2017.V1 **EN**

Your partner for wood machining

CERATIZIT is a high-tech engineering group in tooling and hard material technology.

Tooling the Future

TOOLMAKER SOLUTIONS BY CERATIZIT

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Content

Wood machining

For wood machining, we offer a comprehensive range of finished and semi-finished products: rods, strips, planer blades, indexable knives, blanks and blanks for profiling. You can count on our in-depth knowledge of the market, resulting from many years of working with all kinds of applications. With a lot of our products, we have been the exclusive partner of market leaders and setters of quality standards for many years now.

We constantly develop and refine our portfolio of carbide grades to ensure the right choice for all kinds of materials and machining conditions, for example our proven KCR grades. We are happy to help you select the best grade for you, depending on your application, to make you even more successful in future.

Grades for wood machining

Chrome grades

Grade	Binder	Grain size	Hardness [HV10]	Hardness [HRA]	Fracture toughness (SEVNB) [MPa*m$^{1/2}$]	Transverse rupture strength [MPa]
KCR02+	2,0	nano	2250	95,0	7,5	2400
KCR05+	3,0	ultrafine	2160	94,5	7,8	2900
KCR06	3,0	submicron	1950	93,6	8,5	2300
KCR08	4,2	submicron	1920	93,4	8,7	2600
KCR18+	9,5	submicron	1590	91,7	10,8	3750

WC-Co grades

Grade	Binder	Grain size	Hardness [HV10]	Hardness [HRA]	Fracture toughness (SEVNB) [MPa*m$^{1/2}$]	Transverse rupture strength [MPa]
CTOPP10	10,0	submicron	1570	91,6	10,0	3000
HC20	6,0	fine	1640	92,1	9,9	2200
HC25	7,0	medium	1550	91,5	10,4	2600
HC30	8,5	medium	1420	90,4	12,1	3500
HC35	9,0	medium	1400	90,3	10,9	2800
HC40	12,0	fine	1330	89,7	12,0	3000
HE40	20,0	ultrafine	1250	88,8	12,1	3500
MG18	10,0	submicron	1680	92,3	9,4	3700

KCR18+ NEW!
The latest member of our KCR family

Make use of the advantages of our Cr-Ni binder based KCR grades:

- ▲ Higher process reliability thanks to corrosion and oxidation resistance during cutting
- ▲ Higher performance potential thanks to the improved ratio of hardness to fracture toughness

Properties

Grade	Binder	Grain size	Hardness [HV10]	Hardness [HRA]	Fracture toughness (SEVNB) [MPa*m$^{1/2}$]	Transverse rupture strength [MPa]
KCR18+	9,5	submicron	1590	91,7	10,8	3750

Indexable knives
Our range of indexable knives has been specially developed for the production of window tools. Thanks to their excellent grinding quality our knives achieve both longer service life and an improved surface quality.

Rectangular strips
The MG18 grade has been the standard for more than a decade in the field of primary wood machining. The new KCR18+ grade stands for performance and longer product life, and thus also for improved reliability in practice.
Our KCR18+ range includes rectangular strips with groove lines in various dimensions. Combining KCR18+ with groove lines, brazing becomes an easy process. KCR18+ is the ideal replacement for MG18. Whether profiling or planing, our new grade range always offers a solution for all your applications.

Indexable knives

We are constantly looking for new ways to make you even more productive and successful.
Our indexable knives have a worldwide reputation for high geometrical precision, resulting in an outstanding surface quality of the workpiece in a short space of time.
Always one step ahead: with our new coating for knives, we are the first to introduce a new and unique technology to the market which protects the cutting edge of the knife, thus crucially enhancing both tool life and cutting quality.

Grade recommendation

As each kind of wood has its own very specific properties, we offer a wide variety of grades in the field of wood machining. The table below will guide you in finding the right grade for your application.

Grade	Hardwood	Softwood	Chipboard	MDF	HDF
CeraShield*	● ● ● ● ●	● ● ● ● ●			
KCR02+			● ● ● ●	● ● ● ●	● ● ● ●
KCR08	● ● ● ●	● ●	● ● ●	● ● ●	● ● ●
KCR18+	● ●	● ● ● ●	● ●	● ●	● ●
CTOPP10	● ●	● ● ●	●	●	●
HE40		● ● ● ●			

* For more information please look further on page 12–15.

Go ahead with CeraShield. NEW!

Be a step ahead of your competitors

CeraShield is the latest innovation in the field of cutting technology from Toolmaker Solutions by CERATZIT providing best performance in both hardwood and softwood machining.

The unique grinding and coating process allows us to create a long-lasting cutting edge which practically rules out wear on the rake face.

With this application improvement in the production process, CeraShield supports more accurate price calculation and hence higher margins.

The longer tool life of CeraShield reduces the costs of your stock turnover as you can generate more profit while selling fewer goods.

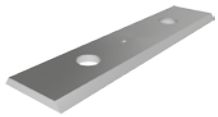
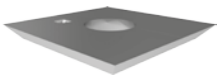
In addition, you can order our latest technology from stock, allowing quicker access and reduced stock costs – innovation just in time!

Let us convince your customers

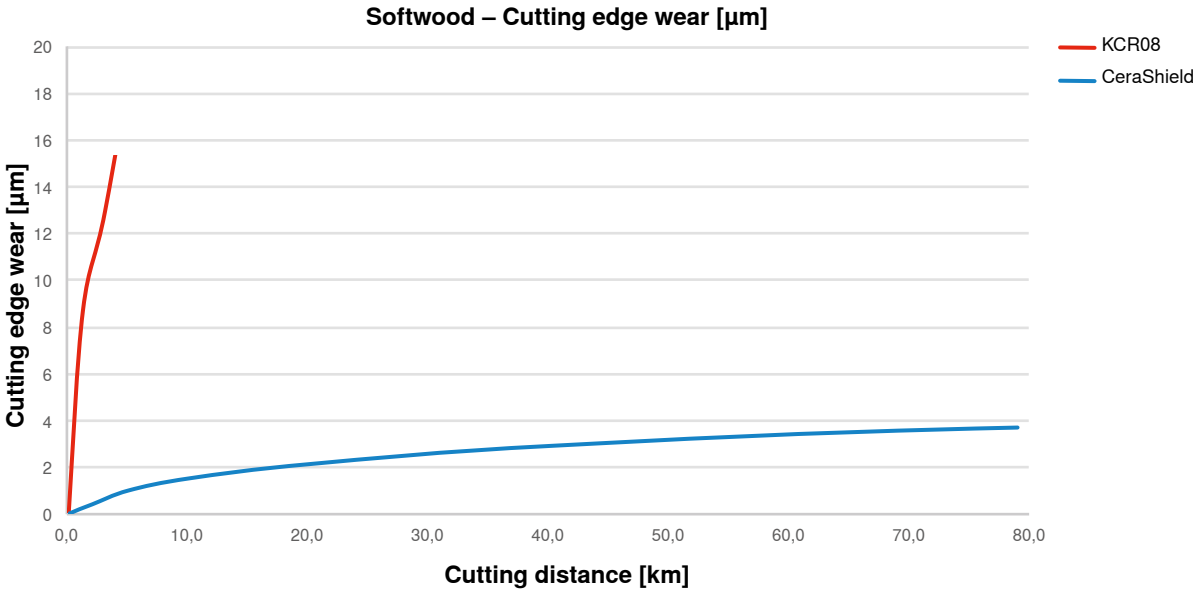
Advantages		Benefits
Fewer changes necessary due to tool wear	→	Minimised downtime increases productivity
Consistent cutting quality	→	Little or no further processing needed
Improved wood quality	→	Cost savings
Less wear	→	Better life cycle assessment within production and reduced waste disposal costs
Compatible with existing tooling systems	→	No aquisition costs

The following types of CeraShield are available:

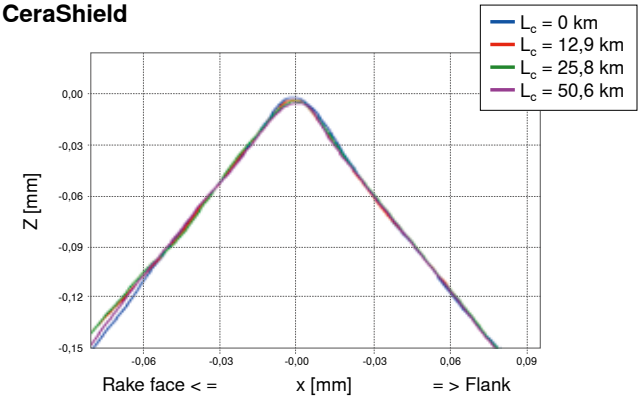
- Scorers in various dimensions (12*12, 14*14, 15*15)
- Long knives of different lengths with 1 or 2 holes
- Long knives of different lengths with 4 cutting edges and 2 holes

Product overview			Material number
	Indexable knives with 2 cutting edges	CTK ST 15.0x12.0x1.5 CS1	12006172
		CTK ST 20.0x12.0x1.5 CS1	12006173
		CTK ST 30.0x12.0x1.5 CS1	12006175
		CTK ST 40.0x12.0x1.5 CS1	12006177
		CTK ST 50.0x12.0x1.5 CS1	12006178
	Indexable knives with 4 cutting edges	CTK FC 19.5x12.0x1.5 CS1	12006174
		CTK FC 29.5x12.0x1.5 CS1	12006176
		CTK FC 49.2x12.0x1.5 CS1	12006179
	Scorers with 4 cutting edges	CTK FC 12.0X12.0X1.5 CS1	12005682
		CTK SC 14.0X14.0X2.0 CS1	12146584
		CTK SC 15.0X15.0X2.5 R0.5 CS1	12146582

CeraShield – more performance for softwood

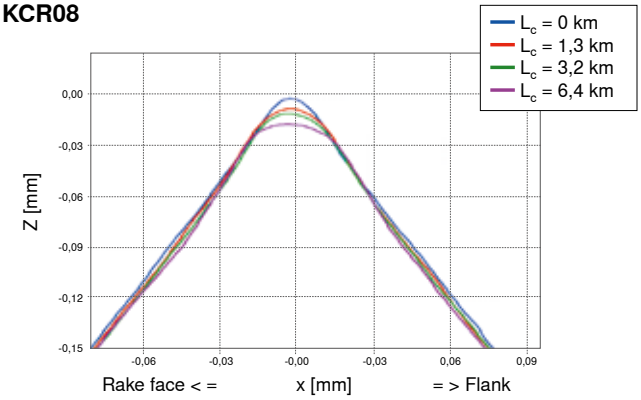


CeraShield



L_c = Cutting distance

KCR08



L_c = Cutting distance

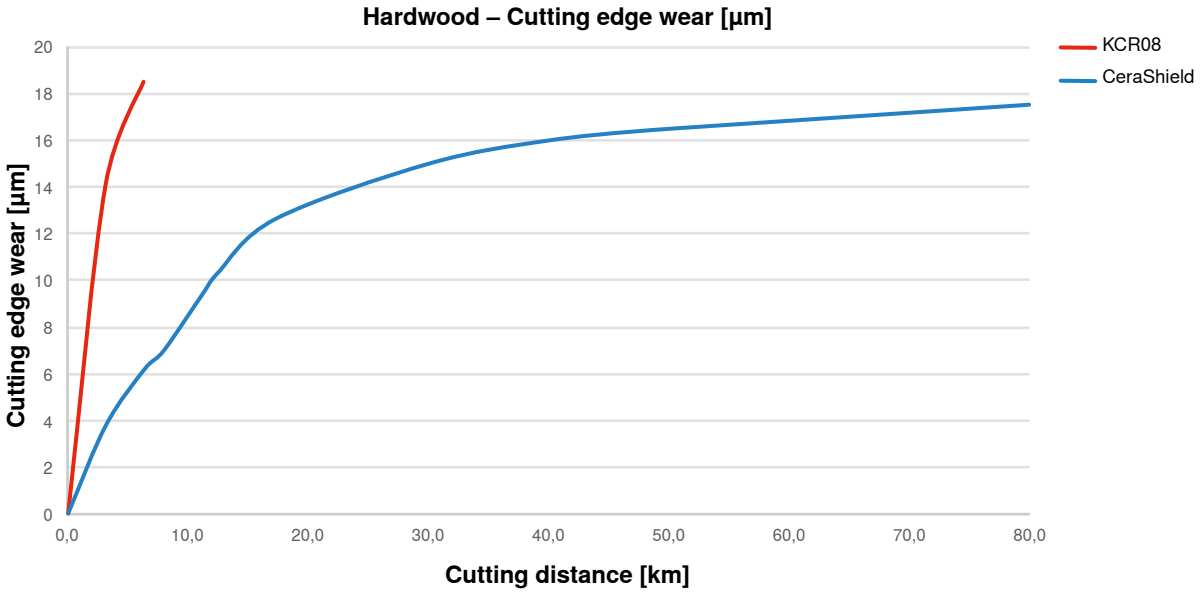
See for yourself

With Cerashield you can look forward to a clear increase in productivity in direct comparison with uncoated knives of grade KCR08.

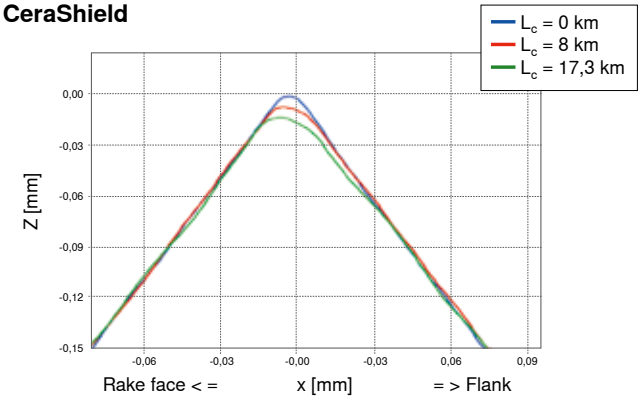
Thanks to a special coating and grinding process you can benefit from a long-lasting cutting edge, which not only makes the machining of softwood easier but also offers a better cost-benefit ratio.

You can count on the technology leader for wood machining!

CeraShield – more performance for hardwood

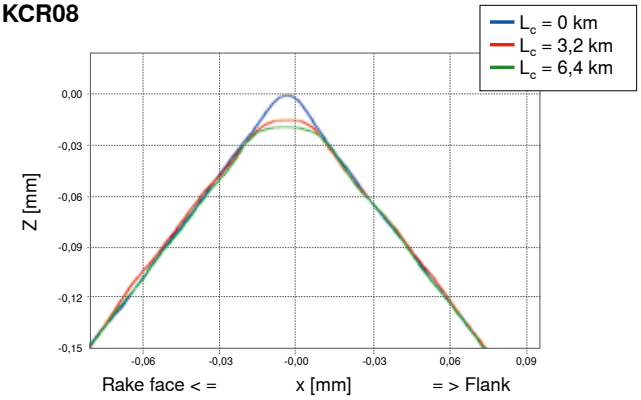


CeraShield



L_c = Cutting distance

KCR08



L_c = Cutting distance

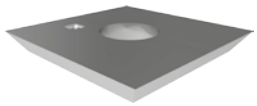
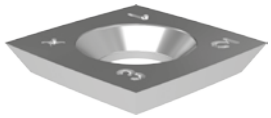
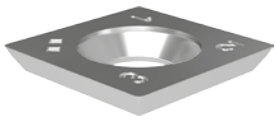
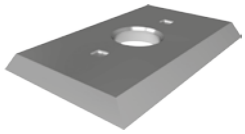
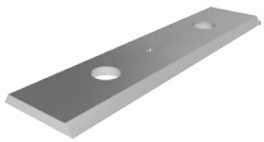
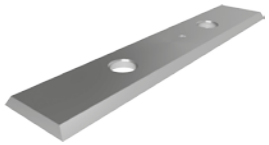
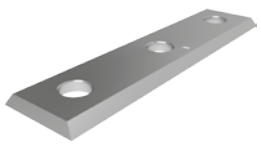
Coating makes the difference

CeraShield not only reduces cutting edge wear, in the long run it also allows you to achieve a better quality of cut when machining hardwood.

Thanks to our recently developed coating process, you can look forward to a clear increase in productivity compared to uncoated knives in grade KCR08.

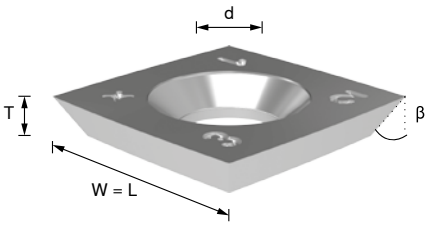
You can count on the innovation generator of the sector - Toolmaker Solutions by CERATIZIT.

Most popular

	CTK FC 12.0x12.0x1.5 35°	**KCR02+** **KCR08** **CTOPP10**	11956674 80360030 11820512
	CTK SC 14.0x14.0x2.0 30°	**KCR02+** **KCR08** **CTOPP10**	11956690 80359802 11742545
	CTK SC 15.0x15.0x2.5 R05 30°	**KCR02+** **KCR08**	12006643 82022498
	CTK ST 20.0x12.0x1.5 35°	**KCR02+** **KCR08** **CTOPP10**	11956682 80358831 11791002
	CTK ST 30.0x12.0x1.5 35°	**KCR02+** **KCR08** **CTOPP10**	11938347 80358833 11742547
	CTK ST 50.0x12.0x1.5 35°	**KCR02+** **KCR08** **CTOPP10**	11938348 80358835 11742544
	CTK ST 80.0x13.0x2.2 35°	**KCR08**	80360069
	CTK FC 49.2x12.0x1.5 35°/20°	**KCR08**	80360089
	CTK FC 50.0x12.0x1.7 3H 35°/20°	**KCR08**	80358958

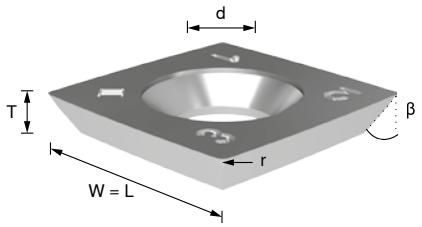
Full range

CTK SC



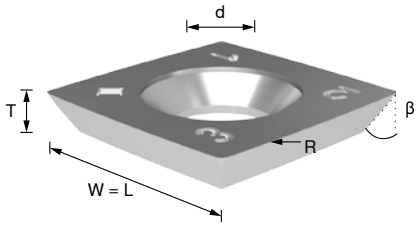
L [mm]	W [mm]	T [mm]	d [mm]	β [°]	Remark	KCR18+	KCR08	KCR02+	CTOPP10
10.5	10.5	1.5	4.0	35		12156411	11804575		12054627
13.4	13.4	1.5	6.4	30	no grade marking				12114133
13.6	13.6	2.0	6.4	45					12054629
14.0	14.0	1.2	8.5	30			11498131		12004928
14.0	14.0	1.7	8.5	30			12137477		12118225
14.0	14.0	2.0	6.4	30		12156413	80359802	11956690	11742545
14.3	14.3	2.5	6.4	35	no grade marking		82020648		
14.6	14.6	2.5	6.4	30			11444230		
15.0	15.0	2.5	6.2	30			11815708		11829045
15.0	15.0	2.5	6.4	37			11978167		
21.0	21.0	5.5	7.1	40	special shape with grooves				11962866

CTK SC R0.5



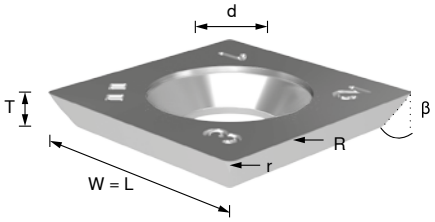
L [mm]	W [mm]	T [mm]	d [mm]	r [mm]	β [°]	KCR08	KCR02+
15.0	15.0	2.5	6.4	0.5	30	82022498	12006643
15.0	15.0	2.5	6.4	0.5	37	82022499	

CTK SC R



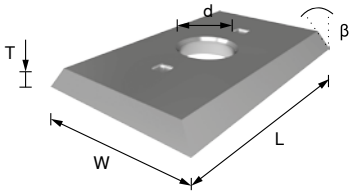
L [mm]	W [mm]	T [mm]	d [mm]	R [mm]	β [°]	CTOPP10
15.0	15.0	2.5	6.3	95	30	11778838
15.0	15.0	2.5	6.3	115	30	11789902
15.0	15.0	2.5	6.3	150	30	11789899

CTK SC R R0.5



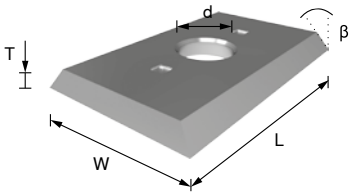
L [mm]	W [mm]	T [mm]	d [mm]	r [mm]	R [mm]	β [°]	KCR08	CTOPP10
13.8	13.8	2.5	6.3	0.5	150	30	12100185	
15.0	15.0	2.5	6.3	0.5	50	30	11721820	11918428
15.0	15.0	2.5	6.3	0.5	115	30	82019711	11827617
15.0	15.0	2.5	6.3	0.5	150	30	12112633	11827613

CTK ST 1 hole



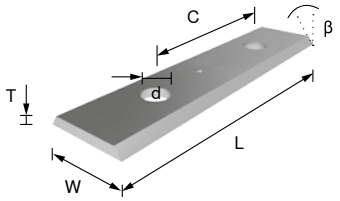
L [mm]	W [mm]	T [mm]	d [mm]	β [°]	Surface finish	KCR18+	KCR08	KCR02+	HE40	CTOPP10
7.5	12.0	1.5	4.1	45	ground	12156425				
9.6	12.0	1.5	4.1	35	ground					11791000
9.6	12.0	1.5	4.1	45	micropolish	12156424				
15.0	12.0	1.5	4.1	35	ground		80360018	11956726		11791001
15.0	12.0	1.5	4.1	45	ground	12156421				

CTK ST 1 hole



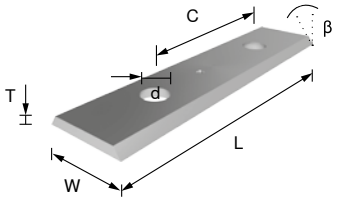
L [mm]	W [mm]	T [mm]	d [mm]	β [°]	Surface finish	KCR18+	KCR08	KCR02+	HE40	CTOPP10
15.0	12.0	1.5	4.1	45	micropolish	12156423			80359045	
15.7	12.0	1.5	4.1	35	ground		80360019			
17.0	12.0	1.5	4.1	35	ground		80360020			
20.0	12.0	1.5	4.1	35	ground		80358831	11956682		11791002
20.0	12.0	1.5	4.1	45	ground	12156419				12054631
20.0	12.0	1.5	4.1	45	micropolish	12156420			80357973	
24.7	12.0	1.5	4.1	35	ground		80360023			
24.7	12.0	1.5	4.1	45	ground	12156417				

CTK ST 2 holes



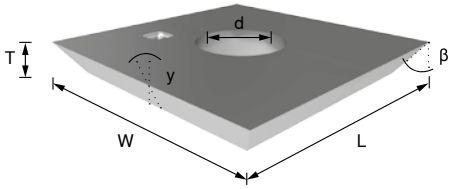
L [mm]	W [mm]	T [mm]	C [mm]	d [mm]	β [°]	Surface finish	KCR08	KCR18+	HE40	KCR02+	CTOPP10
24.7	12.0	1.5	14	4.1	35	ground	80360024				
30.0	12.0	1.5	14	4.1	35	ground	80358833			11938347	11742547
30.0	12.0	1.5	14	4.1	45	ground		12150696			12002500
30.0	12.0	1.5	14	4.1	45	micropolish		12156414	80357974		
30.0	12.0	2.5	14	4.1	35	ground	12054645				
40.0	12.0	1.5	26	4.1	35	ground	80360025			11956684	11791003
40.0	12.0	1.5	26	4.1	45	ground		12156629			
40.0	12.0	1.5	26	4.1	45	micropolish		12156630	80359046		12054635
50.0	12.0	1.5	26	4.1	35	ground	80358835			11938348	11742544
50.0	12.0	1.5	26	4.1	45	ground		12150685			
50.0	12.0	1.5	26	4.1	45	micropolish		12121293	80357975		12054640
60.0	12.0	1.5	26	4.1	35	ground	80360026			11956687	11791004

CTK ST 2 holes



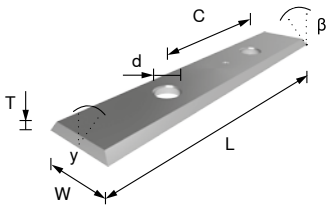
L [mm]	W [mm]	T [mm]	C [mm]	d [mm]	β [°]	Surface finish	KCR08	KCR18+	HE40	KCR02+	CTOPP10
60.0	12.0	1.5	26	4.1	45	micropolish		12156628	80359047		
60.0	12.0	1.5	26	4.1	45	ground		12156627			12054641
80.0	13.0	2.2	60	4.1	35	ground	80360069				
80.0	13.0	2.2	60	4.1	45	micropolish		12156620	80359048		12054643
100.0	13.0	2.2	60	4.1	35	ground	80360084				
120.0	13.0	2.2	60	4.1	35	ground	80360085				

