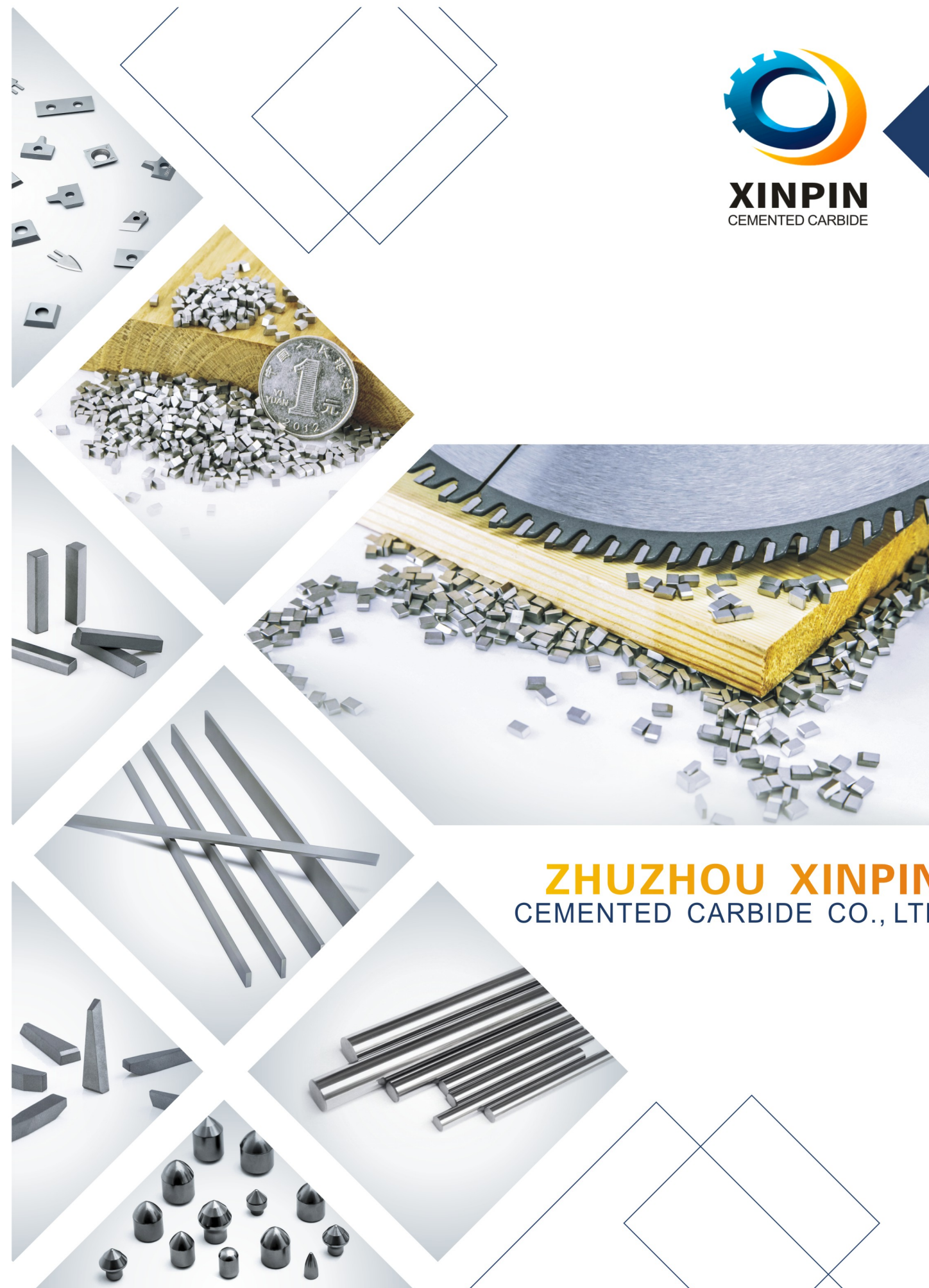




**XINPIN**  
CEMENTED CARBIDE



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## Main Equipment



## About Us

Zhuzhou Xinpin Cemented Carbide Co., Ltd. is located in the beautiful Zhuzhou City, Hunan Province. It is a high-tech enterprise specializing in R&D, production and sales of high-quality cemented carbide materials. We have technical production engineers with more than 20 years working experience, and professional marketing engineers and production management backbone teams.

Zhuzhou Xinpin Cemented Carbide Co., Ltd. has always insist on using high-quality worldwide's raw materials. We introduce advanced production technology, and equipped with complete manufacturing machine and quality testing equipments, and has passed the ISO9001:2008 quality system certification.

"High hardness", "High strength" and "High wear resistance" are our research and development direction. We focus on the research, development and production of small&medium alloy products, and has formed carbide saw tips for circular saw and for band saw, carbide strips, carbide rods, carbide slitting saw and various non-standard special-shaped carbide products. Our products have been well received by customers from all over the world. And received very high reputation from our clients.

We will always insist on "product quality first", continue to optimize and improve, and strive to improve customer satisfaction as its business purpose, and is committed to becoming a well-known cemented carbide manufacturer in the domestic industry.

We look forward to working with you!



