

Solutions for wood machining



CERATIZIT is a high-technology engineering group specialised in cutting tools and hard material solutions.

Tooling a Sustainable Future

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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 the future.



Proven superiority – our KCR grades

Our continuously growing selection of KCR grades with chrome has successfully proved its worth on the market. They are extremely corrosion-resistant, extraordinarily tough and highly wear-resistant, which results in an increase of the tool life of up to 20% and an improved surface finish. In this way we provide toolmakers with decisive competitive advantages.

Benefits in tool production

- ▲ The production process is more reliable, stable & predictable
- ▲ Lower scrap rate
- ▲ Better surface quality
- ▲ Higher productivity
- ▲ Wider application range

Advantages in tool usage

- ▲ Harder grades that offer longer tool life
- ▲ More stability on the cutting edges
- ▲ Less regrinding
- ▲ Reduction of production stops
- ▲ Better cutting quality
- ▲ Constant, predictable tool life
- ▲ Smaller stocks



Grades for wood machining

CERATIZIT grade code	Binder [m %]	Grain size	Hardness		Fracture toughness (K _{IC}) [MPa*m ^{1/2}]	Transverse rupture strength [MPa]	Applications
			HV10	HRA			
Chrome grades							
KCR02+	2.0	ultrafine	2240	95.0	7.5	2500	
KCR04+	2.7	ultrafine	2150	94.5	8.0	3400	
KCR05+	3.0	ultrafine	2160	94.5	7.8	2900	
KCR06	3.0	submicron	1950	93.6	8.5	2600	
KCR08	4.2	submicron	1920	93.4	8.7	2600	
KCR10	4.0	fine	1780	92.8	10.1	2800	
KCR18+	9.5	submicron	1590	91.7	10.8	3750	
KLC20+	10.0	submicron	1630	92.0	10.0	3200	
Universal / Special Grades							
CTOPP10	10.0	submicron	1570	91.6	10.0	3000	
HE40	20.0	ultrafine	1250	88.8	12.1	3500	

**Softwood****Hardwood****Chipboard****MDF/HDF**

Upgrade your wood working portfolio with KLC20+

We take a big step towards a more sustainable future: reprocessed carbide meets high performance. Minimum 99% of the raw material used for the KLC20+ grade comes from our optimised processes. You can count on best performance with lower carbon emission at the same time.

As a result, by using upGRADE, you can reduce your own carbon footprint. The KLC20+ grade is available for indexable knives, rods and saw tips.

Learn more about PCF*:

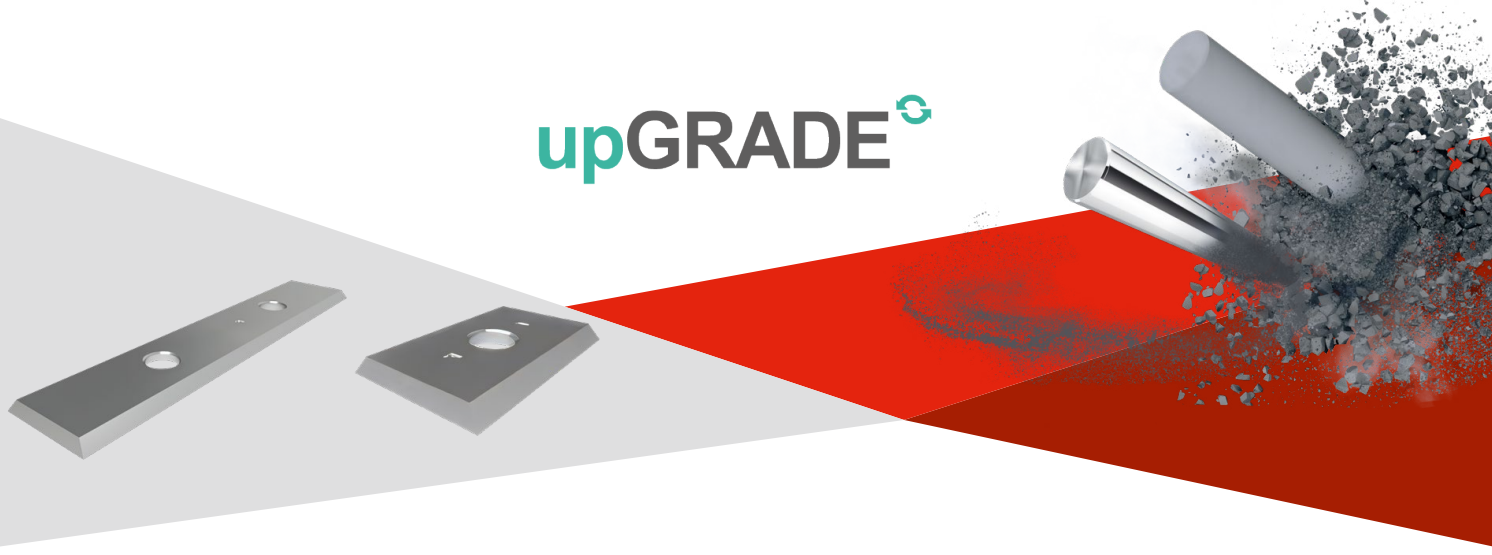


KLC20+ Benefits

- ▲ High performance
- ▲ Optimised utilisation of secondary raw material (99% of the material)
- ▲ Reduced product carbon footprint (PCF* class A)
- ▲ Circularity as integrated part of the supply chain
- ▲ The supply chain in one hand

CERATIZIT grade code	Binder [m %]	Grain size	Hardness		Fracture toughness (K _{IC}) [MPa·m ^{1/2}]	Transverse rupture strength [MPa]	Applications
			HV10	HRA			
KLC20+	10.0	submicron	1630	92.0	10.0	3200	 

upGRADE 



Combining maximum performance & circularity

upGRADE inside: The products of the upGRADE portfolio have upGRADE powder inside, which means they have the highest material circularity in their category. 50–99% of the powder is reprocessed using advanced metallurgical technologies and 100% renewable energy. This results in the outstanding product performance you expect from CERATIZIT and the lowest CO₂ emissions in class.

Our upGRADE portfolio has won awards for sustainability, including the Best of Industry Award 2022 and the Prix de l'Environnement 2023.

*The Product Carbon Footprint (PCF) is the specific carbon footprint in kg CO₂ e/kg product. It uses the cradle-to-gate approach and excludes downstream emissions.

Grade designation for inserts, scorers and blanks

Grade	Symbol	Embossed on the product
KCR02+		
KCR08		
KCR18+		
CTOPP10		
HE40		

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.

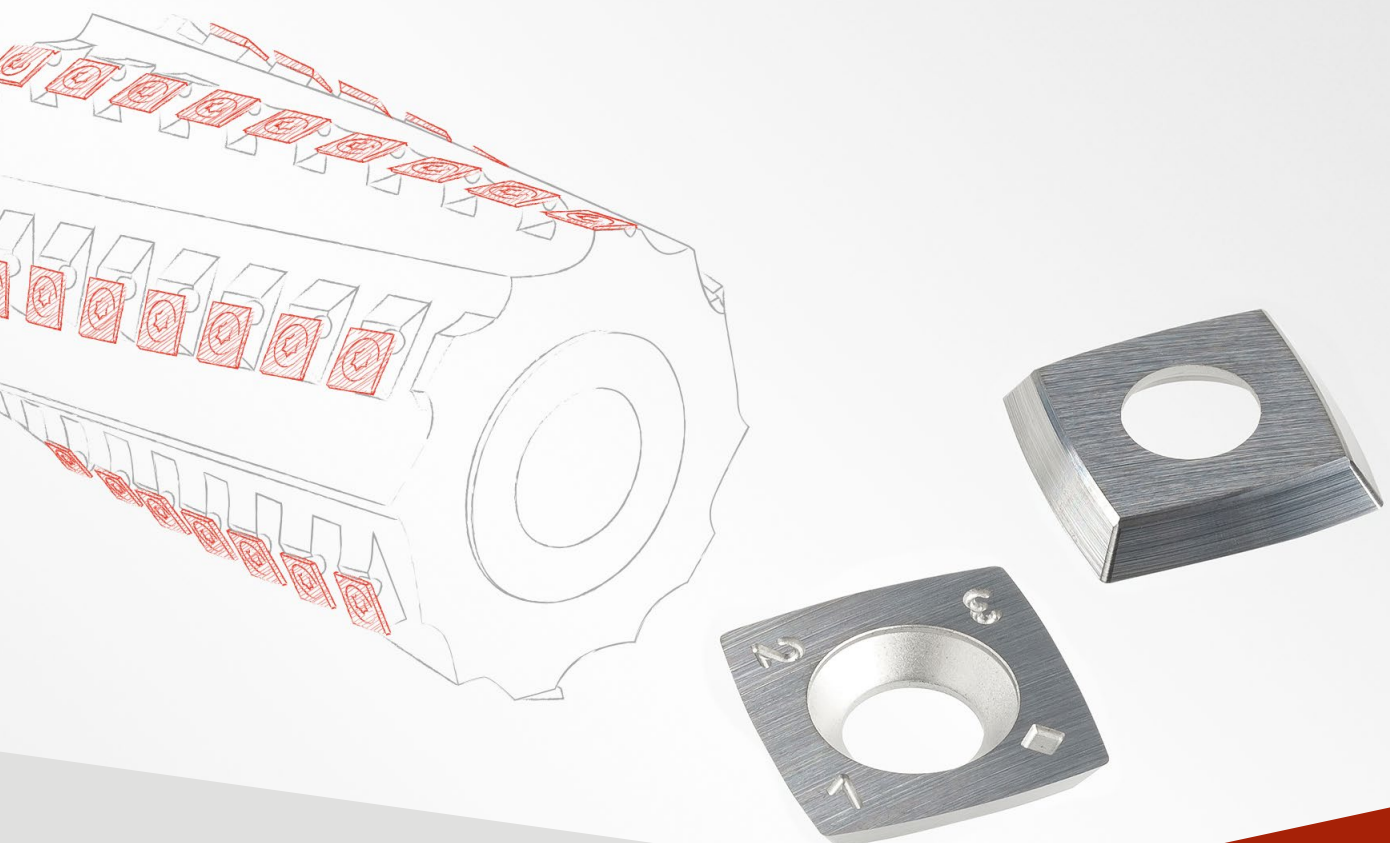


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CERATIZIT designation system

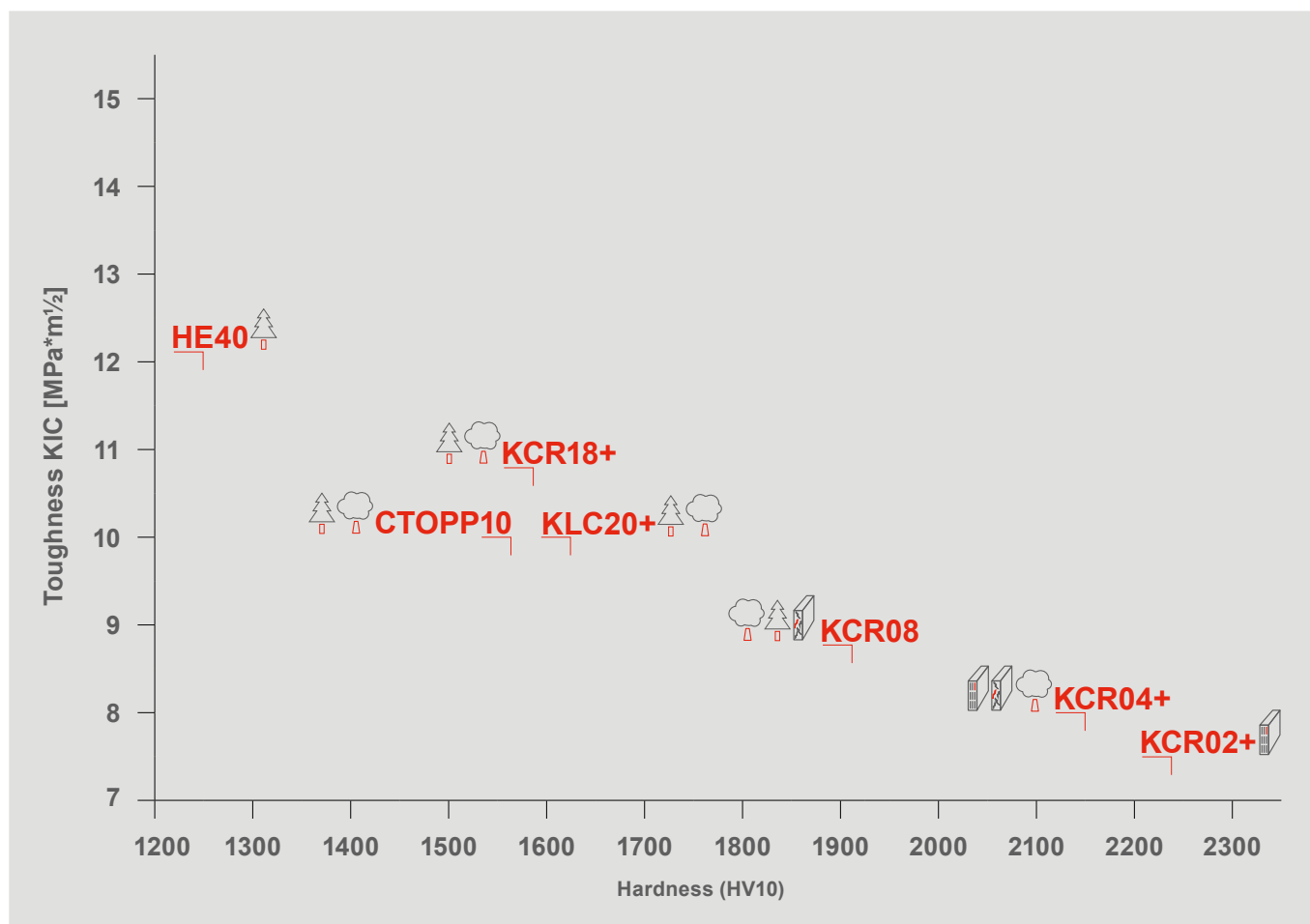
Indexable knives

	Product	Style	Length [mm]		Width [mm]		Thickness [mm]	Grade
Example	CTK	ST	50	X	12	X	1.5	KCR08
	K	Indexable knives	ST	Standard				



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 graph and table will guide you in finding the right grade for your application. All articles available in grade CTOPP10 can also be ordered in grade KLC20+.



	Softwood		Hardwood
	Chipboard		MDF/HDF



CERATIZIT grade code	Binder [m %]	Grain size	Hardness		Fracture toughness (K _{IC}) [MPa*m ^{1/2}]	Transverse rupture strength [MPa]	Applications
			HV10	HRA			
KCR02+	2.0	ultrafine	2240	95.0	7.5	2500	
KCR04+	2.7	ultrafine	2150	94.5	8.0	3400	
KCR08	4.2	submicron	1920	93.4	8.7	2600	
KCR18+	9.5	submicron	1590	91.7	10.8	3750	
KLC20+	10.0	submicron	1630	92.0	10.0	3200	
CTOPP10	10.0	submicron	1570	91.6	10.0	3000	
HE40	20.0	ultrafine	1250	88.8	12.1	3500	



Softwood



Hardwood

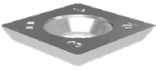
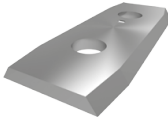
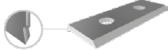
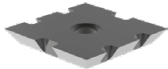
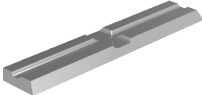
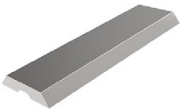
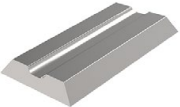
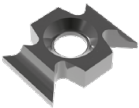
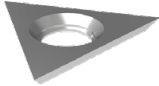


Chipboard

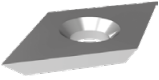
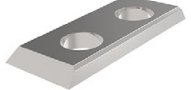
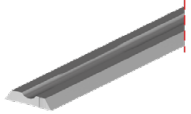
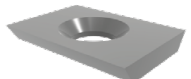


MDF/HDF

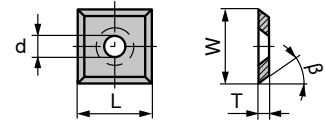
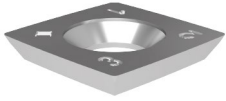
Portfolio – overview

Type, description		Grade	Pages
	CTK SC	KCR18+ KCR08 KCR02+ KCR04+ KLC20+ CTOPP10 HE40	14+15
	CTK ST	KCR08 KCR02+ KCR04+ KLC20+	16
	CTK FC	KCR08 KCR02+ KCR04+ KLC20+	17+18
	CTK ST BO	KCR18+ KCR08	18
	CTK SK LE CTK SK RI	KCR08	19
	CTK ST CB	HE40	19
	CTK FC CB	KCR08 CTOPP10	20
	CTK MK BCG	KCR08	20
	CTK MK FG	KCR02+ KCR08	21
	CTK MK BG	KCR08	21
	CTK CH	KCR08 KLC20+ CTOPP10	21
	CTK GR	KCR08 KLC20+ CTOPP10 HE40	22+23
	CTK SC 3CUT	KCR18+ KCR08 KLC20+ CTOPP10	23
	CTK CP	KCR18+	23

Portfolio – overview

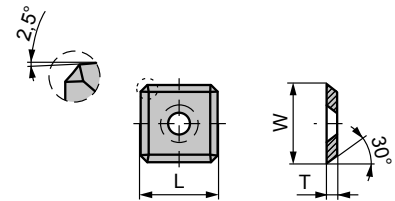
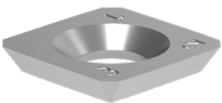
	Type, description	Grade	Pages
	CTK SC RHO	KCR08	24
	CTK ISO	KCR08 KCR02+ KCR04+	24
	CTK SC	KCR08 KCR18+	24
	CTK PK	KLC20+ CTOPP10	25
	CTK ST SH	KCR08 KCR08+	25
	CTK ST SH LE CTK ST SH RI	KCR08	25+26

CTK SC



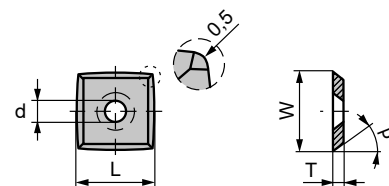
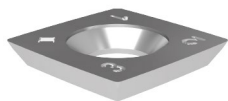
L [mm]	W [mm]	T [mm]	d [mm]	β [°]	Remark	KCR02+	KCR08	KCR18+	KLC20+	CTOPP10	HE40
10.5	10.5	1.5	4.0	35			11804575	12156411		12054627	
13.4	13.4	1.5	6.4	30	no grade marking					12114133	
13.6	13.6	2.0	6.4	45						12054629	
14.0	14.0	1.2	8.5	30			11498131		14855685	12004928	
14.0	14.0	1.7	8.5	30			12137477			12118225	
14.0	14.0	2.0	6.4	30		11956690	80359802	12156413	14855687	11742545	
14.0	14.0	2.0	6.4	45						12231787	
14.3	14.3	2.5	6.4	35						12280839	
14.6	14.6	2.5	6.4	30			11444230				
15.0	15.0	2.5	6.2	30			11815708	12240592		11829045	
15.0	15.0	2.5	6.4	37			11978167				
21.0	21.0	5.5	7.2	40							80358970
21.0	21.0	5.5	7.2	40							11593472
21.0	21.0	5.5	7.1	40	special shape w. grooves					11962866	
21.0	21.0	5.5	7.2	40	no grade marking						11718345

