12.7	4.76	5.16	5.7	1.2


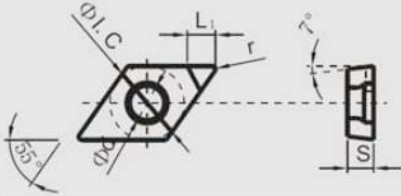
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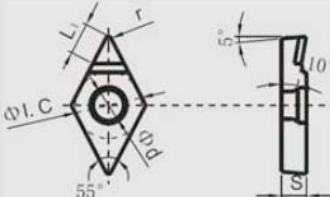
							
Type			Dimension (mm)				
	ISO	inch	Φ I.C	S	Φ d	L1	r
CCMT	060201		6.35	2.38	2.8	2	0.1
	060202	2(1.5)0	6.35	2.38	2.8	2	0.2
	09T301		9.525	3.97	4.4	3	0.1
	09T302	3(2.5)0	9.525	3.97	4.4	3	0.2


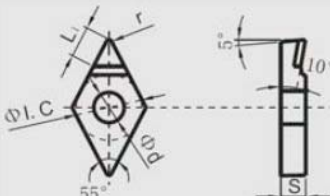
								
Type			Dimension (mm)					
	ISO	inch	Φ I.C	S	Φ d	L1	r	
CCMH	080201		7.94	2.38	3.5	2	0.1	
	080202		7.94	2.38	3.5	2	0.2	
	080204		7.94	2.38	3.5	2	0.4	
	090301		9.525	3.18	4.5	3	0.1	
	090302	320		9.525	3.18	4.5	3	0.2
	090304	321		9.525	3.18	4.5	3	0.4


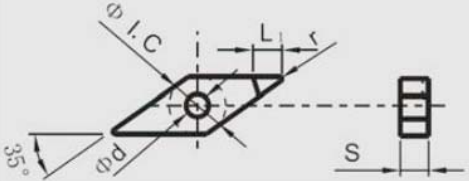
							
Type			Dimension (mm)				
	ISO	inch	Φ I.C	S	Φ d	L1	r
DNGA	150404E/S	431E/S	12.7	4.76	5.16	4	0.4
	150408E/S	432E/S	12.7	4.76	5.16	4	0.8
	150412E/S	433E/S	12.7	4.76	5.16	4	1.2


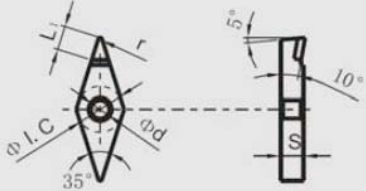
PCBN&PCD Inserts


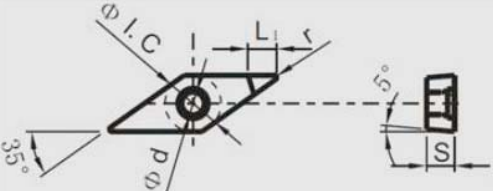
							
Type			Dimension (mm)				
	ISO	inch	Φ I.C	S	Φ d	L1	r
DCMW	11T302E/S	3(2.5)0E/S	9.525	3.97	4.4	3	0.2
	11T304E/S	3(2.5)1E/S	9.525	3.97	4.4	3	0.4


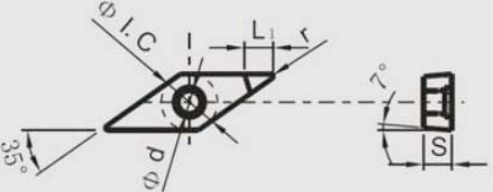
							
Type			Dimension (mm)				
	ISO	inch	Φ I.C	S	Φ d	L1	r
DCMT	070201		6.35	2.38	2.8	3	0.1
	070202	2(1.5)0	6.35	2.38	2.8	3	0.2
	11T301		9.525	3.97	4.4	3	0.1
	11T302	3(2.5)0	9.525	3.97	4.4	3	0.2
	11T304	3(2.5)1	9.525	3.97	4.4	3	0.4

							
Type			Dimension (mm)				
	ISO	inch	Φ I.C	S	Φ d	L1	r
DNMM	150402	430	12.7	4.76	5.16	6	0.2
	150404	431	12.7	4.76	5.16	5.9	0.4
	150408	432	12.7	4.76	5.16	5.5	0.8
	150412	433	12.7	4.76	5.16	5.1	1.2


