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24REV1

## Woodworking Applications



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## ABOUT CYC



ISO9001:2015

CY CARBIDE MFG.CO.LTD., established in 2003, is a professional manufacturer and exporter of high performance tungsten carbide products and CERMET inserts materials. CYC delivers globally high performance standard and non-standard products, which meet the most challenging demands from various applications including metalworking, mining, construction, oil & gas, die & mold, and woodworking.

CYC production sites are located in Kunshan, 50 km away from Shanghai, Changshu and Jiangxi, raw material production factory, consisting of production, laboratories and R&D facilities. There are over 40,000 square meters production areas. We have 800+ skilled staff, including tooling and grade design engineers.

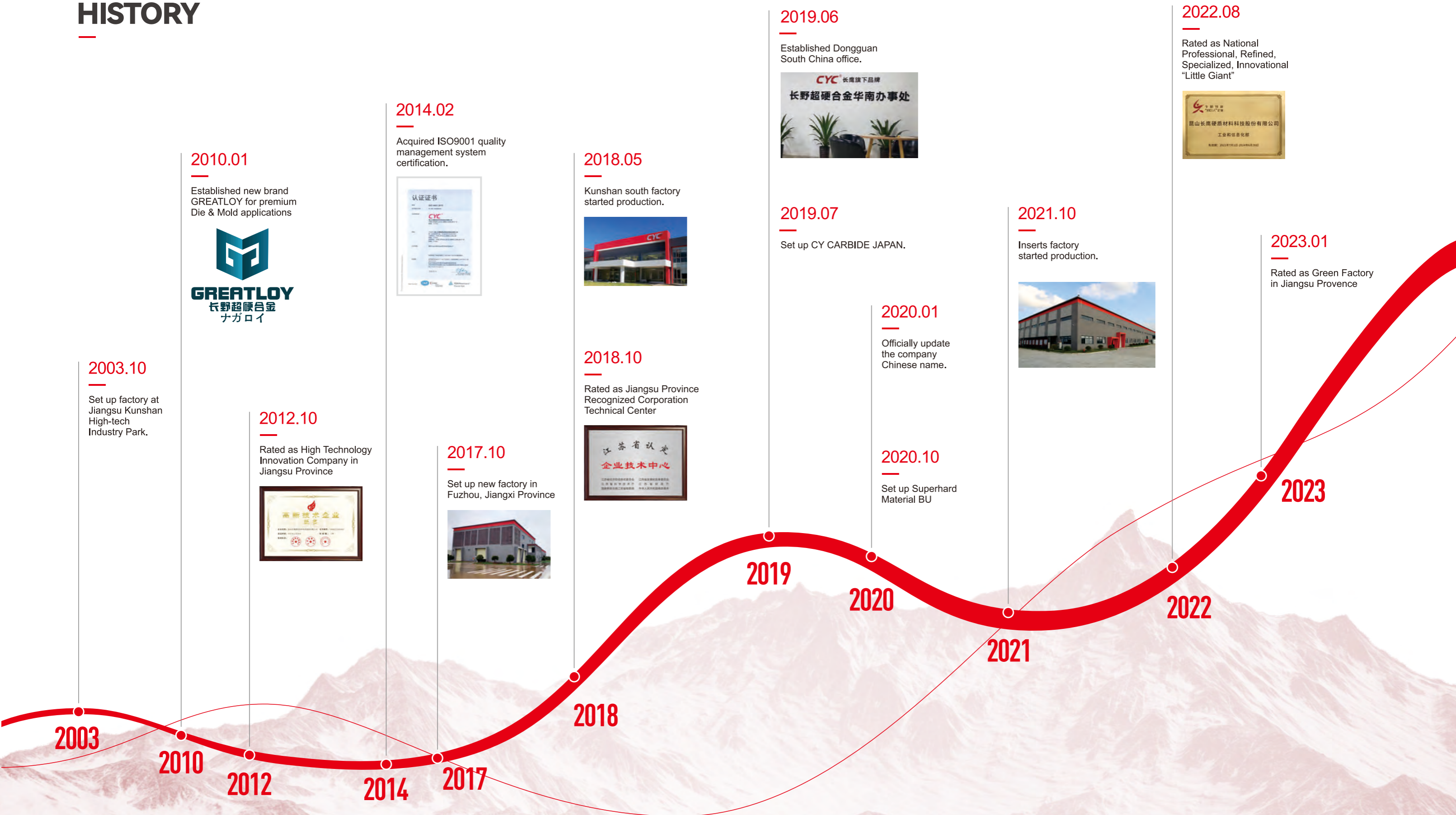
CYC is an ISO 9001:2015(TUV) certified company. High

standard and strict requirement is our core value for quality. Consistent quality of products are guaranteed by a complete quality management system, strict control of raw material supply chain and 100% traceability in the entire production process.

CYC adheres to responsible and sustainable business practices, including conflict free raw materials sourcing, proactive health management to our employees, and concern about environment and energy sustainable development. Our open and transparent business philosophy allows our customers, employees, and external suppliers, to have confidence in our business, ways of working and our products.



# ENTERPRISE HISTORY



**2003.10**

Set up factory at Jiangsu Kunshan High-tech Industry Park.

**2010.01**

Established new brand GREATLOY for premium Die & Mold applications



**2012.10**

Rated as High Technology Innovation Company in Jiangsu Province



**2014.02**

Acquired ISO9001 quality management system certification.



**2017.10**

Set up new factory in Fuzhou, Jiangxi Province



**2018.05**

Kunshan south factory started production.



**2018.10**

Rated as Jiangsu Province Recognized Corporation Technical Center



**2019.06**

Established Dongguan South China office.



**2019.07**

Set up CY CARBIDE JAPAN.

**2020.01**

Officially update the company Chinese name.

**2020.10**

Set up Superhard Material BU

**2021.10**

Inserts factory started production.



**2022.08**

Rated as National Professional, Refined, Specialized, Innovative "Little Giant"



**2023.01**

Rated as Green Factory in Jiangsu Province



# MANUFACTURING PROCESS

## 01 Grade Design



CYC grades are designed upon requests and applications. Our process starts with powder mixing. Raw materials includes WC, Co and other elements.

## 02 RTP Ball milling



Over 100 CYC designed grades from superfine to coarse grain size are available. Grades with different grain sizes are ball-milled, sieved, granulated in separated systems to avoid grain contamination.

## 03 Spray Drying



Spray drying process makes the powder into superior homogeneous particle sizes with good flowability and as a result, the dimension variation on sintered blank is much smaller.

## 04 Direct Pressing



Most of the woodworking products can be formed by direct pressing. CYC technical control of direct pressing system ensures consistency of dimension.

## 05 Sintering



Green blanks are sintered at temperature around 1400 °C (cobalt melting) to become super hard and tough. CYC utilizes HIP (hot-isostatic pressure) sintering furnace which gives carbide maximum toughness to meet the most critical working applications.

## 06 Surface treatment



The surface treatments for different woodworking products including sand blasting, tumbling, cobalt coating, pretinned and other service can be offered to guarantee good brazing performance.

## 07 Inspection



The Key properties are monitored from raw material, RTP and raw sintered parts in our laboratory for quality and performance guarantee. Strict dimensional measurements by automatic equipment will be done before the parts are shipped to the customer.



# OUR CAPABILITIES

Over 20 years of experience in R&D and manufacturing carbide, CYC has built a dedicated team consisting of global experts in technical and commercial areas who always stands behind our customers.



Carbide consistent quality has to be the top priority.



## CONSISTENCY

Our manufacturing process is operating fully in compliance with ISO9001:2015 (TUV). Consistency and traceability is the promise we keep to our customers.



Meeting and exceeding customer's expectations is our mission. Our professional and multiple production capabilities delivers more added value services to customers.

1. Grade design for specific applications
2. Geometry design for specific jobs
3. Issuing of 2D/3D drawings
4. Diversified surface treatment services



### Woodworking Applications Grade Chart

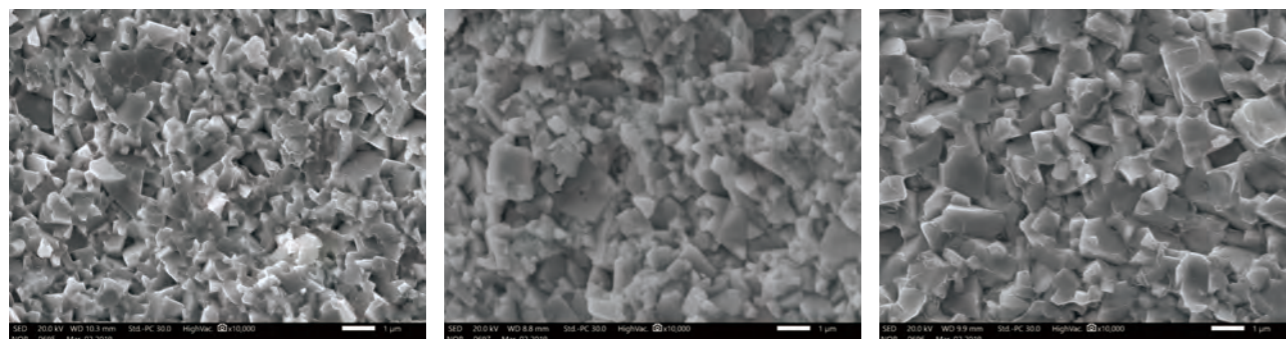
Grade	Binder %	Grain Size	Density	Hardness		T.R.S	KIC	USA Code	ISO Code
			g/cm <sup>3</sup>	HRA	HV10	N/mm <sup>2</sup>	Mpa·m <sup>1/2</sup>		
UK4	3.0	Ultrafine	15.15	94.2	2090	3000	6.8	C4	K01
UH5	3.0	Ultrafine	15.15	94.3	2120	2600	6.9	C4	K01
MH3	3.3	Ultrafine	15.1	94.6	2175	2400	6.9	C4	K01
MH4	3.3	Sub-micron	15.2	94.6	2175	2400	6.6	C4	K05
MH6	5.0	Sub-micron	14.95	93.6	1950	2800	8.5	C3	K10
MH10F	10.0	Sub-micron	14.45	91.8	1600	3800	11	C2	K30
CF05-CR	4.5	Fine	14.95	93.0	1820	3000	9.9	C4	K05
CF10X	6.0	Fine	14.9	92.0	1630	3000	9.3	C3	K10
CF10A	6.0	Fine	14.9	92.7	1760	3000	9.5	C3	K10
CF10R	6.5	Fine	14.8	92.0	1630	2200	12.6	C3	K10
CF20A	8.0	Fine	14.65	91.9	1620	3200	10.5	C3	K20
CF30	10.0	Fine	14.45	91.2	1520	3300	11.8	C1	K30
CK10	6.0	Mediumfine	14.9	91.3	1530	2100	11.8	C3	K10
CK15	7.0	Mediumfine	14.8	91.0	1490	2300	12.4	C2	K20
CK20	8.0	Mediumfine	14.7	90.2	1390	2500	14	C2	K20
CK30	9.0	Mediumfine	14.6	89.8	1340	2600	14.3	C1	K30
CK40	12.0	Mediumfine	14.3	88.8	1340	2800	18.6	C1	K40
CK301	7.8	Medium	14.8	89.0	1270	2250	19.9	C1	K30
CK401	11.5	Medium	14.3	87.6	1130	2700	21.1	C1	K40
CT30	10.0	Coarse	14.45	87.8	1150	2800	19	C1	K30