CTK FC 1 hole



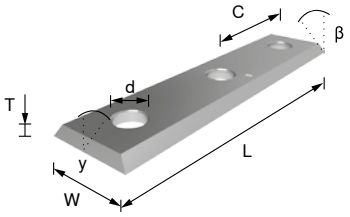
L [mm]	W [mm]	T [mm]	d [mm]	β [°]	γ [°]	Surface finish	KCR08	KCR18+	KCR02+	CTOPP10
9.0	12.0	1.5	4.1	35	20	ground	12156617			
10.5	10.5	1.5	4.1	35	35	ground	80360027			
12.0	12.0	1.5	4.1	35	35	ground	80360030		11956674	11820512
12.0	12.0	1.5	4.1	45	45	ground		12156618		
12.0	12.0	1.5	4.1	45	45	micropolish		12156740		
17.0	17.0	2.0	4.1	35	35	ground	80360028			
19.0	19.0	2.0	4.1	35	35	ground	80360029			
19.5	12.0	1.5	4.1	35	20	ground	12089523			

CTK FC 2 holes



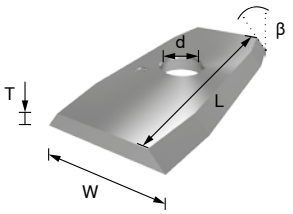
L [mm]	W [mm]	T [mm]	C [mm]	d [mm]	β [°]	γ [°]	Surface finish	KCR08	KCR02+	CTOPP10
29.5	9.0	1.5	14	4.1	35	20	ground	80360081		
29.5	12.0	1.5	14	4.1	35	20	ground	80360082	12054381	11812696
49.2	9.0	1.5	26	4.1	35	20	ground	80360083	12115072	
49.2	12.0	1.5	26	4.1	35	20	ground	80360089	12125307	
59.2	12.0	1.5	26	4.1	35	20	ground	12028637		

CTK FC 3 holes



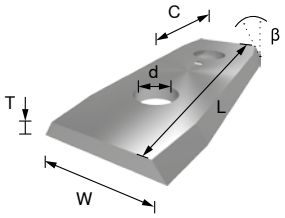
L [mm]	W [mm]	T [mm]	C [mm]	d [mm]	β [°]	γ [°]	Surface finish	KCR08	KCR02+
50.0	12.0	1.7	18.5	4.1	35	20	ground	80358958	12098694

CTK ST BO 1 hole



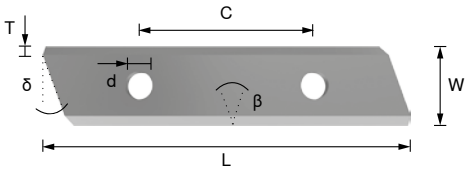
L [mm]	W [mm]	T [mm]	d [mm]	β [°]	KCR08	KCR18+
20.0	12.0	1.5	4.1	35		12156743
24.0	12.0	1.5	4.1	40	11952447	
24.7	12.0	1.5	4.1	40	12145464	

CTK ST BO 2 holes



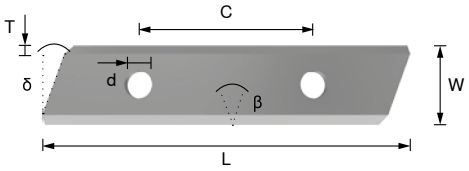
L [mm]	W [mm]	T [mm]	C [mm]	d [mm]	β [°]	KCR08
30.0	12.0	1.5	14	4.1	35	12071624

CTK SK LE



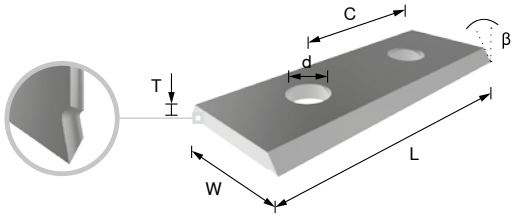
L [mm]	W [mm]	T [mm]	C [mm]	d [mm]	β [°]	δ [°]	KCR08
29.5	12.0	1.5	14	4.1	35	5	80360077
49.5	12.0	1.5	26	4.1	35	5	80360079

CTK SK RI



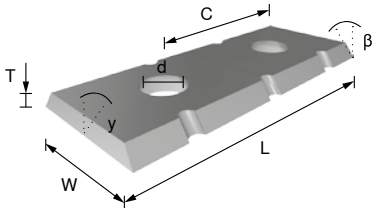
L [mm]	W [mm]	T [mm]	C [mm]	d [mm]	β [°]	δ [°]	KCR08
29.5	12.0	1.5	14	4.1	35	5	80360078
49.5	12.0	1.5	26	4.1	35	5	80360080

CTK ST CB



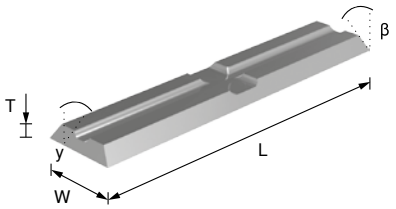
L [mm]	W [mm]	T [mm]	C [mm]	d [mm]	β [°]	HE40
20.0	12.0	1.5	0	4.1	35	80357984
30.0	12.0	1.5	14	4.1	35	80357985
50.0	12.0	1.5	26	4.1	35	80357986

CTK FC CB



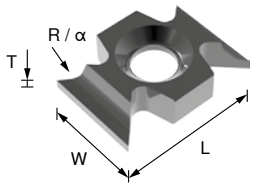
L [mm]	W [mm]	T [mm]	C [mm]	d [mm]	β [°]	γ [°]	KCR08
18.5	12.0	1.5	0	4.1	35	10	11506263
28.5	12.0	1.5	14	4.1	35	10	11506260

CTK MK BCG



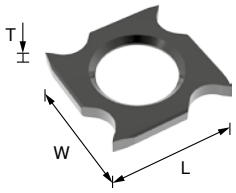
L [mm]	W [mm]	T [mm]	β [°]	γ [°]	KCR08
20.0	4.1	1.1	35	20	11996997
20.0	5.5	1.1	35	20	11998682
25.0	5.5	1.1	35	20	11996996
30.0	5.5	1.1	35	20	11998684
40.0	5.5	1.1	35	20	11998685
50.0	5.5	1.1	35	20	11998686

CTK CH



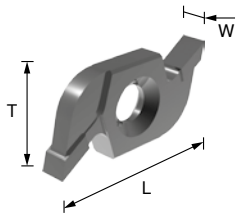
L [mm]	W [mm]	T [mm]	R [mm]	α [°]	KCR08	CTOPP10
22.0	16.0	5.0		45	11498133	11921629
22.0	16.0	5.0	1.0		12003893	11921631
22.0	16.0	5.0	1.5		11844764	11921633
22.0	16.0	5.0	2.0		11716752	11921635
22.0	16.0	5.0	2.5		11716750	11921636
22.0	16.0	5.0	3.0		11498136	11921638
22.0	16.0	5.0	5.0		12003894	11921640

CTK GR type 1



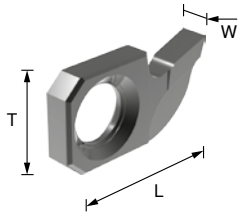
L [mm]	W [mm]	T [mm]	KCR08
14.00	14.00	2.00	12120335
14.00	14.00	2.50	12131506
14.00	14.00	3.00	12114136
18.00	18.00	1.95	11773916
18.00	18.00	2.50	11621998
18.00	18.00	2.95	12096095
18.00	18.00	3.70	11621999
18.00	18.00	4.00	12054594

CTK GR type 2



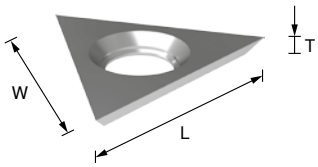
L [mm]	W [mm]	T [mm]	CTOPP10
34.0	16.0	3.2	11921649
34.0	16.0	4.0	11921650
34.0	16.0	5.0	11921651

CTK GR type 3



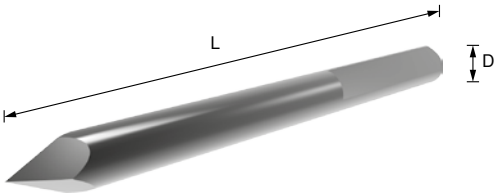
L [mm]	W [mm]	T [mm]	CTOPP10
24.5	13.0	3.0	11921643
24.5	13.0	4.0	11921646
24.5	13.0	5.0	11921648

CTK SC 3CUT



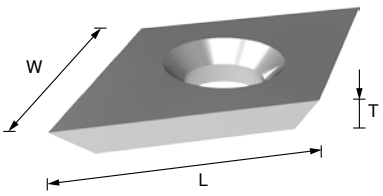
L [mm]	W [mm]	T [mm]	KCR08	CTOPP10
22.0	19.5	2.0	12099425	12054630

CTK CP



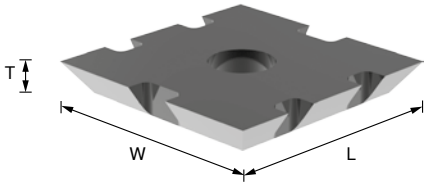
L [mm]	D [mm]	KCR18+
33.5	3.0	12156749

CTK SC RHO



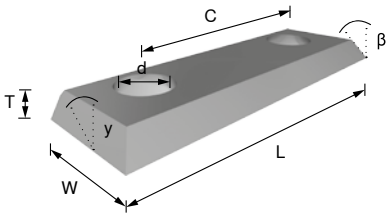
L [mm]	W [mm]	T [mm]	KCR08
14.0	14.0	2.0	12054654

CTK FC CB



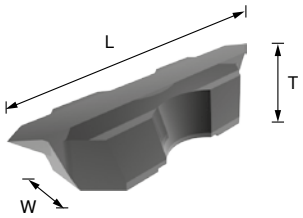
L [mm]	W [mm]	T [mm]	KCR18+
15.0	15.0	2.0	12156746

CTK ISO



L [mm]	W [mm]	T [mm]	C [mm]	d [mm]	β [°]	γ [°]	Surface finish	KCR08
16.0	7.0	1.5	7	3.4	35	30	ground	12004870
23.0	7.0	1.5	14	3.4	35	30	ground	12004871
28.0	7.0	1.5	14	3.4	35	30	ground	12004877

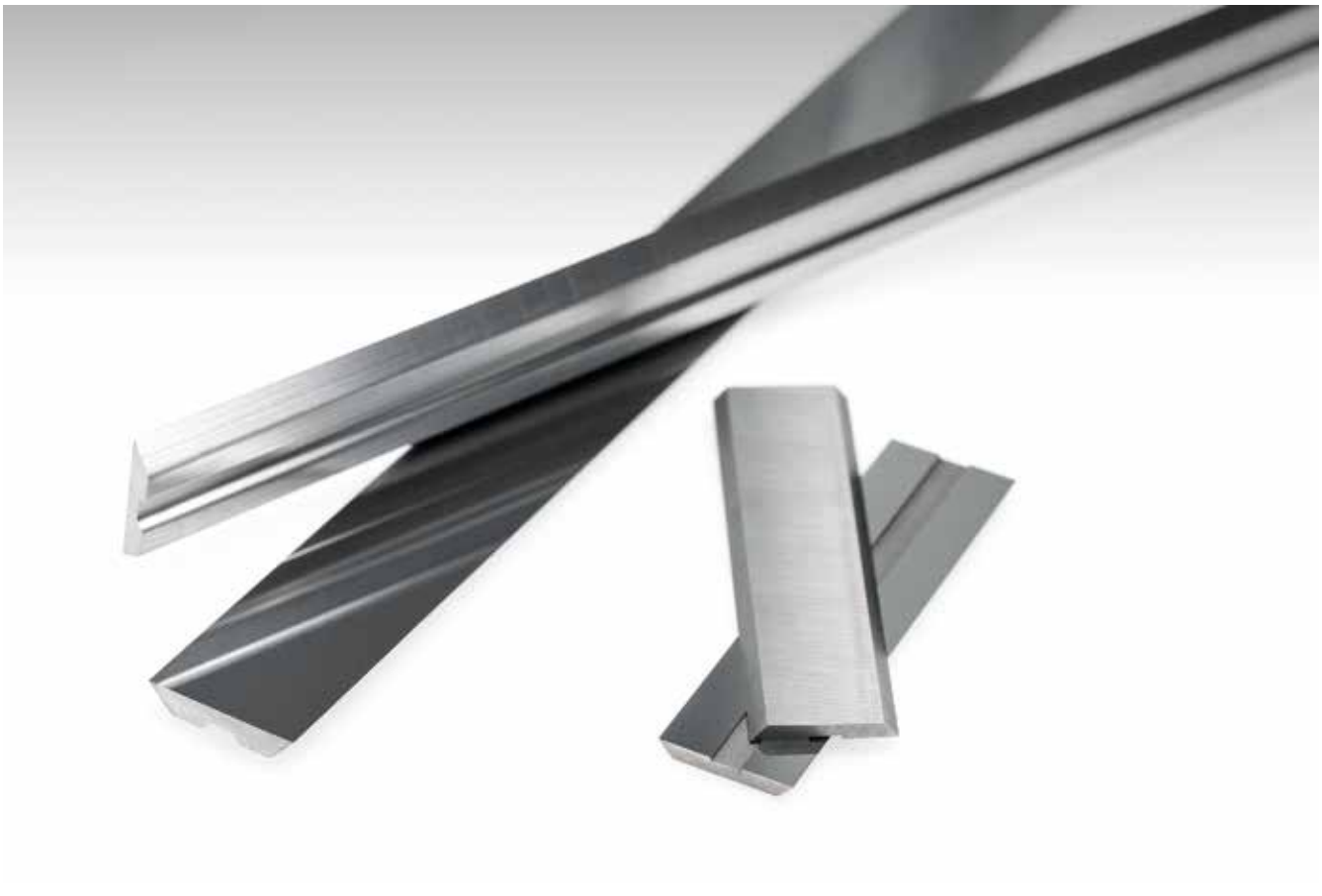
CTK SC



L [mm]	W [mm]	T [mm]	KCR08
18.0	5.7	3.5	11670721

Planer blades

Planer blades with specially designed inlays made of carbide significantly reduce the weight of the finished tool.

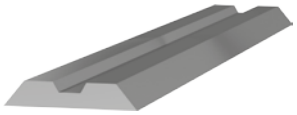
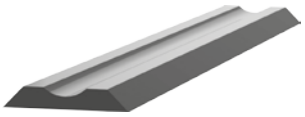
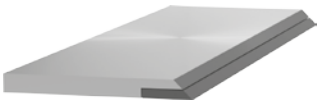
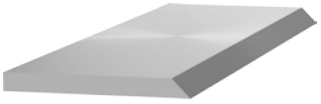
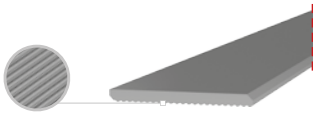
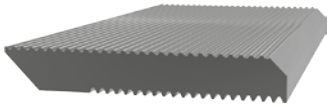
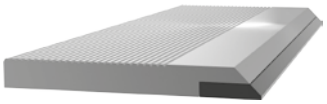
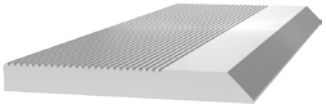
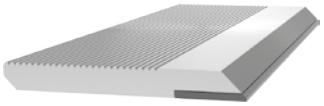
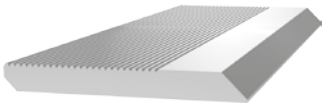


Grade recommendation

As each kind of wood has its own very specific properties, we offer a wide variety of grades in the field of wood machining. The table below will guide you in finding the right grade for your application.

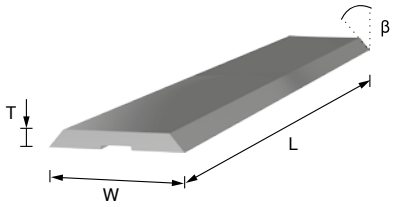
Grade	Hardwood	Softwood	Chipboard	MDF	HDF
MG18	● ● ●	● ● ●	● ●	● ●	● ●
HPS	● ●	● ● ● ●	●	●	●

Portfolio – overview

	Type, description	Most popular	Full range
	CTK BZ (BULLDOZER)	MG18	MG18
	CTK CL (CENTERLOCK)	HPS / MG18	HPS / MG18
	CTK TM (TERMINUS)	MG18	MG18
	CTK TP (Tungsten Carbide Tipped)	TCT	TCT
	CTK TP	HPS	HPS
	CTE PAC		MG18
	CTE BP		Steel
	CTBL BCFB (Tungsten Carbide Tipped)		TCT
	CTBL BCFB		HPS
	CTBL BCWC (Tungsten Carbide Tipped)		TCT
	CTBL BCWC		HPS

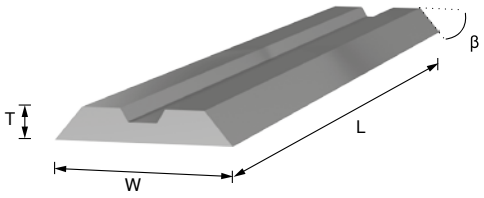
Most popular

CTK BZ (BULLDOZER)



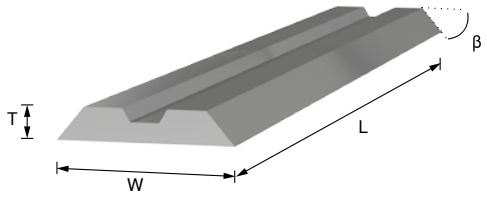
L [mm]	W [mm]	T [mm]	β [°]	MG18
100	13.6	1.8	40	11229423
120	13.6	1.8	40	11198625
130	13.6	1.8	40	11198626
150	13.6	1.8	40	11245551
180	13.6	1.8	40	11220636
230	13.6	1.8	40	11198628
240	13.6	1.8	40	11245557

CTK CL (CENTROLOCK)



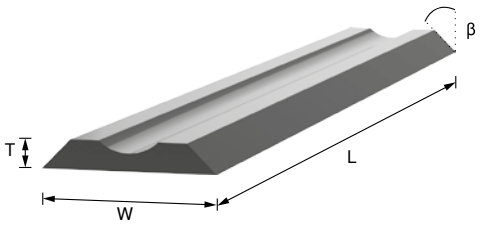
L [mm]	W [mm]	T [mm]	β [°]	HPS	MG18
60	16.0	3.0	50		6270970
80	16.0	3.0	50		6270983
100	16.0	3.0	50		6270985
130	16.0	3.0	50	1343472	6270987
150	16.0	3.0	50		6270988
170	16.0	3.0	50		6270990
190	16.0	3.0	50		6270992
200	16.0	3.0	50		6270994
210	16.0	3.0	50		6271212
230	16.0	3.0	50	1343479	6271214

CTK CL (CENTROLOCK)



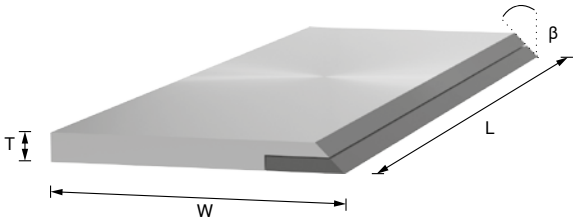
L [mm]	W [mm]	T [mm]	β [°]	HPS	MG18
240	16.0	3.0	50	1343481	6271338
250	16.0	3.0	50		6271339
270	16.0	3.0	50	1343483	6271341
310	16.0	3.0	50		6271346

CTK TM (TERMINUS)



L [mm]	W [mm]	T [mm]	β [°]	MG18
100	14.1	2.56	40	11852107
130	14.1	2.56	40	11852112
150	14.1	2.56	40	11852113
180	14.1	2.56	40	11852118
230	14.1	2.56	40	11852126
650	14.1	2.56	40	11852401

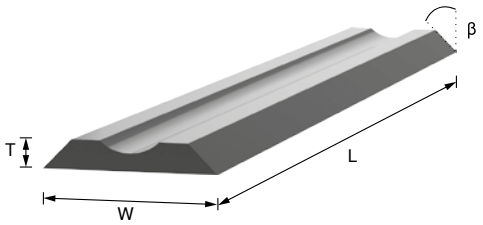
CTK TP (Tungsten Carbide Tipped)



L [mm]	W [mm]	T [mm]	β [°]	TCT
130	30	3.0	40	1344624
1050	35	3.0	40	1344700

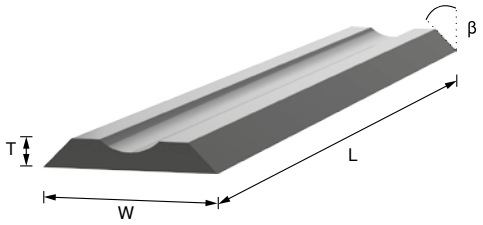
Full range

CTK TM (TERMINUS)



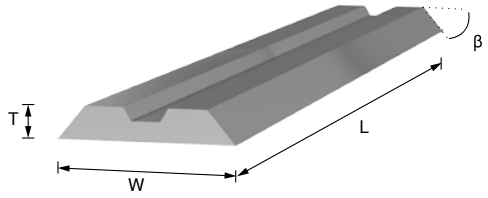
L [mm]	W [mm]	T [mm]	β [°]	MG18
80	14.1	2.56	40	11852103
100	14.1	2.56	40	11852107
110	14.1	2.56	40	11852108
120	14.1	2.56	40	11852109
130	14.1	2.56	40	11852112
150	14.1	2.56	40	11852113
160	14.1	2.56	40	11852115
170	14.1	2.56	40	11852116
180	14.1	2.56	40	11852118
190	14.1	2.56	40	11852120
200	14.1	2.56	40	11852121
210	14.1	2.56	40	11852123
220	14.1	2.56	40	11852124
230	14.1	2.56	40	11852126
240	14.1	2.56	40	11852127
250	14.1	2.56	40	11852128
260	14.1	2.56	40	11852130
270	14.1	2.56	40	11852142
280	14.1	2.56	40	11852144
300	14.1	2.56	40	11852145
310	14.1	2.56	40	11852147
350	14.1	2.56	40	11852379
360	14.1	2.56	40	11852380
400	14.1	2.56	40	11852382
410	14.1	2.56	40	11852386
420	14.1	2.56	40	11852388

CTK TM (TERMINUS)



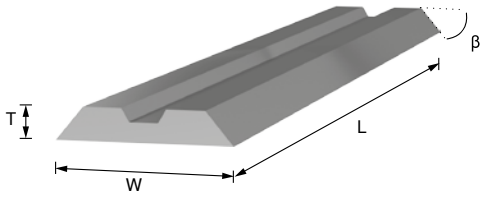
L [mm]	W [mm]	T [mm]	β [°]	MG18
430	14.1	2.56	40	11852389
450	14.1	2.56	40	11852390
480	14.1	2.56	40	11852391
510	14.1	2.56	40	11852392
520	14.1	2.56	40	11852393
530	14.1	2.56	40	11852394
610	14.1	2.56	40	11852395
620	14.1	2.56	40	11852396
630	14.1	2.56	40	11852397
640	14.1	2.56	40	11852399
650	14.1	2.56	40	11852401

CTK CL (CENTROLOCK)



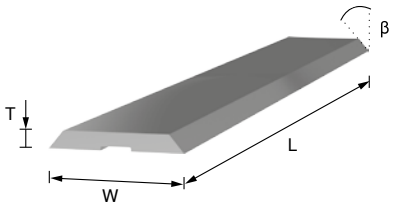
L [mm]	W [mm]	T [mm]	β [°]	HPS	MG18
20	16.0	3.0	50	1343466	6270969
60	16.0	3.0	50	1343467	6270970
80	16.0	3.0	50	1343468	6270983
100	16.0	3.0	50	1343469	6270985
110	16.0	3.0	50		6270986
115	16.0	3.0	50	1343470	11270812
120	16.0	3.0	50	1343471	11609585
130	16.0	3.0	50	1343472	6270987
140	16.0	3.0	50	1343473	

CTK CL (CENTROLOCK)



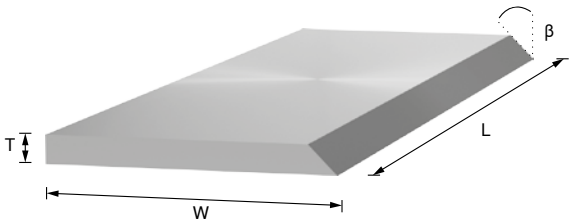
L [mm]	W [mm]	T [mm]	β [°]	HPS	MG18
150	16.0	3.0	50	1343474	6270988
160	16.0	3.0	50		6270989
170	16.0	3.0	50	1343475	6270990
180	16.0	3.0	50	1343476	6270991
190	16.0	3.0	50	1343477	6270992
200	16.0	3.0	50		6270994
210	16.0	3.0	50	1343478	6271212
220	16.0	3.0	50		6271213
230	16.0	3.0	50	1343479	6271214
235	16.0	3.0	50	1343480	
240	16.0	3.0	50	1343481	6271338
250	16.0	3.0	50		6271339
260	16.0	3.0	50	1343482	6271340
270	16.0	3.0	50	1343483	6271341
275	16.0	3.0	50		6271342
280	16.0	3.0	50		6271344
300	16.0	3.0	50	1343484	11444439
310	16.0	3.0	50	1343485	6271346
350	16.0	3.0	50		6271347
360	16.0	3.0	50	1343486	6271348
450	16.0	3.0	50		6271349
460	16.0	3.0	50	1343487	6271351
650	16.0	3.0	50	1343488	

CTK BZ (BULLDOZER)