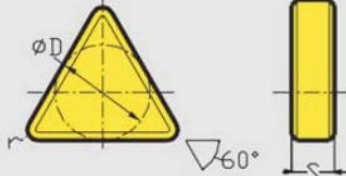
							
Type			Dimension (mm)				
	ISO	inch	Φ I.C	S	Φ d	L1	r
VNGA	160404	331	9.525	4.76	3.81	3.5	0.4
	160408	332	9.525	4.76	3.81	3.5	0.8


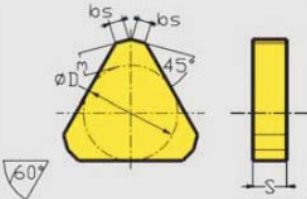
							
Type			Dimension (mm)				
	ISO	inch	Φ I.C	S	Φ d	L1	r
VNMM	160402M	330M	9.525	4.76	3.81	5.3	0.2
	160404M	331M	9.525	4.76	3.81	4.9	0.4
	160408M	332M	9.525	4.76	3.81	4	0.8
	160412M	333M	9.525	4.76	3.81	3.1	1.2


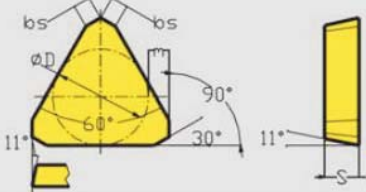
							
Type			Dimension (mm)				
	ISO	inch	Φ I.C	S	Φ d	L1	r
VBGW	160404	331	9.525	4.76	4.4	16.6	0.4
VBMW	160408	332	9.525	4.76	4.4	16.6	0.8


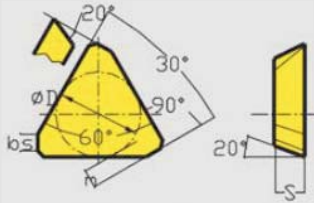
							
Type			Dimension (mm)				
	ISO	inch	Φ I.C	S	Φ d	L1	r
VCGW VCMW	160404	331	9.525	4.76	4.4	16.6	0.4
	160408	332	9.525	4.76	4.4	16.6	0.8
	160412	333	9.525	4.76	4.4	16.6	1.2


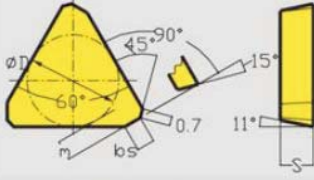
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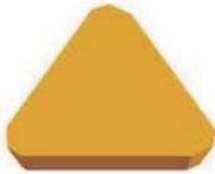
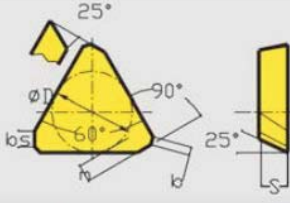
							
Type	Dimension (mm)						
	D	S	r				
TNEN160620	9.525	6.35	2				
TNEN270645	15.875	6.35	4.5				

							
Type	Dimension (mm)						
	D	S	bs				
TNJNI2204ANEN	12.7	4.76	3.08				


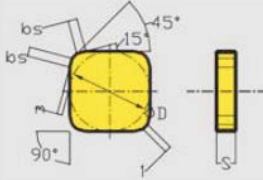
							
Type	Dimension (mm)						
	D	S	bs	m			
TPAN1103PPN	6.35	3.175	0.7	1.72			
TPCN1103PPN	6.35	3.175	0.7	1.72			
TPKN1103PPN	6.35	3.175	0.7	1.72			
TPAN1603PPN	9.525	3.175	1.2	2.45			
TPCN1603PPN	9.525	3.175	1.2	2.45			
TPKN1603PPN	9.525	3.175	1.2	2.45			
TPAN2204PPN	12.7	4.76	1.3	3.55			
TPCN2204PPN	12.7	4.76	1.3	3.55			
TPKN2204PPN	12.7	4.76	1.3	3.55			


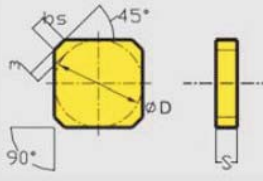
						
Type	Dimension (mm)					
	D	S	bs	m		
TECN1603PER	9.525	3.175	2	2.19		
TECN1603PEL	9.525	3.175	2	2.19		