# Carbide Saw Tips for Circular Saws

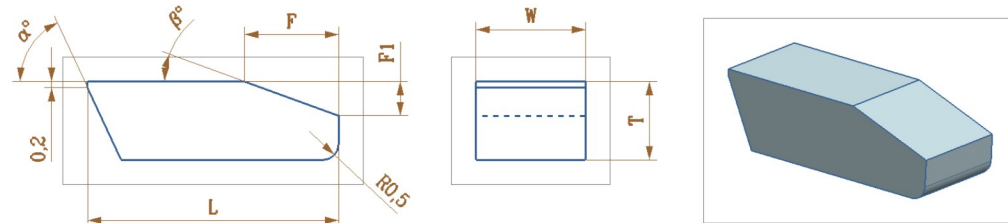


Grade Chart									
Grade	Binder (%)	Grain Size	Density (g/cm <sup>3</sup> )	Hardness (HRA)	T.R.S (MPa)	ISO Standard	Recommended Cutting Application	Recommended Airicular Saw Blade Series	Note
SM02	2.8	Ultrafine	15.0-15.2	94.6	≥2400	K01	Chipboard, MDF, HDF and laminate board etc.	CNC saw, panel sizing saw and scoring saw etc.	HIP-Sintered
SM03	3	Ultrafine	15.0-15.2	94.2	≥2600	K01	For HDF, laminate flooring and aluminium profile.	Panel sizing saw and 45° angle saw etc.	HIP-Sintered
SM05	3.5	Ultrafine	14.9-15.1	93.8	≥3000	K05	For acrylic, bamboo and construction board etc.	Aluminium- cutting saw and accurate-cutting saw.	HIP-Sintered
SM06	4	Submicron	14.9-15.1	93.6	≥3200	K05	For hardwood, solidwood and industrial copper and aluminium profil.	Rip saw and solidwood cutting saw etc.	HIP-Sintered
SM07	4.5	Submicron	14.8-15.0	93.3	≥2800	K05	Plywood, solidwood and non-ferrous metal etc.	Plywood cutting saw, aluminium and copper cutting saw and edge trimming saw etc.	HIP-Sintered
SM09	6	Submicron	14.6-14.8	92.5	≥2600	K10	Solidwood, plastic and asbestos etc.	Solidwood cutting saw and Rock wool saw.	HIP-Sintered
XF5	5	Fine	14.9-15.1	91.5	≥2400	K05	Solidwood, construction board and non-ferrous metal etc.	Rip saw and grooving saw etc.	HIP-Sintered
XF6	6	Fine	14.7-14.9	92.2	≥2600	K10	Solidwood, hardwood and composite wood etc.	Cross cutting saw.	HIP-Sintered
XF8	8	Fine	14.6-14.8	91.8	≥2800	K20	Solidwood and non-ferrous metal etc.	Aluminium cutting saw and grooving saw etc.	HIP-Sintered
XF10	10	Fine	14.3-14.5	91.5	≥3000	K30	Solidwood, hardwood and non-ferrous metal etc.	Aluminium and copper cutting saw.	HIP-Sintered
XK10	6	Medium	14.7-14.9	91.0	≥2300	K10	Solidwood, hardwood etc.	Cross cutting saw.	HIP-Sintered
XK15	6.5	Medium	14.8-15.0	91.2	≥2800	K15	Solidwood and recycle wood.	Rip saw and nail-resistant saw.	HIP-Sintered
XK20	8	Medium	14.6-14.8	90.2	≥2500	K20	Solidwood and non-ferrous metal etc.	Aluminium-cutting saw.	HIP-Sintered
XK30	11	Medium	14.3-14.5	88.0	≥2800	K30	Frozen wood and grass etc.	Solidwood and grass cutting saw etc.	HIP-Sintered
XP30	10	Fine	13.1-13.3	91.5	≥2600	P30	Angle iron and normal steel etc.	Iron-cutting saw.	HIP-Sintered
XP35	10	Fine	12.4-12.6	91.0	≥2600	P40	Color steel tile and stainless steel etc.	Color steel tile cutting saw.	HIP-Sintered
XP40	11	Fine	12.1-12.3	90.5	≥2800	P40	Stainless steel and alloy steel etc.	Steel-cutting saw.	HIP-Sintered



Tolerance of carbide saw tips for circular saw				
Length ( mm )			Width ( mm )	Thickness ( mm )
Length	Range of Width	Tolerance of Length	Tolerance of Width	Tolerance of Thickness
≤5	W ≤ 2	± 0.05	+0.06 -0.04	± 0.05
	2 < W < 3.5	± 0.06		
	3.5 ≤ W ≤ 5	± 0.07		
5 ~ 7	W ≤ 2	± 0.06	+0.08 -0.04	± 0.05
	2 < W < 4	± 0.07		
	4 ≤ W ≤ 6	± 0.08		
7 ~ 9	W ≤ 3	± 0.08	+0.08 -0.04	± 0.06
	3 < W < 5	± 0.10		
	5 ≤ W ≤ 8	± 0.12		
9 ~ 13	W ≤ 3.5	± 0.10	+0.08 -0.04	± 0.06
	3.5 < W < 6	± 0.12		
	6 ≤ W ≤ 10	± 0.15		
13 ~ 17	W ≤ 4	± 0.12	+0.10 -0.05	± 0.07
	4 < W < 7	± 0.15		
	7 ≤ W ≤ 14	± 0.18		
17 ~ 20	W ≤ 4.5	± 0.12	+0.12 -0.06	± 0.08
	4.5 < W < 7	± 0.18		
	7 ≤ W ≤ 15	± 0.20		

## JX Type Saw Tips



Dimension Chart

Type	L	T	F	α °	β °	R
JX4014702010-W	4.0	1.4	1.0	70	20	0.5
JX4215602016-W	4.2	1.5	1.6	60	20	0.5
JX4314602010-W	4.3	1.4	1.0	60	20	0.5
JX4514603010-W	4.5	1.4	1.0	60	30	0.5
JX4515702010-W	4.5	1.5	1.0	70	20	0.5
JX4714602018-W	4.7	1.4	1.8	60	20	0.5
JX4815602011-W	4.8	1.5	1.1	60	20	0.5
JX4818602012-W	4.8	1.8	1.2	60	20	0.5
JX5015622015-W	5.0	1.5	1.5	62	20	0.5
JX5015702014-W	5.0	1.5	1.4	70	20	0.5
JX5016602012-W	5.0	1.6	1.2	60	20	0.5
JX5018702012-W	5.0	1.8	1.2	70	20	0.5
JX5018652018-W	5.0	1.8	1.8	65	20	0.5
JX5020652012-W	5.0	2.0	1.2	65	20	0.5
JX5022652010-W	5.0	2.2	1.0	65	20	0.5
JX5214652514-W	5.2	1.4	1.4	65	25	0.5
JX5216602014-W	5.2	1.6	1.4	60	20	0.5
JX5318602014-W	5.3	1.8	1.4	60	20	0.5
JX5417601822-W	5.4	1.7	2.2	60	18	0.5
JX5417702014-W	5.4	1.7	1.4	70	20	0.5
JX5515602511-W	5.5	1.5	1.1	60	25	0.5
JX5516622511-W	5.5	1.6	1.1	62	25	0.5
JX5517622015-W	5.5	1.7	1.5	62	20	0.5
JX5518603012-W	5.5	1.8	1.2	60	30	0.5
JX5518602014-W	5.5	1.8	1.4	60	20	0.5
JX5518602020-W	5.5	1.8	2.0	60	20	0.5