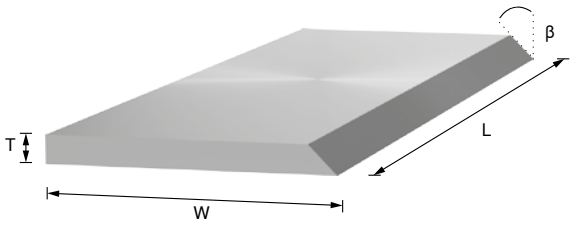
L [mm]	W [mm]	T [mm]	β [°]	MG18
100	13.6	1.8	40	11229423
120	13.6	1.8	40	11198625
130	13.6	1.8	40	11198626
150	13.6	1.8	40	11245551
160	13.6	1.8	40	11220634
180	13.6	1.8	40	11220636
190	13.6	1.8	40	11198627
200	13.6	1.8	40	11229422
210	13.6	1.8	40	11220639
230	13.6	1.8	40	11198628
240	13.6	1.8	40	11245557
245	13.6	1.8	40	11220641
265	13.6	1.8	40	11220643

CTK TP (HPS)



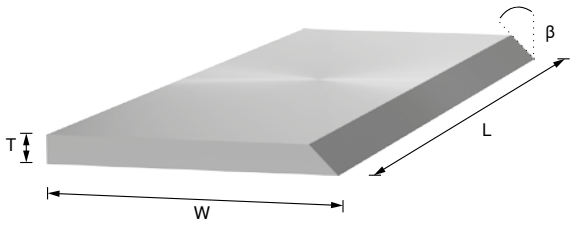
L [mm]	W [mm]	T [mm]	β [°]	HPS
40	30	3.0	40	1344540
60	30	3.0	40	1344541
60	35	3.0	40	1344579
80	30	3.0	40	1344542
80	35	3.0	40	1344580
100	30	3.0	40	1344543
100	35	3.0	40	1344581

CTK TP (HPS)



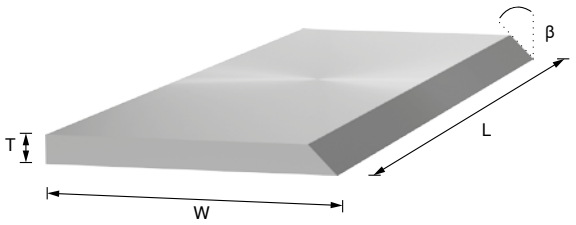
L [mm]	W [mm]	T [mm]	β [°]	HPS
110	30	3.0	40	1344544
110	35	3.0	40	1344582
120	30	3.0	40	1344545
120	35	3.0	40	1344583
130	30	3.0	40	1344546
130	35	3.0	40	1344584
140	30	3.0	40	1344547
150	30	3.0	40	1344548
150	35	3.0	40	1344585
160	30	3.0	40	1344549
170	30	3.0	40	1344550
180	30	3.0	40	1344551
180	35	3.0	40	1344586
190	30	3.0	40	1344552
200	30	3.0	40	1344553
200	35	3.0	40	1344587
210	30	3.0	40	1344554
210	35	3.0	40	1344588
230	30	3.0	40	1344555
230	35	3.0	40	1344589
240	30	3.0	40	1344556
260	30	3.0	40	1344557
260	35	3.0	40	1344593
270	30	3.0	40	1344558
300	30	3.0	40	1344559
300	35	3.0	40	1344594
310	30	3.0	40	1344560
310	35	3.0	40	1344595
330	35	3.0	40	1344596

CTK TP (HPS)



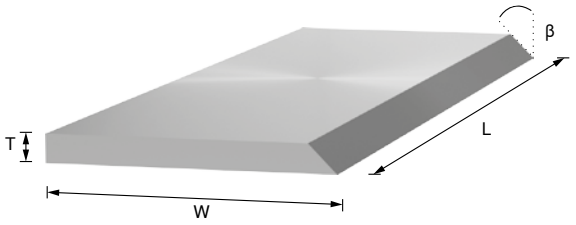
L [mm]	W [mm]	T [mm]	β [°]	HPS
350	30	3.0	40	1344561
400	30	3.0	40	1344562
400	35	3.0	40	1344597
410	30	3.0	40	1344563
410	35	3.0	40	1344598
480	35	3.0	40	1344599
500	30	3.0	40	1344564
500	35	3.0	40	1344600
510	25	3.0	40	1344538
510	30	3.0	40	1344565
510	35	3.0	40	1344601
520	30	3.0	40	1344566
520	35	3.0	40	1344602
530	30	3.0	40	1344567
530	35	3.0	40	1344603
600	30	3.0	40	1344568
600	35	3.0	40	1344604
610	30	3.0	40	1344569
610	35	3.0	40	1344605
630	30	3.0	40	1344570
630	35	3.0	40	1344606
640	30	3.0	40	1344571
640	35	3.0	40	1344607
680	35	3.0	40	1344608
710	30	3.0	40	1344572
710	35	3.0	40	1344609
810	30	3.0	40	1344573
810	35	3.0	40	1344610
820	30	3.0	40	1344574

CTK TP (HPS)



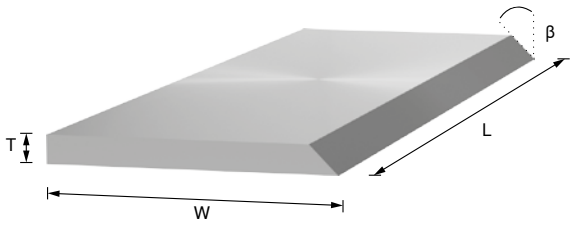
L [mm]	W [mm]	T [mm]	β [°]	HPS
820	35	3.0	40	1344611
910	30	3.0	40	1344575
1000	30	3.0	40	1344576
1010	35	3.0	40	1344612
1050	25	3.0	40	1344539
1050	30	3.0	40	1344577
1050	35	3.0	40	1344613

CTK TP (HPS) – inch



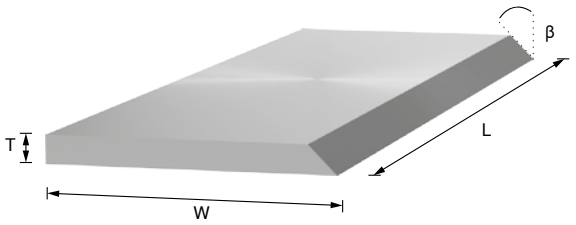
L [inch]	W [inch]	T [inch]	β [°]	HPS
4.000	0.625	0.094	40	1343287
4.000	0.625	0.125	40	1343288
4.000	0.750	0.125	40	1343289
6.000	0.625	0.094	40	1343290
6.000	0.625	0.125	40	1343291
6.000	0.750	0.094	40	1343292
6.000	0.750	0.125	40	1343293
6.000	1.000	0.125	40	1343294
8.000	0.625	0.094	40	1343295
8.000	0.625	0.125	40	1343296
8.000	0.750	0.094	40	1343297
8.000	0.750	0.125	40	1343298
8.000	1.000	0.125	40	1343299

CTK TP (HPS) – inch



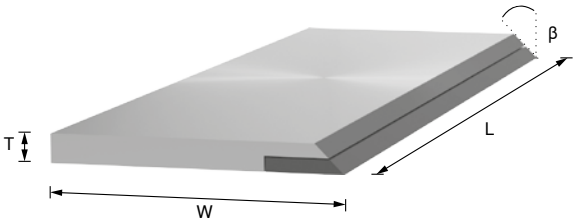
L [inch]	W [inch]	T [inch]	β [°]	HPS
12.000	0.750	0.125	40	1343301
12.000	1.000	0.125	40	1343302
12.000	1.125	0.125	40	1343303
12.000	1.250	0.156	40	1343304
12.500	0.750	0.125	40	1343305
13.000	0.625	0.125	40	1343307
13.000	1.000	0.125	40	1343306
14.000	0.750	0.125	40	1343308
15.000	1.000	0.125	40	1343309
16.000	1.000	0.125	40	1343310
18.000	1.000	0.125	40	1343311
20.000	1.000	0.125	40	1343312
24.800	0.625	0.125	40	1343313
24.800	0.750	0.125	40	1343314
24.800	0.875	0.125	40	1343315
24.800	1.000	0.125	40	1343316
24.800	1.125	0.125	40	1343317
24.800	1.189	0.125	40	1343318
24.800	1.250	0.125	40	1343319
24.800	1.250	0.156	40	1343320
24.800	1.375	0.125	40	1343321
24.800	1.375	0.156	40	1343322
37.000	0.625	0.125	40	1343323
37.000	0.750	0.125	40	1343324
37.000	1.000	0.125	40	1343325
37.000	1.125	0.125	40	1343326
37.000	1.189	0.125	40	1343327
37.000	1.189	0.156	40	1343332
37.000	1.250	0.125	40	1343328

CTK TP (HPS) – inch



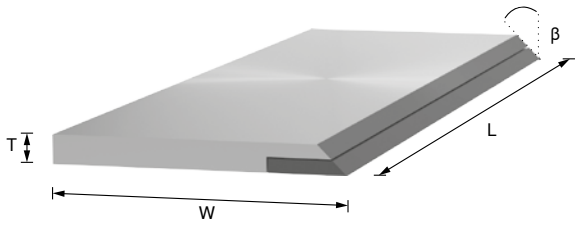
L [inch]	W [inch]	T [inch]	β [°]	HPS
37.000	1.250	0.156	40	1343333
37.000	1.375	0.125	40	1343329
37.000	1.375	0.156	40	1343334
37.000	1.500	0.125	40	1343330
37.000	1.500	0.156	40	1343335
37.000	2.000	0.125	40	1343331
37.000	2.000	0.156	40	1343336

CTK TP (Tungsten Carbide Tipped)



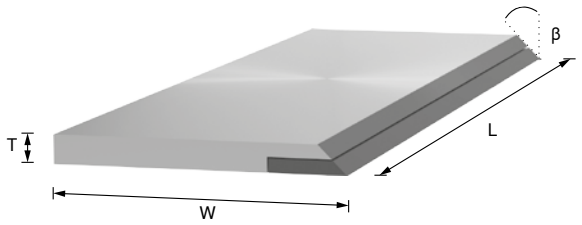
L [mm]	W [mm]	T [mm]	β [°]	TCT
40	30	3.0	40	1344618
60	30	3.0	40	1344620
60	35	3.0	40	1344657
80	30	3.0	40	1344621
80	35	3.0	40	1344658
100	30	3.0	40	1344622
100	35	3.0	40	1344659
110	30	3.0	40	1344623
110	35	3.0	40	1344660
120	30	3.0	40	1344812
120	35	3.0	40	1344661
130	30	3.0	40	1344624
130	35	3.0	40	1344662

CTK TP (Tungsten Carbide Tipped)



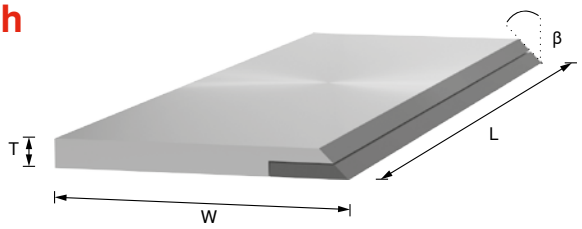
L [mm]	W [mm]	T [mm]	β [°]	TCT
140	30	3.0	40	1344625
150	30	3.0	40	1344626
150	35	3.0	40	1344663
160	30	3.0	40	1344627
170	30	3.0	40	1344628
180	30	3.0	40	1344629
180	35	3.0	40	1344664
190	30	3.0	40	1344630
200	30	3.0	40	1344631
200	35	3.0	40	1344665
210	30	3.0	40	1344632
210	35	3.0	40	1344666
230	30	3.0	40	1344633
230	35	3.0	40	1344667
240	30	3.0	40	1344634
260	30	3.0	40	1344635
260	35	3.0	40	1344668
270	30	3.0	40	1344636
300	30	3.0	40	1344637
300	35	3.0	40	1344669
310	30	3.0	40	1344638
310	35	3.0	40	1344670
330	35	3.0	40	1344671
350	30	3.0	40	1344639
400	35	3.0	40	1344640
400	35	3.0	40	1344672
410	30	3.0	40	1344641
410	35	3.0	40	1344673
480	35	3.0	40	1344674

CTK TP (Tungsten Carbide Tipped)



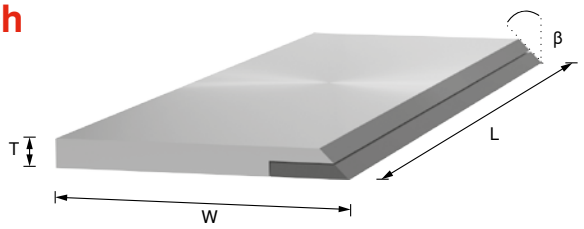
L [mm]	W [mm]	T [mm]	β [°]	TCT
500	30	3.0	40	1344642
500	35	3.0	40	1344675
510	25	3.0	40	1344616
510	30	3.0	40	1344643
510	35	3.0	40	1344676
520	30	3.0	40	1344644
520	35	3.0	40	1344677
530	30	3.0	40	1344645
530	35	3.0	40	1344678
600	30	3.0	40	1344646
600	35	3.0	40	1344691
610	30	3.0	40	1344647
610	35	3.0	40	1344692
630	30	3.0	40	1344648
630	35	3.0	40	1344693
640	30	3.0	40	1344649
640	35	3.0	40	1344694
680	35	3.0	40	1344695
710	30	3.0	40	1344650
710	35	3.0	40	1344696
810	30	3.0	40	1344651
810	35	3.0	40	1344697
820	30	3.0	40	1344652
820	35	3.0	40	1344698
910	30	3.0	40	1344654
1000	30	3.0	40	1344655
1010	35	3.0	40	1344699
1050	25	3.0	40	1344617
1050	30	3.0	40	1344656
1050	35	3.0	40	1344700

CTK TP (Tungsten Carbide Tipped) – inch



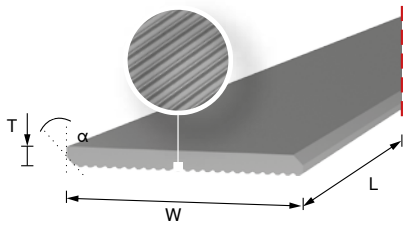
L [inch]	W [inch]	T [inch]	β [°]	TCT
4.000	0.625	0.125	40	1343546
4.000	0.750	0.125	40	1343547
6.000	0.625	0.125	40	1343548
6.000	0.750	0.125	40	1343549
6.000	1.000	0.125	40	1343550
8.000	0.625	0.125	40	1344050
8.000	0.750	0.125	40	1344051
8.000	1.000	0.125	40	1344052
12.000	0.750	0.125	40	1344053
12.000	1.000	0.125	40	1344054
12.000	1.125	0.125	40	1344055
12.000	1.250	0.156	40	1344056
12.500	0.750	0.125	40	1344057
13.000	0.625	0.125	40	1344059
13.000	1.000	0.125	40	1344058
14.000	0.750	0.125	40	1344060
15.000	1.000	0.125	40	1344061
16.000	1.000	0.125	40	1344062
18.000	1.000	0.125	40	1344063
20.000	1.000	0.125	40	1344064
24.800	0.625	0.125	40	1344083
24.800	0.750	0.125	40	1344084
24.800	0.875	0.125	40	1344085
24.800	1.000	0.125	40	1344086
24.800	1.125	0.125	40	1344087
24.800	1.189	0.125	40	1344088
24.800	1.250	0.125	40	1344089
24.800	1.250	0.156	40	1344090
24.800	1.375	0.125	40	1344091

CTK TP (Tungsten Carbide Tipped) – inch



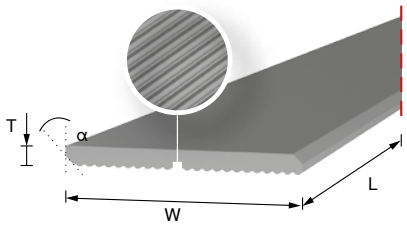
L [inch]	W [inch]	T [inch]	β [°]	TCT
24.800	1.375	0.156	40	1344092
37.000	0.625	0.125	40	1344094
37.000	0.750	0.125	40	1344095
37.000	1.000	0.125	40	1344096
37.000	1.125	0.125	40	1344097
37.000	1.189	0.125	40	1344098
37.000	1.189	0.156	40	1344103
37.000	1.250	0.125	40	1344099
37.000	1.250	0.156	40	1344105
37.000	1.375	0.125	40	1344100
37.000	1.375	0.156	40	1344106
37.000	1.500	0.125	40	1344101
37.000	1.500	0.156	40	1344107
37.000	2.000	0.125	40	1344102
37.000	2.000	0.156	40	1344108

CTE PAC



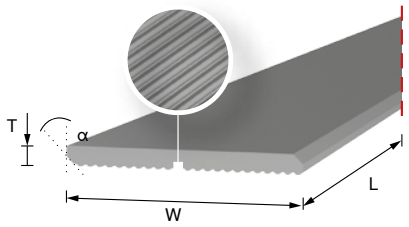
L [mm]	W [mm]	T [mm]	α [°]	MG18
40	38	3.18	45	11471490
40	50	3.18	45	11471501
40	60	3.18	45	11471503
50	38	3.18	45	11471505
50	50	3.18	45	11471510

CTE PAC



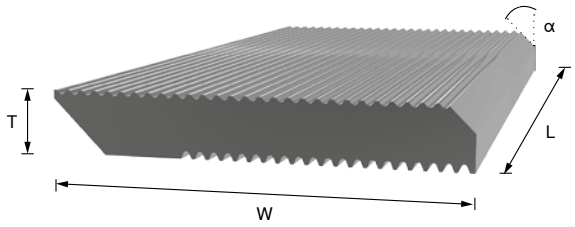
L [mm]	W [mm]	T [mm]	α [°]	MG18
50	60	3.18	45	11471514
60	38	3.18	45	11471515
60	50	3.18	45	11471518
60	60	3.18	45	11471520
70	38	3.18	45	11471522
70	50	3.18	45	11471524
70	60	3.18	45	11471527
80	38	3.18	45	11471531
80	50	3.18	45	11471534
80	60	3.18	45	11471537
90	38	3.18	45	11471541
90	50	3.18	45	11471542
90	60	3.18	45	11471545
100	38	3.18	45	11471670
100	50	3.18	45	11471675
100	60	3.18	45	11471676
110	38	3.18	45	11471683
110	50	3.18	45	11471684
110	60	3.18	45	11471685
120	38	3.18	45	11471687
120	50	3.18	45	11471688
120	60	3.18	45	11471689
130	38	3.18	45	11471690
130	50	3.18	45	11471691
130	60	3.18	45	11471692
150	38	3.18	45	11471693
150	50	3.18	45	11471695
150	60	3.18	45	11471698
170	38	3.18	45	11471699

CTE PAC



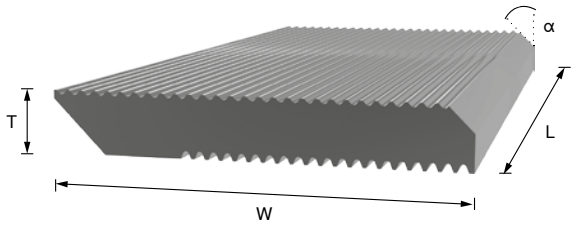
L [mm]	W [mm]	T [mm]	α [°]	MG18
170	50	3.18	45	11471700
170	60	3.18	45	11471701
180	38	3.18	45	11472202
180	50	3.18	45	11472218
180	60	3.18	45	11472219
200	38	3.18	45	11472220
200	50	3.18	45	11472221
200	60	3.18	45	11472224
210	38	3.18	45	11472225
210	50	3.18	45	11472227
210	60	3.18	45	11472228
230	38	3.18	45	11472247
230	50	3.18	45	11472249
230	60	3.18	45	11472256
240	38	3.18	45	11472258
240	50	3.18	45	11472259
240	60	3.18	45	11472260
260	38	3.18	45	11472262
260	50	3.18	45	11472264
260	60	3.18	45	11472265
310	38	3.18	45	11472267
310	50	3.18	45	11472268
310	60	3.18	45	11472271
650	38	3.18	45	11472272
650	50	3.18	45	11472273
650	60	3.18	45	11472274

CTE BP



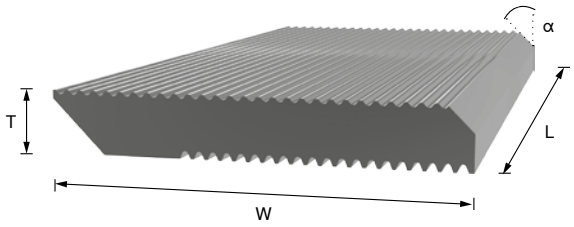
L [mm]	W [mm]	T [mm]	α [°]	Steel
40	35	7.1	45	1343500
40	47	7.1	45	1343501
40	57	7.1	45	1343502
50	35	7.1	45	1343503
50	47	7.1	45	1343504
50	57	7.1	45	1343505
60	35	7.1	45	1343506
60	47	7.1	45	1343507
60	57	7.1	45	1343508
70	35	7.1	45	1343509
70	47	7.1	45	1343510
70	57	7.1	45	1343511
80	35	7.1	45	1343512
80	47	7.1	45	1343516
80	57	7.1	45	1343517
90	35	7.1	45	1343518
90	47	7.1	45	1343519
90	57	7.1	45	1343520
100	35	7.1	45	1343521
100	47	7.1	45	1343522
100	57	7.1	45	1343523
110	35	7.1	45	1343524
110	47	7.1	45	1343525
110	57	7.1	45	1343526
120	35	7.1	45	1343527
120	47	7.1	45	1343528
120	57	7.1	45	1343529
130	35	7.1	45	1343530
130	47	7.1	45	1343531

CTE BP



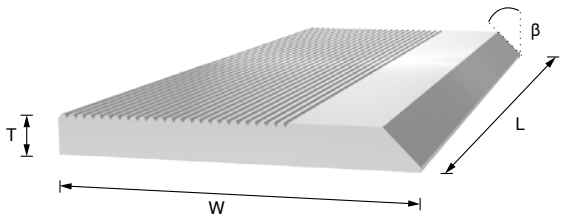
L [mm]	W [mm]	T [mm]	α [°]	Steel
130	57	7.1	45	1343532
150	35	7.1	45	1343533
150	47	7.1	45	1343535
150	57	7.1	45	1343536
170	35	7.1	45	1343538
170	47	7.1	45	1343540
170	57	7.1	45	1343542
180	35	7.1	45	1343560
180	47	7.1	45	1343561
180	57	7.1	45	1343562
200	35	7.1	45	1343563
200	47	7.1	45	1343564
200	57	7.1	45	1343565
210	35	7.1	45	1343566
210	47	7.1	45	1343567
210	57	7.1	45	1343568
230	35	7.1	45	1343569
230	47	7.1	45	1343570
230	57	7.1	45	1343571
240	35	7.1	45	1343572
240	47	7.1	45	1343573
240	57	7.1	45	1343574
260	35	7.1	45	1343575
260	47	7.1	45	1343576
260	57	7.1	45	1343577
310	35	7.1	45	1343578
310	47	7.1	45	1343579
310	57	7.1	45	1343580
650	35	7.1	45	1343581

CTE BP



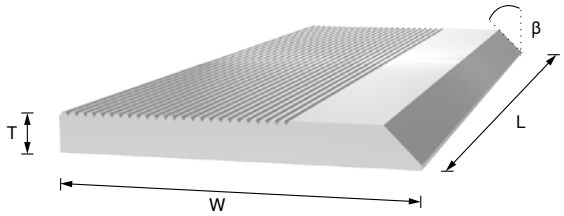
L [mm]	W [mm]	T [mm]	α [°]	Steel
650	47	7.1	45	1343582
650	57	7.1	45	1343583

CTBL BCFB



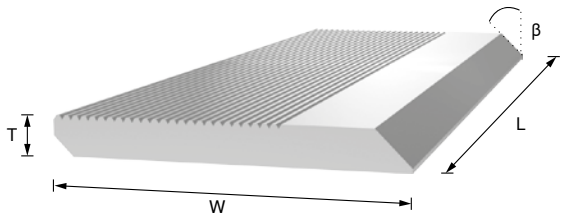
L [mm]	W [mm]	T [mm]	β [°]	HPS
40	30	4.0	45	1343882
40	35	4.0	45	1343902
50	30	4.0	45	1343883
50	35	4.0	45	1343903
60	30	4.0	45	1343884
60	35	4.0	45	1343904
70	30	4.0	45	1343885
70	35	4.0	45	1343905
80	30	4.0	45	1343886
80	35	4.0	45	1343906
90	30	4.0	45	1343887
90	35	4.0	45	1343907
100	30	4.0	45	1343888
100	35	4.0	45	1343908
110	30	4.0	45	1343889
110	35	4.0	45	1343909
120	30	4.0	45	1343890
120	35	4.0	45	1343910

CTBL BCFB



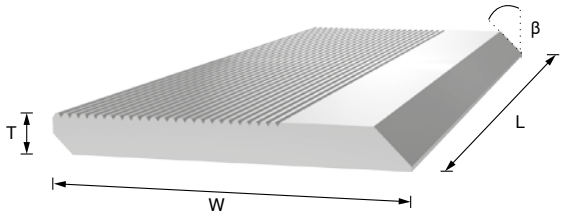
L [mm]	W [mm]	T [mm]	β [°]	HPS
130	30	4.0	45	1343891
130	35	4.0	45	1343911
150	30	4.0	45	1343892
150	35	4.0	45	1343912
170	30	4.0	45	1343893
170	35	4.0	45	1343915
180	30	4.0	45	1343894
180	35	4.0	45	1343916
190	30	4.0	45	1343895
190	35	4.0	45	1343917
210	30	4.0	45	1343896
210	35	4.0	45	1343918
230	30	4.0	45	1343897
230	35	4.0	45	1343919
240	30	4.0	45	1343898
240	35	4.0	45	1343920
250	30	4.0	45	11663392
650	30	4.0	45	1343899
650	35	4.0	45	1343921

CTBL BCWC (HPS)



