beyond™ DRIVE™

INNOVATIONS
PREVIEW 2016



www.kennametal.com

KENNAMETAL®

beyond™ DRIVE™

With Wear Detection Technology

The Advanced Surface Treatment:

- Reduces coating stresses
- Improves coating adhesion
- Bronze outer layer simplifies wear detection



Primary Application

Kennametal offers a complete portfolio of ISO-/ANSI-style inserts. Positive, negative, CVD, PVD, or uncoated, we have the insert to help increase productivity and achieve greater savings. Plus, our carbide insert line contains Beyond™ technology. Beyond inserts offer you greater versatility, reliability, and up to 30% higher productivity.

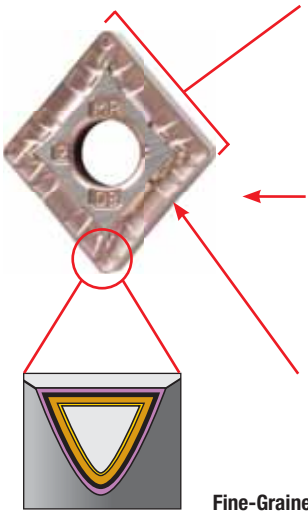
Beyond™ Drive™ is the solution for those looking for increased metal removal rates, longer tool life, versatility and improved wear detection.

Features and Benefits

Beyond™ Drive™ Inserts

Beyond™ Drive™ offers the same benefits of Kennametal's current market-leading Beyond™ products, but in a bronze color to increase wear identification.

- Increase productivity and process safety with Beyond grade technology.
- Post-coat treatment reduces stress and improves coating adhesion.
- Better toughness and wear resistance.
- Better wear detection.



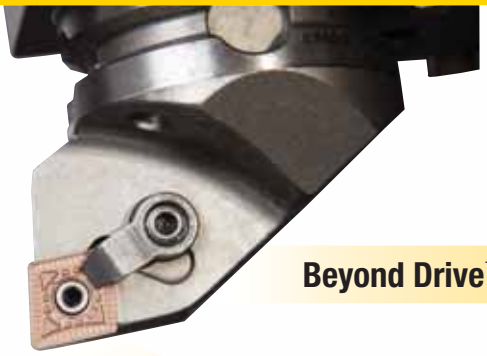
TiN/MT-TiCN/TiCN/ Al_2O_3/Ti0CN

Post-Coat Treatment
- Improves edge toughness.
- Reduces depth-of-cut notching.
- Long predictable tool life.
- Wide range of applications.

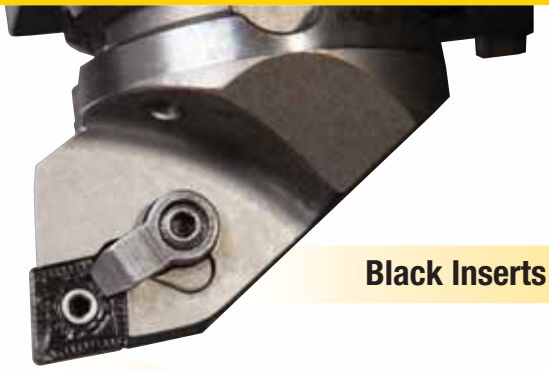
Micro-Polished Cutting Edges
- Improves edge toughness.
- Provides smooth outer surface to reduce forces, friction, and workpiece sticking.

Post coat grinding — Bottom
- Provides secure seating surface.

Fine-Grained Alumina Layer
- Provides coating integrity at elevated speeds.
- Higher productivity and dependability at high cutting temperatures.



Beyond Drive™



Black Inserts





With Wear Detection Technology

beyond™ DRIVE™

- Higher productivity and profitability — up to 30% higher.
- Lower cutting forces — increase speeds and reduce cycle time.
- Extended tool life.
- Predictable tool life/uniform wear.
- Resists chip flow damage.
- Consistent surface finish.
- Products can be applied across a wide range of applications.
- Use it in low speed to high speed applications.
- For finish to rough turning of steel, cast iron, stainless steel, and high-temp alloy turning.



Beyond PVD Grades

KCU10™

- PVD-coated grade with superior wear resistance at elevated temperatures, allowing higher metal cutting speeds.
- For use in all materials, especially stainless steels and high-temp alloys.
- Improved depth-of-cut notch resistance.
- Increase speed by 20–30% or feed by 10–15%.
- Use in finishing to medium applications.

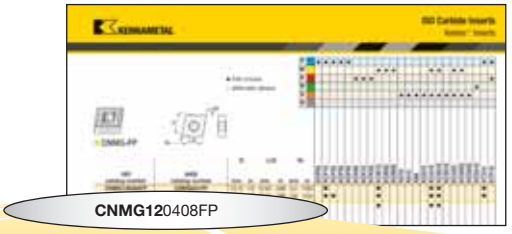


KCU25™

- PVD-coated grade with superior edge toughness and excellent wear resistance. Medium to roughing applications.
- Use in all materials.
- Increase speed, feed, and depth of cut by 10–20%.

How Do Catalogue Numbers Work?

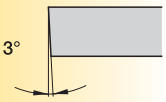
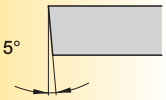
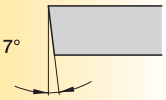
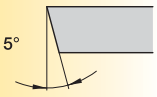
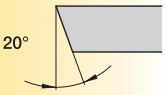
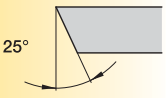
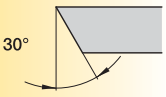
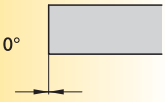
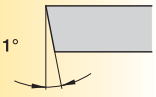
Each character in our catalogue number signifies a specific trait of that product. Use the following key columns and corresponding images to easily identify which attributes apply.



C — Insert Shape

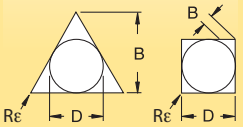
H	Hexagon 120°	
O	Octagon 135°	
P	Pentagon 108°	
R	Round —	
S	Square 90°	
T	Triangular 60°	
C D E M V	Rhomboid 80° 55° 75° 86° 35°	
W	Trigon 80° with enlarged corner angles	
L	Rectangular 90°	
A B N/K	Parallelogram 85° 82° 55°	

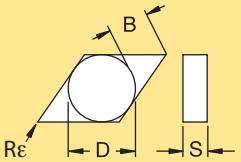
N — Insert Clearance Angle

A	3°	
B	5°	
C	7°	
D	15°	
E	20°	
F	25°	
G	30°	
N	0°	
P	11°	
O	Indicated for other clearance angles requiring descriptions.	

M — Tolerance Class

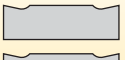
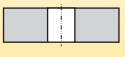
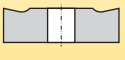
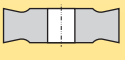
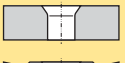
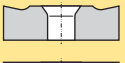
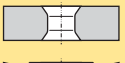
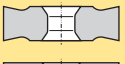
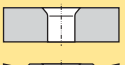
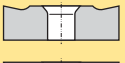
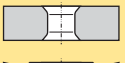
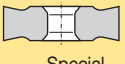
Tolerances apply prior to edge prep and coating





D = Theoretical diameter of the insert inscribed circle
S = Thickness
B = See figures below

G — Insert Features

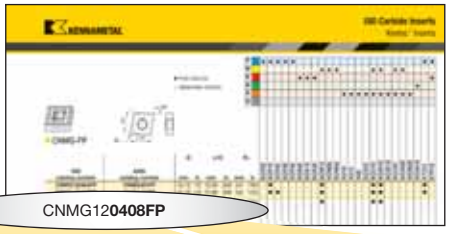
N	
R	
F	
A	
M	
G	
W	
T	
Q	
U	
B	
H	
C	
J	
X	Special Design

12 — Size

Code for inch cutting edge length "L10"								
	"D"							
inch	mm	C	D	R	S	T	V	W
1.2 (5)	3,97	S4	04	03	03	06	–	–
1.5 (6)	4,76	04	05	04	04	08	08	S3
1.8 (7)	5,56	05	06	05	05	09	09	03
–	6,00	–	–	06	–	–	–	–
2	6,35	06	07	06	06	11	11	04
2.5	7,94	08	09	07	07	13	13	05
–	8,00	–	–	08	–	–	–	–
3	9,52	09	11	09	09	16	16	06
–	10,00	–	–	10	–	–	–	–
3.5	11,11	11	13	11	11	19	19	07
–	12,00	–	–	12	–	–	–	–
4	12,70	12	15	12	12	22	22	08
4.5	14,29	14	17	14	14	24	24	09
5	15,88	16	19	15	15	27	27	10
–	16,00	–	–	16	–	–	–	–
5.5	17,46	17	21	17	17	30	30	11
6	19,05	19	23	19	19	33	33	13
–	20,00	–	–	20	–	–	–	–
7	22,22	22	27	22	22	38	38	15
–	25,00	–	–	25	–	–	–	–
8	25,40	25	31	25	25	44	44	17
10	31,75	32	38	31	31	54	54	21
–	32,00	–	–	32	–	–	–	–

tolerance class	tolerance on "D"	tolerance on "B"	tolerance on "S"
C	±0,025	±0,013	±0,025
H	±0,013	±0,013	±0,025
E	±0,025	±0,025	±0,025
G	±0,025	±0,025	±0,013
M	See tables on next page		±0,013
U	See tables on next page		±0,013

By referencing this easy-to-use guide, you can identify the correct product to meet your needs.



04	08			FP
Thickness S	Corner Radius "Rε"	Hand of Insert (optional)	Cutting Edge (optional)	Chipbreaker (optional)

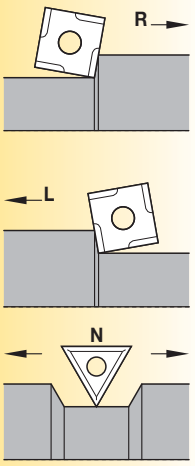
symbol	thickness
mm	mm
—	0,79
T0	1,00
01	1,59
T1	1,98
02	2,38
03	3,18
T3	3,97
04	4,76
05	5,56
06	6,35
07	7,94
9	9,52
11	11,11
12	12,70

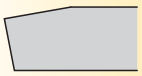
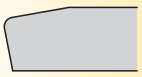
symbol	corner radius
mm	mm
X0	0,04
01	0,1
02	0,2
04	0,4
08	0,8
12	1,2
16	1,6
20	2,0
24	2,4
28	2,8
32	3,2
00	round insert
M0	
—	

R = Right hand

L = Left hand

N = Neutral



F		Sharp
E		Rounded
T		Chamfered
S		Chamfered and Rounded
K		Double-Chamfered
P		Double-Chamfered and Rounded

F	= Sharp
FF	= Fine Finishing
FN	= Finishing Negative
MN	= Medium Negative
MR	= Medium Roughing
RN	= Roughing Negative
UN	= Universal Medium
FP	= Finishing Positive
MP	= Medium Positive
RP	= Roughing Positive
RM	= Roughing Medium
RH	= Roughing Heavy
FW	= Finishing Wiper
MW	= Medium Wiper
FS	= Finishing Sharp
MS	= Medium Sharp
RW	= Roughing Wiper
HP	= High Positive
UP	= Universal Positive
K	= Light-Feed Chip Control
UF	= Ultra-Fine Finishing
LF	= Light Finishing
MF	= Medium Finishing
E	= Hone Only
T	= Negative Land
S	= Negative Land Plus Hone
MP-K	= Medium Positive
MG-P	= Medium Positive

	± Tolerance on "D"			
	Class M Tolerance			Class U Tolerance
"D"	Shapes S, T, C, R, & W	Shape D	Shape V	Shapes S, T, & C
mm	mm	mm	mm	mm
3,97	0,05	–	–	–
4,76	0,05	–	–	0,08
5,56	0,05	0,05	0,05	0,08
6,35	0,05	0,05	0,05	0,08
7,94	0,05	0,05	0,05	0,08
9,52	0,05	0,05	0,05	0,08
11,11	0,08	0,08	0,08	0,13
12,70	0,08	0,08	0,08	0,13
14,29	0,08	0,08	0,08	0,13
15,88	0,10	0,10	0,10	0,18
17,46	0,10	0,10	0,10	0,18
19,05	0,10	0,10	0,10	0,18
22,22	0,13	–	–	0,25
25,40	0,13	–	–	0,25
31,75	0,15	–	–	0,25

	± Tolerance on "B"			
	Class M Tolerance			Class U Tolerance
"D"	Shapes S, T, C, R, & W	Shape D	Shape V	Shapes S, T, & C
mm	mm	mm	mm	mm
3,97	0,08	–	–	–
4,76	0,08	–	–	0,13
5,56	0,08	0,11	–	0,13
6,35	0,08	0,11	–	0,13
7,94	0,08	0,11	–	0,13
9,52	0,08	0,11	0,18	0,13
11,11	0,13	0,15	–	–
12,70	0,13	0,15	0,25	0,20
14,29	0,13	0,15	–	–
15,88	0,15	0,18	–	0,27
17,46	0,15	0,18	–	0,27
19,05	0,15	0,18	–	0,27
22,22	0,15	–	–	0,38
25,40	0,18	–	–	0,38
31,75	0,20	–	–	0,38

Insert Selection System

How to Use

Kennametal's three-step insert selection system makes choosing and applying the most productive tool as easy as 1, 2, 3. Tool recommendations are based on six workpiece material groups, optimising selection accuracy.

Example:
Six workpiece material groups

Step 1 • Select the insert geometry

Given:	depths of cut = 1mm feed = 0,4mm
Unknown:	**insert geometry**
Solution:	-MN

Step 2 • Select the grade

Given:	cutting conditions: lightly interrupted cut
Geometry:	-MN
Unknown:	**grade**
Solution:	KCP25



Step 3 • Select the cutting speed

Given:	grade KCP25 cutting conditions material CK15
Unknown:	**cutting speed**
Solution:	280 m/min



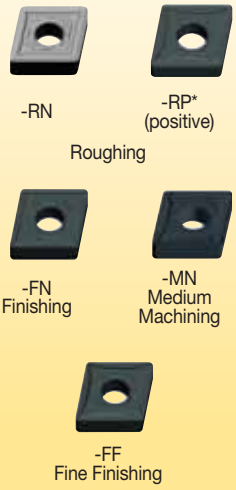
Need help in selecting a product?
Additional information can be obtained by contacting
Kennametal's Customer Application Support Team.
Go to www.kennametal.com for your country's phone number.

Step 1 • Select the insert geometry

P	Steel
M	Stainless Steel
K	Cast Iron
N	Non-Ferrous
S	High-Temp Alloys
H	Hardened Materials

beyond DRIVE™

Negative Wiper Inserts



-RN

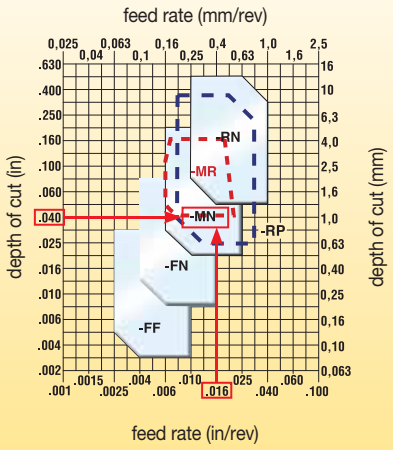
-RP* (positive)

Roughing

-FN Finishing

-MN Medium Machining

-FF Fine Finishing



*-RP – Supplemental geometry for high-strength materials

Step 2 • Select the grade

cutting condition	-FF	-FN	-MN	-RN	-RP	-11	-UF	-LF	-FP	-MF	-MP
heavily interrupted cut	KCP10B	KCP25B	KCP30B	KCP30B/ KCP40B	KCP30B/ KCP40B	–	KCU10/ KCP25B	KCP25B	KCU25/ KCP25B	KCP40B	KCM25B
lightly interrupted cut	KCP10B	KCP25B	KCP25B	KCP30B/ KCP40B	KCP30B/ KCP40B	–	KCU10/ KCP25B	KCP25B	KCP25B	KCP25B	KCP25B
varying depth of cut, casting, or forging skin	KCP05B/ KT315	KCP10B	KCP10B	KCP30B/ KCP40B	KCP30B/ KCP40B	KT315	KCP10B	KCP10B	KCP10B	KCP10B	KCP10B

Step 3 • Selecting the cutting speed

Low-Carbon (<0.3% C) and Free-Machining Steel — speed — m/min (SFM) — Starting Conditions

material group	grade	135 (450)	180 (600)	225 (800)	275 (900)	320 (1050)	360 (1200)	410 (1350)	455 (1500)	495 (1650)	m/min	SFM
P1	KCP05B/KTP10										435	1450
	KCP10B										395	1320
	KCP25B										275	925
	KCP30B/KCP40B										210	700

New Beyond™ Material Group Selection Guide:

To optimise speed recommendations, Beyond material subgroups have been added to each of the six workpiece material groups.

material	material group ISO code	number of material subgroups
steel	P	1–6
stainless steel	M	1–3
cast iron	K	1–3
non-ferrous materials	N	1–8
high-temp alloys	S	1–4
hardened materials	H	1

Step 1 • Select the insert geometry

Negative Wiper Inserts



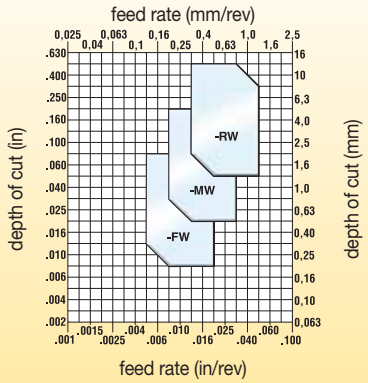
-RW
Rough Wiper



-MW
Medium Wiper



-FW
Finishing Wiper



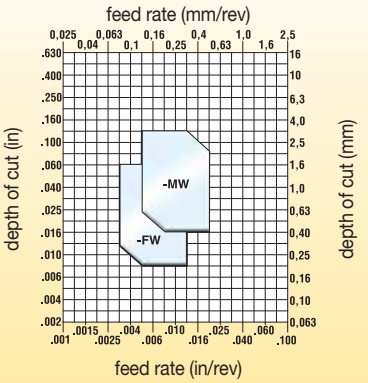
Positive Wiper Inserts



-MW
Medium Wiper



-FW
Finishing Wiper



Step 2 • Select the grade

cutting condition	Negative Insert Geometry -FW	-MW	-RW	Positive Insert Geometry -FW	-MW
heavily interrupted cut	–	–	KCP25B	–	KCP25B
lightly interrupted cut	KCP10B	KCP25B	KCP25B	KCP25B	KCP25B
varying depth of cut, casting, or forging skin	KCP05B/KT315	KCP10B	KCP10B	KCP10B/KCK20B	KCP10B
smooth cut, pre-turned surface	KCP05B/KT315	KCP05B	KCP10B	KCP10B/KT315	KT315

Step 1 • Select the insert geometry

Negative Inserts



-RN



-RP*
(positive)



-MR
Medium
Roughing



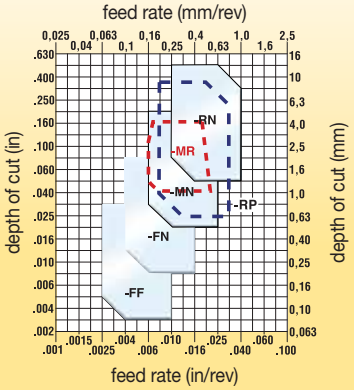
-MN
Medium
Machining



-FN
Finishing



-FF
Fine Finishing



*-RP – Supplemental geometry for high-strength materials

Positive Inserts



-MF



-MP
Positive

Medium Machining



-LF



-FP
Positive

Finishing

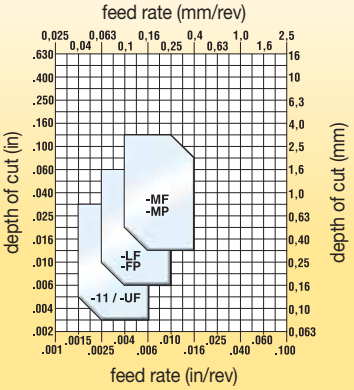


-11



-UF

Fine Finishing



Step 2 • Select the grade

cutting condition	-FF	-FN	-MN	-MR	-RN	-RP	-11	-UF	-LF	-FP	-MF	-MP
heavily interrupted cut	KCP10B	KCP25B	KCP30B	–	KCP30B/ KCP40B	KCP30B/ KCP40B	–	KCU10/ KCP25B	KCP25B	KCP25B	KCP40B	KCM25B
lightly interrupted cut	KCP10B	KCP25B	KCP25B	KCP25B	KCP25B	KCP25B	–	KCU10/ KCP25B	KCP25B	KCP25B	KCP25B	KCP25B
varying depth of cut, casting, or forging skin	KCP05B/ KT315	KCP10B	KCP10B	KCP10B	KCP10B	KCP10B	KT315	KCP10B	KCP10B	KCP10B	KCP10B	KCP10B
smooth cut, pre-turned surface	KCP05B/ KT315	KCP05B	KCP05B	KCP10B/ KCK15B	KCP05B	KCP05B	KT315	KCP05B	KCP05B/ KT315	KCP05B/ KTP10	KCP05B	KCP05B

Step 3 • Selecting the cutting speed

Low-Carbon (<0.3% C) and Free-Machining Steel — speed — m/min (SFM) — Starting Conditions

material group	grade	135 (450)	180 (600)	225 (800)	275 (900)	320 (1050)	360 (1200)	410 (1350)	455 (1500)	495 (1650)	m/min	SFM
P0/P1	KCP05B/KTP10							◇			435	1450
	KCP10B							◇			395	1320
	KCP25B				◇						275	925
	KCP30B/KCP40B		◇								210	700
	KT315								◇		440	1450
	KCU10			◇							280	925

Medium- and High-Carbon Steels (>0.3% C) — speed — m/min (SFM) — Starting Conditions

material group	grade	135 (450)	180 (600)	225 (800)	275 (900)	320 (1050)	360 (1200)	410 (1350)	455 (1500)	495 (1650)	m/min	SFM
P2	KCP05B/KTP10				◇						240	800
	KCP10B			◇							265	880
	KCP25B		◇								195	650
	KCP30B/KCP40B	◇									150	500
	KT315				◇						270	880
	KCU10	◇									200	650

Alloy Steels and Tool Steels (≤330 HB) (≤35 HRC) — speed — m/min (SFM) — Starting Conditions

material group	grade	135 (450)	180 (600)	225 (800)	275 (900)	320 (1050)	360 (1200)	410 (1350)	455 (1500)	495 (1650)	m/min	SFM
P3	KCP05B/KTP10			◇							205	680
	KCP10B			◇							190	630
	KCP25B		◇								155	510
	KCP30B/KCP40B	◇									120	400
	KT315			◇							210	680
	KCU10		◇								155	510

Alloy Steels and Tool Steels (340–450 HB) (36–48 HRC) — speed — m/min (SFM) — Starting Conditions

material group	grade	60 (200)	90 (300)	120 (400)	150 (500)	180 (600)	210 (700)	240 (800)	270 (900)	300 (1000)	m/min	SFM
P4	KCP05B/KTP10				◇						160	530
	KCP10B				◇						145	480
	KCP25B			◇							105	360
	KCP30B/KCP40B		◇								95	325
	KT315					◇					210	530
	KCU10			◇							110	360

Ferritic, Martensitic, and PH Stainless Steels (≤330 HB) (≤35 HRC) — speed — m/min (SFM) — Starting Conditions

material group	grade	120 (400)	150 (500)	180 (600)	210 (700)	240 (800)	270 (900)	300 (1000)	330 (1100)	360 (1200)	m/min	SFM
P5	KCP05B/KTP10					◇					240	800
	KCP10B					◇					215	720
	KCP25B				◇						195	650
	KCP30B/KCP40B		◇								135	450
	KT315					◇					250	800
	KCU10				◇						200	660

Ferritic, Martensitic, and PH Stainless Steels (340–450 HB) (36–48 HRC) — speed — m/min (SFM) — Starting Conditions

material group	grade	105 (350)	135 (450)	165 (550)	195 (650)	225 (750)	255 (850)	285 (950)	315 (1050)	345 (1150)	m/min	SFM
P6	KCP05B/KTP10					◇					200	660
	KCP10B				◇						180	600
	KCP25B			◇							150	500
	KCP30B/KCP40B	◇									105	350
	KT315					◇					200	660
	KCU10			◇							150	500

Step 1 • Select the insert geometry

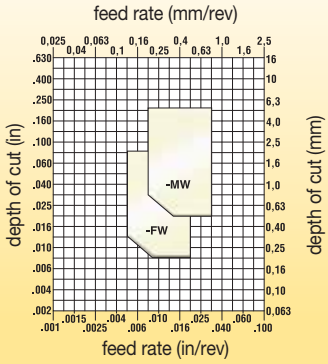
Negative Wiper Inserts



-MW
Medium Wiper



-FW
Finishing Wiper



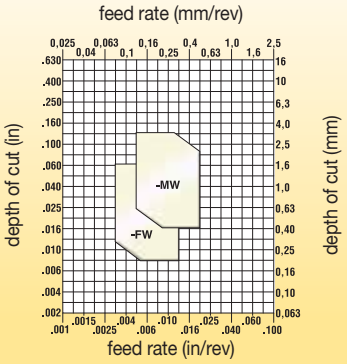
Positive Wiper Inserts



-MW
Medium Wiper



-FW
Finishing Wiper



Step 2 • Select the grade

cutting condition		Negative Insert Geometry -FW	Negative Insert Geometry -MW	Positive Insert Geometry -FW	Positive Insert Geometry -MW
heavily interrupted cut		–	–	–	–
lightly interrupted cut		KCM15B	KCM25B	KCM15B	KCM15B
varying depth of cut, casting, or forging skin		KCM15B/KCU10	KCM15B	KCU10	KCU10
smooth cut, pre-turned surface		KCM15B/KT315	KCM15B	KT315	KT315

Step 1 • Select the insert geometry

Negative Inserts



-RP -P
Roughing



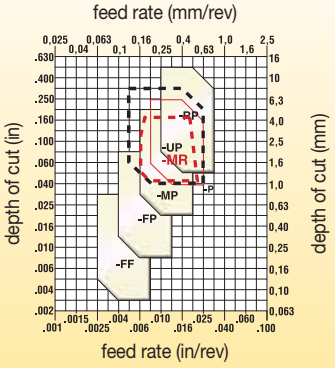
-MR
Medium Roughing



-MP -UP
Medium Machining



-FP -FF
Finishing



Positive Inserts



-MP
Medium Machining



-LF



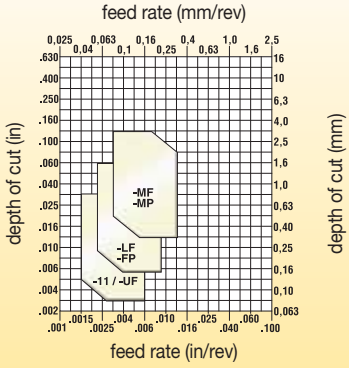
..GT-LF
Finishing



-11



-UF
Fine Finishing



Step 2 • Select the grade

cutting condition		Negative Insert Geometry -FF	-FP	-MP/-UP	-P/-RP	-MR
heavily interrupted cut		KCU10	KCM15B	KCM35B	KCM35B	KCM35B
lightly interrupted cut		KCU10	KCM15B	KCM25B	KCM25B	KCM25B
varying depth of cut, casting, or forging skin		KT315	KCM15B/KCU10	KCM15B	KCM15B/KCM25B	KCM15B
smooth cut, pre-turned surface		KT315	KCM15B/KT315	KCM15B/KCU10	KCU10	KCM15B

(continued)

Step 2 • Select the grade *(continued)*

cutting condition		Positive Insert Geometry -11	-UF	-LF	-MP/-MF	-FP	..GT-LF
heavily interrupted cut		–	KCU25	KCM35B	KCM25B	KCU25/ KCM25B	KCU25
lightly interrupted cut		–	KCU10	KCM25B	KCM25B	KCM15B	KCU25
varying depth of cut, casting, or forging skin		KT315	–	KCM15B/ KCU10	KCM15B	KCU10	KCU10
smooth cut, pre-turned surface		KT315	–	KCM15B/ KT315	KCM15B	KTP10	KCU10

Step 3 • Selecting the cutting speed

Austenitic Stainless Steel — speed — m/min (SFM)) — Starting Conditions ◁▷

material group	grade	90 (300)	135 (450)	180 (600)	225 (800)	270 (900)	315 (1050)	360 (1200)	405 (1350)	450 (1500)	m/min	SFM
M1	KCM15B			◁▷							180	600
	KCM25B		◁▷								150	500
	KCM35B	◁▷									120	400
	KT315				◁▷						230	750
	KCU10			◁▷							215	700
	KCU25			◁▷							180	550

Austenitic Stainless Steel — speed — m/min (SFM) — Starting Conditions ◁▷

material group	grade	90 (300)	135 (450)	180 (600)	225 (800)	270 (900)	315 (1050)	360 (1200)	405 (1350)	450 (1500)	m/min	SFM
M2	KCM15B			◁▷							165	550
	KCM25B		◁▷								140	450
	KCM35B	◁▷									105	350
	KT315				◁▷						215	700
	KCU10			◁▷							200	650
	KCU25			◁▷							165	500

Austenitic Stainless Steel — speed — m/min (SFM) — Starting Conditions ◁▷

material group	grade	90 (300)	135 (450)	180 (600)	225 (800)	270 (900)	315 (1050)	360 (1200)	405 (1350)	450 (1500)	m/min	SFM
M3	KCM15B			◁▷							150	500
	KCM25B		◁▷								120	400
	KCM35B	◁▷									90	300
	KT315				◁▷						200	650
	KCU10			◁▷							185	600
	KCU25			◁▷							150	450

Step 1 • Select the insert geometry

Negative Wiper Inserts



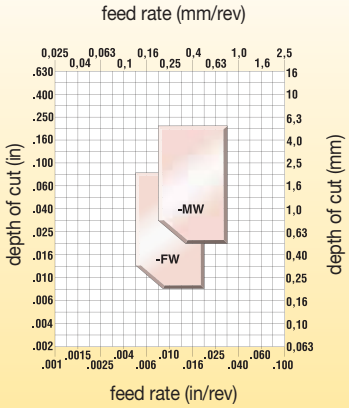
-MW -S...MW
Medium Wiper



-FW -FW
-T-20FW



-FW
-T-20FW
Finishing Wiper



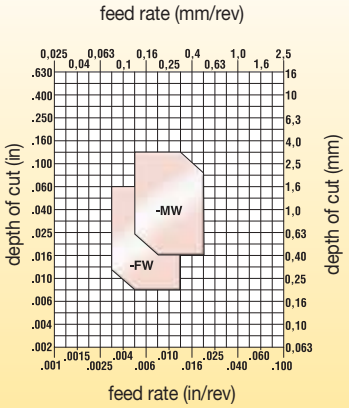
Positive Wiper Inserts



-MW
Medium Wiper



-FW
Finishing Wiper



Step 2 • Select the grade

Grey Iron

		Negative Insert Geometry			Positive Insert Geometry	
cutting condition		**-FW**	**-T-20FW**	**-S...MW...**	**-FW**	**-MW**
heavily interrupted cut		–	KY3500	KB1345	–	KCK15B/ KCK20B
lightly interrupted cut		KCK15B	KY3500	KB1345	KCK20B	KCK15B/ KCK20B
varying depth of cut, casting, or forging skin		KCK05B/KT315	KYK10	KB1345	KCK20B	KCK15B/ KCK20B
smooth cut, pre-turned surface		KCK05B/KT315	KYK25	KB1345	KCK20B/ KT315	KCK15B/ KCK20B/KT315

Ductile Iron

		Negative Insert Geometry		Positive Insert Geometry	
cutting condition		**-FW**	**-T-20FW**	**-FW**	**-MW**
heavily interrupted cut		–	–	–	–
lightly interrupted cut		KCK15B	KY3500	KCK20B	KCK20B
varying depth of cut, casting, or forging skin		KCK05B/KT315	KYK10	KCK20B	KCK20B
smooth cut, pre-turned surface		KCK05B/KT315	KYK25	KCK20B/KT315	KCK20B/KT315

Step 3 • Selecting the cutting speed

Grey Cast Iron — speed — m/min (SFM) — Starting Conditions

material group	grade	60 (200)	150 (500)	240 (800)	330 (1100)	420 (1400)	510 (1700)	600 (2000)	690 (2300)	780 (2600)	m/min	SFM
K1	KCK05B					◁▷					450	1500
	KCK15B				◁▷						360	1200
	KCK20B				◁▷						300	1000
	KT315				◁▷						275	900

Ductile, Compacted Graphite, and Malleable Cast Irons (<80 KSI tensile strength) — speed — m/min (SFM) — Starting Conditions

material group	grade	60 (200)	150 (500)	240 (800)	330 (1100)	420 (1400)	510 (1700)	600 (2000)	690 (2300)	780 (2600)	m/min	SFM
K2	KCK05B				◁▷						360	1200
	KCK15B			◁▷							270	900
	KCK20B			◁▷							240	800
	KT315			◁▷							275	900

Ductile, Compacted Graphite, and Malleable Cast Irons (>80 KSI tensile strength) — speed — m/min (SFM) — Starting Conditions

material group	grade	60 (200)	150 (500)	240 (800)	330 (1100)	420 (1400)	510 (1700)	600 (2000)	690 (2300)	780 (2600)	m/min	SFM
K3	KCK05B			◁▷							240	800
	KCK15B			◁▷							215	725
	KCK20B		◁▷								210	700
	KT315			◁▷							230	750

Step 1 • Select the insert geometry

beyond DRIVE™

Negative Inserts

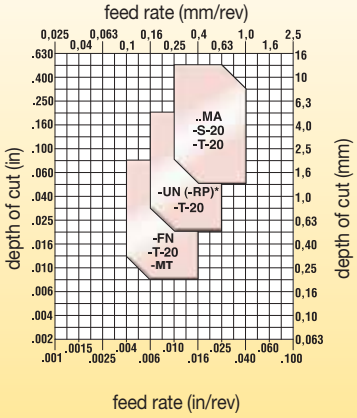
..MA -S-20 | -T-20

-MR Medium Roughing | -S-20 Roughing

-UN | -RP

-T-20 Medium Machining | -FN Finishing

-T-20 | -MT Finishing



Positive Inserts

-MF | -T-20

-MP | -C

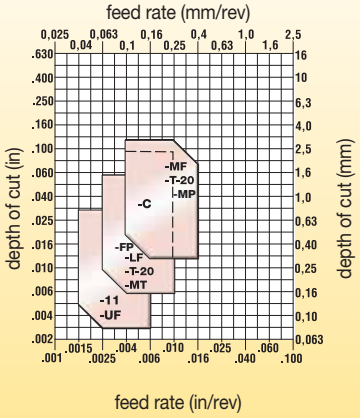
Medium Machining

-LF | -T-20

-FP Positive | -MT

Finishing

-11 | -UF Fine Finishing



* Geometry can be used in medium machining operations to reduce tool pressure in high-strength metals.