Type	L	T	F	α °	β °	R
JX5518702018-W	5.5	1.8	1.8	70	20	0.5
JX5520602018-W	5.5	2.0	1.8	60	20	0.5
JX5520712018-W	5.5	2.0	1.8	70	20	0.5
JX5816602014-W	5.8	1.6	1.4	60	20	0.5
JX5818602016-W	5.8	1.8	1.6	60	20	0.5
JX5818603012-W	5.8	1.8	1.2	60	30	0.5
JX5820602014-W	5.8	2.0	1.4	60	20	0.5
JX5820712014-W	5.8	2.0	1.4	71	20	0.5
JX5821602014-W	5.8	2.1	1.4	60	20	0.5
JX6018602018-W	6.0	1.8	1.8	60	20	0.5
JX6020602015-W	6.0	2.0	1.5	60	20	0.5
JX6020602020-W	6.0	2.0	2.0	60	20	0.5
JX6020702019-W	6.0	2.0	1.9	70	20	0.5
JX6022602018-W	6.0	2.2	1.8	60	20	0.5
JX6022602020-W	6.0	2.2	2.0	60	20	0.5
JX6024602020-W	6.0	2.4	2.0	60	20	0.5
JX6320602020-W	6.3	2.0	2.0	60	20	0.5
JX6322602020-W	6.3	2.2	2.0	60	20	0.5
JX6518602014-W	6.5	1.8	1.4	60	20	0.5
JX6518602020-W	6.5	1.8	2.0	60	20	0.5
JX6519654507-W	6.5	1.9	0.7	65	45	0.5
JX6520602020-W	6.5	2.0	2.0	60	20	0.5
JX6520602516-W	6.5	2.0	1.6	60	25	0.5
JX6520652618-W	6.5	2.0	1.8	65	26	0.5
JX6520653615-W	6.5	2.0	1.5	65	36	0.5
JX6520702019-W	6.5	2.0	1.9	70	20	0.5
JX6520702011-W	6.5	2.0	1.1	70	20	0.5
JX6522602516-W	6.5	2.2	1.6	60	25	0.5
JX6522712020-W	6.5	2.2	2.0	71	20	0.5
JX6525602022-W	6.5	2.5	2.2	60	20	0.5
JX6818602021-W	6.8	1.8	2.1	60	20	0.5
JX6820652020-W	6.8	2.0	2.0	65	20	0.5
JX6821603012-W	6.8	2.1	1.2	60	30	0.5
JX6822702020-W	6.8	2.2	2.0	70	20	0.5
JX7018602016-W	7.0	1.8	1.6	60	20	0.5
JX7020602025-W	7.0	2.0	2.5	60	20	0.5
JX7021602020-W	7.0	2.1	2.0	60	20	0.5
JX7021702019-W	7.0	2.1	1.9	70	20	0.5
JX7022603016-W	7.0	2.2	1.6	60	30	0.5
JX7022652022-W	7.0	2.2	2.2	65	20	0.5
JX7023752718-W	7.0	2.3	1.8	75	27	0.5
JX7025602020-W	7.0	2.5	2.0	60	20	0.5
JX7025602028-W	7.0	2.5	2.8	60	20	0.5
JX7025602220-W	7.0	2.5	2.0	60	22	0.5

### Dimension Chart

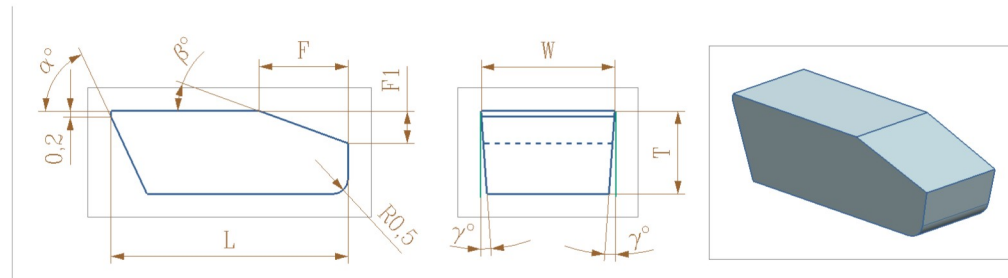
Type	L	T	F	$\alpha^\circ$	$\beta^\circ$	R
JX7025652220-W	7.0	2.5	2.0	65	22	0.5
JX7025752028-W	7.0	2.5	2.8	75	20	0.5
JX7025753118-W	7.0	2.5	1.8	75	31	0.5
JX7028602020-W	7.0	2.8	2.0	60	20	0.5
JX7030602020-W	7.0	3.0	2.0	60	20	0.5
JX7223602528-W	7.2	2.3	2.8	60	25	0.5
JX7520602026-W	7.5	2.0	2.6	60	20	0.5
JX7522603020-W	7.5	2.2	2.0	60	30	0.5
JX7523602525-W	7.5	2.3	2.5	60	25	0.5
JX7523603012-W	7.5	2.3	1.2	60	30	0.5
JX7523752420-W	7.5	2.3	2.0	75	24	0.5
JX7525603025-W	7.5	2.5	2.5	60	30	0.5
JX7525602020-W	7.5	2.5	2.0	60	20	0.5
JX7528602030-W	8.0	2.8	3.0	60	20	0.5
JX7528602030-W	8.0	2.8	3.0	60	20	0.5
JE7528602030-W	8.0	2.8	3.0	60	20	0.5
JX7530602025-W	7.5	3.0	2.5	60	20	0.5
JX8023603012-W	8.0	2.3	1.2	60	30	0.5
JX8023752222-W	8.0	2.3	2.2	75	22	0.5
JX8025652030-W	8.0	2.5	3.0	65	20	0.5
JX8025752722-W	8.0	2.5	2.2	75	27	0.5
JX8025602030-W	8.0	2.5	3.0	60	20	0.5
JX8025623416-W	8.0	2.5	1.6	62	34	0.5
JX8027702030-W	8.0	2.7	3.0	70	20	0.5
JX8028602030-W	8.0	2.8	3.0	60	20	0.5
JX8028652030-W	8.0	2.8	3.0	65	20	0.5
JX8028702030-W	8.0	2.8	3.0	70	20	0.5
JX8030602024-W	8.0	3.0	2.4	60	20	0.5
JX8030652024-W	8.0	3.0	2.4	60	20	0.5
JX8522602028-W	8.5	2.2	2.5	60	20	0.5
JX8525602028-W	8.5	2.5	2.8	60	20	0.5
JE8525602028-W	8.5	2.5	2.8	60	20	0.5
JE8525602028-W	8.5	2.5	2.8	60	20	0.5
JX8525753007-W	8.5	2.5	0.7	75	30	0.5
JX8527602033-W	8.5	2.7	3.3	60	20	0.5
JX8528652030-W	8.5	2.8	3.0	65	20	0.5
JX8530602028-W	8.5	3.0	2.8	60	20	0.5
JX9025603020-W	9.0	2.5	2.0	60	30	0.5
JX9025602030-W	9.0	2.5	3.0	60	30	0.5
JX9028652030-W	9.0	2.8	3.0	65	20	0.5
JX9030603026-W	9.0	3.0	2.6	60	30	0.5
JX9030602030-W	9.0	3.0	3.0	60	20	0.5