CTK SC LD



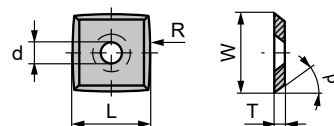
L [mm]	W [mm]	T [mm]	d [mm]	β [°]	Remark	KCR08
14.3	14.3	2.5	6.4	35	Left version	15068084
14.3	14.3	2.5	6.4	35	Right version	15068085

CTK SC R0.5



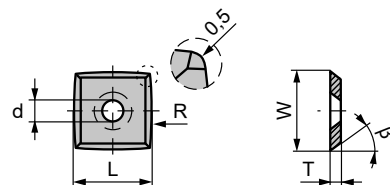
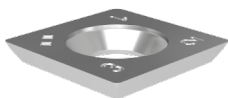
L [mm]	W [mm]	T [mm]	d [mm]	r [mm]	β [°]	KCR08	KCR02+	KLC20+
14.0	14.0	2.0	6.4	0.5	30	12112468		
15.0	15.0	2.5	6.4	0.5	30	82022498	12006643	14855688
15.0	15.0	2.5	6.4	0.5	37	82022499		

CTK SC R



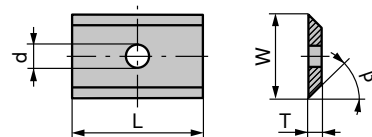
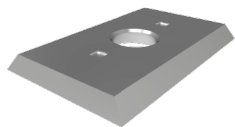
L [mm]	W [mm]	T [mm]	d [mm]	R [mm]	β [°]	Surface finish	KCR18+	CTOPP10	KLC20+
15.0	15.0	2.5	6.3	95	30	ground		11778838	
15.0	15.0	2.5	6.3	115	30	ground		11789902	
15.0	15.0	2.5	6.3	150	30	ground	12618855	11789899	14855692
15.0	15.0	2.5	6.3	190	40	micropolish	12247474		
15.0	15.0	2.5	6.3	190	40	ground	14541392		
21.3	21.3	5.5	7.3	60	41	ground	11989375		

CTK SC R R0.5



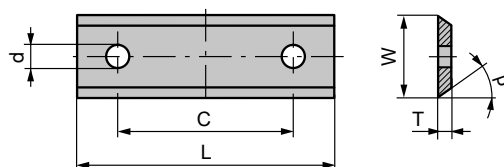
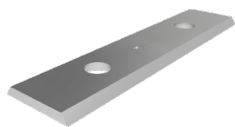
L [mm]	W [mm]	T [mm]	d [mm]	r [mm]	R [mm]	β [°]	KCR18+	KCR08	CTOPP10	KLC20+
13.8	13.8	2.5	6.3	0.5	150	30		12100185	12243347	
15.0	15.0	2.5	6.3	0.5	50	30	12527096	11721820	11918428	
15.0	15.0	2.5	6.3	0.5	115	30	12240594	82019711	11827617	14855691
15.0	15.0	2.5	6.3	0.5	150	30	12240593	12112633	11827613	14855693

CTK ST 1 hole



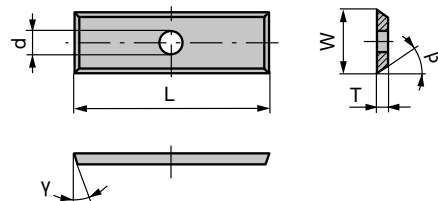
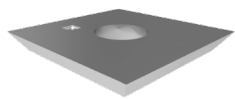
L [mm]	W [mm]	T [mm]	d [mm]	β [°]	Surface finish	KCR08	KCR02+	CTOPP10	KLC20+
7.5	12.0	1.5	4.1	35	ground	80360013			
7.6	12.0	1.5	4.1	35	ground	12142499			
9.6	12.0	1.5	4.1	35	ground	80360014	12280832	11791000	
10.5	12.0	1.5	4.1	35	ground	80360015			
11.0	12.0	1.5	4.1	35	ground	80360016			
11.6	12.0	1.5	4.1	35	ground	12127730			
13.0	12.0	1.5	4.1	35	ground	80360017			
15.0	12.0	1.5	4.1	35	ground	80360018	11956726	11791001	
15.7	12.0	1.5	4.1	35	ground	80360019			
17.0	12.0	1.5	4.1	35	ground	80360020			
18.0	12.0	1.5	4.1	35	ground	80360021			
19.0	12.0	1.5	4.1	35	ground	80360022			
20.0	12.0	1.5	4.1	35	ground	80358831	11956682	11791002	14855694
24.7	12.0	1.5	4.1	35	ground	80360023			

CTK ST 2 holes



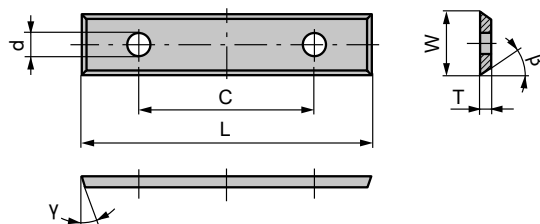
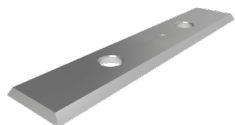
L [mm]	W [mm]	T [mm]	C [mm]	d [mm]	β [°]	Surface finish	KCR18+	KCR08	KCR02+	CTOPP10	HE40	KLC20+
24.7	12.0	1.5	14	4.1	35	ground		80360024				
50.0	12.0	1.5	26	4.1	35	ground		80358835	11938348	11742544	80357928	14855697
30.0	12.0	1.5	14	4.1	35	ground	12170551	80358833	11938347	11742547		14855695
30.0	12.0	2.5	14	4.1	35	ground		12054645				
40.0	12.0	1.5	26	4.1	35	ground		80360025	11956684	11791003		14855696
50.0	12.0	1.5	26	4.1	35	ground						
60.0	12.0	1.5	26	4.1	35	ground		80360026	11956687	11791004		14855699

CTK FC 1 hole



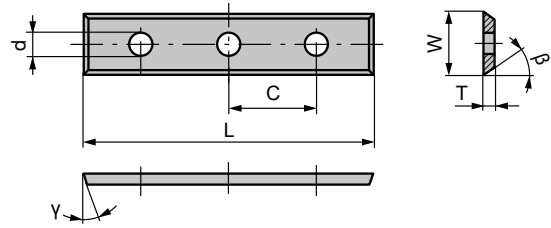
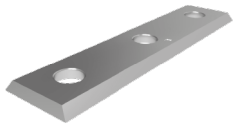
L [mm]	W [mm]	T [mm]	d [mm]	β [°]	γ [°]	Surface finish	KCR08	KCR02+	CTOPP10	KLC20+
9.0	12.0	1.5	4.1	35	20	ground	12156617			
10.5	10.5	1.5	4.1	35	35	ground	80360027			
12.0	12.0	1.5	4.1	35	35	ground	80360030	11956674	11820512	14855683
15.0	15.0	2.0	4.1	35	35	ground	11235079			
17.0	17.0	2.0	4.1	35	35	ground	80360028			
19.0	19.0	2.0	4.1	35	35	ground	80360029			
19.4	12.0	1.5	4.1	35	20	ground		12132387		
19.5	12.0	1.5	4.1	35	20	ground	12089523			

CTK FC 2 holes



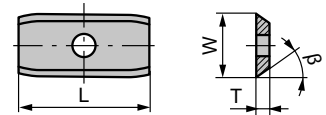
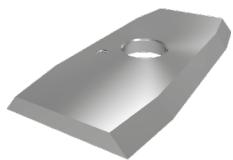
L [mm]	W [mm]	T [mm]	C [mm]	d [mm]	β [°]	γ [°]	Surface finish	KCR08	KCR02+	CTOPP10
29.5	9.0	1.5	14	4.1	35	20	ground	80360081	12161430	
29.5	12.0	1.5	14	4.1	35	20	ground	80360082	12054381	11812696
39.5	9.0	1.5	14	4.1	35	20	ground	12054605		
39.5	12.0	1.5	26	4.1	35	20	ground	12048478	12272871	
49.2	9.0	1.5	26	4.1	35	20	ground	80360083	12115072	
49.2	12.0	1.5	26	4.1	35	20	ground	80360089	12125307	
49.5	9.0	1.5	26	4.1	35	20	ground	12339542		
59.2	12.0	1.5	26	4.1	35	20	ground	12028637	12131729	

CTK FC 3 holes



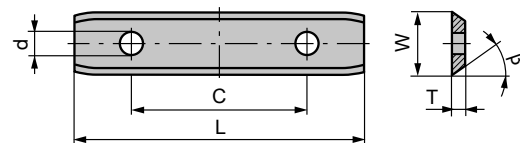
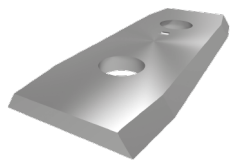
L [mm]	W [mm]	T [mm]	C [mm]	d [mm]	β [°]	γ [°]	Surface finish	Remark	KCR08	KCR02+
50.0	12.0	1.7	18.5	4.1	35	20	ground		80358958	12098694
50.0	12.0	1.7	18.5	4.1	35	35	ground	Obround holes (LE/RI)	12013554	

CTK ST BO 1 hole



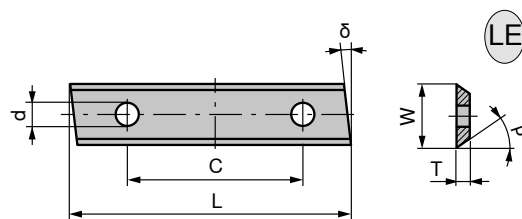
L [mm]	W [mm]	T [mm]	d [mm]	β [°]	KCR08	KCR18+
20.0	12.0	1.5	4.1	35	12384545	12156743
24.0	12.0	1.5	4.1	40	11952447	
24.7	12.0	1.5	4.1	40	12145464	

CTK ST BO 2 holes



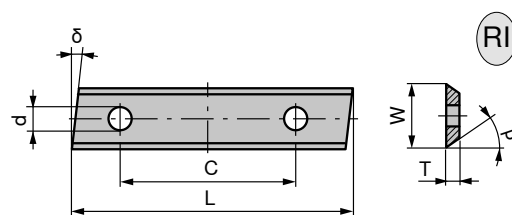
L [mm]	W [mm]	T [mm]	C [mm]	d [mm]	β [°]	KCR18+	KCR08
30.0	12.0	1.5	14	4.1	35	12626372	12071624
50.0	12.0	1.5	26	4.1	35		12130694

CTK SK LE



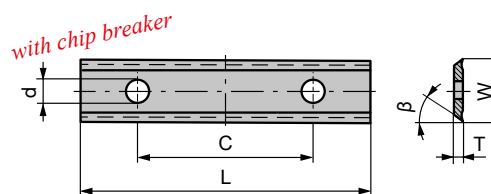
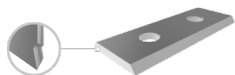
L [mm]	W [mm]	T [mm]	C [mm]	d [mm]	β [°]	δ [°]	KCR08
19.5	12.0	1.5	0	4.1	35	10	80360076
28.3	12.0	1.5	14	4.1	35	5	12201038
29.5	12.0	1.5	14	4.1	35	5	80360077
29.5	12.0	1.5	14	4.1	35	15	80360071
48.3	12.0	1.5	26	4.1	35	5	12201040
49.5	12.0	1.5	26	4.1	35	5	80360079

CTK SK RI



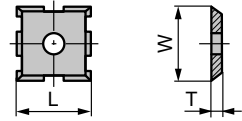
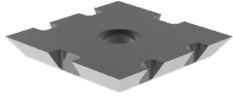
L [mm]	W [mm]	T [mm]	C [mm]	d [mm]	β [°]	δ [°]	KCR08
19.5	12.0	1.85		4.1	0	0	80360075
29.5	12.0	1.5	14	4.1	35	5	80360078
29.5	12.0	1.5	14	4.1	35	15	80360070
49.5	12.0	1.5	26	4.1	35	5	80360080

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

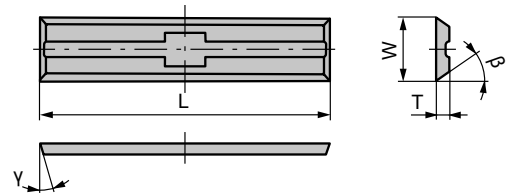
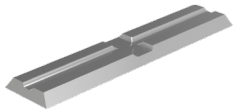
CTK FC CB



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

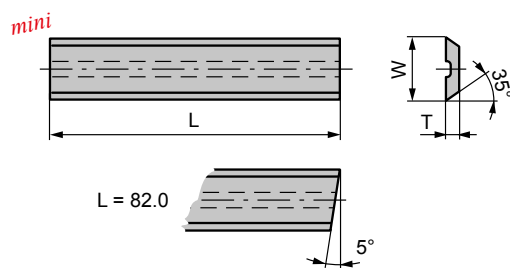
L [mm]	W [mm]	T [mm]	KCR18+	CTOPP10
15.0	15.0	2.0	12156746	12054584

CTK MK BCG



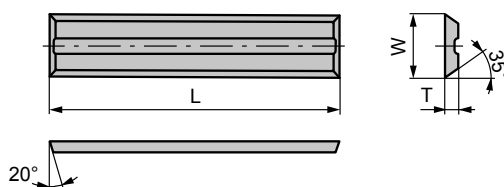
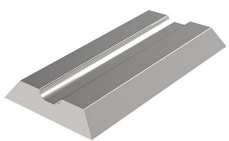
L [mm]	W [mm]	T [mm]	β [°]	γ [°]	KCR08
20.0	4.1	1.1	35	20	11996997
20.0	5.5	1.1	35	20	11998682
25.0	5.5	1.1	35	20	11996996
30.0	5.5	1.1	35	20	11998684
40.0	5.5	1.1	35	20	11998685
50.0	5.5	1.1	35	20	11998686

CTK MK FG



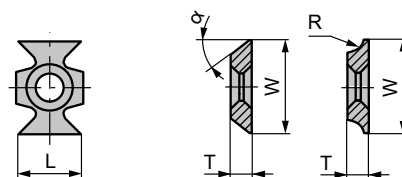
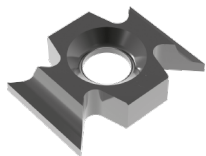
L [mm]	W [mm]	T [mm]	β [°]	γ [°]	KCR02+	KCR08
20	5.5	1.1	35	0		11998657
30	5.5	1.1	35	0		11998659
40	5.5	1.1	35	0		11998660
50	5.5	1.1	35	10	57002730	11998661

CTK MK BG



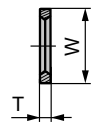
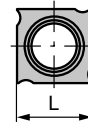
L [mm]	W [mm]	T [mm]	β [°]	γ [°]	KCR08
12	5.5	1.1	35	20	11998680

CTK CH



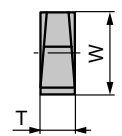
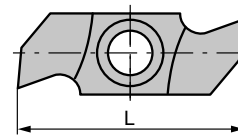
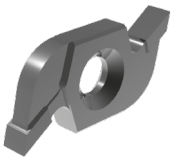
L [mm]	W [mm]	T [mm]	R [mm]	α [°]	KCR08	CTOPP10
22.0	16.0	5.0		45	11498133	11921629
22.0	16.0	5.0	1.0		12003893	11921631
22.0	16.0	5.0	1.5		11844764	11921633
22.0	16.0	5.0	2.0		11716752	11921635
22.0	16.0	5.0	2.5		11716750	11921636
22.0	16.0	5.0	3.0		11498136	11921638
22.0	16.0	5.0	5.0		12003894	11921640

CTK GR type 1



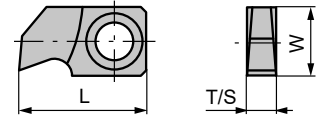
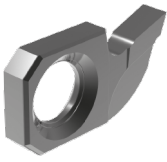
L [mm]	W [mm]	T [mm]	KCR08	CTOPP10
14.00	14.00	2.00	12120335	
14.00	14.00	2.50	12131506	12280851
14.00	14.00	3.00	12114136	
18.00	18.00	1.95	11773916	11820356
18.00	18.00	2.50	11621998	12124722
18.00	18.00	2.95	12096095	
18.00	18.00	3.70	11621999	12172315
18.00	18.00	4.00	12054594	

CTK GR type 2



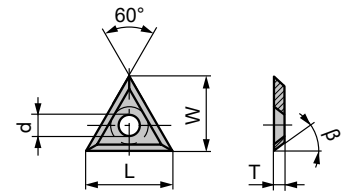
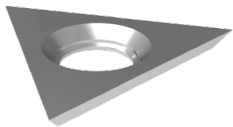
L [mm]	W [mm]	T [mm]	CTOPP10	HE40
34.0	16.0	3.2	11921649	
34.0	16.0	4.0	11921650	
34.0	16.0	5.0	11921651	
45.1	22.0	8.1		82010097
45.1	22.0	8.1		82010098

CTK GR type 3



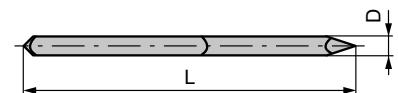
L [mm]	W [mm]	T [mm]	CTOPP10
24.5	13.0	3.0	11921643
24.5	13.0	4.0	11921646
24.5	13.0	5.0	11921648

CTK SC 3CUT



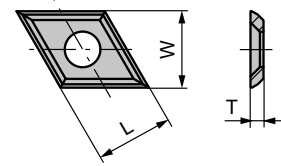
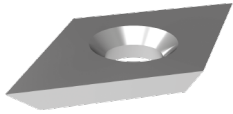
L [mm]	W [mm]	T [mm]	d [mm]	β [°]	KCR18+	KCR08	CTOPP10
22.0	19.5	2.0	6.5	30	12302609	12099425	12054630

CTK CP



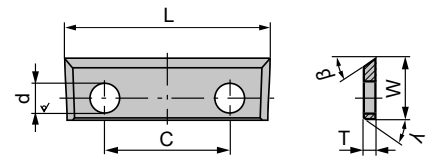
L [mm]	D [mm]	KCR18+
33.5	3.0	12156749

CTK SC RHO



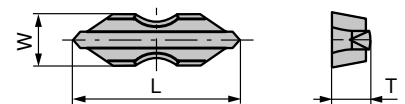
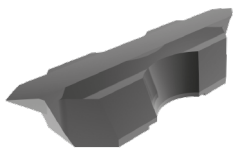
L [mm]	W [mm]	T [mm]	KCR08
14.0	14.0	2.0	12054654

CTK ISO



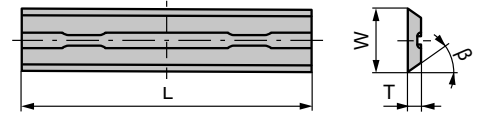
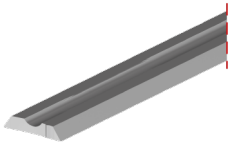
L [mm]	W [mm]	T [mm]	C [mm]	d [mm]	β [°]	γ [°]	Surface finish	KCR08	KCR02+
16.0	7.0	1.5	7	3.4	35	30	ground	12004870	
23.0	7.0	1.5	14	3.4	35	30	ground	12004871	
23.0	7.0	1.5		3.4	35	25	ground	12583904	
23.0	7.0	1.5		3.4	35	25	ground	12583900	
28.0	7.0	1.5	14	3.4	35	30	ground	12004877	
29.5	7.0	1.5	16	3.4	35	25	ground	11959958	12152608

CTK SC



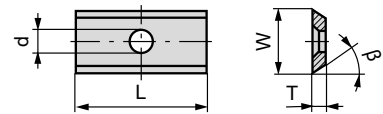
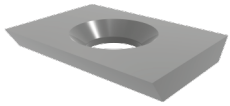
L [mm]	W [mm]	T [mm]	KCR18+	KCR08
18.0	5.7	3.5	12281790	11670721

CTK PK



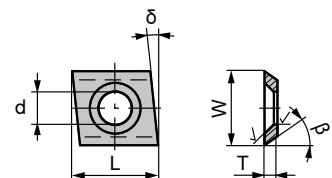
L [mm]	W [mm]	T [mm]	β [°]	CTOPP10
56.0	5.5	1.1	35	12131249
75.5	5.5	1.1	35	11871695
78.0	5.5	1.1	35	12118371
80.5	5.9	1.2	40	11871691
82.0	5.5	1.1	35	11801133
92.0	5.5	1.2	35	12280863
102.0	5.5	1.1	35	12142972

CTK ST SH



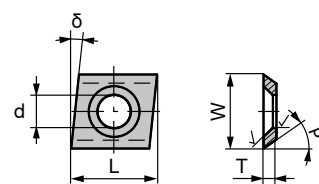
L [mm]	W [mm]	T [mm]	d [mm]	β [°]	Surface finish	KCR08	KCR18+
20.0	14.3	2.5	6.4	35	ground	12131236	12429863

CTK SC SH LE



L [mm]	W [mm]	T [mm]	d [mm]	β [°]	δ [°]	Surface finish	KCR08
15.0	14.3	2.5	6.4	35	6	ground	12217264

CTK SC SH RI



L [mm]	W [mm]	T [mm]	d [mm]	β [°]	δ [°]	Surface finish	KCR08
15.0	14.3	2.5	6.4	35	6	ground	12217261

Planer blades

Planer blades with specially designed inlays made of carbide significantly reduce the weight of the finished tool. We are presenting the product tables by indicating the available ranges to provide a better overview of the great variety of our planer blades.