Step 2 • Select the grade

Grey Iron

		Negative Insert Geometry				Positive Insert Geometry			
cutting condition		**-FN**	**-MR**	**-UN(-RP)**	**-MA**	**-LF**	**-FP**	**-MF**	**-MP**
heavily interrupted cut		KCK15B	KCP25B/ KCP10B	KCK20B	KCK20B	KCK20B	KCK20B	KCK20B	KCK20B
lightly interrupted cut		KCK15B	KCP10B/ KCP25B	KCK20B	KCK20B	KCK20B	KCK20B	KCK20B	KCK20B
varying depth of cut, casting, or forging skin		KCK05B/ KT315	KCK15B	KCK15B	KCK15B	KCK15B	KCK20B	KCK15B	KCK20B
smooth cut, pre-turned surface		KCK05B/ KT315	KCK15B	KCK05B	KCK05B	KCK05B	KCK20B	KCK15B	KCK20B

Ductile Iron

		Negative Insert Geometry				Positive Insert Geometry			
cutting condition		**-FN**	**-UN(-RP)**	**-MA**	**-11/-UF**	**-LF**	**-MF**	**-FP**	**-MP**
heavily interrupted cut		KCK15B	KCK20B	KCK20B	–	KCK20B	KCK20B	KCK20B	KCK20B
lightly interrupted cut		KCK15B	KCK20B	KCK20B	KCU10	KCK20B	KCK20B	KCK20B	KCK20B
varying depth of cut, casting, or forging skin		KCK05B/ KT315	KCK15B	KCK15B	KCU10	KCK15B	KCK15B	KCK20B	KCK20B
smooth cut, pre-turned surface		KCK05B/ KT315	KCK05B	KCK05B	KT315	KCU10	KCK15B	KCK20B	KCK20B

(continued)

Step 2 • Select the grade *(continued)*

Grey Iron

	Ceramic and PCBN Grades								
	Negative Insert Geometry					Positive Insert Geometry			
cutting condition	-T-20 Finishing	MT	-T-20 Medium	-T-20 Roughing	-S20	-T-20 Fine Finishing	-T-20 Medium	MT	C
heavily interrupted cut	KY3500	KCK20B	KY3500	KY3500	KB1340	–	KY3500	KB1630/ KB1345	KB1630/ KB1345
lightly interrupted cut	KY3500	KB1345	KYK10	KY3500	KB1340	–	KY3500	KB1630/ KB1345	KB1630/ KB1345
varying depth of cut, casting, or forging skin	KYK10	KB1345	KYK10	KYK10	KB1340	KY3500	KY3500	KB1630/ KB1345	KB1630/ KB1345
smooth cut, pre-turned surface	KYK25	KB1345	KYK25	KYK25	KB1340	KY3500	KY3500	KB1630/ KB1345	KB1630/ KB1345

Ductile Iron

	Negative Insert Geometry			Positive Insert Geometry		
cutting condition	-T-20 Finishing	-T-20 Medium	-T-20 Roughing	-T-20 Fine Finishing	-T-20 Finishing	-T-20 Medium
heavily interrupted cut	–	KY3500	KY3500	–	KY3500	KY3500
lightly interrupted cut	–	KYK25	KYK25	–	KYK25	KYK25
varying depth of cut, casting, or forging skin	KYK25	KYK25	KYK25	KYK25	KYK25	KYK25
smooth cut, pre-turned surface	KYK25	KYK25	KYK25	KYK25	KYK25	KYK25

Step 3 • Selecting the cutting speed (Optimal speed depends on casting quality and disposition.)

Grey Cast Iron — speed — m/min (SFM) — Starting Conditions

material group	grade	60 (200)	180 (600)	305 (1000)	430 (1400)	550 (1800)	675 (2200)	800 (2600)	920 (3000)	1040 (3400)	1160 (3800)	m/min	SFM
K1	KT315		◇									275	900
	KB1340/KB1345							◇				760	2500
	KYK25							◇				760	2500
	KY3500							◇				760	2500
	KYK10							◇				760	2500
	KCK05B				◇							450	1500
	KCK15B			◇								360	1200
	KCK20B			◇								300	1000

Ductile, Compacted Graphite, and Malleable Cast Irons (<600 MPa tensile strength) — speed — m/min (SFM) — Starting Conditions

material group	grade	90 (300)	135 (450)	180 (600)	225 (750)	275 (900)	320 (1050)	360 (1200)	410 (1350)	460 (1500)	500 (1650)	550 (1800)	600 (1950)	m/min	SFM
K2	KT315					◇								275	900
	KCU10			◇										200	650
	KYK25									◇				430	1400
	KY3500							◇						365	1200
	KYK10							◇						365	1200
	KCK05B						◇							360	1200
	KCK15B					◇								270	900
	KCK20B				◇									240	800

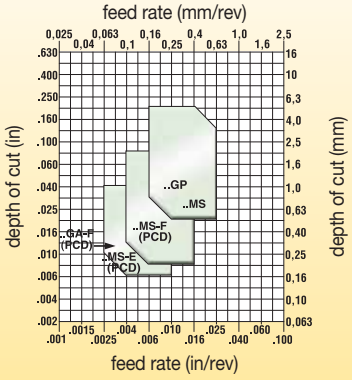
Ductile, Compacted Graphite, and Malleable Cast Irons (>600 MPa tensile strength) — speed — m/min (SFM) — Starting Conditions

material group	grade	90 (300)	135 (450)	180 (600)	225 (750)	275 (900)	320 (1050)	360 (1200)	410 (1350)	460 (1500)	500 (1650)	550 (1800)	600 (1950)	m/min	SFM
K3	KT315				◇									230	750
	KCU10			◇										150	500
	KYK25							◇						365	1200
	KCK05B				◇									240	800
	KCK15B			◇										215	725
	KCK20B		◇											210	700

Step 1 • Select the insert geometry

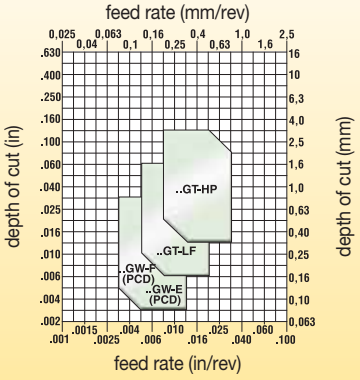
Negative Inserts





Positive Inserts





Step 2 • Select the grade

		Negative Insert Geometry					Positive Insert Geometry			
cutting condition		**..GA-E (PCD)**	**..MS-E (PCD)**	**..GA-F (PCD)**	**..GP**	**..MS**	**..GW-E (PCD)**	**..GW-F (PCD)**	**..GT-LF**	**..GT-HP**
heavily interrupted cut		–	–	KD1400	KC5410/ K313	KC5410	–	KD1400	–	KC5410
lightly interrupted cut		KD1405	KD1405	KD1400	KC5410/ K313	KC5410	KD1405	KD1400	KC5410	KC5410
varying depth of cut, casting, or forging skin		KD1405	KD1405	KD1425	KC5410/ K313	KC5410	KD1405	KD1425	KC5410	KC5410
smooth cut, pre-turned surface		KD1405	KD1405	KD1425	KC5410/ K313	KC5410	KD1405	KD1425	KC5410	KC5410

Step 3 • Selecting the cutting speed

Low-Silicon Aluminium Alloys
(hypoeutectic <12,2% Si) and Magnesium Alloys

material group	grade	250 (800)	500 (1600)	750 (2400)	1000 (3200)	1250 (4000)	1500 (4800)	1750 (5600)	2000 (6400)	2250 (7200)	2500 (8000)	m/min	SFM
N1	KC5410	speed — m/min (SFM)										550	1800
	KD1400											765	2500

Starting Conditions

High-Silicon Aluminium Alloys
(hypereutectic >12,2% Si) and Magnesium Alloys

material group	grade	250 (800)	500 (1600)	750 (2400)	1000 (3200)	m/min	SFM
N3	KD1405	speed — m/min (SFM)				550	1800
	KD1425					765	2500

Starting Conditions

Additional cutting speed recommendations for miscellaneous workpiece materials

Copper-, Brass-, Zinc-Based on a Machinability Index Range of 70–100 — speed — m/min (SFM) — Starting Conditions ◁▷

material group	grade	250 (800)	500 (1600)	750 (2400)	1000 (3200)	m/min	SFM
N4	KD1400/KD1405		◁▷			520	1700
	KD1425		◁▷			500	1600
	KC5410	◁▷				275	900
	K313	◁▷				260	850

Nylon, Plastics, Rubbers, Phenolics, Resins, Fiberglass, and Glass — speed — m/min (SFM) — Starting Conditions ◁▷

material group	grade	250 (800)	500 (1600)	750 (2400)	1000 (3200)	m/min	SFM
N5	KD1400/KD1405		◁▷			400	1300
	KD1425	◁▷				365	1200
	KC5410	◁▷				170	550

Carbon and Graphite Composites: Brush Alloys, Kevlar, and Graphite (280–400 HB) (30–43 HRC) — speed — m/min (SFM) — Starting Conditions ◁▷

material group	grade	250 (800)	500 (1600)	750 (2400)	1000 (3200)	m/min	SFM
N6	KD1400/KD1405			◁▷		760	2500
	KC5410	◁▷				200	650

MMCs (Aluminium-Based Metal Matrix Composites) — speed — m/min (SFM) — Starting Conditions ◁▷

material group	grade	250 (800)	500 (1600)	750 (2400)	1000 (3200)	m/min	SFM
N7	KD1405		◁▷			460	1500
	KD1400		◁▷			365	1200

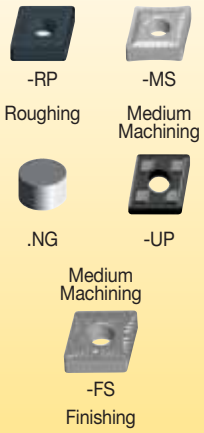
Tin Alloys, Cast: ASTM 823, Alloys 1, 2, 3, 11 — speed — m/min (SFM) — Starting Conditions ◁▷

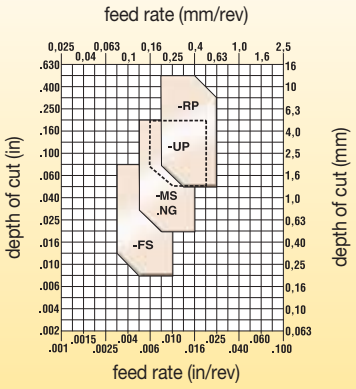
material group	grade	250 (800)	500 (1600)	750 (2400)	1000 (3200)	m/min	SFM
N8	KC5410	◁▷				215	700
	K313	◁▷				180	600

Step 1 • Select the insert geometry

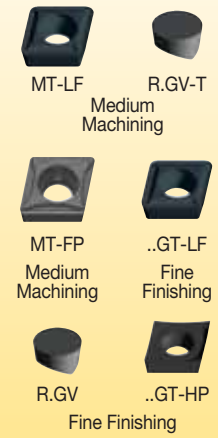
beyond DRIVE™

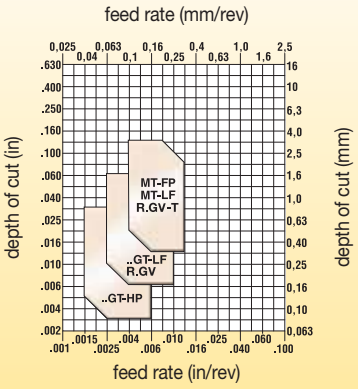
Negative Inserts





Positive Inserts





Step 2 • Select the grade

Negative Insert Geometry

cutting condition	-FS	.NG	-MS	-UP	-RP
heavily interrupted cut	KCU25	–	KCU25	KCM35B	KCM25B/ KCM35B
lightly interrupted cut	KCU10	KYS30/KY1540	KCU25	KCM25B	KCM15B
varying depth of cut, casting, or forging skin	KCU10	KYS30/KY1540/ KYS25/KY4300	KCU10	KCM15B	KCU25
smooth cut, pre-turned surface	KCU10/K313	KYS25/KY4300	KCU10/K313	KCU10	KCU10

Positive Insert Geometry

cutting condition	-FP	..GT-HP	MT-LF	R.GV-T	..GT-LF	R.GV
heavily interrupted cut	KCU25	–	KCU25	–	KCU25	–
lightly interrupted cut	KCU25	KCU25	KCU25	KYS30/ KY1540	KCU25	KYS30/KY1540
varying depth of cut, casting, or forging skin	KCU10/ KU10	KCU10	KCU10	KYS30/KY1540/ KYS25/KY4300	KCU10	KYS30/KY1540/ KYS25/KY4300
smooth cut, pre-turned surface	KCU10/ KU10	KCU10/K313	KCU10/K313	KYS25/ KY4300	KCU10/K313	KYS25/KY4300

Step 3 • Select the cutting speed

Iron-Based, Heat-Resistant Alloys (135–320 HB) (≤34 HRC) — speed — m/min (SFM) — Starting Conditions ◁▷

material group	grade	15 (50)	45 (150)	75 (250)	105 (350)	140 (450)	170 (550)	200 (650)	230 (750)	260 (850)	290 (950)	310 (1050)	350 (1150)	380 (1250)	m/min	SFM
S1	K313/KU10		◁▷												30	100
	KCU10			◁▷											55	180
	KCU25		◁▷												40	125
	KYS25/KY4300							◁▷							200	650
	KYS30/KY1540						◁▷								170	550
	KCM15B			◁▷											55	180
	KCM25B/KCM35B		◁▷												40	125

Cobalt-Based, Heat-Resistant Alloys (150–425 HB) (≤45 HRC) — speed — m/min (SFM) — Starting Conditions ◁▷

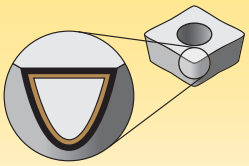
material group	grade	15 (50)	45 (150)	75 (250)	105 (350)	140 (450)	170 (550)	200 (650)	230 (750)	260 (850)	290 (950)	310 (1050)	350 (1150)	380 (1250)	m/min	SFM
S2	K313/KU10		◁▷												35	110
	KCU10			◁▷											60	195
	KCU25		◁▷												30	100
	KYS25/KY4300							◁▷							220	720
	KYS30/KY1540						◁▷								185	600
	KCM15B			◁▷											60	195
	KCM25B/KCM35B		◁▷												30	100

Nickel-Based, Heat-Resistant Alloys (140–475 HB) (≤48 HRC) — speed — m/min (SFM) — Starting Conditions ◁▷

material group	grade	15 (50)	45 (150)	75 (250)	105 (350)	140 (450)	170 (550)	200 (650)	230 (750)	260 (850)	290 (950)	310 (1050)	350 (1150)	380 (1250)	m/min	SFM
S3	K313/KU10		◁▷												40	125
	KCU10			◁▷											70	225
	KCU25		◁▷												40	125
	KYS25/KY4300								◁▷						250	820
	KYS30/KY1540							◁▷							215	700
	KCM15B			◁▷											70	225
	KCM25B/KCM35B		◁▷												40	125

Nickel-Based, Heat-Resistant Alloys (140–475 HB) (≤48 HRC) — speed — m/min (SFM) — Starting Conditions ◁▷

material group	grade	15 (50)	45 (150)	75 (250)	105 (350)	140 (450)	170 (550)	200 (650)	230 (750)	260 (850)	290 (950)	310 (1050)	350 (1150)	380 (1250)	m/min	SFM
S4	K313/KU10		◁▷												45	150
	KCU10			◁▷											70	225
	KCU25		◁▷												55	175
	KCM15B			◁▷											70	225
	KCM25B/KCM35B		◁▷												55	175

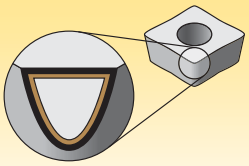


Coatings provide high-speed capability and are engineered for finishing to light roughing.

P	Steel
M	Stainless Steel
K	Cast Iron
N	Non-Ferrous
S	High-Temp Alloys
H	Hardened Materials

wear resistance ⟷ toughness

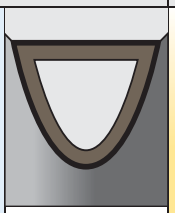
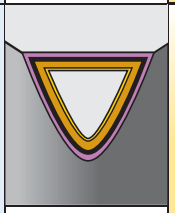
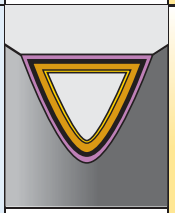
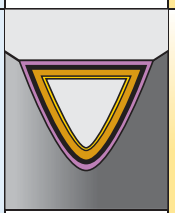
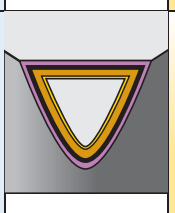
	Coating	Grade Description	05	10	15	20	25	30	35	40	45
Uncoated Carbide Grades	KU10 / C3	**Composition:** A hard, low binder content, WC/Co fine-grain grade. **Application:** The KU10 grade has excellent abrasion resistance for machining cast irons, austenitic stainless steels, non-ferrous metals, non-metals, and most high-temperature alloys. Use as a general-purpose grade for non-ferrous materials.	M, K, N, S	M, K, N, S	M, K, N, S	M, K, N, S					
	K313 / C3–C4	**Composition:** A hard, low binder content, unalloyed WC/Co fine-grain grade. **Application:** Exceptional edge wear resistance combined with very high strength for machining titanium, cast irons, austenitic stainless steels, non-ferrous metals, non-metals, and most high-temperature alloys. Superior thermal deformation and depth-of-cut notch resistance. The grain structure is well controlled for minimal pits and flaws, which contributes to long, reliable service.	M, K, N, S	M, K, N, S	M, K, N, S	M, K, N, S					
	K68 / C3	**Composition:** A hard, low binder content, alloyed grade WC/Co fine-grain grade. **Application:** The K68 grade has excellent abrasion resistance for machining cast irons, austenitic stainless steels, non-ferrous metals, non-metals, and as an alternative to the K313 grade on most high-temperature alloys. Use as a general-purpose grade for non-ferrous materials.	M, K, N, S	M, K, N, S	M, K, N, S	M, K, N, S					
PVD-Coated Carbide Grades	KCU10 / C3–C4	**Composition:** An advanced multilayer PVD coating over a very deformation-resistant unalloyed carbide substrate. The new and improved coating improves edge stability with wide range speed and feed capabilities. **Application:** The KCU10 grade is ideal for finishing to general machining of most workpiece materials at a wide range of speed and feed capabilities. Excellent for machining most steels, stainless steels, cast irons, non-ferrous materials, and super alloys with improved edge toughness and higher cutting speed/feed capability. beyond	P, M, K, N, S, H	P, M, K, N, S, H	P, M, K, N, S	P, M, K, N, S	P, M, K, N, S	P, M, K, N, S			
	KCU25 / C2, C6	**Composition:** An advanced PVD grade with hard AlTiN coating and fine-grain unalloyed substrate. The new and improved coating improves edge stability with wide range speed and feed capabilities. **Application:** The KCU25 grade is ideal for general machining of most steels, stainless steels, high-temp alloys, titanium, irons, and non-ferrous materials in a wide range of speeds and feeds with improved edge toughness for interrupted cut and high feed rates. beyond	P, M, K, N, S	P, M, K, N, S	P, M, K, N, S	P, M, K, N, S	P, M, K, N, S	P, M, K, N, S			

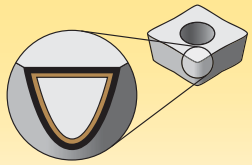


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H	Hardened Materials

wear resistance ⟷ toughness

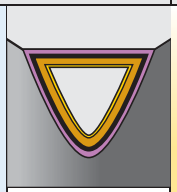
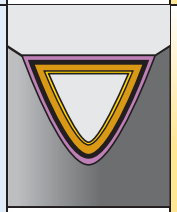
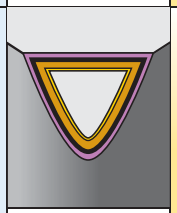
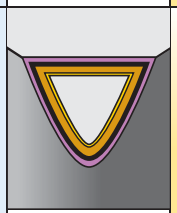
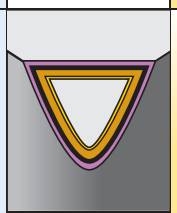
	Coating	Grade Description	05	10	15	20	25	30	35	40	45
PVD-Coated Carbide Grades	KC5410  C3–C4	**Composition:** A PVD TiB_2 coating over a very deformation-resistant unalloyed substrate. **Application:** Designed for roughing, semi-finishing, and finishing of free machining (hypoeutectic <12,2% Si) aluminium, aluminium alloys, and magnesium alloys. The TiB_2 coating is harder than TiN and TiAlN coatings and has an extremely smooth surface, resulting in reduced surface friction, speedy chip flow, and outstanding wear resistance. Built-up edge is prevented because this coating has a very low affinity for aluminium. The substrate is unalloyed and fine grained and offers sharp edges, smooth surfaces, and excellent thermal deformation resistance and edge integrity. Inserts with a ground periphery are polished before coating and have a sharp edge. Moulded inserts have a light hone.									
CVD-Coated Carbide Grades	KCP05B  C3–C4	**Composition:** An innovative, highly deformation-resistant, cobalt-enriched substrate with a specially designed, adherent MTCVD-TiCN-Al_2O_3-TiOCN coating. **Application:** For finishing to semi-finishing of most steels, ferritic, martensitic, and PH stainless steels and cast irons. Provides excellent combination of deformation resistance and insert edge strength. The new coating combined with a state-of-the-art post-coat treatment provides high-productivity with long predictable tool life and superior workpiece surface finish. beyond DRIVE									
	KCP10B  C3, C7	**Composition:** A specially engineered cobalt-enriched carbide grade with thick MTCVD-TiCN-Al_2O_3-TiOCN coating for maximum wear resistance. **Application:** An excellent finishing to medium machining grade for a variety of workpiece materials, including most steels, ferritic, martensitic, and PH stainless steels, and cast irons. The cobalt-enriched substrate offers a balanced combination of deformation resistance and edge toughness, while the thick coating layers offer outstanding abrasion resistance and crater wear resistance for high-speed machining. Smooth coating provides resistance to edge build-up and microchipping and produces excellent surface finishes. beyond DRIVE									
	KCP25B  C2-C3, C6-C7	**Composition:** A tough cobalt-enriched carbide grade with a newly designed multilayer MTCVD-TiCN-Al_2O_3-TiOCN coating with superior interlayer adhesion. **Application:** Best general-purpose turning grade for most steels and ferritic and martensitic stainless steels. The substrate design ensures adequate deformation resistance with excellent insert edge strength. Coating layers offer good wear resistance over a wide range of machining conditions and the post-coat treatment minimises microchipping and improves coating adhesion to substrate leading to long tool life and improved workpiece finishes. beyond DRIVE									
	KCP30B  C5–C6	**Composition:** A newly engineered, tough cobalt-enriched carbide grade with an advanced multilayer TiN-MT-TiCN-Al_2O_3-TiOCN coating. **Application:** For medium to rough machining of all carbon, alloy, and stainless steels. The substrate design provides superior insert strength that is required for this application, and the multilayer coating adds wear resistance to the insert resulting in long tool life. beyond DRIVE									

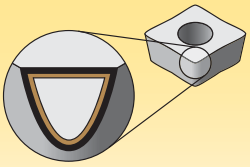


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H	Hardened Materials

wear resistance ⟷ toughness

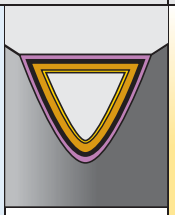
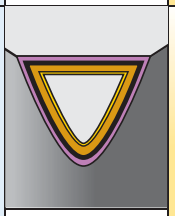
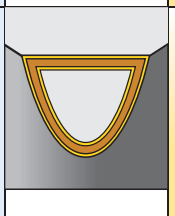
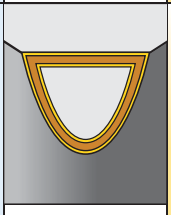
	Coating	Grade	Grade Description	05	10	15	20	25	30	35	40	45
CVD-Coated Carbide Grades	 C5–C6	KCP40B	**Composition:** A tough carbide grade with a moderately thick TiN-MT-TiCN-Al_2O_3 coating. **Application:** For heavy roughing of carbon, alloy, and stainless steels. The substrate-coating combination provides unbelievable toughness and operational security allowing high metal removal rates even in most demanding interrupted cuts. beyond DRIVE									
CVD-Coated Carbide Grades	 C3–C4	KCK05B	**Composition:** A multilayered coating with moderately thick MTCVD TiCN-Al_2O_3-TiOCN layers over a highly deformation-resistant carbide substrate. **Application:** Designed for high-speed machining of grey and ductile irons. The substrate and coating architecture together with CW5 post-coat treatment ensure a tremendous tool life advantage, especially when cutting higher tensile strength ductile and gray irons where workpiece size consistency and reliability of tool life are critical. Excellent both in straight and varied depths of cut. beyond DRIVE									
CVD-Coated Carbide Grades	 C3, C4	KCK15B	**Composition:** A multilayered coating with thick MTCVD TiCN-Al_2O_3-TiOCN layers applied over a carbide substrate specifically engineered for cast irons. **Application:** Delivers consistent performance in high-speed machining of grey and ductile irons. The substrate design permits the insert to stay in the cut for a long time at high speeds with minimum deformation. The thick CVD coating and post-coat treatment provide superior wear resistance ensuring long and consistent tool life. Can be applied both in straight and lightly interrupted cuts. beyond DRIVE									
CVD-Coated Carbide Grades	 C2–C3	KCK20B	**Composition:** A specially toughened MTCVD-TICN-Al_2O_3-TiOCN coating over a wear-resistant substrate. **Application:** The KCK20 grade is specifically engineered to maximise coating adhesion and edge strength making this grade ideal in wet interrupted cutting of grey and ductile irons. It can be used in a wide range of applications from finishing to roughing to maximise productivity wherever strength and reliability are needed. beyond DRIVE									
CVD-Coated Carbide Grades	 C2–C3	KCM15B	**Composition:** A multilayer MTCVD-TiCN-Al_2O_3 coated carbide grade. **Application:** An excellent finishing to medium machining grade for austenitic stainless steels at higher speeds and covers a broad range of steel applications in the P20–25 range. KCM15 grade in combination with unique geometries have been designed to resist depth-of-cut notching and minimise burr formation. The post-coat treatment reduces coating stresses, improves coating adhesion, minimises microchipping and edge build-up, and improves workpiece finish. beyond DRIVE									

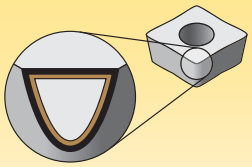


Coatings provide high-speed capability and are engineered for finishing to light roughing.

P	Steel
M	Stainless Steel
K	Cast Iron
N	Non-Ferrous
S	High-Temp Alloys
H	Hardened Materials

wear resistance ⟷ toughness

	Coating	Grade Description	05	10	15	20	25	30	35	40	45
CVD-Coated Carbide Grades	KCM25B  C1–C2	**Composition:** A multilayer MTCVD-TiCN-AlAl$_2$0$_3$-TiOCN coated carbide grade. **Application:** An excellent finishing to medium machining grade for austenitic stainless steels at higher speeds and covers a broad range of steel applications in the P20–25 range. KCM15 grade in combination with unique geometries have been designed to resist depth-of-cut notching and minimise burr formation. The post-coat treatment reduces coating stresses, improves coating adhesion, minimises microchipping and edge build-up, and improves workpiece finish. beyond DRIVE	P									
	KCM35B  C1–C2	**Composition:** A multilayer TiN-MT-TiCN-Al$_2$0$_3$-TiOCN CVD coating over a super-tough substrate. **Application**: The KCM35 grade is engineered to take on the most brutal cast stainless steel machining applications. The substrate withstands heavy interruptions, while the coating provides the wear resistance needed for long tool life. The polished surface resists edge build-up, even at slow cutting speeds. KCM35 grade is available in insert sizes and geometries appropriate for heavy feeds and large depths of cut. beyond DRIVE	P									
PVD-Coated Cermet Grades	KT315  C3, C7	**Composition:** A multilayer PVD-TiN/TiCN/TiN-coated cermet turning grade. **Application:** Ideal for high-speed finishing to medium machining of most carbon and alloy steels and stainless steels. Performs very well in cast and ductile iron applications, too. Provides long and consistent tool life and will produce excellent workpiece finishes.	P								
	KTP10  C3, C7	**Composition:** A multilayer, PVD-TiN/TiCN/TiN-coated cermet turning grade. **Application:** Ideal for high-speed finishing to medium machining of most carbon and alloy steels and stainless steels. Performs very well in cast and ductile iron applications, too. Provides long and consistent tool life and will produce excellent workpiece finishes.	P								

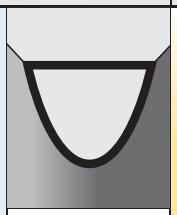
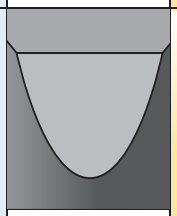
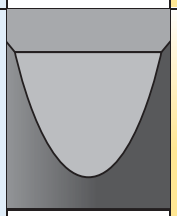
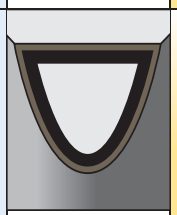
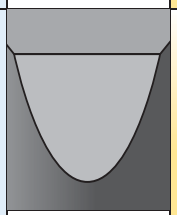


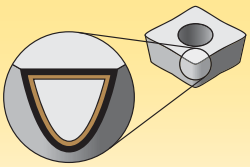
Coatings provide high-speed capability and are engineered for finishing to light roughing.

P	Steel
M	Stainless Steel
K	Cast Iron
N	Non-Ferrous
S	High-Temp Alloys
H	Hardened Materials

wear resistance ⟷ toughness

Ceramic Grades

Coating	Grade	Grade Description	05	10	15	20	25	30	35	40	45
 C4	KYS25	**Composition:** SiAlON ceramic with a multilayered alumina-TiCN CVD coating. **Application:** Compliments the KYS30 grade when machining high-temp and nickel-based alloys and cast materials with high Brinell hardness. This advanced CVD coating provides excellent chemical and depth-of-cut notch resistance compared to whisker ceramics. beyond									
 C4	KYS30	**Composition:** Latest and most advanced SiAlON material developed. **Application:** Combines excellent wear properties, fracture toughness, and thermal shock resistance for general-purpose to finish machining of high-temp alloys. Provides superior depth-of-cut notch resistance compared to whisker ceramics. beyond									
 –	KYK10	**Composition:** An advanced SiAlON ceramic grade. **Application:** Provides maximum wear resistance. Use for high-speed continuous turning of grey cast iron, including through scale. beyond									
 C3	KYK25	**Composition:** Pure silicon nitride ceramic with an alumina CVD coating. **Application:** Excellent combination of toughness and edge wear resistance. Used for general-purpose machining of grey, ductile, or nodular cast irons. beyond									
 C4	KY4300	**Composition:** Whisker ceramic with a matrix of Al_2O_3 + SiCW. **Application:** The SiC whiskers embedded in the micro structure give this ceramic excellent toughness for cutting high-temp alloys and cast materials with high Brinell hardness.									