Type	L	T	F	$\alpha^\circ$	$\beta^\circ$	R
JX9038603028-W	9.0	3.8	2.8	60	30	0.5
JX9525603020-W	9.5	2.5	2.0	60	30	0.5
JX9528602030-W	9.5	2.8	3.0	60	20	0.5
JX9530602030-W	9.5	3.0	3.0	60	20	0.5
JX9530652030-W	9.5	3.0	3.0	65	20	0.5
JX10025602030-W	10.0	2.5	3.0	60	20	0.5
JX10028602030-W	10.0	2.8	3.0	60	20	0.5
JX10030653030-W	10.0	3.0	3.0	65	30	0.5
JX10030603030-W	10.0	3.0	3.0	60	30	0.5
JX10030602030-W	10.0	3.0	3.0	60	20	0.5
JX10522602030-W	10.5	2.2	3.0	60	20	0.5
JX10525603020-W	10.5	2.5	2.0	60	30	0.5
JX10528602035-W	10.5	2.8	3.5	60	20	0.5
JX10530602033-W	10.5	3.0	3.3	60	20	0.9
JX10530602033-W	10.5	3.0	3.3	60	20	0.5
JX10535602040-W	10.5	3.5	4.0	60	20	0.5
JX10535603026-W	10.5	3.5	2.6	60	30	0.5
JX10535602040-W	10.5	3.5	4.0	60	20	0.5
JX10540602030-W	10.5	4.0	3.0	60	20	0.5
JX12032603026-W	12.0	3.2	2.6	60	30	0.5
JX12035703026-W	12.0	3.5	2.6	70	30	0.5
JX12040654520-W	12.0	4.0	2.0	65	45	0.5
JX13040602040-W	13.0	4.0	4.0	60	20	0.5
JX15030602035-W	15.0	3.0	3.5	60	20	0.5
JX18040602035-W	18.0	4.0	3.5	60	20	0.5

Note: Customized dimension is also welcomed.



## JE Type Saw Tips



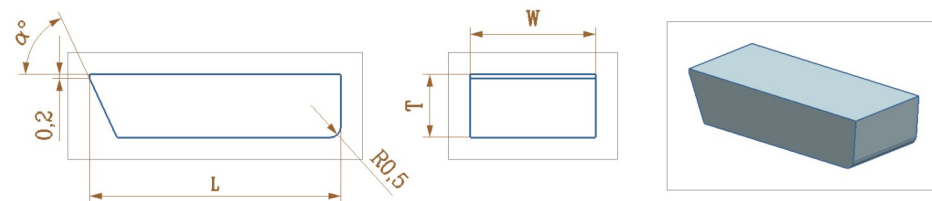
Dimension Chart

Type	L	T	L1	$\alpha^\circ$	$\beta^\circ$	$\gamma^\circ$	R
JE5016652215-W	5.0	1.6	1.5	65	22	4	0.5
JE6018602520-W	6.0	1.8	2.0	60	25	4	0.5
JE6020602020-W	6.0	2.0	2.0	60	20	4	0.5
JE6518602625-W	6.5	1.8	2.5	60	26	4	0.5
JE6520602525-W	6.5	2.0	2.5	60	25	4	0.5
JE6520652618-W	6.5	2.0	1.8	65	26	4	0.5
JE6520602925-W	6.5	2.0	2.5	60	29	4	0.5
JE6520602925-W	6.5	2.0	2.5	60	29	4	0.5
JE6521602525-W	6.5	2.1	2.5	60	25	4	0.5
JE6522602516-W	6.5	2.2	1.6	60	25	4	0.5
JE6621653615-W	6.6	2.1	1.5	65	36	4	0.5
JE6721653615-W	6.7	2.1	1.5	65	36	4	0.5
JE7020602025-W	7.0	2.0	2.5	60	20	4	0.5
JE7022603016-W	7.0	2.2	1.6	60	30	4	0.5
JE7022652028-W	7.0	2.2	2.8	65	20	4	0.5
JE7023752718-W	7.0	2.3	1.8	75	27	4	0.5
JE7025602020-W	7.0	2.5	2.0	60	20	4	0.5
JE7025602028-W	7.0	2.5	2.8	60	20	4	0.5
JE7025752028-W	7.0	2.5	2.8	75	20	4	0.5
JE7525602030-W	7.5	2.5	3.0	60	20	4	0.5
JE7528602030-W	8.0	2.8	3.0	60	20	4	0.5
JE8022602132-W	8.0	2.2	3.2	60	21	4	0.5
JE8023652025-W	8.0	2.3	2.5	65	20	4	0.5
JE8025652030-W	8.0	2.5	3.0	65	20	4	0.5
JE8025752722-W	8.0	2.5	2.2	75	27	4	0.5
JE8025602232-W	8.0	2.5	3.2	60	22	4	0.5
JE8025602030-W	8.0	2.5	3.0	60	20	4	0.5
JE8025602030-W	8.0	2.5	3.0	60	20	4	0.5
JE8125653019-W	8.1	2.5	2.4	65	20	4	0.5
JE8523632025-W	8.5	2.3	2.5	63	20	4	0.5
JE8525602028-W	8.5	2.5	2.8	60	20	4	0.5