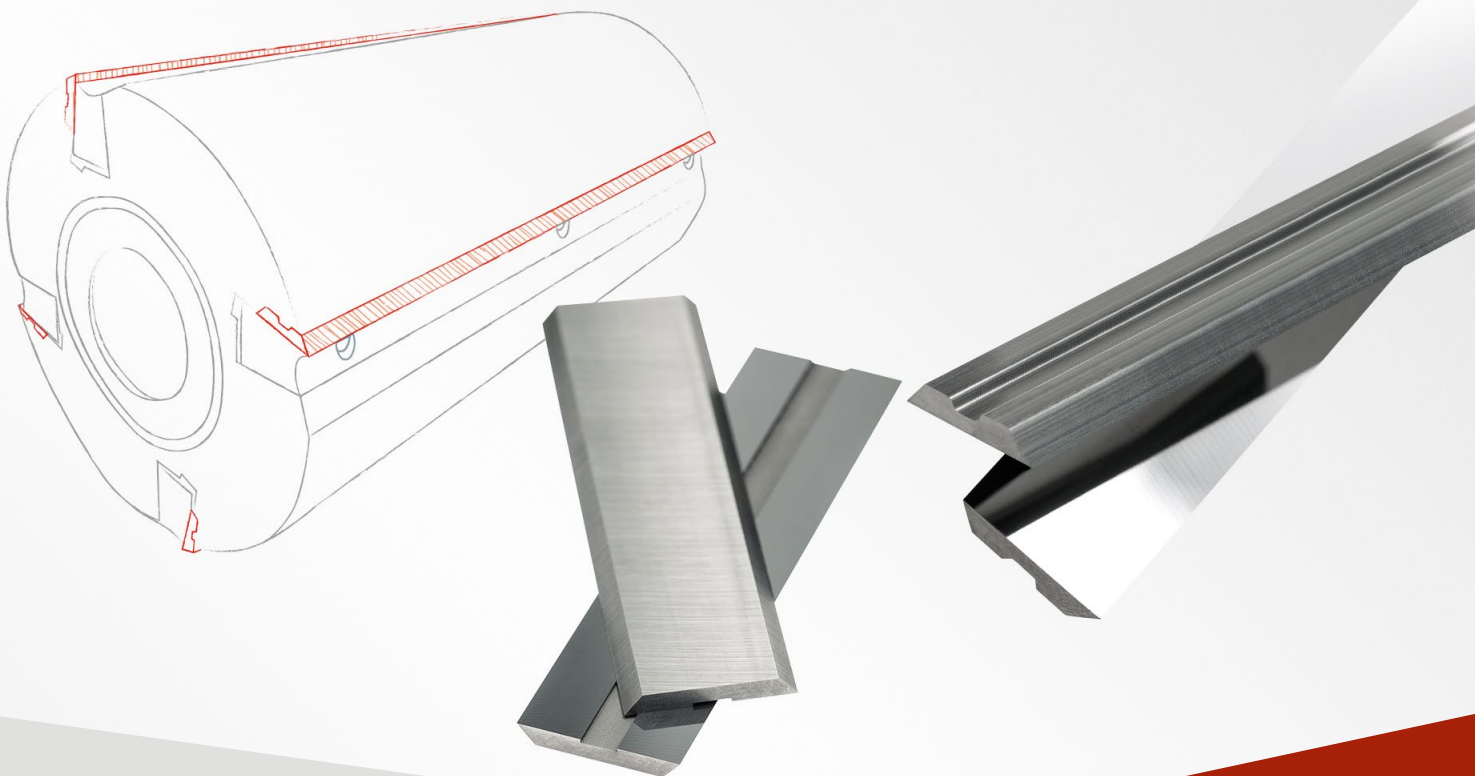


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CERATIZIT designation system

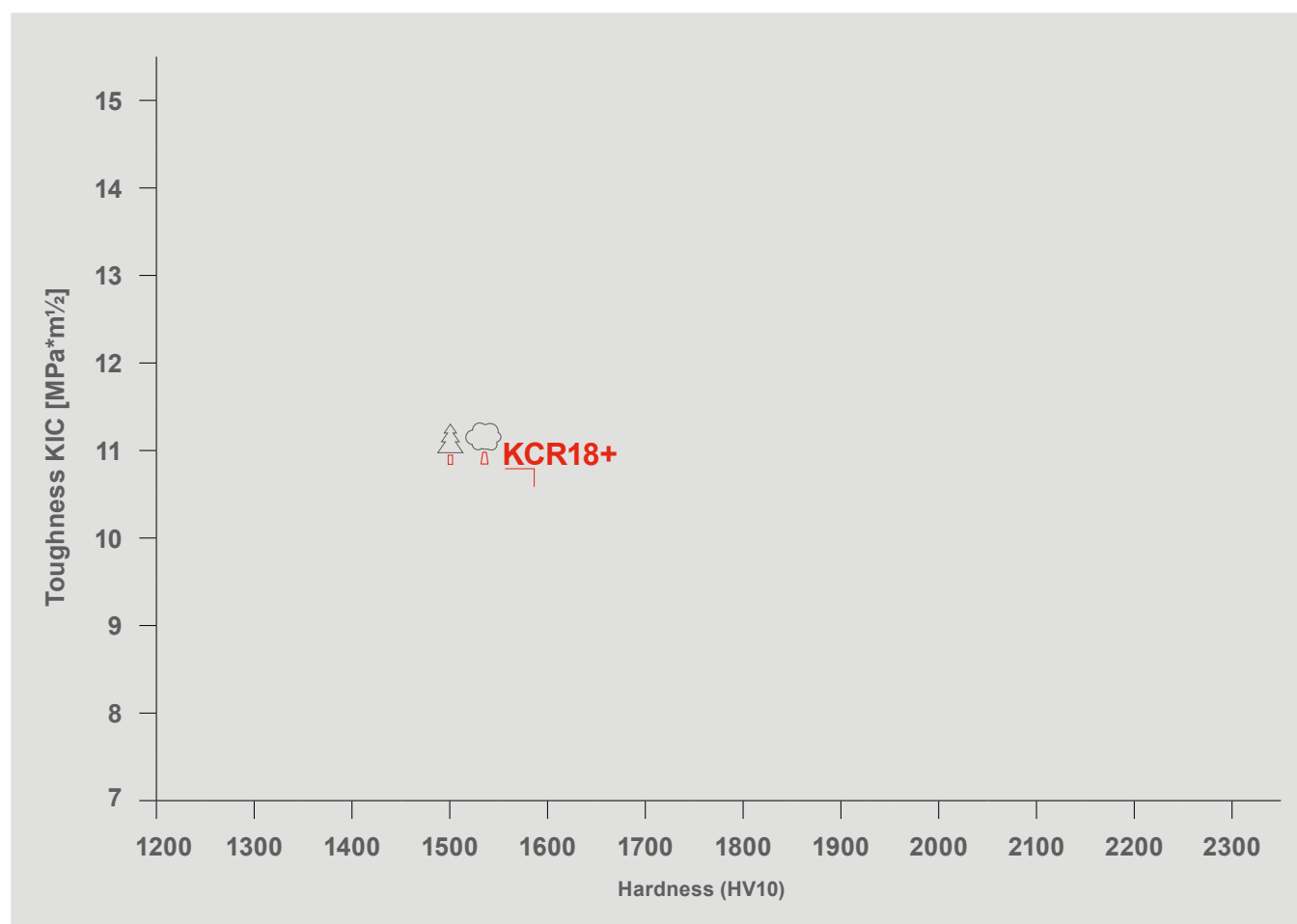
Planer blades

	Product	Style	Length [mm]		Width [mm]		Thickness [mm]	Grade
Example	CTK	CL	18	X	16	X	3	KCR18+
	K	Indexable knives	CL	Centrolock				

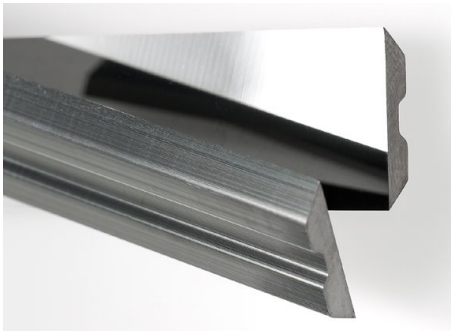


Grade recommendation

We recommend the KCR18+ grade, which is the best choice for softwood and hardwood.

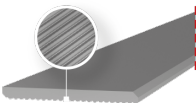
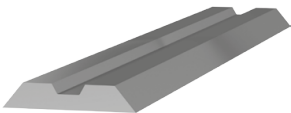
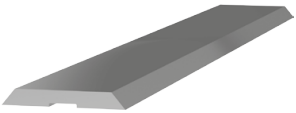


	Softwood		Hardwood
	Chipboard		MDF/HDF



CERATIZIT grade code	Binder [m %]	Grain size	Hardness		Fracture toughness (K _{IC}) [MPa*m ^{1/2}]	Transverse rupture strength [MPa]	Applications
			HV10	HRA			
KCR18+	9.5	submicron	1590	91.7	10.8	3750	 

Portfolio – overview

	Type, description	Grade	Pages
	CTK TM (TERMINUS)	KCR18+	30
	CTK CL (CENTROLOCK)	KCR18+	30+31
	CTK BZ (BULLDOZER)	KCR18+	31+32



Softwood



Hardwood

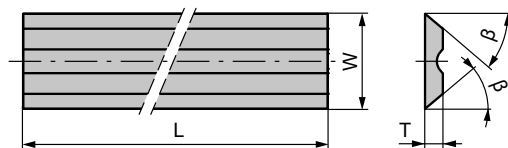
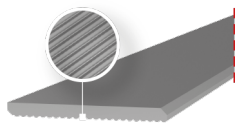


Chipboard



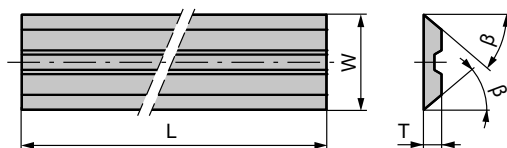
MDF/HDF

CTK TM



L [mm]	W [mm]	T [mm]	KCR18+
100	14.1	2.56	12570099
130	14.1	2.56	12570111
150	14.1	2.56	12570114
180	14.1	2.56	12570115
230	14.1	2.56	12570116
650	14.1	2.56	12570117

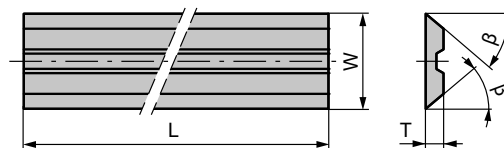
CTK CL



L [mm]	W [mm]	T [mm]	β [°]	KCR18+
9.78	16.0	3.0	50	14555989
10	16.0	3.0	50	14507523
20	16.0	3.0	50	14504849
40	16.0	3.0	50	14555990
60	16.0	3.0	50	12567742
70	16.0	3.0	50	14504850
80	16.0	3.0	50	12567743
100	16.0	3.0	50	12567744
110	16.0	3.0	50	14504851
115	16.0	3.0	50	14503935
120	16.0	3.0	50	14555987
130	16.0	3.0	50	12567747
140	16.0	3.0	50	14542480
150	16.0	3.0	50	12567748
160	16.0	3.0	50	14504852
170	16.0	3.0	50	12567760
180	16.0	3.0	50	14467002
190	16.0	3.0	50	12567762
190	16.0	3.0	50	12567763
210	16.0	3.0	50	12567764

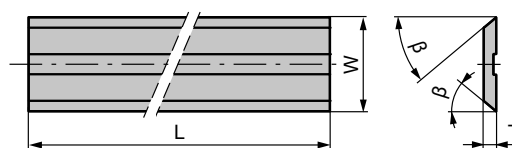


CTK CL



L [mm]	W [mm]	T [mm]	β [°]	KCR18+
220	16.0	3.0	50	14504853
230	16.0	3.0	50	12567766
240	16.0	3.0	50	12567767
250	16.0	3.0	50	12570092
270	16.0	3.0	50	12570095
275	16.0	3.0	50	14504854
280	16.0	3.0	50	14504855
285	16.0	3.0	50	14479413
300	16.0	3.0	50	14507525
310	16.0	3.0	50	12570096
350	16.0	3.0	50	14504856
360	16.0	3.0	50	14504857
430	16.0	3.0	50	14555988
450	16.0	3.0	50	14504859
460	16.0	3.0	50	14504861

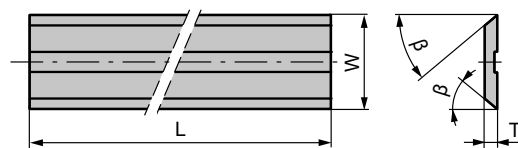
CTK BZ



L [mm]	W [mm]	T [mm]	β [°]	KCR18+
100	13.6	1.8	40	12567710
120	13.6	1.8	40	12567715
130	13.6	1.8	40	12567726
140	13.6	1.8	40	14504867
150	13.6	1.8	40	12567727
160	13.6	1.8	40	14504868
180	13.6	1.8	40	12567728
190	13.6	1.8	40	14504865
200	13.6	1.8	40	14504875
210	13.6	1.8	40	14504869
230	13.6	1.8	40	12567729



CTK BZ



L [mm]	W [mm]	T [mm]	β [°]	KCR18+
240	13.6	1.8	40	12567730
245	13.6	1.8	40	14504870
250	13.6	1.8	40	14555991
260	13.6	1.8	40	14456728
265	13.6	1.8	40	14504871

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.

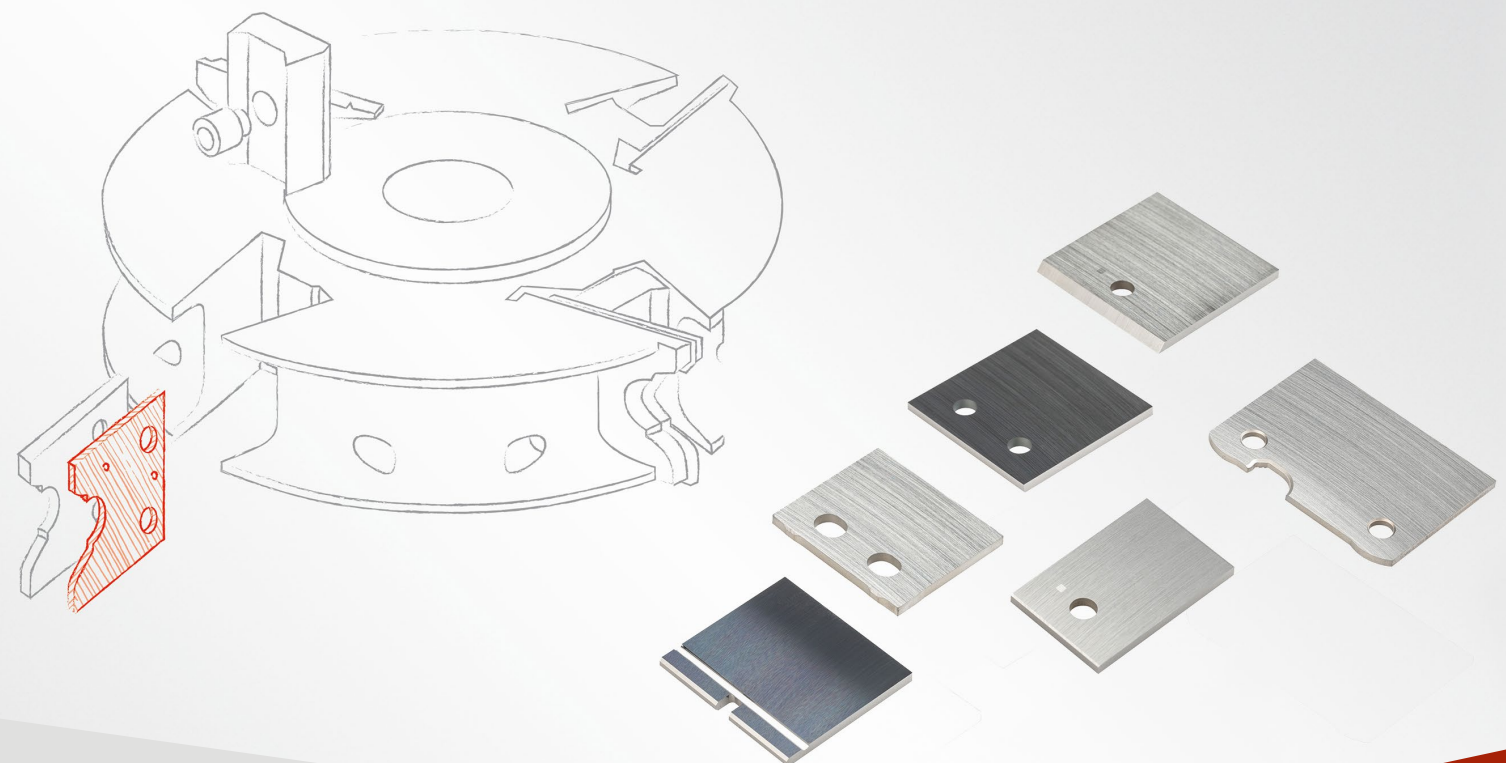


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CERATIZIT designation system