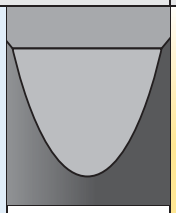
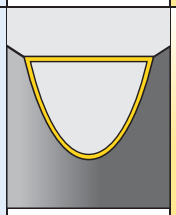


Coatings provide high-speed capability and are engineered for finishing to light roughing.

P	Steel
M	Stainless Steel
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S	High-Temp Alloys
H	Hardened Materials

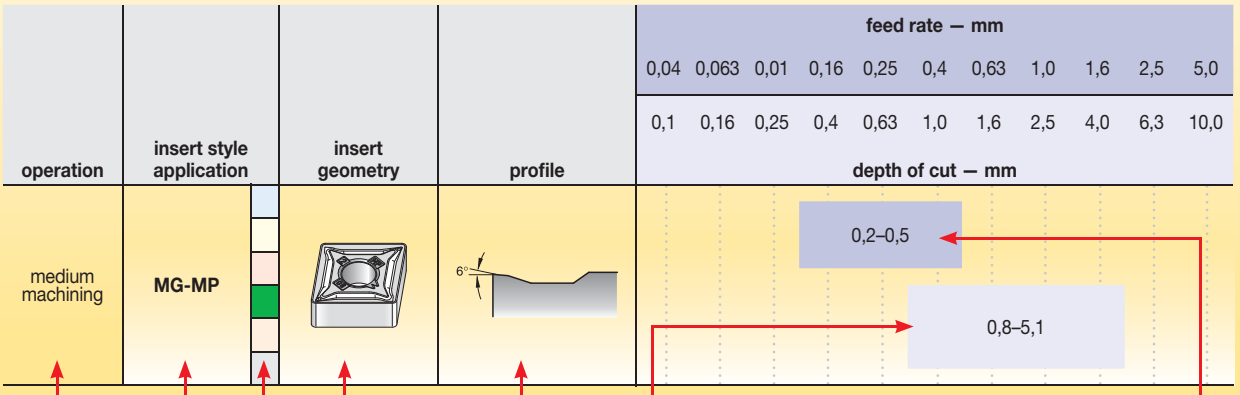
wear resistance ⟷ toughness

Ceramic Grades

Coating	Grade Description	05	10	15	20	25	30	35	40	45
KY3500  C2	**Composition:** Pure silicon nitride grade. **Application:** Maximum toughness. Used at high-feed rates for rough machining of grey cast iron, including machining through interruptions. beyond DRIVE™									
KY4400  C4, C8	**Composition:** A PVD TiN coating over an aluminium oxide and titanium carbonitride composite ceramic (Al_2O_3/TiCN). **Application:** Used for finish turning of hardened steels and irons (greater than 45 HRC). Where possible, use under dry conditions in smooth or varied depths of cut. Can also be applied in finish turning of nickel alloys, cobalt alloys, and powder metals.									

Select the geometry — based on feed rate and depth of cut

P	Steel
M	Stainless Steel
K	Cast Iron
N	Non-Ferrous
S	High-Temp Alloys
H	Hardened Materials



Feed Rate Range —
for best results, use the center 60% of the range

Depth-of-Cut Range —
for all inserts in the program, select smaller inserts for lighter cuts and larger inserts for heavy cuts

Pictorial View of Insert

Chipbreaker Geometry —
section is through nose radius of insert

Primary Workpiece Material Group

P	Steel
M	Stainless Steel
K	Cast Iron
N	Non-Ferrous
S	High-Temp Alloys
H	Hardened Materials

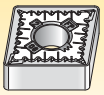
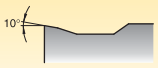
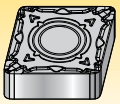
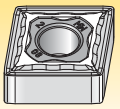
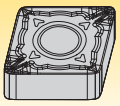
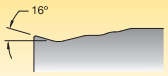
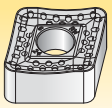
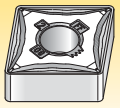
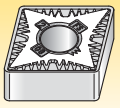
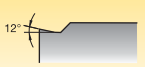
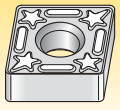
Chip Control Geometry Designation —
example: MG-MP = CNMG-432MP

Machining Operation —
for what the insert geometry is designed

NOTE: For detailed grade and geometry recommendations, reference the Kennametal Beyond™ Selection System in the Innovations Master Catalogue Cutting Tools 2013, pages B8–B23.

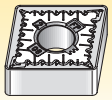
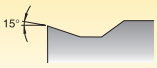
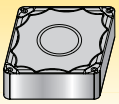
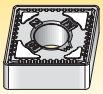
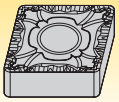
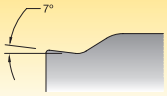
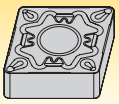
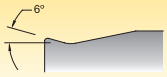
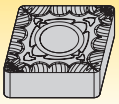
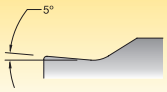
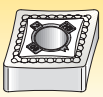
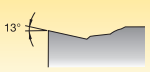
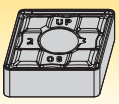
Select the geometry — based on feed rate and depth of cut

P	Steel
M	Stainless Steel
K	Cast Iron
N	Non-Ferrous
S	High-Temp Alloys
H	Hardened Materials

operation	insert style application	insert geometry	profile	feed rate — mm: 0,04 / 0,063 / 0,01 / 0,16 / 0,25 / 0,4 / 0,63 / 1,0 / 1,6 / 2,5 / 5,0 — depth of cut — mm: 0,1 / 0,16 / 0,25 / 0,4 / 0,63 / 1,0 / 1,6 / 2,5 / 4,0 / 6,3 / 10,0
wiper finishing	**MG-FP**			0,2–0,4 0,3–2,0
	MG-FW1			0,1–1,5 0,1–1,5
wiper medium machining	**MG-MW**			0,3–0,6 0,8–5,1
	MG-MW1			0,15–0,5 0,5–3
wiper roughing	**MM-RW**			0,3–1,3 1,3–12,7
fine finishing	**MG-FF**			0,1–0,3 0,1–2,0
finishing sharp	**GG-FS** precision ground			0,07–0,25 0,20–2,0
finishing	**GG-LF** precision ground			0,1–0,5 0,5–3,0

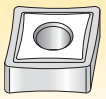
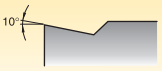
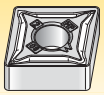
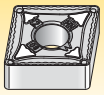
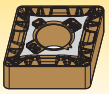
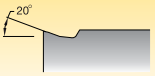
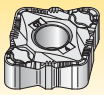
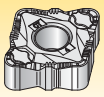
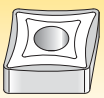
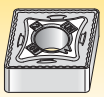
Select the geometry – based on feed rate and depth of cut

P	Steel
M	Stainless Steel
K	Cast Iron
N	Non-Ferrous
S	High-Temp Alloys
H	Hardened Materials

operation	insert style application	insert geometry	profile	feed rate – mm: 0,04 / 0,063 / 0,01 / 0,16 / 0,25 / 0,4 / 0,63 / 1,0 / 1,6 / 2,5 / 5,0 depth of cut – mm: 0,1 / 0,16 / 0,25 / 0,4 / 0,63 / 1,0 / 1,6 / 2,5 / 4,0 / 6,3 / 10,0
finishing	MG-FP			0,1–0,3 0,3–2,5
	MG-FH			0,05–0,25 0,25–1
	MG-FN			0,1–0,3 0,3–2,5
	MG-FX			0,07–0,22 0,2–1
	MP-K			0,1–0,3 0,2–2,5
medium machining	MG-MH			0,15–0,5 0,3–2
	MG-MX			0,15–0,35 0,5–1,5
medium sharp	MG-MS			0,12–0,35 0,76–5,0
medium machining	MG-UP			0,2–0,6 1–6,4

Select the geometry — based on feed rate and depth of cut

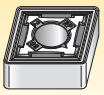
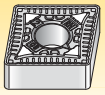
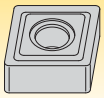
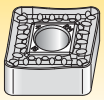
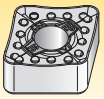
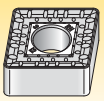
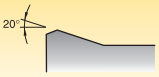
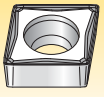
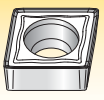
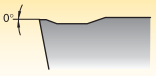
P	Steel
M	Stainless Steel
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S	High-Temp Alloys
H	Hardened Materials

operation	insert style application	insert geometry	profile	feed rate — mm: 0,04 / 0,063 / 0,01 / 0,16 / 0,25 / 0,4 / 0,63 / 1,0 / 1,6 / 2,5 / 5,0 — depth of cut — mm: 0,1 / 0,16 / 0,25 / 0,4 / 0,63 / 1,0 / 1,6 / 2,5 / 4,0 / 6,3 / 10,0
medium machining	_GP*			0,1–0,35; 0,5–3,2
	MG-MP			0,2–0,5; 0,8–5,1
	MG-P			0,15–0,5; 0,75–5,0
	MG-MN			0,2–0,5; 0,5–5,1
	MG-MR			0,15–0,55; 1.5–6.3
	MG-CT O.D. turning			0,13–0,5; 1,0–3,0
	MG-CT outward facing			0,25–0,5; 0,25–1,0
	-MS single sided			0,2–0,4; 0,6–2,3
	MG-UN			0,2–0,5; 0,8–3,8

*35˚ and 55˚ geometries are single sided.

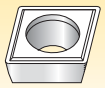
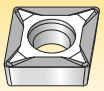
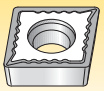
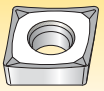
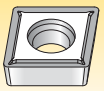
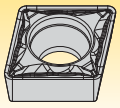
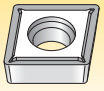
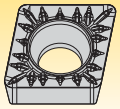
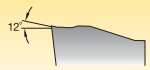
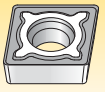
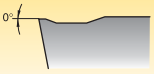
Select the geometry – based on feed rate and depth of cut

P	Steel
M	Stainless Steel
K	Cast Iron
N	Non-Ferrous
S	High-Temp Alloys
H	Hardened Materials

operation	insert style application	insert geometry	profile	feed rate – mm: 0,04 / 0,063 / 0,01 / 0,16 / 0,25 / 0,4 / 0,63 / 1,0 / 1,6 / 2,5 / 5,0 — depth of cut – mm: 0,1 / 0,16 / 0,25 / 0,4 / 0,63 / 1,0 / 1,6 / 2,5 / 4,0 / 6,3 / 10,0
roughing	**MG-RP**			0,2–0,6 1,1–6,4
heavy roughing	**MG-RN**			0,3–0,63 1,1–5,7
	MG			0,3–0,8 1,1–5,7
	MM-RN single sided			0,3–1,0 1,3–12,7
	MM-RP			0,2–1,0 1,3–10,0
	MM-RH single sided			0,4–1,3 1,3–12,7
wiper finishing	**MT-FW**			0,1–0,3 0,2–1,5
wiper, medium finishing	**MT-MW**			0,1–0,5 0,4–3,3

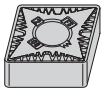
Select the geometry — based on feed rate and depth of cut

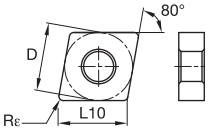
P	Steel
M	Stainless Steel
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S	High-Temp Alloys
H	Hardened Materials

operation	insert style application	insert geometry	profile	feed rate — mm: 0,04 / 0,063 / 0,01 / 0,16 / 0,25 / 0,4 / 0,63 / 1,0 / 1,6 / 2,5 / 5,0 depth of cut — mm: 0,1 / 0,16 / 0,25 / 0,4 / 0,63 / 1,0 / 1,6 / 2,5 / 4,0 / 6,3 / 10,0
fine finishing	_GM precision ground			0,1–0,2 0,2–1,0
	MT-11			0,1–0,3 0,2–1,3
	.MT-UF			0,1–0,3 0,1–1,3
finishing	GT-HP precision ground			0,2–0,4 0,6–2,3
	GT-LF precision ground			0,2–0,4 0,8–2,3
	MT-FP			0,063–0,25 0,16–1,6
	MT-LF			0,2–0,4 0,8–2,3
medium machining	MT-MP			0,01–0,4 0,4–2,3
	MT-MF			0,2–0,4 1,1–2,3

beyond DRIVE™

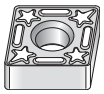
● first choice
○ alternate choice

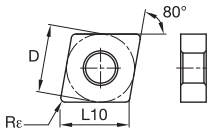




CNGG-FS

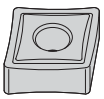
ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
CNGG120401FS	12,70	12,90	0,1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–
CNGG120402FS	12,70	12,90	0,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	–	–	–
CNGG120404FS	12,70	12,90	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	–	–	–
CNGG120408FS	12,70	12,90	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	–	–	–
CNGG120412FS	12,70	12,90	1,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–

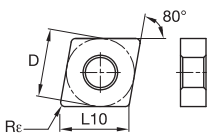




CNGG-LF

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
CNGG120401LF	12,70	12,90	0,1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–
CNGG120402LF	12,70	12,90	0,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–
CNGG120404LF	12,70	12,90	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–
CNGG120408LF	12,70	12,90	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–
CNGG120412LF	12,70	12,90	1,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–
CNGG160608LF	15,88	16,12	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–
CNGG160612LF	15,88	16,12	1,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–





CNGP

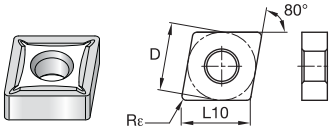
ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
CNGP120401	12,70	12,90	0,1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	●	–	–
CNGP120402	12,70	12,90	0,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	●	–	–
CNGP120404	12,70	12,90	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	–	●	–	●	–	–
CNGP120408	12,70	12,90	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	–	●	–	●	–	–
CNGP120412	12,70	12,90	1,2	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	●	–	●	–	–
CNGP120416	12,70	12,90	1,6	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–

Indexable Inserts for P-clamping.

beyond DRIVE™

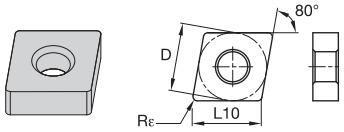
● first choice
○ alternate choice

		KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
P		●	●	●	●	●							●								●	●
M										●	●	●										
K							●	●	●													
N																				●		
S														●	●	●	●	●	●			
H																						



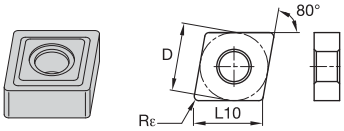
CNGP-K

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
CNGP160612K	15,88	16,12	1,2	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–



CNMA

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
CNMA120404	12,70	12,90	0,4	–	–	–	–	–	●	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–
CNMA120408	12,70	12,90	0,8	–	–	–	–	–	●	●	●	–	–	–	–	–	–	●	–	–	–	–	–	–
CNMA120412	12,70	12,90	1,2	–	–	–	–	–	●	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–
CNMA120416	12,70	12,90	1,6	–	–	–	–	–	●	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–
CNMA160612	15,88	16,12	1,2	–	–	–	–	–	●	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–
CNMA160616	15,88	16,12	1,6	–	–	–	–	–	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–
CNMA190608	19,05	19,34	0,8	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–
CNMA190612	19,05	19,34	1,2	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–
CNMA190616	19,05	19,34	1,6	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–
CNMA250924	25,40	25,79	2,4	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–



CNMG

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
CNMG120404B	12,70	12,90	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–
CNMG120408	12,70	12,90	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	–	–	–	–	–	–
CNMG120412	12,70	12,90	1,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–
CNMG190612	19,05	19,34	1,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	●	–	–	–	–

* For more information, please see the Innovations Master Catalogue Cutting Tools 2013.


C2–C71


C72–C109


C110–C115


C116–C147

beyond
B10–B23

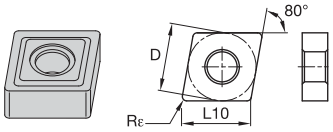

B24–B31


B32–B37

beyond DRIVE™

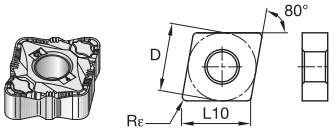
● first choice
○ alternate choice

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P		●	●	●	●	●							●								●	●
M										●	●	●										
K							●	●	●													
N																				●		
S														●	●	●	●	●	●			
H																						



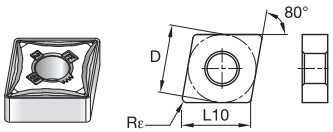
CNMG-33

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
CNMG12040833	12,70	12,90	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–



CNMG-CT

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
CNMG120408CT	12,70	12,90	0,8	–	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–
CNMG120412CT	12,70	12,90	1,2	–	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
CNMG120416CT	12,70	12,90	1,6	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

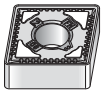


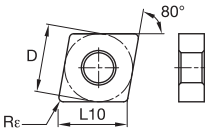
CNMG-FF

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
CNMG090304FF	9,53	9,67	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–
CNMG090308FF	9,53	9,67	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–
CNMG120404FF	12,70	12,90	0,4	–	●	●	–	–	–	–	–	●	–	–	–	–	–	–	–	●	–	–	●	–
CNMG120408FF	12,70	12,90	0,8	–	●	●	–	–	–	–	–	●	–	–	–	–	–	–	–	●	–	–	●	–

beyond DRIVE™

● first choice
○ alternate choice



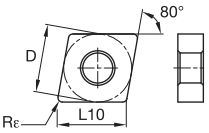


CNMG-FN

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
CNMG090304FN	9,53	9,67	0,4	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	●	–
CNMG120402FN	12,70	12,90	0,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	●	–
CNMG120404FN	12,70	12,90	0,4	–	●	●	–	–	●	●	–	–	–	–	–	–	–	–	–	–	–	–	●	–
CNMG120408FN	12,70	12,90	0,8	–	●	●	–	–	●	●	–	–	–	–	–	–	–	–	–	–	–	–	●	–
CNMG120412FN	12,70	12,90	1,2	–	●	●	–	–	●	●	–	–	–	–	–	–	–	–	–	–	–	–	●	–

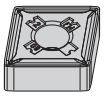
Indexable Inserts for P-clamping.

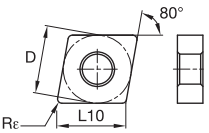




CNMG-FP

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
CNMG120404FP	12,70	12,90	0,4	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	●	–
CNMG120408FP	12,70	12,90	0,8	–	●	●	–	–	–	–	–	●	–	–	–	–	–	–	–	●	–	–	●	–
CNMG120412FP	12,70	12,90	1,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–





CNMG-FW

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
CNMG120404FW	12,70	12,90	0,4	–	●	–	–	–	–	●	–	–	–	–	–	–	–	–	–	●	–	–	●	–
CNMG120408FW	12,70	12,90	0,8	●	●	–	–	–	–	●	–	●	–	–	–	–	–	–	–	●	–	–	●	–
CNMG120412FW	12,70	12,90	1,2	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	●	–

* For more information, please see the Innovations Master Catalogue Cutting Tools 2013.


C2–C71


C72–C109

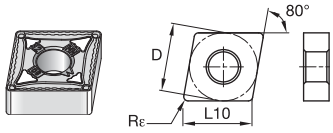

C110–C115


C116–C147

beyond
B10–B23


B24–B31


B32–B37



● first choice
○ alternate choice

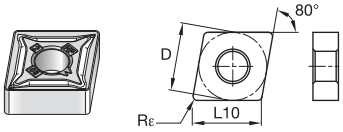
beyond DRIVE™

CNMG-MN

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
P				●	●	●	●	●							●								●	●
M												●	●	●										
K									●	●	●													
N																						●		
S																●	●	●	●	●	●			
H																								
CNMG090304MN	9,53	9,67	0,4	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
CNMG090308MN	9,53	9,67	0,8	–	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
CNMG090312MN	9,53	9,67	1,2	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
CNMG120404MN	12,70	12,90	0,4	–	●	●	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
CNMG120408MN	12,70	12,90	0,8	●	●	●	●	●	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–
CNMG120412MN	12,70	12,90	1,2	–	●	●	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
CNMG120416MN	12,70	12,90	1,6	–	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
CNMG160608MN	15,88	16,12	0,8	–	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
CNMG160612MN	15,88	16,12	1,2	–	●	●	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
CNMG160616MN	15,88	16,12	1,6	–	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
CNMG190608MN	19,05	19,34	0,8	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
CNMG190612MN	19,05	19,34	1,2	–	●	●	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
CNMG190616MN	19,05	19,34	1,6	–	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
CNMG190624MN	19,05	19,34	2,4	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

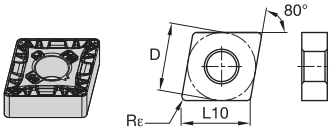
beyond DRIVE™

● first choice
○ alternate choice



CNMG-MP

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
P				●	●	●	●	●							●								●	●
M												●	●	●										
K									●	●	●													
N																						●		
S																●	●	●	●	●	●			
H																								
CNMG090308MP	9,53	9,67	0,8	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	●	–	–	–	–
CNMG120404MP	12,70	12,90	0,4	–	–	–	–	–	–	–	–	●	●	●	–	–	–	–	●	–	–	–	–
CNMG120408MP	12,70	12,90	0,8	–	–	●	–	–	–	–	–	●	●	●	–	–	–	–	●	●	–	–	–
CNMG120412MP	12,70	12,90	1,2	–	–	–	–	–	–	–	–	●	●	–	–	–	–	–	●	●	–	–	–
CNMG120416MP	12,70	12,90	1,6	–	–	–	–	–	–	–	–	●	●	–	–	–	–	–	●	–	–	–	–
CNMG160608MP	15,88	16,12	0,8	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	●	–	–	–	–
CNMG160612MP	15,88	16,12	1,2	–	–	–	–	–	–	–	–	●	●	–	–	–	–	–	●	●	–	–	–
CNMG160616MP	15,88	16,12	1,6	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	●	–	–	–	–
CNMG190608MP	19,05	19,34	0,8	–	–	–	–	–	–	–	–	●	●	–	–	–	–	–	●	–	–	–	–
CNMG190612MP	19,05	19,34	1,2	–	–	–	–	–	–	–	–	●	●	●	–	–	–	–	●	●	–	–	–
CNMG190616MP	19,05	19,34	1,6	–	–	–	–	–	–	–	–	●	●	–	–	–	–	–	●	–	–	–	–

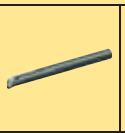


CNMG-MR

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
CNMG120408MR	12,70	12,90	0,8	–	●	●	●	–	–	●	–	●	●	–	●	–	–	–	–	●	–	–	–	–
CNMG120412MR	12,70	12,90	1,2	–	●	●	●	–	–	●	–	●	●	–	●	–	–	–	–	●	–	–	–	–
CNMG120416MR	12,70	12,90	1,6	–	●	●	–	–	–	●	–	–	●	–	●	–	–	–	–	●	–	–	–	–
CNMG160608MR	15,88	16,12	0,8	–	●	●	–	–	–	–	–	●	–	–	–	–	–	–	–	●	–	–	–	–
CNMG160612MR	15,88	16,12	1,2	–	●	●	●	–	–	●	–	●	●	–	–	–	–	–	–	●	–	–	–	–
CNMG160616MR	15,88	16,12	1,6	–	●	●	–	–	–	●	–	–	●	–	–	–	–	–	–	–	–	–	–	–
CNMG190612MR	19,05	19,34	1,2	–	●	●	●	–	–	●	–	●	●	–	–	–	–	–	–	–	–	–	–	–
CNMG190616MR	19,05	19,34	1,6	–	●	●	–	–	–	–	–	●	●	–	–	–	–	–	–	–	–	–	–	–

* For more information, please see the Innovations Master Catalogue Cutting Tools 2013.


C2–C71


C72–C109


C110–C115


C116–C147

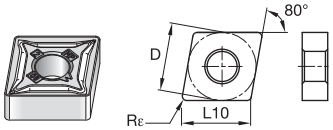
beyond
B10–B23


B24–B31


B32–B37

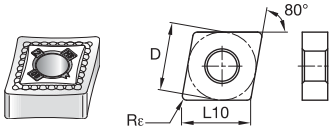
beyond DRIVE™

● first choice
○ alternate choice



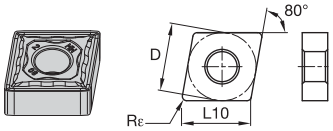
CNMG-MP1

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
P				●	●	●	●	●							●								●	●
M												●	●	●										
K									●	●	●													
N																						●		
S																●	●	●	●	●	●			
H																								
CNMG120404MP1	12,70	12,90	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–
CNMG120408MP1	12,70	12,90	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–
CNMG120412MP1	12,70	12,90	1,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–
CNMG160612MP1	15,88	16,12	1,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–



CNMG-MS

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
CNMG120401MS	12,70	12,90	0,1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	–	–	–
CNMG120402MS	12,70	12,90	0,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	–	–	–
CNMG120404MS	12,70	12,90	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	●	●	–	–	–
CNMG120408MS	12,70	12,90	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	●	●	–	–	–
CNMG120412MS	12,70	12,90	1,2	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	●	●	–	–	–
CNMG120416MS	12,70	12,90	1,6	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	–	–	–
CNMG160608MS	15,88	16,12	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	–	–	–
CNMG160612MS	15,88	16,12	1,2	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	●	●	–	–	–
CNMG190608MS	19,05	19,34	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	–	–	–
CNMG190612MS	19,05	19,34	1,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	–	–	–
CNMG190616MS	19,05	19,34	1,6	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	–	–	–



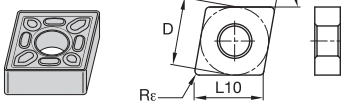
CNMG-MW

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
CNMG120408MW	12,70	12,90	0,8	–	●	●	–	–	–	●	–	●	●	–	–	–	–	–	–	–	–	–	–	–
CNMG120412MW	12,70	12,90	1,2	●	●	●	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–

Indexable Inserts for P-clamping.

beyond DRIVE™

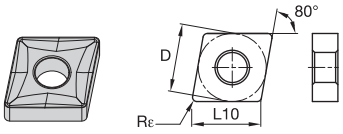
● first choice
○ alternate choice



CNMG-P

P	●	●	●	●	●							●							●	●
M									●	●	●									
K						●	●	●												
N																		●		
S													●	●	●	●	●	●		
H																				

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
CNMG120404P	12,70	12,90	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–
CNMG120408P	12,70	12,90	0,8	–	–	–	–	–	–	–	–	●	–	–	–	–	●	–	–	●	–	–	–	–
CNMG120412P	12,70	12,90	1,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–
CNMG120416P	12,70	12,90	1,6	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–
CNMG543P	15,88	16,12	1,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–
CNMG190612P	19,05	19,34	1,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–



CNMG-RM

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
CNMG190616RM	19,05	19,34	1,6	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–
CNMG250924RM	25,40	25,79	2,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–

* For more information, please see the Innovations Master Catalogue Cutting Tools 2013.


C2–C71


C72–C109


C110–C115


C116–C147

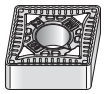
beyond
B10–B23

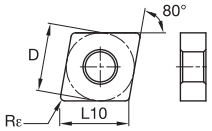

B24–B31


B32–B37

beyond DRIVE™

● first choice
○ alternate choice

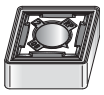


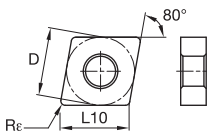


CNMG-RN

	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
P	●	●	●	●	●							●								●	●
M									●	●	●										
K						●	●	●													
N																			●		
S													●	●	●	●	●	●			
H																					

ISO catalogue number	D	L10	Rε																			
CNMG120408RN	12,70	12,90	0,8	●	●	●	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–
CNMG120412RN	12,70	12,90	1,2	–	●	●	●	●	–	–	–	–	–	–	●	–	–	–	–	–	–	–
CNMG120416RN	12,70	12,90	1,6	–	●	●	●	●	–	–	–	–	–	–	●	–	–	–	–	–	–	–
CNMG160608RN	15,88	16,12	0,8	–	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
CNMG160612RN	15,88	16,12	1,2	–	●	●	●	●	–	–	–	–	–	–	●	–	–	–	–	–	–	–
CNMG160616RN	15,88	16,12	1,6	–	●	●	–	●	–	–	–	–	–	–	●	–	–	–	–	–	–	–
CNMG190608RN	19,05	19,34	0,8	–	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
CNMG190612RN	19,05	19,34	1,2	–	●	●	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–
CNMG190616RN	19,05	19,34	1,6	–	●	●	●	●	–	–	–	–	–	–	●	–	–	–	–	–	–	–
CNMG190624RN	19,05	19,34	2,4	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–



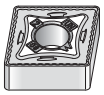


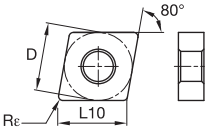
CNMG-RP

	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
P	●	●	●	●	●	●	●	●	●	●	●	–	–	–	–	–	●	●	–	–	–
M																					
K																					
N																					
S																					
H																					

ISO catalogue number	D	L10	Rε																			
CNMG120404RP	12,70	12,90	0,4	–	–	●	–	–	–	–	●	●	●	–	–	–	–	–	●	●	–	–	–
CNMG120408RP	12,70	12,90	0,8	●	●	●	●	–	●	●	●	●	●	●	●	–	–	–	●	●	–	–	–
CNMG120412RP	12,70	12,90	1,2	●	●	●	●	●	●	●	●	●	●	–	–	–	–	–	●	●	–	–	–
CNMG120416RP	12,70	12,90	1,6	–	●	●	–	–	–	–	●	–	●	●	–	–	–	–	●	●	–	–	–
CNMG160608RP	15,88	16,12	0,8	–	–	●	–	–	–	–	–	●	–	–	–	–	–	–	●	●	–	–	–
CNMG160612RP	15,88	16,12	1,2	–	●	●	–	●	–	–	●	●	●	●	●	–	–	–	●	●	–	–	–
CNMG160616RP	15,88	16,12	1,6	–	●	●	–	–	–	–	●	–	●	–	●	–	–	–	●	●	–	–	–
CNMG190612RP	19,05	19,34	1,2	–	●	●	–	●	–	●	●	●	●	–	–	–	–	–	●	●	–	–	–
CNMG190616RP	19,05	19,34	1,6	–	–	●	–	–	–	–	●	●	●	–	●	–	–	–	●	●	–	–	–

beyond DRIVE™





● first choice
○ alternate choice

		KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
P		●	●	●	●	●							●								●	●
M										●	●	●										
K							●	●	●													
N																				●		
S														●	●	●	●	●	●			
H																						

CNMG-UN

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
CNMG120404UN	12,70	12,90	0,4	–	–	–	–	–	●	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–
CNMG120408UN	12,70	12,90	0,8	–	–	–	–	–	●	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–
CNMG120412UN	12,70	12,90	1,2	–	–	–	–	–	●	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–
CNMG120416UN	12,70	12,90	1,6	–	–	–	–	–	●	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–
CNMG160608UN	15,88	16,12	0,8	–	–	–	–	–	–	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–
CNMG160612UN	15,88	16,12	1,2	–	–	–	–	–	–	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–
CNMG160616UN	15,88	16,12	1,6	–	–	–	–	–	–	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–
CNMG190608UN	19,05	19,34	0,8	–	–	–	–	–	–	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–
CNMG190612UN	19,05	19,34	1,2	–	–	–	–	–	–	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–
CNMG190616UN	19,05	19,34	1,6	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–

* For more information, please see the Innovations Master Catalogue Cutting Tools 2013.