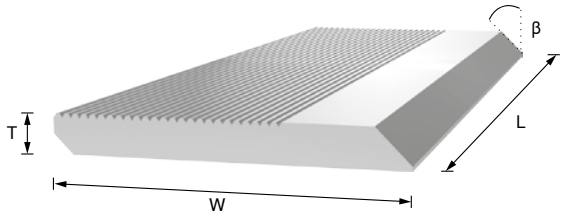
L [mm]	W [mm]	T [mm]	β [°]	HPS
40	27	5	45	1343684

CTBL BCWC (HPS)



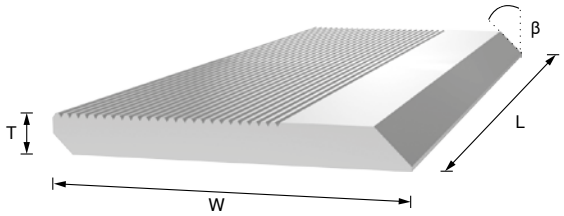
L [mm]	W [mm]	T [mm]	β [°]	HPS
40	38	5	45	1343702
40	40	6	45	1344313
40	40	8	45	1343600
40	45	5	45	1343720
40	50	5	45	1343738
40	50	6	45	1344332
40	50	8	45	1343620
40	60	6	45	1344353
40	60	8	45	1343638
40	70	6	45	1344378
40	70	8	45	1343656
50	27	5	45	1343685
50	38	5	45	1343703
50	40	6	45	1344314
50	40	8	45	1343601
50	45	5	45	1343721
50	50	5	45	1343743
50	50	6	45	1344333
50	50	8	45	1343621
50	60	6	45	1344355
50	60	8	45	1343639
50	70	6	45	1344379
50	70	8	45	1343657
60	27	5	45	1343686
60	38	5	45	1343704
60	40	6	45	1344315
60	40	8	45	1343602
60	45	5	45	1343722
60	50	5	45	1343740

CTBL BCWC (HPS)



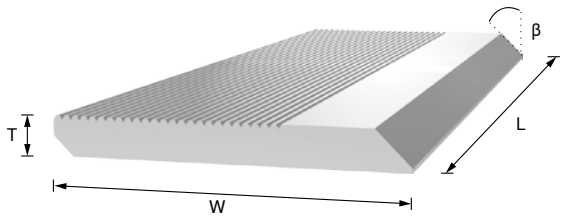
L [mm]	W [mm]	T [mm]	β [°]	HPS
60	50	6	45	1344334
60	50	8	45	1343622
60	60	6	45	1344356
60	60	8	45	1343640
60	70	6	45	1344380
60	70	8	45	1343658
70	27	5	45	1343687
70	38	5	45	1343705
70	40	6	45	1344316
70	40	8	45	1343603
70	45	5	45	1343723
70	50	5	45	1343741
70	50	6	45	1344335
70	50	8	45	1343623
70	60	6	45	1344357
70	60	8	45	1343641
70	70	6	45	1344381
70	70	8	45	1343659
80	27	5	45	1343688
80	38	5	45	1343706
80	40	6	45	1344317
80	40	8	45	1343604
80	45	5	45	1343724
80	50	5	45	1343742
80	50	6	45	1344336
80	50	8	45	1343624
80	60	6	45	1344358
80	60	8	45	1343642
80	70	6	45	1344382

CTBL BCWC (HPS)



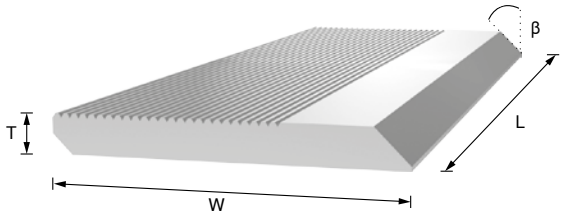
L [mm]	W [mm]	T [mm]	β [°]	HPS
80	70	8	45	1343660
90	27	5	45	1343689
90	38	5	45	1343707
90	40	6	45	1344318
90	40	8	45	1343605
90	45	5	45	1343725
90	50	5	45	1343744
90	50	6	45	1344337
90	50	8	45	1343625
90	60	6	45	1344359
90	60	8	45	1343643
90	70	6	45	1344383
90	70	8	45	1343661
100	27	5	45	1343690
100	38	5	45	1343708
100	40	6	45	1344319
100	40	8	45	1343606
100	45	5	45	1343726
100	50	5	45	1343745
100	50	6	45	1344338
100	50	8	45	1343626
100	60	6	45	1344360
100	60	8	45	1343644
100	70	6	45	1344384
100	70	8	45	1343662
110	27	5	45	1343691
110	38	5	45	1343709
110	40	6	45	1344320
110	40	8	45	1343607

CTBL BCWC (HPS)



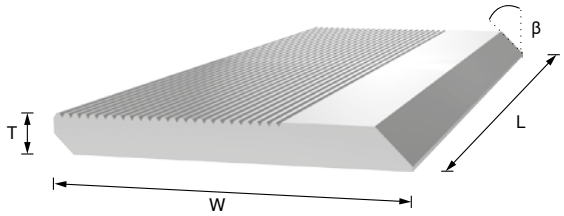
L [mm]	W [mm]	T [mm]	β [°]	HPS
110	45	5	45	1343727
110	50	5	45	1343746
110	50	6	45	1344339
110	50	8	45	1343627
110	60	6	45	1344362
110	60	8	45	1343645
110	70	6	45	1344385
110	70	8	45	1343663
120	27	5	45	1343692
120	38	5	45	1343710
120	40	6	45	1344321
120	40	8	45	1343608
120	45	5	45	1343728
120	50	5	45	1343747
120	50	6	45	1344340
120	50	8	45	1343628
120	60	6	45	1344363
120	60	8	45	1343646
120	70	6	45	1344386
120	70	8	45	1343664
130	27	5	45	1343693
130	38	5	45	1343711
130	40	6	45	1344322
130	40	8	45	1343609
130	45	5	45	1343729
130	50	5	45	1343748
130	50	6	45	1344341
130	50	8	45	1343629
130	60	6	45	1344365

CTBL BCWC (HPS)



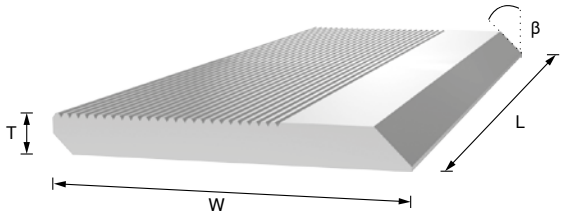
L [mm]	W [mm]	T [mm]	β [°]	HPS
130	60	8	45	1343647
130	70	6	45	1344387
130	70	8	45	1343665
150	27	5	45	1343694
150	38	5	45	1343712
150	40	6	45	1344323
150	40	8	45	1343610
150	45	5	45	1343730
150	50	5	45	1343749
150	50	6	45	1344342
150	50	8	45	1343630
150	60	6	45	1344367
150	60	8	45	1343648
150	70	6	45	1344388
150	70	8	45	1343666
170	27	5	45	1343695
170	38	5	45	1343713
170	40	6	45	1344324
170	40	8	45	1343611
170	45	5	45	1343731
170	50	5	45	1343750
170	50	6	45	1344343
170	50	8	45	1343631
170	60	6	45	1344369
170	60	8	45	1343649
170	70	6	45	1344389
170	70	8	45	1343667
180	27	5	45	1343696
180	38	5	45	1343714

CTBL BCWC (HPS)



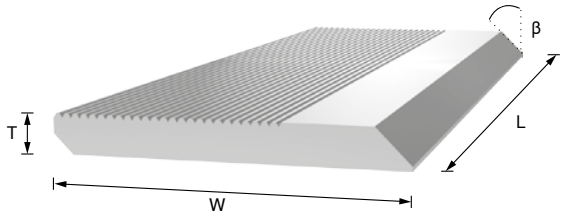
L [mm]	W [mm]	T [mm]	β [°]	HPS
180	40	6	45	1344325
180	40	8	45	1343612
180	45	5	45	1343732
180	50	5	45	1343751
180	50	6	45	1344344
180	50	8	45	1343632
180	60	6	45	1344372
180	60	8	45	1343650
180	70	6	45	1344390
180	70	8	45	1343668
190	27	5	45	1343697
190	38	5	45	1343715
190	45	5	45	1343733
190	50	5	45	1343752
200	40	6	45	1344326
200	40	8	45	1343613
200	50	6	45	1344345
200	50	8	45	1343633
200	60	6	45	1344373
200	60	8	45	1343651
200	70	6	45	1344391
200	70	8	45	1343669
210	27	5	45	1343698
210	38	5	45	1343716
210	40	6	45	1344327
210	40	8	45	1343615
210	45	5	45	1343734
210	50	5	45	1343753
210	50	6	45	1344346

CTBL BCWC (HPS)



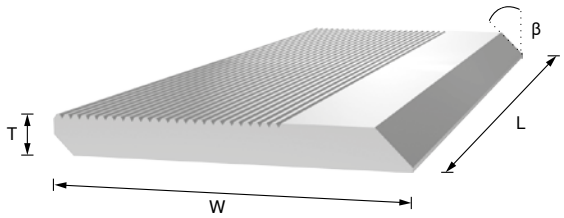
L [mm]	W [mm]	T [mm]	β [°]	HPS
210	50	8	45	1343634
210	60	6	45	1344374
210	60	8	45	1343652
210	70	6	45	1344392
210	70	8	45	1343670
230	27	5	45	1343699
230	38	5	45	1343717
230	40	6	45	1344328
230	40	8	45	1343617
230	45	5	45	1343735
230	50	5	45	1343754
230	50	6	45	1344348
230	50	8	45	1343635
230	60	6	45	1344375
230	60	8	45	1343653
230	70	6	45	1344393
230	70	8	45	1343671
240	27	5	45	1343700
240	38	5	45	1343718
240	45	5	45	1343736
240	50	5	45	1343755
260	40	6	45	1344330
260	40	8	45	1343618
260	50	6	45	1344349
260	50	8	45	1343636
260	60	6	45	1344376
260	60	8	45	1343654
260	70	6	45	1344394
260	70	8	45	1343672

CTBL BCWC (HPS)



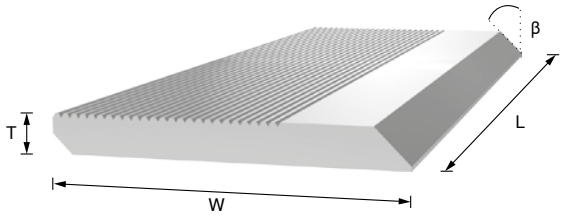
L [mm]	W [mm]	T [mm]	β [°]	HPS
270	45	5	45	11790296
270	50	5	45	11790249
650	27	5	45	1343701
650	38	5	45	1343719
650	40	6	45	1344331
650	40	8	45	1343619
650	45	5	45	1343737
650	50	5	45	1343756
650	50	6	45	1344351
650	50	8	45	1343637
650	60	6	45	1344377
650	60	8	45	1343655
650	70	6	45	1344395
650	70	8	45	1343673

CTBL BCWC (HPS) – inch



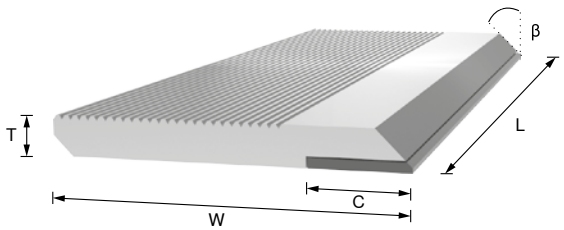
L [inch]	W [inch]	T [inch]	β [°]	HPS
25.000	1.250	0.250	45	1343191
25.000	1.250	0.313	45	1343197
25.000	1.500	0.250	45	1343192
25.000	1.500	0.313	45	1343198
25.000	1.750	0.188	45	1343205
25.000	1.750	0.250	45	1343193

CTBL BCWC (HPS) – inch



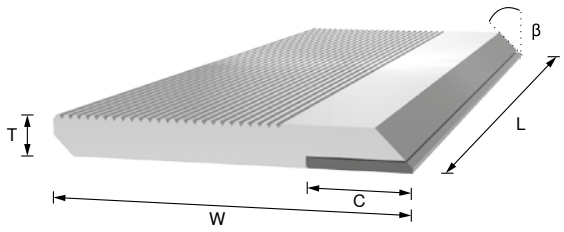
L [inch]	W [inch]	T [inch]	β [°]	HPS
25.000	1.750	0.313	45	1343199
25.000	2.000	0.188	45	1343206
25.000	2.000	0.250	45	1343194
25.000	2.000	0.313	45	1343200
25.000	2.250	0.250	45	1343195
25.000	2.250	0.313	45	1343201
25.000	2.500	0.250	45	1343196
25.000	2.500	0.313	45	1343202
25.000	2.750	0.313	45	1343203
25.000	3.000	0.313	45	1343204

CTBL BCWC (Tungsten Carbide Tipped)



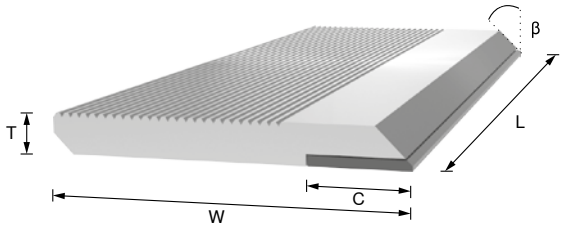
L [mm]	W [mm]	T [mm]	C [mm]	β [°]	TCT
40	38	5	15	45	1343941
40	40	8	20	45	1344432
40	45	5	15	45	1343959
40	50	8	20	45	1344444
40	50	8	25	45	1344459
40	60	8	25	45	1344480
40	60	8	35	45	1344493
40	70	8	35	45	1344506
50	27	5	15	45	1343924
50	38	5	15	45	1343942

CTBL BCWC (Tungsten Carbide Tipped)



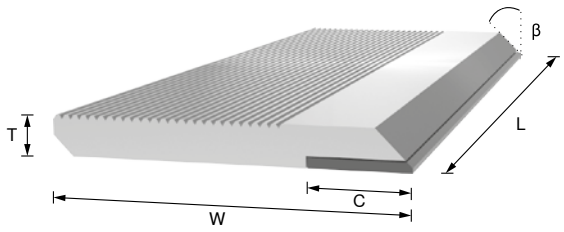
L [mm]	W [mm]	T [mm]	C [mm]	β [°]	TCT
50	45	5	15	45	1343960
60	27	5	15	45	1343925
60	38	5	15	45	1343943
60	40	8	20	45	1344433
60	45	5	15	45	1343961
60	50	8	25	45	1344460
60	50	8	20	45	1344445
60	60	8	35	45	1344494
60	60	8	25	45	1344481
60	70	8	35	45	1344507
70	27	5	15	45	1343926
70	38	5	15	45	1343944
70	45	5	15	45	1343962
80	27	5	15	45	1343927
80	38	5	15	45	1343945
80	40	8	20	45	1344434
80	45	5	15	45	1343963
80	50	8	20	45	1344446
80	50	8	25	45	1344461
80	60	8	35	45	1344495
80	60	8	25	45	1344482
80	70	8	35	45	1344508
90	27	5	15	45	1343928
90	38	5	15	45	1343946
90	45	5	15	45	1343964
100	27	5	15	45	1343929
100	38	5	15	45	1343947
100	40	8	20	45	1344435
100	45	5	15	45	1343965

CTBL BCWC (Tungsten Carbide Tipped)



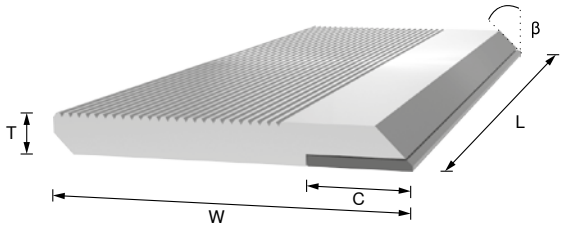
L [mm]	W [mm]	T [mm]	C [mm]	β [°]	TCT
100	50	8	25	45	1344462
100	50	8	20	45	1344447
100	60	8	25	45	1344483
100	60	8	35	45	1344496
100	70	8	35	45	1344509
110	27	5	15	45	1343930
110	38	5	15	45	1343948
110	45	5	15	45	1343966
120	27	5	15	45	1343931
120	38	5	15	45	1343949
120	45	5	15	45	1343967
130	27	5	15	45	1343932
130	38	5	15	45	1343950
130	40	8	20	45	1344436
130	45	5	15	45	1343968
130	50	8	20	45	1344448
130	50	8	25	45	1344463
130	60	8	25	45	1344484
130	60	8	35	45	1344497
130	70	8	35	45	1344510
150	27	5	15	45	1343933
150	38	5	15	45	1343951
150	40	8	20	45	1344437
150	45	5	15	45	1343969
150	50	8	25	45	1344464
150	50	8	20	45	1344449
150	60	8	25	45	1344485
150	60	8	35	45	1344498
150	70	8	35	45	1344511

CTBL BCWC (Tungsten Carbide Tipped)



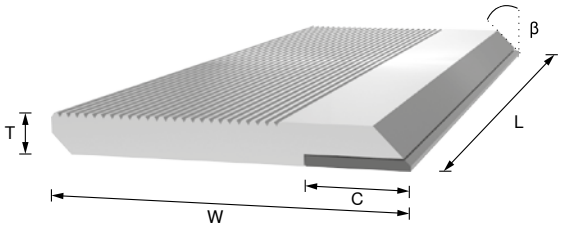
L [mm]	W [mm]	T [mm]	C [mm]	β [°]	TCT
170	27	5	15	45	1343934
170	38	5	15	45	1343952
170	45	5	15	45	1343970
180	27	5	15	45	1343935
180	38	5	15	45	1343953
180	40	8	20	45	1344438
180	45	5	15	45	1343971
180	50	8	25	45	1344465
180	50	8	20	45	1344450
180	60	8	35	45	1344499
180	60	8	25	45	1344486
180	70	8	35	45	1344512
190	27	5	15	45	1343936
190	38	5	15	45	1343954
190	45	5	15	45	1343972
200	40	8	20	45	1344439
200	50	8	25	45	1344466
200	50	8	20	45	1344451
200	60	8	25	45	1344487
200	60	8	35	45	1344500
200	70	8	35	45	1344513
210	27	5	15	45	1343937
210	38	5	15	45	1343955
210	45	5	15	45	1343973
230	27	5	15	45	1343938
230	38	5	15	45	1343956
230	40	8	20	45	1344440
230	45	5	15	45	1343974
230	50	8	25	45	1344467

CTBL BCWC (Tungsten Carbide Tipped)



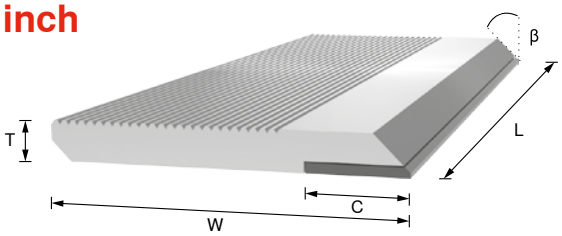
L [mm]	W [mm]	T [mm]	C [mm]	β [°]	TCT
230	50	8	20	45	1344452
230	60	8	35	45	1344501
230	60	8	25	45	1344488
230	70	8	35	45	1344514
240	27	5	15	45	1343939
240	38	5	15	45	1343957
240	45	5	15	45	1343975
260	40	8	20	45	1344441
260	50	8	25	45	1344468
260	50	8	20	45	1344453
260	60	8	35	45	1344502
260	60	8	25	45	1344489
260	70	8	35	45	1344515
310	40	8	20	45	1344442
310	50	8	25	45	1344469
310	50	8	20	45	1344454
310	60	8	25	45	1344490
310	60	8	35	45	1344503
310	70	8	35	45	1344516
560	50	8	25	45	1344470
560	50	8	20	45	1344457
560	60	8	35	45	1344504
560	60	8	25	45	1344491
560	70	8	35	45	1344517
640	40	8	20	45	1344443
640	50	8	20	45	1344458
640	50	8	25	45	1344471
640	60	8	25	45	1344492
640	60	8	35	45	1344505

CTBL BCWC (Tungsten Carbide Tipped)



L [mm]	W [mm]	T [mm]	C [mm]	β [°]	TCT
640	70	8	35	45	1344518
650	27	5	15	45	1343940
650	38	5	15	45	1343958
650	45	5	15	45	1343976

CTBL BCFB (Tungsten Carbide Tipped) – inch



L [inch]	W [inch]	T [inch]	C [inch]	β [°]	TCT
25.000	1.250	0.250	0.787	45	1343211
25.000	1.250	0.313	0.787	45	1343217
25.000	1.500	0.250	0.787	45	1343212
25.000	1.500	0.313	0.787	45	1343218
25.000	1.750	0.250	0.787	45	1343213
25.000	1.750	0.313	0.787	45	1343219
25.000	2.000	0.250	0.984	45	1343214
25.000	2.000	0.313	0.984	45	1343220
25.000	2.250	0.250	0.984	45	1343215
25.000	2.250	0.313	0.984	45	1343221
25.000	2.500	0.250	1.378	45	1343216
25.000	2.500	0.313	0.984	45	1343222
25.000	2.500	0.313	1.378	45	1343223
25.000	2.750	0.313	1.378	45	1343224
25.000	3.000	0.313	1.378	45	1343225

Profiling blanks

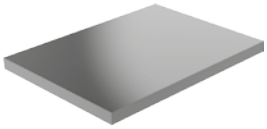
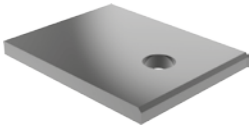
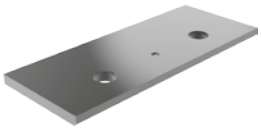
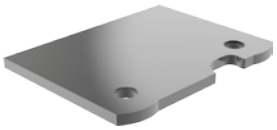
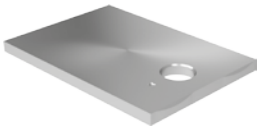
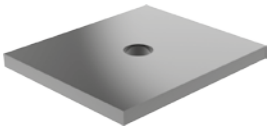
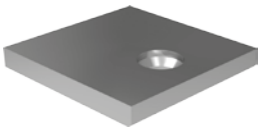
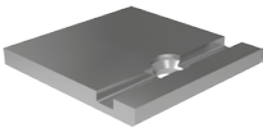
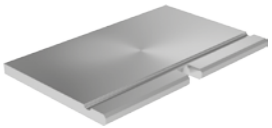
Our customers appreciate the premium quality and long tool life of our blanks for profiling. We have been the exclusive supplier and development partner to market leaders in the tool manufacturing industry for many decades. Whether you are looking for a standard product from stock or a customised solution, you can always count on us as your premium partner for profiling blanks.

Grade recommendation

As each kind of wood has its own very specific properties, we offer a wide variety of grades in the field of wood machining. The table below will guide you in finding the right grade for your application.