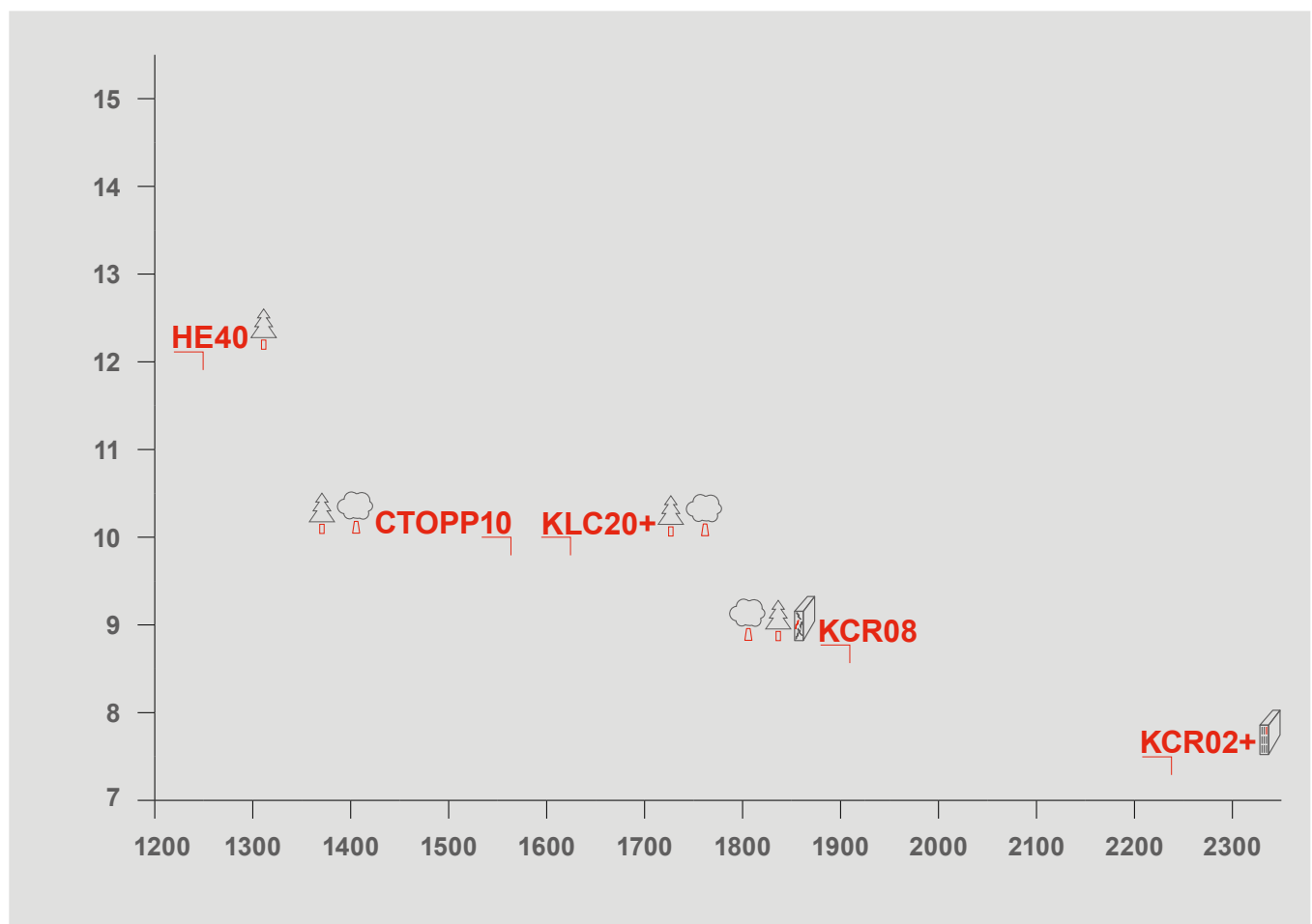
Profiling blanks

	Product	Style	Holes / chamfer [mm]	Length [mm]		Width [mm]	Thickness [mm]	Grade
Standard	CTBL	ST	20	20.0	X	25.5	2.0	KCR08
	BL	Profiling blanks	ST	Standard	2 0	Holes Chamfer		



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 graph and table will guide you in finding the right grade for your application. All articles available in grade CTOPP10 can also be ordered in grade KLC20+.



	Softwood		Hardwood
	Chipboard		MDF/HDF



CERATIZIT grade code	Binder [m %]	Grain size	Hardness		Fracture toughness (K _{IC}) [MPa*m ^{1/2}]	Transverse rupture strength [MPa]	Applications
			HV10	HRA			
KCR02+	2.0	ultrafine	2240	95.0	7.5	2500	
KCR08	4.2	submicron	1920	93.4	8.7	2600	
KLC20+	10.0	submicron	1630	92.0	10.0	3200	
CTOPP10	10.0	submicron	1570	91.6	10.0	3000	
HE40	20.0	ultrafine	1250	88.8	12.1	3500	



Softwood



Hardwood

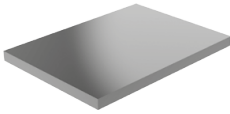
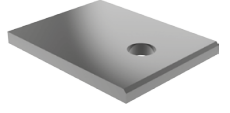
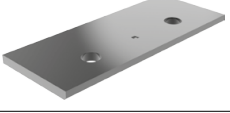
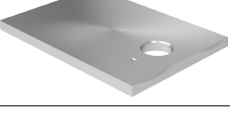
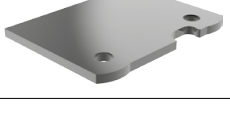
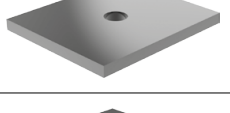
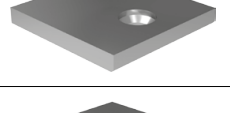
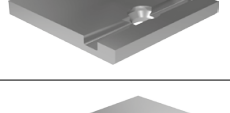
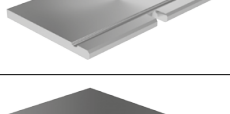
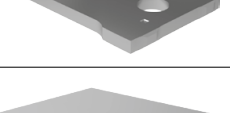


Chipboard

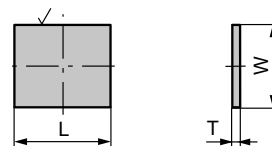
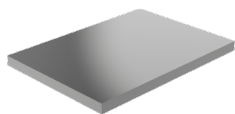


MDF/HDF

Portfolio – overview

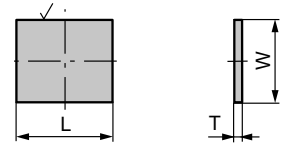
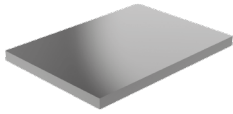
	Type, description	Grade	Pages
	CTBL ST00	KCR08 CTOPP10	37+38
	CTBL ST10 CTBL ST11 CTBL ST12	KCR08 HE40	39–41
	CTBL ST20 CTBL ST21 CTBL ST22	KCR08 HE40	41–43
	CTBL MP10 CTBL MP11 CTBL MP20 CTBL MP21	KCR08	44–46
	CTBL SP20	KCR08	47
	CTBL RV10 CTBL RV20 CTBL RV22	KCR08	47+48
	CTBL CH10 CTBL CH20	KCR08	49+50
	CTBL GR10 CTBL GR20	KCR08	50+51
	CTBL MC00	KCR08	51+52
	CTBL NN10 CTBL NN20	KCR08 HE40	53+54
	CTBL IT10 CTBL IT11 CTBL IT20 CTBL IT21	KCR08	54–57
	CTBL PF10	KCR08	57
	CTBL PF12	KCR08	58

CTBL ST00



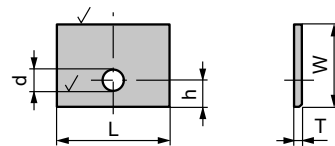
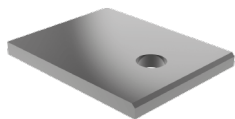
L [mm]	W [mm]	T [mm]	KCR08	CTOPP10
15.0	15.5	2.0	11965858	
15.0	20.5	2.0	11965861	
15.0	25.5	2.0	11965867	
20.0	20.5	2.0	82023321	11776550
20.0	25.5	2.0	82019119	12072233
20.0	30.5	2.0	80301000	12072277
20.0	35.5	2.0	11965873	
25.0	20.5	2.0	82021847	
25.0	25.5	2.0	82026075	
25.0	30.5	2.0	82026077	12072279
25.0	35.5	2.0	80301001	
25.0	40.5	2.0		12071865
30.0	15.5	2.0	82019728	
30.0	25.5	2.0	82024505	12072280
30.0	25.5	2.5	12067816	
30.0	30.5	2.0	82021360	12071868
30.0	35.5	2.0	80301002	
30.0	30.5	2.5	12030938	
30.0	40.5	2.0	11965874	12072283
35.0	20.5	2.0		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	25.5	2.0	82019223	
40.0	30.4	2.0	82021543	
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	

CTBL ST00



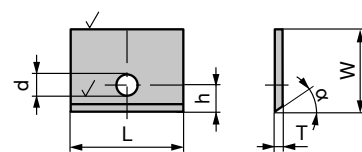
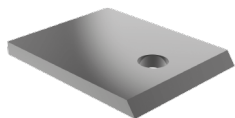
L [mm]	W [mm]	T [mm]	KCR08	CTOPP10
60.0	25.5	2.0	82025828	
60.0	30.5	2.0	82028435	
60.0	35.5	2.0	11363187	
60.0	40.5	2.0	80301005	12099409
60.0	45.5	2.0	11965880	
70.0	20.5	2.0	11965881	
70.0	30.5	2.0	11495972	
70.0	40.5	2.0	82026083	
70.0	50.5	2.0	82024732	
80.0	25.5	2.0	11965882	
80.0	35.5	2.0	80301006	11783958
80.0	40.5	2.0	11790549	
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	40.5	2.0	11965905	

CTBL ST10



L [mm]	W [mm]	T [mm]	h [mm]	d [mm]	KCR08	HE40
15.0	20.5	2.0	6.5	4.2	11342117	
15.0	25.5	2.0	6.5	4.2	11342115	
20.0	20.5	2.0	6.5	4.2	80301010	80300507
20.0	25.5	2.0	6.5	4.2	80301011	80300508
20.0	30.5	2.0	6.5	4.2	80301012	80300509
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	80301015	80300510
25.0	30.5	2.0	6.5	4.2	80301016	80300511
25.0	35.5	2.0	6.5	4.2	80301017	80358372
30.0	20.5	2.0	6.5	4.2	80301018	80300512
30.0	25.5	2.0	6.5	4.2	80301019	80358373
30.0	30.5	2.0	6.5	4.2	80301020	80300513
30.0	35.5	2.0	6.5	4.2	80332963	82002931
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	

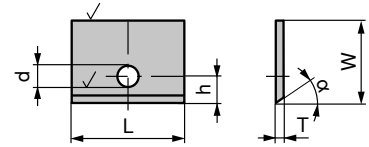
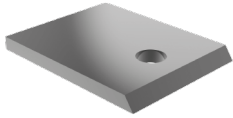
CTBL ST11



L [mm]	W [mm]	T [mm]	h [mm]	d [mm]	α [°]	KCR08	HE40
15.0	15.5	2.0	6.3	4.2	35	80301047	
15.0	20.5	2.0	6.3	4.2	35	80301048	80300401
15.0	25.5	2.0	6.3	4.2	35	80301049	80300402
15.0	30.5	2.0	6.3	4.2	35	80301050	80300403
20.0	20.5	2.0	6.3	4.2	35	80301051	80300404
20.0	25.5	2.0	6.3	4.2	35	80301052	80300405
20.0	30.5	2.0	6.3	4.2	35	80301053	80300406
20.0	35.5	2.0	6.3	4.2	35	80301054	80300407

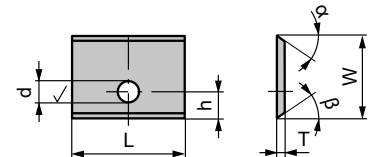
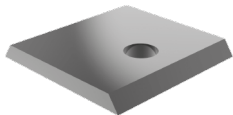


CTBL ST11



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

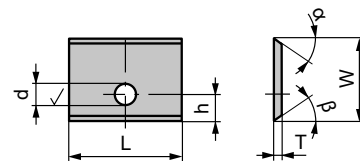
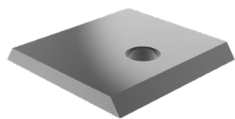
CTBL ST12



L [mm]	W [mm]	T [mm]	h [mm]	d [mm]	α [°]	β [°]	KCR08	HE40
15.0	20.0	2.0	6.3	4.2	35	35	11964635	80300700
20.0	20.0	2.0	6.3	4.2	35	35		80300701
20.0	30.0	2.0	6.3	4.2	35	35		80300702
25.0	20.0	2.0	6.3	4.2	35	35		80300703
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	11964636	80300705

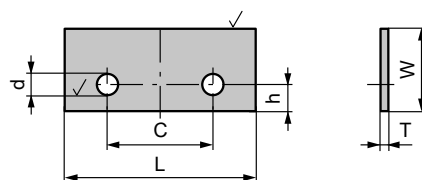


CTBL ST12



L [mm]	W [mm]	T [mm]	h [mm]	d [mm]	α [°]	β [°]	KCR08	HE40
30.0	25.0	2.0	6.3	4.2	35	35		80300706
30.0	35.0	2.0	6.3	4.2	35	35		80300707
35.0	30.0	2.0	6.3	4.2	35	35	11964637	80300708
35.0	35.0	2.0	6.3	4.2	35	35		80300709

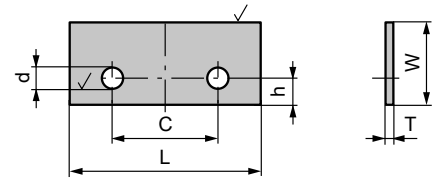
CTBL ST20



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
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	25.5	2.0	26	6.5	4.2	11356817	
60.0	30.5	2.0	26	6.5	4.2	11353637	
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	

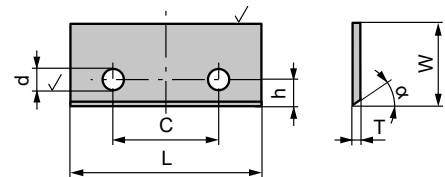
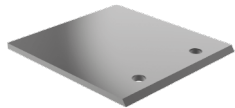


CTBL ST20



L [mm]	W [mm]	T [mm]	C [mm]	h [mm]	d [mm]	KCR08	HE40
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
100.0	30.5	2.0	60	6.5	4.2	12023525	
100.0	35.5	2.0	60	6.5	4.2	12026020	
120.0	30.5	2.0	60	6.5	4.2	12530137	
120.0	35.5	2.0	60	6.5	4.1	12530139	
120.0	40.5	2.0	60	6.5	4.1	12582620	

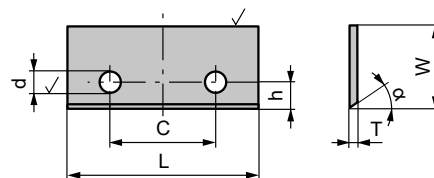
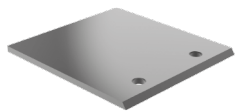
CTBL ST21



L [mm]	W [mm]	T [mm]	C [mm]	h [mm]	d [mm]	α [°]	KCR08	HE40
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	
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	80301076	80300600
40.0	25.5	2.0	26	6.3	4.2	35	80301077	80300602
40.0	30.5	2.0	26	6.3	4.2	35	80301078	80300604
40.0	35.5	2.0	26	6.3	4.2	35	80301079	80300606
40.0	40.5	2.0	26	6.3	4.2	35	80301080	80300607
50.0	20.5	2.0	26	6.3	4.2	35	80301081	80300608
50.0	25.5	2.0	26	6.3	4.2	35	80301082	82015962
50.0	30.5	2.0	26	6.3	4.2	35	80301083	80300609
50.0	35.5	2.0	26	6.3	4.2	35	80301084	80300610
50.0	40.5	2.0	26	6.3	4.2	35	80301085	80300611

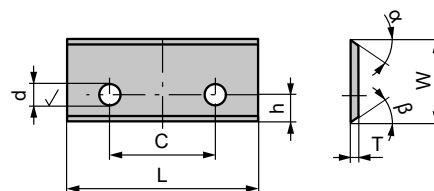
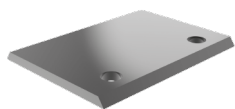


CTBL ST21



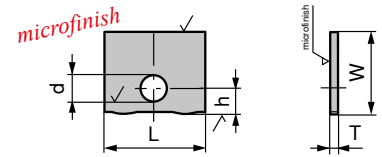
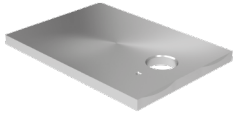
L [mm]	W [mm]	T [mm]	C [mm]	h [mm]	d [mm]	α [°]	KCR08	HE40
60.0	25.5	2.0	26	6.3	4.2	35	80301086	80300612
60.0	30.5	2.0	26	6.3	4.2	35	80301087	80300613
60.0	35.5	2.0	26	6.3	4.2	35	80301088	82002631
60.0	40.5	2.0	26	6.3	4.2	35	80301090	80300615
70.0	20.5	2.0	26	6.3	4.2	35	11424210	
70.0	25.5	2.0	26	6.3	4.2	35	80301091	
70.0	30.5	2.0	26	6.3	4.2	35	80301092	82002516
70.0	35.5	2.0	26	6.3	4.2	35	80301093	80300616
80.0	25.5	2.0	60	6.3	4.2	35	80301095	82002633
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	80301097	80300617
80.0	40.5	2.0	60	6.3	4.2	35	80301098	80300618

CTBL ST22



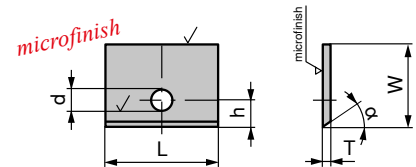
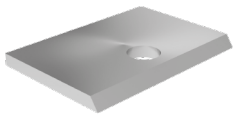
L [mm]	W [mm]	T [mm]	C [mm]	h [mm]	d [mm]	α [°]	β [°]	KCR08	HE40
40.0	20.0	2.0	26	6.3	4.2	35	35	11965983	
40.0	25.0	2.0	26	6.3	4.2	35	35	11965986	80300821
40.0	30.0	2.0	26	6.3	4.2	35	35	11965987	80300822
40.0	35.0	2.0	26	6.3	4.2	35	35	11965992	80300824
40.0	40.0	2.0	26	6.3	4.2	35	35	11965993	80300825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