### Metal Sawing Application Grade Chart

Grade	Binder %	Grain Size	Density	Hardness		T.R.S	KIC	USA Code	ISO Code
			g/cm <sup>3</sup>	HRA	HV10	N/mm <sup>2</sup>	Mpa·m <sup>1/2</sup>		
MH4	3.3	Sub-micron	15.2	94.6	2175	2400	6.6	C4	K05
MH6	5.0	Sub-micron	14.95	93.6	1950	2800	8.5	C3	K10
CF10	6.0	Fine	14.9	92.0	1630	3000	9.3	C3	K10
CF20	8.0	Fine	14.7	91.0	1490	3000	12.2	C3	K20
CX30	12.0	Mediumfine	11.9	91.6	1580	2500	12.4		P30
CP35	12	Mediumfine	11.5	90.5	1430	2400	13.4		P30

### Cermet Grade Chart

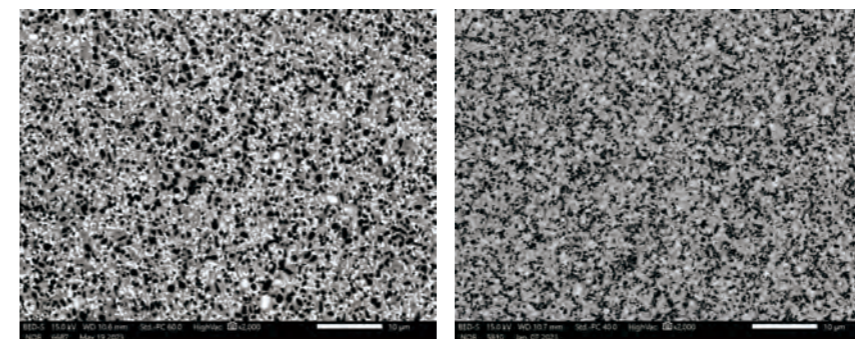
Grade	Binder %	Grain Size	Density	Hardness		T.R.S	KIC	USA Code	ISO Code
			g/cm <sup>3</sup>	HRA	HV10	N/mm <sup>2</sup>	Mpa·m <sup>1/2</sup>		
CMT55	15.0	Fine	6.8	92.2	1660	2250	/		
CMT80A	17.5	Fine	7.2	91.5	1550	2100	/		



UK4

MH3

CF05-CR



CMT55

CMT80A

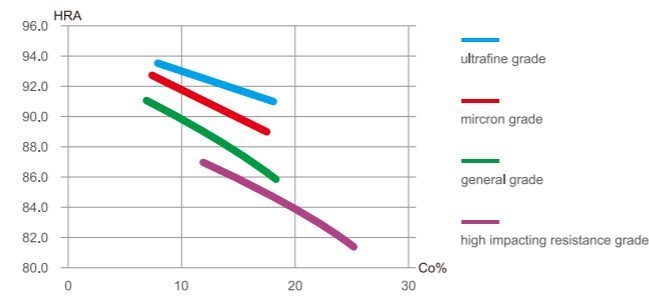
• All the grade parameters are typical value, please refer to our standard grade datasheet for more details.

• All the grade parameters are typical value, please refer to our standard grade datasheet for more details.



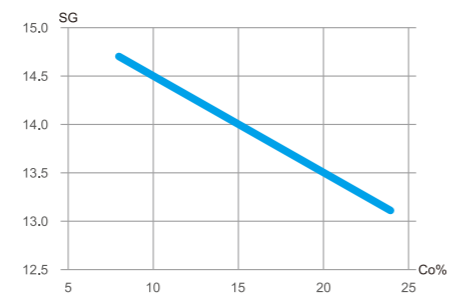
### Hardness

It is one of the important physical properties when it comes to abrasive resistance. Higher Co proportion & finer grainsize the carbide is, harder it will be.



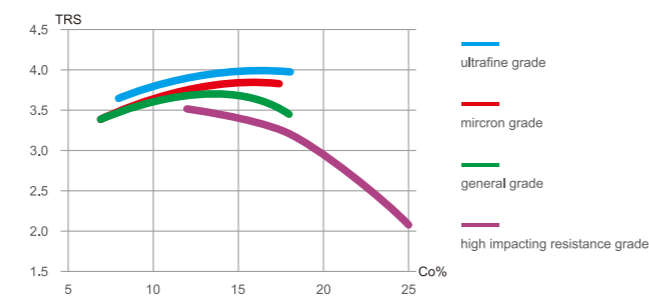
### Density

Density of pure tungsten is 15.6g/cm<sup>3</sup>, pure Cobalt is 8.9g/cm<sup>3</sup>. More Cobalt content the carbide has, lower density it will be.



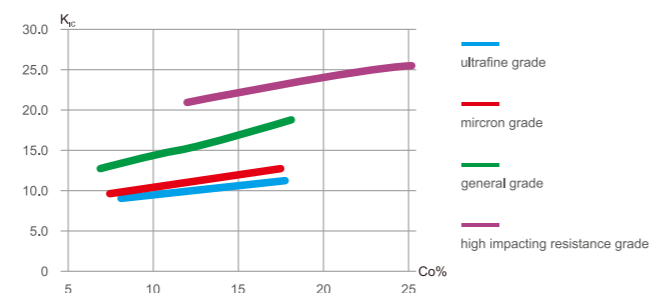
### T.R.S

T.R.S values increase with increasing of binder content, and decrease with decreasing of powder grainsize.



### K<sub>IC</sub>

K<sub>IC</sub> is a property can reflect the toughness of carbide, the value increase with increasing of Cobalt & grainsize.



Enhance the Power of Your Tools



# SAW TIPS FOR WOOD

Grade	Binder %	Grain Size	Density	Hardness		T.R.S	KIC	USA Code	ISO Code
			g/cm <sup>3</sup>	HRA	HV10	N/mm <sup>2</sup>	Mpa·m <sup>1/2</sup>		
UK4	3.0	Ultrafine	15.15	94.2	2090	3000	6.8	C4	K01
UH5	3.0	Ultrafine	15.15	94.3	2120	2600	6.9	C4	K01
MH3	3.3	Ultrafine	15.1	94.6	2175	2400	6.9	C1	K01
MH4	3.3	Sub-micron	15.2	94.6	2175	2400	6.6	C4	K05
MH6	5.0	Sub-micron	14.95	93.6	1950	2800	8.5	C3	K10
CF05-CR	4.5	Fine	14.95	93.0	1820	3000	9.9	C4	K05
CF10	6.0	Fine	14.9	92.0	1630	3000	9.3	C3	K10
CF10R	6.5	Fine	14.8	92.0	1630	2200	12.6	C3	K10
CF20A	8.0	Fine	14.65	91.9	1620	3200	10.5	C3	K20
CK10X	6.0	Mediumfine	14.9	91.3	1530	2100	11.8	C3	K10
CK15	7.0	Mediumfine	14.8	91.0	1490	2300	12.4	C2	K20
CK20	8.0	Mediumfine	14.7	90.2	1390	2500	14	C2	K20
CK30	9.0	Mediumfine	14.6	89.8	1340	2600	14.3	C1	K30
CK40	12.0	Mediumfine	14.3	88.8	1340	2800	18.6	C1	K40
CT30	10.0	Coarse	14.45	87.8	1150	2800	19	C1	K30

## Grade Recommendation by Applications

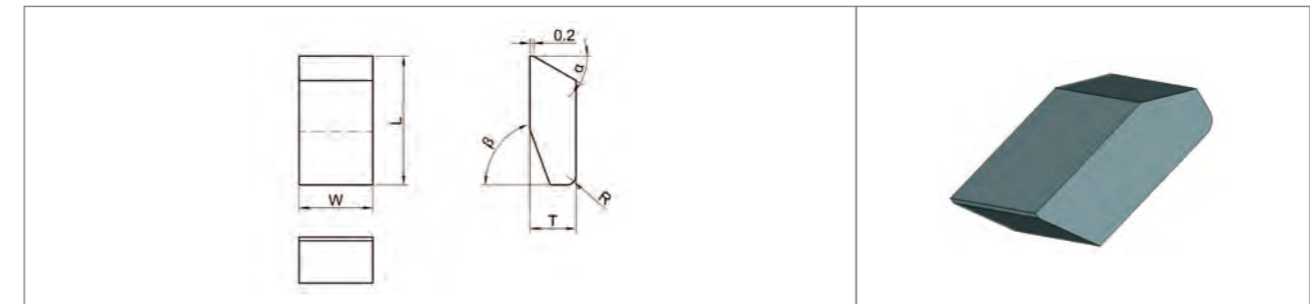
Grade	Chipboard	HDF	MDF	Hard Wood	Soft Wood	Sawmills	Winter Wood
UK4	★★★★	★★★★					
UH5	★★★★	★★★★					
MH3	★★★★	★★★★	★★★				
MH4	★★★	★★★★	★★★★				
MH6	★★	★★★	★★★★				
CF05-CR				★★★★			
CF10			★★★★	★★★			
CF10R			★★★	★★★			
CF20A							★★★★
CK10				★★★★			
CK15					★★	★★★★	
CK20					★★★	★★★★	
CK30					*	★★★★	
CK40						★★	★★★★
CT30							★★★★

Notes  
 ★ Moderate   ★★ OK   ★★★ Very good   ★★★★ Excellent

• All the grade parameters are typical value, please refer to our standard grade datasheet for more details.

# SAW TIPS FOR WOOD

## Carbide Saw Tips-Style A



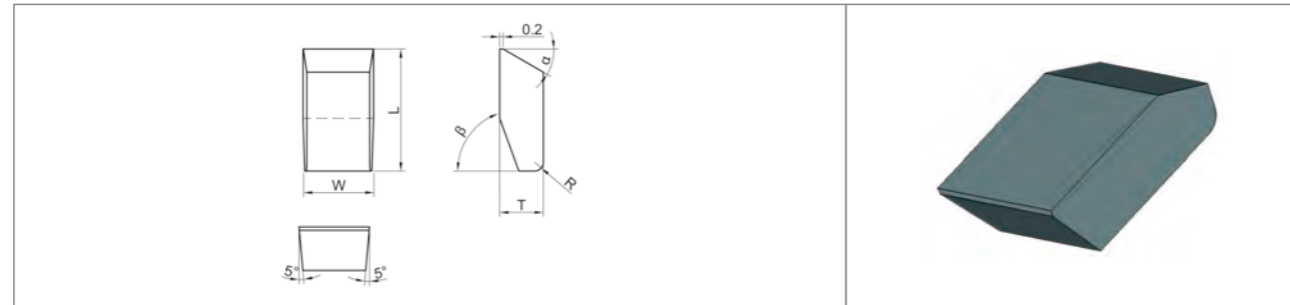
Type	L	T	W Max	α°	β°	R	Prebrazed Option
	mm	mm	mm				
A4020-W	4.0	2.0	3.5	20	70	0.5	
A4516-W	4.5	1.6	3.5	20	60	C0.5	
A5015-W	5.0	1.5	3.5	15	70	0.4	
A5515-W	5.5	1.5	3.5	15	70	0.4	
A5517-W	5.5	1.7	3.5	15	70	0.4	
A5520-W	5.5	2.0	4.0	20	70	0.5	
A5525-W	5.5	2.5	4.0	15	60	0.5	
A6018-W	6.0	1.8	4.0	15	70	0.5	
A6020-W	6.0	2.0	4.0	20	70	0.5	
A6518-W	6.5	1.8	4.0	20	70	0.5	✓
A6520-W	6.5	2.0	4.0	20	70	0.5	✓
A6523-W	6.5	2.3	4.0	25	70	0.5	✓
A7020-W	7.0	2.0	4.0	20	70	0.5	✓
A7523-W	7.5	2.3	4.0	30	70	0.5	✓
A8025-W	8.0	2.5	4.5	30	70	0.5	✓
A8027-W	8.0	2.7	4.5	20	70	0.5	✓
A8528-W	8.5	2.8	5.0	30	70	0.5	✓
A9025-W	9.0	2.5	6.0	30	70	0.5	✓
A9028-W	9.0	2.8	6.0	30	70	0.5	✓
A9528-W	9.5	2.8	6.0	30	70	0.5	✓
A9530-W	9.5	3.0	6.0	30	70	0.5	✓
A10024-W	10.0	2.4	6.0	30	70	0.5	✓
A10028-W	10.0	2.8	6.0	30	70	0.5	✓
A10525-W	10.5	2.5	7.0	30	70	0.5	✓
A10528-W	10.5	2.8	10.0	30	70	0.5	✓
A10530-W	10.5	3.0	10.0	30	70	0.5	✓
A10535-W	10.5	3.5	10.0	30	70	0.5	✓
A10735-W	10.7	3.5	10.0	30	70	0.5	✓
A11540-W	11.5	4.0	10.0	30	70	0.5	✓
A12035-W	12.0	3.5	10.0	30	70	0.5	✓
A12535-W	12.5	3.5	10.0	30	70	0.5	✓
A13040-W	13.0	4.0	10.0	30	70	0.5	✓
A14035-W	14.0	3.5	10.0	30	70	05	✓