						
Type	Dimension (mm)					
	D	S	bs	m		
TPAN1603PDR	9.525	3.175	1.3	2.45		
TPAN1603PDL	9.525	3.175	1.3	2.45		
TPCN1603PDR	9.525	3.175	1.3	2.45		
TPCN1603PDL	9.525	3.175	1.3	2.45		
TPKN1603PDR	9.525	3.175	1.3	2.45		
TPKN1603PDL	9.525	3.175	1.3	2.45		
TPAN2204PDR	12.7	4.76	1.4	3.55		
TPAN2204PDL	12.7	4.76	1.4	3.55		
TPCN2204PDR	12.7	4.76	1.4	3.55		
TPCN2204PDL	12.7	4.76	1.4	3.55		
TPKN2204PDR	12.7	4.76	1.4	3.55		
TPKN2204PDL	12.7	4.76	1.4	3.55		


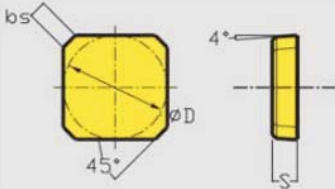
						
Type	Dimension (mm)					
	D	S	bs	b		
TFAN2203PFR	12.7	3.175	2.5	0.7		
TFAN2203PFL	12.7	3.175	2.5	0.7		


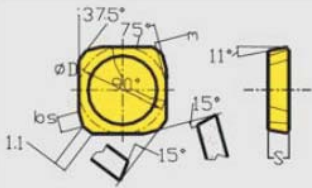
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Type	Dimension (mm)						
	D	S	bs	m			
SNAN1204ENN	12.7	4.76	1.4	0.8			
SNCN1204ENN	12.7	4.76	1.4	0.8			
SNKN1204ENN	12.7	4.76	1.4	0.8			
SNAN1504ENN	15.875	4.76	1.4	1.5			
SNCN1504ENN	15.875	4.76	1.4	1.5			
SNKN1504ENN	15.875	4.76	1.4	1.5			
SNAN1904ENN	19.05	4.76	2	1.3			
SNCN1904ENN	19.05	4.76	2	1.3			
SNKN1904ENN	19.05	4.76	2	1.3			


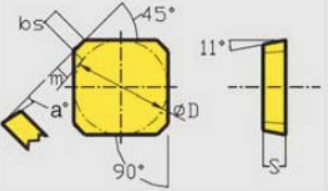
							
Type	Dimension (mm)						
	D	S	bs	m			
SNAN1204ANN	12.7	4.76	2	1.6			
SNCN1204ANN	12.7	4.76	2	1.6			
SNKN1204ANN	12.7	4.76	2	1.6			
SNEN1204ANN-2	12.7	4.76	2	1.94			
SNAN1504ANN	15.875	4.76	2.5	2			
SNCN1504ANN	15.875	4.76	2.5	2			
SNKN1504ANN	15.875	4.76	2.5	2			
SNAN1904ANN	19.05	4.76	3	2.5			
SNCN1904ANN	19.05	4.76	3	2.5			
SNKN1904ANN	19.05	4.76	3	2.5			


Milling Inserts


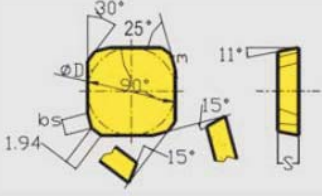
						
Type	Dimension (mm)					
	D	S	bs			
SBEX1203ZZ	12.7	3.175	0.8			
SBEX1204ZZ	12.7	4.76	0.8			
SBMX1204ZZ	12.7	4.76	0.8			


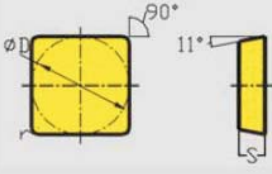
						
Type	Dimension (mm)					
	D	S	bs			
SPEN1203EDR-WC	12.7	3.175	1.3			


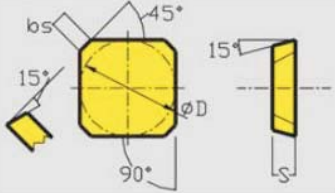

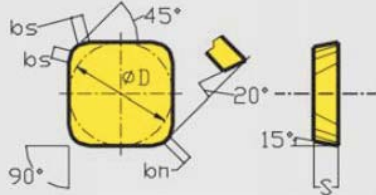

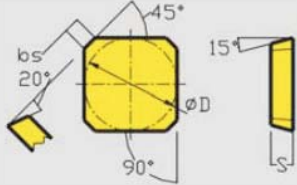

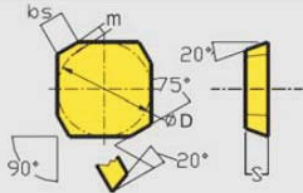
						
Type	Dimension (mm)					
	D	S	r			
SPEN120416-WC	12.7	4.76	1.6			
SPEN190424-TW	19.05	4.76	2.4			