Type	L	T	L1	$\alpha^\circ$	$\beta^\circ$	$\gamma^\circ$	R
JE8525602028-W	8.5	2.5	2.8	60	20	4	0.5
JE8525602028-W	8.5	2.5	2.8	60	20	4	0.5
JE8528602235-W	8.5	2.8	3.5	60	22	4	0.5
JE8528652030-W	8.5	2.8	3.0	65	20	4	0.5
JE8530602028-W	8.5	3.0	2.8	60	20	4	0.5
JE9025603020-W	9.0	2.5	2.0	60	30	4	0.5
JE9025602030-W	9.0	2.5	3.0	60	30	4	0.5
JE9027603020-W	9.0	2.7	2.0	60	30	4	0.5
JE9027622034-W	9.0	2.7	3.4	62	20	4	0.5
JE9028602030-W	9.0	2.8	3.0	60	20	4	0.5
JE9030652035-W	9.0	3.0	3.5	65	20	4	0.5
JE9032602030-W	9.0	3.2	3.0	60	20	4	0.5
JE9228602034-W	9.2	2.8	3.4	60	20	4	0.5
JE9525603020-W	9.5	2.5	2.0	60	30	4	0.5
JE9528602030-W	9.5	2.8	3.0	60	20	4	0.5
JE9530602030-W	9.5	3.0	3.0	60	20	4	0.5
JE9530603030-W	9.5	3.0	3.0	60	30	4	0.5
JE9622602132-W	9.6	2.2	3.2	60	21	4	0.5
JE9625602035-W	9.6	2.5	3.5	60	20	4	0.5
JE9632601935-W	9.6	3.2	3.5	60	19	4	0.5
JE9635602335-W	9.6	3.5	3.5	60	23	4	0.5
JE9635602335-W	9.6	3.5	3.5	60	23	4	0.5
JE10030602030-W	10.0	3.0	3.0	60	20	4	0.5
JE10525602335-W	10.5	2.5	3.5	60	23	4	0.5
JE10525603020-W	10.5	2.5	2.0	60	30	4	0.5
JE10530602033-W	10.5	3.0	3.3	60	20	4	0.5
JE10530602536-W	10.5	3.0	3.6	60	25	4	0.5
JE10531652030-W	10.5	3.1	3.0	65	20	4	0.5
JE10532601935-W	10.5	3.2	3.5	60	19	4	0.5
JE10532652540-W	10.5	3.2	4.0	65	25	4	0.5
JE10535602335-W	10.5	3.5	3.5	60	23	4	0.5
JE10535603026-W	10.5	3.5	2.6	60	30	4	0.5
JE10535603026-W	10.5	3.5	2.6	60	30	4	0.5
JE10540602445-W	10.5	4.0	4.5	60	24	4	0.5
JE10731652536-W	10.7	3.1	3.6	65	25	4	0.5
JE12040603035-W	12.0	4.0	3.5	60	30	4	0.5
JE12040602347-W	12.0	4.0	4.7	60	23	4	0.5
JE12540603035-W	12.5	4.0	3.5	60	30	4	0.5
JE13022601540-W	13.0	2.2	4.0	60	15	4	0.5
JE13032601540-W	13.0	3.2	4.0	60	15	4	0.5
JE13035601540-W	13.0	3.5	4.0	60	15	4	0.5
JE13040602040-W	13.0	4.0	4.0	60	20	4	0.5
JE13040602250-W	13.0	4.0	5.0	60	22	4	0.5
JE13040604515-W	13.0	4.0	1.5	60	45	4	0.5
JE13535602040-W	13.5	3.5	4.0	60	20	4	0.5
JE14550603033-W	14.5	5.0	3.3	60	30	4	0.5
JE15242602156-W	15.2	4.2	5.6	60	21	4	0.5
JE17050603033-W	17.0	5.0	3.3	60	30	4	0.5
JE19050603040-W	19.0	5.0	4.0	60	30	4	0.5

Note: Customized dimension is also welcomed.

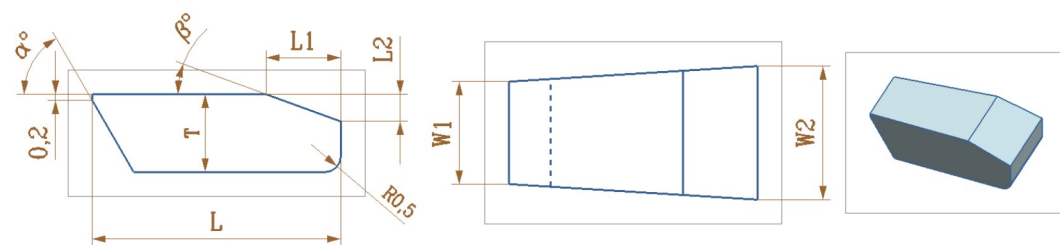
### JP Type Saw Tips



Dimension Chart				
Type	L	T	$\alpha^\circ$	R
JP502080-W	5.0	2.0	80	0.5
JP502075-W	5.0	2.0	75	0.5
JP502580-W	5.0	2.5	80	0.5
JP552580-W	5.5	2.5	80	0.5
JP602882-W	6.0	2.8	82	0.5
JP653082-W	6.5	3.0	82	0.5
JP702582-W	7.0	2.5	82	0.5
JP803065-W	8.0	3.0	65	0.5
JP1003065-W	10.0	3.0	65	0.5
JP1003080-W	10.0	3.0	80	0.5
JP1003260-W	10.0	3.2	60	0.5
JP1053072-W	10.5	3.0	72	0.5
JP1053562-W	10.5	3.5	62	0.5
JP1064082-W	10.6	4.0	82	0.5
JP1203065-W	12.0	3.0	65	0.5
JP1204082-W	12.0	4.0	82	0.5
JP1403070-W	14.0	3.0	70	0.5
JP1503065-W	15.0	3.0	65	0.5
JP1504082-W	15.0	4.0	82	0.5

Note: Customized dimension is also welcomed.