C2–C71


C72–C109


C110–C115

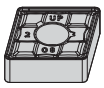

C116–C147

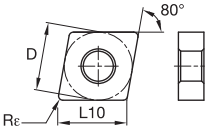
beyond
B10–B23


B24–B31


B32–B37

beyond DRIVE™



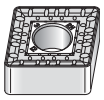


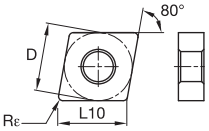
● first choice
○ alternate choice

		KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
P		●	●	●	●	●							●								●	●
M										●	●	●										
K							●	●	●													
N																				●		
S														●	●	●	●	●	●			
H																						

CNMG-UP

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
CNMG120404UP	12,70	12,90	0,4	–	–	–	–	–	–	–	–	●	●	–	–	–	–	–	–	–	–	–	–	–
CNMG120408UP	12,70	12,90	0,8	–	–	–	–	–	–	–	–	●	●	●	–	–	–	–	–	●	–	–	–	–
CNMG120412UP	12,70	12,90	1,2	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	●	–	–	–	–
CNMG160608UP	15,88	16,12	0,8	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–
CNMG160612UP	15,88	16,12	1,2	–	–	–	–	–	–	–	–	●	●	–	–	–	–	–	–	●	–	–	–	–
CNMG190612UP	19,05	19,34	1,2	–	–	–	–	–	–	–	–	●	●	–	–	–	–	–	–	–	–	–	–	–



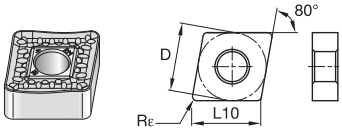


CNMM-RH

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
CNMM190616RH	19,05	19,34	1,6	–	●	●	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
CNMM190624RH	19,05	19,34	2,4	–	●	●	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
CNMM250924RH	25,40	25,79	2,4	–	–	●	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

beyond DRIVE™

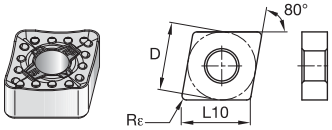
● first choice
○ alternate choice



CNMM-RM

	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
P	●	●	●	●	●							●								●	●
M									●	●	●										
K						●	●	●													
N																			●		
S													●	●	●	●	●	●			
H																					

ISO catalogue number	D	L10	Rε
CNMM120408RM	12,70	12,90	0,8
CNMM120412RM	12,70	12,90	1,2
CNMM160612RM	15,88	16,12	1,2
CNMM160616RM	15,88	16,12	1,6
CNMM160624RM	15,88	16,12	2,4
CNMM190612RM	19,05	19,34	1,2
CNMM190616RM	19,05	19,34	1,6
CNMM190624RM	19,05	19,34	2,4
CNMM250924RM	25,40	25,79	2,4



CNMM-RP

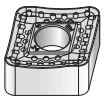
ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
CNMM120408RP	12,70	12,90	0,8	–	–	●	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–
CNMM120412RP	12,70	12,90	1,2	–	●	●	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–
CNMM120416RP	12,70	12,90	1,6	–	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
CNMM160608RP	15,88	16,12	0,8	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
CNMM160612RP	15,88	16,12	1,2	–	●	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–
CNMM160616RP	15,88	16,12	1,6	–	●	●	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–
CNMM190612RP	19,05	19,34	1,2	–	–	●	–	–	–	–	–	–	●	–	●	–	–	–	–	–	–	–	–	–
CNMM190616RP	19,05	19,34	1,6	–	●	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–
CNMM190624RP	19,05	19,34	2,4	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–

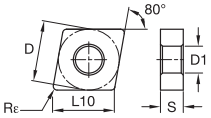
* For more information, please see the Innovations Master Catalogue Cutting Tools 2013.

C2–C71 | C72–C109 | C110–C115 | C116–C147 | B10–B23 | B24–B31 | B32–B37

beyond DRIVE™

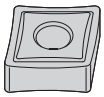
● first choice
○ alternate choice

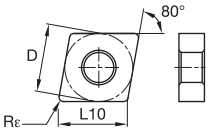




CNMM-RW

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
P				●	●	●	●	●							●								●	●
M												●	●	●										
K									●	●	●													
N																						●		
S																●	●	●	●	●	●			
H																								
CNMM190624RW	19,05	19,34	2,4	–	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
CNMM250924RW	25,40	25,79	2,4	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

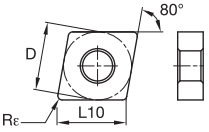




CNMP

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
CNMP120404	12,70	12,90	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	–	–	–	●	–	–
CNMP120408	12,70	12,90	0,8	–	–	●	–	–	–	–	–	–	–	–	–	–	●	●	–	–	–	●	–	–
CNMP120412	12,70	12,90	1,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–
CNMP190612	19,05	19,34	1,2	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–



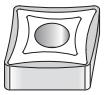


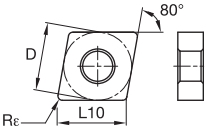
CNMP-K

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
CNMP120404K	12,70	12,90	0,4	–	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
CNMP120408K	12,70	12,90	0,8	–	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

beyond DRIVE™

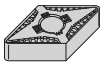
● first choice
○ alternate choice

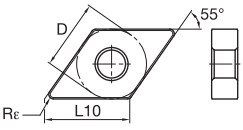




CNMS

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
P				●	●	●	●	●							●								●	●
M												●	●	●										
K									●	●	●													
N																						●		
S																●	●	●	●	●	●			
H																								
CNMS120408	12,70	12,90	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	●	–	–
CNMS160608	15,88	16,12	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–
CNMS190608	19,05	19,34	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	●	–	–
CNMS190612	19,05	19,34	1,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–





DNGG-FS

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
DNGG110402FS	9,52	11,63	0,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	–	–	–
DNGG110404FS	9,52	11,63	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–
DNGG110408FS	9,52	11,63	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–
DNGG150401FS	12,70	15,50	0,1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–
DNGG150402FS	12,70	15,50	0,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	–	–	–
DNGG150404FS	12,70	15,50	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	–	–	–
DNGG150604FS	12,70	15,50	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	–	–	–
DNGG150408FS	12,70	15,50	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	–	–	–
DNGG150608FS	12,70	15,50	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–
DNGG150412FS	12,70	15,50	1,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–
DNGG150416FS	12,70	15,50	1,6	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–

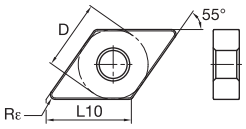
* For more information, please see the Innovations Master Catalogue Cutting Tools 2013.


C2–C71 | C72–C109 | C110–C115 | C116–C147 | B10–B23 | B24–B31 | B32–B37

beyond DRIVE™

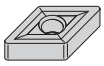
● first choice
○ alternate choice

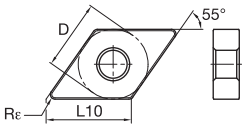




DNGG-LF

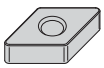
ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
DNGG150402LF	12,70	15,50	0,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–
DNGG150404LF	12,70	15,50	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–
DNGG150408LF	12,70	15,50	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–

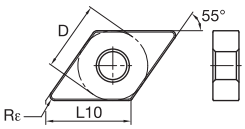




DNGP

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
DNGP150401	12,70	15,50	0,1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–
DNGP150402	12,70	15,50	0,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	●	–	–
DNGP150404	12,70	15,50	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	●	–	●	–	–
DNGP150604	12,70	15,50	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	●	–	●	–	–
DNGP150408	12,70	15,50	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	●	–	●	–	–
DNGP150608	12,70	15,50	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–



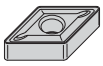


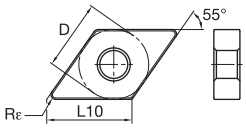
DNMA

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
DNMA110408	9,53	11,63	0,8	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–
DNMA150408	12,70	15,50	0,8	–	–	–	–	–	–	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–
DNMA150608	12,70	15,50	0,8	–	–	–	–	–	–	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–
DNMA150412	12,70	15,50	1,2	–	–	–	–	–	●	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–
DNMA150612	12,70	15,50	1,2	–	–	–	–	–	–	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–
DNMA150416	12,70	15,50	1,6	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–

beyond DRIVE™

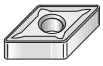
● first choice
○ alternate choice

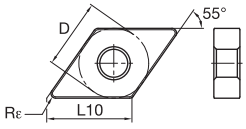




DNMG

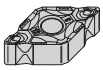
ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
P				●	●	●	●	●							●								●	●
M												●	●	●										
K									●	●	●													
N																						●		
S																●	●	●	●	●	●			
H																								
DNMG150408B	12,70	15,50	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–

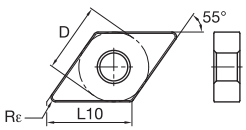




DNMG-33

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
DNMG11040433	9,53	11,63	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–
DNMG11040833	9,53	11,63	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–
DNMG15060433	12,70	15,50	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–
DNMG15060833	12,70	15,50	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–





DNMG-CT

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
DNMG110408CT	9,53	11,63	0,8	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
DNMG150404CT	12,70	15,50	0,4	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–
DNMG150408CT	12,70	15,50	0,8	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–
DNMG150608CT	12,70	15,50	0,8	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–
DNMG150612CT	12,70	15,50	1,1	●	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–
DNMG150412CT	12,70	15,50	1,2	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–

* For more information, please see the Innovations Master Catalogue Cutting Tools 2013.


C2–C71


C72–C109


C110–C115


C116–C147

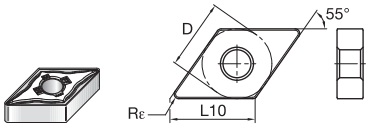
beyond
B10–B23


B24–B31


B32–B37

beyond DRIVE™

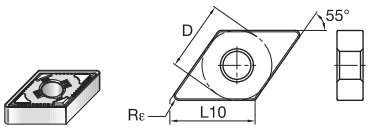
● first choice
○ alternate choice



DNMG-FF

	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
P	●	●	●	●	●							●								●	●
M									●	●	●										
K						●	●	●													
N																			●		
S													●	●	●	●	●	●			
H																					

ISO catalogue number	D	L10	Rε																			
DNMG110404FF	9,53	11,63	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	●	–
DNMG110408FF	9,53	11,63	0,8	●	●	–	–	–	–	–	–	–	–	–	–	–	●	–	–	●	–
DNMG150404FF	12,70	15,50	0,4	–	–	–	–	–	–	–	–	●	–	–	–	–	●	–	–	●	–
DNMG150604FF	12,70	15,50	0,4	–	●	–	–	–	–	–	–	–	–	–	–	–	●	–	–	●	–
DNMG150408FF	12,70	15,50	0,8	●	●	–	–	–	–	–	–	–	–	–	–	–	●	–	–	●	–
DNMG150608FF	12,70	15,50	0,8	–	●	–	–	–	–	–	–	–	–	–	–	–	●	–	–	●	–

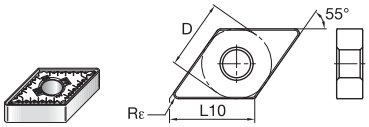


DNMG-FN

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
DNMG110404FN	9,53	11,63	0,4	–	●	●	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–
DNMG110408FN	9,53	11,63	0,8	–	●	●	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–
DNMG110412FN	9,53	11,63	1,2	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–
DNMG150404FN	12,70	15,50	0,4	–	●	●	–	–	●	●	–	–	–	–	–	–	–	–	–	–	–	–	●	–
DNMG150604FN	12,70	15,50	0,4	–	●	●	–	–	●	●	–	–	–	–	–	–	–	–	–	–	–	–	●	–
DNMG150408FN	12,70	15,50	0,8	–	●	●	–	–	●	●	–	–	–	–	–	–	–	–	–	–	–	–	●	–
DNMG150608FN	12,70	15,50	0,8	–	●	●	–	–	●	●	–	–	–	–	–	–	–	–	–	–	–	–	●	–
DNMG150412FN	12,70	15,50	1,2	–	●	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–
DNMG150612FN	12,70	15,50	1,2	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–

beyond DRIVE™

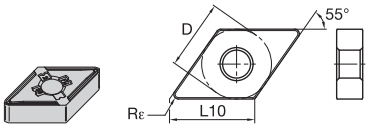
● first choice
○ alternate choice



DNMG-FP

	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
P	●	●	●	●	●							●								●	●
M									●	●	●										
K						●	●	●													
N																			●		
S													●	●	●	●	●	●			
H																					

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
DNMG110404FP	9,53	11,63	0,4	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	●	–	–	–	–
DNMG110408FP	9,53	11,63	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	●	–
DNMG150404FP	12,70	15,50	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	●	–
DNMG150604FP	12,70	15,50	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–
DNMG150408FP	12,70	15,50	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	●	–
DNMG150608FP	12,70	15,50	0,8	–	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–
DNMG150412FP	12,70	15,50	1,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	●
DNMG150612FP	12,70	15,50	1,2	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	●	–	–	●	–



DNMG-FW

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
DNMG110404FW	9,53	11,63	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	●	–
DNMG110408FW	9,53	11,63	0,8	–	●	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	●	–
DNMG150404FW	12,70	15,50	0,4	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	●	–	–	●	–
DNMG150408FW	12,70	15,50	0,4	–	●	–	–	–	–	●	–	–	–	–	–	–	–	–	–	●	–	–	●	–
DNMG150604FW	12,70	15,50	0,4	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–
DNMG150608FW	12,70	15,50	0,4	●	●	–	–	–	–	●	–	–	–	–	–	–	–	–	–	●	–	–	–	–

* For more information, please see the Innovations Master Catalogue Cutting Tools 2013.


C2–C71


C72–C109


C110–C115


C116–C147

beyond
B10–B23

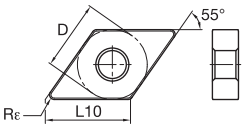

B24–B31


B32–B37

beyond DRIVE™

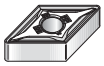
● first choice
○ alternate choice

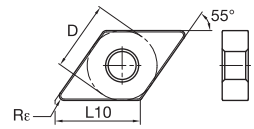




DNMG-MN

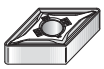
				KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
P				●	●	●	●	●							●								●	●
M												●	●	●										
K									●	●	●													
N																						●		
S																●	●	●	●	●	●			
H																								
ISO catalogue number	**D**	**L10**	**Rε**																					
DNMG110404MN	9,53	11,63	0,4	–	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
DNMG110408MN	9,53	11,63	0,8	–	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
DNMG110412MN	9,53	11,63	1,2	–	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
DNMG150404MN	12,70	15,50	0,4	–	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
DNMG150604MN	12,70	15,50	0,4	–	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
DNMG150408MN	12,70	15,50	0,8	●	●	●	●	●	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–
DNMG150608MN	12,70	15,50	0,8	●	●	●	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
DNMG150412MN	12,70	15,50	1,2	–	●	●	●	●	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–
DNMG150612MN	12,70	15,50	1,2	–	●	●	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
DNMG150616MN	12,70	15,50	1,6	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
DNMG190612MN	15,88	19,38	1,2	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

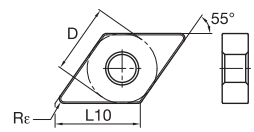




DNMG-MP

				KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
ISO catalogue number	**D**	**L10**	**Rε**																					
DNMG110408MP	9,53	11,63	0,8	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	●	–	–	–	–
DNMG110412MP	9,53	11,63	1,2	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–
DNMG150404MP	12,70	15,50	0,4	–	–	–	–	–	–	–	–	●	●	–	–	–	–	–	–	●	–	–	–	–
DNMG150604MP	12,70	15,50	0,4	–	–	–	–	–	–	–	–	●	●	–	–	–	–	–	–	●	–	–	–	–
DNMG150408MP	12,70	15,50	0,8	–	–	–	–	–	–	–	–	●	●	–	–	–	–	–	–	●	–	–	–	–
DNMG150608MP	12,70	15,50	0,8	–	–	–	–	–	–	–	–	●	●	●	–	–	–	–	–	●	●	–	–	–
DNMG150412MP	12,70	15,50	1,2	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	●	–	–	–	–
DNMG150612MP	12,70	15,50	1,2	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	●	●	–	–	–



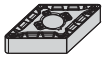


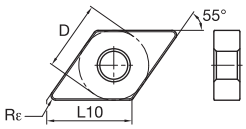
DNMG-MP1

				KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
ISO catalogue number	**D**	**L10**	**Rε**																					
DNMG150408MP1	12,70	15,50	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–
DNMG150608MP1	12,70	15,50	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–

beyond DRIVE™

● first choice
○ alternate choice





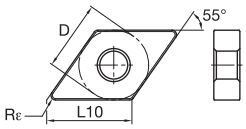
DNMG-MR

	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
P	●	●	●	●	●							●								●	●
M									●	●	●										
K						●	●	●													
N																			●		
S													●	●	●	●	●	●			
H																					

ISO catalogue number	D	L10	Rε
DNMG110408MR	9,53	11,63	0,8
DNMG150404MR	12,70	15,50	0,4
DNMG150408MR	12,70	15,50	0,8
DNMG150608MR	12,70	15,50	0,8
DNMG150412MR	12,70	15,50	1,2
DNMG150612MR	12,70	15,50	1,2
DNMG150616MR	12,70	15,50	1,6

	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
DNMG110408MR	–	●	●	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–
DNMG150404MR	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–
DNMG150408MR	–	●	●	●	–	–	–	–	–	●	–	●	–	–	–	–	●	–	–	–	–
DNMG150608MR	–	●	●	–	–	–	●	–	●	●	–	–	–	–	–	–	●	–	–	–	–
DNMG150412MR	–	●	●	–	–	–	●	–	–	●	–	●	–	–	–	–	–	–	–	–	–
DNMG150612MR	–	●	●	–	–	–	–	–	●	●	–	–	–	–	–	–	–	–	–	–	–
DNMG150616MR	–	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–





DNMG-MS

ISO catalogue number	D	L10	Rε
DNMG110408MS	9,53	11,63	0,8
DNMG150401MS	12,70	15,50	0,1
DNMG150402MS	12,70	15,50	0,2
DNMG150404MS	12,70	15,50	0,4
DNMG150604MS	12,70	15,50	0,4
DNMG150408MS	12,70	15,50	0,8
DNMG150608MS	12,70	15,50	0,8
DNMG150412MS	12,70	15,50	1,2
DNMG150612MS	12,70	15,50	1,2

	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
DNMG110408MS	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	–	–	–
DNMG150401MS	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–
DNMG150402MS	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	–	–	–
DNMG150404MS	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	●	●	–	–	–
DNMG150604MS	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	●	●	–	–	–
DNMG150408MS	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	●	●	–	–	–
DNMG150608MS	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	●	●	–	–	–
DNMG150412MS	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	–	–	–
DNMG150612MS	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	–	–	–

* For more information, please see the Innovations Master Catalogue Cutting Tools 2013.


C2–C71


C72–C109


C110–C115


C116–C147

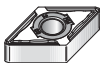
beyond
B10–B23

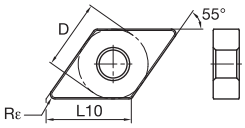

B24–B31


B32–B37

beyond DRIVE™

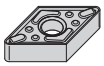
● first choice
○ alternate choice

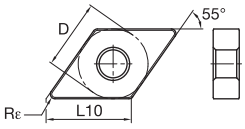




DNMG-MW

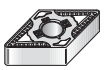
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P				●	●	●	●	●							●								●	●
M												●	●	●										
K									●	●	●													
N																						●		
S																●	●	●	●	●	●			
H																								
DNMG150408MW	12,70	15,50	0,4	–	●	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–
DNMG150608MW	12,70	15,50	0,4	–	●	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–
DNMG150612MW	12,70	15,50	1,2	–	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

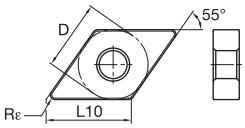




DNMG-P

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
DNMG150404P	12,70	15,50	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–
DNMG150408P	12,70	15,50	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	●	–	–	–	–
DNMG150608P	12,70	15,50	0,8	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	●	–	–	–	–



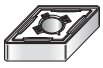


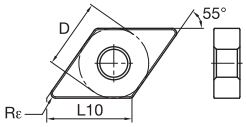
DNMG-RN

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
DNMG150408RN	12,70	15,50	0,8	–	●	●	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
DNMG150608RN	12,70	15,50	0,8	–	●	●	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
DNMG150412RN	12,70	15,50	1,2	–	●	●	–	●	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–
DNMG150612RN	12,70	15,50	1,2	–	●	●	–	●	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–
DNMG150416RN	12,70	15,50	1,6	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
DNMG150616RN	12,70	15,50	1,6	–	●	●	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
DNMG190608RN	15,88	19,38	0,8	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
DNMG190612RN	15,88	19,38	1,2	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

beyond DRIVE™

● first choice
○ alternate choice

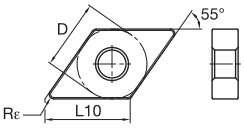




DNMG-RP

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
P				●	●	●	●	●							●								●	●
M												●	●	●										
K									●	●	●													
N																						●		
S																●	●	●	●	●	●			
H																								
DNMG110408RP	9,53	11,63	0,8	–	–	●	–	–	–	●	●	–	–	–	–	–	–	–	●	●	–	–	–
DNMG110412RP	9,53	11,63	1,2	–	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
DNMG150408RP	12,70	15,50	0,8	–	●	●	–	–	–	–	●	–	●	–	–	–	–	–	●	●	–	–	–
DNMG150608RP	12,70	15,50	0,8	–	●	●	–	–	–	●	●	–	●	●	–	–	–	–	●	●	–	–	–
DNMG150412RP	12,70	15,50	1,2	–	●	●	–	●	–	–	●	–	●	–	–	–	–	–	●	●	–	–	–
DNMG150612RP	12,70	15,50	1,2	–	●	●	–	–	●	–	●	–	●	●	–	–	–	–	●	●	–	–	–
DNMG150416RP	12,70	15,50	1,6	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–
DNMG150616RP	12,70	15,50	1,6	–	●	●	–	–	–	–	●	–	–	–	–	–	–	–	–	●	–	–	–





DNMG-UN

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
DNMG110408UN	9,53	11,63	0,8	–	–	–	–	–	–	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–
DNMG110412UN	9,53	11,63	1,2	–	–	–	–	–	–	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–
DNMG150408UN	12,70	15,50	0,8	–	–	–	–	–	–	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–
DNMG150608UN	12,70	15,50	0,8	–	–	–	–	–	–	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–
DNMG150412UN	12,70	15,50	1,2	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–
DNMG150612UN	12,70	15,50	1,2	–	–	–	–	–	–	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–
DNMG150416UN	12,70	15,50	1,6	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–

* For more information, please see the Innovations Master Catalogue Cutting Tools 2013.


C2–C71


C72–C109


C110–C115


C116–C147

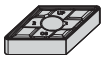
beyond
B10–B23

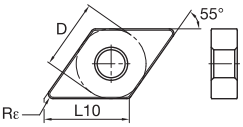

B24–B31


B32–B37

beyond DRIVE™

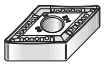
● first choice
○ alternate choice

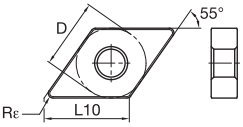




DNMG-UP

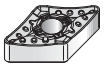
ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
P				●	●	●	●	●							●								●	●
M												●	●	●										
K									●	●	●													
N																						●		
S																●	●	●	●	●	●			
H																								
DNMG110408UP	9,53	11,63	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–
DNMG150404UP	12,70	15,50	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–
DNMG150408UP	12,70	15,50	0,8	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	●	–	–	–	–
DNMG150608UP	12,70	15,50	0,8	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	●	–	–	–	–
DNMG150412UP	12,70	15,50	1,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–
DNMG150612UP	12,70	15,50	1,2	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–

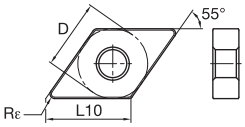




DNMM-RM

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
DNMM150608RM	12,70	15,50	0,8	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
DNMM150412RM	12,70	15,50	1,2	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
DNMM150612RM	12,70	15,50	1,2	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
DNMM150616RM	12,70	15,50	1,6	–	●	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–



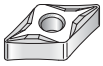


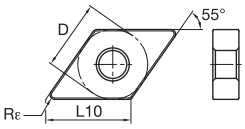
DNMM-RP

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
DNMM150608RP	12,70	15,50	0,8	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–
DNMM150612RP	12,70	15,50	1,2	–	–	●	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–
DNMM150616RP	12,70	15,50	1,6	–	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

beyond DRIVE™

● first choice
○ alternate choice

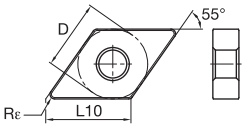




DNMP

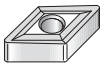
ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
				P ●	P ●	P ●	P ●	P ●							P ●								P ●	P ●
												M ●	M ●	M ●										
									K ●	K ●	K ●													
																						N ●		
																S ●	S ●	S ●	S ●	S ●	S ●			
DNMP150404	12,70	15,50	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–
DNMP150408	12,70	15,50	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–
DNMP150412	12,70	15,50	1,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–

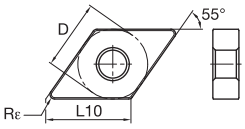




DNMP-K

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
DNMP110408K	9,53	11,63	0,8	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
DNMP150404K	12,70	15,50	0,4	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
DNMP150604K	12,70	15,50	0,4	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
DNMP150408K	12,70	15,50	0,8	–	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
DNMP150608K	12,70	15,50	0,8	–	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
DNMP150412K	12,70	15,50	1,2	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
DNMP150612K	12,70	15,50	1,2	–	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–





DNMS

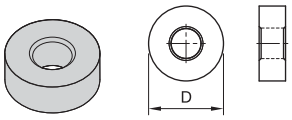
ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
DNMS150408	12,70	15,50	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	●	–	–

* For more information, please see the Innovations Master Catalogue Cutting Tools 2013.

C2–C71 | C72–C109 | C110–C115 | C116–C147 | B10–B23 | B24–B31 | B32–B37

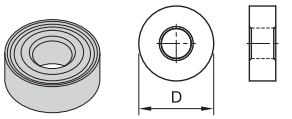
beyond DRIVE™

● first choice
○ alternate choice



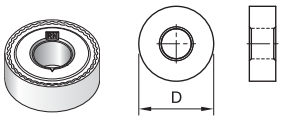
RNMA

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
RNMA120400	12,70	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	●	–	–	–	–	–	–
RNMA150600	15,88	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–



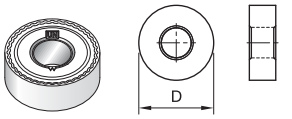
RNMG

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
RNMG190600	19,05	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–



RNMG-RN

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
RNMG090300RN	9,53	–	–	–	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
RNMG120400RN	12,70	–	–	–	●	●	–	●	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–
RNMG150600RN	15,88	–	–	–	–	●	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
RNMG190600RN	19,05	–	–	–	–	●	–	●	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–

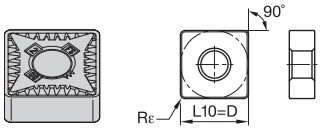


RNMG-UN

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
RNMG120400UN	12,70	–	–	–	–	–	–	–	–	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–

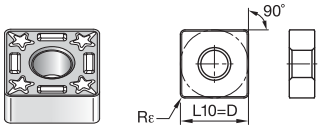
beyond DRIVE™

● first choice
○ alternate choice



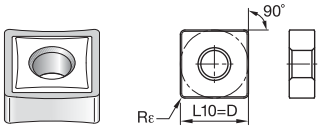
SNGG-FS

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
				P ●	P ●	P ●	P ●	P ●							P ●								P ●	P ●
												M ●	M ●	M ●										
									K ●	K ●	K ●													
																						N ●		
																S ●	S ●	S ●	S ●	S ●	S ●			
SNGG090308FS	9,53	9,53	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	–	–	–
SNGG120408FS	12,70	12,70	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–



SNGG-LF

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
SNGG090308LF	9,53	9,53	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–
SNGG150612LF	15,88	15,88	1,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–



SNGP

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
SNGP120404	12,70	12,70	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–
SNGP120408	12,70	12,70	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–

* For more information, please see the Innovations Master Catalogue Cutting Tools 2013.


C2–C71


C72–C109


C110–C115


C116–C147

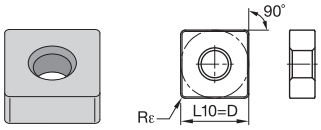
beyond
B10–B23


B24–B31


B32–B37

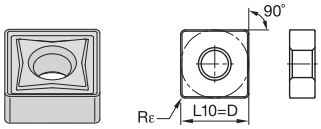
beyond DRIVE™

● first choice
○ alternate choice



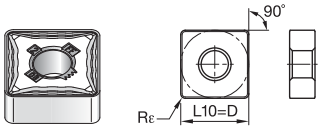
SNMA

				KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
P				●	●	●	●	●							●								●	●
M												●	●	●										
K									●	●	●													
N																						●		
S																●	●	●	●	●	●			
H																								
ISO catalogue number	**D**	**L10**	**Rε**																					
SNMA120408	12,70	12,70	0,8	–	–	–	–	–	–	●	●	–	–	–	–	–	–	●	–	–	–	–	–	–
SNMA120412	12,70	12,70	1,2	–	–	–	–	–	●	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–
SNMA120416	12,70	12,70	1,6	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–
SNMA150612	15,88	15,88	1,2	–	–	–	–	–	–	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–
SNMA190612	19,05	19,05	1,2	–	–	–	–	–	–	●	●	–	–	–	–	–	–	●	–	–	–	–	–	–
SNMA190616	19,05	19,05	1,6	–	–	–	–	–	–	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–



SNMG

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
SNMG120408	12,70	12,70	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–
SNMG120412	12,70	12,70	1,2	–	●	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–
SNMG120416B	12,70	12,70	1,6	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–
SNMG190612	19,05	19,05	1,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	●	–	–	–	–
SNMG190616B	19,05	19,05	1,6	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–
SNMG250924	25,40	25,40	2,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–

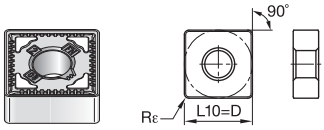


SNMG-FF

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
SNMG090304FF	9,53	9,53	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–
SNMG090308FF	9,53	9,53	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	●	–
SNMG120404FF	12,70	12,70	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–
SNMG120408FF	12,70	12,70	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–

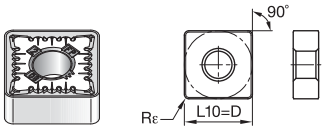
beyond DRIVE™

● first choice
○ alternate choice



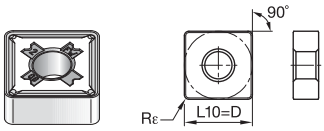
SNMG-FN

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
SNMG090308FN	9,53	9,53	0,8	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–
SNMG120404FN	12,70	12,70	0,4	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
SNMG120408FN	12,70	12,70	0,8	–	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–
SNMG120412FN	12,70	12,70	1,2	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–



SNMG-FP

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
SNMG120404FP	12,70	12,70	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–
SNMG120408FP	12,70	12,70	0,8	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	●	–	–	–	–
SNMG120412FP	12,70	12,70	1,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–



SNMG-FW

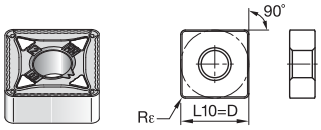
ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
SNMG120412FW	12,70	12,70	1,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–

* For more information, please see the Innovations Master Catalogue Cutting Tools 2013.

C2–C71 | C72–C109 | C110–C115 | C116–C147 | B10–B23 | B24–B31 | B32–B37

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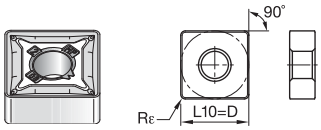
● first choice
○ alternate choice



SNMG-MN

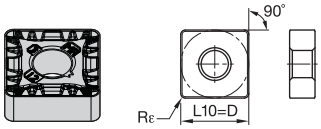
P	●	●	●	●	●						●								●	●
M									●	●	●									
K						●	●	●												
N																		●		
S												●	●	●	●	●	●			
H																				

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
SNMG090308MN	9,53	9,53	0,8	–	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
SNMG120404MN	12,70	12,70	0,4	–	–	●	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
SNMG120408MN	12,70	12,70	0,8	–	●	●	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
SNMG120412MN	12,70	12,70	1,2	–	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
SNMG120416MN	12,70	12,70	1,6	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
SNMG150612MN	15,88	15,88	1,2	–	●	●	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
SNMG150616MN	15,88	15,88	1,6	–	–	●	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
SNMG190612MN	19,05	19,05	1,2	–	–	●	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–



SNMG-MP

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
SNMG120408MP	12,70	12,70	0,8	–	–	–	–	–	–	●	–	●	●	●	–	–	–	–	–	●	–	–	–	–
SNMG120412MP	12,70	12,70	1,2	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	●	●	–	–	–
SNMG120416MP	12,70	12,70	1,6	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	●	–	–	–	–
SNMG150608MP	15,88	15,88	0,8	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–
SNMG150612MP	15,88	15,88	1,2	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	●	–	–	–	–
SNMG150616MP	15,88	15,88	1,6	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–
SNMG190612MP	19,05	19,05	1,2	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	●	–	–	–	–
SNMG190616MP	19,05	19,05	1,6	–	–	–	–	–	–	–	–	–	●	●	–	–	–	–	–	●	–	–	–	–

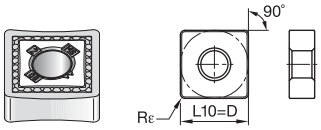


SNMG-MR

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
SNMG120408MR	12,70	12,70	0,8	–	–	●	–	–	–	–	–	●	●	–	–	–	–	–	–	●	–	–	–	–
SNMG120412MR	12,70	12,70	1,2	–	●	●	–	–	–	●	–	–	●	–	–	–	–	–	–	●	–	–	–	–
SNMG150612MR	15,88	15,88	1,2	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	●	–	–	–	–
SNMG150616MR	15,88	15,88	1,6	–	–	●	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–

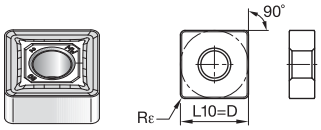
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● first choice
○ alternate choice



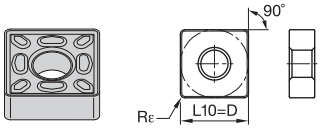
SNMG-MS

				KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
P				●	●	●	●	●							●								●	●
M												●	●	●										
K									●	●	●													
N																						●		
S																●	●	●	●	●	●			
H																								
ISO catalogue number	**D**	**L10**	**Rε**																					
SNMG120408MS	12,70	12,70	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	–	–	–
SNMG120412MS	12,70	12,70	1,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	–	–	–
SNMG150608MS	15,88	15,88	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–
SNMG150612MS	15,88	15,88	1,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–
SNMG190612MS	19,05	19,05	1,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	–	–	–



SNMG-MW

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
SNMG120412MW	12,70	12,70	1,2	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–



SNMG-P

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
SNMG120408P	12,70	12,70	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–
SNMG120412P	12,70	12,70	1,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–

* For more information, please see the Innovations Master Catalogue Cutting Tools 2013.