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
25.0	20.5	2.0	6.5	5.2	80302004
25.0	25.5	2.0	6.5	5.2	80302005
25.0	30.5	2.0	6.5	5.2	80302006
25.0	35.5	2.0	6.5	5.2	80302007
26.0	32.0	2.0	6.5	5.2	11803771
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

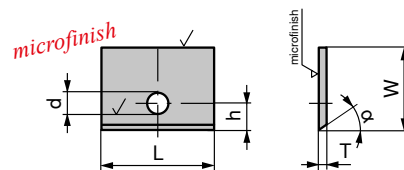
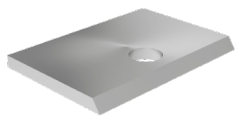
CTBL MP11



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
35.0	20.5	2.0	5.9	5.2	35	80302050

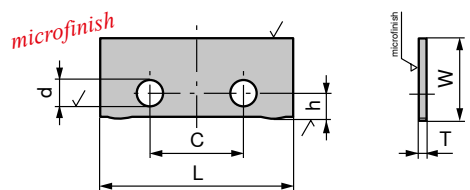
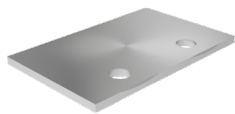


CTBL MP11



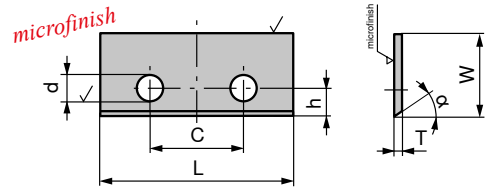
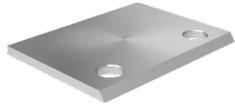
L [mm]	W [mm]	T [mm]	h [mm]	d [mm]	α [°]	KCR08
35.0	25.5	2.0	5.9	5.2	35	80302051
35.0	30.5	2.0	5.9	5.2	35	80302052
35.0	35.5	2.0	5.9	5.2	35	80302053
35.0	40.5	2.0	5.9	5.2	35	80302054

CTBL MP20



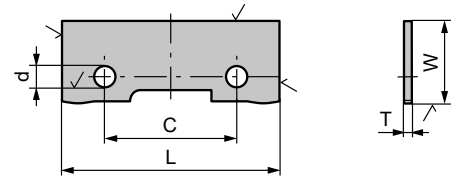
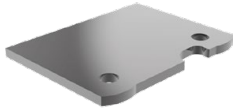
L [mm]	W [mm]	T [mm]	C [mm]	h [mm]	d [mm]	KCR08
30.0	20.5	2.0	14	6.5	5.2	80302012
30.0	25.5	2.0	14	6.5	5.2	80302013
30.0	30.5	2.0	14	6.5	5.2	80302015
30.0	35.5	2.0	14	6.5	5.2	80302017
35.0	25.5	2.0	14	6.5	5.2	80302018
35.0	30.5	2.0	14	6.5	5.2	80302019
35.0	35.5	2.0	14	6.5	5.2	80302020
40.0	20.5	2.0	26	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
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	40.5	2.0	26	6.5	5.2	80302033
60.0	45.5	2.0	26	6.5	5.2	80302034
80.0	25.5	2.0	60	6.5	5.2	80302035
80.0	35.5	2.0	60	6.5	5.2	80302036

CTBL MP21



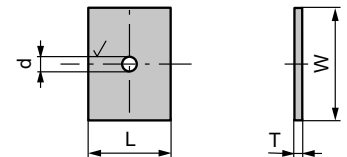
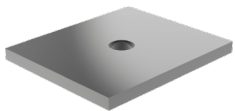
L [mm]	W [mm]	T [mm]	C [mm]	h [mm]	d [mm]	α [°]	KCR08
30.0	20.5	2.0	14	5.9	5.2	35	80302055
30.0	25.5	2.0	14	5.9	5.2	35	80302056
30.0	30.5	2.0	14	5.9	5.2	35	80302057
35.0	25.5	2.0	14	5.9	5.2	35	80302059
35.0	30.5	2.0	14	5.9	5.2	35	80302060
35.0	35.5	2.0	14	5.9	5.2	35	80302061
40.0	20.5	2.0	26	5.9	5.2	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
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



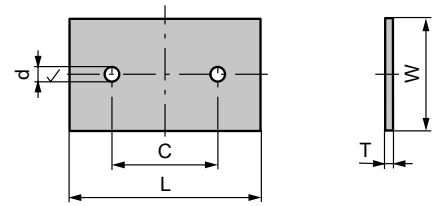
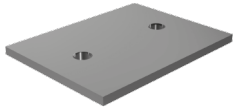
L [mm]	W [mm]	T [mm]	C [mm]	d [mm]	KCR08
30.6	25.5	1.5	20	4.0	82002867
40.4	34.5	2.0	28	4.0	82023341
40.6	28.2	1.5	28	4.0	80301115
40.6	28.2	2.0	28	4.0	80301116
40.6	31.5	1.5	28	4.0	11509584
40.6	31.5	2.0	28	4.0	82025820
40.6	40.6	2.0	28	5.0	82002869
50.7	34.5	1.5	35	4.0	11805260
50.7	34.5	2.0	35	4.0	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



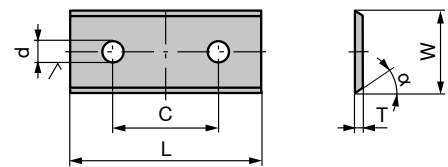
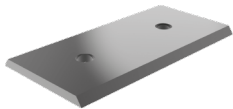
L [mm]	W [mm]	T [mm]	d [mm]	KCR08
12.0	20.4	2.0	4.2	11965758
24.0	22.0	2.0	4.2	80301107
28.0	24.0	2.0	4.2	11965760
32.0	24.0	2.0	4.2	11965765
36.0	28.0	2.0	4.2	80301108
40.0	26.0	2.0	4.2	11965767

CTBL RV20



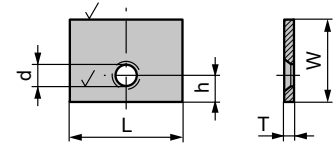
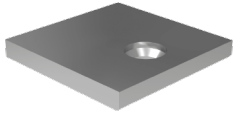
L [mm]	W [mm]	T [mm]	C [mm]	d [mm]	KCR08
40.0	20.4	2.0	26	4.2	11965777
42.0	32.0	2.0	24	4.2	11965770
48.0	36.0	2.0	24	4.2	11965774

CTBL RV22



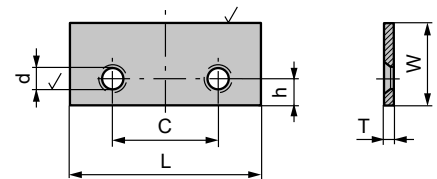
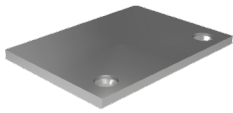
L [mm]	W [mm]	T [mm]	C [mm]	d [mm]	α [°]	KCR08
30.0	25.0	2.0	20	4.2	35	11965780
42.0	32.0	2.0	26	4.2	35	11965812
45.0	35.0	2.0	26	4.2	35	11965821
50.0	16.0	2.0	26	4.2	35	11965834
50.0	20.0	2.0	26	4.2	35	11965835
50.0	25.0	2.0	26	4.2	35	11884976
50.0	40.0	2.0	34	4.2	35	11965838
50.0	45.0	2.0	34	4.2	35	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
20.0	40.5	3.0	7.0	4.5	80301124
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

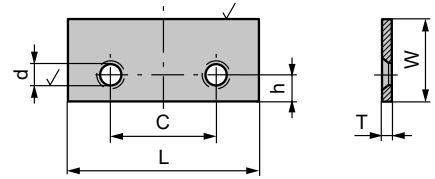
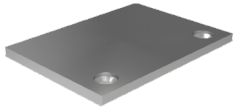
CTBL CH20



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
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

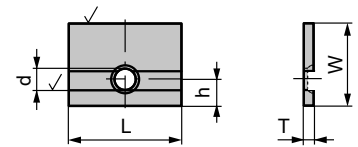
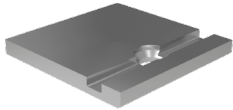


CTBL CH20



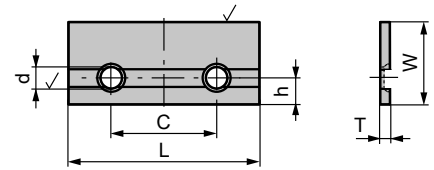
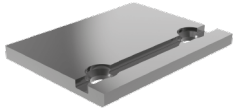
L [mm]	W [mm]	T [mm]	C [mm]	h [mm]	d [mm]	KCR08
55.0	40.5	3.0	41	6.0	4.5	80301146
65.0	20.5	3.0	28	6.0	4.5	80301155
65.0	25.5	3.0	28	6.0	4.5	80301147
65.0	30.5	3.0	28	6.0	4.5	80301148
65.0	35.5	3.0	28	6.0	4.5	80301149
65.0	40.5	3.0	28	6.0	4.5	80301150
80.0	25.5	3.0	66	6.0	4.5	80301151
80.0	30.5	3.0	66	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



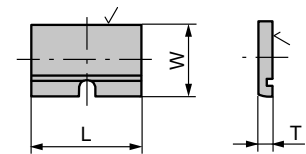
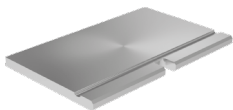
L [mm]	W [mm]	T [mm]	h [mm]	d [mm]	KCR08
20.0	20.5	3.0	7.0	4.5	80301156
20.0	25.5	3.0	7.0	4.5	80301157
20.0	30.5	3.0	7.0	4.5	80301158
20.0	35.5	3.0	7.0	4.5	80301159
20.0	40.5	3.0	7.0	4.5	80301160
25.0	25.5	3.0	7.0	4.5	80301161
25.0	30.5	3.0	7.0	4.5	80301162
25.0	35.5	3.0	7.0	4.5	80301163
25.0	40.5	3.0	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
55.0	30.5	3.0	41	6.0	4.5	80301180
55.0	35.5	3.0	41	6.0	4.5	80301181
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

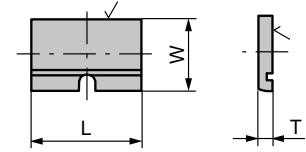
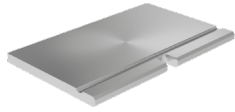
CTBL MC00



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

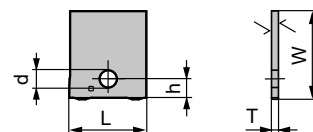
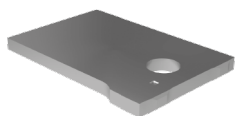


CTBL MC00



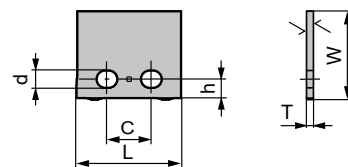
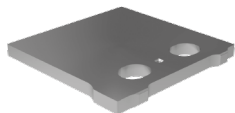
L [mm]	W [mm]	T [mm]	KCR08
25.5	25.5	2.0	80301206
25.5	27.9	2.0	80301207
25.5	30.5	2.0	80301208
25.5	34.5	2.0	80301209
30.5	16.5	2.0	11907020
30.5	22.5	2.0	80301210
30.5	25.5	2.0	80301211
30.5	27.9	2.0	80301212
30.5	30.5	2.0	80301213
30.5	34.5	2.0	80301214
35.5	22.5	2.0	80301215
35.5	25.5	2.0	80301216
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
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

CTBL NN10



L [mm]	W [mm]	T [mm]	h [mm]	d [mm]	KCR08	HE40
12.0	16.6	2.0	6.0	5.0	82001412	
12.5	20.5	2.0	5.9	5.0	82002871	80358200
13.5	16.6	2.0	5.9	5.0	82001411	
15.5	20.5	2.0	5.9	5.0	82002872	
15.5	25.5	2.0	5.9	5.0	82002873	
16.4	20.5	2.0	5.9	5.0	82002874	
16.7	25.9	2.0	5.9	5.0	82002875	
18.4	18.9	2.0	5.9	5.0	82002876	
18.4	25.9	2.0	5.9	5.0	82002877	
18.4	36.3	2.0	5.9	5.0	82002878	
20.3	20.5	2.0	5.9	5.0	82002879	
20.3	25.5	2.0	5.9	5.0	82002880	80358209
20.3	30.4	2.0	5.9	5.0	82002881	80358210
22.3	25.5	2.0	5.9	5.0	82002882	
24.3	20.9	2.0	5.9	5.0	82002883	
24.3	28.4	2.0	5.9	5.0	82002884	
25.3	25.9	2.0	5.9	5.0	82002885	
25.3	35.3	2.0	5.9	5.0	82002886	
28.2	25.5	2.0	5.9	5.0	82002887	
28.2	35.3	2.0	5.9	5.0		80358217

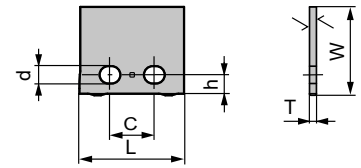
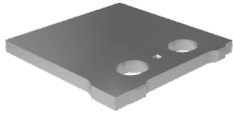
CTBL NN20



L [mm]	W [mm]	T [mm]	h [mm]	d [mm]	C [mm]	KCR08	HE40
30.2	25.5	2.0	5.9	5.0	13.8	82002889	80358235
30.2	30.4	2.0	5.9	5.0	13.8	82002890	80358236
32.2	22.8	2.0	5.9	5.0	13.8	82002891	
32.2	35.4	2.0	5.9	5.0	13.8	82002892	
32.8	47.2	2.0	5.9	5.0	13.0	82002893	
35.2	26.0	2.0	5.9	5.0	13.0	82002894	

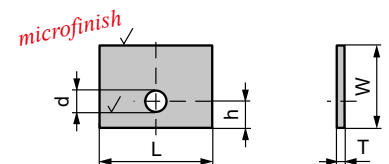
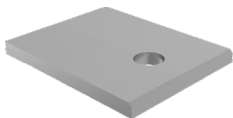


CTBL NN20



L [mm]	W [mm]	T [mm]	h [mm]	d [mm]	C [mm]	KCR08	HE40
40.1	20.9	2.0	5.9	5.0	25.5	82002895	80358241
40.1	30.4	2.0	5.9	5.0	25.5	82002896	80358242
40.8	36.0	2.0	5.9	5.0	25.5	82002897	
42.8	31.0	2.0	5.9	5.0	25.5	82002898	
42.8	36.0	2.0	5.9	5.0	25.5		80358245
45.8	36.0	2.0	5.9	5.0	25.5	82002900	
49.9	20.9	2.0	5.9	5.0	25.5	82002901	
49.9	33.0	2.0	5.9	5.0	25.5	82002902	80358248
49.9	40.2	2.0	5.9	5.0	25.5	82002903	
60.9	25.8	2.0	5.9	5.0	26.0	82002904	80358250
81.0	36.0	2.0	6.0	5.0	44.0	82002968	

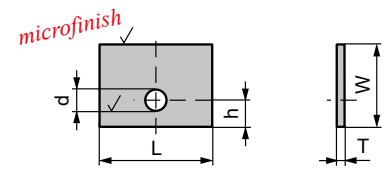
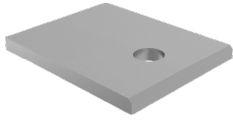
CTBL IT10



L [mm]	W [mm]	T [mm]	h [mm]	d [mm]	KCR08
15.0	15.5	2.0	6.8	4.5	11965039
15.0	20.5	2.0	6.8	4.5	11965050
15.0	25.5	2.0	6.8	4.5	11965053
15.0	30.5	2.0	6.8	4.5	11965055
15.0	35.5	2.0	6.8	4.5	12133222
16.0	20.5	2.0	6.5	4.5	11482195
20.0	20.5	2.0	6.8	4.5	11965058
20.0	25.5	2.0	6.8	4.5	11965072
20.0	30.5	2.0	6.8	4.5	11965117
20.0	35.5	2.0	6.8	4.5	11965119
20.0	40.5	2.0	6.8	4.5	12045374
22.0	20.5	2.0	6.8	4.5	12090982
25.0	25.0	2.0	6.8	4.5	11556261
25.0	20.5	2.0	6.8	4.5	11965122
25.0	25.5	2.0	6.8	4.5	11965123

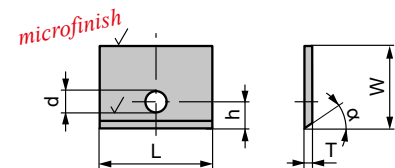
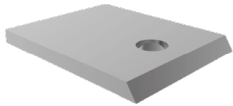


CTBL IT10



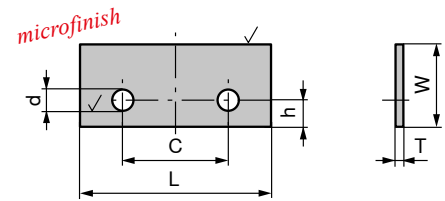
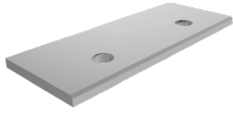
L [mm]	W [mm]	T [mm]	h [mm]	d [mm]	KCR08
25.0	30.5	2.0	6.8	4.5	11965124
25.0	35.5	2.0	6.8	4.5	11965126
25.0	40.5	2.0	6.8	4.5	11965283
30.0	20.5	2.0	6.8	4.5	11965285
30.0	25.5	2.0	6.8	4.5	11965288
30.0	30.5	2.0	6.8	4.5	11965292
30.0	35.5	2.0	6.8	4.5	11827297
30.0	40.5	2.0	6.8	4.5	11965294
35.0	25.5	2.0	6.8	4.5	11965295

CTBL IT11



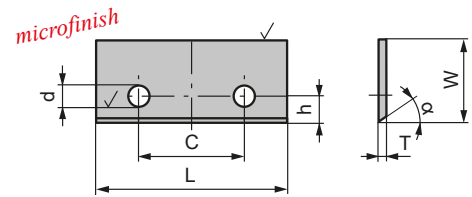
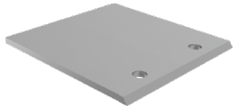
L [mm]	W [mm]	T [mm]	h [mm]	d [mm]	α [°]	KCR08
15.0	20.5	2.0	6.3	4.5	35	11965312
15.0	25.5	2.0	6.3	4.5	35	11965315
20.0	20.5	2.0	6.3	4.5	35	11965337
20.0	25.5	2.0	6.3	4.5	35	11965340
25.0	25.5	2.0	6.3	4.5	35	11965363
25.0	30.5	2.0	6.3	4.5	35	11965365