### JV Type Saw Tips

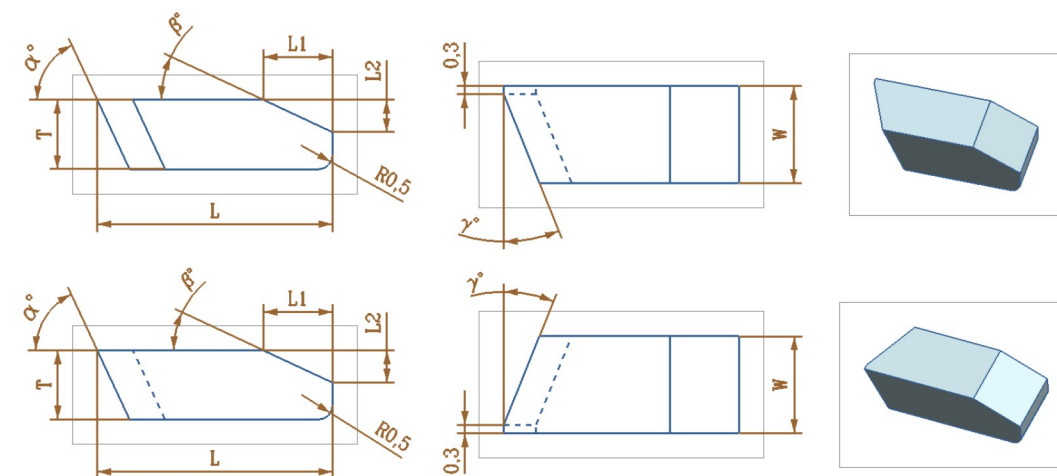


### Dimension Chart

Type	L	T	$\alpha^\circ$	$\beta^\circ$	L1	R	W1	W2
JV8025652025-W1/W2	8.0	2.5	65	20	2.5	0.5		
JV8030602024-W1/W2	8.0	3.0	60	20	2.4	0.5		
JV8525652025-W1/W2	8.5	2.5	65	20	2.5	0.5		
JV8528652025-W1/W2	8.5	2.8	65	20	2.5	0.5		
JV9030603026-W1/W2	9.0	3.0	60	30	2.6	0.5		

Note:  $W2=W1+1$  (mm), Customized dimension is also welcomed.

### JU Type Saw Tips



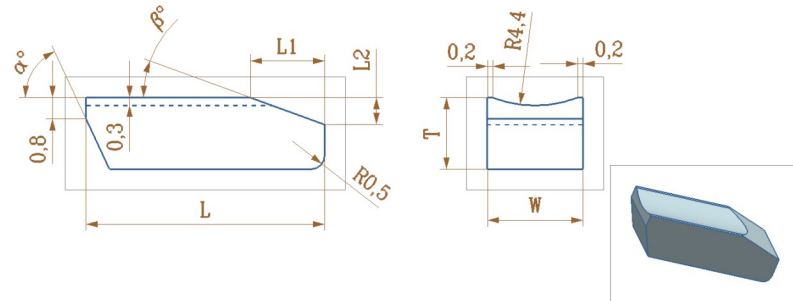
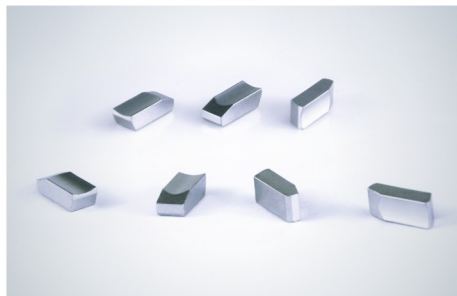
### Dimension Chart

Type	L	T	$\alpha^\circ$	$\beta^\circ$	$\gamma^\circ$	L1	L2	R	W	Angle type
JU7525602020L-3.5	7.5	2.5	60	20	20	2.0	0.7	0.5	3.5	L
JU7525602020R-3.5	7.5	2.5	60	20	20	2.0	0.7	0.5	3.5	R
JU8025602020L-3.5	8.0	2.5	60	20	20	2.0	0.7	0.5	3.5	L
JU8025602020R-3.5	8.0	2.5	60	20	20	2.0	0.7	0.5	3.5	R
JU8525602020L-3.5	8.5	2.5	60	20	20	2.0	0.7	0.5	3.5	L
JU8525602020R-3.5	8.5	2.5	60	20	20	2.0	0.7	0.5	3.5	R
JU9025602020L-3.5	9.0	2.5	60	20	20	2.0	0.7	0.5	3.5	L
JU9025602020R-3.5	9.0	2.5	60	20	20	2.0	0.7	0.5	3.5	R

Note: Customized dimension is also welcomed.



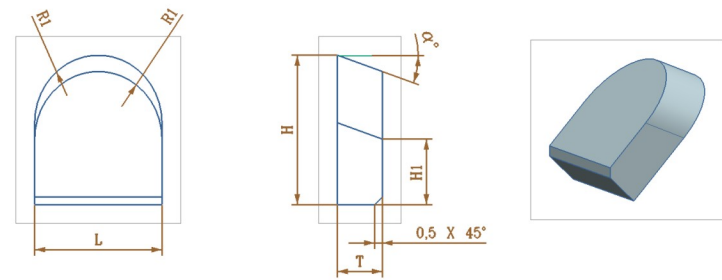
### JZ Type Saw Tips



Dimension Chart								
Type	L	T	$\alpha^\circ$	$\beta^\circ$	L1	L2	R	W
JZ7027652028-3.6	7.0	2.7	65	20	2.8	1.0	0.5	3.6
JZ7527652028-3.6	7.5	2.7	65	20	2.8	1.0	0.5	3.6
JZ8027652028-3.6	8.0	2.7	65	20	2.8	1.0	0.5	3.6
JZ8527652028-3.6	8.5	2.7	65	20	2.8	1.0	0.5	3.6
JZ9027652028-3.6	9.0	2.7	65	20	2.8	1.0	0.5	3.6
JZ9527652028-3.6	9.5	2.7	65	20	2.8	1.0	0.5	3.6
JZ10027652028-3.6	10.0	2.7	65	20	2.8	1.0	0.5	3.6

Note: Length is adjustable, width and thickness are immutable, customized dimension is also welcomed.