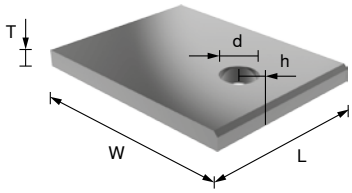
Grade	Hardwood	Softwood	Chipboard	MDF	HDF
KCR02+			● ● ● ●	● ● ● ●	● ● ● ●
KCR08	● ● ● ●	● ●	● ● ●	● ● ●	● ● ●
CTOPP10	● ●	● ● ●	●	●	●
HE40		● ● ● ●			

Portfolio – overview

	Type, description	Most popular	Full range
	CTBL ST00		KCR08 / CTOPP10
	CTBL ST10, CTBL ST11, CTBL ST12	KCR08	KCR08 / HE40
	CTBL ST20, CTBL ST21, CTBL ST22	KCR08	KCR08 / HE40
	CTBL SP20	KCR08	KCR08
	CTBL MP10, CTBL MP11, CTBL MP20, CTBL MP21	KCR08	KCR08
	CTBL RV10, CTBL RV20, CTBL RV22	KCR08	KCR08
	CTBL CH10, CTBL CH20		KCR08
	CTBL GR10, CTBL GR20		KCR08
	CTBL MC00		KCR08

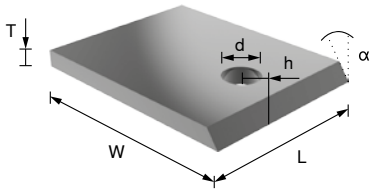
Most popular

CTBL ST10



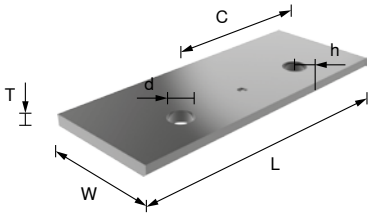
L [mm]	W [mm]	T [mm]	h [mm]	d [mm]	KCR08
20.0	20.5	2.0	6.5	4.2	80301010
25.0	25.5	2.0	6.5	4.2	80301015
25.0	35.5	2.0	6.5	4.2	80301017
30.0	25.5	2.0	6.5	4.2	80301019

CTBL ST11



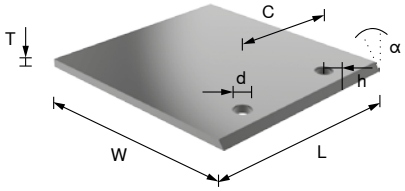
L [mm]	W [mm]	T [mm]	h [mm]	d [mm]	α [°]	KCR08
20.0	20.5	2.0	6.3	4.2	35	80301051
20.0	25.5	2.0	6.3	4.2	35	80301052
20.0	30.5	2.0	6.3	4.2	35	80301053
30.0	25.5	2.0	6.3	4.2	35	80301060
30.0	30.5	2.0	6.3	4.2	35	80301061

CTBL ST20



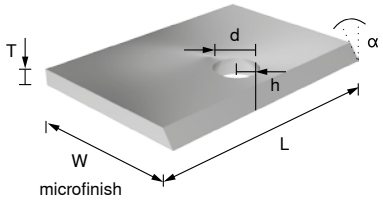
L [mm]	W [mm]	T [mm]	C [mm]	h [mm]	d [mm]	KCR08
30.0	25.5	2.0	14	6.5	4.2	80301023
30.0	30.5	2.0	14	6.5	4.2	80301025
30.0	35.5	2.0	14	6.5	4.2	80301027
40.0	25.5	2.0	26	6.5	4.2	80301032
40.0	30.5	2.0	26	6.5	4.2	80301033
50.0	25.5	2.0	26	6.5	4.2	80301037
50.0	30.5	2.0	26	6.5	4.2	80301038
60.0	35.5	2.0	26	6.5	4.2	80301042
80.0	25.5	2.0	60	6.5	4.2	80301045

CTBL ST21



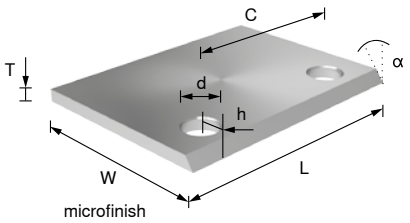
L [mm]	W [mm]	T [mm]	C [mm]	h [mm]	d [mm]	α [°]	KCR08
30.0	25.5	2.0	14	6.3	4.2	35	80301070
80.0	25.5	2.0	60	6.3	4.2	35	80301095

CTBL MP11



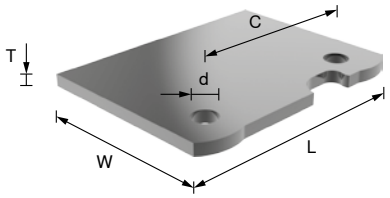
L [mm]	W [mm]	T [mm]	h [mm]	d [mm]	α [°]	KCR08
20.0	20.5	2.0	5.9	5.2	35	80302037
25.0	25.5	2.0	5.9	5.2	35	80302042

CTBL MP21



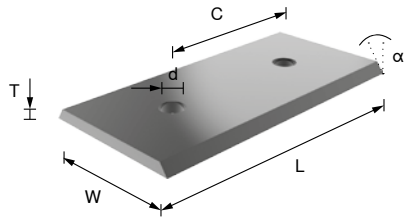
L [mm]	W [mm]	T [mm]	C [mm]	h [mm]	d [mm]	α [°]	KCR08
35.0	25.5	2.0	14	5.9	5.2	35	80302059
50.0	20.5	2.0	26	5.9	5.2	35	80302067
80.0	40.5	2.0	60	5.9	5.2	35	80302084

CTBL SP20



L [mm]	W [mm]	T [mm]	C [mm]	d [mm]	KCR08
40.6	28.2	1.5	28	4.0	80301115
40.6	40.6	2.0	28	5.0	82002869
60.6	45.6	2.0	45	5.0	80301118
60.8	30.2	1.5	48	4.0	80301117

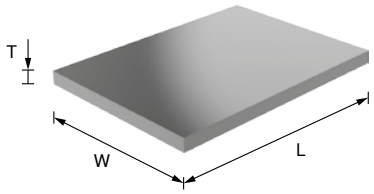
CTBL RV22



L [mm]	W [mm]	T [mm]	C [mm]	d [mm]	α [°]	KCR08
60.0	35.0	2.0	44	4.2	35	80301106

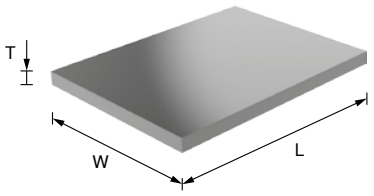
Full range

CTBL ST00



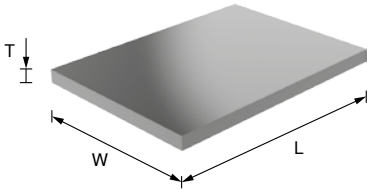
L [mm]	W [mm]	T [mm]	KCR08	CTOPP10
15.0	15.5	2.0	11965858	
15.0	20.5	2.0	11965861	
15.0	25.5	2.0	11965867	
20.0	20.5	2.0	82023321	11776550
20.0	25.5	2.0	82019119	12072233
20.0	30.5	2.0	80301000	12072277
20.0	35.5	2.0	11965873	
25.0	20.5	2.0	82021847	
25.0	25.5	2.0	82026075	
25.0	30.5	2.0	82026077	12072279
25.0	35.5	2.0	80301001	
25.0	40.5	2.0		12071865
30.0	15.5	2.0	82019728	
30.0	20.5	2.0	82022403	
30.0	25.5	2.0	82024505	12072280
30.0	30.5	2.0	82021360	12071868
30.0	35.5	2.0	80301002	
30.0	40.5	2.0	11965874	12072283
35.0	20.5	2.0	82026079	11776554
35.0	25.5	2.0	82022466	11792776
35.0	30.5	2.0	82021848	
35.0	35.5	2.0	82019712	
35.0	40.5	2.0	82027464	
40.0	20.5	2.0	82026080	
40.0	25.0	2.0	82019223	
40.0	30.4	2.0	82021543	

CTBL ST00



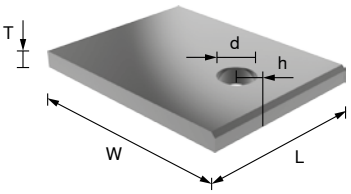
L [mm]	W [mm]	T [mm]	KCR08	CTOPP10
40.0	35.5	2.0	82019225	
40.0	40.5	2.0	80301003	
45.0	20.5	2.0	82028692	
45.0	25.5	2.0	82026152	
45.0	30.5	2.0	11544440	
45.0	35.5	2.0	11965876	
50.0	20.5	2.0	82026548	
50.0	25.5	2.0	82023927	
50.0	30.5	2.0	80301004	12089518
50.0	35.5	2.0	82023784	
50.0	40.5	2.0	82023785	
50.0	45.5	2.0	11272525	
50.0	50.5	2.0	82024736	
60.0	20.5	2.0	82026549	
60.0	25.5	2.0	82025828	
60.0	30.5	2.0	82028435	
60.0	35.5	2.0	11363187	
60.0	40.5	2.0	80301005	12099409
60.0	45.5	2.0	11965880	
60.0	50.5	2.0	82024737	
70.0	20.5	2.0	11965881	
70.0	25.5	2.0	82026081	
70.0	30.5	2.0	11495972	
70.0	35.5	2.0	82026082	
70.0	40.5	2.0	82026083	
70.0	50.5	2.0	82024732	
80.0	25.5	2.0	11965882	
80.0	35.5	2.0	80301006	11783958
80.0	40.5	2.0	11790549	

CTBL ST00



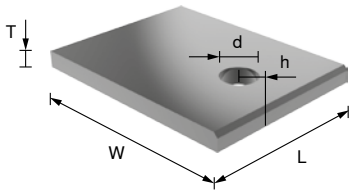
L [mm]	W [mm]	T [mm]	KCR08	CTOPP10
80.0	45.5	2.0	11284684	
80.0	60.5	2.0	11965884	11842060
85.0	20.5	2.0	11965886	
85.0	25.5	2.0	11965887	
85.0	30.5	2.0	11495981	
85.0	35.5	2.0	11965890	
85.0	40.5	2.0	11965894	
85.0	50.5	2.0	11965897	
100.0	25.5	2.0	11965898	
100.0	30.5	2.0	11610153	
100.0	35.5	2.0	11610155	
100.0	40.5	2.0	11965900	
100.0	50.5	2.0	11965901	
105.0	25.5	2.0	11965902	
105.0	30.5	2.0	11965903	
105.0	35.5	2.0	11278382	
105.0	40.5	2.0	11965905	

CTBL ST10



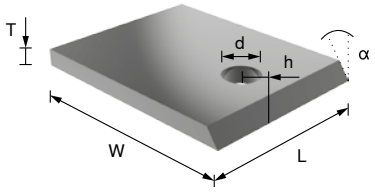
L [mm]	W [mm]	T [mm]	h [mm]	d [mm]	HE40	KCR08
15.0	15.5	2.0	6.5	4.2		11342113
15.0	20.5	2.0	6.5	4.2		11342117
15.0	25.5	2.0	6.5	4.2		11342115

CTBL ST10



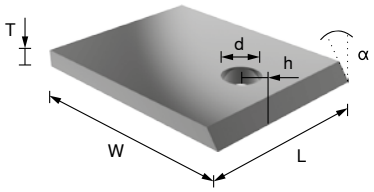
L [mm]	W [mm]	T [mm]	h [mm]	d [mm]	HE40	KCR08
15.0	30.5	2.0	6.5	4.2		11342119
20.0	20.5	2.0	6.5	4.2	80300507	80301010
20.0	25.5	2.0	6.5	4.2	80300508	80301011
20.0	30.5	2.0	6.5	4.2	80300509	80301012
20.0	35.5	2.0	6.5	4.2		80301013
20.0	40.5	2.0	6.5	4.2		12076556
25.0	20.5	2.0	6.5	4.2		80301014
25.0	25.5	2.0	6.5	4.2	80300510	80301015
25.0	30.5	2.0	6.5	4.2	80300511	80301016
25.0	35.5	2.0	6.5	4.2	80358372	80301017
30.0	20.5	2.0	6.5	4.2	80300512	80301018
30.0	25.5	2.0	6.5	4.2	80358373	80301019
30.0	30.5	2.0	6.5	4.2	80300513	80301020
30.0	35.5	2.0	6.5	4.2	82002931	80332963
35.0	25.5	2.0	6.5	4.2		80357667
35.0	30.5	2.0	6.5	4.2		80301021
35.0	35.5	2.0	6.5	4.2		80357668

CTBL ST11



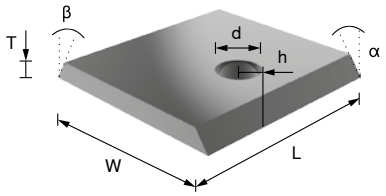
L [mm]	W [mm]	T [mm]	h [mm]	d [mm]	α [°]	HE40	KCR08
15.0	15.5	2.0	6.3	4.2	35		80301047
15.0	20.5	2.0	6.3	4.2	35	80300401	80301048
15.0	25.5	2.0	6.3	4.2	35	80300402	80301049

CTBL ST11



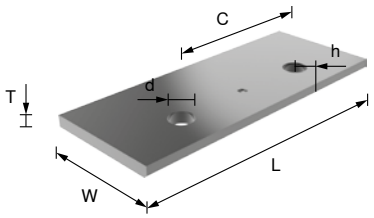
L [mm]	W [mm]	T [mm]	h [mm]	d [mm]	α [°]	HE40	KCR08
15.0	30.5	2.0	6.3	4.2	35	80300403	80301050
20.0	20.5	2.0	6.3	4.2	35	80300404	80301051
20.0	25.5	2.0	6.3	4.2	35	80300405	80301052
20.0	30.5	2.0	6.3	4.2	35	80300406	80301053
20.0	35.5	2.0	6.3	4.2	35	80300407	80301054
20.0	40.5	2.0	6.3	4.2	35		11965561
25.0	20.5	2.0	6.3	4.2	35	80300408	80301055
25.0	25.5	2.0	6.3	4.2	35	80300409	80301056
25.0	30.5	2.0	6.3	4.2	35	80300410	80301057
25.0	35.5	2.0	6.3	4.2	35	80300411	80301058
30.0	20.5	2.0	6.3	4.2	35	80300412	80301059
30.0	25.5	2.0	6.3	4.2	35	80300413	80301060
30.0	30.5	2.0	6.3	4.2	35	80300414	80301061
30.0	35.5	2.0	6.3	4.2	35	80300415	80301062
30.0	40.5	2.0	6.3	4.2	35	80300416	80301063
35.0	20.5	2.0	6.3	4.2	35	80300417	80301064
35.0	25.5	2.0	6.3	4.2	35	80300418	80301065
35.0	30.5	2.0	6.3	4.2	35	82002624	80301066
35.0	35.5	2.0	6.3	4.2	35	80300419	80301067
35.0	40.5	2.0	6.3	4.2	35	82011527	80301068
40.0	20.5	2.0	6.3	4.2	35	80300420	11964489
40.0	25.5	2.0	6.3	4.2	35	80300421	80357699
40.0	30.5	2.0	6.3	4.2	35	80300422	80357700
40.0	35.5	2.0	6.3	4.2	35	80300423	80357701
40.0	40.5	2.0	6.3	4.2	35	80300424	80357702

CTBL ST12



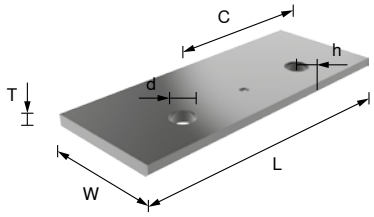
L [mm]	W [mm]	T [mm]	h [mm]	d [mm]	α [°]	β [°]	HE40	KCR08
15.0	20.0	2.0	6.3	4.2	35	35	80300700	11964635
20.0	20.0	2.0	6.3	4.2	35	35	80300701	82026464
20.0	30.0	2.0	6.3	4.2	35	35	80300702	82026465
25.0	20.0	2.0	6.3	4.2	35	35	80300703	82026467
25.0	25.0	2.0	6.3	4.2	35	35	80300704	
25.0	30.0	2.0	6.3	4.2	35	35	80300705	11964636
30.0	25.0	2.0	6.3	4.2	35	35	80300706	82026470
30.0	35.0	2.0	6.3	4.2	35	35	80300707	82026471
35.0	30.0	2.0	6.3	4.2	35	35	80300708	11964637
35.0	35.0	2.0	6.3	4.2	35	35	80300709	82026472

CTBL ST20



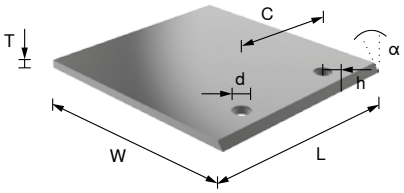
L [mm]	W [mm]	T [mm]	C [mm]	h [mm]	d [mm]	KCR08	HE40
30.0	20.5	2.0	14	6.5	4.2	80301022	
30.0	25.5	2.0	14	6.5	4.2	80301023	80300201
30.0	30.5	2.0	14	6.5	4.2	80301025	80300202
30.0	35.5	2.0	14	6.5	4.2	80301027	80300203
35.0	25.5	2.0	14	6.5	4.2	80301028	80300204
35.0	30.5	2.0	14	6.5	4.2	80301029	
35.0	35.5	2.0	14	6.5	4.2	80301030	80300205
40.0	20.5	2.0	26	6.5	4.2	80301031	80300206
40.0	25.5	2.0	26	6.5	4.2	80301032	80300207
40.0	30.5	2.0	26	6.5	4.2	80301033	80300208

CTBL ST20



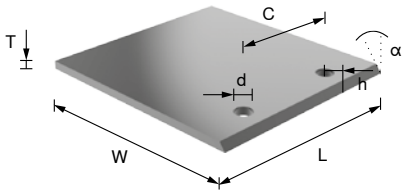
L [mm]	W [mm]	T [mm]	C [mm]	h [mm]	d [mm]	KCR08	HE40
40.0	35.5	2.0	26	6.5	4.2	80301034	80300209
40.0	40.5	2.0	26	6.5	4.2	80301035	80300210
50.0	20.5	2.0	26	6.5	4.2	12086540	80300211
50.0	25.5	2.0	26	6.5	4.2	80301037	80300212
50.0	30.5	2.0	26	6.5	4.2	80301038	82004972
50.0	35.5	2.0	26	6.5	4.2	80301040	80300213
50.0	40.5	2.0	26	6.5	4.2	80301041	
60.0	35.5	2.0	26	6.5	4.2	80301042	80300214
60.0	40.5	2.0	26	6.5	4.2	80301043	80300215
60.0	45.5	2.0	26	6.5	4.2	80301044	
80.0	25.5	2.0	60	6.5	4.2	80301045	80300216
80.0	30.5	2.0	60	6.5	4.2	11358151	
80.0	35.5	2.0	60	6.5	4.2	80301046	
80.0	40.5	2.0	60	6.5	4.2	80357685	80300217

CTBL ST21



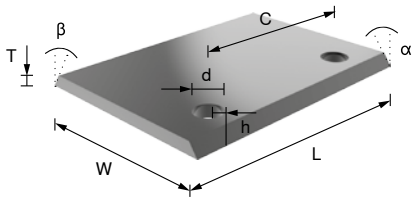
L [mm]	W [mm]	T [mm]	C [mm]	h [mm]	d [mm]	α [°]	HE40	KCR08
30.0	20.5	2.0	14	6.3	4.2	35		80301069
30.0	25.5	2.0	14	6.3	4.2	35		80301070
30.0	30.5	2.0	14	6.3	4.2	35		80301071
30.0	35.5	2.0	14	6.3	4.2	35		80301072
35.0	25.5	2.0	14	6.3	4.2	35		80301073
35.0	30.5	2.0	14	6.3	4.2	35		80301074

CTBL ST21



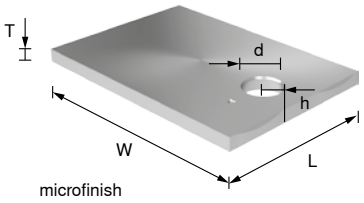
L [mm]	W [mm]	T [mm]	C [mm]	h [mm]	d [mm]	α [°]	HE40	KCR08
35.0	35.5	2.0	14	6.3	4.2	35		80301075
40.0	20.5	2.0	26	6.3	4.2	35	80300600	80301076
40.0	25.5	2.0	26	6.3	4.2	35	80300602	80301077
40.0	30.5	2.0	26	6.3	4.2	35	80300604	80301078
40.0	35.5	2.0	26	6.3	4.2	35	80300606	80301079
40.0	40.5	2.0	26	6.3	4.2	35	80300607	80301080
50.0	20.5	2.0	26	6.3	4.2	35	80300608	80301081
50.0	25.5	2.0	26	6.3	4.2	35	82015962	80301082
50.0	30.5	2.0	26	6.3	4.2	35	80300609	80301083
50.0	35.5	2.0	26	6.3	4.2	35	80300610	80301084
50.0	40.5	2.0	26	6.3	4.2	35	80300611	80301085
60.0	25.5	2.0	26	6.3	4.2	35	80300612	80301086
60.0	30.5	2.0	26	6.3	4.2	35	80300613	80301087
60.0	35.5	2.0	26	6.3	4.2	35	82002631	80301088
60.0	40.5	2.0	26	6.3	4.2	35	80300615	80301090
70.0	20.5	2.0	26	6.3	4.2	35		11424210
70.0	25.5	2.0	26	6.3	4.2	35		80301091
70.0	30.5	2.0	26	6.3	4.2	35	82002516	80301092
70.0	35.5	2.0	26	6.3	4.2	35	80300616	80301093
80.0	25.5	2.0	60	6.3	4.2	35	82002633	80301095
80.0	30.5	2.0	60	6.3	4.2	35		80301096
80.0	35.5	2.0	60	6.3	4.2	35	80300617	80301097
80.0	40.5	2.0	60	6.3	4.2	35	80300618	80301098

CTBL ST22



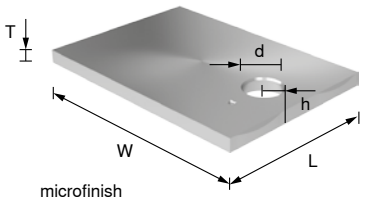
L [mm]	W [mm]	T [mm]	C [mm]	h [mm]	d [mm]	α [°]	β [°]	HE40	KCR08
40.0	20.0	2.0	26	6.3	4.2	35	35		11965983
40.0	25.0	2.0	26	6.3	4.2	35	35	80300821	11965986
40.0	30.0	2.0	26	6.3	4.2	35	35	80300822	11965987
40.0	35.0	2.0	26	6.3	4.2	35	35	80300824	11965992
40.0	40.0	2.0	26	6.3	4.2	35	35	80300825	11965993
45.0	35.0	2.0	26	6.3	4.2	35	35		11965994
50.0	25.0	2.0	26	6.3	4.2	35	35		11965995
50.0	30.0	2.0	26	6.3	4.2	35	35	80300826	11965997
50.0	35.0	2.0	26	6.5	4.2	35	35		82026973
50.0	40.0	2.0	26	6.3	4.2	35	35	80300827	11965998
60.0	25.0	2.0	26	6.3	4.2	35	35	80300828	11965999
60.0	30.0	2.0	26	6.3	4.2	35	35	80300829	11966000
60.0	35.0	2.0	26	6.3	4.2	35	35	80300830	
60.0	40.0	2.0	26	6.3	4.2	35	35	80300831	11966002

CTBL MP10



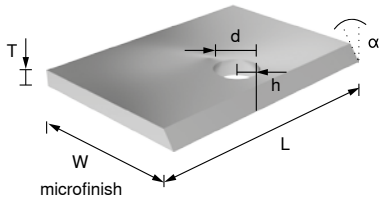
L [mm]	W [mm]	T [mm]	h [mm]	d [mm]	KCR08
20.0	20.5	2.0	6.5	5.2	80302000
20.0	25.5	2.0	6.5	5.2	80302001
20.0	30.5	2.0	6.5	5.2	80302002
20.0	35.5	2.0	6.5	5.2	80302003
25.0	20.5	2.0	6.5	5.2	80302004
25.0	25.5	2.0	6.5	5.2	80302005

CTBL MP10



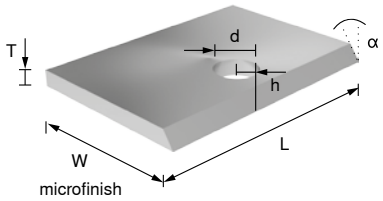
L [mm]	W [mm]	T [mm]	h [mm]	d [mm]	KCR08
25.0	30.5	2.0	6.5	5.2	80302006
25.0	35.5	2.0	6.5	5.2	80302007
30.0	20.5	2.0	6.5	5.2	80302008
30.0	25.5	2.0	6.5	5.2	80302009
30.0	30.5	2.0	6.5	5.2	80302010
35.0	30.5	2.0	6.5	5.2	80302011
26.0	32.0	2.0	6.5	5.2	11803771

CTBL MP11



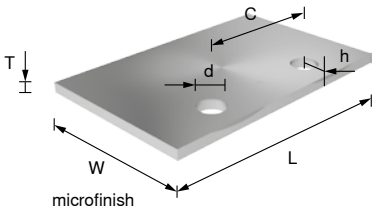
L [mm]	W [mm]	T [mm]	h [mm]	d [mm]	α [°]	KCR08
20.0	20.5	2.0	5.9	5.2	35	80302037
20.0	25.5	2.0	5.9	5.2	35	80302038
20.0	30.5	2.0	5.9	5.2	35	80302039
20.0	35.5	2.0	5.9	5.2	35	80302040
25.0	20.5	2.0	5.9	5.2	35	80302041
25.0	25.5	2.0	5.9	5.2	35	80302042
25.0	30.5	2.0	5.9	5.2	35	80302043
25.0	35.5	2.0	5.9	5.2	35	80302044
30.0	20.5	2.0	5.9	5.2	35	80302045
30.0	25.5	2.0	5.9	5.2	35	80302046
30.0	30.5	2.0	5.9	5.2	35	80302047
30.0	35.5	2.0	5.9	5.2	35	80302048
30.0	40.5	2.0	5.9	5.2	35	80302049

CTBL MP11



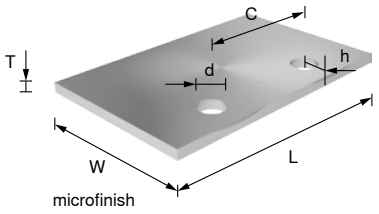
L [mm]	W [mm]	T [mm]	h [mm]	d [mm]	α [°]	KCR08
35.0	20.5	2.0	5.9	5.2	35	80302050
35.0	25.5	2.0	5.9	5.2	35	80302051
35.0	30.5	2.0	5.9	5.2	35	80302052
35.0	35.5	2.0	5.9	5.2	35	80302053
35.0	40.5	2.0	5.9	5.2	35	80302054

CTBL MP20



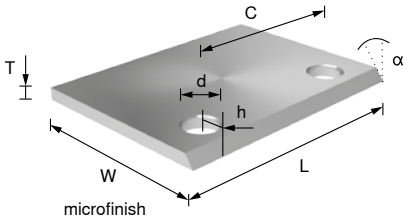
L [mm]	W [mm]	T [mm]	C [mm]	h [mm]	d [mm]	KCR08
30.0	20.5	2.0	14	6.5	5.2	80302012
30.0	25.5	2.0	14	6.5	5.2	80302013
30.0	30.5	2.0	14	6.5	5.2	80302015
30.0	35.5	2.0	14	6.5	5.2	80302017
35.0	25.5	2.0	14	6.5	5.2	80302018
35.0	30.5	2.0	14	6.5	5.2	80302019
35.0	35.5	2.0	14	6.5	5.2	80302020
40.0	20.5	2.0	26	6.5	5.2	80302021
40.0	25.5	2.0	26	6.5	5.2	80302022
40.0	30.5	2.0	26	6.5	5.2	80302023
40.0	35.5	2.0	26	6.5	5.2	80302024
40.0	40.5	2.0	26	6.5	5.2	80302025
50.0	20.5	2.0	26	6.5	5.2	80302026
50.0	25.5	2.0	26	6.5	5.2	80302027
50.0	30.5	2.0	26	6.5	5.2	80302028

