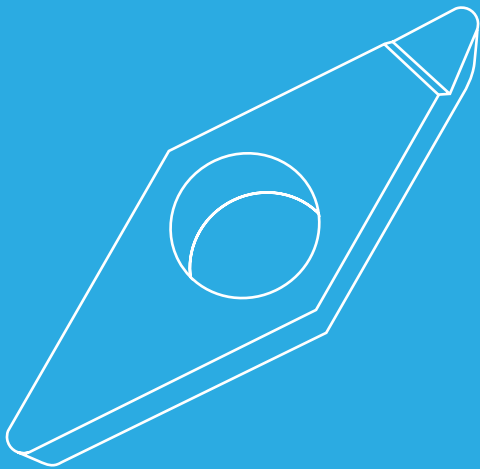
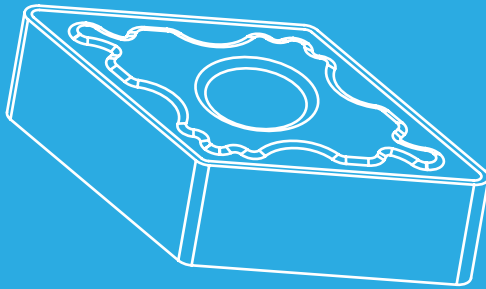


TURNING / PCBN



TURNING

GROOVING

THREADING

MILLING

DRILLING








ENDMILLS

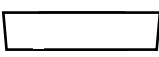
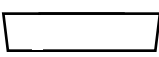
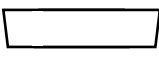
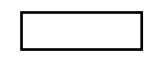
DRILLS



SPARE PARTS


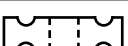

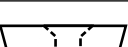
INDEX








C	C	G	W	12	04	08
1	2	3	4	5	6	7

1	Geometry	
C		80°
D		55°
R		360°
S		90°
T		60°
V		35°
W		80°

2	Clearance Angle	
B		5°
C		7°
P		11°
N		0°

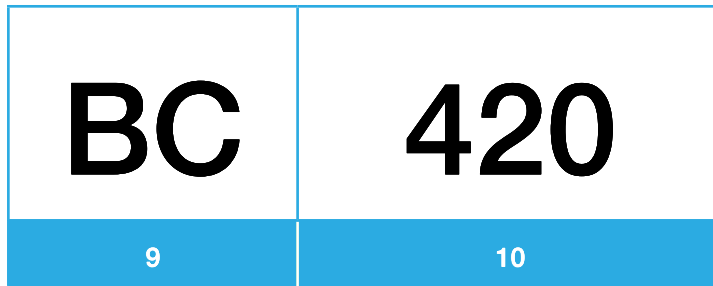
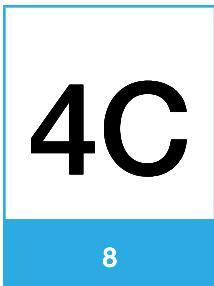
3	Tolerance	
		