### ZC Type Saw Tips

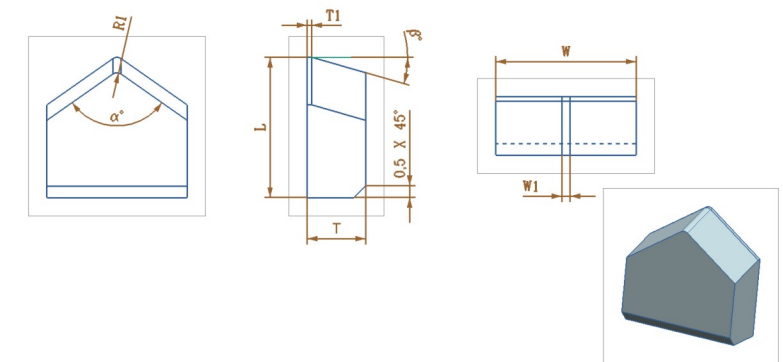
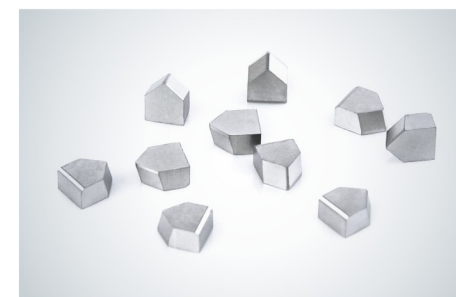


### Dimension Chart

Type	L	H	T	$\alpha^\circ$	H1	R1
ZC80	8.0	8.0	3.0	20		4.0
ZC85	8.5	10.0	3.0	20		4.2
ZC100	10.0	10.0	3.5	20		5.0
ZC120	12.0	12.0	4.0	20		6.0
ZC140	14.0	14.0	4.0	20		6.0
ZC160	16.0	16.0	4.5	20		8.0
ZC180	18.0	16.0	5.0	20		10.0
ZC200	20.0	16.0	5.0	20		12.5

Note: Height is adjustable, length and thickness are immutable, customized dimension is also welcomed.

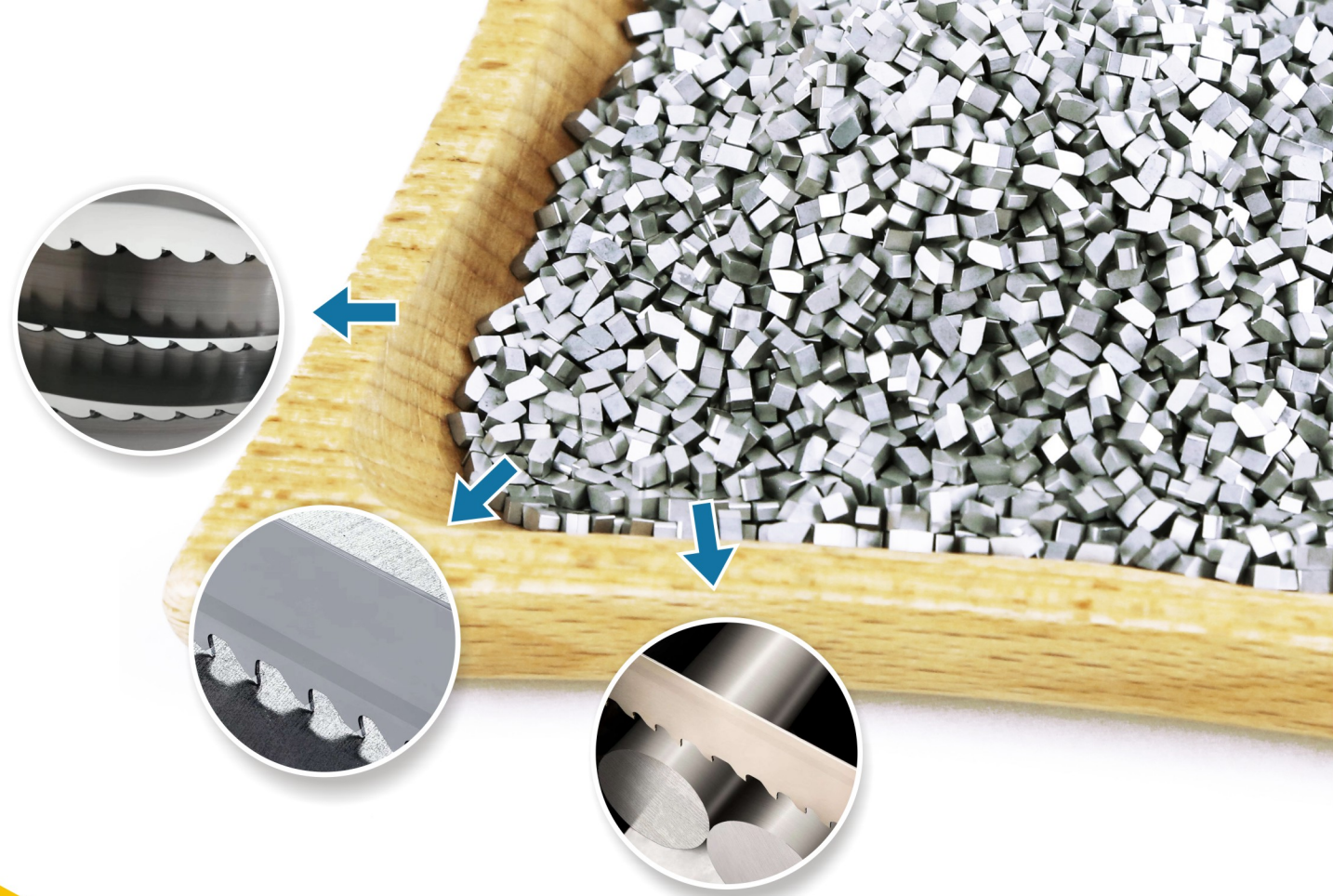
### ZT Type Saw Tips



### Dimension Chart

Type	W	H	T	$\alpha^\circ$	$\beta^\circ$	T1	R1	W1
ZT04	4.0	8.0	3.0	110	20	0.2	1.0	1.0
ZT06	6.0	8.0	3.0	110	20	0.2	1.0	1.0
ZT08	8.0	8.0	3.0	110	20	0.2	1.0	1.0
ZT10	10.0	9.0	3.0	110	20	0.2	1.0	1.0
ZT12	12.0	9.0	3.0	110	20	0.2	1.0	1.0

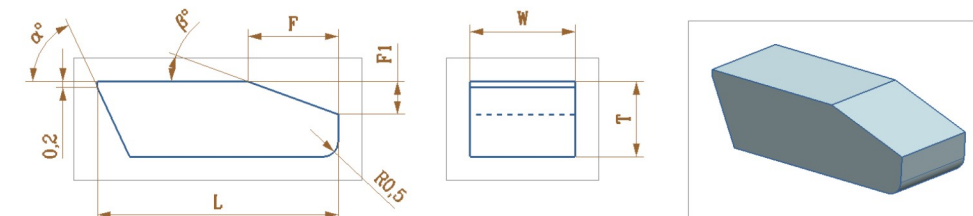
Note: Length is adjustable, width and thickness are immutable, customized dimension is also welcomed.