						
Type	Dimension (mm)					
	D	S	bs	a		
SPCN1204APN	12.7	4.76	2.22	11°		
SPCN1904APN	19.05	4.76	4.48	10°		


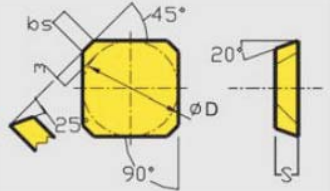
						
Type	Dimension (mm)					
	D	S	bs	m		
SPAN1203EDR	12.7	3.175	1.4	0.9		
SPAN1203EDL	12.7	3.175	1.4	0.9		
SPCN1203EDR	12.7	3.175	1.4	0.9		
SPCN1203EDL	12.7	3.175	1.4	0.9		
SPKN1203EDR	12.7	3.175	1.4	0.9		
SPKN1203EDL	12.7	3.175	1.4	0.9		
SPAN1504EDR	15.875	4.76	1.4	1.25		
SPAN1504EDL	15.875	4.76	1.4	1.25		
SPCN1504EDR	15.875	4.76	1.4	1.25		
SPCN1504EDL	15.875	4.76	1.4	1.25		
SPKN1504EDR	15.875	4.76	1.4	1.25		
SPKN1504EDL	15.875	4.76	1.4	1.25		


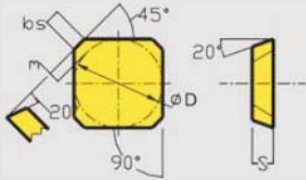
						
Type	Dimension (mm)					
	D	S	bs			
SPCN1203ZDTR	12.7	3.175	0.55			
SPCN1203ZDRL	12.7	3.175	0.55			


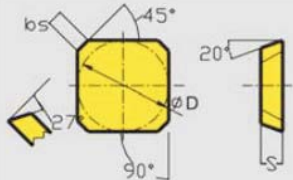
						
Type	Dimension (mm)					
	D	S	r			
SPEN120408	12.7	4.76	0.8			
SPEN150412	15.875	4.76	1.2			
SPEN190416	19.05	4.76	1.6			

							
Type	Dimension (mm)						
	D	S	bs				
SDCN1203ZTN	12.7	3.175	1.2				
SDCN1203ZFN	12.7	3.175	1.2				
SDCN1504ZTN	15.875	4.76	1.2				
SDCN1504ZFN	15.875	4.76	1.2				
SDKN1203ZTN	12.7	3.175	1.2				
SDKN1203ZFN	12.7	3.175	1.2				
SDKN1504ZTN	15.875	4.76	1.2				
SDKN1504ZFN	15.875	4.76	1.2				
							
Type	Dimension (mm)						
	D	S	bs	bn			
SDKN1504ZEN	15.875	4.76	0.466	1.46			
							
Type	Dimension (mm)						
	D	S	bs				
SDKN1504AEN	15.875	4.76	1.9				
							
Type	Dimension (mm)						
	D	S	bs	m			
SECN1203EER	12.7	3.175	2.5	0.8			
SECN1203EEL	12.7	3.175	2.5	0.8			


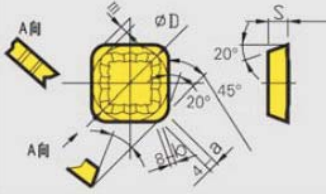
Milling Inserts


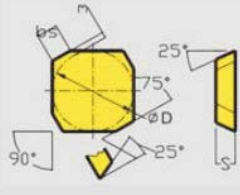
							
Type	Dimension (mm)						
	D	S	bs	m			
SEKN1203AFN	12.7	3.175	2	1.6			
SEKN1203AFTN	12.7	3.175	2	1.6			
SEKN1204AFN	12.7	4.76	2	1.6			
SEKN1204AFTN	12.7	4.76	2	1.6			
SEKN1205AFN	12.7	5.56	2	1.6			
SEKN1504AFN	15.875	4.76	2.5	2			
SEKN1504AFTN	15.875	4.76	2.5	2			