CTBL MP20



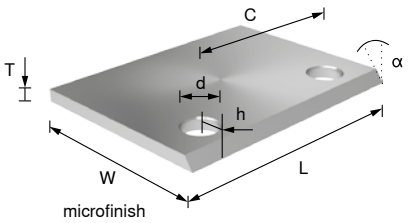
L [mm]	W [mm]	T [mm]	C [mm]	h [mm]	d [mm]	KCR08
50.0	32.3	2.0	24	6.5	5.2	80302029
50.0	35.5	2.0	26	6.5	5.2	80302030
50.0	40.5	2.0	26	6.5	5.2	80302031
60.0	35.5	2.0	26	6.5	5.2	80302032
60.0	45.5	2.0	26	6.5	5.2	80302034
80.0	35.5	2.0	60	6.5	5.2	80302036
60.0	40.5	2.0	26	6.5	5.2	80302033
80.0	25.5	2.0	60	6.5	5.2	80302035

CTBL MP21



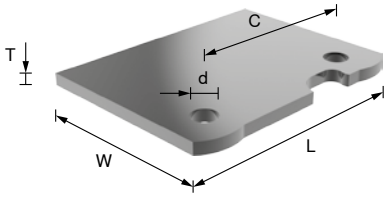
L [mm]	W [mm]	T [mm]	C [mm]	h [mm]	d [mm]	α [°]	KCR08
30.0	20.5	2.0	14	5.9	5.2	35	80302055
30.0	25.5	2.0	14	5.9	5.2	35	80302056
30.0	30.5	2.0	14	5.9	5.2	35	80302057
35.0	25.5	2.0	14	5.9	5.2	35	80302059
35.0	30.5	2.0	14	5.9	5.2	35	80302060
35.0	35.5	2.0	14	5.9	5.2	35	80302061
40.0	20.5	2.0	26	5.9	5.2	35	80302062
40.0	25.5	2.0	26	5.9	5.2	35	80302063
40.0	30.5	2.0	26	5.9	5.2	35	80302064
40.0	35.5	2.0	26	5.9	5.2	35	80302065
40.0	40.5	2.0	26	5.9	5.2	35	80302066
50.0	20.5	2.0	26	5.9	5.2	35	80302067

CTBL MP21



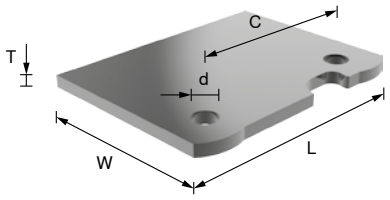
L [mm]	W [mm]	T [mm]	C [mm]	h [mm]	d [mm]	α [°]	KCR08
50.0	25.5	2.0	26	5.9	5.2	35	80302068
50.0	30.5	2.0	26	5.9	5.2	35	80302069
50.0	35.5	2.0	26	5.9	5.2	35	80302070
50.0	40.5	2.0	26	5.9	5.2	35	80302071
60.0	25.5	2.0	26	5.9	5.2	35	80302072
60.0	30.5	2.0	26	5.9	5.2	35	80302073
60.0	35.5	2.0	26	5.9	5.2	35	80302074
60.0	39.5	2.0	44	5.9	5.2	35	80302075
60.0	40.5	2.0	26	5.9	5.2	35	80302076
70.0	25.5	2.0	26	5.9	5.2	35	80302077
70.0	30.5	2.0	26	5.9	5.2	35	80302078
70.0	35.5	2.0	26	5.9	5.2	35	80302079
80.0	25.5	2.0	60	5.9	5.2	35	80302081
80.0	30.5	2.0	60	5.9	5.2	35	80302082
80.0	35.5	2.0	60	5.9	5.2	35	80302083
80.0	40.5	2.0	60	5.9	5.2	35	80302084

CTBL SP20



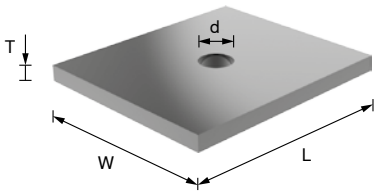
L [mm]	W [mm]	T [mm]	C [mm]	d [mm]	KCR08
30.6	25.5	1.5	20	4.0	82002867
40.4	34.5	1.5	28	4.0	11509585
40.4	34.5	2.0	28	4.0	82023341
40.6	28.2	1.5	28	4.0	80301115

CTBL SP20



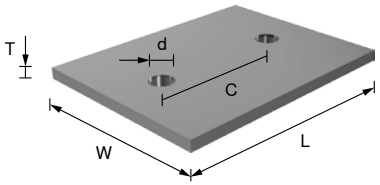
L [mm]	W [mm]	T [mm]	C [mm]	d [mm]	KCR08
40.6	28.2	2.0	28	4.0	80301116
40.6	31.5	1.5	28	4.0	11509584
40.6	31.5	2.0	28	4.0	82025820
40.6	40.6	2.0	28	5.0	82002869
50.7	34.5	1.5	35	4.0	11805260
50.7	34.5	2.0	35	4.0	11286787
60.6	30.2	2.0	48	4.0	11365817
60.6	34.5	1.5	48	4.0	82031543
60.6	45.6	2.0	45	5.0	80301118
60.8	30.2	1.5	48	4.0	80301117
80.6	45.6	2.0	65	6.0	80301119

CTBL RV10



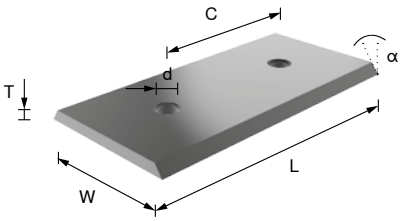
L [mm]	W [mm]	T [mm]	d [mm]	KCR08
12.0	20.4	2.0	4.2	11965758
24.0	22.0	2.0	4.2	80301107
28.0	24.0	2.0	4.2	11965760
32.0	24.0	2.0	4.2	11965765
36.0	28.0	2.0	4.2	80301108
40.0	26.0	2.0	4.2	11965767

CTBL RV20



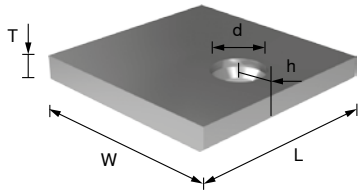
L [mm]	W [mm]	T [mm]	C [mm]	d [mm]	KCR08
40.0	20.4	2.0	26	4.2	11965777
42.0	32.0	2.0	24	4.2	11965770
48.0	36.0	2.0	24	4.2	11965774

CTBL RV22



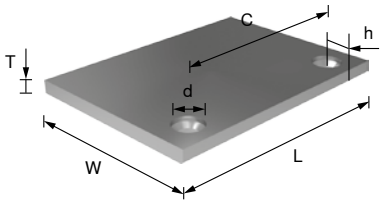
L [mm]	W [mm]	T [mm]	C [mm]	d [mm]	α [°]	KCR08
30.0	25.0	2.0	20	4.2	35	11965780
42.0	32.0	2.0	26	4.2	35	11965812
45.0	35.0	2.0	26	4.2	35	11965821
50.0	16.0	2.0	26	4.2	35	11965834
50.0	20.0	2.0	26	4.2	35	11965835
50.0	25.0	2.0	26	4.2	35	11884976
50.0	40.0	2.0	34	4.2	35	11965838
50.0	45.0	2.0	34	4.2	35	11965839
51.0	26.0	2.0	26	4.2	35	11965840
52.0	34.0	2.0	24	4.2	35	11965846
60.0	19.0	2.0	44	4.2	35	11965847
60.0	20.0	2.0	26	4.2	35	80301103
60.0	25.0	2.0	36	4.0	35	12113519

CTBL CH10



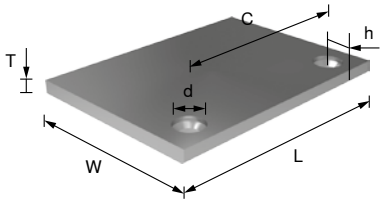
L [mm]	W [mm]	T [mm]	h [mm]	d [mm]	KCR08
20.0	20.5	3.0	7.0	4.5	80301120
20.0	25.5	3.0	7.0	4.5	80301121
20.0	30.5	3.0	7.0	4.5	80301122
20.0	35.5	3.0	7.0	4.5	80301123
25.0	25.5	3.0	7.0	4.5	80301125
25.0	30.5	3.0	7.0	4.5	80301126
25.0	35.5	3.0	7.0	4.5	80301127
25.0	40.5	3.0	7.0	4.5	80301128
30.0	25.5	3.0	7.0	4.5	80301129
30.0	30.5	3.0	7.0	4.5	80301130
30.0	35.5	3.0	7.0	4.5	80301131
30.0	40.5	3.0	7.0	4.5	80301132
35.0	25.5	3.0	7.0	4.5	80301133
35.0	30.5	3.0	7.0	4.5	80301134
35.0	35.5	3.0	7.0	4.5	80301135
35.0	40.5	3.0	7.0	4.5	80301136
20.0	40.5	3.0	7.0	4.5	80301124

CTBL CH20



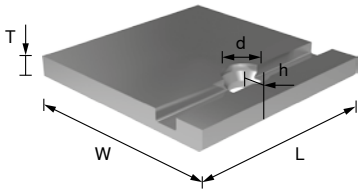
L [mm]	W [mm]	T [mm]	C [mm]	h [mm]	d [mm]	KCR08
40.0	20.5	3.0	28	7.0	4.5	80301137
40.0	25.5	3.0	28	7.0	4.5	80301138
40.0	30.5	3.0	28	7.0	4.5	80301139

CTBL CH20



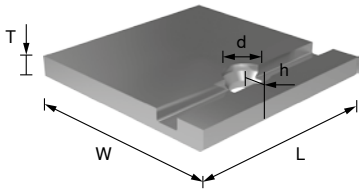
L [mm]	W [mm]	T [mm]	C [mm]	h [mm]	d [mm]	KCR08
45.0	25.5	3.0	28	7.0	4.5	80301140
45.0	30.5	3.0	28	7.0	4.5	80301141
45.0	35.5	3.0	28	7.0	4.5	80301142
55.0	25.5	3.0	41	6.0	4.5	80301143
55.0	30.5	3.0	41	6.0	4.5	80301144
55.0	35.5	3.0	41	6.0	4.5	80301145
55.0	40.5	3.0	41	6.0	4.5	80301146
65.0	20.5	3.0	28	6.0	4.5	80301155
65.0	25.5	3.0	28	6.0	4.5	80301147
65.0	30.5	3.0	28	6.0	4.5	80301148
65.0	35.5	3.0	28	6.0	4.5	80301149
65.0	40.5	3.0	28	6.0	4.5	80301150
80.0	25.5	3.0	66	6.0	4.5	80301151
80.0	30.5	3.0	66	6.0	4.5	80301152
80.0	35.5	3.0	66	6.0	4.5	80301153
80.0	40.5	3.0	66	6.0	4.5	80301154

CTBL GR10



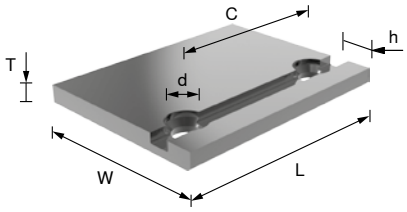
L [mm]	W [mm]	T [mm]	h [mm]	d [mm]	KCR08
20.0	20.5	3.0	7.0	4.5	80301156
20.0	25.5	3.0	7.0	4.5	80301157
20.0	30.5	3.0	7.0	4.5	80301158
20.0	35.5	3.0	7.0	4.5	80301159

CTBL GR10



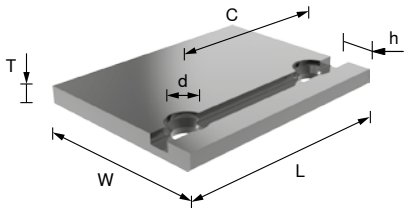
L [mm]	W [mm]	T [mm]	h [mm]	d [mm]	KCR08
20.0	40.5	3.0	7.0	4.5	80301160
25.0	25.5	3.0	7.0	4.5	80301161
25.0	30.5	3.0	7.0	4.5	80301162
25.0	35.5	3.0	7.0	4.5	80301163
25.0	40.5	3.0	7.0	4.5	80301164
30.0	25.5	3.0	7.0	4.5	80301165
30.0	30.5	3.0	7.0	4.5	80301166
30.0	35.5	3.0	7.0	4.5	80301167
30.0	40.5	3.0	7.0	4.5	80301168
35.0	25.5	3.0	7.0	4.5	80301169
35.0	30.5	3.0	7.0	4.5	80301170
35.0	35.5	3.0	7.0	4.5	80301171
35.0	40.5	3.0	7.0	4.5	80301172

CTBL GR20



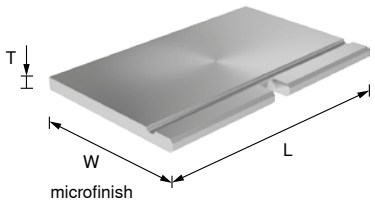
L [mm]	W [mm]	T [mm]	C [mm]	h [mm]	d [mm]	KCR08
40.0	20.5	3.0	28	7.0	4.5	80301173
40.0	25.5	3.0	28	7.0	4.5	80301174
40.0	30.5	3.0	28	7.0	4.5	80301175
45.0	25.5	3.0	28	7.0	4.5	80301176
45.0	30.5	3.0	28	7.0	4.5	80301177
45.0	35.5	3.0	28	7.0	4.5	80301178
55.0	25.5	3.0	41	6.0	4.5	80301179

CTBL GR20



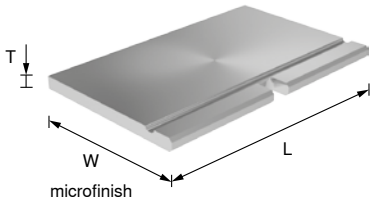
L [mm]	W [mm]	T [mm]	C [mm]	h [mm]	d [mm]	KCR08
55.0	30.5	3.0	41	6.0	4.5	80301180
55.0	35.5	3.0	41	6.0	4.5	80301181
55.0	40.5	3.0	41	6.0	4.5	80301182
65.0	20.5	3.0	28	6.0	4.5	80301183
65.0	25.5	3.0	28	6.0	4.5	80301184
65.0	30.5	3.0	28	6.0	4.5	80301185
65.0	35.5	3.0	28	6.0	4.5	80301186
65.0	40.5	3.0	28	6.0	4.5	80301187
70.0	25.5	3.0	41	6.0	4.5	80301188
80.0	25.5	3.0	66	6.0	4.5	80301189
80.0	30.5	3.0	66	6.0	4.5	80301190
80.0	35.5	3.0	66	6.0	4.5	80301191
80.0	40.5	3.0	66	6.0	4.5	80301192

CTBL MC00



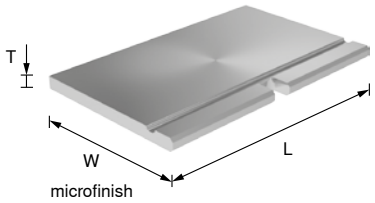
L [mm]	W [mm]	T [mm]	KCR08
20.5	16.5	2.0	80301200
20.5	22.5	2.0	80301201
20.5	25.5	2.0	80301202
20.5	27.9	2.0	80301203
20.5	30.5	2.0	80301204
20.5	34.5	2.0	80301205
25.5	16.5	2.0	11907017

CTBL MC00

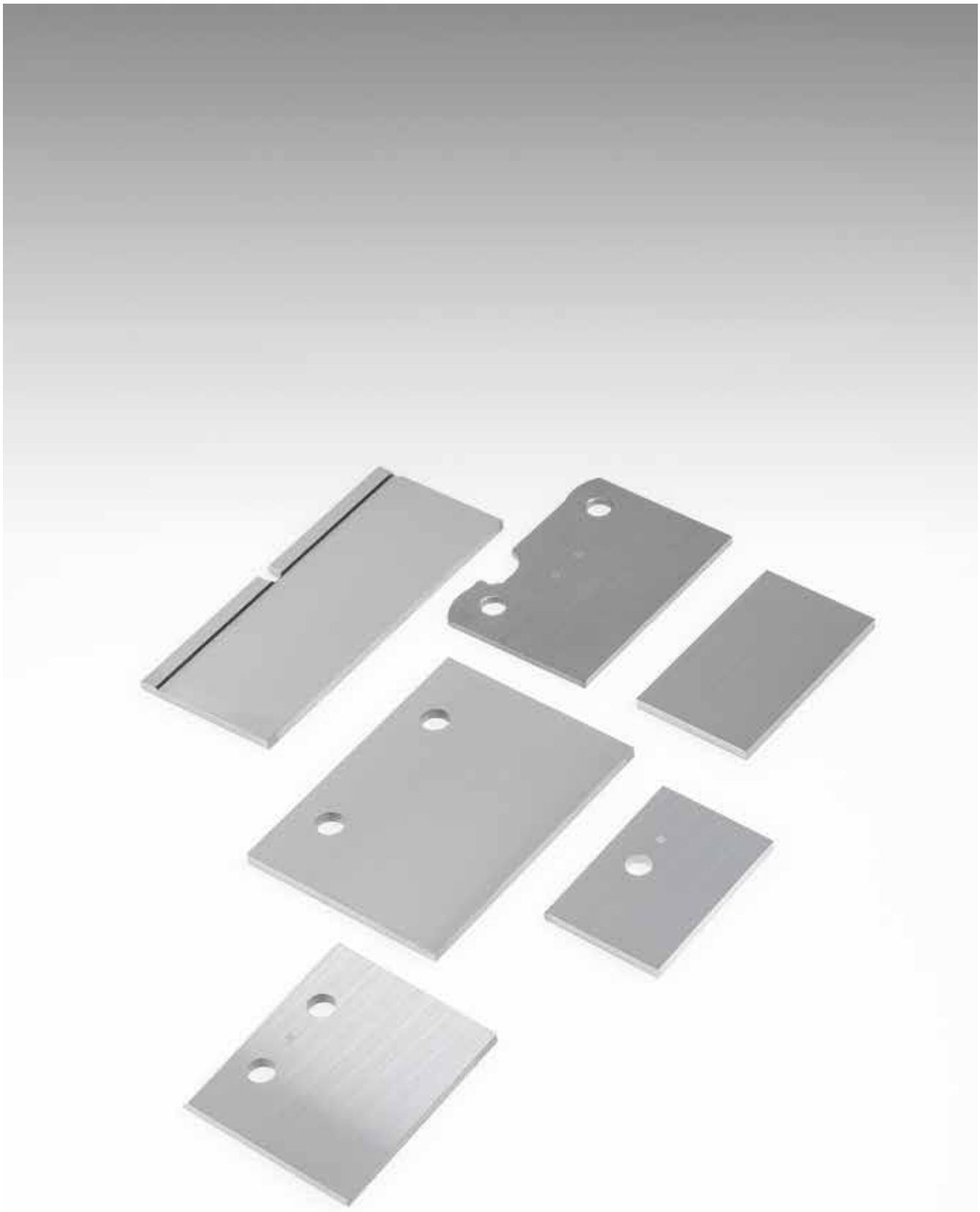


L [mm]	W [mm]	T [mm]	KCR08
25.5	22.5	2.0	11907019
25.5	25.5	2.0	80301206
25.5	27.9	2.0	80301207
25.5	30.5	2.0	80301208
25.5	34.5	2.0	80301209
30.5	16.5	2.0	11907020
30.5	22.5	2.0	80301210
30.5	25.5	2.0	80301211
30.5	27.9	2.0	80301212
30.5	30.5	2.0	80301213
30.5	34.5	2.0	80301214
35.5	22.5	2.0	80301215
35.5	25.5	2.0	80301216
35.5	32.5	2.0	80301217
40.5	16.5	2.0	80301218
40.5	22.5	2.0	80301219
40.5	25.5	2.0	80301220
40.5	27.9	2.0	80301221
40.5	30.5	2.0	80301222
40.5	32.5	2.0	80301223
40.5	34.5	2.0	80301224
50.5	22.5	2.0	80301225
50.5	25.5	2.0	80301226
50.5	27.9	2.0	80301227
50.5	30.5	2.0	80301228
50.5	32.5	2.0	80301229
50.5	34.5	2.0	80301230
60.5	22.5	2.0	80301231
60.5	25.5	2.0	80301232

CTBL MC00



L [mm]	W [mm]	T [mm]	KCR08
60.5	27.9	2.0	80301233
60.5	30.5	2.0	80301234
60.5	32.5	2.0	80301235
80.5	16.5	2.0	80301236
150.0	15.5	2.0	11702321
150.0	20.5	2.0	11702320
150.0	25.5	2.0	11607971
150.0	30.5	2.0	11702318
150.0	35.5	2.0	11702317



Strips

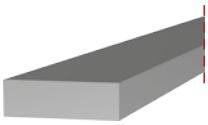
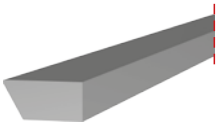
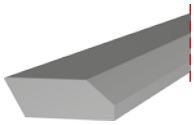
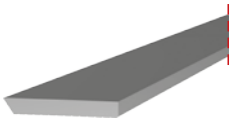
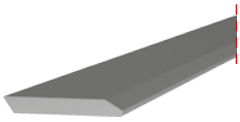
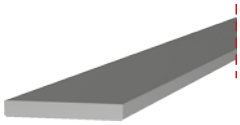
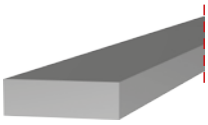
We are now offering our strips in the newly developed carbide grade KCR18+, combining corrosion resistance with higher performance: thanks to its toughness, you can even work on non-homogeneous parts with less risk of chipping.

Grade recommendation

As each kind of wood has its own very specific properties, we offer a wide variety of grades in the field of wood machining. The table below will guide you in finding the right grade for your application.