• Non-standard specifications and grades can be provided upon request.



# SAW TIPS FOR WOOD

## Carbide Saw Tips-Style B

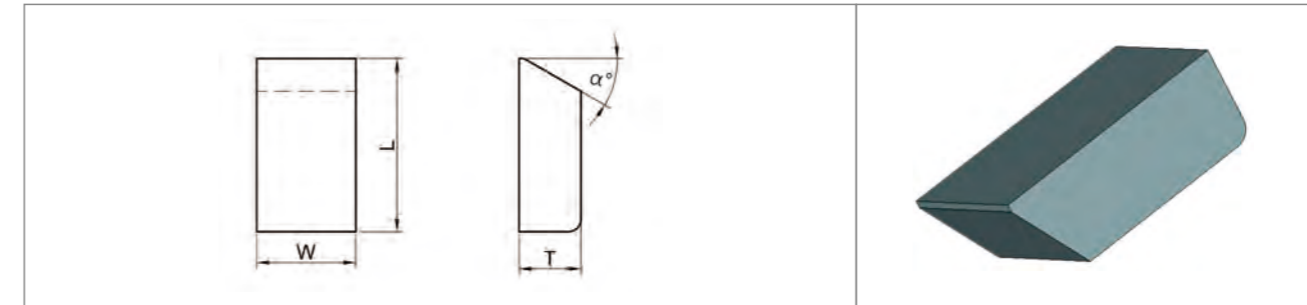


Type	L	T	W Max	$\alpha^\circ$	$\beta^\circ$	R	Prebrazed Option
	mm	mm	mm				
B4020-W	4.0	2.0	3.5	20	70	0.5	
B4516-W	4.5	1.6	3.5	20	60	C0.5	
B5015-W	5.0	1.5	3.5	15	70	0.4	
B5515-W	5.5	1.5	3.5	15	70	0.4	
B5517-W	5.5	1.7	3.5	15	70	0.4	
B5520-W	5.5	2.0	4.0	20	70	0.5	
B5525-W	5.5	2.5	4.0	15	60	0.5	
B6018-W	6.0	1.8	4.0	15	70	0.5	
B6020-W	6.0	2.0	4.0	20	70	0.5	
B6518-W	6.5	1.8	4.0	20	70	0.5	✓
B6520-W	6.5	2.0	4.0	20	70	0.5	✓
B6523-W	6.5	2.3	4.0	25	70	0.5	✓
B7020-W	7.0	2.0	4.0	20	70	0.5	✓
B7023-W	7.0	2.3	4.0	25	70	0.5	✓
B7523-W	7.5	2.3	4.5	30	70	0.5	✓
B7525-W	7.5	2.5	4.5	30	70	0.5	✓
B8023-W	8.0	2.3	4.5	25	70	0.5	✓
B8025-W	8.0	2.5	4.5	30	70	0.5	✓
B8027-W	8.0	2.7	4.5	20	70	0.5	✓
B8525-W	8.5	2.5	4.5	30	70	0.5	✓
B8528-W	8.5	2.8	5.0	30	70	0.5	✓
B9025-W	9.0	2.5	6.0	30	70	0.5	✓
B9028-W	9.0	2.8	6.0	30	70	0.5	✓
B9030-W	9.0	3.0	6.0	30	60	0.5	✓
B9525-W	9.5	2.5	6.0	30	60	0.5	✓
B9530-W	9.5	3.0	6.0	30	70	0.5	✓
B10024-W	10.0	2.4	6.0	30	70	0.5	✓
B10028-W	10.0	2.8	6.0	30	70	0.5	✓
B10525-W	10.5	2.5	7.0	30	70	0.5	✓
B10528-W	10.5	2.8	10.0	30	70	0.5	✓
B10530-W	10.5	3.0	10.0	30	70	0.5	✓
B10535-W	10.5	3.5	10.0	30	70	0.5	✓
B10735-W	10.7	3.5	10.0	30	70	0.5	✓
B11540-W	11.5	4.0	10.0	30	70	0.5	✓
B12035-W	12.0	3.5	10.0	30	70	0.5	✓
B12535-W	12.5	3.5	10.0	30	70	0.5	✓
B13040-W	13.0	4.0	10.0	30	70	0.5	✓
B14035-W	14.0	3.5	10.0	30	70	0.5	✓

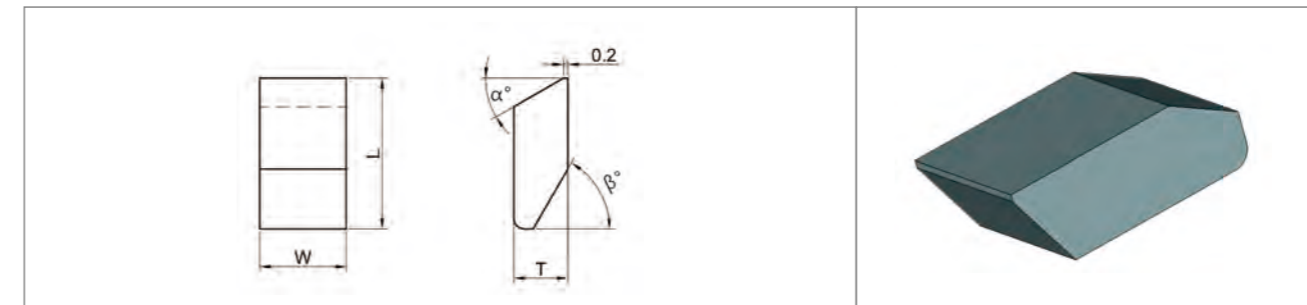
• Non-standard specifications and grades can be provided upon request.

# SAW TIPS FOR WOOD

## North America Standard



Type	L	T	W Max	$\alpha^\circ$	Prebrazed Option
	Inch	Inch	Inch		
WA	0.250	0.062	0.215	30	✓
WB	0.281	0.078	0.312	30	✓
WC	0.281	0.093	0.250	30	✓
WD	0.312	0.093	0.312	30	✓
WE	0.375	0.093	0.375	30	✓
WF	0.500	0.125	0.375	30	✓
WG	0.375	0.125	0.750	30	✓
WH	0.344	0.125	0.300	30	✓
WQ	0.375	0.156	0.375	30	✓

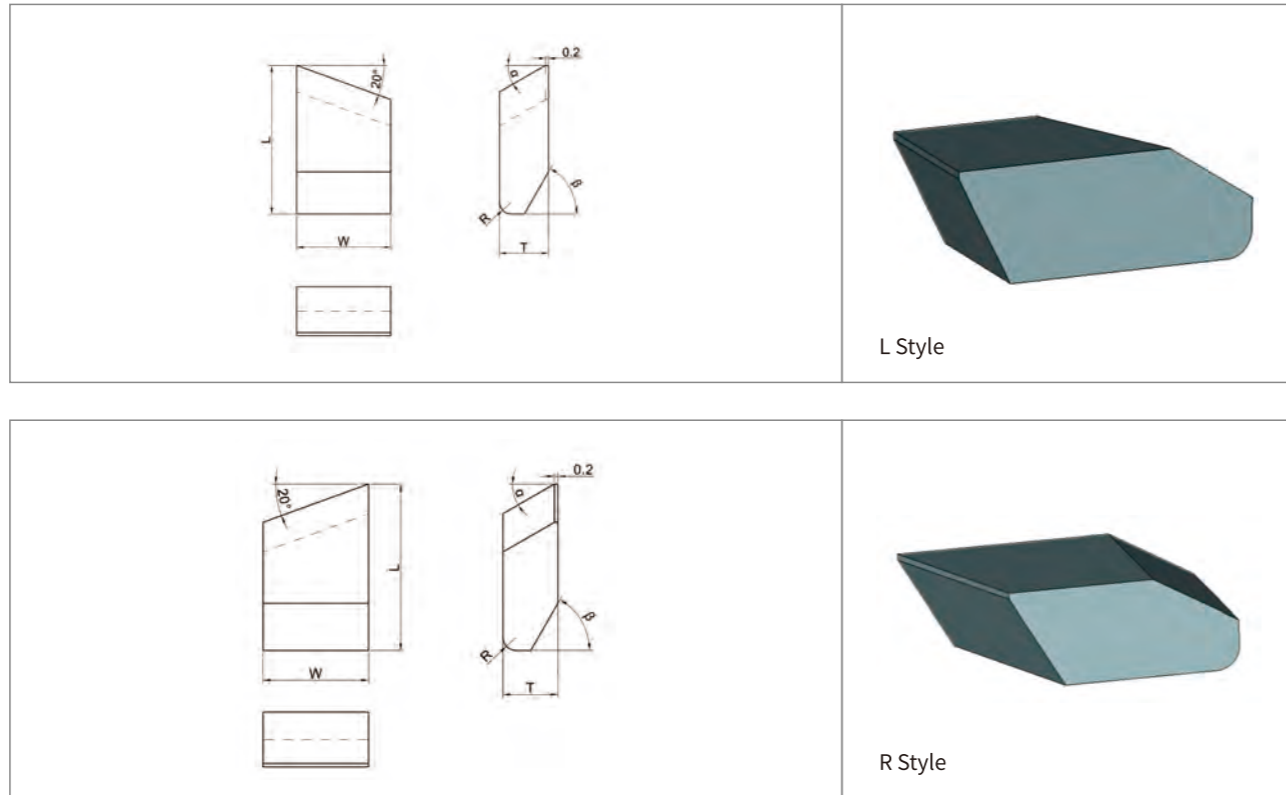


Type	L	T	W Max	$\alpha^\circ$	$\beta^\circ$	Prebrazed Option
	Inch	Inch	Inch			
CWB	0.281	0.078	0.120	30	60	✓
CWD	0.312	0.093	0.312	30	60	✓
CWE	0.375	0.093	0.375	30	60	✓
CFW	0.500	0.125	0.650	30	60	✓
CWG	0.375	0.125	0.500	30	60	✓
CWH	0.344	0.125	0.300	30	60	✓
CWQ	0.375	0.156	0.300	30	60	✓
CWR	0.541	0.125	0.500	30	70	✓
CWX	0.435	0.126	0.500	35	67	✓

• Non-standard specifications and grades can be provided upon request.