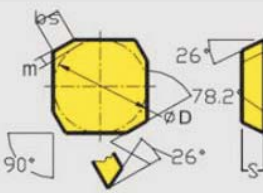
							
Type	Dimension (mm)						
	D	S	bs				
SEMN1204AEN	12.7	4.76	2.1				
SECN1203AEN	12.7	3.175	2.48				


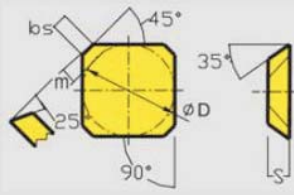
							
Type	Dimension (mm)						
	D	S	bs				
SEKN1204AZ	12.7	4.76	2				
SEMN1204AZ	12.7	4.76	2				
SEKN1504AZ	15.875	4.76	2				
SEMN1203AZ	12.7	3.175	2				
SEHN1204AZ	12.7	4.76	2				


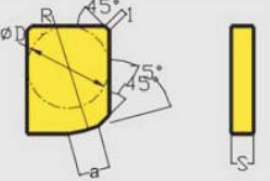
Milling Inserts


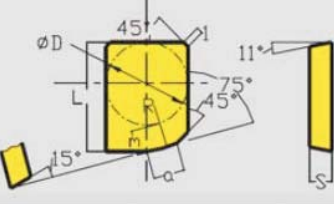
						
Type	Dimension (mm)					
	D	S	m	a	b	
SEKR1203AZ-YM	12.7	3.18	1.43	1.6	0.84	
SEKR1204AZ-YM	12.7	4.76	1.43	1.6	0.84	


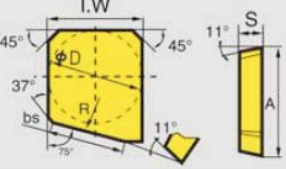
						
Type	Dimension (mm)					
	D	S	bs			
SFAN1203EFR	12.7	3.175	2.5			
SFAN1203EFL	12.7	3.175	2.5			


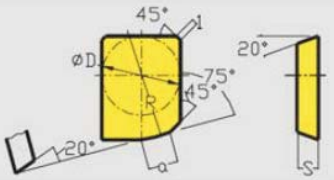
						
Type	Dimension (mm)					
	D	S	bs			
SFAN1203ZZR	12.7	3.175	2.39			
SFAN1203ZZL	12.7	3.175	2.39			


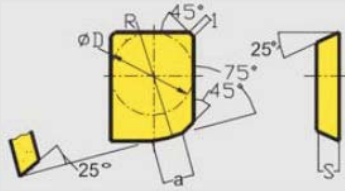
						
Type	Dimension (mm)					
	D	S	bs			
SOMX1603AEN	16.55	3.175	0.99			


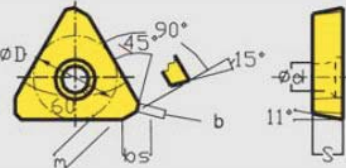
							
Type	Dimension (mm)						
	D	S	a	R			
SNEX1204ENN-1	12.7	4.76	10	500			
SNEX1504ENN-1	15.875	4.76	10	500			

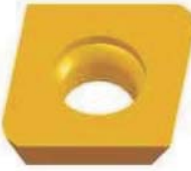
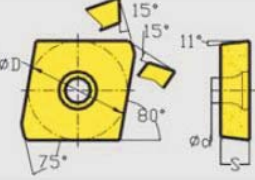
							
Type	Dimension (mm)						
	L	D	S	m	a	R	
LPEX1403EDR	14.7	12.7	3.175	0.97	8°	500	
LPEX1403EDL	14.7	12.7	3.175	0.97	8°	500	
LPEX1804EDR	18.3	15.875	4.76	1.32	10°	500	
LPEX1804EDL	18.3	15.875	4.76	1.32	10°	500	


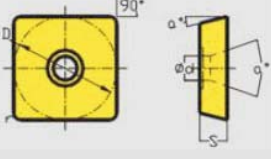
							
Type	Dimension (mm)						
	A	D	bs	S	R		
SPEX1203EDL-1	15	12.7	10	3.18	500		
SPEX1203EDR-1	15	12.7	10	3.18	500		
SPEX1504EDL-1	18.2	15.875	10	4.76	500		
SPEX1504EDR-1	18.2	15.875	10	4.76	500		