C2–C71


C72–C109


C110–C115


C116–C147

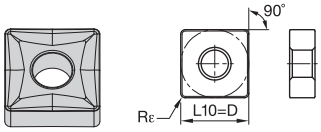
beyond
B10–B23


B24–B31


B32–B37

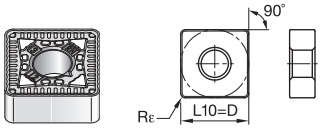
beyond DRIVE™

● first choice
○ alternate choice



SNMG-RM

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
SNMG190612RM	19,05	19,05	1,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–
SNMG190616RM	19,05	19,05	1,6	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–
SNMG250924RM	25,40	25,40	2,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–

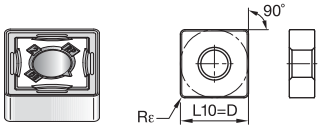


SNMG-RN

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
SNMG120408RN	12,70	12,70	0,8	–	–	–	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
SNMG120412RN	12,70	12,70	1,2	–	●	●	●	●	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–
SNMG120416RN	12,70	12,70	1,6	–	●	●	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
SNMG150608RN	15,88	15,88	0,8	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
SNMG150612RN	15,88	15,88	1,2	–	●	●	●	●	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–
SNMG150616RN	15,88	15,88	1,6	–	–	●	●	●	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–
SNMG190608RN	19,05	19,05	0,8	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
SNMG190612RN	19,05	19,05	1,2	–	●	●	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
SNMG190616RN	19,05	19,05	1,6	–	–	●	●	●	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–
SNMG190624RN	19,05	19,05	2,4	–	–	●	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
SNMG250924RN	25,40	25,40	2,4	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

beyond DRIVE™

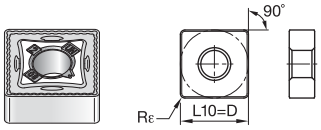
● first choice
○ alternate choice



SNMG-RP

P		●	●	●	●	●							●											●	●				
M										●	●	●																		
K							●	●	●																					
N																													●		
S																	●	●	●	●	●	●								
H																														

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
SNMG120408RP	12,70	12,70	0,8	–	–	–	–	–	–	–	●	–	●	–	–	–	–	–	–	●	●	–	–	–
SNMG120412RP	12,70	12,70	1,2	●	●	●	–	–	●	●	●	–	●	●	–	–	–	–	–	●	●	–	–	–
SNMG120416RP	12,70	12,70	1,6	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	●	–	–	–	–
SNMG150612RP	15,88	15,88	1,2	–	●	●	–	–	–	●	–	●	●	●	●	–	–	–	–	●	●	–	–	–
SNMG150616RP	15,88	15,88	1,6	–	●	–	–	–	–	–	–	●	●	–	–	–	–	–	–	–	●	–	–	–
SNMG190612RP	19,05	19,05	1,2	–	–	●	–	●	–	–	●	–	●	–	–	–	–	–	–	●	●	–	–	–
SNMG190616RP	19,05	19,05	1,6	–	–	●	–	–	–	–	–	–	●	●	–	–	–	–	–	●	●	–	–	–



SNMG-UN

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
SNMG120408UN	12,70	12,70	0,8	–	–	–	–	–	–	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–
SNMG120412UN	12,70	12,70	1,2	–	–	–	–	–	●	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–
SNMG120416UN	12,70	12,70	1,6	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–
SNMG150612UN	15,88	15,88	1,2	–	–	–	–	–	–	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–
SNMG150616UN	15,88	15,88	1,6	–	–	–	–	–	–	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–
SNMG190612UN	19,05	19,05	1,2	–	–	–	–	–	●	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–
SNMG190616UN	19,05	19,05	1,6	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–

* For more information, please see the Innovations Master Catalogue Cutting Tools 2013.


C2–C71


C72–C109


C110–C115


C116–C147

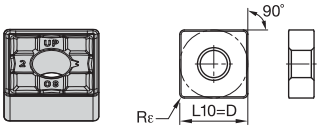
beyond
B10–B23


B24–B31


B32–B37

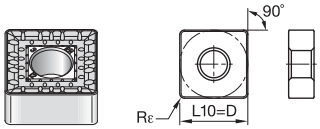
beyond DRIVE™

● first choice
○ alternate choice



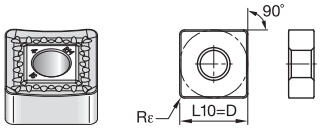
SNMG-UP

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
SNMG120408UP	12,70	12,70	0,8	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–
SNMG120412UP	12,70	12,70	1,2	–	–	–	–	–	–	–	–	–	●	●	–	–	–	–	–	–	–	–	–	–
SNMG150612UP	15,88	15,88	1,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–



SNMM-RH

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
SNMM190612RH	19,05	19,05	1,2	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
SNMM190616RH	19,05	19,05	1,6	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
SNMM190624RH	19,05	19,05	2,4	–	–	●	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
SNMM250724RH	25,40	25,40	2,4	–	●	●	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
SNMM250924RH	25,40	25,40	2,4	–	●	●	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
SNMM250732RH	25,40	25,40	3,2	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

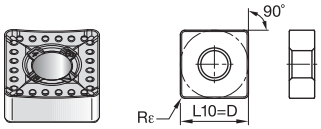


SNMM-RM

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
SNMM150616RM	15,88	15,88	1,6	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
SNMM190612RM	19,05	19,05	1,2	–	–	●	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
SNMM190616RM	19,05	19,05	1,6	–	–	●	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
SNMM190624RM	19,05	19,05	2,4	–	–	●	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
SNMM250924RM	25,40	25,40	2,4	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

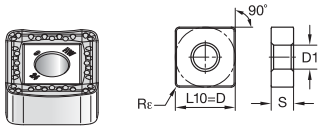
beyond DRIVE™

● first choice
○ alternate choice



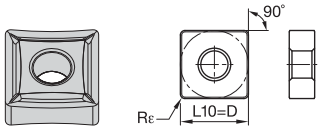
SNMM-RP

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P				●	●	●	●	●							●								●	●
M												●	●	●										
K									●	●	●													
N																						●		
S																●	●	●	●	●	●			
H																								
ISO catalogue number	**D**	**L10**	**Rε**																					
SNMM190616RP	19,05	19,05	1,6	–	–	●	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–
SNMM190624RP	19,05	19,05	2,4	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
SNMM250724RP	25,40	25,40	2,4	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–
SNMM250924RP	25,40	25,40	2,4	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–



SNMM-RW

				KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
ISO catalogue number	**D**	**L10**	**Rε**																					
SNMM250724RW	25,40	25,40	2,4	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–



SNMP

				KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
ISO catalogue number	**D**	**L10**	**Rε**																					
SNMP120408	12,70	12,70	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–
SNMP190612	19,05	19,05	1,2	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	–	–	–	–	–	–

* For more information, please see the Innovations Master Catalogue Cutting Tools 2013.


C2–C71


C72–C109


C110–C115


C116–C147

beyond
B10–B23

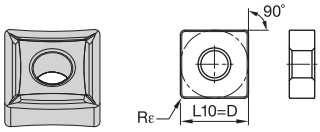

B24–B31


B32–B37

beyond DRIVE™

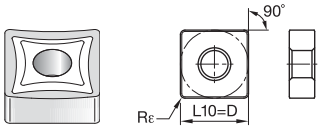
● first choice
○ alternate choice

		KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
P		●	●	●	●	●							●								●	●
M										●	●	●										
K							●	●	●													
N																				●		
S														●	●	●	●	●	●			
H																						



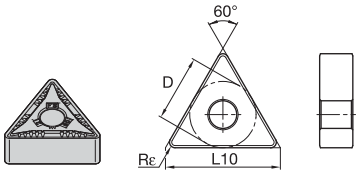
SNMP-K

ISO catalogue number	D	L10	Rε
SNMP120408K	12,70	12,70	0,8



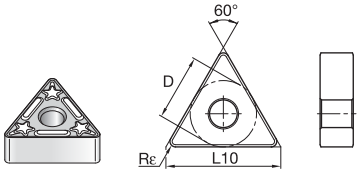
SNMS

ISO catalogue number	D	L10	Rε
SNMS120408	12,70	12,70	0,8
SNMS190612	19,05	19,05	1,2



TNGG-FS

ISO catalogue number	D	L10	Rε
TNGG160402FS	9,53	16,50	0,2
TNGG160404FS	9,53	16,50	0,4
TNGG160408FS	9,53	16,50	0,8
TNGG220408FS	12,70	22,00	0,8



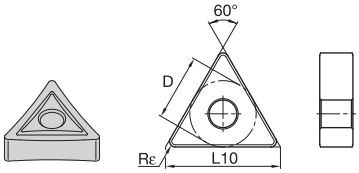
TNGG-LF

ISO catalogue number	D	L10	Rε
TNGG160402LF	9,53	16,50	0,2
TNGG160404LF	9,53	16,50	0,4
TNGG160408LF	9,53	16,50	0,8

beyond DRIVE™

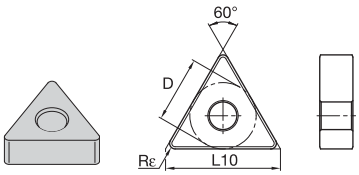
● first choice
○ alternate choice

		KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
P		●	●	●	●	●							●								●	●
M										●	●	●										
K							●	●	●													
N																				●		
S														●	●	●	●	●	●			
H																						



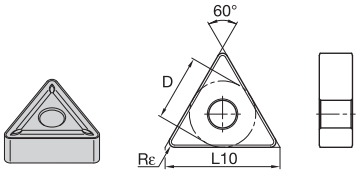
TNGP

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
TNGP160402	9,53	16,50	0,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–
TNGP160404	9,53	16,50	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	●	–	–
TNGP160408	9,53	16,50	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	●	–	–



TNMA

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
TNMA160408	9,53	16,50	0,8	–	–	–	–	–	–	●	●	–	–	–	–	–	–	●	–	–	–	–	–	–
TNMA160412	9,53	16,50	1,2	–	–	–	–	–	–	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–
TNMA160416	9,53	16,50	1,6	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–
TNMA220408	12,70	22,00	0,8	–	–	–	–	–	●	●	●	–	–	–	–	–	–	●	–	–	–	–	–	–
TNMA220412	12,70	22,00	1,2	–	–	–	–	–	–	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–
TNMA220416	12,70	22,00	1,6	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–



TNMG

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
TNMG220412	12,70	22,00	1,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–
TNMG220416	12,70	22,00	1,6	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–

* For more information, please see the Innovations Master Catalogue Cutting Tools 2013.


C2–C71


C72–C109


C110–C115


C116–C147

beyond
B10–B23

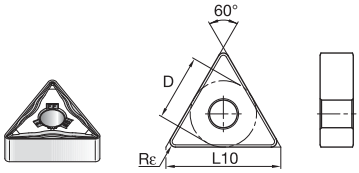

B24–B31


B32–B37

beyond DRIVE™

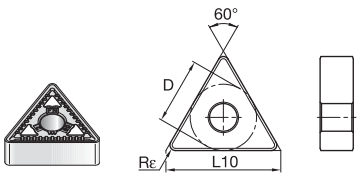
● first choice
○ alternate choice

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P		●	●	●	●	●							●								●	●
M										●	●	●										
K							●	●	●													
N																				●		
S														●	●	●	●	●	●			
H																						



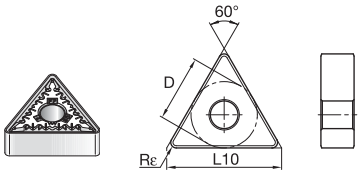
TNMG-FF

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
TNMG110304FF	6,35	11,00	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–
TNMG160404FF	9,53	16,50	0,4	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	●	–	–	●	–
TNMG160408FF	9,53	16,50	0,8	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	●	–



TNMG-FN

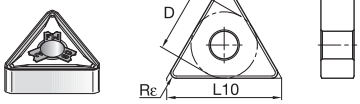
ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
TNMG160404FN	9,53	16,50	0,4	●	●	●	–	–	●	●	–	–	–	–	–	–	–	–	–	–	–	–	●	–
TNMG160408FN	9,53	16,50	0,8	●	●	●	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	●	–
TNMG160412FN	9,53	16,50	1,2	–	●	●	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–
TNMG220404FN	12,70	22,00	0,4	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–
TNMG220408FN	12,70	22,00	0,8	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
TNMG220412FN	12,70	22,00	1,2	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–



TNMG-FP

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
TNMG160404FP	9,53	16,50	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	●	–
TNMG160408FP	9,53	16,50	0,8	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	●	–	–	●	–
TNMG160412FP	9,53	16,50	1,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–
TNMG220404FP	12,70	22,00	0,4	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	●	–	–	–	–
TNMG220408FP	12,70	22,00	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–

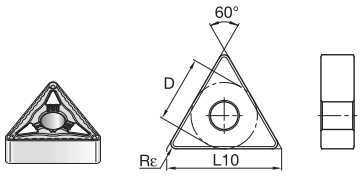
beyond DRIVE™



● first choice
○ alternate choice

TNMG-FW

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
P				●	●	●	●	●							●								●	●
M												●	●	●										
K									●	●	●													
N																						●		
S																●	●	●	●	●	●			
H																								
TNMG160404FW	9,53	16,50	0,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	●	–
TNMG160408FW	9,53	16,50	0,4	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	●	–
TNMG160412FW	9,53	16,50	1,2	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	●	–



TNMG-MN

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
TNMG160404MN	9,53	16,50	0,4	–	●	●	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
TNMG160408MN	9,53	16,50	0,8	–	●	●	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
TNMG160412MN	9,53	16,50	1,2	–	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
TNMG220404MN	12,70	22,00	0,4	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
TNMG220408MN	12,70	22,00	0,8	–	●	●	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
TNMG220412MN	12,70	22,00	1,2	–	–	●	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

* For more information, please see the Innovations Master Catalogue Cutting Tools 2013.


C2–C71


C72–C109


C110–C115


C116–C147

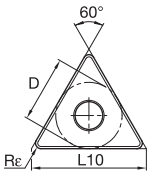
beyond
B10–B23


B24–B31


B32–B37

beyond DRIVE™



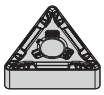


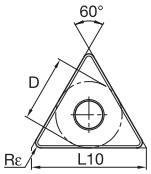


● first choice
○ alternate choice

TNMG-MP

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
TNMG160404MP	9,53	16,50	0,4	–	–	–	–	–	–	–	–	●	●	●	–	–	–	–	–	●	–	–	–	–
TNMG160408MP	9,53	16,50	0,8	–	–	–	–	–	–	–	–	●	●	●	–	–	–	–	–	●	–	–	–	–
TNMG160412MP	9,53	16,50	1,2	–	–	–	–	–	–	–	–	●	●	–	–	–	–	–	–	●	–	–	–	–
TNMG220408MP	12,70	22,00	0,8	–	●	–	–	–	–	–	–	●	●	–	–	–	–	–	–	●	–	–	–	–
TNMG220412MP	12,70	22,00	1,2	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	●	–	–	–	–
TNMG220416MP	12,70	22,00	1,6	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–



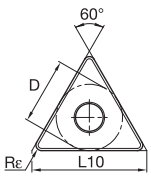




TNMG-MR

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
TNMG160404MR	9,53	16,50	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–
TNMG160408MR	9,53	16,50	0,8	–	●	●	–	–	–	●	–	●	●	–	–	–	–	–	–	●	–	–	–	–
TNMG160412MR	9,53	16,50	1,2	–	●	●	–	–	–	●	–	–	●	–	–	–	–	–	–	–	–	–	–	–
TNMG220408MR	12,70	22,00	0,8	–	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–
TNMG220412MR	12,70	22,00	1,2	–	●	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–
TNMG270612MR	15,88	27,50	1,2	–	–	●	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–
TNMG270616MR	15,88	27,50	1,6	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–





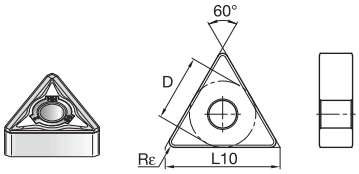


TNMG-MS

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
TNMG160402MS	9,53	16,50	0,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	–	–	–
TNMG160404MS	9,53	16,50	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	–	–	–
TNMG160408MS	9,53	16,50	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	–	–	–
TNMG220404MS	12,70	22,00	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	–	–	–
TNMG220408MS	12,70	22,00	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	●	●	–	–	–
TNMG220412MS	12,70	22,00	1,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	–	–	–
TNMG270608MS	15,88	27,50	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–
TNMG270616MS	15,88	27,50	1,6	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–

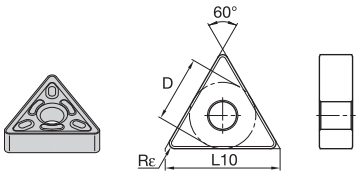
beyond DRIVE™

● first choice
○ alternate choice



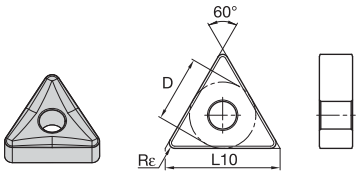
TNMG-MW

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
TNMG160408MW	9,53	16,50	0,8	●	–	●	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–
TNMG160412MW	9,53	16,50	1,2	–	●	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–



TNMG-P

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
TNMG160404P	9,53	16,50	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–
TNMG160408P	9,53	16,50	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–
TNMG220404P	12,70	22,00	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–
TNMG220408P	12,70	22,00	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–
TNMG220412P	12,70	22,00	1,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–



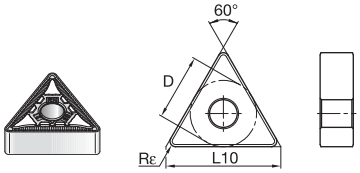
TNMG-RM

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
TNMG330924RM	19,05	32,99	2,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–

* For more information, please see the Innovations Master Catalogue Cutting Tools 2013.

C2–C71 | C72–C109 | C110–C115 | C116–C147 | B10–B23 | B24–B31 | B32–B37

beyond DRIVE™

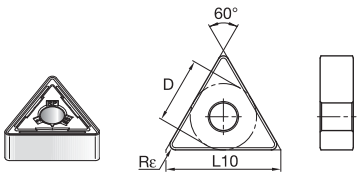


● first choice
○ alternate choice

		KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
P		●	●	●	●	●							●								●	●
M										●	●	●										
K							●	●	●													
N																				●		
S														●	●	●	●	●	●			
H																						

TNMG-RN

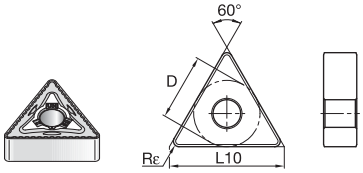
ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
TNMG160408RN	9,53	16,50	0,8	–	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
TNMG160412RN	9,53	16,50	1,2	–	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
TNMG220408RN	12,70	22,00	0,8	–	●	●	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
TNMG220412RN	12,70	22,00	1,2	–	●	●	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
TNMG220416RN	12,70	22,00	1,6	–	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
TNMG270608RN	15,88	27,50	0,8	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
TNMG270612RN	15,88	27,50	1,2	–	●	–	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
TNMG270616RN	15,88	27,50	1,6	–	–	●	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
TNMG330924RN	19,05	33,00	2,4	–	●	●	●	●	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–



TNMG-RP

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
TNMG160408RP	9,53	16,50	0,8	–	●	●	–	–	–	●	●	–	●	–	–	–	–	–	–	●	●	–	–	–
TNMG160412RP	9,53	16,50	1,2	–	●	●	–	–	–	–	●	–	–	–	–	–	–	–	–	–	●	–	–	–
TNMG220408RP	12,70	22,00	0,8	–	●	●	–	●	–	–	●	–	●	–	●	–	–	–	–	●	●	–	–	–
TNMG220412RP	12,70	22,00	1,2	–	–	●	–	–	–	●	●	–	●	–	●	–	–	–	–	●	●	–	–	–
TNMG220416RP	12,70	22,00	1,6	–	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	–	–	–
TNMG220432RP	12,70	22,00	3,2	–	●	●	–	–	–	–	●	–	●	–	–	–	–	–	–	●	–	–	–	–
TNMG270612RP	15,88	27,50	1,2	–	–	●	–	–	–	–	●	–	●	–	–	–	–	–	–	●	●	–	–	–
TNMG270616RP	15,88	27,50	1,6	–	–	●	–	●	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–
TNMG330924RP	19,05	33,00	2,4	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–

beyond DRIVE™

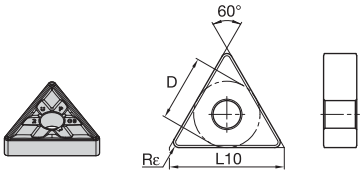


● first choice
○ alternate choice

		KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
P		●	●	●	●	●							●								●	●
M										●	●	●										
K							●	●	●													
N																				●		
S														●	●	●	●	●	●			
H																						

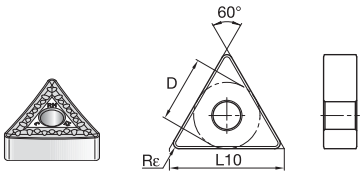
TNMG-UN

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
TNMG160408UN	9,53	16,50	0,8	–	–	–	–	–	–	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–
TNMG160412UN	9,53	16,50	1,2	–	–	–	–	–	●	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–
TNMG160416UN	9,53	16,50	1,6	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–
TNMG220408UN	12,70	22,00	0,8	–	–	–	–	–	–	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–
TNMG220412UN	12,70	22,00	1,2	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–
TNMG220416UN	12,70	22,00	1,6	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–



TNMG-UP

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
TNMG160408UP	9,53	16,50	0,8	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–
TNMG160412UP	9,53	16,50	1,2	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–
TNMG220408UP	12,70	22,00	0,8	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–



TNMM-RM

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
TNMM160408RM	9,53	16,50	0,8	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
TNMM220408RM	12,70	22,00	0,8	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
TNMM220412RM	12,70	22,00	1,2	–	–	●	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
TNMM220416RM	12,70	22,00	1,6	–	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

* For more information, please see the Innovations Master Catalogue Cutting Tools 2013.


C2–C71


C72–C109


C110–C115


C116–C147

beyond
B10–B23

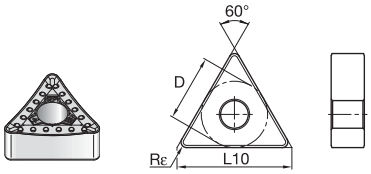

B24–B31


B32–B37

beyond DRIVE™

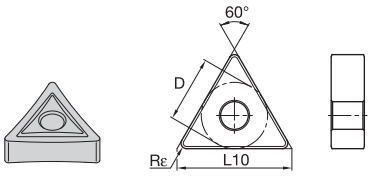
● first choice
○ alternate choice

		KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
P		●	●	●	●	●							●								●	●
M										●	●	●										
K							●	●	●													
N																				●		
S														●	●	●	●	●	●			
H																						



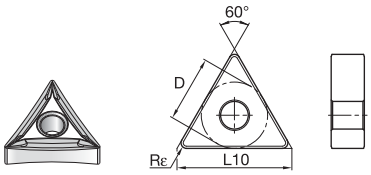
TNMM-RP

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
TNMM220408RP	12,70	22,00	0,8	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
TNMM220412RP	12,70	22,00	1,2	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–
TNMM270616RP	15,88	27,50	1,6	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–



TNMP

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
TNMP160404	9,53	16,50	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–
TNMP160408	9,53	16,50	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–
TNMP220416	12,70	22,00	1,6	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–



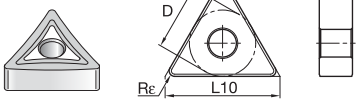
TNMP-K

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
TNMP160404K	9,53	16,50	0,4	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
TNMP160408K	9,53	16,50	0,8	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
TNMP220408K	12,70	22,00	0,8	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

beyond DRIVE™

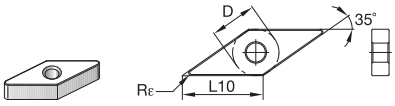
● first choice
○ alternate choice

		KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
P		●	●	●	●	●							●								●	●
M										●	●	●										
K							●	●	●													
N																				●		
S														●	●	●	●	●	●			
H																						



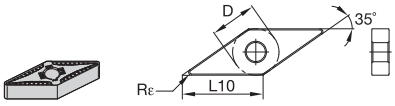
TNMS

ISO catalogue number	D	L10	Rε
TNMS160404	9,53	16,50	0,4
TNMS160408	9,53	16,50	0,8
TNMS220408	12,70	22,00	0,8



VNGA

ISO catalogue number	D	L10	Rε
VNGA160404	9,53	16,61	0,4
VNGA160408	9,53	16,61	0,8



VNGG-FS

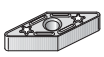
ISO catalogue number	D	L10	Rε
VNGG160401FS	9,53	16,61	0,1
VNGG160402FS	9,53	16,61	0,2
VNGG160404FS	9,53	16,61	0,4
VNGG160408FS	9,53	16,61	0,8
VNGG160412FS	9,53	16,61	1,2

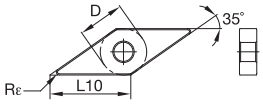
* For more information, please see the Innovations Master Catalogue Cutting Tools 2013.

C2–C71 | C72–C109 | C110–C115 | C116–C147 | B10–B23 | B24–B31 | B32–B37

beyond DRIVE™

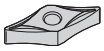
● first choice
○ alternate choice

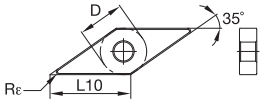




VNGG-LF

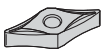
ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
VNGG160402LF	9,53	16,61	0,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–
VNGG160404LF	9,53	16,61	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–
VNGG160408LF	9,53	16,61	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	●	–	–	–	–
VNGG220408LF	12,70	22,14	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–

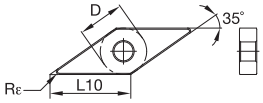




VNGP

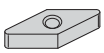
ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
VNGP160401	9,53	16,61	0,1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	●	–	–
VNGP160402	9,53	16,61	0,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	●	–	–
VNGP220404	12,70	22,14	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–
VNGP220408	12,70	22,14	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	●	–	–	–	–

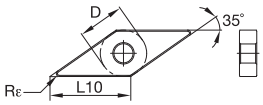




VNGP-K

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
VNGP160404K	9,53	16,61	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–
VNGP160408K	9,53	16,61	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–
VPGP443K	12,70	22,14	1,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–





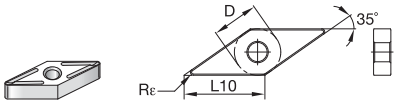
VNMA

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
VNMA160408	9,53	16,61	0,8	–	–	–	–	–	–	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–

beyond DRIVE™

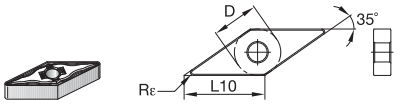
● first choice
○ alternate choice

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P		●	●	●	●	●							●								●	●
M										●	●	●										
K							●	●	●													
N																				●		
S														●	●	●	●	●	●			
H																						



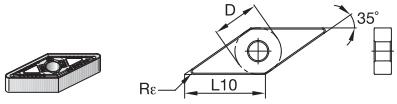
VNMG

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
VNMG160408	9,53	16,61	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–
VNMG160412	9,53	16,61	1,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–
VNMG220408	12,70	22,14	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–
VNMG220412	12,70	22,14	1,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–



VNMG-FF

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
VNMG160404FF	9,53	16,61	0,4	–	●	–	–	–	–	–	–	●	–	–	–	–	–	–	–	●	–	–	●	–
VNMG160408FF	9,53	16,61	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	●	–



VNMG-FN

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
VNMG160404FN	9,53	16,61	0,4	–	●	●	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	●	–
VNMG160408FN	9,53	16,61	0,8	●	–	–	–	–	●	●	–	–	–	–	–	–	–	–	–	–	–	–	●	–

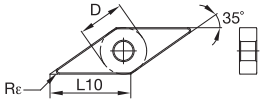
* For more information, please see the Innovations Master Catalogue Cutting Tools 2013.

C2–C71 | C72–C109 | C110–C115 | C116–C147 | B10–B23 | B24–B31 | B32–B37

beyond DRIVE™

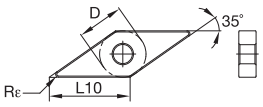
● first choice
○ alternate choice

		KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
P		●	●	●	●	●							●								●	●
M										●	●	●										
K							●	●	●													
N																				●		
S														●	●	●	●	●				
H																						

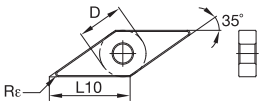
VNMG-FP

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
VNMG160404FP	9,53	16,61	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	●	–
VNMG160408FP	9,53	16,61	0,8	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	●	–

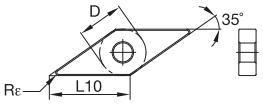
VNMG-MN

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
VNMG160404MN	9,53	16,61	0,4	–	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
VNMG160408MN	9,53	16,61	0,8	●	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

VNMG-MP

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
VNMG160404MP	9,53	16,61	0,4	–	–	–	–	–	–	–	–	●	●	–	–	–	–	–	–	●	–	–	–	–
VNMG160408MP	9,53	16,61	0,8	–	–	–	–	–	–	–	–	●	●	–	–	–	–	–	–	●	–	–	–	–
VNMG160412MP	9,53	16,61	1,2	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	●	–	–	–	–

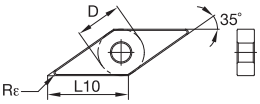
VNMG-MP1

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
VNMG160408MP1	9,53	16,61	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–

beyond DRIVE™

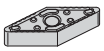
● first choice
○ alternate choice

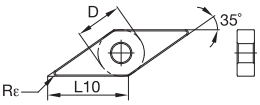




VNMG-MS

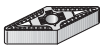
ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
P				●	●	●	●	●							●								●	●
M												●	●	●										
K									●	●	●													
N																						●		
S																●	●	●	●	●	●			
H																								
VNMG160401MS	9,53	16,61	0,1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	–	–	–
VNMG160402MS	9,53	16,61	0,2	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	●	●	–	–	–
VNMG160404MS	9,53	16,61	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	●	●	–	–	–
VNMG160408MS	9,53	16,61	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	●	●	–	–	–
VNMG220404MS	12,70	22,14	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	–	–	–
VNMG220408MS	12,70	22,14	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	–	–	–

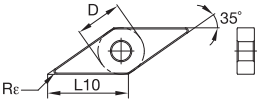




VNMG-P

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
VNMG160404P	9,53	16,61	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–
VNMG160408P	9,53	16,61	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	●	–	–	–	–





VNMG-RN

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
VNMG160408RN	9,53	16,61	0,8	–	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
VNMG160412RN	9,53	16,61	1,2	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
VNMG220408RN	12,70	22,14	0,8	–	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

* For more information, please see the Innovations Master Catalogue Cutting Tools 2013.