# SAW TIPS FOR WOOD

## Carbide Saw Tips-L&R Style



# SAW TIPS FOR WOOD

## Carbide Saw Tips-L&R Style

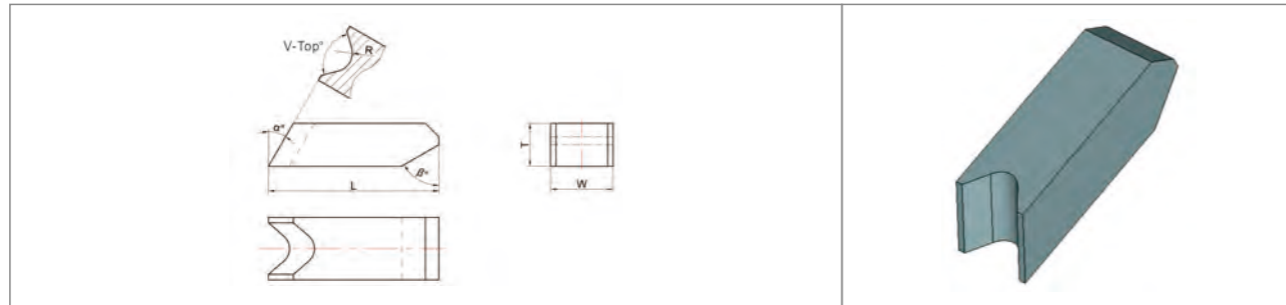
Type	L Inch	T Inch	W Inch	$\alpha^\circ$	$\beta^\circ$	Prebrazed Option
CWD-7135-L/R	0.312	0.093	0.135	30	60	✓
CWD-7150-L/R	0.312	0.093	0.150	30	60	✓
CWD-7165-L/R	0.312	0.093	0.165	30	60	✓
CWD-7170-L/R	0.312	0.093	0.170	30	60	✓
CWD-7180-L/R	0.312	0.093	0.180	30	60	✓
CWD-7185-L/R	0.312	0.093	0.185	30	60	✓
CWD-7200-L/R	0.312	0.093	0.200	30	60	✓
CWD-7215-L/R	0.312	0.093	0.215	30	60	✓
CWD-7220-L/R	0.312	0.093	0.220	30	60	✓
CWD-7230-L/R	0.312	0.093	0.230	30	60	✓
CWD-7250-L/R	0.312	0.093	0.250	30	60	✓
CWD-7265-L/R	0.312	0.093	0.265	30	60	✓
CWD-7270-L/R	0.312	0.093	0.270	30	60	✓
CWE-7165-L/R	0.375	0.093	0.165	30	60	✓
CWE-7170-L/R	0.375	0.093	0.170	30	60	✓
CWE-7180-L/R	0.375	0.093	0.180	30	60	✓
CWE-7185-L/R	0.375	0.093	0.185	30	60	✓
CWE-7200-L/R	0.375	0.093	0.200	30	60	✓
CWE-7215-L/R	0.375	0.093	0.215	30	60	✓
CWE-7220-L/R	0.375	0.093	0.220	30	60	✓
CWE-7230-L/R	0.375	0.093	0.230	30	60	✓
CWE-7250-L/R	0.375	0.093	0.250	30	60	✓
CWE-7265-L/R	0.375	0.095	0.265	30	60	✓
CWE-7270-L/R	0.375	0.093	0.270	30	60	✓
CWE-7290-L/R	0.375	0.093	0.290	30	60	✓
CWF-7230-L/R	0.500	0.125	0.230	30	60	✓
CWF-7250-L/R	0.500	0.125	0.250	30	60	✓
CWF-7280-L/R	0.500	0.125	0.280	30	60	✓
CWF-7290-L/R	0.500	0.125	0.290	30	60	✓
CWF-7300-L/R	0.500	0.125	0.300	30	60	✓
CWG-7150-L/R	0.375	0.125	0.150	30	60	✓
CWG-7160-L/R	0.375	0.125	0.160	30	60	✓
CWG-7180-L/R	0.375	0.125	0.180	30	60	✓
CWG-7200-L/R	0.375	0.125	0.200	30	60	✓
CWG-7215-L/R	0.375	0.125	0.215	30	60	✓
CWG-7220-L/R	0.375	0.125	0.220	30	60	✓
CWG-7230-L/R	0.375	0.125	0.230	30	60	✓
CWG-7240-L/R	0.375	0.125	0.240	30	60	✓
CWG-7250-R/L	0.375	0.125	0.250	30	60	✓
CWG-7265-L/R	0.375	0.125	0.265	30	60	✓
CWG-7270-L/R	0.38	0.130	0.270	30	60	✓
CWG-7280-L/R	0.375	0.125	0.280	30	60	✓
CWG-7290-L/R	0.375	0.125	0.290	30	60	✓
CWG-7300-L/R	0.375	0.125	0.300	30	60	✓
CWG-7360-L/R	0.375	0.125	0.360	30	60	✓

• Non-standard specifications and grades can be provided upon request.



# SAW TIPS FOR WOOD

## Carbide Saw Tips-V Top Style

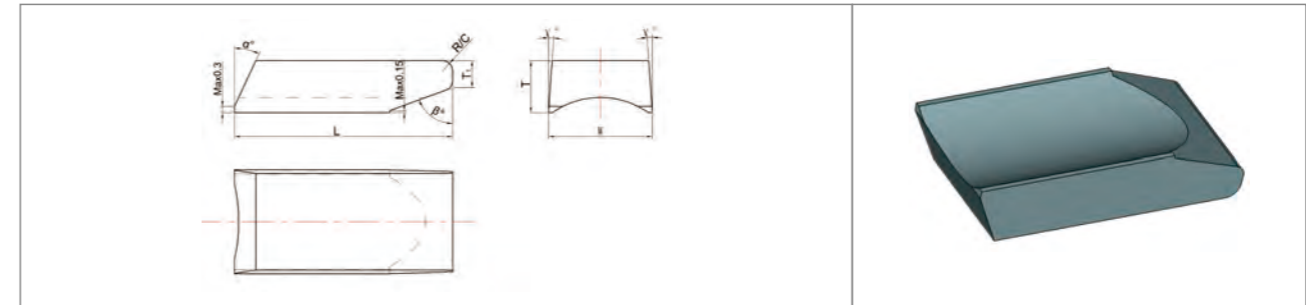


Type	L Inch	T Inch	W Inch	$\alpha^\circ$	$\beta^\circ$	V-Top $^\circ$	Prebrazed Option
CWDV-7150	0.312	0.095	0.150	30	60	90	✓
CWDV-7185	0.312	0.095	0.185	30	60	90	✓
CWDV-7185-100°	0.312	0.095	0.185	30	60	100	✓
CWDV-7200	0.312	0.095	0.200	30	60	90	✓
CWDV-7230	0.312	0.093	0.230	30	60	100	✓
CWEV-7110	0.375	0.097	0.110	22	60	100	✓
CWEV-7170	0.375	0.097	0.170	22	60	100	✓
CWEV-7180	0.375	0.095	0.180	30	60	90	✓
CWEV-7200	0.375	0.095	0.200	30	60	90	✓
CWEV-7200-100°	0.375	0.097	0.200	22	60	100	✓
CWEV-7210	0.375	0.097	0.210	22	60	100	✓
CWEV-7220	0.375	0.097	0.220	22	60	100	✓
CWEV-7230	0.375	0.095	0.230	30	60	90	✓
CWEV-7230-22°	0.375	0.097	0.230	22	60	90	✓
CWEV-7250	0.375	0.095	0.250	30	60	90	✓
CWEV-7260	0.375	0.097	0.260	22	60	00	✓
CWEV-7290	0.375	0.093	0.290	30	60	100	✓
CWFFV-7130	0.500	0.125	0.130	30	60	90	✓
CWFFV-7150	0.500	0.125	0.150	30	60	90	✓
CWFFV-7170	0.500	0.125	0.170	30	60	90	✓
CWFFV-7200	0.500	0.125	0.200	30	60	90	✓
CWFFV-7220	0.500	0.125	0.220	30	60	90	✓
CWFFV-7230	0.500	0.125	0.230	30	60	100	✓
CWFFV-7240	0.500	0.125	0.240	30	60	90	✓
CWFFV-7250	0.500	0.125	0.250	30	60	90	✓
CWFFV-7260	0.500	0.125	0.260	30	60	90	✓
CWFFV-7270	0.500	0.125	0.270	30	60	100	✓
CWGV-7150	0.375	0.125	0.150	30	60	90	✓
CWGV-7170	0.375	0.125	0.170	30	60	90	✓
CWGV-7200	0.375	0.125	0.200	30	60	90	✓
CWGV-7220	0.375	0.125	0.220	30	60	90	✓
CWGV-7230	0.375	0.125	0.230	30	60	90	✓
CWGV-7240	0.375	0.125	0.240	30	60	90	✓
CWGV-7250	0.375	0.125	0.250	30	60	90	✓
CWGV-7260	0.375	0.125	0.260	30	60	90	✓
CWGV-7270	0.375	0.125	0.270	30	60	90	✓
CWHV-7200	0.344	0.125	0.200	30	60	90	✓

• Non-standard specifications and grades can be provided upon request.

# SAW TIPS FOR WOOD

## Carbide Saw Tips-Hollow Style



Type	L mm	T mm	W mm	$\alpha^\circ$	$\beta^\circ$	$\gamma^\circ$	T1	R/C
CFT-7205	9.525	3.023	5.207	30	45	/	2.083	C0.763X53°
CFT-7230	9.525	3.404	5.842	20	45	/	1.575	C0.762X53°
HT56205-2.8	5.60	2.05	2.80	25	60	3	1.20	C0.4
HT7519-3.0	7.50	1.90	3.00	25	70	4	1.10	C0.5
HT8026-3.5	8.00	2.60	3.50	25	70	4	1.30	0.5
HT8026-3.7	8.00	2.60	3.70	25	70	4	1.30	0.5
HT8525-5.0	8.50	2.50	5.00	25	70	4	1.30	0.5
HT10525-3.5	10.50	2.50	3.50	25	70	4	1.30	0.5
HT10525-5.0	10.50	2.50	5.00	25	70	4	1.30	0.5
HT10526-3.7	10.50	2.60	3.70	25	70	4	1.30	0.5
HT10537-3.7	10.50	2.70	3.70	20	60	4	1.10	C0.5

• Non-standard specifications and grades can be provided upon request.