G	±0,025	±0,13
M	±0,05 ±0,15	±0,13
U	±0,08 ±0,25	±0,13

4	Shape
A	
G	
M	
W	
X	Special

5	Shape (mm)	
C	06 09 12 16 19 25	
D	07 11 15	
R	06 09 12 15 19 25	
S	09 12 15 19 25	
T	09 11 16 22	
V	11 16 22	
W	06 08	

6	Thickness (mm)	
02	2,38	
03	3,18	
T3	3,97	
04	4,76	
06	6,35	
07	7,94	
09	9,52	
10	10,00	

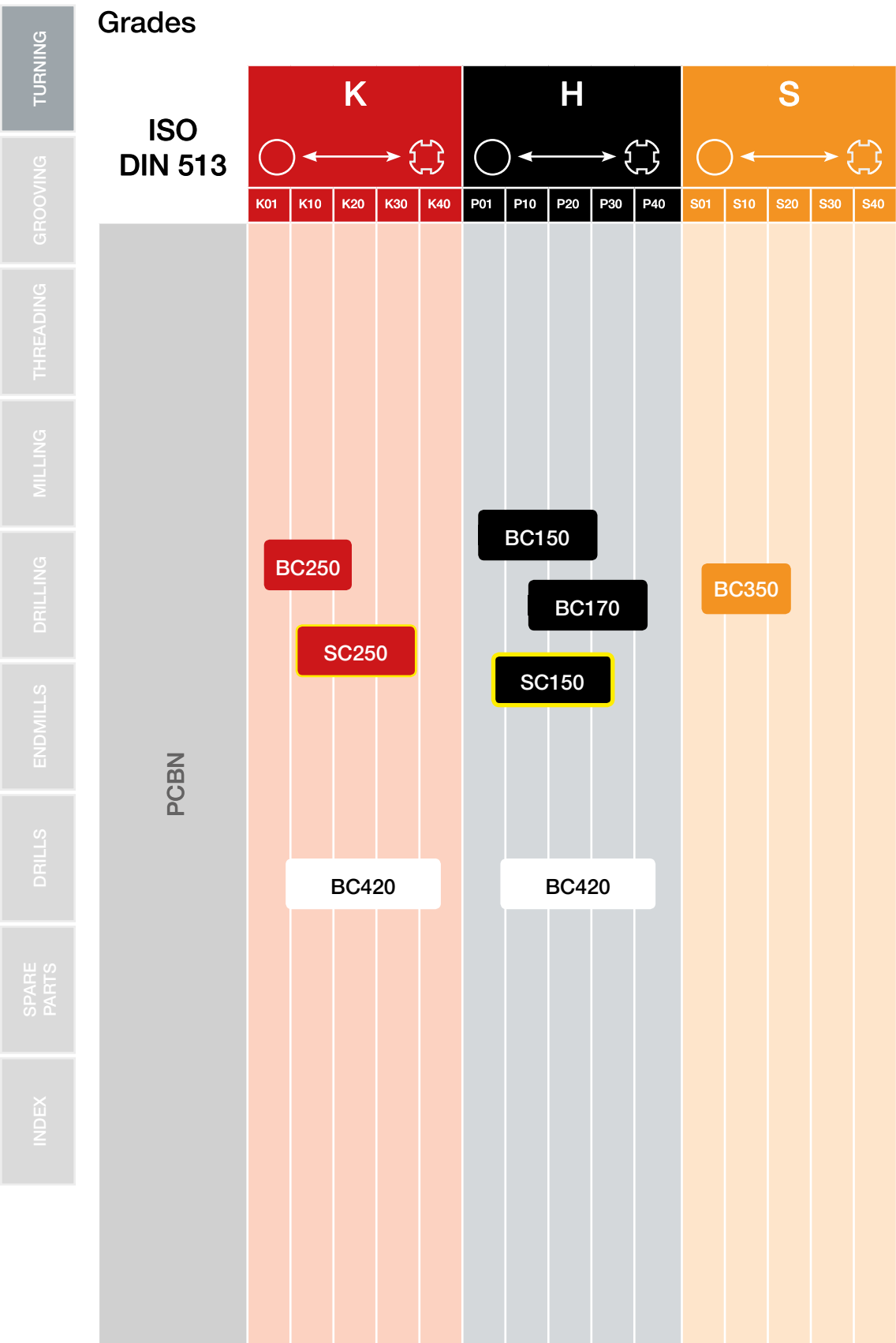
7	Corner Radius	
02	0,20 mm	
04	0,40 mm	
08	0,80 mm	
12	1,20 mm	
16	1,60 mm	
24	2,40 mm	



8	Number of Edges
1C	1 Corner
2C	2 Corners
3C	3 Corners
4C	4 Corners
6C	6 Corners
8C	8 Corners
FF	Full Face
SO	Solid PcBN