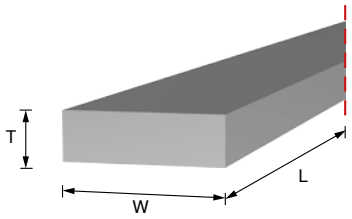
Grade	Hardwood	Softwood	Chipboard	MDF	HDF
KCR06	● ● ●	●	● ● ●	● ● ●	● ● ●
CTOPP10	● ●	● ●	● ●	●	●
MG18	● ● ●	● ●	● ●	●	●
KCR18+	● ●	● ● ●	● ●	●	●

Portfolio – overview

	Type, description	Most popular	Full range
	CTS 00	CTOPP10	CTOPP10
	CTS 01		CTOPP10
	CTS 02		CTOPP10
	CTS BE01		KCR06
	CTS BE02		KCR06
	CTS RE00	KCR18+	KCR18+ / KCR06
	STB		MG18

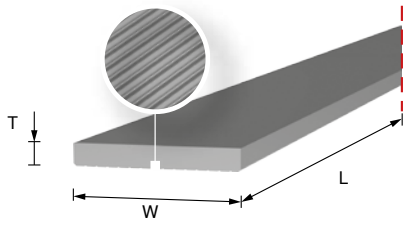
Most popular

CTS 00



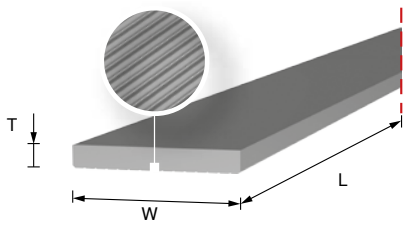
T [mm]	W [mm]	L [mm]	CTOPP10
3	8	310	11654424
3	12	310	11654426
4	10	310	11654441
4	12	310	11654449
4	14	310	11786098
4	15	310	11786099
4	16	310	11749703
4	20	310	11654453
4	22	310	11786101
4	25	310	11786102
5	15	310	11786698
5	16	310	11786697
5	20	310	11786703

CTS RE00



T [mm]	W [mm]	L [mm]	Groove depth [mm]	KCR18+
3	8	400	0.15	12130305
2	12	400	0.15	12130293
2	15	400	0.15	12130303
2	20	400	0.15	12130297

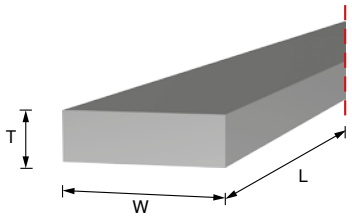
CTS RE00



T [mm]	W [mm]	L [mm]	Groove depth [mm]	KCR18+
3	10	400	0.15	12130281
3	12	400	0.15	12130279
3	13	400	0.15	12130302
3	15	400	0.15	12130276
3	18	400	0.15	12130294
3	20	400	0.15	12130267
3	25	400	0.15	12130278
3	30	400	0.15	12130266
3	35	400	0.15	12130264
4	10	400	0.15	12130290
4	12	400	0.15	12130292
4	15	400	0.15	12130258
4	18	400	0.15	12130299
4	20	400	0.15	12130248
4	25	400	0.15	12130251
4	30	400	0.15	12130253
4	35	400	0.15	12130270
4	40	400	0.15	12130268
5	12	400	0.15	12130282
5	15	400	0.15	12130252
5	18	400	0.15	12130296
5	20	400	0.15	12130249
5	25	400	0.15	12130250
5	30	400	0.15	12130254
5	35	400	0.15	12130260
5	40	400	0.15	12130277
6	35	400	0.15	12130300

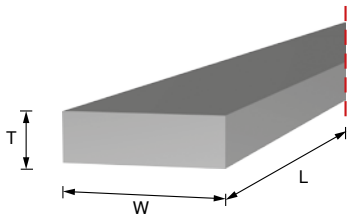
Full range

CTS 00



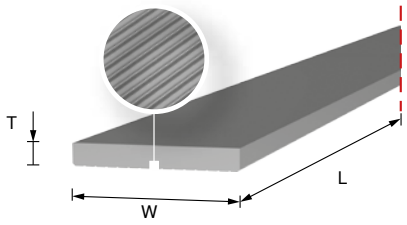
T [mm]	W [mm]	L [mm]	CTOPP10
2	3	310	11654415
2	4	310	11786092
2	5	310	11703782
2	8	310	11654419
2	10	310	11743477
2	12	310	11786087
2	14	310	11786088
2	15	310	11703267
2	16	310	11786089
2	18	310	11786090
2	19	310	11786091
3	3	310	11786095
3	4	310	11654435
3	5	310	11729726
3	6	310	11674842
3	8	310	11654424
3	9	310	11786096
3	10	310	11743478
3	11	310	11786093
3	12	310	11654426
3	13	310	11654427
3	15	310	11654430
3	16	310	11699867
3	18	310	11706993
3	20	310	11654432
3	22	310	11749702

CTS 00



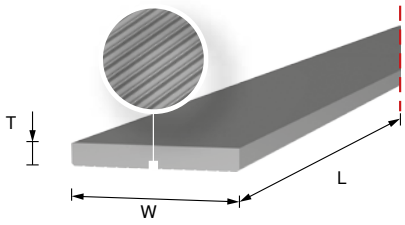
T [mm]	W [mm]	L [mm]	CTOPP10
3	25	310	11786094
3	28	310	11786107
3	31	310	11786108
4	4	310	11786109
4	5	310	11786103
4	6	310	11654452
4	8	310	11786104
4	10	310	11654441
4	12	310	11654449
4	13	310	11786097
4	14	310	11786098
4	15	310	11786099
4	16	310	11749703
4	18	310	11786100
4	20	310	11654453
4	22	310	11786101
4	25	310	11786102
4	30	310	11829767
4	35	310	11835627
4	40	310	11835628
5	5	310	11786700
5	7	310	11786702
5	10	310	11786699
5	15	310	11786698
5	16	310	11786697
5	20	310	11786703

CTS RE00



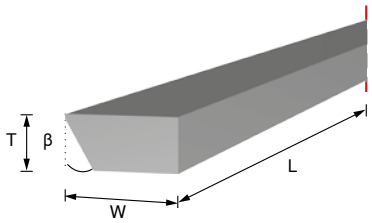
T [mm]	W [mm]	L [mm]	Groove depth [mm]	KCR18+	KCR06
2	8	400	0.15		6288727
2	10	400	0.15		6288740
2	12	400	0.15	12130293	6288762
2	15	400	0.15	12130303	6288770
2	20	400	0.15	12130297	6288776
2	25	400	0.15		6288783
2	30	400	0.15		6288788
3	8	400	0.15	12130305	6288793
3	10	400	0.15	12130281	6288799
3	12	400	0.15	12130279	6288841
3	13	400	0.15	12130302	
3	15	400	0.15	12130276	6288845
3	18	400	0.15	12130294	6288850
3	20	400	0.15	12130267	6288854
3	22	400	0.15		11575440
3	25	400	0.15	12130278	6288861
3	30	400	0.15	12130266	6288866
3	35	400	0.15	12130264	6288870
4	8	400	0.15		6288874
4	10	400	0.15	12130290	6288878
4	12	400	0.15	12130292	6288882
4	15	400	0.15	12130258	6288885
4	16	400	0.15		11529552
4	18	400	0.15	12130299	6288888
4	20	400	0.15	12130248	6288892
4	22	400	0.15		11329367
4	25	400	0.15	12130251	6288895
4	28	400	0.15		11329371
4	30	400	0.15	12130253	6288901

CTS RE00



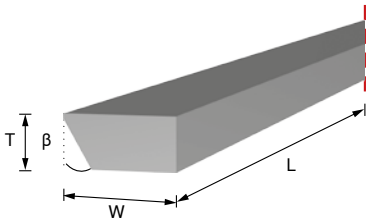
T [mm]	W [mm]	L [mm]	Groove depth [mm]	KCR18+	KCR06
4	32	400	0.15		11417622
4	35	400	0.15	12130270	6288905
4	40	400	0.15	12130268	11417631
5	10	400	0.15		6288917
5	12	400	0.15	12130282	6288924
5	15	400	0.15	12130252	6288928
5	18	400	0.15	12130296	6288932
5	20	400	0.15	12130249	6288937
5	25	400	0.15	12130250	6288944
5	30	400	0.15	12130254	6288948
5	35	400	0.15	12130260	6288952
5	40	400	0.15	12130277	6288958
6	20	400	0.15		6288965
6	25	400	0.15		6288969
6	30	400	0.15		6288972
6	35	400	0.15	12130300	6288978
6	40	400	0.15		6288980

CTS 01



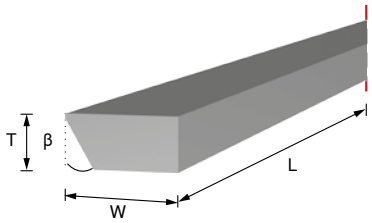
T [mm]	W [mm]	L [mm]	β [°]	CTOPP10
2	3	310	35	11788328
2	4	310	35	11788329
2	5	310	35	11788330

CTS 01



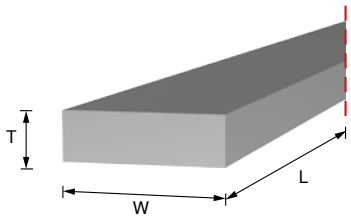
T [mm]	W [mm]	L [mm]	β [°]	CTOPP10
2	6	310	35	11788331
2	8	310	35	11788332
2	10	310	35	11788321
2	12	310	35	11788322
2	14	310	35	11788323
2	15	310	35	11788324
2	16	310	35	11788325
2	18	310	35	11788326
2	19	310	35	11788327
3	3	310	35	11788344
3	4	310	35	11788346
3	5	310	35	11788347
3	6	310	35	11788348
3	8	310	35	11788349
3	9	310	35	11788350
3	10	310	35	11788333
3	11	310	35	11788334
3	12	310	35	11788335
3	13	310	35	11788336
3	15	310	35	11788337
3	16	310	35	11788338
3	18	310	35	11788339
3	20	310	35	11788340
3	22	310	35	11788341
3	25	310	35	11788342
3	28	310	35	11788343
3	31	310	35	11788345
4	4	310	35	11788361
4	5	310	35	11788362

CTS 01



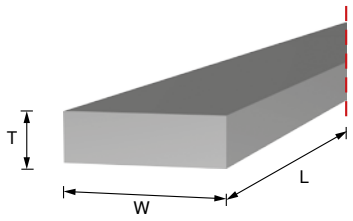
T [mm]	W [mm]	L [mm]	β [°]	CTOPP10
4	6	310	35	11788363
4	8	310	35	11788364
4	10	310	35	11788351
4	12	310	35	11788352
4	13	310	35	11788353
4	14	310	35	11788354
4	15	310	35	11788355
4	16	310	35	11788356
4	18	310	35	11788357
4	20	310	35	11788358
4	22	310	35	11788359
4	25	310	35	11788360
5	5	310	35	11788369
5	7	310	35	11788370
5	10	310	35	11788365
5	15	310	35	11788366
5	16	310	35	11788367
5	20	310	35	11788368

STB



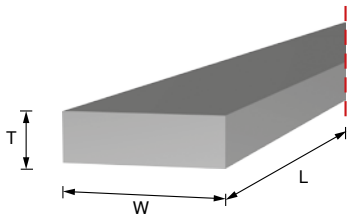
Type, description	T [inch]	W [inch]	L [inch]	MG18
STB 28	0.063	0.250	6.000	6138288
STB 210	0.063	0.313	6.000	6255529

STB



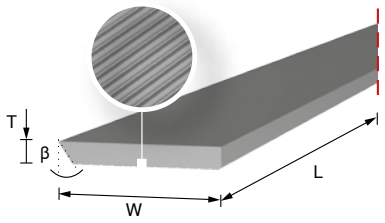
Type, description	T [inch]	W [inch]	L [inch]	MG18
STB 212L	0.063	0.375	6.000	6255530
STB 216	0.063	0.500	6.000	6255532
STB 220	0.063	0.625	6.000	6241993
STB 224	0.063	0.750	6.000	6255536
STB 228	0.063	0.875	6.000	6255537
STB 232	0.063	1.000	6.000	6255538
STB 240	0.063	1.250	6.000	6255539
STB 248	0.063	1.500	6.000	6255540
STB 36	0.094	0.188	6.000	11254918
STB 38E	0.094	0.250	6.000	11231624
STB 310	0.094	0.313	6.000	6255601
STB 312A	0.094	0.375	6.000	11231617
STB 316	0.094	0.500	6.000	6143663
STB 320	0.094	0.625	6.000	6143668
STB 324	0.094	0.750	6.000	6243373
STB 328	0.094	0.875	6.000	6143672
STB 332	0.094	1.000	6.000	6143674
STB 336	0.094	1.125	6.000	11547139
STB 340	0.094	1.250	6.000	6143680
STB 348	0.094	1.500	6.000	6138322
STB 356	0.094	1.750	6.000	6255638
STB 48E	0.125	0.250	6.000	6143766
STB 410	0.125	0.313	6.000	6143705
STB 412C	0.125	0.375	6.000	6143716
STB 416	0.125	0.500	6.000	6143720
STB 420	0.125	0.625	6.000	6143729
STB 424	0.125	0.750	6.000	6143733
STB 428	0.125	0.875	6.000	6143738
STB 432	0.125	1.000	6.000	6143740

STB



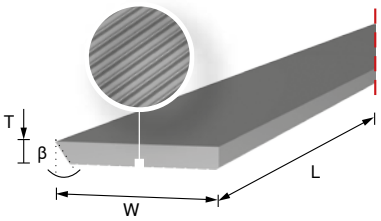
Type, description	T [inch]	W [inch]	L [inch]	MG18
STB 440	0.125	1.000	6.000	6143747
STB 448	0.125	1.375	6.000	6255100
STB 512	0.156	0.375	6.000	11231618
STB 516	0.156	0.500	6.000	11231619
STB 520	0.156	0.625	6.000	11231620
STB 524	0.156	0.750	6.000	11231621
STB 532	0.156	1.000	6.000	11231622
STB 536	0.156	1.125	6.000	11231623
STB 540	0.156	1.250	6.000	6138448
STB 548	0.156	1.500	6.000	6138457
STB 564	0.156	2.000	6.000	6138462
STB 68	0.188	0.250	6.000	6143802
STB 612	0.188	0.375	6.000	6143775
STB 624	0.188	0.750	6.000	6143792
STB 628	0.188	0.875	6.000	6143796
STB 632	0.188	1.000	6.000	6148361
STB 640	0.188	1.250	6.000	6143800
STB 648	0.188	1.500	6.000	6255239
STB 812	0.250	0.375	6.000	6143809
STB 816	0.250	0.500	6.000	6143818
STB 820	0.250	0.625	6.000	6143824
STB 824	0.250	0.750	6.000	6143830
STB 832	0.250	1.000	6.000	6143834
STB 840	0.250	1.250	6.000	6143837

CTS BE01



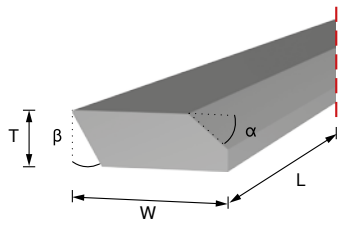
T [mm]	W [mm]	L [mm]	Groove depth [mm]	β [°]	KCR06
2	8	400	0.15	35	6289313
2	10	400	0.15	35	6289316
2	12	400	0.15	35	6289319
2	15	400	0.15	35	6289322
2	20	400	0.15	35	6289325
2	25	400	0.15	35	6289328
2	30	400	0.15	35	6289332
3	8	400	0.15	35	6289336
3	10	400	0.15	35	6289339
3	12	400	0.15	35	6289364
3	15	400	0.15	35	6289368
3	18	400	0.15	35	6289371
3	20	400	0.15	35	6289402
3	25	400	0.15	35	6289405
3	30	400	0.15	35	6289408
3	35	400	0.15	35	6289411
4	10	400	0.15	35	6289413
4	12	400	0.15	35	6289417
4	15	400	0.15	35	6289429
4	18	400	0.15	35	6289434
4	20	400	0.15	35	6289440
4	25	400	0.15	35	6289443
4	30	400	0.15	35	6289447
4	35	400	0.15	35	6289451
4	40	400	0.15	35	6289453
5	10	400	0.15	35	6289455
5	12	400	0.15	35	6289459
5	15	400	0.15	35	6289465
5	18	400	0.15	35	6289482

CTS BE01



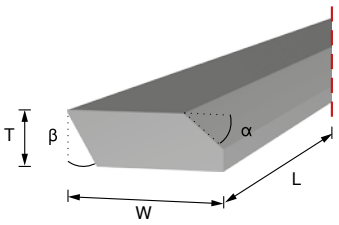
T [mm]	W [mm]	L [mm]	Groove depth [mm]	β [°]	KCR06
5	20	400	0.15	35	6289508
5	25	400	0.15	35	6289514
5	35	400	0.15	35	6289563
5	40	400	0.15	35	6289565
6	20	400	0.15	35	6289567
6	25	400	0.15	35	6289570
6	30	400	0.15	35	6289572
6	35	400	0.15	35	6289575
6	40	400	0.15	35	6289580

CTS 02



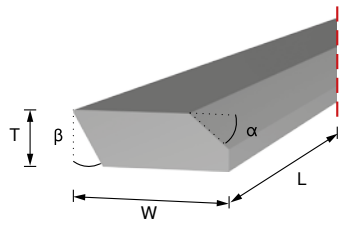
T [mm]	W [mm]	L [mm]	Groove depth [mm]	α [°]	β [°]	CTOPP10
2	3	310	0.15	30	35	11788379
2	4	310	0.15	30	35	11788380
2	5	310	0.15	30	35	11788381
2	6	310	0.15	30	35	11788382
2	8	310	0.15	30	35	11788383
2	10	310	0.15	30	35	11788372
2	12	310	0.15	30	35	11788373
2	14	310	0.15	30	35	11788374
2	15	310	0.15	30	35	11788375
2	16	310	0.15	30	35	11788376
2	18	310	0.15	30	35	11788377

CTS 02



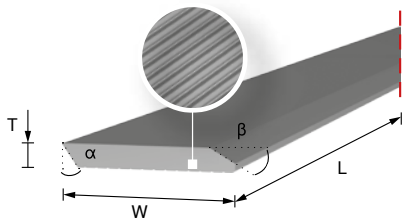
T [mm]	W [mm]	L [mm]	Groove depth [mm]	α [°]	β [°]	CTOPP10
2	19	310	0.15	30	35	11788378
3	3	310	0.15	30	35	11788395
3	4	310	0.15	30	35	11788397
3	5	310	0.15	30	35	11788398
3	6	310	0.15	30	35	11788399
3	8	310	0.15	30	35	11788400
3	9	310	0.15	30	35	11788401
3	10	310	0.15	30	35	11788384
3	11	310	0.15	30	35	11788385
3	12	310	0.15	30	35	11788386
3	13	310	0.15	30	35	11788387
3	15	310	0.15	30	35	11788388
3	16	310	0.15	30	35	11788389
3	18	310	0.15	30	35	11788390
3	20	310	0.15	30	35	11788391
3	22	310	0.15	30	35	11788392
3	25	310	0.15	30	35	11788393
3	28	310	0.15	30	35	11788394
3	31	310	0.15	30	35	11788396
4	4	310	0.15	30	35	11788411
4	5	310	0.15	30	35	11788412
4	6	310	0.15	30	35	11788413
4	8	310	0.15	30	35	11788414
4	10	310	0.15	30	35	11788402
4	12	310	0.15	30	35	11788403
4	13	310	0.15	30	35	11788404
4	14	310	0.15	30	35	11788405
4	15	310	0.15	30	35	11788406
4	16	310	0.15	30	35	11788407

CTS 02



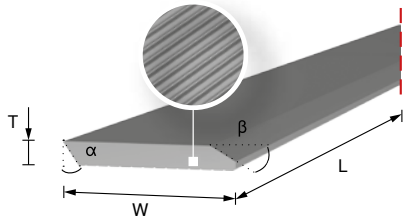
T [mm]	W [mm]	L [mm]	Groove depth [mm]	α [°]	β [°]	CTOPP10
4	18	310	0.15	30	35	11788408
4	20	310	0.15	30	35	11788371
4	22	310	0.15	30	35	11788409
4	25	310	0.15	30	35	11788410
4	40	310	0.15	30	35	11829922
5	5	310	0.15	30	35	11788419
5	7	310	0.15	30	35	11788420
5	10	310	0.15	30	35	11788415
5	15	310	0.15	30	35	11788416
5	16	310	0.15	30	35	11788417
5	20	310	0.15	30	35	11788418

CTS BE02



T [mm]	W [mm]	L [mm]	Groove depth [mm]	α [°]	β [°]	KCR06
3	10	400	0.15	30	35	6289138
3	12	400	0.15	30	35	6289143
3	15	400	0.15	30	35	6289146
3	18	400	0.15	30	35	6289150
3	20	400	0.15	30	35	6289154
3	25	400	0.15	30	35	6289157
3	30	400	0.15	30	35	6289160
3	35	400	0.15	30	35	6289164
4	10	400	0.15	30	35	6289174

CTS BE02



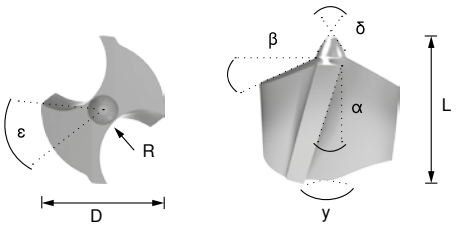
T [mm]	W [mm]	L [mm]	Groove depth [mm]	α [°]	β [°]	KCR06
4	12	400	0.15	30	35	6289220
4	15	400	0.15	30	35	6289225
4	18	400	0.15	30	35	6289229
4	20	400	0.15	30	35	6289232
4	25	400	0.15	30	35	6289237
4	30	400	0.15	30	35	6289241
4	35	400	0.15	30	35	6289244
4	40	400	0.15	30	35	6289249
5	10	400	0.15	30	35	6289252
5	12	400	0.15	30	35	6289270
5	15	400	0.15	30	35	6289273
5	18	400	0.15	30	35	6289276
5	20	400	0.15	30	35	6289283
5	21	400	0.15	30	35	11665273
5	25	400	0.15	30	35	6289286
5	30	400	0.15	30	35	6289289
5	35	400	0.15	30	35	6289292
5	40	400	0.15	30	35	6289294
6	20	400	0.15	30	35	6289296
6	25	400	0.15	30	35	6289298
6	35	400	0.15	30	35	6289303
6	40	400	0.15	30	35	6289305

Blanks

We manufacture customised blanks according to the customer's requirements. The large variety of our range includes simple geometries in high volumes, as well as very complex geometries in small batches. The production options at our disposal, coupled with our carbide grade selection, enable our customers to match their products perfectly to market requirements. With our new cobalt surface treatment, you can benefit from easier and faster brazing. Blanks for drill tips are available in our market-leading special drilling grades, which are also fully impact and wear-resistant.

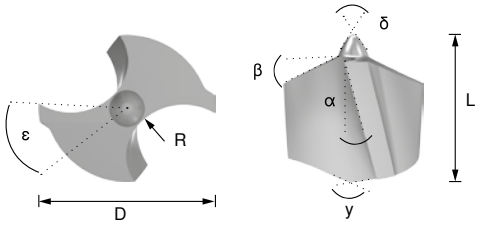
Full range

CTDD RI



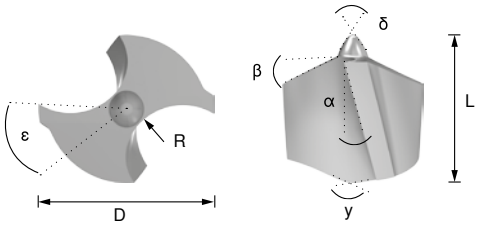
Ø [mm]	D [mm]	L [mm]	R [mm]	α [°]	β [°]	γ [°]	δ [°]	ε [°]	HC35
4.0	4.6	6.9	1.3	15	25	120	60	45	80350406
5.0	5.6	7.1	1.8	15	25	120	60	45	80050686
6.0	6.6	7.1	2.2	15	25	120	60	45	80050688
7.0	7.6	7.9	2.7	15	25	120	60	45	80050690
8.0	8.6	9.1	3.2	15	25	120	60	45	80050692
9.0	9.6	10.1	3.7	15	25	120	60	45	80050694
10.0	10.6	11.0	4.2	15	25	120	60	45	80050696
11.0	11.6	11.9	4.2	15	25	120	60	45	80050698
12.0	12.6	12.8	4.3	15	25	120	60	45	80050700
13.0	13.6	13.6	4.5	15	25	120	60	45	80050701
14.0	14.6	14.4	4.7	15	25	120	60	45	80050702
15.0	15.6	15.2	5.0	15	25	120	60	45	80050703
16.0	16.6	16.0	5.2	15	25	120	60	45	80050704
18.0	18.6	16.2	5.6	15	25	120	60	45	80050705
19.0	19.6	17.5	6.1	15	25	120	60	45	80052201
20.0	20.6	19.1	6.7	15	25	120	60	45	80050706

CTDD LE



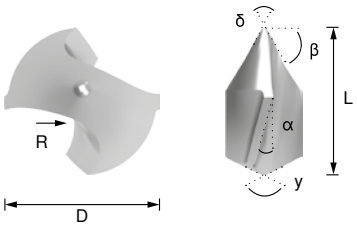
Ø [mm]	D [mm]	L [mm]	R [mm]	α [°]	β [°]	γ [°]	δ [°]	ε [°]	HC35
4.0	4.6	6.9	1.3	15	25	120	60	45	80350407

CTDD LE



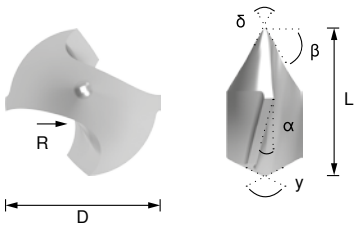
Ø [mm]	D [mm]	L [mm]	R [mm]	α [°]	β [°]	γ [°]	δ [°]	ε [°]	HC35
5.0	5.6	7.1	1.8	15	25	120	60	45	80050665
6.0	6.6	7.1	2.2	15	25	120	60	45	80050667
7.0	7.6	7.9	2.7	15	25	120	60	45	80050669
8.0	8.6	9.7	3.2	15	25	120	60	45	80050671
9.0	9.6	10.1	3.7	15	25	120	60	45	80050673
10.0	10.6	11.0	4.2	15	25	120	60	45	80050675
11.0	11.6	11.9	4.2	15	25	120	60	45	80050677
12.0	12.6	12.8	4.3	15	25	120	60	45	80050679
13.0	13.6	13.6	4.5	15	25	120	60	45	80050680
14.0	14.6	14.4	4.7	15	25	120	60	45	80050681
15.0	15.6	15.2	5.0	15	25	120	60	45	80050682
16.0	16.6	16.0	5.2	15	25	120	60	45	80050683
18.0	18.6	16.2	5.6	15	25	120	60	45	80050684
19.0	19.6	17.5	6.1	15	25	120	60	45	80052198
20.0	20.6	19.1	6.7	15	25	120	60	45	80050685

CTDT RI



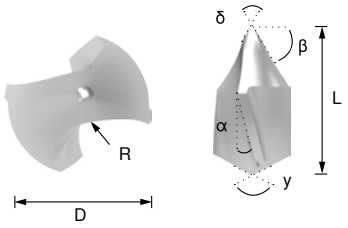
Ø [mm]	D [mm]	L [mm]	R [mm]	α [°]	β [°]	γ [°]	δ [°]	HC35
4.0	4.5	9.0	1.3	15	15	120	60	80357882
5.0	5.6	10.5	1.8	15	15	120	60	80055839
6.0	6.6	11.5	2.2	15	15	120	60	80055840
7.0	7.6	13.0	2.7	15	15	120	60	80055841
8.0	8.6	14.5	3.2	15	15	120	60	80055842

CTDT RI



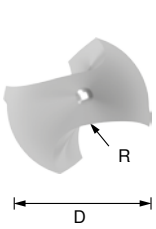
Ø [mm]	D [mm]	L [mm]	R [mm]	α [°]	β [°]	γ [°]	δ [°]	HC35
9.0	9.6	16.8	3.7	15	15	120	60	80056909
10.0	10.6	18.7	4.2	15	15	120	60	80056913
11.0	11.6	21.0	4.2	15	15	120	60	80356220
12.0	12.6	22.1	4.3	15	15	120	60	80056921
13.0	13.6	24.3	4.5	15	15	120	60	80356528
14.0	14.6	25.5	4.7	15	15	120	60	80356298
15.0	15.6	26.0	5.0	15	15	120	60	80239750
16.0	16.6	27.0	5.2	15	15	120	60	80239752
18.0	18.6	28.0	5.6	15	15	120	60	80239754
20.0	20.6	33.5	6.7	15	15	120	60	80239756