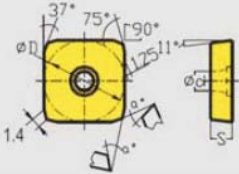
							
Type	Dimension (mm)						
	D	S	a	R			
SECX1203EER-1	12.7	3.175	10°	500			
SECX1203EEL-1	12.7	3.175	10°	500			


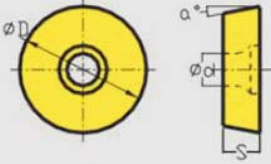
						
Type	Dimension (mm)					
	D	S	a	R		
SFCX1203EFR-1	12.7	3.175	10°	500		
SFCX1203EFL-1	12.7	3.175	10°	500		


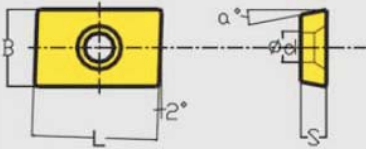
						
Type	Dimension (mm)					
	D	S	bs	d	b	
TPCW2204PDR	12.7	4.76	1.4	5.6	0.7	
TPCW2204PDL	12.7	4.76	1.4	5.6	0.7	


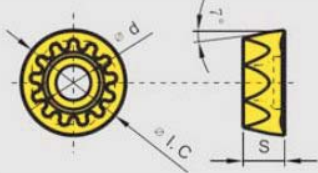
						
Type	Dimension (mm)					
	D	S	d			
CPCW1204PDR	12.7	4.76	5.5			


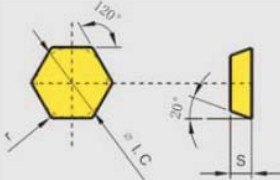
						
Type	Dimension (mm)					
	D	S	a			
P2800-0	9.525	3.175	14°			
P2808-1	12.7	4.76	11°			
P2809-1	12.7	4.76	11°			
P2803-1	12.7	4.76	11°			
P2800-2	15.88	4.76	11°			
P28415-0	9.525	3.175	14°			
P28495-0	12.7	4.76	11°			


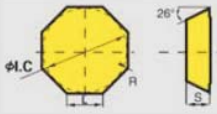
						
Type	Dimension (mm)					
	D	S	d	a		
SPCW1504EDR	15.88	4.76	5.6	15°		
SPCW1504EPL	15.88	4.76	5.6	11°		
SPCW1504EPR	15.88	4.76	5.6	11°		


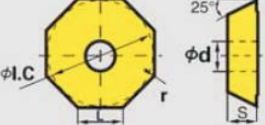
						
Type	Dimension (mm)					
	D	S	a			
P22215-00	8	2.38	14°			
P22215-14	12	4.76	11°			


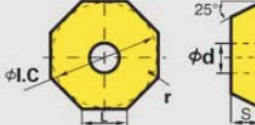
						
Type	Dimension (mm)					
	B * L	S	d	a		
P2700-3	9.525 * 15	3.175	4.5	14°		
P2706-3	12.7 * 15.88	4.76	5.5	11°		


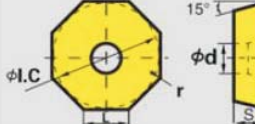
						
Type	Dimension (mm)					
	φI.C	S	φd			
RCKX1204MO-MP	12	4.76	4			
RCKX1204MO-RP	12	4.76	4			
RCKX1606MO-MP	16	6.35	5.56			
RCKX1606MO-RP	16	6.35	5.56			
RCKX2006MO-RP	20	6.35	6.55			

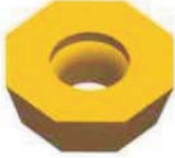
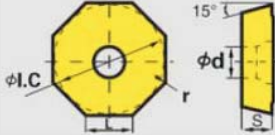
						
Type	Dimension (mm)					
	ϕI.C	S	r			
HEEN532	15.88	4.76	0.8			


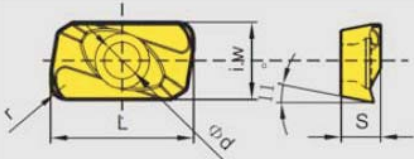
						
Type	Dimension (mm)					
	L	ϕI.C	S	R		
OFXR0704-FB	7.45	17.94	4.76	0.8		


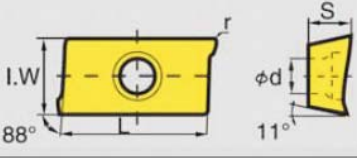
						
Type	Dimension (mm)					
	L	ϕI.C	S	ϕd	r	
OFER070405-NN	7.46	18	4.76	2.3	0.5	


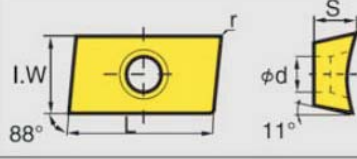
						
Type	Dimension (mm)					
	L	ϕI.C	S	ϕd	r	
OFMT05T305-NN	5.26	12.7	3.97	4.4	0.5	
OFMT070405-NN	7.46	18	4.76	5.5	0.5	