CTBL IT20



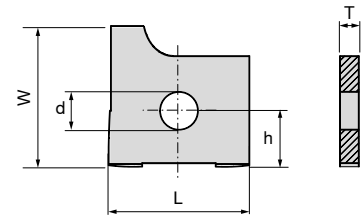
L [mm]	W [mm]	T [mm]	h [mm]	C [mm]	d [mm]	KCR08
30.0	20.5	2.0	6.5	14	4.5	11965436
30.0	25.5	2.0	6.5	14	4.5	11965441
30.0	30.5	2.0	6.5	14	4.5	11965444
30.0	40.5	2.0	6.5	14	4.5	11844700
35.0	25.5	2.0	6.5	14	4.5	11965452
35.0	30.5	2.0	6.5	14	4.5	11965456
35.0	35.5	2.0	6.5	14	4.5	11965458
35.0	40.5	2.0	6.5	14	4.5	11965474
40.0	20.5	2.0	6.5	26	4.5	11965475
40.0	25.5	2.0	6.5	26	4.5	11965480
40.0	30.5	2.0	6.5	26	4.5	11965481
40.0	35.5	2.0	6.5	26	4.5	11965482
40.0	40.5	2.0	6.5	26	4.5	11965493
40.0	45.5	2.0	6.5	26	4.5	12006984
50.0	20.5	2.0	6.5	26	4.5	11965500
50.0	25.5	2.0	6.5	26	4.5	11965502
50.0	30.5	2.0	6.5	26	4.5	11965506
50.0	35.5	2.0	6.5	26	4.5	11965512
50.0	40.5	2.0	6.5	26	4.5	11965514
60.0	20.5	2.0	6.5	26	4.5	11965518
60.0	25.5	2.0	6.5	26	4.5	11965521
60.0	30.5	2.0	6.5	26	4.5	11965522
60.0	35.5	2.0	6.5	26	4.5	11965527
70.0	25.5	2.0	6.5	26	4.5	15061315
70.0	30.5	2.0	6.5	26	4.5	11965535
60.0	40.5	2.0	6.5	26	4.5	11965530
80.0	25.5	2.0	6.5	60	4.5	11965537
80.0	30.5	2.0	6.5	60	4.5	11965541
80.0	50.5	2.0	6.5	60	4.5	11965551

CTBL IT21



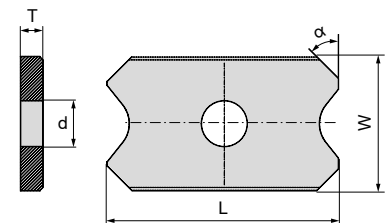
L [mm]	W [mm]	T [mm]	C [mm]	h [mm]	d [mm]	α [°]	KCR08
30.0	35.5	2.0	14	6.3	4.5	35	11965602
35.0	30.5	2.0	18	6.3	4.5	35	11965605
50.0	25.5	2.0	26	6.3	4.5	35	11965659
70.0	35.5	2.0	26	6.3	4.5	35	11965744
100.0	30.5	2.0	60	6.3	4.5	35	11965753

CTBL PF10



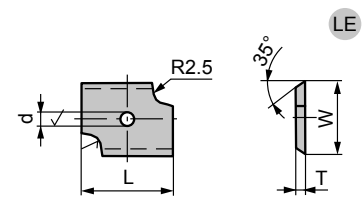
L [mm]	W [mm]	T [mm]	d [mm]	Surface finish	KCR08
15.0	15.0	2.0	4.0	H6.0	11959960

CTBL PF10



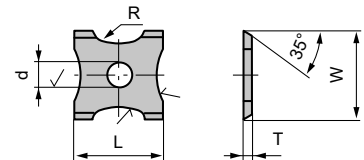
L [mm]	W [mm]	T [mm]	KCR08
20.7	12.0	2.0	80358158

CTBL PF12



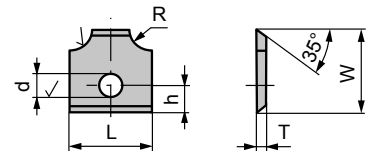
L [mm]	W [mm]	T [mm]	d [mm]	α [°]	Remark	KCR08
20,0	16,0	2,0	3,1	35	LE	11959959
20,0	16,0	2,0	3,1	35	RI	11959961

CTBL PF12



L [mm]	W [mm]	T [mm]	d [mm]	α [°]	Remark	KCR08
13.0	16.0	2.0	4.1	35	R4	80301109
21.0	20.0	2.0	4.075	35	R8	80301110
26.0	24.0	2.0	4.2	35	R12	80301111

CTBL PF12



L [mm]	W [mm]	T [mm]	d [mm]	α [°]	Remark	KCR08
16.0	17.5	2.0	4.4	35	R4.5	80301113

Strips

Our strips are also available in the innovative 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. We have shortened the presentation of the product tables by only indicating the existing size ranges to provide a better overview of the great variety of our strips.

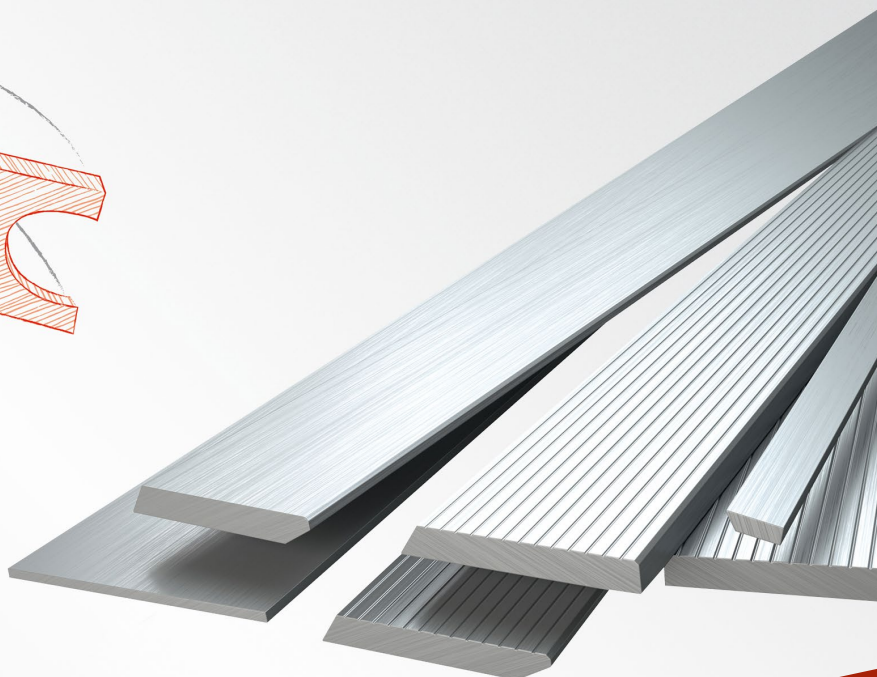
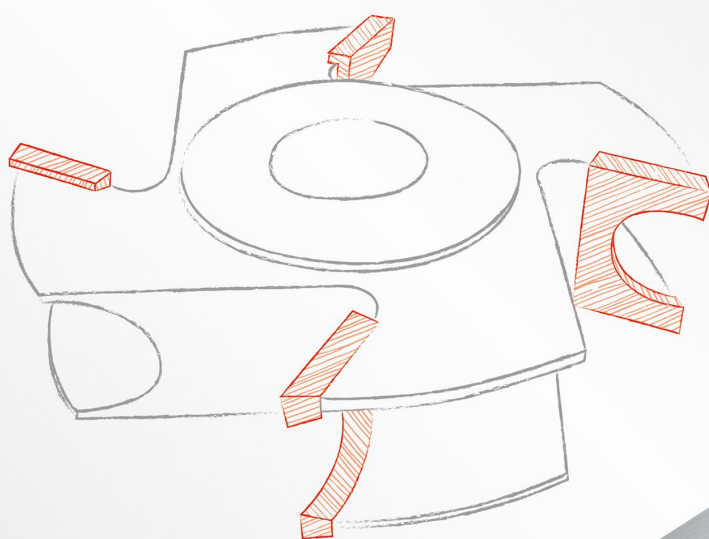


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CERATIZIT designation system

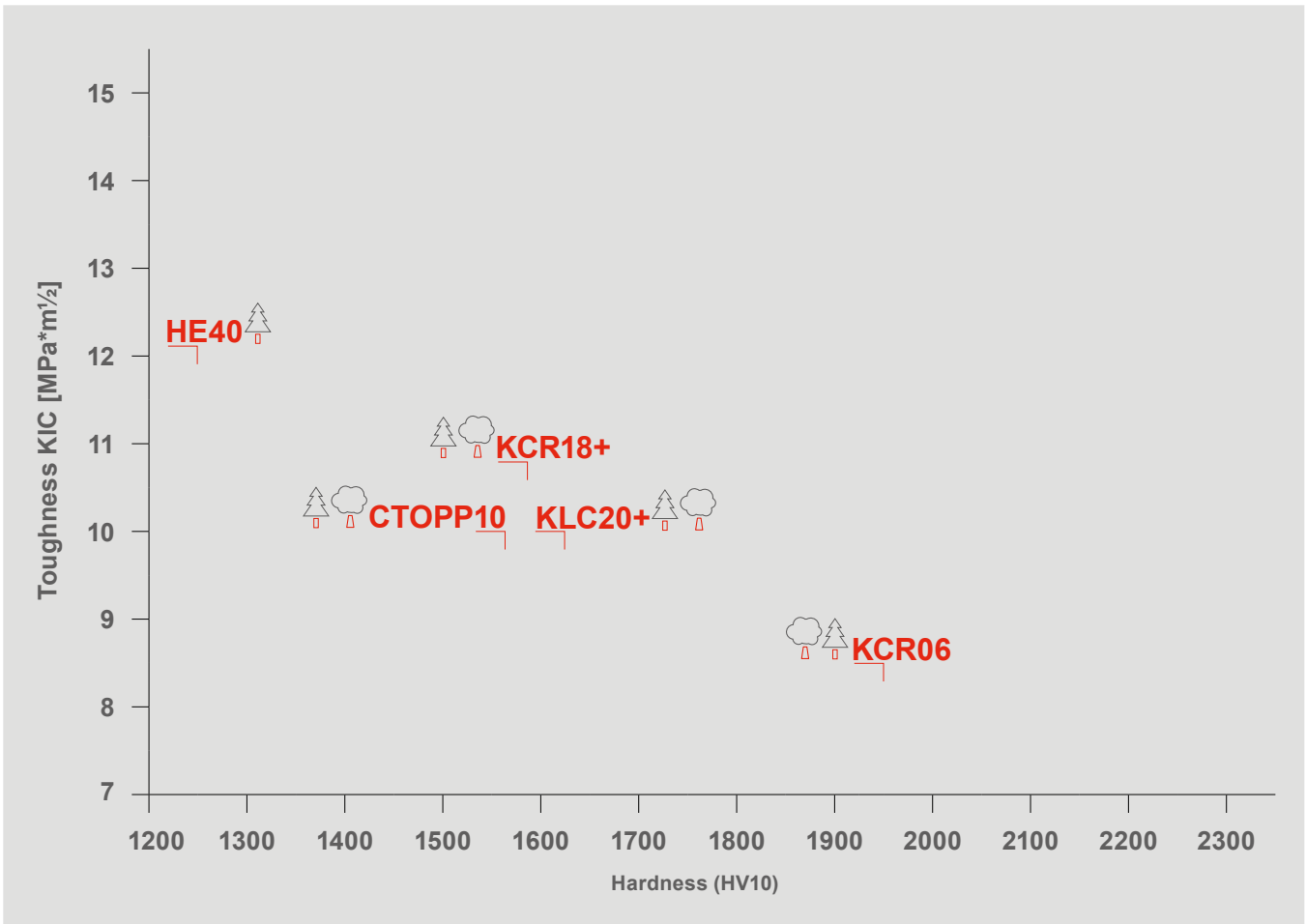
Strips

	Product	Style	Thickness [mm]		Width [mm]		Length [mm]	Grade
Example	CTS	BG02-	5.0	X	14.0	X	400	KCR18+



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 graph and table will guide you in finding the right grade for your application. All articles available in grade CTOPP10 can also be ordered in grade KLC20+.

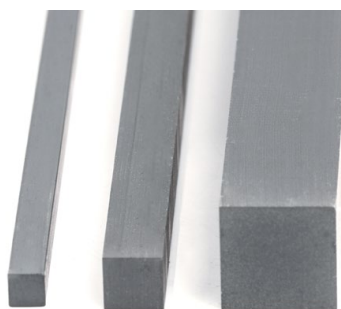


**Softwood**

**Hardwood**

**Chipboard**

**MDF/HDF**



CERATIZIT grade code	Binder [m %]	Grain size	Hardness		Fracture toughness (K _{IC}) [MPa*m ^{1/2}]	Transverse rupture strength [MPa]	Applications
			HV10	HRA			
KCR06	3.0	submicron	1950	93.6	8.5	2300	
KCR18+	9.5	submicron	1590	91.7	10.8	3750	
KLC20+	10.0	submicron	1630	92.0	10.0	3200	
CTOPP10	10.5	submicron	1570	91.6	10.0	3000	
HE40	20.0	ultrafine	1250	88.8	12.1	3500	



Softwood



Hardwood

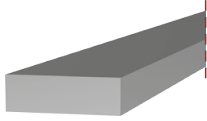
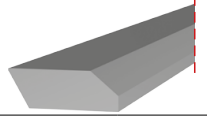
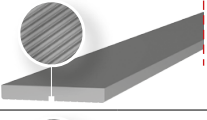
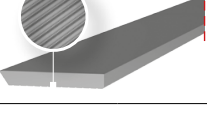
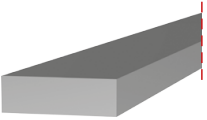


Chipboard



MDF/HDF

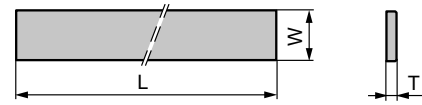
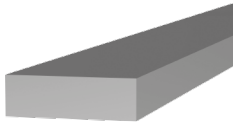
Portfolio – overview

	Type, description	Grade	Pages
Conventional Style			
	CTS 00	KLC20+ CTOPP10	63
	CTS 01 CTS 02	KLC20+ CTOPP10	63
Backside grooves – Enhancing brazing strength			
	CTS BG00	KCR06 KCR18+	64
	CTS BG01 CTS BG02	KCR06 KCR18+	64
STB			
	STB	KCR18+	65

Tolerances

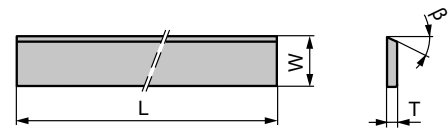
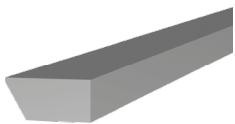
Length [mm]	Tolerances [mm]
400	+0 / +8
Width [mm]	Tolerances [mm]
7 – 29	+0 / +0.5
30 – 40	+0 / +0.8
Thickness [mm]	Tolerances [mm]
2 – 7	+0 / +0.2

CTS 00



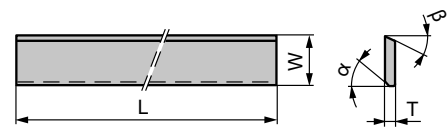
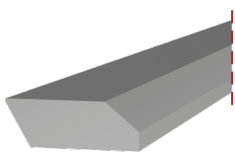
T [mm]	W [mm]	L [mm]	CTOPP10
2	3 – 19	310	•
3	3 – 31	310	•
4	4 – 40	310	•
5	5 – 20	310	•

CTS 01



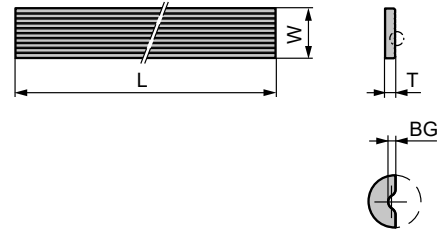
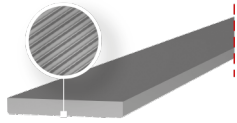
T [mm]	W [mm]	L [mm]	β [°]	CTOPP10
2	3 – 19	310	35	•
3	3 – 31	310	35	•
4	4 – 25	310	35	•
5	5 – 20	310	35	•

CTS 02



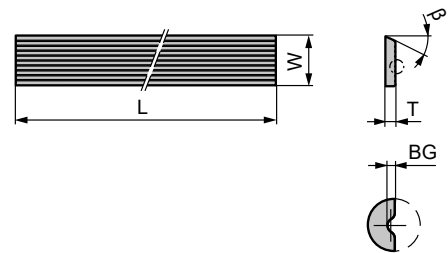
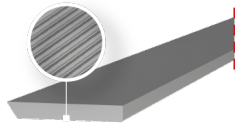
T [mm]	W [mm]	L [mm]	α [°]	β [°]	CTOPP10
2	3 – 19	310	30	35	•
3	3 – 31	310	30	35	•
4	4 – 40	310	30	35	•
5	5 – 20	310	30	35	•

CTS BG00



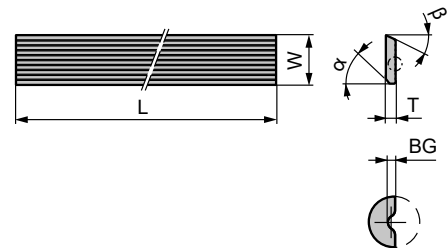
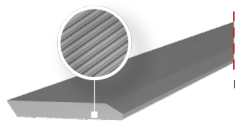
T [mm]	W [mm]	L [mm]	BG – groove depth [mm]	KCR06	KCR18+
2	8 – 30	400	0.15	•	•
3	8 – 35	400	0.15	•	•
4	8 – 40	400	0.15	•	•
5	10 – 40	400	0.15	•	•
6	20 – 40	400	0.15	•	•

CTS BG01



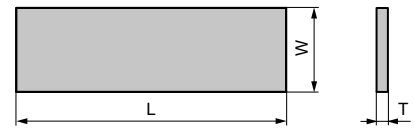
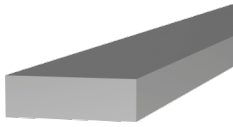
T [mm]	W [mm]	L [mm]	BG – groove depth [mm]	β [°]	KCR06	KCR18+
2	8 – 30	400	0.15	35	•	•
3	8 – 35	400	0.15	35	•	•
4	10 – 40	400	0.15	35	•	•
5	10 – 40	400	0.15	35	•	•
6	20 – 40	400	0.15	35	•	•

CTS BG02



T [mm]	W [mm]	L [mm]	BG – groove depth [mm]	α [°]	β [°]	KCR06	KCR18+
3	10 – 35	400	0.15	30	35	•	•
4	10 – 40	400	0.15	30	35	•	•
5	10 – 40	400	0.15	30	35	•	•
6	20 – 40	400	0.15	30	35	•	•

STB



T [inch]	W [inch]	L [inch]	KCR18+
1/16	1/4 – 1 1/4	6	•
3/32	3/16 – 1 3/4	6	•
1/8	1/4 – 1 1/2	6	•
5/32	3/8 – 2	6	•
3/16	1/4 – 1 1/2	6	•
1/4	3/8 – 1 1/4	6	•