C2–C71


C72–C109


C110–C115


C116–C147

beyond
B10–B23

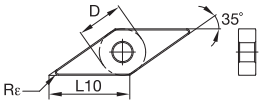

B24–B31


B32–B37

beyond DRIVE™

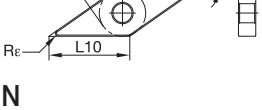
● first choice
○ alternate choice

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P		●	●	●	●	●							●								●	●
M										●	●	●										
K							●	●	●													
N																				●		
S														●	●	●	●	●	●			
H																						

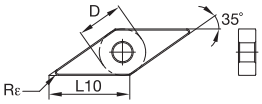
VNMG-RP

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
VNMG160408RP	9,53	16,61	0,8	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	●	●	–	–	–
VNMG160412RP	9,53	16,61	1,2	–	–	–	–	–	–	●	●	–	–	–	–	–	–	–	–	●	●	–	–	–
WNMG080412RP	12,70	8,69	1,2	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–

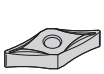
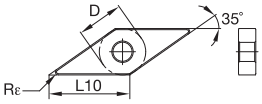
VNMG-UN

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
VNMG160404UN	9,53	16,61	0,4	–	–	–	–	–	–	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–
VNMG160408UN	9,53	16,61	0,8	–	–	–	–	–	●	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–

VNMG-UP

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
VNMG160404UP	9,53	16,61	0,4	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	●	–	–	–	–
VNMG160408UP	9,53	16,61	0,8	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	●	–	–	–	–

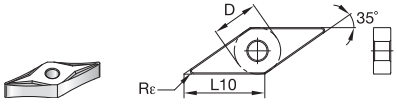
VNMP

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
VNMP160408	9,52	16,61	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	–	–	–	–	–	–
VNMP160404	9,53	16,61	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	–	–	–	–	–	–

beyond DRIVE™

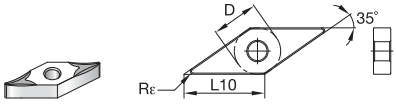
● first choice
○ alternate choice

		KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
P		●	●	●	●	●							●								●	●
M										●	●	●										
K							●	●	●													
N																				●		
S														●	●	●	●	●	●			
H																						



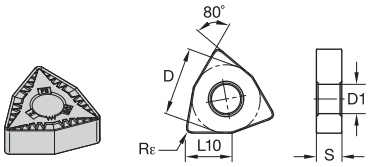
VNMP-K

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
VNMP160404K	9,53	16,61	0,4	–	●	●	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–
VNMP160408K	9,53	16,61	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–



VNMS

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
VNMS160404	9,53	16,61	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	●	–	–
VNMS160408	9,53	16,61	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	●	–	–



WNGG-FS

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
WNGG080404FS	12,70	8,69	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–
WNGG080408FS	12,70	8,69	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–

* For more information, please see the Innovations Master Catalogue Cutting Tools 2013.


C2–C71


C72–C109


C110–C115


C116–C147

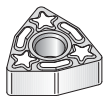
beyond
B10–B23

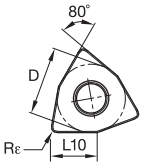

B24–B31

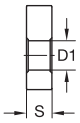

B32–B37

beyond DRIVE™

● first choice
○ alternate choice



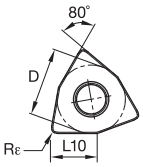


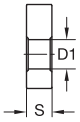


WNGG-LF

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
WNGG080401LF	12,70	8,69	0,1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–
WNGG080402LF	12,70	8,69	0,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–
WNGG080404LF	12,70	8,69	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–
WNGG080408LF	12,70	8,69	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–

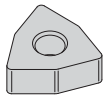


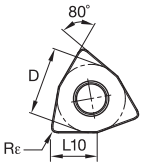


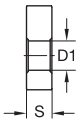


WNGP-K

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
WNGP080408K	12,70	8,69	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–



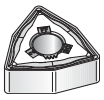


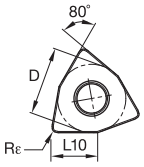


WNMA

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
WNMA060408	9,53	6,52	0,8	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–
WNMA060412	9,53	6,52	1,2	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–
WNMA080408	12,70	8,69	0,8	–	–	–	–	–	–	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–
WNMA080412	12,70	8,69	1,2	–	–	–	–	–	–	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–
WNMA080416	12,70	8,69	1,6	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–

beyond DRIVE™

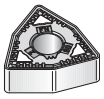


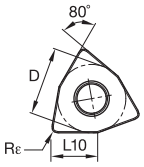


● first choice
○ alternate choice

WNMG-FF

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
WNMG060404FF	9,53	6,52	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	●	–
WNMG060408FF	9,53	6,52	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	●	–
WNMG080404FF	12,70	8,69	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–
WNMG080408FF	12,70	8,69	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–





WNMG-FN

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
WNMG060404FN	9,53	6,52	0,4	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	●	–
WNMG060408FN	9,53	6,52	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–
WNMG080404FN	12,70	8,69	0,4	–	●	●	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–
WNMG080408FN	12,70	8,69	0,8	●	●	●	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–

P	M	K	N	S	H	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
●						●	●	●	●	●							●								●	●
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* For more information, please see the Innovations Master Catalogue Cutting Tools 2013.

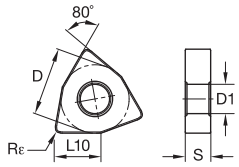
C2–C71 | C72–C109 | C110–C115 | C116–C147 | B10–B23 | B24–B31 | B32–B37

beyond DRIVE™

		KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
P		●	●	●	●	●							●								●	●
M										●	●	●										
K							●	●	●													
N																				●		
S														●	●	●	●	●	●			
H																						

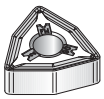
● first choice
○ alternate choice

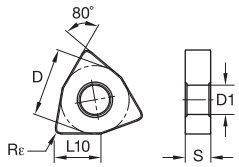




WNMG-FP

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
WNMG060404FP	9,53	6,52	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–
WNMG060408FP	9,53	6,52	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–
WNMG080404FP	12,70	8,69	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–
WNMG080408FP	12,70	8,69	0,8	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	●	–	–	–	–
WNMG080412FP	12,70	8,69	1,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–

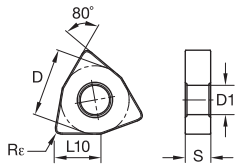




WNMG-FW

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
WNMG060404FW	9,53	6,52	0,4	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	●	–
WNMG060408FW	9,53	6,52	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	●	–
WNMG080404FW	12,70	8,69	0,4	●	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	●	–	–	●	–
WNMG080408FW	12,70	8,69	0,8	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	●	–
WNMG080412FW	12,70	8,69	1,2	–	●	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–



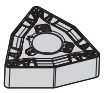


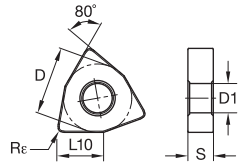
WNMG-MN

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
WNMG060404MN	9,53	6,52	0,4	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
WNMG060408MN	9,53	6,52	0,8	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
WNMG060412MN	9,53	6,52	1,2	–	–	–	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
WNMG080408MN	12,70	8,69	0,8	–	●	●	●	●	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–
WNMG080412MN	12,70	8,69	1,2	–	●	●	–	●	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–
WNMG080416MN	12,70	8,69	1,6	–	–	●	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–

beyond DRIVE™

● first choice
○ alternate choice

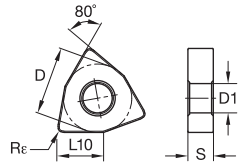




WNMG-MR

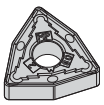
ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
				P	P	P	P	P	P	K	K	M	M	M	P	S	S	S	S	S	S	N	P	P
WNMG060408MR	9,52	6,52	0,8	–	●	●	–	–	–	–	–	●	●	–	–	–	–	–	–	●	–	–	–	–
WNMG080408MR	12,70	8,69	0,8	–	●	●	–	–	–	●	–	●	●	–	●	–	–	–	–	●	–	–	–	–
WNMG080412MR	12,70	8,69	1,2	–	●	●	–	–	–	–	–	●	●	–	●	–	–	–	–	–	–	–	–	–
WNMG080416MR	12,70	8,69	1,6	–	●	●	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–

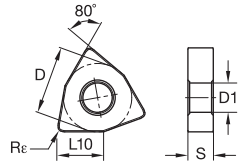




WNMG-MP

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
				P	P	P	P	P	P	K	K	M	M	M	P	S	S	S	S	S	S	N	P	P
WNMG060404MP	9,53	6,52	0,4	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	●	–	–	–	–
WNMG060408MP	9,53	6,52	0,8	–	–	–	–	–	–	–	–	–	●	●	–	–	–	–	–	●	–	–	–	–
WNMG080408MP	12,70	8,69	0,8	–	–	–	–	–	–	–	–	●	●	●	–	–	–	–	–	●	–	–	–	–
WNMG080412MP	12,70	8,69	1,2	–	–	–	–	–	–	–	–	–	●	●	–	–	–	–	–	●	–	–	–	–





WNMG-MP1

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
				P	P	P	P	P	P	K	K	M	M	M	P	S	S	S	S	S	S	N	P	P
WNMG080408MP1	12,70	8,69	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–

* For more information, please see the Innovations Master Catalogue Cutting Tools 2013.


C2–C71


C72–C109


C110–C115


C116–C147

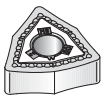
beyond
B10–B23

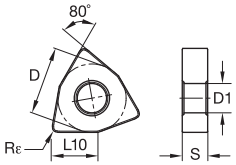

B24–B31


B32–B37

beyond DRIVE™

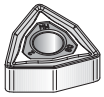
● first choice
○ alternate choice

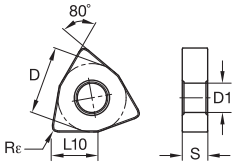




WNMG-MS

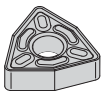
ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
P				●	●	●	●	●							●								●	●
M												●	●	●										
K									●	●	●													
N																						●		
S																●	●	●	●	●	●			
H																								
WNMG060408MS	9,53	6,52	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	●	●	–	–	–
WNMG080401MS	12,70	8,69	0,1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–
WNMG080402MS	12,70	8,69	0,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	–	–	–
WNMG080404MS	12,70	8,69	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	●	●	–	–	–
WNMG080408MS	12,70	8,69	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	●	●	–	–	–

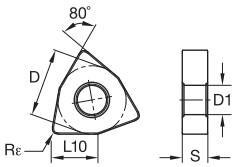




WNMG-MW

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
WNMG080408MW	12,70	8,69	0,8	–	●	●	–	–	–	●	–	●	–	–	●	–	–	–	–	–	–	–	–	–
WNMG080412MW	12,70	8,69	1,2	–	●	●	–	–	–	–	–	●	–	–	●	–	–	–	–	–	–	–	–	–

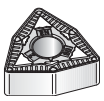


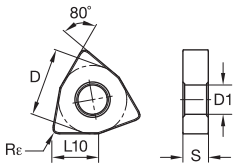


WNMG-P

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
WNMG080404P	12,70	8,69	0,4	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	●	–	–	–	–
WNMG080408MP	12,70	8,69	0,8	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
WNMG080408P	12,70	8,69	0,8	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	●	–	–	–	–

beyond DRIVE™

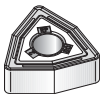


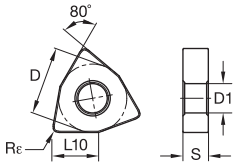


● first choice
○ alternate choice

WNMG-RN

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
WNMG060408RN	9,53	6,52	0,8	–	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
WNMG080408RN	12,70	8,69	0,8	–	●	●	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
WNMG080412RN	12,70	8,69	1,2	●	●	●	●	●	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–
WNMG080416RN	12,70	8,69	1,6	–	●	●	–	●	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–





WNMG-RP

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
WNMG060408RP	9,53	6,52	0,8	–	●	–	–	–	–	–	●	–	–	–	–	–	–	–	–	●	●	–	–	–
WNMG060412RP	9,53	6,52	1,2	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–
WNMG080408RP	12,70	8,69	0,8	–	●	●	●	●	●	●	●	●	●	●	●	–	–	–	–	●	●	–	–	–
WNMG080412RP	12,70	8,69	1,2	–	●	●	–	–	–	–	●	–	●	●	●	–	–	–	–	●	●	–	–	–
WNMG080416RP	12,70	8,69	1,6	–	●	●	–	–	–	–	●	–	–	–	–	–	–	–	–	●	●	–	–	–

* For more information, please see the Innovations Master Catalogue Cutting Tools 2013.


C2–C71


C72–C109


C110–C115

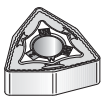

C116–C147

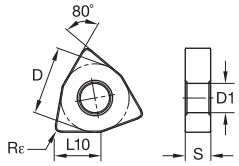
beyond
B10–B23


B24–B31


B32–B37

beyond DRIVE™





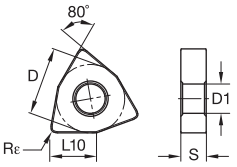
● first choice
○ alternate choice

		KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
P		●	●	●	●	●							●								●	●
M										●	●	●										
K							●	●	●													
N																				●		
S														●	●	●	●	●	●			
H																						

WNMG-UN

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
WNMG060408UN	9,53	6,52	0,8	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–
WNMG060412UN	9,53	6,52	1,2	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–
WNMG080404UN	12,70	8,69	0,4	–	–	–	–	–	●	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–
WNMG080408UN	12,70	8,69	0,8	–	–	–	–	–	●	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–
WNMG080412UN	12,70	8,69	1,2	–	–	–	–	–	–	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–
WNMG080416UN	12,70	8,69	1,6	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–





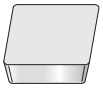
WNMG-UP

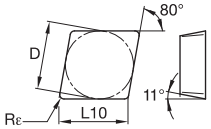
ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
WNMG060408UP	9,53	6,52	0,8	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–
WNMG080408UP	12,70	8,69	0,8	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	●	–	–	–	–
WNMG080412UP	12,70	8,69	1,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–

beyond DRIVE™

● first choice
○ alternate choice

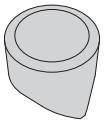
		KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
P		●	●	●	●	●							●								●	●
M										●	●	●										
K							●	●	●													
N																				●		
S														●	●	●	●	●	●			
H																						

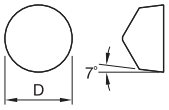




CPGN

ISO catalogue number	D	L10	Rε
CPGN120304	12,70	12,90	0,4
CPGN120308	12,70	12,90	0,8

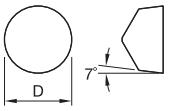




RCGV

ISO catalogue number	D	L10	Rε
RCGV060400	6,35	–	–
RCGV090700	9,53	–	–
RCGV120700	12,70	–	–





RCGV-MP

ISO catalogue number	D	L10	Rε
RCGX060400MP	6,35	–	–
RCGX090700MP	9,53	–	–
RCGX120700MP	12,70	–	–

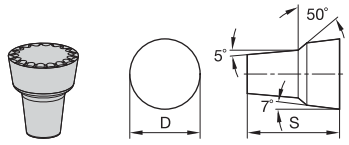
* For more information, please see the Innovations Master Catalogue Cutting Tools 2013.

C2–C71 | C72–C109 | C110–C115 | C116–C147 | B10–B23 | B24–B31 | B32–B37

beyond DRIVE™

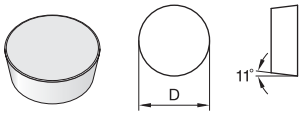
● first choice
○ alternate choice

		KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
P		●	●	●	●	●							●								●	●
M										●	●	●										
K							●	●	●													
N																				●		
S														●	●	●	●	●	●			
H																						



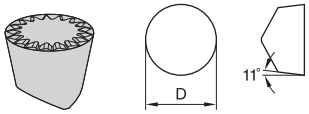
RCMK-MP

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
RCMK040300MP	4,76	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–
RCMK060400MP	6,35	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–
RCMK090700MP	9,53	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–



RPGN

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
RPGN120300	12,70	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–



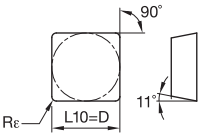
RPGV-MP

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
RPGX060400MP	6,35	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–
RPGX090700MP	9,53	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–
RPGX120700MP	12,70	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–

beyond DRIVE™

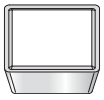
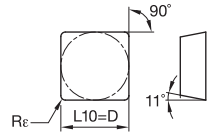
● first choice
○ alternate choice

		KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
P		●	●	●	●	●							●								●	●
M										●	●	●										
K							●	●	●													
N																				●		
S														●	●	●	●	●	●			
H																						

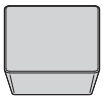
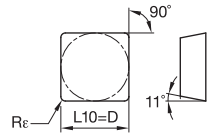
SPGN

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
SPGN090304	9,53	9,53	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	●	–	–	–	–
SPGN090308	9,53	9,53	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	–	●	–	–	–	–
SPGN090312	9,53	9,53	1,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	●	–	–	–	–
SPGN120304	12,70	12,70	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	●	–	–	–	–
SPGN120308	12,70	12,70	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	–	●	–	–	–	–
SPGN120312	12,70	12,70	1,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	●	–	–	–	–
SPGN120412	12,70	12,70	1,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–
SPGN120316	12,70	12,70	1,6	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–
SPGN190408	19,05	19,05	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–
SPGN190412	19,05	19,05	1,2	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	●	–	–	–	–

SPGR–K

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
SPGR090308K	9,53	9,53	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–

SPUN

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
SPUN120304	12,70	12,70	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–
SPUN120308	12,70	12,70	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–

* For more information, please see the Innovations Master Catalogue Cutting Tools 2013.


C2–C71


C72–C109


C110–C115


C116–C147

beyond
B10–B23

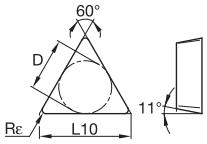

B24–B31


B32–B37

beyond DRIVE™

● first choice
○ alternate choice



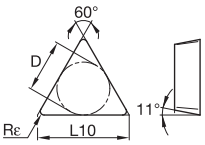


TPGN

	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
P	●	●	●	●	●							●								●	●
M									●	●	●										
K						●	●	●													
N																			●		
S													●	●	●	●	●	●			
H																					

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
TPGN110304	6,35	11,00	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	–	●	–	–	–	–
TPGN110308	6,35	11,00	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	–	●	–	–	–	–
TPGN160302	9,53	16,50	0,2	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	–	●	–	–	–	–
TPGN160304	9,53	16,50	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	–	●	–	–	–	–
TPGN160308	9,53	16,50	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	–	●	–	–	–	–
TPGN160312	9,53	16,50	1,2	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	●	–	–	–	–
TPGN160316	9,53	16,50	1,6	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	–	●	–	–	–	–
TPGN220404	12,70	22,00	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	–	●	–	–	–	–
TPGN220408	12,70	22,00	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	–	●	–	–	–	–
TPGN220412	12,70	22,00	1,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	●	–	–	–	–
TPGN220416	12,70	22,00	1,6	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	●	–	–	–	–





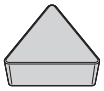
TPGR–K

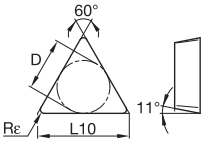
ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
TPGR110304K	6,35	11,00	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–
TPGR110308K	6,35	11,00	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–
TPGR160304K	9,53	16,50	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–
TPGR160308K	9,53	16,50	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–
TPGR220404K	12,70	22,00	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–
TPGR220408K	12,70	22,00	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–

beyond DRIVE™

● first choice
○ alternate choice

		KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
P		●	●	●	●	●							●								●	●
M										●	●	●										
K							●	●	●													
N																				●		
S														●	●	●	●	●	●			
H																						

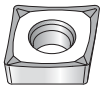


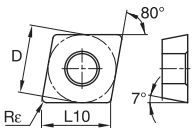


TPUN

ISO catalogue number	D	L10	Rε
TPUN110304	6,35	11,00	0,4
TPUN110308	6,35	11,00	0,8
TPUN160304	9,53	16,50	0,4
TPUN160308	9,53	16,50	0,8
TPUN220408	12,70	22,00	0,8
TPUN220412	12,70	22,00	1,2

ISO catalogue number	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
TPUN110304	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–
TPUN110308	–	–	–	–	–	–	●	–	–	–	–	–	–	–	●	–	–	–	–	–	–
TPUN160304	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–
TPUN160308	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–
TPUN220408	–	–	–	–	–	–	●	–	–	–	–	–	–	–	●	–	–	–	–	–	–
TPUN220412	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–





CCGT-HP

ISO catalogue number	D	L10	Rε
CCGT060202HP	6,35	6,45	0,2
CCGT060204HP	6,35	6,45	0,4
CCGT060208HP	6,35	6,45	0,8
CCGT09T302HP	9,53	9,67	0,2
CCGT09T304HP	9,53	9,67	0,4
CCGT09T308HP	9,53	9,67	0,8
CCGT120402HP	12,70	12,90	0,2
CCGT120404HP	12,70	12,90	0,4
CCGT120408HP	12,70	12,90	0,8

ISO catalogue number	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
CCGT060202HP	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	●	●	●	–	–
CCGT060204HP	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	●	●	●	–	–
CCGT060208HP	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	●	–	–
CCGT09T302HP	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	●	●	●	–	–
CCGT09T304HP	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	●	●	●	–	–
CCGT09T308HP	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	●	–	–
CCGT120402HP	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	–	–	–
CCGT120404HP	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	●	●	●	–	–
CCGT120408HP	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	●	●	●	–	–

* For more information, please see the Innovations Master Catalogue Cutting Tools 2013.


C2–C71


C72–C109


C110–C115


C116–C147

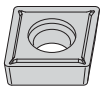
beyond
B10–B23

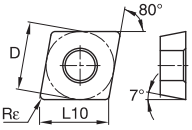

B24–B31


B32–B37

beyond DRIVE™

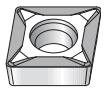
● first choice
○ alternate choice

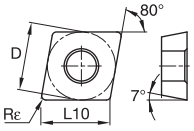




CCGT-LF

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
P				●	●	●	●	●							●								●	●
M												●	●	●										
K									●	●	●													
N																						●		
S																●	●	●	●	●	●			
H																								
CCGT060201LF	6,35	6,45	0,1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–
CCGT060202LF	6,35	6,45	0,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–
CCGT060204LF	6,35	6,45	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–
CCGT060208LF	6,35	6,45	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–
CCGT09T301LF	9,53	9,67	0,1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–
CCGT09T302LF	9,53	9,67	0,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–
CCGT09T304LF	9,53	9,67	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	●	–	–
CCGT09T308LF	9,53	9,67	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	●	–	–	–	–



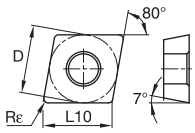


CCMT-11

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
CCMT06020411	6,35	6,45	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–
CCMT09T30411	9,53	9,67	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–
CCMT09T30811	9,53	9,67	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–

Indexable Inserts for S-clamping.



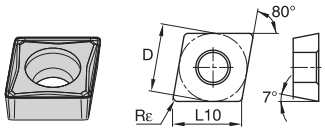


CCMT-FP

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
CCMT060202FP	6,35	6,45	0,2	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	●	●	–	–	●
CCMT060204FP	6,35	6,45	0,4	–	●	●	–	–	–	–	–	●	●	–	–	–	–	–	–	●	●	–	–	●
CCMT060208FP	6,35	6,45	0,8	–	●	●	–	–	–	–	–	–	●	–	–	–	–	–	–	●	●	–	–	●
CCMT09T302FP	9,53	9,67	0,2	–	–	●	–	–	–	–	–	–	●	–	–	●	–	–	–	●	●	–	–	●
CCMT09T304FP	9,53	9,67	0,4	–	●	●	–	–	–	–	–	●	●	–	–	–	–	–	–	●	●	–	–	●
CCMT09T308FP	9,53	9,67	0,8	–	●	●	–	–	–	–	●	●	●	–	–	–	–	–	–	●	●	–	–	●
CCMT120404FP	12,70	12,90	0,4	–	●	●	–	–	–	–	●	–	●	–	–	–	–	–	–	●	●	–	–	–
CCMT120408FP	12,70	12,90	0,8	–	●	●	–	–	–	–	–	●	–	–	–	–	–	–	–	●	●	–	–	–

beyond DRIVE™

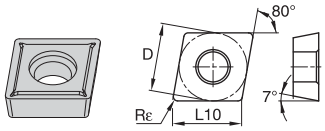
● first choice
○ alternate choice



CCMT-FW

	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
P	●	●	●	●	●							●								●	●
M									●	●	●										
K						●	●	●													
N																			●		
S													●	●	●	●	●	●			
H																					

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
CCMT060202FW	6,35	6,45	0,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	●	–
CCMT060204FW	6,35	6,45	0,4	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	●	–	–	●	–
CCMT060208FW	6,35	6,45	0,8	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	●	–	–	●	–
CCMT09T304FW	9,53	9,67	0,4	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	●	–	–	●	–
CCMT09T308FW	9,53	9,67	0,8	–	–	–	–	–	–	–	●	●	–	–	–	–	–	–	–	●	–	–	●	–



CCMT-LF

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
CCMT060202LF	6,35	6,45	0,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–
CCMT060204LF	6,35	6,45	0,4	–	●	●	–	–	●	●	●	●	●	–	–	–	●	–	–	–	–	–	●	–
CCMT060208LF	6,35	6,45	0,8	–	–	●	–	–	●	●	●	●	●	–	–	–	–	–	–	–	–	–	●	–
CCMT09T302LF	9,53	9,67	0,2	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–
CCMT09T302LF	9,53	9,67	0,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–
CCMT09T304LF	9,53	9,67	0,4	●	●	●	●	–	–	●	●	●	●	–	–	–	●	●	–	–	–	–	●	–
CCMT09T308LF	9,53	9,67	0,8	●	●	●	–	–	●	●	●	●	●	–	–	–	●	–	–	–	–	–	●	–
CCMT120404LF	12,70	12,90	0,4	–	–	●	–	–	–	●	●	●	●	–	–	–	–	–	–	–	–	–	–	–
CCMT120408LF	12,70	12,90	0,8	–	●	●	●	–	–	●	●	●	●	–	–	–	–	–	–	–	–	–	–	–
CCMT120412LF	12,70	12,90	1,2	–	–	●	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–

* For more information, please see the Innovations Master Catalogue Cutting Tools 2013.


C2–C71


C72–C109


C110–C115


C116–C147

beyond
B10–B23

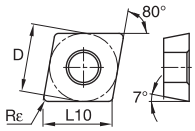

B24–B31


B32–B37

beyond DRIVE™

● first choice
○ alternate choice

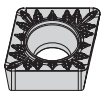


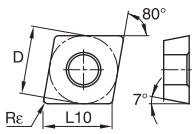


CCMT-MF

	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
P	●	●	●	●	●							●								●	●
M									●	●	●										
K						●	●	●													
N																			●		
S													●	●	●	●	●	●			
H																					

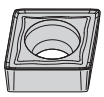
ISO catalogue number	D	L10	Rε																			
CCMT060204MF	6,35	6,45	0,4	–	●	●	–	–	–	–	●	●	●	–	–	–	–	–	–	–	–	–
CCMT09T304MF	9,53	9,67	0,4	–	●	●	–	–	–	●	●	●	●	●	–	–	–	–	–	–	–	–
CCMT09T308MF	9,53	9,67	0,8	–	●	●	–	–	–	●	●	●	●	–	–	–	–	–	–	–	–	–
CCMT3252MF	9,53	9,67	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–
CCMT09T312MF	9,53	9,67	1,2	–	●	●	–	–	–	–	●	–	●	–	–	–	–	–	–	–	–	–
CCMT120408MF	12,70	12,90	0,8	–	●	●	–	–	–	●	●	●	●	–	–	–	–	–	–	–	–	–
CCMT120412MF	12,70	12,90	1,2	–	–	●	–	–	–	●	●	–	–	–	–	–	–	–	–	–	–	–

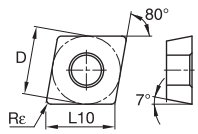




CCMT-MP

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
CCMT060204MP	6,35	6,45	0,4	–	–	–	–	–	–	–	●	●	●	–	–	–	–	–	–	●	–	–	–	–
CCMT09T304MP	9,53	9,67	0,4	–	–	–	–	–	–	–	●	●	●	–	–	–	–	–	–	●	–	–	–	–
CCMT09T308MP	9,53	9,67	0,8	–	–	–	–	–	–	–	●	●	●	–	–	–	–	–	–	●	–	–	–	–
CCMT120408MP	12,70	12,90	0,8	–	–	–	–	–	–	–	●	●	●	–	–	–	–	–	–	●	–	–	–	–
CCMT120412MP	12,70	12,90	1,2	–	–	–	–	–	–	–	●	–	●	–	–	–	–	–	–	–	–	–	–	–





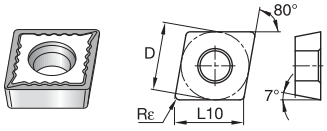
CCMT-MW

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
CCMT09T304MW	9,53	9,67	0,4	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	●	–	–	●	–
CCMT09T308MW	9,53	9,67	0,8	–	–	–	–	–	–	–	●	●	–	–	–	–	–	–	–	●	–	–	●	–
CCMT120404MW	12,70	12,90	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–
CCMT120408MW	12,70	12,90	0,8	–	–	–	–	–	–	–	●	●	–	–	–	–	–	–	–	●	–	–	–	–

beyond DRIVE™

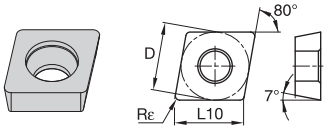
● first choice
○ alternate choice

		KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
P		●	●	●	●	●							●								●	●
M										●	●	●										
K							●	●	●													
N																				●		
S														●	●	●	●	●	●			
H																						



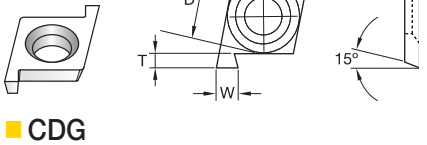
CCMT-UF

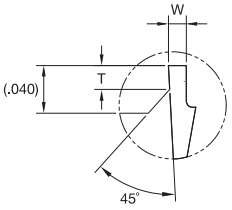
ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
CCMT060204UF	6,35	6,45	0,4	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
CCMT09T304UF	9,53	9,67	0,4	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
CCMT09T308UF	9,53	9,67	0,8	–	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–



CCMW

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
CCMW060204	6,35	6,45	0,4	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–
CCMW09T304	9,53	9,67	0,4	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–
CCMW09T308	9,53	9,67	0,8	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–
CCMW120408	12,70	12,90	0,8	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–
CCMW120412	12,70	12,90	1,2	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–





Detail of 0,38mm (0.015") insert.

CDG

ISO catalogue number	D	T	W	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
CDG127076R	3,96	1,02	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–
CDG127102R	3,96	1,02	1,0	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–

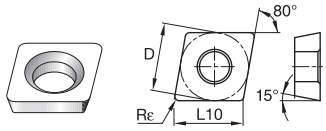
* For more information, please see the Innovations Master Catalogue Cutting Tools 2013.

C2–C71 | C72–C109 | C110–C115 | C116–C147 | B10–B23 | B24–B31 | B32–B37

beyond DRIVE™

● first choice
○ alternate choice

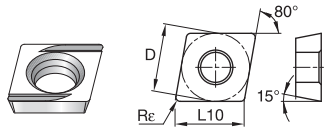
		KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
P		●	●	●	●	●							●								●	●
M										●	●	●										
K							●	●	●													
N																				●		
S														●	●	●	●	●	●			
H																						



CDHB

ISO catalogue number	D	L10	Rε
CDHBS4T0S0	3,97	4,03	0,1
CDHBS4T0X0	3,97	4,03	0,1
CDHBS4T002	3,97	4,03	0,2
CDHBS4T004	3,97	4,03	0,4

CDHBS4T0S0	3,97	4,03	0,1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–
CDHBS4T0X0	3,97	4,03	0,1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–
CDHBS4T002	3,97	4,03	0,2	–	–	–	–	–	–	–	–	–	–	–	●	–	–	●	●	–	●	–
CDHBS4T004	3,97	4,03	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	–	●	–

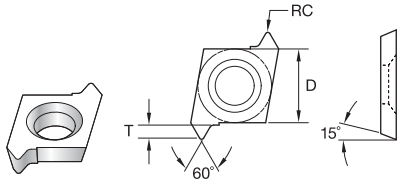


CDHH

ISO catalogue number	D	L10	Rε
CDHHS4T002L	3,97	4,03	0,2
CDHHS4T002R	3,97	4,03	0,2
CDHHS4T004L	3,97	4,03	0,4
CDHHS4T004R	3,97	4,03	0,4

CDHHS4T002L	3,97	4,03	0,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	–	●	–
CDHHS4T002R	3,97	4,03	0,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	–	●	–
CDHHS4T004L	3,97	4,03	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	–	–	–
CDHHS4T004R	3,97	4,03	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	–	–	–

NOTE: Right-hand insert uses left-hand bars. Left-hand insert uses right-hand bars.