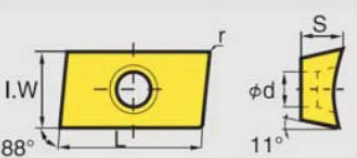
						
Type	Dimension (mm)					
	L	ϕI.C	S	ϕd	r	
ODHW0504ZZN		12.7	4.76	4.4		

						
Type	Dimension (mm)					
	L	ΦI.C	S	Φd	r	
ODHT0504ZZN-M2.5		12.7	4.76	4.4		


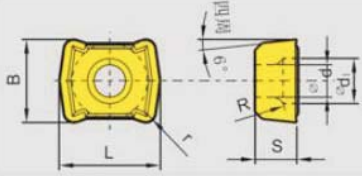
						
Type	Dimension (mm)					
	I.W	L	S	Φd	r	
APMT1135PDR	6.2	11.24	3.5	2.8	0.4	
APMT1604PDR	9.25	17.3	4.76	4.4	0.8	


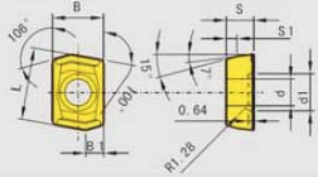
						
Type	Dimension (mm)					
	I.W	L	S	Φd	r	
APKT11T304-FC	6.5	12.24	3.6	2.8	0.4	
APKT160408-FC	9.33	17.877	4.76	4.4	0.8	


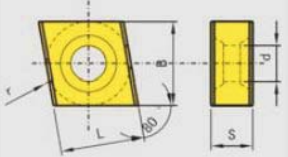
						
Type	Dimension (mm)					
	I.W	L	S	Φd	r	
APFT1604PDR	9.525	16.9	4.76	4.5	0.86	


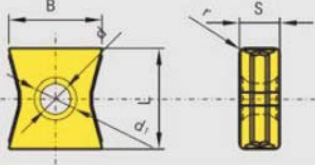
						
Type	Dimension (mm)					
	I.W	L	S	Φd	r	
APKT150412R	12.7	16.23	4.76	5.4	1.2	


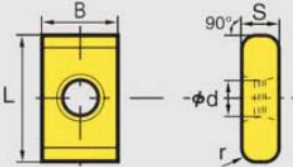
Milling Inserts


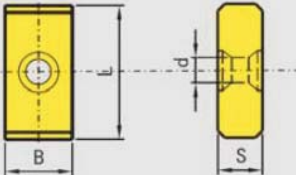
							
Type	Dimension (mm)						
	L	B	S	r	d	d1	R
LCMX030308	8	6.5	3.18	0.8	2.5	3.5	2
LCMX040308	10	8	3.18	0.8	2.8	3.9	2.5


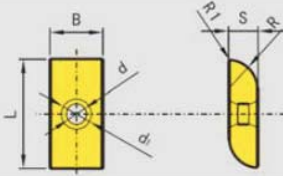
							
Type	Dimension (mm)						
	L	B	S	B1	S1	d	d1
LCMX060204-Φ2.5	6.7	4.76	2.38	3.36	0.75	2.5	3.3

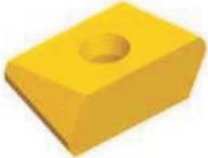
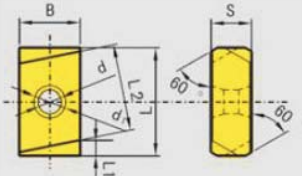
							
Type	Dimension (mm)						
	L	B	S	d	r		
CNE323	12.7	9.525	4.8	4.2	/		
CNE323-R0.8	12.7	9.525	4.8	4.2	/		
CNE44	12.7	12.7	6.35	5.4	/		
CNE44-R0.8	12.7	12.7	6.35	5.4	/		
CNE454	16.3	14.28	6.35	5.4	/		
CNE544R0.8-0.2	16	12	6.35	5.4	0.8		