# SAW TIPS FOR METALS

## Grade Recommendation by Applications

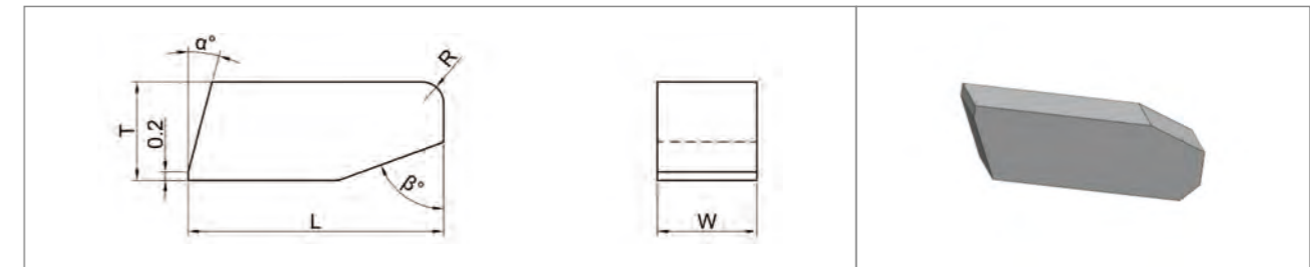
Grade	Steel	Stainless Steel	CastIron	Aluminum	Acrylic
MH4				★★★★	★★★
MH6				★★★	
CX30	★★★★	★★★	★★★		
CP30	★★★	★★	★★		
CP35	★★★	★★	★★		
CMT55	★★★★				
CMT80A	★★★★				

\*:Cermet Grade

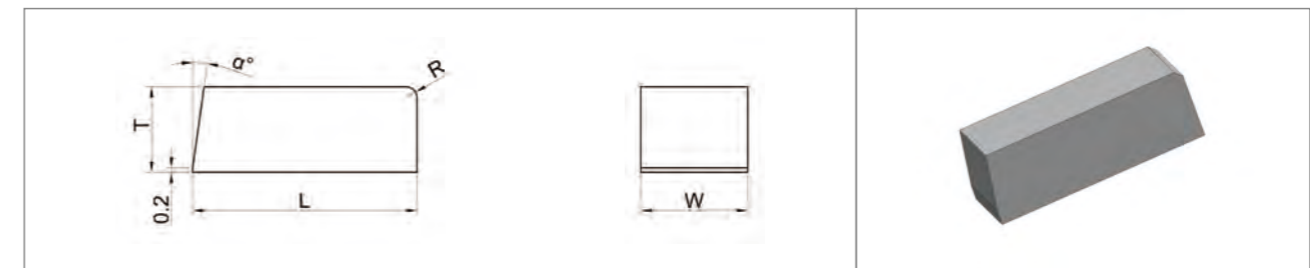
Notes

★ Moderate   ★★ OK   ★★★ Very good   ★★★★ Excellent

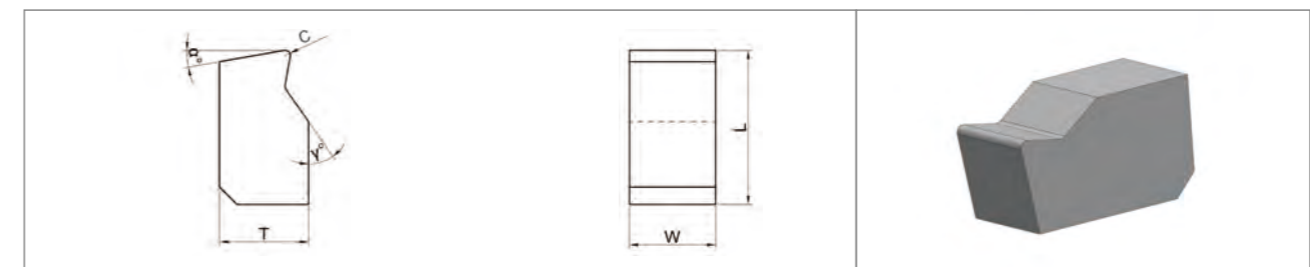
# SAW TIPS FOR METALS



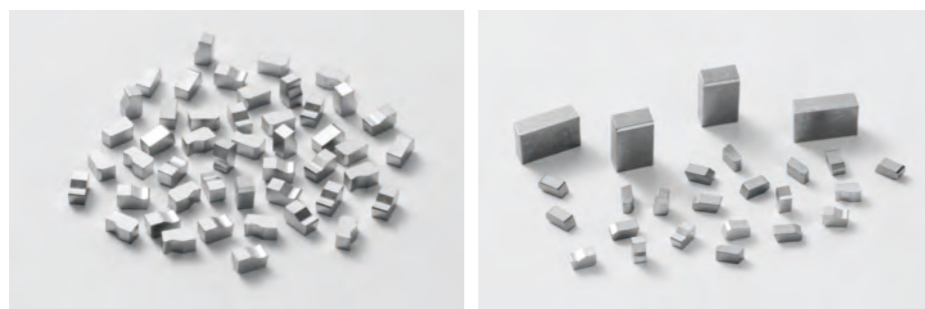
Type	L mm	T mm	W Max mm	$\alpha^\circ$	$\beta^\circ$	R
CX5025-W	5.0	2.5	3.5	15°	50°	0.5
CX6023-W	6.0	2.3	4.0	15°	70°	0.5
CX6520-W	6.5	2.0	4.0	20°	60°	0.5
CX8030-W	8.0	3.0	4.5	6°	45°	0.6



Type	L mm	T mm	W Max mm	$\alpha^\circ$	$\beta^\circ$	R
NCX10540-W	10.5	4.0	10.0	8°	/	0.5
NCX12040-W	12.0	4.0	10.0	8°	/	C0.4



Type	L mm	T mm	W Max mm	$\alpha^\circ$	C
CMT3526-W	3.5	2.6	3.0	6°	R0.2
CMT4526-W	4.5	2.6	3.5	10°	0.51
CMT5528-W	5.5	2.8	4.5	8°	R0.15



• All the grade parameters are typical value, please refer to our standard grade datasheet for more details.

• Non-standard specifications and grades can be provided upon request.



# SAW TIPS FOR METALS

## Band Saw Tips

Grade	Binder %	Grain Size	Density	Hardness		T.R.S	KIC	USA Code	ISO Code
			g/cm <sup>3</sup>	HRA	HV10	N/mm <sup>2</sup>	Mpa·m <sup>1/2</sup>		
CK40	12	Mediumfine	14.30	88.8	1340	2800	18.6	C1	K40
MH10F	10	Sub-micron	14.45	91.8	1600	3800	11	C2	K30
MH12	12	Sub-micron	14.15	91.8	1600	3800	13.4	C2	K40
MH15	15	Sub-micron	13.95	90.1	1380	3800	15	C2	K40

## Cylinders

Type	D	L	Tolerance
	mm	mm	
ø1.32XL	1.32	2.0~4.0	±0.05
ø1.60XL	1.60	2.0~4.0	±0.05
ø1.98XL	1.98	2.0~4.0	±0.05

## Balls

Type	D	Tolerance
	mm	
SQ1.72	1.72	±0.04
SQ2.03	2.03	±0.04
SQ2.15	2.15	±0.04
SQ2.42	2.42	±0.04



• Non-standard specifications and grades can be provided upon request.

# DIVERSIFIED SURFACE TREATMENT

To meet the demands of different customers, CYC provides diversified surface treatment services, including grinding, sandblasting, tumbling / polishing, pre-tinning / pre-brazing / chemical coating, etc. Which helps customer improve production efficiency and meanwhile reduce processing cost.



# TCT RODS FOR WOODWORKING

Grade	Binder %	Grain Size	Density	Hardness		T.R.S	KIC	USA Code	ISO Code
			g/cm <sup>3</sup>	HRA	HV10	N/mm <sup>2</sup>	Mpa·m <sup>1/2</sup>		
UK3	3.0	Ultrafine	15.15	94.2	2090	3500	6.5	C4	K01
UH5	3.0	Ultrafine	15.15	94.3	2120	2600	6.9	C4	K01
MH6	5.0	Sub-micron	14.95	93.6	1950	2800	8.5	C3	K10
MH10F	10.0	Sub-micron	14.45	91.8	1600	3800	11	C2	K30

## Grade Recommendation by Applications

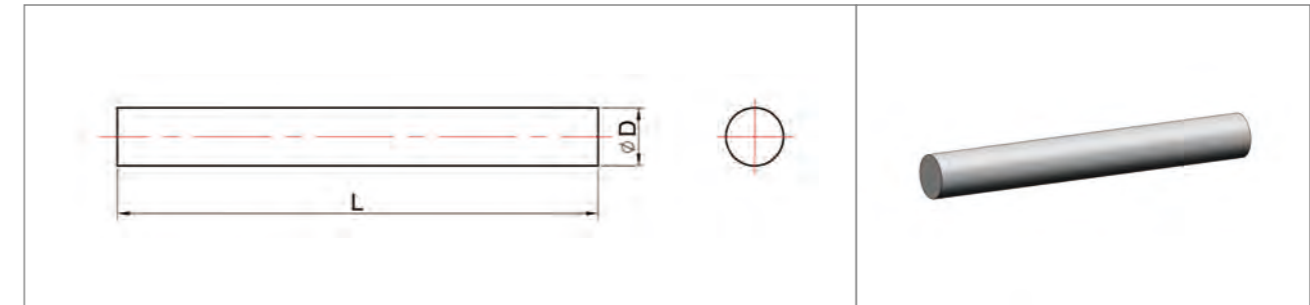
Grade	Chipboard	MDF & HDF	Solid Wood	Soft Wood	Composite Material	Acrylic
UK3	★★★★	★★★★				
UH5	★★★★	★★★★			★★★★	★★★
MH6		★★★	★★★★			★★★
MH10F			★★★	★★★		
CF03			★★★★		★★★	

Notes  
 ★ Moderate   ★★ OK   ★★★ Very good   ★★★★ Excellent



- All the grade parameters are typical value, please refer to our standard grade datasheet for more details.
- Non-standard specifications and grades can be provided upon request.

# TCT RODS FOR WOODWORKING



OD	Tol.	Length	Tol.
3.3	±0.03	19	+0.5
		26	
		33	
3.5	±0.03	31	+0.5
		19	
3.8	±0.03	26	+0.5
		33	
		21	
4.3	±0.03	26	+0.5
		31	
		40	
4.8	±0.03	23	+0.5
		21	
5.3	±0.03	26	+0.5
		31	
		26	
5.8	±0.03	31	+0.5
		31	
		31	
6.3	±0.03	35	+0.5
		43	
		26	
6.8	±0.03	33	+0.5
		33	
		33	
7.3	±0.03	37	+0.5
		43	
		37	
8.3	±0.03	43	+0.5
		47	
		53	
9.3	±0.03	43	+0.5
		45	
		48	
9.8	±0.03	45	+0.5
		39	
10.3	±0.03	45	+0.5
		53	
		43	
12.3	±0.03	45	+0.5
		53	

- Non-standard specifications and grades can be provided upon request.