CDT

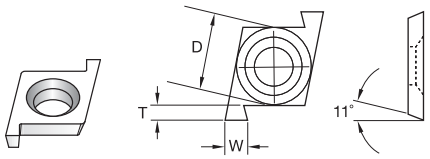
ISO catalogue number	D	T	RC
CDT127005R	3,96	0,64	0,1

CDT127005R	3,96	0,64	0,1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–

beyond DRIVE™

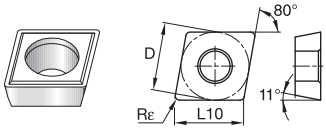
● first choice
○ alternate choice

		KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
P		●	●	●	●	●							●								●	●
M										●	●	●										
K							●	●	●													
N																				●		
S														●	●	●	●	●	●			
H																						



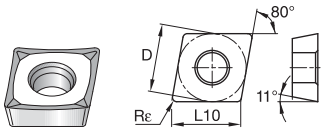
CPG

ISO catalogue number	D	T	W	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
CPG190150L	6,35	1,65	1,5	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–
CPG190150R	6,35	1,65	1,5	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–



CPGH (T)

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
CPGT060202K	6,35	6,45	0,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–
CPGT060204K	6,35	6,45	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	–	–	–	–	–	–
CPGH09T301	9,53	9,67	0,1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	–	●	–
CPGH09T302	9,53	9,67	0,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	●	●	–	–	–
CPGH09T304	9,53	9,67	0,4	–	●	–	–	–	–	–	–	●	●	–	–	–	●	●	–	●	●	–	●	–
CPGH09T308	9,53	9,67	0,8	–	●	●	–	–	–	●	–	●	●	–	–	–	●	●	–	●	●	–	–	–



CPGT-HP

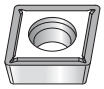
ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
CPGT060202HP	6,35	6,45	0,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	●	–	–
CPGT060204HP	6,35	6,45	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	●	–	–
CPGT060208HP	6,35	6,45	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	●	–	–
CPGT09T302HP	9,53	9,67	0,2	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	●	●	●	–	–
CPGT09T304HP	9,53	9,67	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	●	●	●	–	–
CPGT09T308HP	9,53	9,67	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	●	–	–

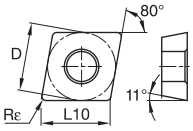
* For more information, please see the Innovations Master Catalogue Cutting Tools 2013.

C2–C71 | C72–C109 | C110–C115 | C116–C147 | B10–B23 | B24–B31 | B32–B37

beyond DRIVE™

● first choice
○ alternate choice

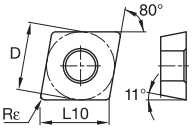




CPGT-LF

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
P				●	●	●	●	●							●								●	●
M												●	●	●										
K									●	●	●													
N																						●		
S																●	●	●	●	●	●			
H																								
CPGT060201LF	6,35	6,45	0,1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	●	–	–
CPGT060202LF	6,35	6,45	0,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–
CPGT060204LF	6,35	6,45	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	●	–	–
CPGT060208LF	6,35	6,45	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–
CPGT09T302LF	9,53	9,67	0,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–
CPGT09T304LF	9,53	9,67	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	●	–	–
CPGT09T308LF	9,53	9,67	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–



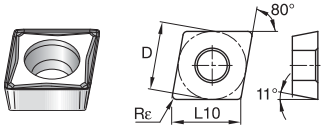


CPMT-FP

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
CPMT050202FP	5,56	5,65	0,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	–	–	–
CPMT050204FP	5,56	5,65	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	–	–	–
CPMT060202FP	6,35	6,45	0,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	–	–	●
CPMT060204FP	6,35	6,45	0,4	–	–	●	–	–	–	–	●	–	–	–	–	●	–	–	–	●	●	–	–	●
CPMT060208FP	6,35	6,45	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	–	–	●
CPMT09T302FP	9,53	9,67	0,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	–	–	●
CPMT09T304FP	9,53	9,67	0,4	–	–	●	–	–	–	–	●	–	–	–	–	●	–	–	–	●	●	–	–	●
CPMT09T308FP	9,53	9,67	0,8	–	●	●	–	–	–	–	–	–	–	–	–	●	–	–	–	●	●	–	–	●

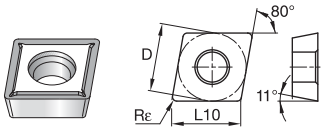
beyond DRIVE™

● first choice
○ alternate choice



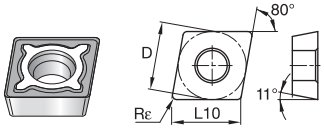
CPMT-FW

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
P				●	●	●	●	●							●								●	●
M												●	●	●										
K									●	●	●													
N																						●		
S																●	●	●	●	●	●			
H																								
CPMT060202FW	6,35	6,45	0,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	●	–
CPMT060204FW	6,35	6,45	0,4	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	●	–	–	●	–
CPMT060208FW	6,35	6,45	0,8	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	●	–	–	●	–
CPMT09T304FW	9,53	9,67	0,4	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	●	–	–	●	–
CPMT09T308FW	9,53	9,67	0,8	–	–	–	–	–	–	●	●	–	–	–	–	–	–	–	–	●	–	–	●	–



CPMT-LF

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
CPMT050204LF	5,56	5,65	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–
CPMT060204LF	6,35	6,45	0,4	–	●	●	–	–	–	●	●	–	●	–	–	–	●	●	–	–	–	–	●	–
CPMT060208LF	6,35	6,45	0,8	–	–	●	–	–	–	–	●	–	–	–	–	–	●	–	–	–	–	–	●	–
CPMT09T308LF	9,52	9,67	0,8	–	●	●	–	–	–	●	●	–	●	–	–	–	–	●	–	–	–	–	●	–
CPMT09T302LF	9,53	9,67	0,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–
CPMT09T304LF	9,53	9,67	0,4	–	●	●	–	–	–	●	●	●	●	–	–	–	–	–	–	–	–	–	●	–



CPMT-MF

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
CPMT060208MF	6,35	6,45	0,8	–	–	●	–	–	–	–	●	●	●	–	–	–	–	–	–	–	–	–	–	–
CPMT09T308MF	9,53	9,67	0,8	–	●	●	–	–	–	●	●	●	●	–	–	–	–	–	–	–	–	–	–	–
CPMT09T312MF	9,53	9,67	1,2	–	–	–	–	–	–	●	–	–	●	–	–	–	–	–	–	–	–	–	–	–

* For more information, please see the Innovations Master Catalogue Cutting Tools 2013.


C2–C71


C72–C109


C110–C115


C116–C147

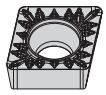
beyond
B10–B23

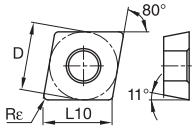

B24–B31


B32–B37

beyond DRIVE™

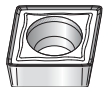
● first choice
○ alternate choice

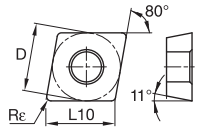




CPMT-MP

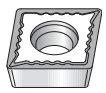
ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
P				●	●	●	●	●							●								●	●
M												●	●	●										
K									●	●	●													
N																						●		
S																●	●	●	●	●	●			
H																								
CPMT060208MP	6,35	6,45	0,8	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–
CPMT09T308MP	9,53	9,67	0,8	–	–	●	–	–	–	–	●	–	●	–	–	–	–	–	–	●	–	–	–	–

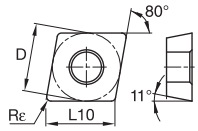




CPMT-MW

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
CPMT09T304MW	9,53	9,67	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–
CPMT09T308MW	9,53	9,67	0,8	–	–	–	–	–	–	–	●	●	–	–	–	–	–	–	–	●	–	–	●	–

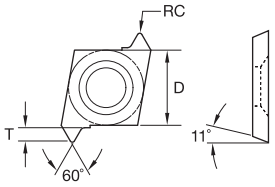




CPMT-UF

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
CPMT060204UF	6,35	6,45	0,4	–	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
CPMT09T304UF	9,53	9,67	0,4	–	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–





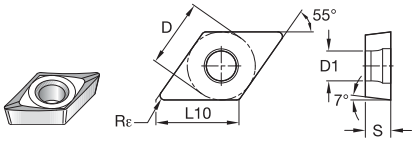
CPT

ISO catalogue number	D	T	RC	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
CPT190013L	6,35	1,65	0,1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–
CPT190013R	6,35	1,65	0,1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–

beyond DRIVE™

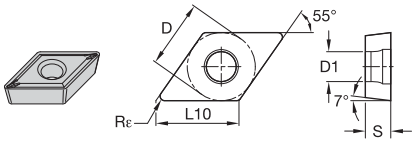
● first choice
○ alternate choice

		KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
P		●	●	●	●	●							●								●	●
M										●	●	●										
K							●	●	●													
N																				●		
S														●	●	●	●	●	●			
H																						



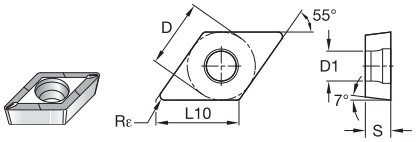
DCGT-HP

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
DCGT070202HP	6,35	7,75	0,2	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	●	●	●	–	–
DCGT070204HP	6,35	7,75	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	●	●	●	–	–
DCGT070208HP	6,35	7,75	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	●	–	–
DCGT11T302HP	9,53	11,63	0,2	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	●	●	●	–	–
DCGT11T304HP	9,53	11,63	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	●	●	●	–	–
DCGT11T308HP	9,53	11,63	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	●	●	●	–	–



DCGT-LF

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
DCGT070201LF	6,35	7,75	0,1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–
DCGT11T301LF	9,53	11,63	0,1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–
DCGT150408LF	12,70	15,50	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–



DCMT-11

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
DCMT07020211	6,35	7,75	0,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–
DCMT07020411	6,35	7,75	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–
DCMT11T30411	9,53	11,63	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–
DCMT11T30811	9,53	11,63	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–

* For more information, please see the Innovations Master Catalogue Cutting Tools 2013.


C2–C71


C72–C109


C110–C115


C116–C147

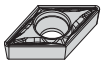
beyond
B10–B23

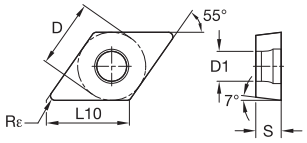

B24–B31


B32–B37

beyond DRIVE™

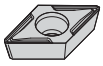
● first choice
○ alternate choice

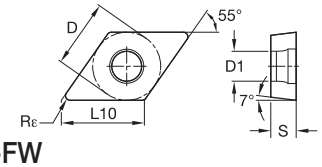




DCMT-FP

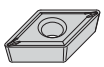
ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
P				●	●	●	●	●							●								●	●
M												●	●	●										
K									●	●	●													
N																						●		
S																●	●	●	●	●	●			
H																								
DCMT070202FP	6,35	7,75	0,2	–	–	●	–	–	–	–	–	–	–	–	–	●	–	–	–	●	●	–	–	●
DCMT070204FP	6,35	7,75	0,4	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	●	●	–	–	●
DCMT070208FP	6,35	7,75	0,8	–	–	●	–	–	–	–	–	●	–	–	–	–	–	–	–	●	–	–	–	–
DCMT11T302FP	9,53	11,63	0,2	–	●	●	–	–	–	–	–	●	–	–	–	–	–	–	–	●	●	–	–	●
DCMT11T304FP	9,53	11,63	0,4	–	●	●	–	–	–	–	–	●	–	–	–	–	–	–	–	●	●	–	–	●
DCMT11T308FP	9,53	11,63	0,8	–	●	–	–	–	–	–	●	●	–	–	–	–	–	–	–	●	●	–	–	●
DCMT11T312FP	9,53	11,63	1,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–
DCMT150404FP	12,70	15,50	0,4	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–
DCMT150408FP	12,70	15,50	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–

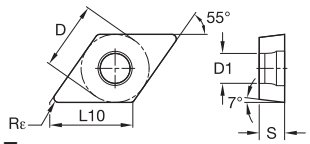




DCMT-FW

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
DCMT11T304FW	9,53	11,63	0,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–
DCMT11T308FW	9,53	11,63	0,8	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	●	–	–	●	–



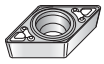


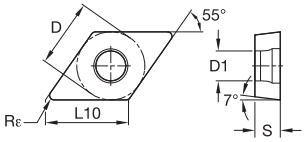
DCMT-LF

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
DCMT070202LF	6,35	7,75	0,2	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–
DCMT070204LF	6,35	7,75	0,4	–	●	●	–	–	–	●	●	●	●	–	–	–	●	–	–	–	–	–	●	–
DCMT11T302LF	9,53	11,63	0,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–
DCMT11T304LF	9,53	11,63	0,4	–	●	●	–	–	–	●	●	●	●	●	–	–	●	–	–	–	–	–	●	–
DCMT11T308LF	9,53	11,63	0,8	–	●	●	–	–	●	●	●	●	●	●	–	–	●	–	–	●	–	–	●	–
DCMT11T312LF	9,53	11,63	1,2	–	●	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–
DCMT150404LF	12,70	15,50	0,4	–	–	●	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–
DCMT150408LF	12,70	15,50	0,8	–	–	●	–	–	●	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–

beyond DRIVE™

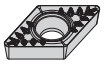
● first choice
○ alternate choice

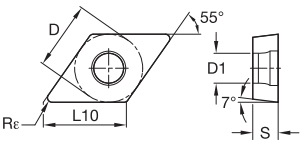




DCMT-MF

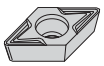
ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
				P ●	P ●	P ●	P ●	P ●	K ●	K ●	K ●	M ●	M ●	M ●	P ●	S ●	S ●	S ●	S ●	S ●	S ●	N ●	P ●	P ●
DCMT11T304MF	9,53	11,63	0,4	–	●	●	–	–	–	–	●	–	●	–	–	–	–	–	–	–	–	–	–	–
DCMT11T308MF	9,53	11,63	0,8	–	●	●	–	–	–	●	●	●	–	–	–	–	–	–	–	–	–	–	–	–
DCMT11T312MF	9,53	11,63	1,2	–	●	●	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–

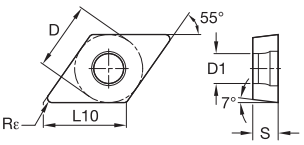




DCMT-MP

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
DCMT11T304MP	9,53	11,63	0,4	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	●	–	–	–	–
DCMT11T308MP	9,53	11,63	0,8	–	–	–	–	–	–	–	●	–	●	–	–	–	–	–	–	●	–	–	–	–
DCMT11T312MP	9,53	11,63	1,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–





DCMT-MW

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
DCMT11T304MW	9,52	11,63	0,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–
DCMT11T308MW	9,53	11,63	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–

* For more information, please see the Innovations Master Catalogue Cutting Tools 2013.


C2–C71


C72–C109


C110–C115


C116–C147

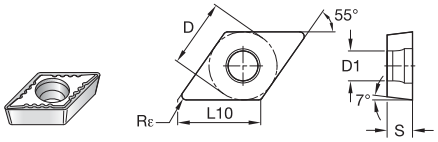
beyond
B10–B23


B24–B31


B32–B37

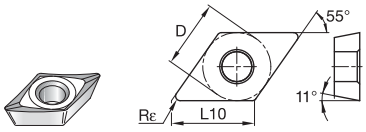
beyond DRIVE™

● first choice
○ alternate choice



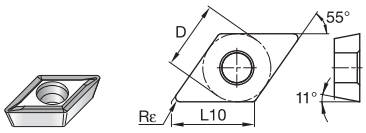
DCMT-UF

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
P				●	●	●	●	●							●								●	●
M												●	●	●										
K									●	●	●													
N																						●		
S																●	●	●	●	●	●			
H																								
DCMT11T302UF	9,53	11,63	0,2	–	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
DCMT11T304UF	9,53	11,63	0,4	–	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
DCMT11T308UF	9,53	11,63	0,8	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–



DPGT-HP

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
DPGT070202HP	6,35	7,75	0,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	–	–	–
DPGT070204HP	6,35	7,75	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	●	●	●	–	–
DPGT070208HP	6,35	7,75	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	–	–	–
DPGT11T304HP	9,53	11,63	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	●	●	●	–	–
DPGT11T308HP	9,53	11,63	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	–	–	–



DPGT-LF

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
DPGT070201LF	6,35	7,75	0,1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–
DPGT070202LF	6,35	7,75	0,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–
DPGT070204LF	6,35	7,75	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	●	–
DPGT11T301LF	9,53	11,63	0,1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–
DPGT11T302LF	9,53	11,63	0,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–
DPGT11T304LF	9,53	11,63	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–
DPGT11T308LF	9,53	11,63	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–

beyond DRIVE™

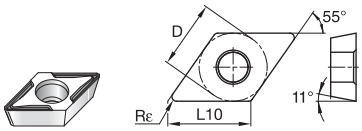
● first choice
○ alternate choice



DPMT-FP

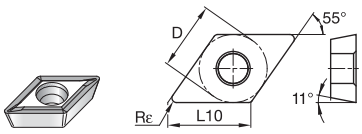
P	●	●	●	●	●							●								●	●
M									●	●	●										
K						●	●	●													
N																			●		
S													●	●	●	●	●	●			
H																					

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
DPMT070202FP	6,35	7,75	0,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	–	–	–
DPMT070204FP	6,35	7,75	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	–	–	●
DPMT070208FP	6,35	7,75	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	–	–	–
DPMT11T302FP	9,53	11,63	0,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	–	–	–
DPMT11T304FP	9,53	11,63	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	–	–	●
DPMT11T308FP	9,53	11,63	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	–	–	●



DPMT-FW

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
DPMT070208FW	6,35	7,75	0,8	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	●	–	–	–	–
DPMT11T308FW	9,53	11,63	0,8	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–



DPMT-LF

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
DPMT070204LF	6,35	7,75	0,4	–	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–
DPMT11T304LF	9,53	11,63	0,4	–	●	●	–	–	–	–	●	–	●	–	–	–	–	–	–	–	–	–	●	–
DPMT11T308LF	9,53	11,63	0,8	–	●	●	–	–	●	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–

* For more information, please see the Innovations Master Catalogue Cutting Tools 2013.


C2–C71


C72–C109


C110–C115


C116–C147

beyond
B10–B23

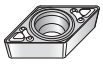
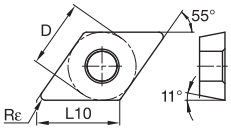

B24–B31


B32–B37

beyond DRIVE™

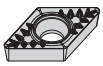
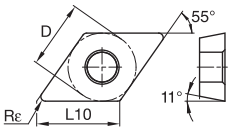
● first choice
○ alternate choice

		KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
P		●	●	●	●	●							●								●	●
M										●	●	●										
K							●	●	●													
N																				●		
S														●	●	●	●	●	●			
H																						

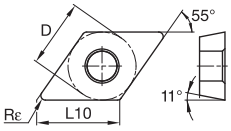
DPMT-MF

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
DPMT11T308MF	9,53	11,63	0,8	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–

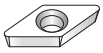
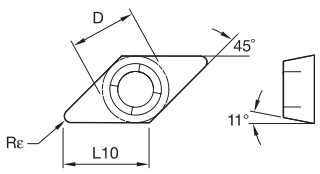
DPMT-MP

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
DPMT11T308MP	9,53	11,63	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–

DPMT-UF

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
DPMT070204UF	6,35	7,75	0,4	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

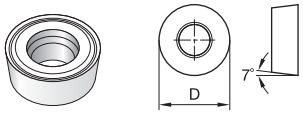
GPCD

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
GPCD050102	3,97	5,61	0,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–
GPCD050104	3,97	5,61	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–

beyond DRIVE™

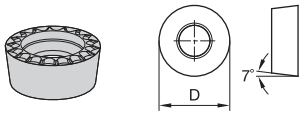
● first choice
○ alternate choice

		KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
P		●	●	●	●	●							●								●	●
M										●	●	●										
K							●	●	●													
N																				●		
S														●	●	●	●	●	●			
H																						



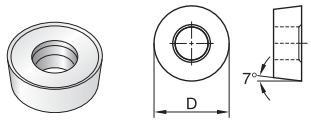
RCGH

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
RCGH120400	12,70	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–



RCGH-MP

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
RCGH120400MP	12,70	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–



RCGT-HP

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
RCGT0803M0HP	8,00	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	–	●	●	●	–	–
RCGT10T3M0HP	10,00	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	●	●	●	–	–
RCGT1204M0HP	12,00	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	●	●	–	–	–

* For more information, please see the Innovations Master Catalogue Cutting Tools 2013.


C2–C71


C72–C109


C110–C115


C116–C147

beyond
B10–B23

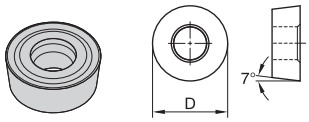

B24–B31


B32–B37

beyond DRIVE™

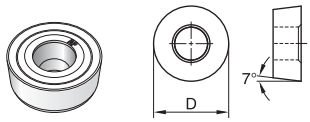
● first choice
○ alternate choice

		KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
P		●	●	●	●	●							●								●	●
M										●	●	●										
K							●	●	●													
N																				●		
S														●	●	●	●	●	●			
H																						



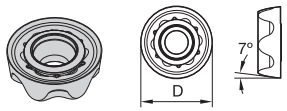
RCGT-MS

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
RCGT0803M0MS	8,00	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	–	–	–
RCGX1003M0MS	10,00	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–
RCGT1204M0MS	12,00	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	–	–	–
RCGT1606M0MS	16,00	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	–	–	–



RCGT-RP

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
RCGT0602M0RP	6,00	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
RCGT0803M0RP	8,00	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
RCMX1003M0RP	10,00	–	–	–	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
RCMT1204M0RP	12,00	–	–	–	●	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–
RCMT1606M0RP	16,00	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
RCMT2006M0RP	20,00	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–

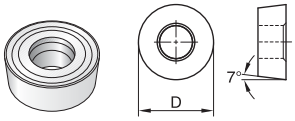


RCGX-LF

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
RCGX190600ELF	19,05	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	●	–	–	–	–

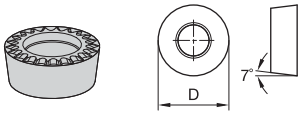
beyond BLAST

● first choice
○ alternate choice



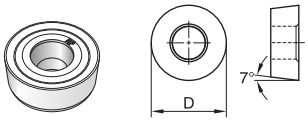
RCMT

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
P				●	●	●	●	●							●								●	●
M												●	●	●										
K									●	●	●													
N																						●		
S																●	●	●	●	●	●			
H																								
RCMT0602M0	6,00	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	●	●	–	●	–	–	–	–
RCMT060200	6,35	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–
RCMT0803M0	8,00	–	–	–	●	–	–	–	–	–	●	–	–	–	–	–	●	–	–	●	–	–	–	–
RCMT09T300	9,53	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	●	–	–	●	–	–	–	–
RCMT10T3M0	10,00	–	–	–	–	–	–	–	–	●	●	–	–	–	–	–	–	–	–	●	–	–	–	–
RCMT1204M0	12,00	–	–	–	–	–	●	–	–	●	●	–	–	–	–	–	●	–	–	●	–	–	–	–
RCMT120400	12,70	–	–	●	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–
RCMT1605M0	16,00	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	●	–	–	●	–	–	–	–
RCMT2006M0	20,00	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	●	–	–	●	–	–	–	–



RCMT-MP

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
RCMT0803M0MP	8,00	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–
RCMT10T3M0MP	10,00	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–
RCMT1204M0MP	12,00	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–
RCMT1606M0MP	16,00	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–



RCMT-RP

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
RCMT1204M0RP	12,00	–	–	–	●	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–
RCMT1606M0RP	16,00	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
RCMT2006M0RP	20,00	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–

* For more information, please see the Innovations Master Catalogue Cutting Tools 2013.


C2–C71


C72–C109


C110–C115


C116–C147

beyond
B10–B23

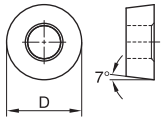

B24–B31


B32–B37

beyond DRIVE™

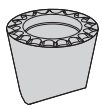
● first choice
○ alternate choice

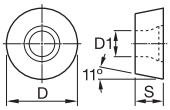




RCMX-RP

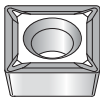
ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
P				●	●	●	●	●							●								●	●
M												●	●	●										
K									●	●	●													
N																						●		
S																●	●	●	●	●	●			
H																								
RCMX1003M0RP	10,00	–	–	–	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

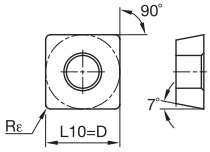




RPGT-MP

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
RPGT060400MP	6,35	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–
RPGT090700MP	9,53	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–
RPGT120700MP	12,70	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–

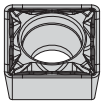


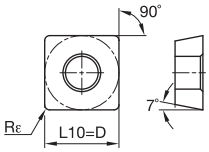


SCMT-11

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
SCMT09T30411	9,53	9,53	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–
SCMT09T30811	9,53	9,53	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–
SCMT12040411	12,70	12,70	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–
SCMT12040811	12,70	12,70	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–

beyond DRIVE™

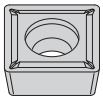


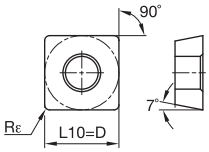


● first choice
○ alternate choice

SCMT-FP

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
P				●	●	●	●	●							●								●	●
M												●	●	●										
K									●	●	●													
N																						●		
S															●	●	●	●	●	●	●			
H																								
SCMT09T304FP	9,53	9,53	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	–	–	–
SCMT09T308FP	9,53	9,53	0,8	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	–	–	●
SCMT120404FP	12,70	12,70	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	–	–	–
SCMT120408FP	12,70	12,70	0,8	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	–	–	–
SCMT120412FP	12,70	12,70	1,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–





SCMT-LF

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
SCMT09T304LF	9,53	9,53	0,4	–	●	●	–	–	–	●	●	●	●	–	–	–	–	–	–	–	–	–	●	–
SCMT09T308LF	9,53	9,53	0,8	–	●	●	●	–	●	●	●	●	●	–	–	–	–	–	–	–	–	–	–	–
SCMT120404LF	12,70	12,70	0,4	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–
SCMT120408LF	12,70	12,70	0,8	–	●	●	–	–	–	●	●	–	●	–	–	–	–	–	–	–	–	–	–	–
SCMT120412LF	12,70	12,70	1,2	–	●	●	–	–	–	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–

* For more information, please see the Innovations Master Catalogue Cutting Tools 2013.


C2–C71


C72–C109


C110–C115


C116–C147

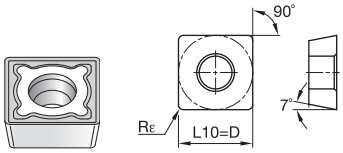
beyond
B10–B23


B24–B31


B32–B37

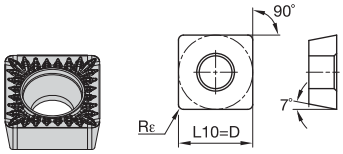
beyond DRIVE™

● first choice
○ alternate choice



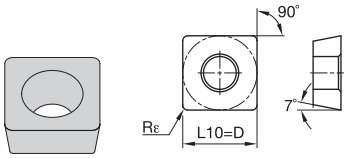
SCMT-MF

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
P				●	●	●	●	●							●								●	●
M												●	●	●										
K									●	●	●													
N																						●		
S																●	●	●	●	●	●			
H																								
SCMT09T312MF	9,52	9,52	1,2	–	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
SCMT09T308MF	9,53	9,53	0,8	–	●	●	–	–	–	●	●	–	●	●	–	–	–	–	–	–	–	–	–	–
SCMT120408MF	12,70	12,70	0,8	–	●	●	–	–	–	●	●	–	●	–	–	–	–	–	–	–	–	–	–	–
SCMT120412MF	12,70	12,70	1,2	–	●	●	–	–	–	●	●	–	●	–	–	–	–	–	–	–	–	–	–	–



SCMT-MP

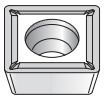
ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
SCMT09T304MP	9,53	9,53	0,4	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	●	–	–	–	–
SCMT09T308MP	9,53	9,53	0,8	–	–	●	–	–	–	–	●	–	●	–	–	–	–	–	–	●	–	–	–	–
SCMT120404MP	12,70	12,70	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–
SCMT120408MP	12,70	12,70	0,8	–	–	–	–	–	–	–	●	–	●	–	–	–	–	–	–	●	–	–	–	–

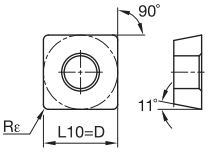


SCMW

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
SCMW09T304	9,53	9,53	0,4	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–
SCMW09T308	9,53	9,53	0,8	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–
SCMW120408	12,70	12,70	0,8	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–
SCMW120412	12,70	12,70	1,2	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–

beyond DRIVE™



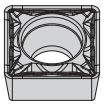


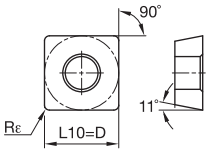
● first choice
○ alternate choice

		KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
P		●	●	●	●	●							●								●	●
M										●	●	●										
K							●	●	●													
N																				●		
S														●	●	●	●	●	●			
H																						

SPGT-LF

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
SPGT09T304LF	9,53	9,53	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–
SPGT09T308LF	9,53	9,53	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	●	–	–





SPMT-FP

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
SPMT09T304FP	9,53	9,53	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	–	–	–
SPMT09T308FP	9,53	9,53	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	–	–	●

* For more information, please see the Innovations Master Catalogue Cutting Tools 2013.


C2–C71


C72–C109


C110–C115


C116–C147

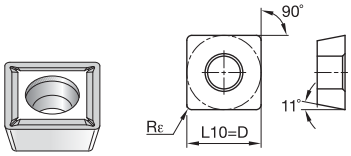
beyond
B10–B23


B24–B31


B32–B37

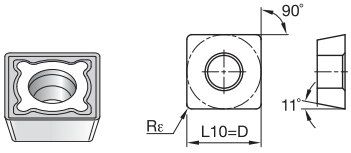
beyond DRIVE™

● first choice
○ alternate choice



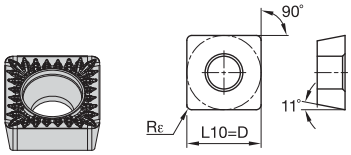
SPMT-LF

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
SPMT09T304LF	9,53	9,53	0,4	–	–	–	–	–	–	●	●	–	–	–	–	–	–	–	–	–	–	–	●	–
SPMT09T308LF	9,53	9,53	0,8	–	●	●	–	–	●	●	●	–	–	–	–	–	–	●	–	–	–	–	–	–



SPMT-MF

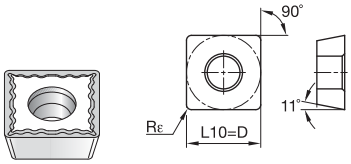
ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
SPMT09T308MF	9,53	9,53	0,8	–	–	●	–	–	–	●	●	–	●	–	–	–	–	–	–	–	–	–	–	–
SPMT120408MF	12,70	12,70	0,8	–	–	–	●	–	–	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–



SPMT-MP

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
SPMT09T308MP	9,53	9,53	0,8	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	●	–	–	–	–
SPMT120408MP	12,70	12,70	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–

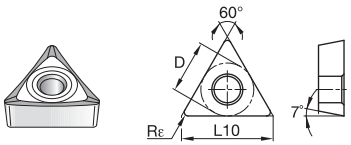
beyond DRIVE™



● first choice
○ alternate choice

SPMT-UF

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
P				●	●	●	●	●							●								●	●
M												●	●	●										
K									●	●	●													
N																						●		
S																●	●	●	●	●	●			
H																								
SPMT09T304UF	9,53	9,53	0,4	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–



TCGT-HP

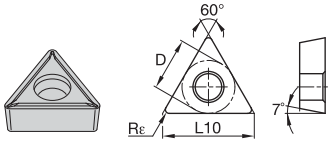
ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
TCGT110202HP	6,35	11,00	0,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	●	–	–
TCGT110204HP	6,35	11,00	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	●	●	●	–	–
TCGT110208HP	6,35	11,00	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	–	–	–
TCGT16T302HP	9,53	16,50	0,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	–	–	–
TCGT16T304HP	9,53	16,50	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	●	●	●	–	–
TCGT16T308HP	9,53	16,50	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	●	●	●	–	–

* For more information, please see the Innovations Master Catalogue Cutting Tools 2013.