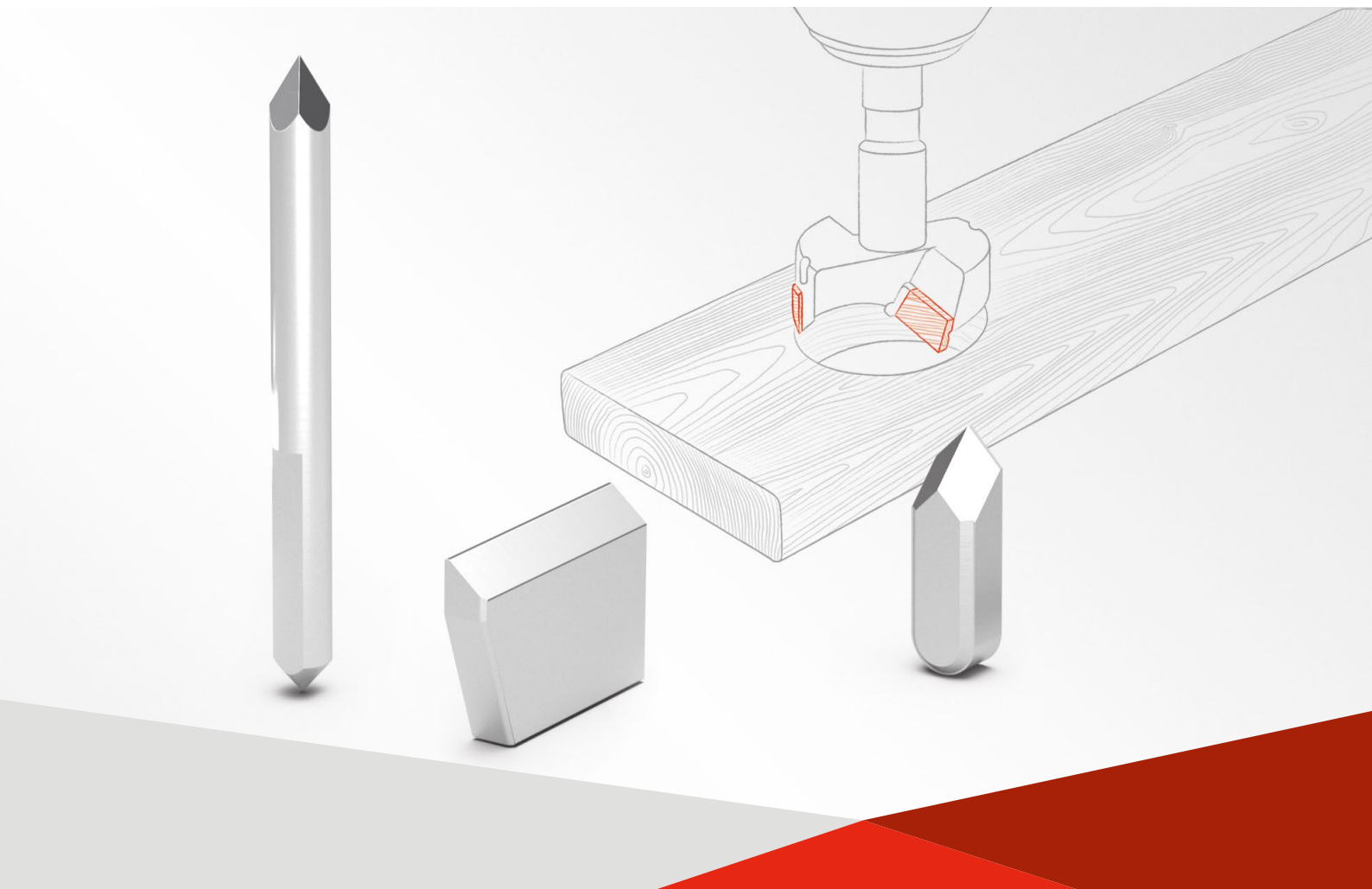
Blanks

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.

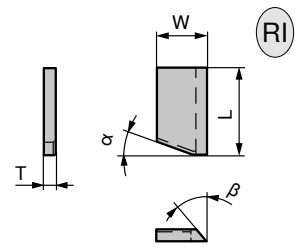
With our new cobalt surface treatment, you can benefit from easier and faster brazing. Blanks for drill tips are available in our market-leading special drilling grades, which are also fully impact- and wear-resistant.



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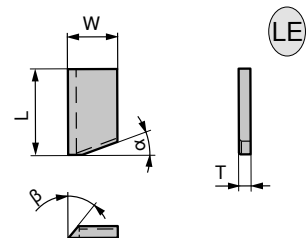


CTDB RI



Ø [mm]	L [mm]	W [mm]	T [mm]	α [°]	β [°]	KCR10
15.0	6.5	10.5	2.5	15	30	12567164
16.0	7.0	10.5	2.5	15	30	12567166
17.0	7.5	10.5	2.5	15	30	12567168
18.0	8.0	10.5	2.5	15	30	12567170
20.0	9.0	10.5	2.5	15	30	12567171
22.0	10.0	10.5	2.5	20	40	12567173
23.0	10.5	10.5	2.5	20	40	12567174
24.0	11.0	10.5	2.5	20	40	12567176
25.0	11.5	10.5	2.5	20	40	12567178
26.0	12.0	10.5	2.5	20	40	12567179
28.0	13.0	10.5	2.5	20	40	12567180
30.0	14.0	10.5	2.5	20	40	12567182
32.0	15.0	10.5	2.5	20	40	12567185
34.0	16.0	10.5	2.5	20	40	12567186
35.0	16.5	10.5	2.5	20	40	12567187
40.0	19.0	10.5	2.5	20	40	12567189
45.0	21.5	10.5	2.5	20	40	12567190
50.0	24.0	10.5	2.5	20	40	12567192
55.0	26.5	10.5	2.5	20	40	12567193
60.0	29.0	10.5	2.5	20	40	12567196

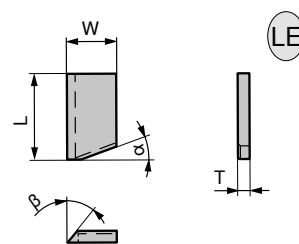
CTDB LE



Ø [mm]	L [mm]	W [mm]	T [mm]	α [°]	β [°]	KCR10
15.0	6.5	10.5	2.5	15	30	12567198
16.0	7.0	10.5	2.5	15	30	12567199
17.0	7.5	10.5	2.5	15	30	12567200
18.0	8.0	10.5	2.5	15	30	12567202
20.0	9.0	10.5	2.5	15	30	12567203
22.0	10.0	10.5	2.5	20	40	12567204

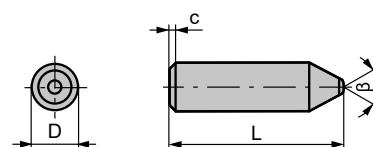


CTDB LE



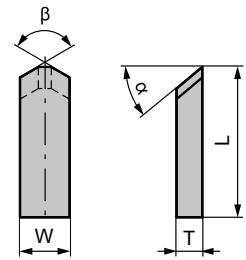
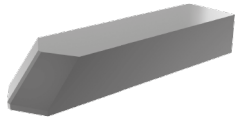
Ø [mm]	L [mm]	W [mm]	T [mm]	α [°]	β [°]	KCR10
23.0	10.5	10.5	2.5	20	40	12567206
24.0	11.0	10.5	2.5	20	40	12567207
25.0	11.5	10.5	2.5	20	40	12567209
26.0	12.0	10.5	2.5	20	40	12567210
28.0	13.0	10.5	2.5	20	40	12567212
30.0	14.0	10.5	2.5	20	40	12567213
32.0	15.0	10.5	2.5	20	40	12567216
34.0	16.0	10.5	2.5	20	40	12567217
35.0	16.5	10.5	2.5	20	40	12567219
45.0	21.5	10.5	2.5	20	40	12567221
50.0	24.0	10.5	2.5	20	40	12567222
55.0	26.5	10.5	2.5	20	40	12567224
60.0	29.0	10.5	2.5	20	40	12567225

CTDB Z



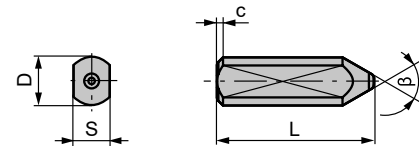
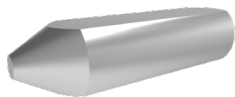
D [mm]	L [mm]	β [°]	c [mm]	Chamfer angle [°]	KCR10	HC35
3.0	11.5	60	0.5	45	12567227	
3.0	11.5	60	0.5	45		12581684
3.0	13.0	60	0.5	45	12567228	
3.0	13.0	60	0.5	45		12581685
3.0	14.5	60	0.5	45		12581687
3.0	14.5	60	0.5	45	12567229	
4.0	13.0	60	0.5	45	12567230	
4.0	13.0	60	0.5	45		12581688
4.0	15.0	60	0.5	45	12567231	
4.0	15.0	60	0.5	45		12581689

CTDB S



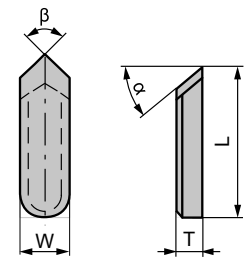
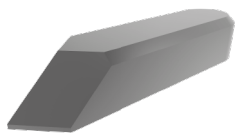
L	W [mm]	T [mm]	α [°]	β [°]	KCR10	HC35
12.0	3.0	2.5	40	120	12567232	
12.0	3.0	2.5	40	120		12581690
13.0	4.0	2.5	40	120	12567233	
13.0	4.0	2.5	40	120		12581691
14.0	5.0	3.0	40	120	12567234	12581692
15.0	4.0	2.5	40	120	12567235	
15.0	4.0	2.5	40	120		12581693
15.0	5.0	2.5	40	120	12567239	
15.0	5.0	2.5	40	120		12582981

CTDB ZF



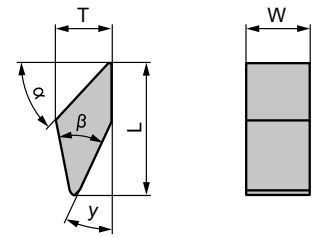
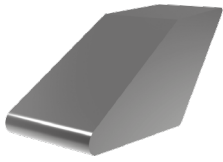
D [mm]	L [mm]	S [mm]	β [°]	c [mm]	Chamfer angle [°]	KCR10
4.0	13.0	3.0	60	0.5	45	12567241

CTDB R



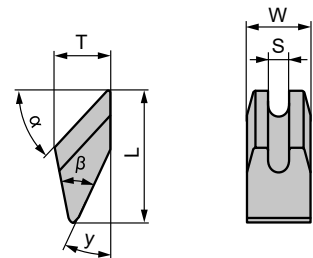
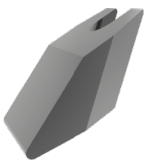
L [mm]	W [mm]	T [mm]	α [°]	β [°]	KCR10
13.0	4.0	3.0	35	90	12567242

CTSO



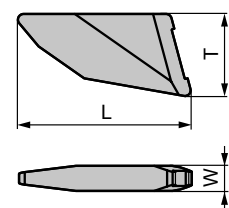
L [mm]	W [mm]	T [mm]	α [°]	β [°]	γ [°]	KCR10
12.8	6.2	5.3	47	25	11	12567243
12.8	8.2	5.3	47	25	11	12567244

CTSM



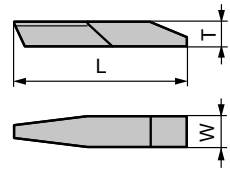
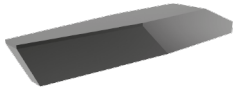
L [mm]	W [mm]	T [mm]	S [mm]	α [°]	β [°]	γ [°]	KCR10
12.8	6.2	5.4	2.0	47	25	25	12567245

16015



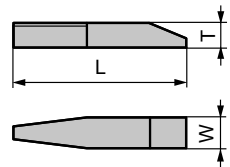
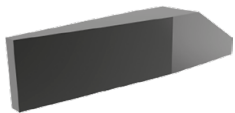
L [mm]	W [mm]	T [mm]	KCR18+
30.3	14.4	4.4	12567247

37800



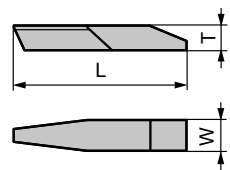
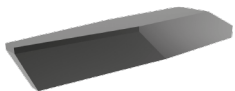
L [mm]	W [mm]	T [mm]	KCR18+
28.0	5.0	4.0	12567250

40330



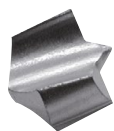
L [mm]	W [mm]	T [mm]	KCR18+
23.5	4.5	5.0	12567251

45757

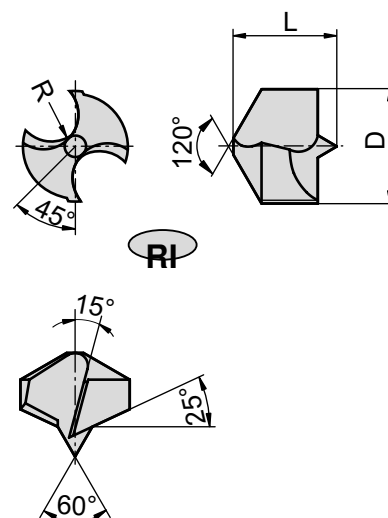


L [mm]	W [mm]	T [mm]	KCR18+
28.2	4.5	4.2	12567252
28.2	5.0	4.0	12567253

CTDD RI



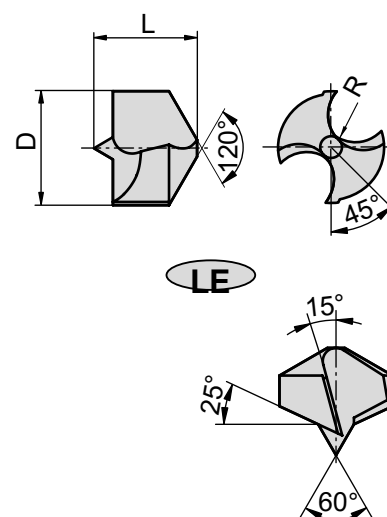
Ø [mm]	D [mm]	L [mm]	R [mm]
4.0	4.6	6.9	1.3
5.0	5.6	7.1	1.8
6.0	6.6	7.1	2.2
6.5	7.1	7.7	2.7
7.0	7.6	7.9	2.7
8.0	8.6	9.1	3.2
9.0	9.6	10.1	3.7
10.0	10.6	11.0	4.2
11.0	11.6	11.9	4.2
12.0	12.6	12.8	4.3
13.0	13.6	13.6	4.5
14.0	14.6	14.4	4.7
15.0	15.6	15.2	5.0
16.0	16.6	16.0	5.2
18.0	18.6	16.2	5.6
19.0	19.6	17.5	6.1
20.0	20.6	19.1	6.7



CTDD LE

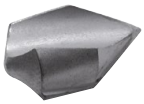


Ø [mm]	D [mm]	L [mm]	R [mm]
4.0	4.6	6.9	1.3
5.0	5.6	7.1	1.8
6.0	6.6	7.1	2.2
6.5	7.1	7.7	2.7
7.0	7.6	7.9	2.7
8.0	8.6	9.1	3.2
9.0	9.6	10.1	3.7
10.0	10.6	11.0	4.2
11.0	11.6	11.9	4.2
12.0	12.6	12.8	4.3
13.0	13.6	13.6	4.5
14.0	14.6	14.4	4.7
15.0	15.6	15.2	5.0
16.0	16.6	16.0	5.2
18.0	18.6	16.2	5.6
19.0	19.6	17.5	6.1
20.0	20.6	19.1	6.7

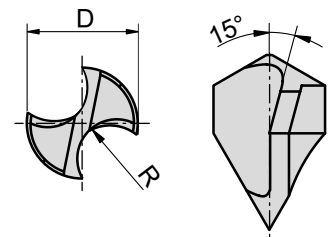
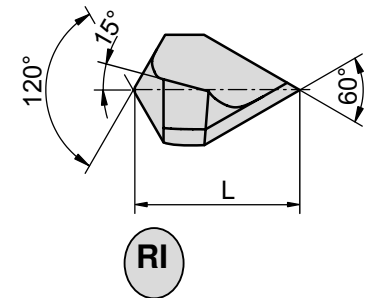


Codification code example: CTDD Ø... LE/RI KCR10

CTDT RI



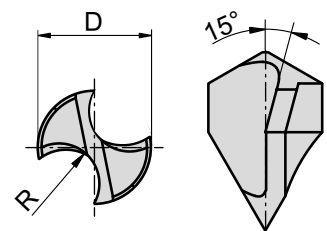
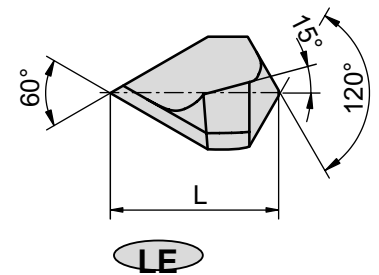
Ø [mm]	D [mm]	L [mm]	R [mm]
4.0	4.5	9.0	1.3
5.0	5.6	10.5	1.8
6.0	6.6	11.5	2.2
6.5	7.1	12.2	2.7
7.0	7.6	13.0	2.7
8.0	8.6	14.5	3.2
9.0	9.6	16.8	3.7
9.5	10.1	17.7	3.7
10.0	10.6	18.7	4.2
11.0	11.6	21.0	4.2
12.0	12.6	22.1	4.3
13.0	13.6	24.3	4.5
14.0	14.6	25.5	4.7
15.0	15.6	26.0	5.0
16.0	16.6	27.0	5.2
18.0	18.6	28.0	5.6
20.0	20.6	33.5	6.7



CTDT LE

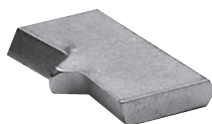


Ø [mm]	D [mm]	L [mm]	R [mm]
4.0	4.5	9.0	1.3
5.0	5.6	10.5	1.8
6.0	6.6	11.5	2.2
6.5	7.1	12.2	2.7
7.0	7.6	13.0	2.7
8.0	8.6	14.5	3.2
9.0	9.6	16.8	3.7
9.5	10.1	17.7	3.7
10.0	10.6	18.7	4.2
11.0	11.6	21.0	4.2
12.0	12.6	22.1	4.3
13.0	13.6	24.3	4.5
14.0	14.6	25.5	4.7
15.0	15.6	26.0	5.0
16.0	16.6	27.0	5.2
18.0	18.6	28.0	5.6
20.0	20.6	33.5	6.7



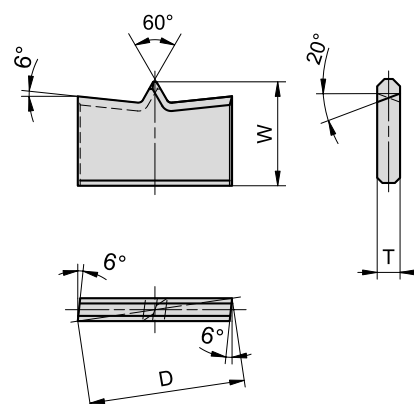
Codification code example: CTDD Ø... LE/RI KCR10

CTDP

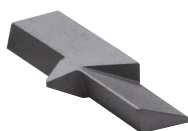


Hole Ø [mm]	D [mm]	W [mm]	T [mm]
5	5.20	4.5	1.2
6	6.20	5.0	1.2
8	8.25	6.0	1.5
10	10.25	7.0	1.8
12	12.30	8.0	2.0
14	14.30	9.0	2.2
15	15.30	10.0	2.2
16	16.30	10.0	2.5

Codification code example: CTDP Ø...CTS18D

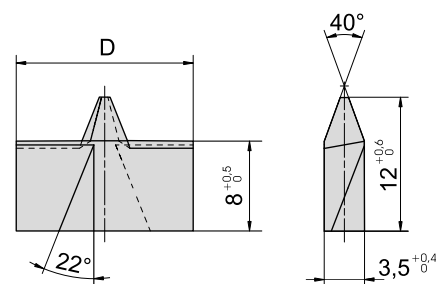


CTDT



Hole Ø [mm]	D [mm]
15	16
20	21
25	26
30	31
35	36
40	41
50	51
60	61

Codification code example: CTDP Ø...CTS18D





Rods

We offer a wide range of solid carbide rods for the manufacturing of milling cutters and drills for wood working. 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 you are 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. We have shortened the presentation of the product tables by only indicating the standard size ranges to provide a better overview of the great variety of our rods.