9	
BC	PCBN
SC	TiN Coating PCBN

10	Application
1	Hardened Steel
2	Cast Iron
3	Super Alloy
4	Universal



TURNING

GROOVING

THREADING

MILLING

DRILLING

ENDMILLS

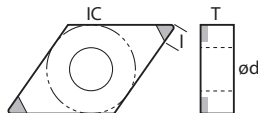
DRILLS

SPARE PARTS

INDEX

NEGATIVE with hole

DN□□



DN □□	1504 □□	1506 □□
IC	12,7	12,7
T	4,76	6,35
ød	5,16	5,16
Holder	149	149

DESCRIPTION		EDGE	PCBN							
			BC150	BC170	SC150	BC250	SC250	BC350	BC420	
	DNGA150404	1C	•							•
	DNGA150408	1C	•	•	•	•	•	•	•	•
	DNGA150604	1C	•							•
	DNGA150608	1C	•	•	•	•	•	•	•	•
	DNGA150612	1C		•	•	•	•			•
	DNGA150404	2C	•							•
	DNGA150408	2C	•	•	•	•	•	•	•	•
	DNGA150604	2C	•							•
	DNGA150608	2C	•	•	•	•	•	•	•	•
	DNGA150612	2C		•	•	•	•			•
	DNGA150404	4C	•							•
	DNGA150408	4C	•	•	•	•	•	•	•	•
	DNGA150604	4C	•							•
	DNGA150608	4C	•	•	•	•	•	•	•	•
	DNGA150612	4C		•	•	•	•			•

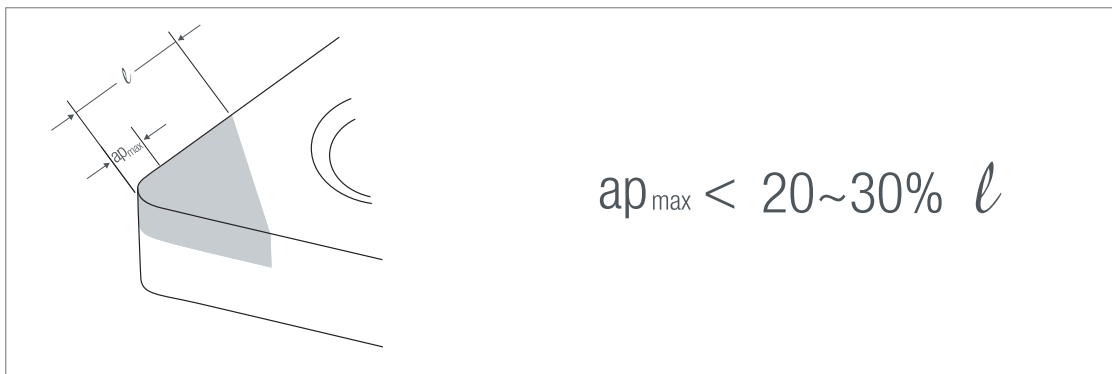
Vc • fn • ap

78

Cutting Parameters

KG	GREY CAST IRON
KN	NODULAR CAST IRON
KW	WHITE CAST IRON
KS	SINTERED MATERIAL

HH	HARDENED STEEL
HC	CASE HARDENED STEEL
HB	BEARING STEEL
SA	SUPER ALLOYS (Ni Based)



MATERIAL		ap (mm)	fn (mm/rev)	CUTTING CONDITION		PCBN						
						BC150	BC170	SC150	BC250	SC250	BC350	BC420
H	HH	0,05-0,25	0,05-0,20	○	☹	120-250	100-230	100-200				100-220
				⊕	☹			80-180				80-180
	HC	0,05-0,25	0,08-0,25	○	☹			100-180				100-200
				⊕	☹			80-160				80-160
	HB	0,05-0,25	0,05-0,20	○	☹	120-220	100-200	100-180				100-200
				⊕	☹			80-150				90-150
K	KG	0,10-0,50	0,10-0,30	○	☹					400-1000		400-1200
				⊕	☹					400-800		400-1000
	KN	0,10-0,30	0,05-0,20	○	☹				250-400			250-500
				⊕	☹				150-300			200-400
	KW	0,10-0,30	0,10-0,30	○	☹					60-100		60-120
				⊕	☹					50-80		50-100
	KS	0,05-0,20	0,05-0,25	○	☹				160-250	160-250		160-280
				⊕	☹							120-220
S	SA	0,05-0,20	0,10-0,20	○	☹						120-300	