# BLANKS FOR ROUTER CUTTERS

牌号 Grade	粘结相 Binder %	晶粒度 Grain Size	密度 Density		硬度 Hardness		抗折力 T.R.S	断裂韧性 KIC	USA Code	ISO Code
			g/cm <sup>3</sup>	HRA	HV10	N/mm <sup>2</sup>	Mpa·m <sup>1/2</sup>			
UH5	3.0	Ultrafine	15.15	94.3	2120	2600	6.9	C4	K01	
MH3	3.3	Ultrafine	15.1	94.6	2175	2400	6.9	C4	K01	
MH5	4.8	Sub-micron	14.95	94.1	2070	2400	7.4	C4	K05	
MH6	5.0	Sub-micron	14.95	93.6	1950	2800	8.5	C3	K10	
CK10X	6.0	Mediumfine	14.9	91.3	1530	2100	11.8	C3	K10	
CK20	8.0	Mediumfine	14.7	90.2	1390	2500	14	C2	K20	

## Grade Recommendation by Applications

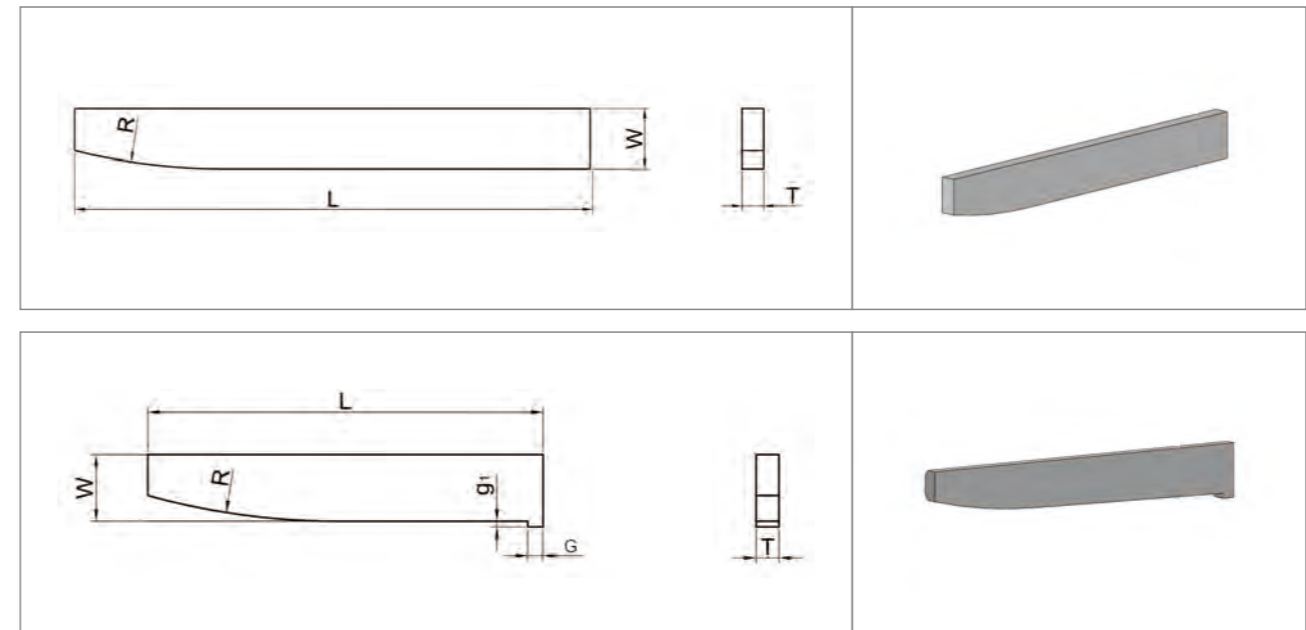
Grade	Chipboard	MDF&HDF	Solid Wood	Soft Wood
UH5	★★★★	★★★★		
MH3	★★★★	★★★★		
MH5	★★★	★★★		
MH6	★★★	★★	★★★★	
CF10			★★★	★★★★
CK10			★★	★★★

Notes  
★ Moderate ★★ OK ★★★ Very good ★★★★ Excellent



- All the grade parameters are typical value, please refer to our standard grade datasheet for more details.
- Non-standard specifications and grades can be provided upon request.

# BLANKS FOR ROUTER CUTTERS

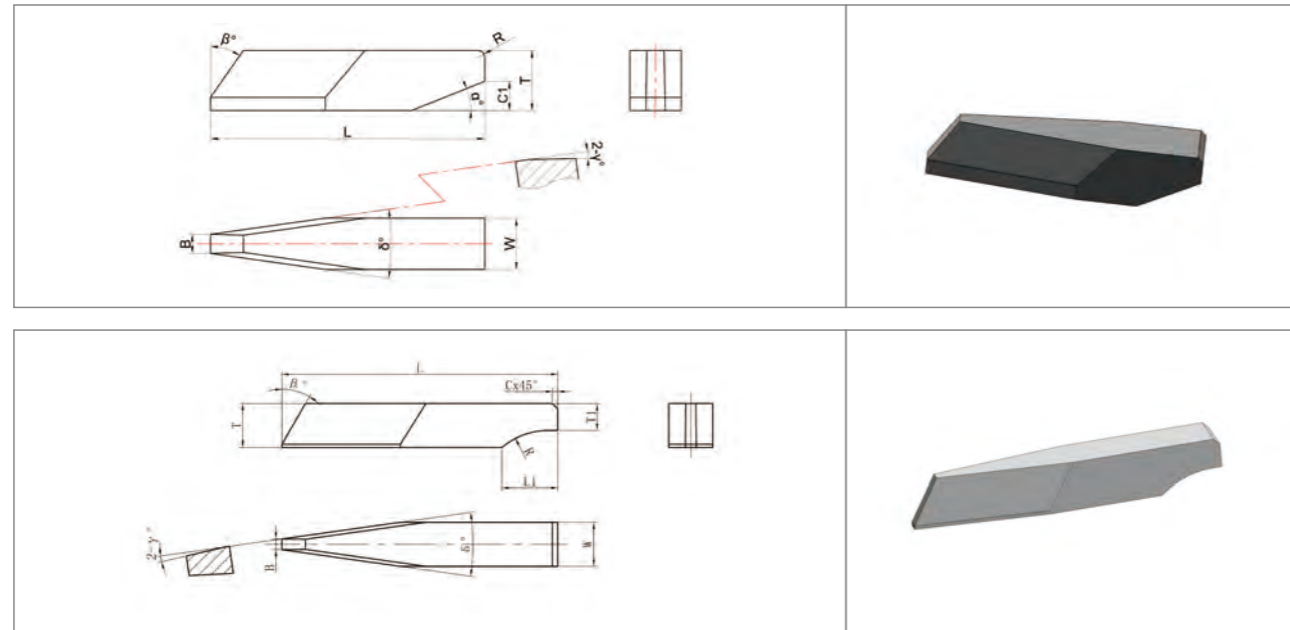


Type	L mm	W mm	R mm
TX2.1X20.2-R32	20.2	2.1	32.0
TX2.5X20.3-R32	20.3	2.5	32.0
TX3.0X20.5-R32	20.5	3.0	32.0
TX3.3X25-R32	25.0	3.3	32.0
TX3.0X30-R37.5	30.0	3.0	37.5
TX3.0X30.5-R32	30.5	3.0	32.0
TX4.0X30.5-R31.5	30.5	4.0	31.5
TX5.3X30.5-R31.5	30.5	5.3	31.5
TX8.0X30.5-R31.5	30.5	8.0	31.5
TX3.35X31-R32	31.0	3.4	32.0
TX4.0X31-R31.5	31.0	4.0	31.5
TX4.3X31-R31.5	31.0	4.3	31.5
TX5.0X31-R37.5	31.0	5.0	37.5
TX5.5X31-R37.5	31.0	5.5	37.5
TX6X31-R37.5	31.0	6.0	37.5
TX7.0X31-R37	31.0	7.0	37.0
TX8.0X31-R37	31.0	8.0	37.0
TX3.5X35.5-R37.5	35.5	3.5	37.5
TX4.3X38.1-R31.5	38.1	4.3	31.5
TX3.4X38.2-R32	38.2	3.4	32.0
TX3.2X38.5-R37	38.5	3.2	37.0
TX4.0X50.8-R37.5	50.8	4.0	37.5
TX4.2X63.5-R32	63.5	4.2	32.0
TX4.3X76.2-R32	76.2	4.3	32.0

Type	L mm	W mm	R mm	G X g1 mm
TX2.7X20.8-R37.5-G	20.8	2.7	37.5	0.8X0.3
TX3.5X20.8-R37.5-G	20.8	3.5	37.5	0.8X0.3
TX3.0X21.8-R37.5-G	21.8	3.0	37.5	0.8X0.3
TX2.7X22.8-R37.5-G	22.8	2.7	37.5	0.8X0.3
TX3.0X25.8-R37.5-G	25.8	3.0	37.5	0.8X0.3
TX3.5X25.8-R37.5-G	25.8	3.5	37.5	0.8X0.3
TX3.8X26-R37.5-G	26.0	3.8	37.5	1.6X0.3
TX3.0X27.8-R37.5-G	27.8	3.0	37.5	0.8X0.3
TX3.0X30.8-R37.5-G	30.8	3.0	37.5	0.8X0.3
TX3.5X30.8-R37.5-G	30.8	3.5	37.5	0.8X0.3
TX4.5X30.8-R37.5-G	30.8	4.5	37.5	0.8X0.3
TX4.3X39-R37.5-G	39.0	4.3	37.5	1.5X0.3
TX4.3X51.5-R37.5-G	51.5	4.3	37.5	1.5X0.3

- Non-standard specifications and grades can be provided upon request.

# FINGER JOINT TIPS



Grade	Binder %	Grain Size	Density	Hardness		T.R.S	KIC	USA Code	ISO Code
			g/cm <sup>3</sup>	HRA	HV10	N/mm <sup>2</sup>	Mpa·m <sup>1/2</sup>		
CK10	6.0	中细 Mediumfine	14.9	91.3	1530	2100	11.8	C3	K10
CK20	8.0	中细 Mediumfine	14.7	90.2	1390	2500	14	C2	K20
MH7	6.0	超细 Submicro	14.85	93.1	1840	3600	8.5	C3	K10
MH10F	10.0	超细 Submicro	14.45	91.8	1600	3800	11	C2	K30

## Dimension

Type	L	W	T	β°	α°	γ°
	mm	mm	mm			
FJ12.8X2.1X3.7	12.8	2.1	3.7	60°	60°	0°
FJ14.6X3.4X4.3	14.6	3.4	4.3	60°	60°	5°
FJ18.2X9.8X4.0	18.2	9.8	4	60°	45°	5°
FJ18.3X10X4.0	18.3	10	4	60°	45°	5°
FJ18.5X5.4X4	18.5	5.4	4	60°	0°	6°
FJ18.5X10X4	18.5	10	4	60°	45°	5°
FJ18.7X3.2X4.1	18.7	3.2	4.1	55°	68°	6.2°
FJ18.7X8.4X4.1	18.7	8.4	4.1	55°	70°	7.7°
FJ18.7X10.3X3.6	18.7	10.3	3.6	65°	67°	7°
FJ18.7X15.3X3.6	18.7	15.3	3.6	45°	67°	7°
FJ19.8X4X4.2	19.8	4	4.2	60°	60°	5°

• All the grade parameters are typical value, please refer to our standard grade datasheet for more details.