C2–C71 | C72–C109 | C110–C115 | C116–C147 | B10–B23 | B24–B31 | B32–B37

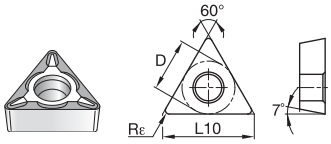
beyond DRIVE™

● first choice
○ alternate choice



TCGT-LF

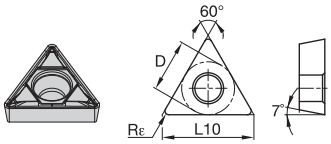
ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
P				●	●	●	●	●							●								●	●
M												●	●	●										
K									●	●	●													
N																						●		
S																●	●	●	●	●	●			
H																								
TCGT110201LF	6,35	11,00	0,1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–
TCGT110204LF	6,35	11,00	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–
TCGT16T301LF	9,53	16,50	0,1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–
TCGT16T302LF	9,53	16,50	0,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–
TCGT16T304LF	9,53	16,50	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–
TCGT16T308LF	9,53	16,50	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–



TCMT-11

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
TCMT11020411	6,35	11,00	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–
TCMT16T30411	9,53	16,50	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–
TCMT16T30811	9,53	16,50	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–

beyond DRIVE™

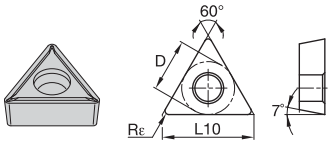


● first choice
○ alternate choice

		KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
P		●	●	●	●	●							●								●	●
M										●	●	●										
K							●	●	●													
N																				●		
S														●	●	●	●	●	●			
H																						

TCMT-FP

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
TCMT090204FP	5,56	9,63	0,4	–	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	–	–	–
TCMT090208FP	5,56	9,63	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	–	–	–
TCMT110202FP	6,35	11,00	0,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	–	–	●
TCMT110204FP	6,35	11,00	0,4	–	–	–	–	–	–	–	●	–	–	–	–	●	–	–	–	●	●	–	–	●
TCMT110304FP	6,35	11,00	0,4	–	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	–	–	–
TCMT110208FP	6,35	11,00	0,8	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	●	●	–	–	●
TCMT110308FP	6,35	11,00	0,8	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	–	–	–
TCMT110312FP	6,35	11,00	1,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–
TCMT16T302FP	9,53	16,50	0,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	–	–	●
TCMT16T304FP	9,53	16,50	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	–	–	●
TCMT16T308FP	9,53	16,50	0,8	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	●	●	–	–	●
TCMT16T312FP	9,53	16,50	1,2	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	–	–	–
TCMT220408FP	12,70	22,00	0,8	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	●	●	–	–	–



TCMT-LF

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
TCMT110204LF	6,35	11,00	0,4	–	●	●	–	–	●	●	●	●	●	●	–	–	–	●	–	–	–	–	●	–
TCMT110208LF	6,35	11,00	0,8	–	–	●	–	–	●	●	●	–	●	–	–	–	–	–	–	–	–	–	●	–
TCMT16T304LF	9,53	16,50	0,4	–	●	●	–	–	–	–	●	–	●	●	–	–	–	–	–	–	–	–	●	–
TCMT16T308LF	9,53	16,50	0,8	–	●	●	–	–	●	●	●	–	●	–	–	–	–	–	–	–	–	–	●	–
TCMT16T312LF	9,53	16,50	1,2	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–
TCMT220408LF	12,70	22,00	0,8	–	●	●	–	–	–	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–

* For more information, please see the Innovations Master Catalogue Cutting Tools 2013.


C2–C71


C72–C109


C110–C115


C116–C147

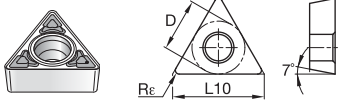
beyond
B10–B23


B24–B31


B32–B37

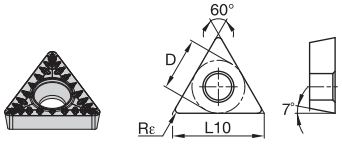
beyond DRIVE™

● first choice
○ alternate choice



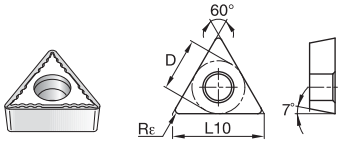
TCMT-MF

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
P				●	●	●	●	●							●								●	●
M												●	●	●										
K									●	●	●													
N																						●		
S																●	●	●	●	●	●			
H																								
TCMT110208MF	6,35	11,00	0,8	–	–	●	–	–	–	–	●	–	●	–	–	–	–	–	–	–	–	–	–	–
TCMT16T308MF	9,53	16,50	0,8	–	–	●	–	–	–	●	●	–	●	–	–	–	–	–	–	–	–	–	–	–
TCMT16T312MF	9,53	16,50	1,2	–	–	●	–	–	–	●	●	–	●	–	–	–	–	–	–	–	–	–	–	–



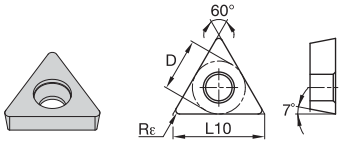
TCMT-MP

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
TCMT110208MP	6,35	11,00	0,8	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	●	–	–	–	–
TCMT16T304MP	9,53	16,50	0,4	–	–	–	–	–	–	–	●	–	●	–	–	–	–	–	–	●	–	–	–	–
TCMT16T308MP	9,53	16,50	0,8	–	–	–	–	–	–	–	●	–	●	–	–	–	–	–	–	●	–	–	–	–



TCMT-UF

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
TCMT110204UF	6,35	11,00	0,4	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

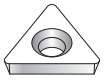


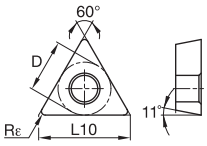
TCMW

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
TCMW16T304	9,53	16,50	0,4	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–
TCMW16T308	9,53	16,50	0,8	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–

beyond DRIVE™

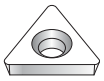
● first choice
○ alternate choice

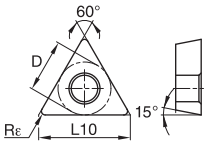




TPCB

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
				P ●	●	●	●	●							●								●	●
				M								●	●	●										
				K					●	●	●													
				N																		●		
				S											●	●	●	●	●	●	●			
				H																				
TPCB160304	9,53	16,50	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–
TD6P	9,53	16,50	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–
TPCB160308	9,53	16,50	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–

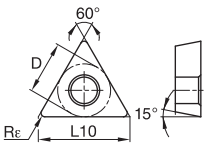




TDHB

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
TDHB07T12S0	4,06	7,04	0,1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	–	●	–
TDHB07T1202	4,06	7,04	0,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	–	–	–
TDHB07T1204	4,06	7,04	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	–	●	–
TDHB07T1208	4,06	7,04	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–





TDHH

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
TDHH07T1202L	4,06	7,04	0,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	–	–	–
TDHH07T1202R	4,06	7,04	0,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–
TDHH07T1204L	4,06	7,04	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	–	–	–
TDHH07T1204R	4,06	7,04	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	–	–	–

NOTE: Right-hand insert uses left-hand bars. Left-hand insert uses right-hand bars.

* For more information, please see the Innovations Master Catalogue Cutting Tools 2013.


C2–C71


C72–C109


C110–C115


C116–C147

beyond
B10–B23

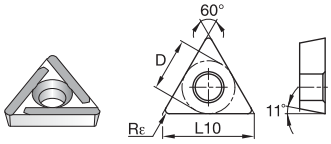

B24–B31


B32–B37

beyond DRIVE™

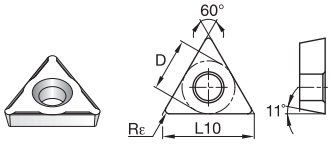
● first choice
○ alternate choice

		KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
P		●	●	●	●	●							●								●	●
M										●	●	●										
K							●	●	●													
N																				●		
S														●	●	●	●	●				
H																						



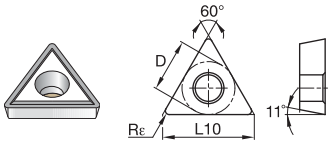
TPCG

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
TPCG110204L	6,35	11,00	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–



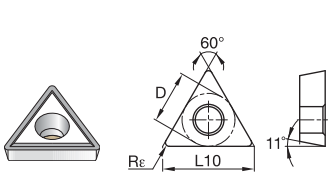
TPCH

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
TPCH110202	6,50	11,26	0,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–



TPGH

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
TPGH160304	9,53	16,50	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	–	–	–
TPGH160308	9,53	16,50	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	–	–	–

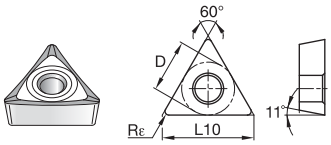


TPGM

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
TPGT110204K	6,35	11,00	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–
TPGT110208K	6,35	11,00	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–
TPGH16T304	9,53	16,50	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–

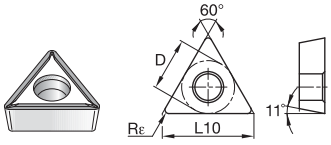
beyond DRIVE™

● first choice
○ alternate choice



TPGT-HP

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
P				●	●	●	●	●							●								●	●
M												●	●	●										
K									●	●	●													
N																						●		
S																●	●	●	●	●	●			
H																								
TPGT110202HP	6,35	11,00	0,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	–	–	–
TPGT110204HP	6,35	11,00	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	●	–	–
TPGT110208HP	6,35	11,00	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	●	–	–
TPGT16T302HP	9,53	16,50	0,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	–	–	–
TPGT16T304HP	9,53	16,50	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	●	–	–
TPGT16T308HP	9,53	16,50	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	●	–	–



TPGT-LF

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
TPGT090204LF	5,56	9,62	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	●	–	–
TPGT090202LF	5,56	9,63	0,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–
TPGT110201LF	6,35	11,00	0,1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–
TPGT110202LF	6,35	11,00	0,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–
TPGT110204LF	6,35	11,00	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	●	–	–
TPGT110208LF	6,35	11,00	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–
TPGT16T304LF	9,53	16,50	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–
TPGT16T308LF	9,53	16,50	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	●	–	–

* For more information, please see the Innovations Master Catalogue Cutting Tools 2013.


C2–C71


C72–C109


C110–C115


C116–C147

beyond
B10–B23

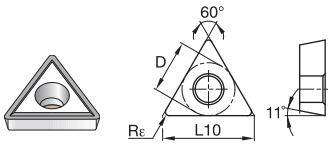

B24–B31


B32–B37

beyond DRIVE™

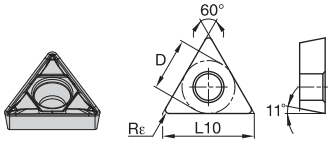
● first choice
○ alternate choice

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P		●	●	●	●	●							●								●	●
M										●	●	●										
K							●	●	●													
N																				●		
S														●	●	●	●	●	●			
H																						



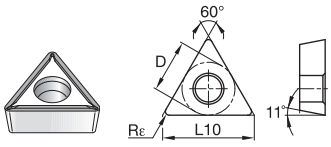
TPHB

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
TPHB110202	6,35	11,00	0,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–
TPHB160304	9,53	16,50	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–



TPMT-FP

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
TPMT090204FP	5,56	9,63	0,4	–	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–
TPMT090208FP	5,56	9,63	0,8	–	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	–	–	●
TPMT110202FP	6,35	11,00	0,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	–	–	–
TPMT110204FP	6,35	11,00	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	–	–	–
TPMT110304FP	6,35	11,00	0,4	–	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	–	–	–
TPMT110208FP	6,35	11,00	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	●
TPMT110308FP	6,35	11,00	0,8	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–
TPMT16T304FP	9,53	16,50	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	–	–	–
TPMT16T308FP	9,53	16,50	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	–	–	●
TPMT16T312FP	9,53	16,50	1,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–
TPMT220408FP	12,70	22,00	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–

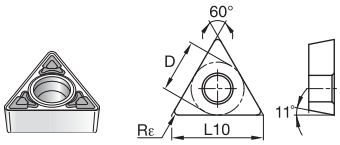


TPMT-LF

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
TPMT090204LF	5,56	9,63	0,4	–	●	●	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	●	–
TPMT110204LF	6,35	11,00	0,4	–	●	●	–	–	–	●	●	–	●	–	–	–	●	–	–	–	–	–	●	–
TPMT110208LF	6,35	11,00	0,8	–	●	●	–	–	–	●	●	–	●	–	–	–	–	–	–	–	–	–	●	–
TPMT16T304LF	9,53	16,50	0,4	–	●	●	–	–	–	–	●	–	●	–	–	–	–	–	–	–	–	–	●	–
TPMT16T308LF	9,53	16,50	0,8	–	●	●	–	–	–	●	●	–	●	–	–	–	–	–	–	–	–	–	●	–
TPMT220408LF	12,70	22,00	0,8	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–

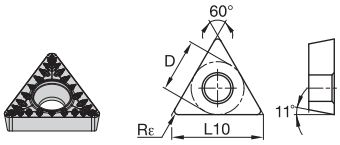
beyond DRIVE™

● first choice
○ alternate choice



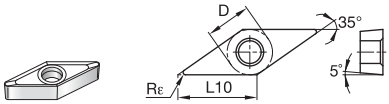
TPMT-MF

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
P				●	●	●	●	●							●								●	●
M												●	●	●										
K									●	●	●													
N																						●		
S																●	●	●	●	●	●			
H																								
TPMT110208MF	6,35	11,00	0,8	–	●	●	–	–	–	–	●	–	●	–	–	–	–	–	–	–	–	–	–	–
TPMT16T308MF	9,53	16,50	0,8	–	–	●	–	–	–	●	●	–	●	–	–	–	–	–	–	–	–	–	–	–
TPMT16T312MF	9,53	16,50	1,2	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–



TPMT-MP

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
TPMT110208MP	6,35	11,00	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–
TPMT16T308MP	9,53	16,50	0,8	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–
TPMT16T312MP	9,53	16,50	1,2	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–



VBGT-HP

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
VBGT110302HP	6,35	11,07	0,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	●	–	–
VBGT110304HP	6,35	11,07	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	●	–	–
VBGT160404HP	9,53	16,61	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	–	●	●	●	–	–
VBGT160408HP	9,53	16,61	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	●	●	●	–	–

* For more information, please see the Innovations Master Catalogue Cutting Tools 2013.


C2–C71


C72–C109


C110–C115


C116–C147

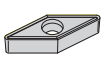
beyond
B10–B23

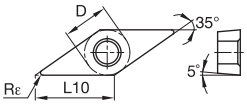

B24–B31


B32–B37

beyond DRIVE™

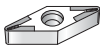
● first choice
○ alternate choice

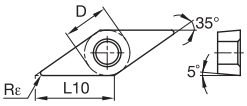




VBGT-LF

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
VBGT110301LF	6,35	11,07	0,1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	●	–	–
VBGT110302LF	6,35	11,07	0,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	●	–	–	–	–
VBGT110304LF	6,35	11,07	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	●	–	–	–	–
VBGT160401LF	9,53	16,61	0,1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–
VBGT160402LF	9,53	16,61	0,2	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	●	–	●	–	–
VBGT160404LF	9,53	16,61	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	●	–	–

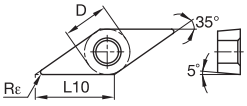




VBMT-11

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
VBMT11030211	6,35	11,07	0,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–
VBMT11030411	6,35	11,07	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–
VBMT16040411	9,53	16,61	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–
VBMT16040811	9,53	16,61	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–



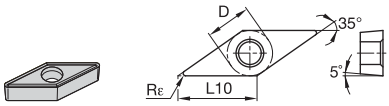


VBMT-FP

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
VBMT110302FP	6,35	11,07	0,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–
VBMT110304FP	6,35	11,07	0,4	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	●	●	–	–	●
VBMT110308FP	6,35	11,07	0,8	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	●	●	–	–	–
VBMT160402FP	9,53	16,61	0,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	–	–	●
VBMT160404FP	9,53	16,61	0,4	●	●	●	–	–	–	–	●	–	–	–	–	–	–	–	–	●	●	–	–	●
VBMT160408FP	9,53	16,61	0,8	●	●	●	–	–	–	–	●	–	–	–	–	–	–	–	–	●	●	–	–	●
VBMT160412FP	9,53	16,61	1,2	–	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

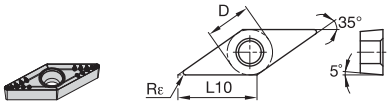
beyond DRIVE™

● first choice
○ alternate choice



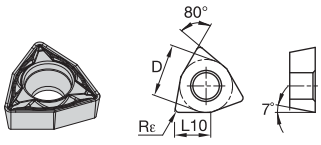
VBMT-LF

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
VBMT110302LF	6,35	11,07	0,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–
VBMT110304LF	6,35	11,07	0,4	–	●	●	–	–	–	–	–	–	●	–	–	–	●	–	–	–	–	–	●	–
VBMT110308LF	6,35	11,07	0,8	–	–	●	–	–	●	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–
VBMT160402LF	9,53	16,61	0,2	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–
VBMT160402LF	9,53	16,61	0,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–
VBMT160404LF	9,53	16,61	0,4	●	●	●	–	–	–	●	●	●	●	–	–	–	●	–	–	–	–	–	●	–
VBMT160408LF	9,53	16,61	0,8	–	●	●	–	●	●	●	●	●	●	–	–	–	●	●	–	–	–	–	●	–
VBMT160412LF	9,53	16,61	1,2	–	–	–	–	–	●	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–



VBMT-MP

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
VBMT160404MP	9,53	16,61	0,4	–	–	–	–	–	–	–	●	–	●	–	–	–	–	–	–	–	–	–	–	–
VBMT160408MP	9,53	16,61	0,8	–	–	●	–	–	–	–	●	–	●	–	–	–	–	–	–	–	–	–	–	–



WCMT-FP

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
WCMT040204FP	6,35	4,34	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	–	–	–
WCMT06T308FP	9,53	6,52	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–

* For more information, please see the Innovations Master Catalogue Cutting Tools 2013.


C2–C71


C72–C109


C110–C115


C116–C147

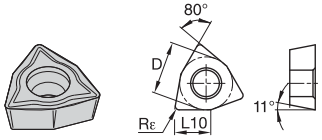
beyond
B10–B23


B24–B31


B32–B37

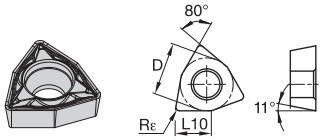
beyond DRIVE™

● first choice
○ alternate choice



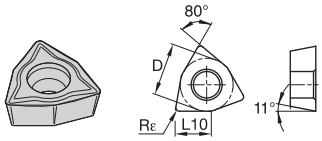
WPGT-UF

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
P				●	●	●	●	●							●								●	●
M												●	●	●										
K									●	●	●													
N																						●		
S																●	●	●	●	●	●			
H																								
WPGTS30101UF	4,76	3,26	0,1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–
WPGTS30102UF	4,76	3,26	0,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–
WPGT040202UF	6,35	4,34	0,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–



WPMT-FP

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
WPMTS3T104FP	4,76	3,25	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–
WPMT040204FP	6,35	4,34	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–
WPMT06T304FP	9,53	6,52	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–
WPMT06T308FP	9,53	6,52	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–



WPMT-LF

ISO catalogue number	D	L10	Rε	KCP05B	KCP10B	KCP25B	KCP30B	KCP40B	KCK05B	KCK15B	KCK20B	KCM15B	KCM25B	KCM35B	KCPK05	KU10	K313	K68	KCS10	KCU10	KCU25	KC5410	KT315	KTP10
WPMT06T304LF	9,53	6,52	0,4	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–
WPMT06T308LF	9,53	6,52	0,8	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

-MR Geometry

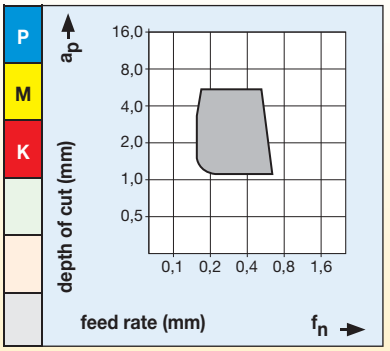
P	Steel
M	Stainless Steel
K	Cast Iron
N	Non-Ferrous
S	High-Temp Alloys
H	Hardened Materials

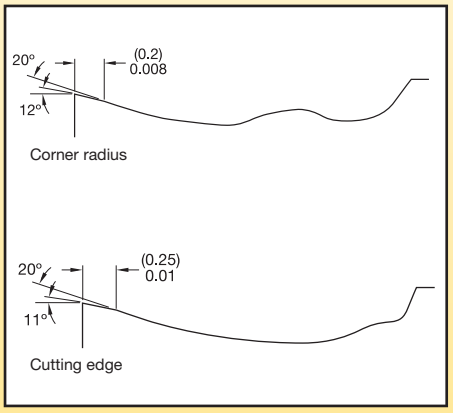
MR



Geometry for medium to rough cutting with smooth chip forming and improved coolant flow for increased tool life. Positive geometry reduces cutting forces and improves depth-of-cut notching resistance.

MR (11˚ land) is more positive than the -RP (5˚ land) and -MN (0˚ land), providing a freer cutting action (lower cutting forces) and potentially improved tool life in some applications. It is less positive than the -UP (15˚ land), so the -MR bridges the gap between the -RP and -UP.





Feed 0,15–0,50mm (.006–.02 IPR)
DOC 1,50–6,35mm (.06–0.25")

MR:	Medium Roughing
08:	Corner radius (ISO) 0,8mm
▼:	Application Symbol — Rough machining
2:	Corner radius (ANSI) 2/64 (0.03125")

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1134285	SNMA120408K68	68
1152199	SPGN120308K68	101
1156428	SNMA190612K68	68
1159653	TNMG220412PKC730	81
1159891	SNMG190612K1	68
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1162186	CCGT120408HPK313	103
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1162191	CCMT09T308LFK313	105
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1162229	VBGT160408HPK313	135
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1162247	RCMT0803M0K313	121
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1310726	CCGT060204LFKC5010	104
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1310733	CCGT09T302LFKC5010	104
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1310746	CCGT120402HPKC5010	103
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1310800	TPGT16T304HPKC5010	133
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1310805	TPGT16T308LFKC5010	133
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1310842	CPGT060204LFKC5010	110
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1310947	DPGT070202LFKC5010	116
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1522850	TPGT16T302HPKC5010	133
1522905	CPGT060202HPKC5010	109
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1523196	TCGT110202HPKC5010	127
1523329	TPGT090202LFKC5010	133
1527051	SCMT12040811KT315	122
1527992	DCMT11T30811KT315	113
1527995	TCMT16T30811KT315	128
1560389	CCGT060204HPKC5410	103
1560390	CCGT09T302HPKC5410	103
1560600	CCGT060202HPKC5410	103
1560651	CCGT09T304HPKC5410	103
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1560694	CPGT09T304HPKC5410	109
1560698	CPGT09T304LFKC5410	110
1560699	DCGT11T302HPKC5410	113
1560714	DCGT11T304HPKC5410	113
1560715	DCGT11T308HPKC5410	113
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1600571	CNMG120404MP1KC5010	48
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1601632	CNMG120408FFKC5010	44
1601636	CNMG120408FFKT315	44
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1601651	DNMG150608FFKT315	58
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1601886	TNMG160408FFKT315	78
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1601890	VNMG160408FFKC5010	87
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1610985	DNMG150604FFKC5010	58
1610988	DNMG150604FFKT315	58
1611086	DNMG110412FNKT315	58
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1611330	WNMG060404FNKT315	93
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1785716	CNGP120402KC5410	42
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1785719	CNGP120412KC5410	42
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1785734	DNGP150408KC5410	56
1785735	DNGP150604KC5410	56
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1785741	TNGP160408KC5410	77
1785746	VNGP160401KC5410	86
1785747	VNGP160402KC5410	86
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1785749	CPGT060204HPKC5410	109
1785750	CPGT060208HPKC5410	109
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1871036	VBMT160402LFKC5010	137
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1882149	SNMM250724RWKC9125	75
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1882196	CNMM120412RMKC9125	53
1882198	CNMM160612RMKC9125	53
1882206	DNMM150412RMKC9125	64
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1937513	CDHHS4T002RKC5010	108
1937516	CDHHS4T002LKT315	108
1937517	CDHHS4T002RKT315	108
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1937535	TDHB07T1202KC5010	131
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1937598	TPCH110202KC5010	132
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1937621	TPCB160308KC5010	131
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2229693	DNMG150408MSK313	61
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2384811	SNMM190624RPKC9125	75
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2429986	DNMG150412CTKC9110	57
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2456168	RCGT0803M0RPKC9125	120
2456173	RCMT1606M0RPKC9125	120–121
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Visit **www.kennametal.com** for additional contact information for locations.

North America

- **United States**
  General Sales: 1 800 446 7738
  FtMill.Service@kennametal.com
  Technical Support: 1 800 835 3668
  na.techsupport@kennametal.com

- **Canada**
  General Sales: 800 446 7738
  toronto.service@kennametal.com
  Technical Support: 1 800 835 3668
  na.techsupport@kennametal.com

- **Mexico**
  General Sales: 001 888 402 4963
  k-mx.service@kennametal.com

Central/South America

- **Argentina**
  General Sales: +54 11 4719 0700
  buenos-aires.ventas@kennametal.com

- **Brazil**
  General Sales: +55 19 3936 9200
  bra.marketing@kennametal.com

- **Chile**
  General Sales: +56 2 2641177
  kennametalchile@kennametalchile.cl

- **El Salvador**
  General Sales: +503 2218 8096
  prometca@salnet.net

- **Venezuela**
  General Sales: +58 305 595 5175
  paxi@bellsouth.net

Africa

- **Egypt**
  General Sales: +20 2 263 9828
  gafa@link.net

- **South Africa**
  General Sales: +27 11 748 9300
  na.techsupport@kennametal.com

Europe

- **Austria**
  General Sales: +43 2236 379898
  brunn.sales@kennametal.com
  Technical Support: 0800 202873
  eu.techsupport@kennametal.com

- **Belgium**
  General Sales: +32 4 248 48 48
  liege.sales@kennametal.com
  Technical Support: 0800 80850
  eu.techsupport@kennametal.com

- **Czech Republic**
  Ricany Jazlovice
  General Sales: 800 900 840
  k-prha.sales@kennametal.com

- **Denmark**
  Technical Support: 808 89298
  na.techsupport@kennametal.com

- **Finland**
  Technical Support: 0800 919412
  na.techsupport@kennametal.com

- **France**
  General Sales: +33 1 60 12 81 00
  info.fr@kennametal.com
  Technical Support: 0805 540 367
  eu.techsupport@kennametal.com

- **Germany**
  General Sales: +49 6172 737 0
  friedrichsdorf.service@kennametal.com
  Technical Support: 0800 0006651
  eu.techsupport@kennametal.com

- **Great Britain**
  General Sales: +44 1384 408060
  kingswinford.service@kennametal.com
  Technical Support: 0800 032 8339
  na.techsupport@kennametal.com

- **Hungary**
  General Sales: +36 96 618 158
  gyoer.sales@kennametal.com

- **Ireland**
  General Sales: +44 28 9084 9433
  na.techsupport@kennametal.com

- **Italy**
  General Sales: +39 02 895 961
  milano.vendite@kennametal.com
  Technical Support: 800 916561
  eu.techsupport@kennametal.com

- **Luxemborg**
  General Sales: +32 4 248 48 48
  liege.sales@kennametal.com

- **Netherlands**
  General Sales: +31 26 384 48 50
  arnhem.information@kennametal.com
  Technical Support: 0800 0201130
  eu.techsupport@kennametal.com

- **Norway**
  Technical Support: 800 10080
  na.techsupport@kennametal.com

- **Poland**
  General Sales: +48 61 6656501
  poznan.sales@kennametal.com
  Technical Support: 00800 4411887
  eu.techsupport@kennametal.com

- **Portugal**
  General Sales: +351 22 4119 400
  porto.service@kennametal.com

- **Russia**
  General Sales: +7 495 4115386
  system@kennametal.ru
  Technical Support:
  Landline: 08800 5556394
  Cell Phone: +7 8005556394
  eu.techsupport@kennametal.com

- **Slovakia**
  General Sales: +421 42 444 0792
  k-eu-trencin.sales@kennametal.com

- **Spain**
  General Sales: +34 93 586 03 50
  barcelona.service@kennametal.com

- **Sweden**
  Technical Support: 020799246
  na.techsupport@kennametal.com

- **Turkey**
  General Sales: +90 216 574 4780
  tr.information@kennametal.com

- **Ukraine**
  Technical Support: 0800502664
  eu.techsupport@kennametal.com

East/Asia Pacific

- **Australia**
  General Sales: 1 800 666 667
  k-au.service@kennametal.com
  Technical Support: 1 800 67 4037
  ap-kmt.techsupport@kennametal.com

- **Bahrain**
  General Sales: +00 971 0 5572371
  aliyat@aliyat.ae

- **China**
  General Sales: +86 400 889 2135
  Technical Support: 400 889 2238
  k-cn.techsupport@kennametal.com

- **Dubai**
  General Sales: +00 971 0 5572371
  aliyat@aliyat.ae

- **India**
  General Sales: +91 080 22198444 or
  +91 080 43281444
  Technical Support: +91 080 43281156
  in.techsupport@kennametal.com

- **Indonesia**
  General Sales: +65 6265 9222
  k-sg.sales@kennametal.com
  Technical Support: 1800 6221031
  ap-kmt.techsupport@kennametal.com

- **Israel**
  General Sales: +97 23 558 1313
  arnold1@inter.net.il
  Technical Support: 1809 449889
  na.techsupport@kennametal.com

- **Japan**
  General Sales: +813 3820 2855
  Technical Support: +813 3820 2855
  ap-kmt.techsupport@kennametal.com

- **Korea**
  General Sales: +82 2 2109 6100
  Technical Support: +080 728 0880
  ap-kmt.techsupport@kennametal.com

- **Kuwait**
  General Sales: +00 971 0 5572371
  aliyat@aliyat.ae

- **Malaysia**
  General Sales: +6 03 5569 9080
  Technical Support: 1800812990
  ap-kmt.techsupport@kennametal.com

- **New Zealand**
  General Sales: 0800 536626
  k-nz.service@kennametal.com
  Technical Support: 0800 450941
  ap-kmt.techsupport@kennametal.com

- **Pakistan**
  General Sales: +92 21 2465305
  itsystem@brain.net.pk

- **Singapore***
  General Sales: +65 62659222
  k-sg.sales@kennametal.com
  Technical Support: 1800 6221031
  ap-kmt.techsupport@kennametal.com

  *Vietnam and Philippines individuals should contact the Singapore office.

- **Taiwan**
  General Sales: +886 4 2350 1920
  taiwan.service@kennametal.com
  Technical Support: 0800 666 197
  ap-kmt.techsupport@kennametal.com

- **Thailand**
  General Sales: +662 642 3455
  Technical Support: 18004417820
  ap-kmt.techsupport@kennametal.com

Metalcutting Safety

IMPORTANT SAFETY INSTRUCTIONS

Read before using the tools in this catalogue!

Projectile and Fragmentation Hazards:

Modern metalcutting operations involve high spindle and cutter speeds and high temperatures and cutting forces. Hot metal chips may fly off the workpiece during metalcutting. Although cutting tools are designed and manufactured to withstand high cutting forces and temperatures, they can sometimes fragment, particularly if they are subjected to over-stress, severe impact, or other abuse

To avoid injury:

- Always wear appropriate personal protective equipment, including safety goggles, when operating metalcutting machines or working nearby.
- Always make sure all machine guards are in place.

Breathing and Skin Contact Hazards:

Grinding carbide or other advanced cutting tool materials produces dust or mist containing metallic particles. Breathing this dust or mist — especially over an extended period — can cause temporary or permanent lung disease or make existing medical conditions worse. Contact with this dust or mist can irritate eyes, skin, and mucous membranes and may make existing skin conditions worse.

To avoid injury:

- Always wear breathing protection and safety goggles when grinding.
- Provide ventilation control and collect and properly dispose of dust, mist, or sludge from grinding.
- Avoid skin contact with dust or mist.

For more information, read the applicable Material Safety Data Sheet provided by Kennametal and consult General Industry Safety and Health Regulations, Part 1910, Title 29 of the Code of Federal Regulations.

These safety instructions are general guidelines. Many variables affect machining operations. It is impossible to cover every specific situation. The technical information included in this catalogue and recommendations on machining practices may not apply to your particular operation. For more information, consult Kennametal's Metalcutting Safety booklet, available free from Kennametal at 724 539 5747 or fax 724 539 5439. For specific product safety and environmental questions, contact our Corporate Environmental Health and Safety Office at 724 539 5066 or fax 724 539 5372.

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INNOVATIONS **PREVIEW**

WORLD AND CORPORATE HEADQUARTERS
Kennametal Inc.
1600 Technology Way
Latrobe, PA 15650 USA
Phone: 800 446 7738 (United States and Canada)
E-mail: ftmill.service@kennametal.com

EUROPEAN HEADQUARTERS
Kennametal Europe GmbH
Rheingoldstrasse 50
CH 8212 Neuhausen am Rheinfall
Switzerland
Phone: +41 52 6750 100
E-mail: neuhausen.info@kennametal.com

ASIA-PACIFIC HEADQUARTERS
Kennametal Singapore Pte. Ltd.
3A International Business Park
Unit #01-02/03/05, ICON@IBP
Singapore 609935
Phone: +65 6265 9222
E-mail: k-sg.sales@kennametal.com

INDIA HEADQUARTERS
Kennametal India Limited
CIN: L27109KA1964PLC001546
8/9th Mile, Tumkur Road
Bangalore - 560 073
Phone: +91 080 22198444 or +91 080 43281444
E-mail: bangalore.information@kennametal.com

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www.kennametal.com

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