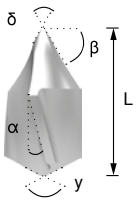
CTDT LE



Ø [mm]	D [mm]	L [mm]	R [mm]	α [°]	β [°]	γ [°]	δ [°]	HC35
4.0	4.5	9.0	1.3	15	15	120	60	80357920
5.0	5.6	10.5	1.8	15	15	120	60	80055843
6.0	6.6	11.50	2.2	15	15	120	60	80055844
7.0	7.6	13.0	2.7	15	15	120	60	80055845
8.0	8.6	14.50	3.2	15	15	120	60	80055846
9.0	9.6	16.8	3.7	15	15	120	60	80056910
10.0	10.6	18.7	4.2	15	15	120	60	80056914
11.0	11.6	21.0	4.2	15	15	120	60	80356221
12.0	12.6	22.1	4.3	15	15	120	60	80056922
13.0	13.6	24.3	4.5	15	15	120	60	80356527

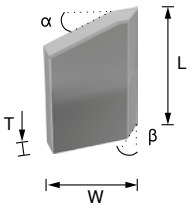
CTDT LE





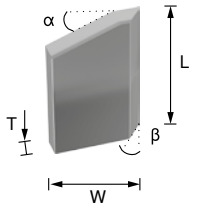
Ø [mm]	D [mm]	L [mm]	R [mm]	α [°]	β [°]	γ [°]	δ [°]	HC35
14.0	14.6	25.5	4.7	15	15	120	60	80356297
15.0	15.6	26.0	5.0	15	15	120	60	80239751
16.0	16.6	27.0	5.2	15	15	120	60	80239753
18.0	18.6	28.0	5.6	15	15	120	60	80239755
20.0	20.6	33.5	6.7	15	15	120	60	80239757

CTDB RI



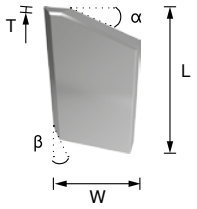
Ø [mm]	L [mm]	W [mm]	T [mm]	α [°]	β [°]	HC20
15.0	6.5	10.5	2.5	15	30	6209064
16.0	7.0	10.5	2.5	15	30	6209038
17.0	7.5	10.5	2.5	15	30	6220168
18.0	8.0	10.5	2.5	15	30	6209040
20.0	9.0	10.5	2.5	15	30	6209042
22.0	10.0	10.5	2.5	20	40	6209044
23.0	10.5	10.5	2.5	20	40	6110869
24.0	11.0	10.5	2.5	20	40	6104596
25.0	11.5	10.5	2.5	20	40	6209046
26.0	12.0	10.5	2.5	20	40	6209048
28.0	13.0	10.5	2.5	20	40	6209067
30.0	14.0	10.5	2.5	20	40	6209050
32.0	15.0	10.5	2.5	20	40	6209052
34.0	16.0	10.5	2.5	20	40	6209307
35.0	16.5	10.5	2.5	20	40	6209054

CTDB RI



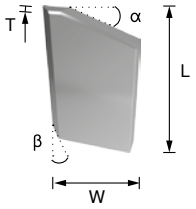
Ø [mm]	L [mm]	W [mm]	T [mm]	α [°]	β [°]	HC20
40.0	19.0	10.5	2.5	20	40	6209056
45.0	21.5	10.5	2.5	20	40	6209058
50.0	24.0	10.5	2.5	20	40	6209060
55.0	26.5	10.5	2.5	20	40	6209061
60.0	29.0	10.5	2.5	20	40	6209063

CTDB LE



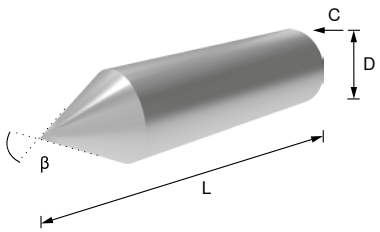
Ø [mm]	L [mm]	W [mm]	T [mm]	α [°]	β [°]	HC20
15.0	6.5	10.5	2.5	15	30	6209062
16.0	7.0	10.5	2.5	15	30	6209037
17.0	7.5	10.5	2.5	15	30	6220167
18.0	8.0	10.5	2.5	15	30	6209039
20.0	9.0	10.5	2.5	15	30	6209041
22.0	10.0	10.5	2.5	20	40	6209043
23.0	10.5	10.5	2.5	20	40	6104598
24.0	11.0	10.5	2.5	20	40	6220169
25.0	11.5	10.5	2.5	20	40	6209045
26.0	12.0	10.5	2.5	20	40	6209047
28.0	13.0	10.5	2.5	20	40	6209068
30.0	14.0	10.5	2.5	20	40	6209049
32.0	15.0	10.5	2.5	20	40	6209051
34.0	16.0	10.5	2.5	20	40	6220171
35.0	16.5	10.5	2.5	20	40	6209053

CTDB LE



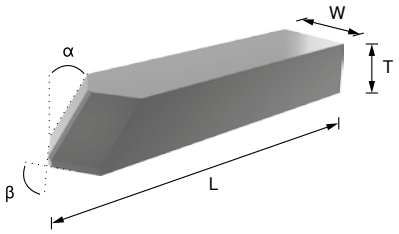
Ø [mm]	L [mm]	W [mm]	T [mm]	α [°]	β [°]	HC20
40.0	19.0	10.5	2.5	20	40	6209055
45.0	21.5	10.5	2.5	20	40	6209057
50.0	24.0	10.5	2.5	20	40	6209059
55.0	26.5	10.5	2.5	20	40	6209065
60.0	29.0	10.5	2.5	20	40	6209066

CTDB Z



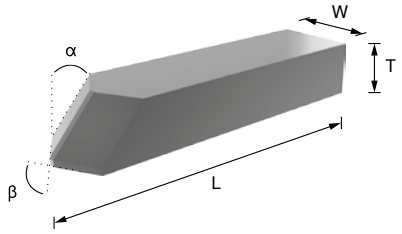
D [mm]	L [mm]	β [°]	c [mm]	Chamfer angle [°]	HC20	HC40
3.0	11.5	60	0.5	45		6247856
3.0	13.0	60	0.5	45		6283593
3.0	14.5	60	0.5	45		6209432
4.0	13.0	60	0.5	45	11240226	
4.0	15.0	60	0.5	45		6224626

CTDB S



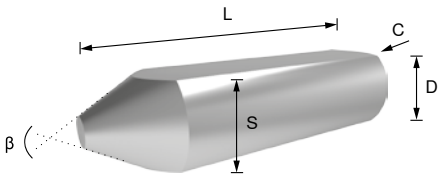
L [mm]	W [mm]	T [mm]	α [°]	β [°]	HC20	HC30
12.0	3.0	2.5	40	120	6291349	
13.0	4.0	2.5	40	120	6209124	

CTDB S



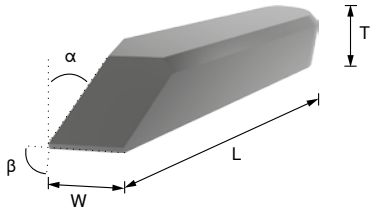
L [mm]	W [mm]	T [mm]	α [°]	β [°]	HC20	HC30
14.0	5.0	3.0	40	120	11092584	11284863
15.0	4.0	2.5	40	120		6209129
15.0	5.0	2.5	40	120	6209115	

CTDB ZF



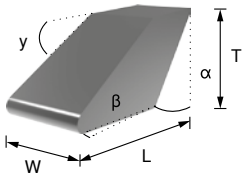
D [mm]	L [mm]	S [mm]	β [°]	c [mm]	Chamfer angle [°]	HC20
4.0	13.0	3.0	60	0.5	45	11180519

CTDB R



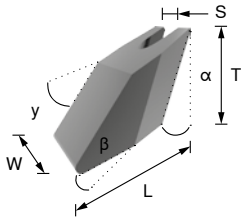
L [mm]	W [mm]	T [mm]	α [°]	β [°]	HC20
13.0	4.0	3.0	35	90	6209306

CTSO



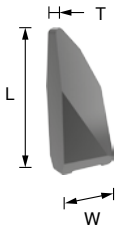
L [mm]	W [mm]	T [mm]	α [°]	β [°]	γ [°]	HC20
12.8	6.2	5.3	47	25	11	335939
12.8	8.2	5.3	47	25	11	11033444

CTSM



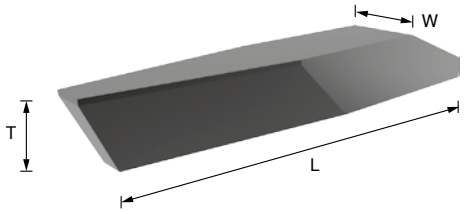
L [mm]	W [mm]	T [mm]	S [mm]	α [°]	β [°]	γ [°]	HC20
12.8	6.2	5.4	2.0	47	25	25	335929

16015



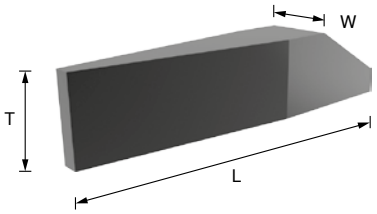
L [mm]	W [mm]	T [mm]	HC25	MG18
30.3	14.4	4.4	6221837	6113670

37800



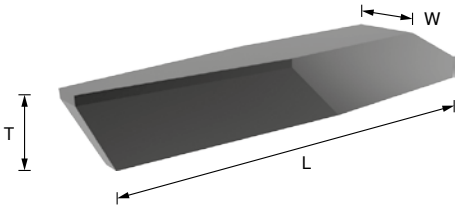
L [mm]	W [mm]	T [mm]	HC25
28.0	5.0	4.0	6110985

40330



L [mm]	W [mm]	T [mm]	MG18	HC25
23.5	4.5	5.0	6220177	6209541

45757



L [mm]	W [mm]	T [mm]	HC25	MG18
28.2	4.5	4.2		6226665
28.2	5.0	4.0	6242173	

Rods

We offer a wide range of solid carbide rods for the manufacturing of milling cutters and drills for woodworking. Rods made of submicron grades which were specially developed for wood working are able to achieve high cutting speeds along with maximum wear resistance. Whether it is for machining hardwood, chipboard, MDF or HDF – we can help you choose the most suitable grade for your application.

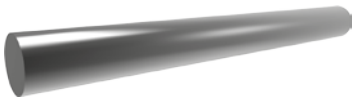
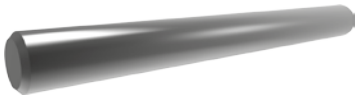
Decades of experience in extruding have enabled us to develop an economically efficient production process, so we can offer you an excellent price-performance ratio.

Grade recommendation

As each kind of wood has its own very specific properties, we offer a wide variety of grades in the field of wood machining. The table below will guide you in finding the right grade for your application.

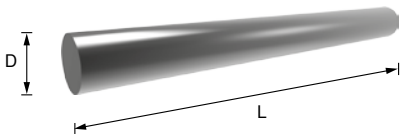
Grade	Hardwood	Softwood	Chipboard	MDF	HDF
KCR05+	● ●	●	● ● ● ●	● ● ● ●	● ● ● ●
KCR06	● ● ●	● ●	● ● ●	● ● ●	● ● ●
CTOPP10	●	● ●	●	●	●

Portfolio – overview

	Type, description	Most popular	Full range
	CTRG W00	CTOPP10	KCR05+ / KCR06 / CTOPP10
	CTRG W01	KCR06 / CTOPP10	KCR05+ / KCR06 / CTOPP10

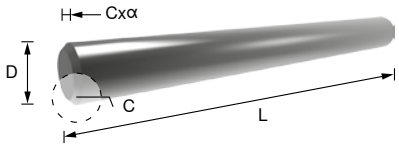
Most popular

CTRG W00 – ground rods h6



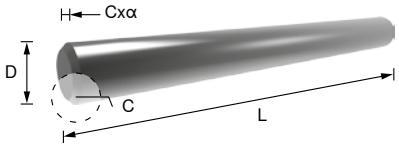
D [mm]	L [mm]	KCR06	KCR05+	CTOPP10
3.0	330			11723520
4.0	330			11723525
5.0	330			11723527
6.0	330	11332643		11723529
8.0	330	11332648		11723533
10.0	330	11332655		11723486
12.0	330	11332659	11908016	11723490
13.0	330			11723491
14.0	330	6263454		11723493
16.0	330			11723497
18.0	330			11723501
20.0	330	11332676		11723505
25.0	330			11723514

CTRG W01 inch – ground rods h6



D [inch]	L [inch]	C [inch]	α [°]	KCR06	CTOPP10
0.375	3.250	0.025	45	11811276	
0.500	3.000	0.030	45	11248631	11774096
0.500	4.000	0.030	45	11248634	

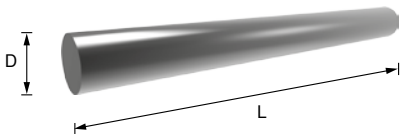
CTRG W01 – ground rods h6



D [mm]	L [mm]	C [mm]	α [°]	KCR06	CTOPP10
3.0	50.0	0.3	45		11723539
4.0	50.0	0.4	45		11723579
5.0	50.0	0.4	45		11723581
6.0	50.0	0.4	45		11723585
6.0	60.0	0.4	45	11330956	11723586
6.0	80.0	0.4	45		11723589
8.0	60.0	0.6	45	11331150	11723593
8.0	70.0	0.6	45	11331155	11723540
8.0	80.0	0.6	45	11331157	11723541
10.0	70.0	0.6	45	11331170	11723549
10.0	75.0	0.6	45	11331174	11723550
10.0	80.0	0.6	45		11723551
10.0	100.0	0.6	45		11723543
12.0	70.0	0.6	45		11981408
12.0	80.0	0.6	45	11331281	11723558
12.0	90.0	0.6	45	11331283	11723559
12.0	100.0	0.6	45	11331284	11723555
14.0	100.0	0.6	45		11723561
14.0	110.0	0.6	45	11331333	11723562
16.0	90.0	0.6	45		11823358
16.0	100.0	0.6	45		11723565
16.0	110.0	0.6	45		11723566
16.0	120.0	0.6	45		11723567
20.0	100.0	0.6	45		11723573
20.0	115.0	0.6	45		11898849
20.0	120.0	0.6	45	11331368	11723575
20.0	130.0	0.6	45		11723576
20.0	135.0	0.6	45		11898850

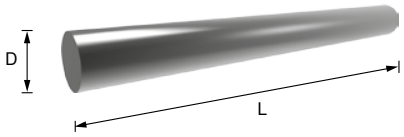
Full range

CTRG W00 – ground rods h6



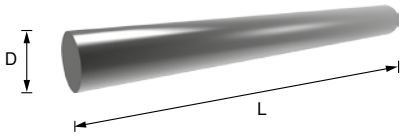
D [mm]	L [mm]	KCR05+	KCR06	CTOPP10
2.0	330		11331962	
2.5	330		11331963	
3.0	330	11908004	11332639	11723520
3.5	330			11723521
4.0	330	11908005	11332640	11723525
4.5	330			11723526
5.0	330	11908007	11332641	11723527
5.5	330	11908008	11332642	11723528
6.0	330	11908009	11332643	11723529
6.5	330			11723530
7.0	330	11908010	11332645	11723531
7.5	330			11723532
8.0	330	11908012	11332648	11723533
8.5	330			11723534
9.0	330	11908014	11332654	11723535
9.5	330			11723536
10.0	330	11908015	11332655	11723486
10.5	330		11332657	11723487
11.0	330			11723488
11.5	330			11723489
12.0	330	11908016	11332659	11723490
13.0	330	11908017	11332662	11723491
13.5	330			11723492
14.0	330	11908018	6263454	11723493
14.5	330			11723494
15.0	330			11723495

CTRG W00 – ground rods h6



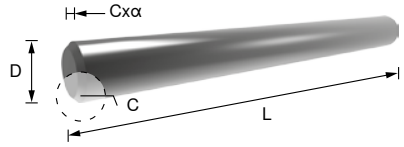
D [mm]	L [mm]	KCR05+	KCR06	CTOPP10
15.5	330			11723496
16.0	330	11908019	11282333	11723497
16.5	330			11723498
17.0	330			11723499
17.5	330			11723500
18.0	330	11908020	11332673	11723501
18.5	330			11723502
19.0	330			11723503
19.5	330			11723504
20.0	330	11908021	11332676	11723505
20.5	330			11723506
21.0	330			11723507
21.5	330			11723508
22.0	330			11723509
22.5	330			11723510
23.0	330			11723511
23.5	330			11723512
24.0	330			11723513
25.0	330	11908023		11723514
25.5	330			11723515
26.0	330			11723516
27.0	330			11723517
28.0	330			11723518
29.0	330			11723519
30.0	330			11723522
31.0	330			11723523
32.0	330			11723524

CTRG W00 inch – ground rods h6



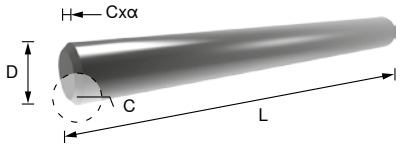
D [inch]	L [inch]	KCR06	CTOPP10
0.250	13	11331932	12007409
0.313	13	11331937	
0.375	13	11331943	
0.500	13	11331944	
0.625	13	11331953	
0.750	13	11331958	

CTRG W01 – ground rods h6



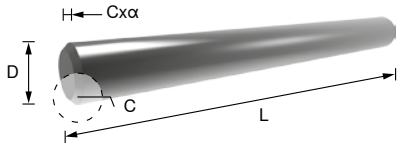
D [mm]	L [mm]	C [mm]	α [°]	KCR05+	KCR06	CTOPP10
2.0	50.0	0.2	45		11330766	11723572
3.0	40.0	0.3	45		11330781	11723538
3.0	45.0	0.3	45			11983579
3.0	50.0	0.3	45		11330783	11723539
3.0	55.0	0.3	45		11435513	
4.0	40.0	0.4	45			11853927
4.0	50.0	0.4	45		11330786	11723579
4.0	55.0	0.4	45		11330790	11723580
4.0	60.0	0.4	45			11981210
5.0	40.0	0.4	45			11930660
5.0	50.0	0.4	45		11330793	11723581
5.0	55.0	0.4	45		11330802	11723582
5.0	60.0	0.4	45		11330806	11723583
5.0	80.0	0.4	45			11864338

CTRG W01 – ground rods h6



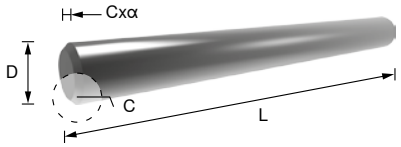
D [mm]	L [mm]	C [mm]	α [°]	KCR05+	KCR06	CTOPP10
6.0	25.0	0.4	45		11330930	
6.0	35.0	0.4	45		11330944	
6.0	40.0	0.4	45		11330945	11723584
6.0	45.0	0.4	45		11390142	11983583
6.0	50.0	0.4	45		11330950	11723585
6.0	55.0	0.4	45		11435514	11981216
6.0	60.0	0.4	45	12026157		
6.0	60.0	0.4	45		11330956	11723586
6.0	70.0	0.4	45	11896071	11330961	11723587
6.0	80.0	0.4	45			11723589
7.0	55.0	0.5	45		11435516	
8.0	50.0	0.6	45		11331105	11723591
8.0	55.0	0.6	45		11435517	11997498
8.0	60.0	0.6	45		11331150	11723593
8.0	65.0	0.6	45			12029282
8.0	70.0	0.6	45	11896070	11331155	11723540
8.0	75.0	0.6	45	12026165		11886617
8.0	80.0	0.6	45		11331157	11723541
8.0	85.0	0.6	45		11960187	
8.0	100.0	0.6	45	11904184	11568109	11886616
10.0	55.0	0.6	45		11331160	11723546
10.0	60.0	0.6	45			11896585
10.0	65.0	0.6	45		11331162	11723548
10.0	70.0	0.6	45		11331170	11723549
10.0	75.0	0.6	45		11331174	11723550
10.0	80.0	0.6	45	11714302	11331177	11723551
10.0	90.0	0.6	45		11331184	11723552
10.0	100.0	0.6	45		11331187	11723543
10.0	110.0	0.6	45			11990139

CTRG W01 – ground rods h6



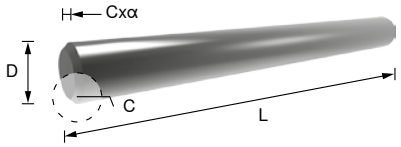
D [mm]	L [mm]	C [mm]	α [°]	KCR05+	KCR06	CTOPP10
10.0	120.0	0.6	45		11331194	11723544
11.0	80.0	0.6	45		11331202	11723553
11.0	90.0	0.6	45		11331263	11723554
12.0	70.0	0.6	45			11981408
12.0	75.0	0.6	45		11207393	11990136
12.0	80.0	0.6	45	11965766	11331281	11723558
12.0	85.0	0.8	45			11990137
12.0	90.0	0.6	45	11968560	11331283	11723559
12.0	100.0	0.6	45		11331284	11723555
12.0	110.0	0.6	45		11915359	12017962
12.0	120.0	0.6	45		11331298	11723556
12.0	130.0	0.6	45		11851592	12017634
13.0	115.0	0.6	45		11331304	11723560
14.0	80.0	0.6	45			11981410
14.0	90.0	0.6	45		6268461	
14.0	100.0	0.6	45		11331332	11723561
14.0	110.0	0.6	45		11331333	11723562
14.0	120.0	0.6	45		11331334	11723563
14.0	160.0	0.6	45			12015073
16.0	70.0	0.6	45			12034872
16.0	80.0	0.6	45	12062158	11367807	11983584
16.0	90.0	0.6	45		11414525	11823358
16.0	100.0	0.6	45		11331342	11723565
16.0	110.0	0.6	45		11331343	11723566
16.0	120.0	0.6	45		11331346	11723567
16.0	130.0	0.6	45			12024708
16.0	150.0	0.6	45		11331347	11723568
16.0	185.0	0.6	45		11886006	
18.0	100.0	0.6	45		11331351	11723569

CTRG W01 – ground rods h6



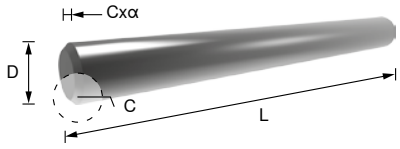
D [mm]	L [mm]	C [mm]	α [°]	KCR05+	KCR06	CTOPP10
18.0	110.0	0.6	45		11331352	11723570
18.0	115.0	0.6	45			11983585
18.0	120.0	0.6	45		11331363	11723571
18.0	170.0	0.6	45		6263456	
20.0	80.0	0.6	45		11975069	
20.0	100.0	0.6	45		11331364	11723573
20.0	110.0	0.6	45		11331366	11723574
20.0	115.0	0.6	45			11898849
20.0	120.0	0.6	45	11906999	11331368	11723575
20.0	130.0	0.6	45		11351539	11723576
20.0	135.0	0.6	45		11379827	11898850
20.0	140.0	0.6	45		11351549	11723577
20.0	145.0	0.6	45			12038767
20.0	150.0	0.6	45		11713422	11723578
20.0	170.0	0.6	45		11563088	
25.0	100.0	0.6	45			12062165
25.0	175.0	0.6	45		11520274	
25.0	200.0	0.6	45			11842880

CTRG W01 inch – ground rods h6



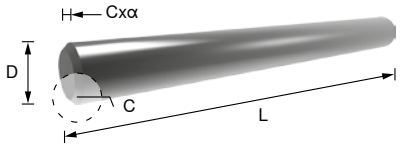
D [inch]	L [inch]	C [inch]	α [°]	KCR06	KCR05+	CTOPP10
0.188	2.500	0.025	45	11900086		
0.250	2.000	0.025	45	11331709		11774107

CTRG W01 inch – ground rods h6



D [inch]	L [inch]	C [inch]	α [°]	KCR06	KCR05+	CTOPP10
0.250	2.500	0.025	45	11248640	11714291	11774108
0.250	3.000	0.025	45	11331711		11774109
0.250	3.375	0.025	45			11890353
0.250	3.500	0.025	45	11331713		11774110
0.250	4.000	0.025	45	11331715		11774106
0.250	4.250	0.025	45			11890355
0.313	2.500	0.025	45	11331724		11774111
0.313	3.000	0.025	45	11331726		11774112
0.313	6.000	0.025	45	12009297		
0.375	2.000	0.025	45			11774113
0.375	2.500	0.025	45	11248641		11774114
0.375	3.000	0.025	45	11248643	11714296	11774115
0.375	3.250	0.025	45	11811276		
0.375	3.500	0.025	45	11331727		11774116
0.375	4.000	0.025	45	11811271		
0.438	4.500	0.030	45	12009299		
0.500	2.500	0.030	45			11774095
0.500	3.000	0.030	45	11248631	11926731	11774096
0.500	3.250	0.030	45			11774097
0.500	3.500	0.030	45	11248633	11714279	11774098
0.500	4.000	0.030	45	11248634	11926732	11774092
0.500	4.063	0.030	45	11352903		
0.500	4.500	0.030	45	11325374		
0.500	5.000	0.030	45	11331728		11774093
0.500	5.500	0.030	45	11331733		11774094
0.563	4.000	0.030	45	11600244		
0.625	3.000	0.030	45			11774100
0.625	3.500	0.030	45			11774101
0.625	4.000	0.030	45	11331734		11774099

CTRG W01 inch – ground rods h6



D [inch]	L [inch]	C [inch]	α [°]	KCR06	KCR05+	CTOPP10
0.625	4.500	0.030	45	11379834		
0.625	6.500	0.030	45	12009298		
0.750	4.000	0.040	45	11325376		11774102
0.750	4.750	0.040	45	11331921		11774103
0.750	5.000	0.040	45	11268699		11774104
0.750	6.000	0.040	45	11331927		11774105