							
Type	Dimension (mm)						
	L	B	S	r	d	d1	
LNKX1606PN-N MM	15	13.9	6	0.8	4.6	6.3	

							
Type	Dimension (mm)						
	L	B	S	Φd	r		
LNE32-524	15.88	9.525	4.76	4.4	1.6		
FNC443-01	25.4	14.3	4.76	5.7	2.4		

							
Type	Dimension (mm)						
	L	B	S	d			
LNE322	15.9	9.5	3.9	4.2			
LNE323	15.9	9.5	4.8	4.2			
LNE323-02	15.9	9.5	4.8	4.2			
LNE424R01	15.9	12.7	6.4	5.4			
LNE434-02	19.1	14.3	6.4	5.4			
LNE446R01	28.6	14.3	9.5	5.4			
LNE446L01	28.6	14.3	9.5	5.4			

							
Type	Dimension (mm)						
	L	B	S	Φd	r		
FNC334-103T05	23.5	11.5	6.4	6.5	0.4	4.4	6.5
FNC484-103	51	14.3	6.3	6.3	0.8X45°	5.6	8.45

							
Type	Dimension (mm)						
	L	B	S	d	L1	L2	
LNHX2509	25.4	14.3	9.5	5.5	3.74	20.4	

NSIC

राष्ट्रीय लघु उद्योग निगम लिमिटेड

THE NATIONAL SMALL INDUSTRIES CORPORATION LIMITED

(A Government of India Enterprise)



PRESTIGE CHAMBERS, 1ST FLOOR, KALYAN ST., MASJID (E), MUMBAI - 400 009.

TEL. : 2374 0268 / 0272 / 0116 • FAX : 2374 1989

E-mail : bomum@nsic.co.in • Website : http://www.nsic.co.in

सरकारी खरीद रजिस्ट्रेशन प्रमाण-पत्र

GOVT. PURCHASE ENLISTMENT CERTIFICATE

(Valid for 2 years from the date of issue)

No. NSIC/MUM/GP/RS/P-491/MH

Date: 09/02/2012.

M/S. PRECISION MEASURING INSTRUMENTS CO.,
401, Anand Deep Apartment, 4th Floor,
Opp. Datta Mangal Karyalaya, Ursekarwadi,
Dombivli (East)-421 201,
Tal. Kalyan, Dist: Thane.

Factory :-

401, Anand Deep Apartment,
Ursekarwadi,
Dombivli (East),
Tal. Kalyan, Dist: Thane.

Tel. : 022 -66340920 / Cell-09870188718

Fax : 022-66340920

Email : chirag_pmico@hotmail.comWeb : www.pmicoindia.co.in

Category Code	Nature : N	Gender : G	Status : S	Class : G	Area : B
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Name(s) of Proprietor :-

Mr. Chirag Lalit Azad.

Certificate of Regn. Under Single Point
Registration Scheme. Units registered under
this scheme are considered to be at par with
those registered directly with DGS & D..

Constitution Code : 04

Govt. Purchase Registration No: NSIC/MUM/GP/RS/P-491/MH Date : 09/02/2012.

Turnover 2008-09 Rs. 32.94 Lac.

2009-10 Rs. 36.23 Lac

2010-11 Rs. 40.76 Lac

Monetary Limit: Rs. 18.00 Lac

Your name has been registered as a SSI unit eligible for participation in the Central Government
Stores Purchase Programme as per the Single Point Registration Scheme for the following items / Stores:-

Sr. No	Name of Stores	Specifications to which stores are manufactured.	Qualitative Capacity	Quantitative Capacity Per Annum.
1.	Commissioning, Maintenance and Servicing of Industrial Precision Measuring Instruments, Products, Equipments and their accessories, spares, Consumables.	As per Customers' Specification	Customise	Worth of Rupees Fifty Lakhs (On products & Services mix.)



(SANJAY RAUTELA)
SR. BRANCH MANAGER



Precision Measuring Instruments Co.

Anand Deep CHS. Flat # 401, 4th Floor
Opp. Date Mangal Karyalay, Dombivli (E) - 421 201, Dist-Thane
Telefax : 91-22-6634 0920 Cell : 91-0-98701 88718
E-mail : chirag_pmico@hotmail.com
Website : www.pmicoindia.co.in