# FINGER JOINT TIPS

## Dimension

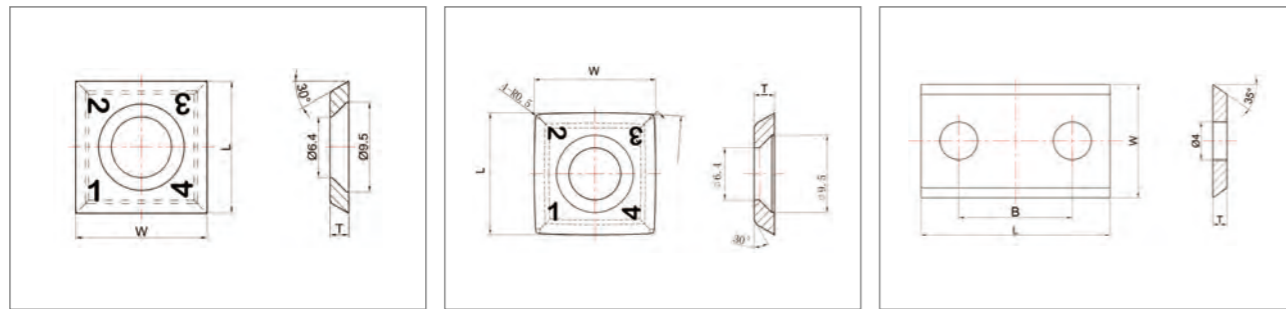
Type	L	W	T	β°	α°	γ°
	mm	mm	mm			
FJ20.7X3.6X4.3	20.7	3.6	4.3	60°	65°	5°
FJ21X3.6X4.7	21	3.6	4.7	60°	45°	5°
FJ22.5X4X4.2	22.5	4.2	4	45°	63°	0°
FJ23X3.7X3.8	23	3.7	3.8	45°	63°	5°
FJ23X3.8X4	23	3.8	4	45°	63°	5°
FJ23X6.1X4.4	23	6.1	4.4	60°	45°	5°
FJ23.2X4.1X4.1	23.2	4.1	4.1	45°	70°	8°
FJ23.2X8.4X4.1	23.2	8.4	4.1	50°	68°	8.4°
FJ23.2X10.4X4.1	23.2	10.4	4.1	45°	68°	7°
FJ23.4X4X4.2	23.4	4	4.2	60°	60°	5°
FJ23.5X4.5X4.0	23.5	4.5	4	65°	60°	0°
FJ23.8X4X4.2	23.8	4	4.2	60°	60°	3°
FJ24X4.5X4.4	24	4.5	4.4	60°	40°	0°
FJ24X10X4	24	10	4	50°	70°	5°
FJ25X4.5X4.4	25	4.5	4.4	65°	25°	0°
FJ25X5.3X4.2	25	5.3	4.2	64°	45°	5°
FJ26X5.8X4.2	26	5.8	4.2	60°	45°	5°
FJ26X10.2X4	26	10.2	4	60°	45°	5°
FJ26.3X4X4.2	26.3	4	4.2	60°	60°	5°
FJ26.5X3.8X4	26.5	3.8	4	45°	70°	7°
FJ26.5X7.1X4.0	26.5	7.1	4	60°	0°	8°
FJ27.2X4.1X4.1	27.2	4.1	4.1	60°	70°	7°
FJ27.2X10.4X3.8	27.2	10.4	3.8	45°	71°	3°
FJ27.6X7X4.2	27.6	7	4.2	64°	45°	7°
FJ28X4.2X4.0	28	4.2	4	64°	68°	7°
FJ28X4.5X4.1	28	4.5	4.1	65°	65°	7°
FJ28X5X4	28	5	4	64°	68°	0°
FJ28X5.2X4.4	28	5.2	4.4	52°	52°	7°
FJ28X6.3X4.1	28	6.3	4.1	45°	63°	7°
FJ28X10.8X4.1	28	10.8	4.1	45°	63°	0°
FJ28.2X5.55X4.4	28.2	5.55	4.4	75°	50°	10°
FJ28.3X4.5X4.3	28.3	4.5	4.3	65°	65°	7°
FJ28.5X4.3X4.1	28.5	4.3	4.1	45°	45°	5°
FJ30X11.6X4.2	30	11.6	4.2	90°	45°	5°
FJ31X6.4X4.3	31	6.4	4.3	60°	45°	5°
FJ32X6.1X4.3	32	6.1	4.3	60°	45°	5°
FJ33X7X4.3	33	7	4.3	60°	45°	5°
FJ41.5X14.5X4.5	41.5	4.5	14.5	45°	45°	9°
FJ45X9.1X4.5	45	9.1	4.5	60°	45°	5°

• Non-standard specifications and grades can be provided upon request.



# INDEXABLE KNIVES

Grade	Binder %	Grain Size	Density	Hardness		T.R.S	KIC	USA Code	ISO Code
			g/cm <sup>3</sup>	HRA	HV10	N/mm <sup>2</sup>	Mpa·m <sup>1/2</sup>		
UH5	3.0	Ultrafine	15.15	94.3	2120	2600	6.9	C4	K01
MH6	5.0	Submicro	14.95	93.6	1950	2800	8.5	C3	K10
MH10F	10.0	Submicro	14.50	91.8	1600	3800	11	C2	K30



L	W	T	R
mm	mm	mm	mm
14.0	14.0	2.0	/
15.0	15.0	2.5	/
15.0	15.0	2.5	115
15.0	15.0	2.5	150

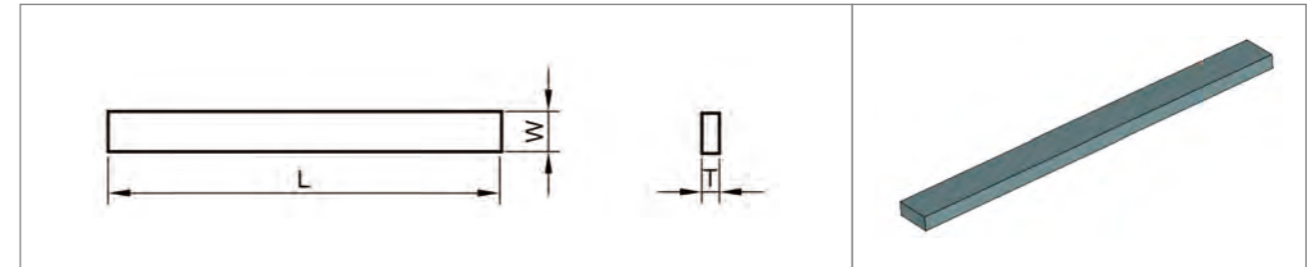
L	W	T	B
mm	mm	mm	mm
20.0	12.0	1.5	/
30.0	12.0	1.5	14.0
40.0	12.0	1.5	26.0
50.0	12.0	1.5	26.0



- All the grade parameters are typical value, please refer to our standard grade datasheet for more details.
- Non-standard specifications and grades can be provided upon request.

# STROBE BLANKS

## Fixed Length Strobe Blanks



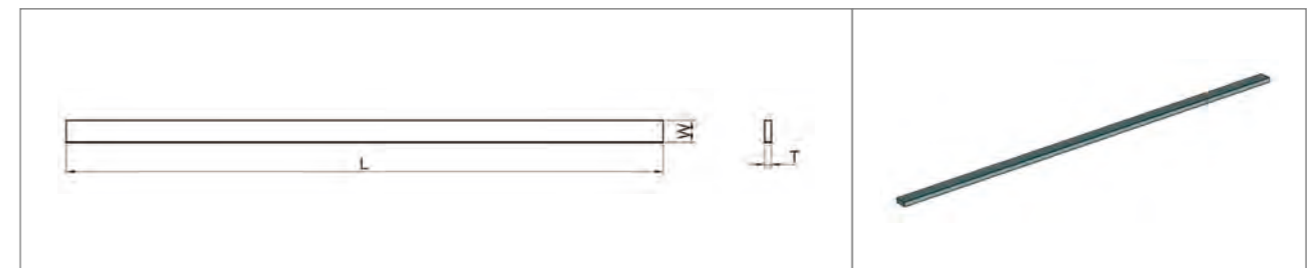
### Dimensions (metric)

Type	L	W	T
	mm	mm	mm
20xWx2.0	20	1.6~8.0	2.0
25xWx2.0	25	1.6~8.0	2.0
26xWx2.0	26	1.6~8.0	2.0
30xWx2.0	30	1.6~8.0	2.0
35xWx2.0	35	1.6~8.0	2.0
38xWx2.0	38	1.6~8.0	2.0
40xWx2.0	40	1.6~8.0	2.0
45xWx2.0	45	1.6~8.0	2.0
50xWx2.0	50	1.6~8.0	2.0
55xWx2.0	55	1.6~8.0	2.0
60xWx2.0	60	1.6~8.0	2.0
65xWx2.0	65	1.6~8.0	2.0
70xWx2.0	70	1.6~8.0	2.0
75xWx2.0	75	1.6~8.0	2.0
90xWx2.0	90	1.6~8.0	2.0

### Dimensions (inch)

Type	L	W	T
	Inch	Inch	Inch
ST1XXX	1.000"	0.093"~0.280"	0.125"
ST2XXX	1.250"	0.093"~0.280"	0.125"
ST3XXX	0.750"	0.093"~0.280"	0.125"

## Long Strobe Blanks



Type	L	W	T
	mm	mm	mm
310xWx2.0	310	2.0~8.5	2.0

- Non-standard specifications and grades can be provided upon request.

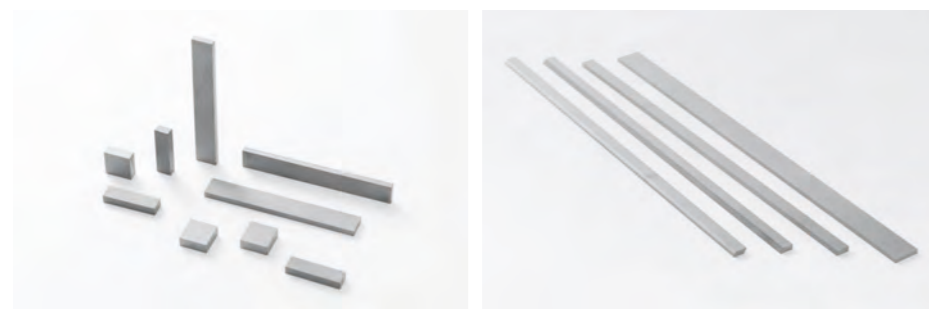
# CARBIDE STRIPS

Grade	Binder %	Grain Size	Density	Hardness		T.R.S	KIC	USA Code	ISO Code
			g/cm <sup>3</sup>	HRA	HV10	N/mm <sup>2</sup>	Mpa·m <sup>1/2</sup>		
MH6	5.0	Sub-micron	14.95	93.6	1950	2800	8.5	C3	K10
MH7	6.0	Sub-micron	14.85	93.1	1840	3600	8.5	C3	K10
MH8	8.0	Sub-micron	14.65	92.4	1700	3000	9.5	C3	K20
MH10F	10.0	Sub-micron	14.45	91.8	1600	3800	11	C2	K30
CK10X	6.0	Mediumfine	14.9	91.3	1530	2100	11.8	C3	K10
CK20	8.0	Mediumfine	14.7	90.2	1390	2500	14	C2	K20
CK30	9.0	Mediumfine	14.6	89.8	1340	2600	14.3	C1	K30
CK301	7.8	Medium	14.8	89.0	1270	2250	19.9	C1	K30
CF10	6.0	Fine	14.9	92.0	1630	3000	9.3	C3	K10
CF30	10.0	Fine	14.45	91.2	1520	3300	11.8	C1	K30

## Grade Recommendation by Applications

Grade	Chipboard	HDF	Hardwood	Soft Wood
MH6	★★★★			
MH7	★★★★			
MH8	★★★★			
MH10F		★★★★	★★★	
CK10			★★★	
CK20			★★★	★★★★

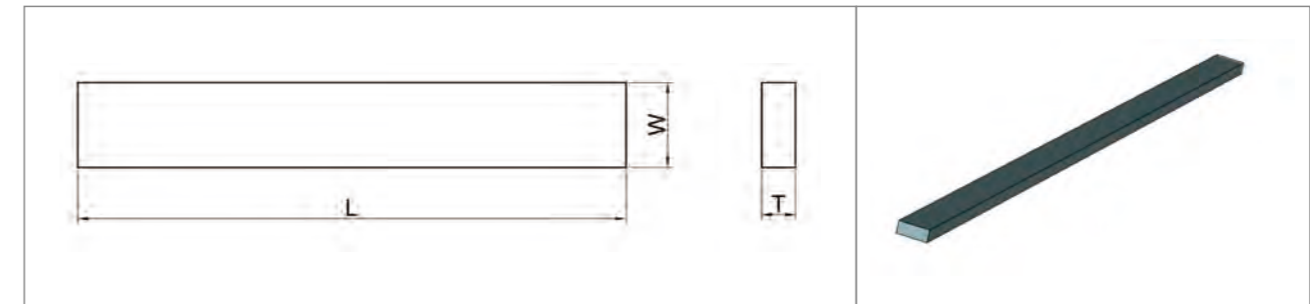
Notes  
 ★ Moderate   ★★ OK   ★★★ Very good   ★★★★ Excellent



• All the grade parameters are typical value, please refer to our standard grade datasheet for more details.