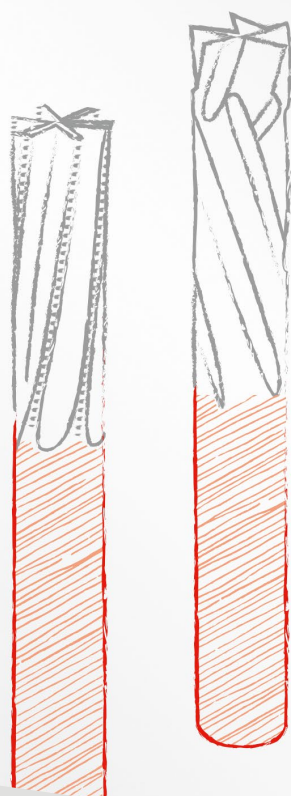


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CERATIZIT designation system

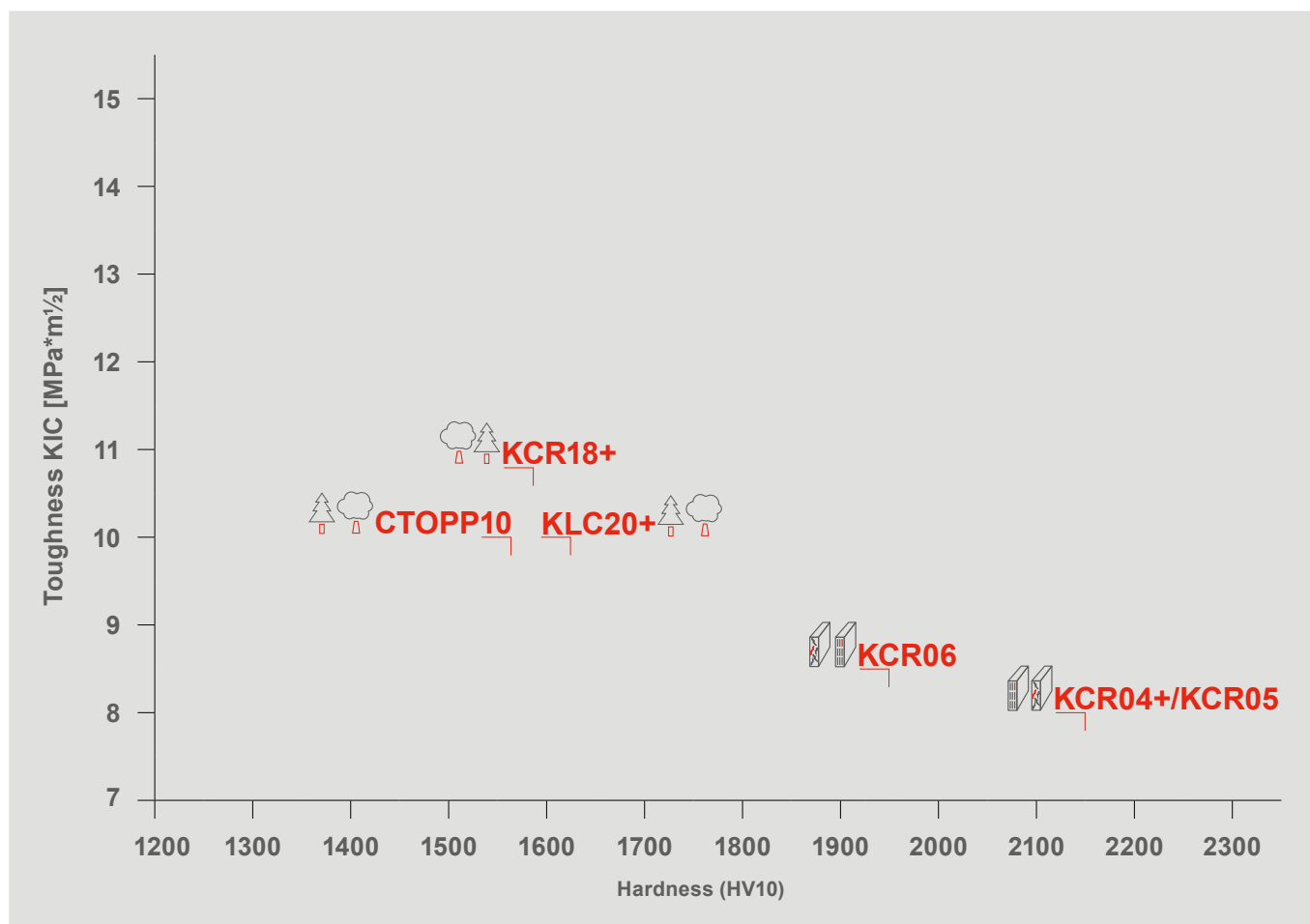
Rods

	Product	Style	Diameter [mm]	Length [mm]	Grade
Example	CTRG	W01	3.0	50.0	KCR06

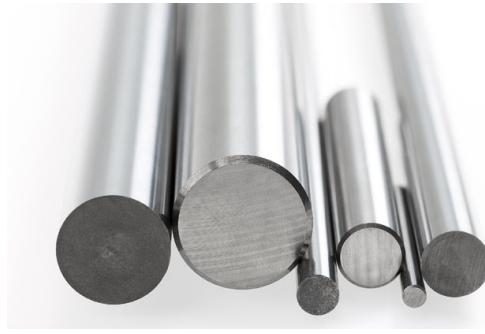


Grade recommendation

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 graph and table will guide you in finding the right grade for your application. Our KCR04+ grade is available upon request. All articles available in grade CTOPP10 can also be ordered in grade KLC20+.



	Softwood		Hardwood
	Chipboard		MDF/HDF



CERATIZIT grade code	Binder [m %]	Grain size	Hardness		Fracture toughness (K _{IC}) [MPa*m ^{1/2}]	Transverse rupture strength [MPa]	Applications
			HV10	HRA			
KCR04+	2.7	ultrafine	2150	94.5	8.0	3400	
KCR05+	3.0	ultrafine	2160	94.5	7.8	2900	
KCR06	3.0	submicron	1950	93.6	8.5	2600	
KCR18+	9.5	submicron	1590	91.7	10.8	3750	
KLC20+	10.0	submicron	1630	92.0	10.0	3200	
CTOPP10	10.0	submicron	1570	91.6	10.0	3000	



Softwood



Hardwood

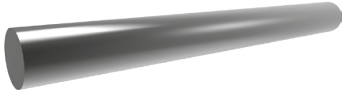
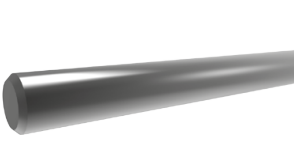


Chipboard

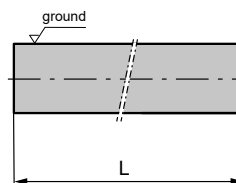
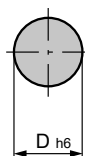
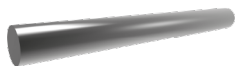


MDF/HDF

Portfolio – overview

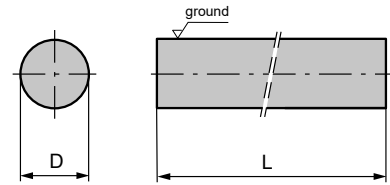
Type, description		Grade	Pages
 Standard length without chamfer	CTRG W00	KCR04+ KCR05+ KCR06 KCR18+ KLC20+ CTOPP10	68+69
 Cut-to-length with one chamfer	CTRG W01	KCR04+ KCR05+ KCR06 KCR18+ KLC20+ CTOPP10	69–73

CTRG W00 – ground rods h6 [mm]



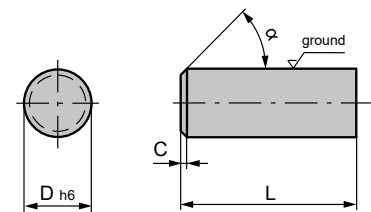
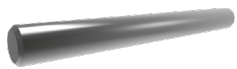
D [mm]	L [mm]	KCR05+	KCR06	KCR18+	KLC20+	CTOPP10
2.0	330		11331962			12570360
2.5	330		11331963			
2.7	330		12272129			
3.0	330	11908004	11332639			11723520
4.0	330	11908005	11332640	12549614		11723525
5.0	330	11908007	11332641			11723527
5.5	330	11908008	11332642			11723528
6.0	330	11908009	11332643	12549627	14855700	11723529
7.0	330	11908010	11332645			11723531
8.0	330	11908012	11332648	12620528	14855701	11723533
8.5	330		12328929			11723534
9.0	330	11908014	11332654			11723535
10.0	330	11908015	11332655	12549641	14855702	11723486
10.5	330		11332657			11723487
11.0	330					11723488
11.5	330					11723489
12.0	330	11908016	11332659	12549677	14855703	11723490
13.0	330	11908017	11332662			11723491
14.0	330	11908018	6263454	12549680		11723493
15.0	330					11723495
16.0	330	11908019	11282333	12620530		11723497
17.0	330					11723499
16.0	330					
18.0	330	11908020	11332673	12549685		11723501
19.0	330					11723503
20.0	330	11908021	11332676	12549688		11723505
21.0	330					11723507
22.0	330					11723509
23.0	330					11723511
24.0	330					11723513
25.0	330	11908023	12307069			11723514
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 – ground rods h6 [inch]



D [inch]	L [inch]	KCR05+	KCR06	CTOPP10
0.250	13		11331932	12007409
0.313	13		11331937	
0.375	13	12272927	11331943	12292403
0.500	13	12272926	11331944	12292404
0.625	13		11331953	
0.750	13		11331958	

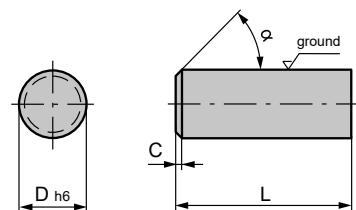
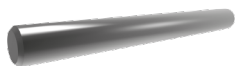
CTRG W01 – ground rods h6 [mm]



D [mm]	L [mm]	C [mm]	α [°]	KCR05+	KCR06	CTOPP10
2.0	50.0	0.2	45		11330766	
3.0	40.0	0.3	45		11330781	11723538
3.0	42.0	0.3	45			12541742
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	12541747
3.5	41.0	0.4	45		11870650	
4.0	25.0	0.4	45			12570746
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	46.0	0.4	45	12427225		
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	70.0	0.4	45			11981215
5.0	80.0	0.4	45			11864338
6.0	25.0	0.4	45		11330930	

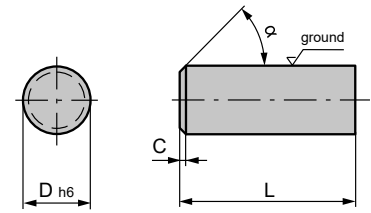


CTRG W01 – ground rods h6 [mm]



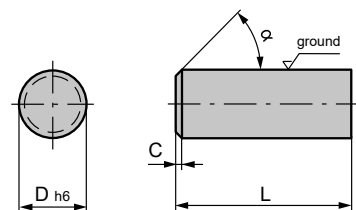
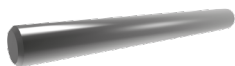
D [mm]	L [mm]	C [mm]	α [°]	KCR05+	KCR06	CTOPP10
6.0	35.0	0.4	45		11330944	
6.0	40.0	0.4	45		11330945	
6.0	45.0	0.4	45		11390142	11983583
6.0	50.0	0.4	45		11330950	11723585
6.0	55.0	0.4	45		11435514	11981216
6.0	60.0	0.4	45	12026157	11330956	11723586
6.0	64.0	0.4	45			12012661
6.0	70.0	0.4	45	11896071	11330961	11723587
6.0	75.0	0.4	45	12360714		
6.0	80.0	0.4	45			11723589
7.0	55.0	0.5	45		11435516	
8.0	34.0	0.6	45			12063177
8.0	42.5	0.6	45			11981407
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	12280145	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	12254663	11331157	11723541
8.0	85.0	0.6	45		11960187	
8.0	100.0	0.6	45	11904184	11568109	11886616
8.0	110.0	0.6	45			12156101
8.0	120.5	0.6	45			12445310
10.0	55.0	0.6	45		11331160	11723546
10.0	60.0	0.6	45			11896585
10.0	61.0	0.6	45			11723547
10.0	65.0	0.6	45		11331162	11723548
10.0	70.0	0.6	45	12280147	11331170	11723549
10.0	75.0	0.6	45		11331174	11723550
10.0	80.0	0.6	45	11714302	11331177	11723551
10.0	85.0	0.6	45		12564390	
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
10.0	120.0	0.6	45		11331194	
10.0	136.0	0.6	45			12315951
11.0	80.0	0.6	45		11331202	11723553
11.0	90.0	0.6	45		11331263	
12.0	60.0	0.6	45	12360731		

CTRG W01 – ground rods h6 [mm]



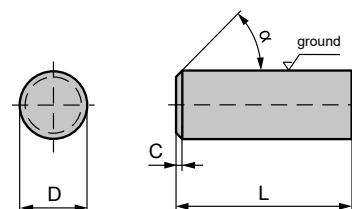
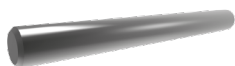
D [mm]	L [mm]	C [mm]	α [°]	KCR05+	KCR06	CTOPP10
12.0	70.0	0.6	45			11981408
12.0	71.0	0.6	45		11331279	11723557
12.0	75.0	0.6	45		11207393	11990136
12.0	80.0	0.6	45	11965766	11331281	11723558
12.0	85.0	0.8	45			11990137
12.0	90.0	0.6	45	11968560	11331283	11723559
12.0	100.0	0.6	45		11331284	11723555
12.0	110.0	0.6	45		11915359	12017962
12.0	117.0	0.6	45			12445309
12.0	120.0	0.6	45		11331298	11723556
12.0	130.0	0.6	45		11851592	12017634
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	12083998	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	12382271	11331351	11723569
18.0	110.0	0.6	45		11331352	11723570
18.0	120.0	0.6	45		11331363	11723571
18.0	170.0	0.6	45		6263456	
20.0	100.0	1.0	45	12587176	11331364	11723573
20.0	110.0	1.0	45		11331366	11723574
20.0	115.0	1.0	45			11898849
20.0	120.0	1.0	45	11906999	11331368	11723575
20.0	130.0	1.0	45		11351539	11723576
20.0	135.0	1.0	45		11379827	11898850
20.0	140.0	1.0	45		11351549	11723577
20.0	145.0	1.0	45			12038767
20.0	150.0	1.0	45		11713422	11723578
20.0	170.0	1.0	45		11563088	
20.0	180.0	1.0	45			12123908

CTRG W01 – ground rods h6 [mm]



D [mm]	L [mm]	C [mm]	α [°]	KCR05+	KCR06	CTOPP10
20.0	190.0	1.0	45			14506984
20.0	230.0	1.0	45			14506985
25.0	100.0	1.2	45			12062165
25.0	170.0	1.2	45			12126192
25.0	175.0	1.2	45		11520274	
25.0	190.0	1.2	45			14506986
25.0	200.0	1.2	45			11842880
25.0	230.0	1.2	45			14506988
25.0	250.0	1.2	45			14506990
30.0	190.0	1.3	45			12126186
30.0	250.0	1.3	45			12126189
30.0	290.0	1.3	45			14506991

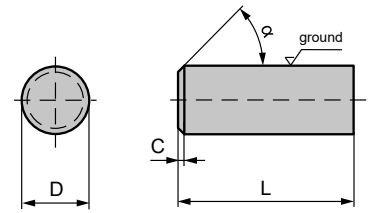
CTRG W01 – ground rods h6 [inch]



D [inch]	L [inch]	C [inch]	α [°]	KCR05+	KCR06	KCR18+	CTOPP10
0.188	2.500	0.025	45		11900086		
0.250	2.000	0.025	45		11331709		11774107
0.250	2.500	0.025	45	11714291	11248640		11774108
0.250	3.000	0.025	45		11331711		11774109
0.250	3.500	0.025	45		11331713		
0.250	4.000	0.025	45		11331715		
0.313	2.500	0.025	45		11331724		
0.313	3.000	0.025	45		11331726		
0.313	6.000	0.025	45		12009297		
0.375	2.500	0.025	45		11248641		
0.375	3.000	0.025	45	11714296	11248643		
0.375	3.000	0.025	45			12407126	
0.375	3.250	0.025	45		11811276		
0.375	3.500	0.025	45		11331727		



CTRG W01 – ground rods h6 [inch]

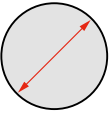


D [inch]	L [inch]	C [inch]	α [°]	KCR05+	KCR06	KCR18+	CTOPP10
0.375	4.000	0.025	45		11811271		
0.438	4.500	0.030	45		12009299		
0.500	3.000	0.030	45	11926731	11248631		11774096
0.500	3.500	0.030	45	11714279	11248633		11774098
0.500	4.000	0.030	45	11926732	11248634		11774092
0.500	4.063	0.030	45		11352903		
0.500	4.500	0.030	45		11325374		
0.500	5.000	0.030	45		11331728		
0.500	5.500	0.030	45		11331733		
0.563	4.000	0.030	45		11600244		
0.625	4.000	0.030	45		11331734		
0.625	4.500	0.030	45		11379834		
0.625	6.500	0.030	45		12009298		
0.750	4.000	0.040	45		11325376		
0.750	4.750	0.040	45		11331921		
0.750	5.000	0.040	45		11268699		

Specifications

CTRG W00

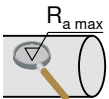
Outside diameter

Ground	Outside diameter [mm]	Tolerance h6 [mm]
	1,0 – 3,0	+0/-0,006
	3,1 – 6,0	+0/-0,008
	6,1 – 10,0	+0/-0,009
	10,1 – 18,0	+0/-0,011
	18,1 – 30,0	+0/-0,013
	30,1 – 40,0	+0/-0,016

Length

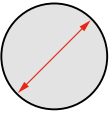
Ground	Tolerance [mm]
	+ 5

Surface finish

Executions	Ra _{max} [μm]
	0,4

CTRG W01

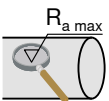
Outside diameter

Ground	Outside diameter [mm]	Tolerance h6 [mm]
	1,0 – 3,0	+0/-0,006
	3,1 – 6,0	+0/-0,008
	6,1 – 10,0	+0/-0,009
	10,1 – 18,0	+0/-0,011
	18,1 – 30,0	+0/-0,013
	30,1 – 40,0	+0/-0,016

Length

Ground	Designation	Total length tolerance [mm]
	CTRG	+ 1%

Surface finish

Executions	Ra _{max} [μm]
	0,4

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