# CARBIDE STRIPS

## Carbide Strips-S Type



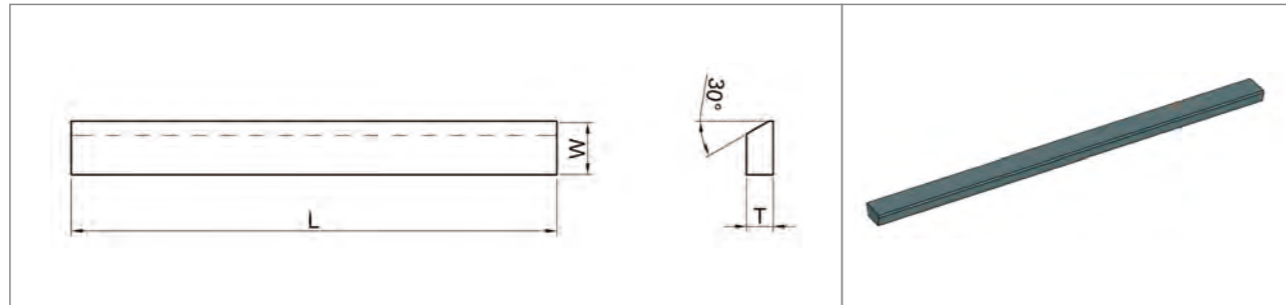
Dimension (mm)			Dimension (mm)			Dimension (mm)		
L	W	T	L	W	T	L	W	T
310	4	1.5~4.0	320	4	1.5~4.0	330	3	1.5~3.0
310	6	1.5~6.0	320	6	1.5~6.0	330	4	1.5~4.0
310	8	1.5~8.0	320	8	1.5~8.0	330	5	1.5~5.0
310	10	1.5~8.0	320	10	1.5~10.0	330	6	1.5~6.0
310	12	1.5~8.0	320	12	1.5~10.0	330	7	1.5~7.0
310	14	1.5~8.0	320	14	1.5~8.0	330	8	1.5~8.0
310	15	1.5~10.0	320	15	1.5~8.0	330	9	1.5~9.0
310	16	1.5~8.0	320	16	1.5~8.0	330	10	1.5~10.0
310	18	1.5~8.0	320	18	1.5~8.0	330	11	1.5~10.0
310	20	1.5~8.0	320	20	1.5~8.0	330	12	1.5~10.0
310	24	1.5~8.0	320	25	1.5~12.0	330	14	1.5~10.0
310	25	1.5~8.0	320	28	1.5~8.0	330	15	1.5~10.0
310	28	1.5~8.0	320	30	1.5~8.0	330	16	1.5~10.0
310	30	1.5~8.0	320	32	2.0~8.0	330	18	1.5~10.0
310	45	3.0~12.0	320	34	2.0~8.0	330	20	1.5~10.0
310	50	2.0~8.0	320	40	2.0~8.0	330	25	1.5~10.0
						330	28	1.5~10.0
						330	30	2.0~10.0
						330	32	2.0~10.0
						330	35	2.0~10.0
						330	40	2.0~10.0

• Non-standard specifications and grades can be provided upon request.



# CARBIDE STRIPS

## Carbide Strips-SE Type



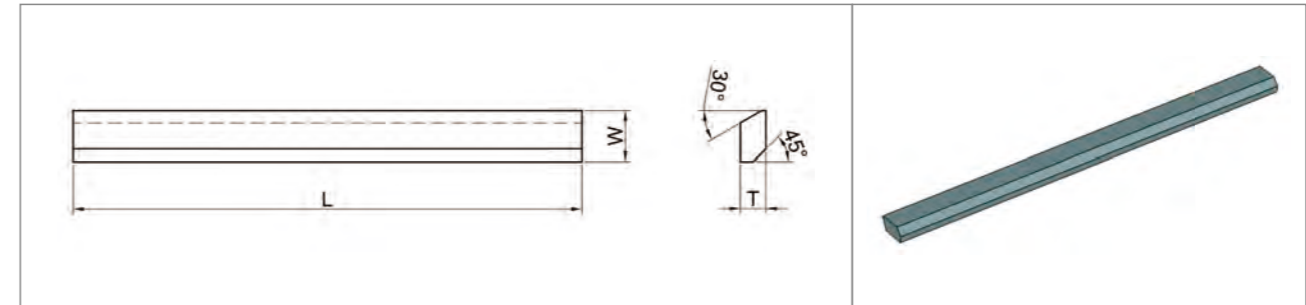
Type	Dimension (mm)		
	L	W	T
SE	310	4	1.5~4.0
SE	310	6	1.5~6.0
SE	310	8	1.5~8.0
SE	310	10	1.5~8.0
SE	310	12	1.5~8.0
SE	310	14	1.5~8.0
SE	310	15	1.5~10.0
SE	310	16	1.5~8.0
SE	310	18	1.5~8.0
SE	310	20	1.5~8.0
SE	310	24	1.5~8.0
SE	310	25	1.5~8.0
SE	310	28	1.5~8.0
SE	310	30	1.5~8.0
SE	310	45	3.0~12.0
SE	310	50	2.0~8.0

Type	Dimension (mm)		
	L	W	T
SE	320	4	1.5~4.0
SE	320	6	1.5~6.0
SE	320	8	1.5~8.0
SE	320	10	1.5~10.0
SE	320	12	1.5~10.0
SE	320	14	1.5~8.0
SE	320	15	1.5~8.0
SE	320	16	1.5~8.0
SE	320	18	1.5~8.0
SE	320	20	1.5~8.0
SE	320	25	1.5~12.0
SE	320	28	1.5~8.0
SE	320	30	1.5~8.0
SE	320	32	2.0~8.0
SE	320	34	2.0~8.0
SE	320	40	2.0~8.0

• Non-standard specifications and grades can be provided upon request.

# CARBIDE STRIPS

## Carbide Strips-SEE Type



Type	Dimension (mm)		
	L	W	T
SEE	310	4	1.5~4.0
SEE	310	6	1.5~6.0
SEE	310	8	1.5~8.0
SEE	310	10	1.5~8.0
SEE	310	12	1.5~8.0
SEE	310	14	1.5~8.0
SEE	310	15	1.5~10.0
SEE	310	16	1.5~8.0
SEE	310	18	1.5~8.0
SEE	310	20	1.5~8.0
SEE	310	24	1.5~8.0
SEE	310	25	1.5~8.0
SEE	310	28	1.5~8.0
SEE	310	30	1.5~8.0
SEE	310	45	3.0~12.0
SEE	310	50	2.0~8.0

Type	Dimension (mm)		
	L	W	T
SEE	320	4	1.5~4.0
SEE	320	6	1.5~6.0
SEE	320	8	1.5~8.0
SEE	320	10	1.5~10.0
SEE	320	12	1.5~10.0
SEE	320	14	1.5~8.0
SEE	320	15	1.5~8.0
SEE	320	16	1.5~8.0
SEE	320	18	1.5~8.0
SEE	320	20	1.5~8.0
SEE	320	25	1.5~12.0
SEE	320	28	1.5~8.0
SEE	320	30	1.5~8.0
SEE	320	32	2.0~8.0
SEE	320	34	2.0~8.0
SEE	320	40	2.0~8.0

• Non-standard specifications and grades can be provided upon request.

# CARBIDE STRIPS

Carbide STB-USA Standard

Type	Dimension (inch)		
	L	W	T
STB212	6"	3/8"	1/16"
STB216	6"	1/2"	1/16"
STB24	6"	1/8"	1/16"
STB26	6"	3/16"	1/16"
STB28	6"	1/4"	1/16"
STB308	6"	1/4"	3/32"
STB310	6"	5/16"	3/32"
STB312	6"	3/8"	3/32"
STB316	6"	1/2"	3/32"
STB320	6"	5/8"	3/32"
STB324	6"	3/4"	3/32"
STB328	6"	7/8"	3/32"
STB332	6"	1"	3/32"
STB336	6"	1~1/8"	3/32"
STB34	6"	1/8"	3/32"
STB340	6"	1~1/4"	3/32"
STB344	6"	1~3/8"	3/32"
STB348	6"	1~1/2"	3/32"
STB356	6"	1~3/4"	3/32"
STB36	6"	3/16"	3/32"
STB38	6"	1/4"	3/32"
STB410	6"	5/16"	1/8"
STB412	6"	3/8"	1/8"
STB416	6"	1/2"	1/8"
STB420	6"	5/8"	1/8"
STB424	6"	3/4"	1/8"
STB428	6"	7/8"	1/8"
STB432	6"	1"	1/8"
STB436	6"	1~1/8"	1/8"
STB448	6"	1~1/2"	1/8"
STB456	6"	1~3/4"	1/8"
STB46	6"	3/16"	1/8"
STB48	6"	1/4"	1/8"
STB512	6"	3/8"	5/32"

Type	Dimension (inch)		
	L	W	T
STB516	6"	1/2"	5/32"
STB520	6"	5/8"	5/32"
STB524	6"	3/4"	5/32"
STB528	6"	7/8"	5/32"
STB532	6"	1"	5/32"
STB540	6"	1~1/4"	5/32"
STB564	6"	2"	5/32"
STB610	6"	5/16"	3/16"
STB612	6"	3/8"	3/16"
STB616	6"	1/2"	3/16"
STB620	6"	5/8"	3/16"
STB624	6"	3/4"	3/16"
STB628	6"	7/8"	3/16"
STB632	6"	1"	3/16"
STB640	6"	1~1/4"	3/16"
STB648	6"	1~1/2"	3/16"
STB68	6"	1/4"	3/16"
STB816	6"	1/2"	1/4"
STB820	6"	5/8"	1/4"
STB824	6"	3/4"	1/4"
STB832	6"	1"	1/4"

# CONSISTENT QUALITY GUARANTEED



Metallographic Microscope (Leica-Germany)



Video Measuring System



Automatic Selecting Machine



SEM Tester (JEOL-Japan)



Hardness Tester (Future Tech-Japan)



Magnetometer

• Non-standard specifications and grades can be provided upon request.