## Carbide Saw Tips for Band Saws

Grade Chart									
Grade	Binder (%)	Grain Size	Density (g/cm <sup>3</sup> )	Hardness (HRA)	T.R.S (MPa)	ISO Standard	Recommended cutting application	Recommended band saw blade series	Note
SM05	3.5	Ultrafine	14.9-15.1	93.8	≥3000	K05	For all precious valuable wood etc.	For horizontal carbide band saw, vertical carbide bandsaw and frame saw all with the kerf > 1.6mm.	HIP-Sintered
SM06	4	Submicron	14.9-15.1	93.6	≥3200	K05	For all rosewood, mahogany, ebony etc.	For horizontal carbide band saw, and frame saw all with the kerf > 1.4mm.	HIP-Sintered
SM07	4.5	Submicron	14.8-15.0	93.3	≥2800	K05	For solidwood, bamboo plywood, industrial copper and aluminum etc.	For vertical carbide band saw, and frame saw all with the kerf < 1.4mm.	HIP-Sintered
SM09	6	Submicron	14.6-14.8	92.5	≥2600	K10	For Pine, fir plants and solidwood etc.	For industrial quality band saw.	HIP-Sintered
XK10	6	Medium	14.7-14.9	91.0	≥2300	K10	For old recycle wood, softwood and rock wool board etc.	For normal quality band saw.	HIP-Sintered
SM10	10	Submicron	14.2-14.4	91.5	≥3000	K30	For solidwood, PVC and non-ferrous metal etc.	For Brazeless band saw.	HIP-Sintered
SM12	10	Submicron	14.1-14.3	91.8	≥3000	M20	For solidwood, carbon steel and stainless steel.	For Brazeless band saw.	HIP-Sintered

## Carbide Square Saw Tips

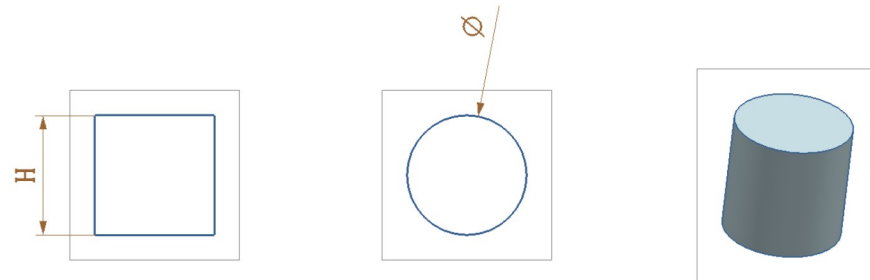


Dimension Chart						
Type	L	T	F	α °	β °	R
JX3018601710-W	3	1.8	1	60	17	0.5
JX3318652010-W	3.3	1.8	1	65	20	0.5
JX3320652010-W	3.3	2	1	65	20	0.5
JX3323652010-W	3.3	2.3	1	65	20	0.5
JX3419652010-W	3.4	1.9	1	65	20	0.5
JX3518652010-W	3.5	1.8	1	65	20	0.5
JX3520652010-W	3.5	2	1	65	20	0.5
JX4020652010-W	4	2	1	65	20	0.5
JX4025612010-W	4	2.5	1	61	20	0.5
JX4520652010-W	4.5	2	1	65	20	0.5
JX5022652010-W	5	2.2	1	65	20	0.5

Note: Customized dimension is also welcomed.

Tolerance for Square Carbide Saw Tips				
Length ( mm )		Width ( mm )		Thickness ( mm )
Length	Range of Width	Tolerance of Length	Tolerance of Width	Tolerance of Thickness
≤5	W ≤ 2	± 0.03	+0.04 -0.02	± 0.03
	2 < W < 3.5	± 0.05		

## Carbide Cylindrical Saw Tips

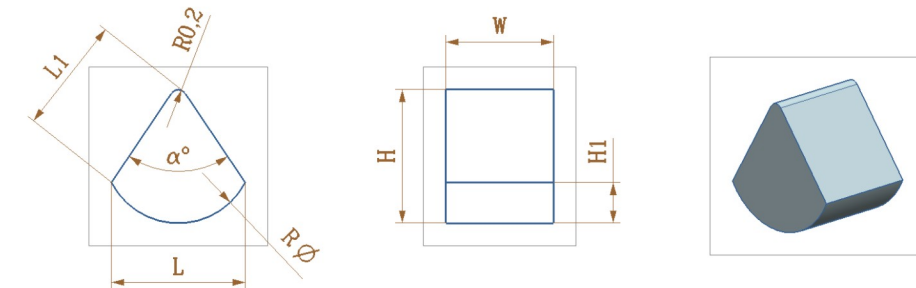


Dimension Chart	
Diameter ( mm )	Height ( mm )
1.6	
1.8	
2.0	
2.2	
2.5	
2.8	
3.0	

Note : Height is adjustable.



## Carbide Fan-shaped Saw Tips



Dimension Chart						
Type	L	H	$\alpha^\circ$	L1	H1	R
Z2.2	2.3	2.2	65	2.0	0.6	1.4
Z2.5	2.6	2.5	80	2.0	1.1	1.3
Z3.0	2.7	3.0	65	2.5	0.9	1.5

Note: Customized dimension is also welcomed.

Tolerance for Carbide Fan-shaped Saw Tips		
Diameter ( mm )	Tolerance of Diameter	Tolerance of Height
$\leq 3$	$\pm 0.03$	+0.04 -0.02



Tolerance for Cylindrical Saw Tips		
Diameter ( mm )	Tolerance of Diameter	Tolerance of Height
$\leq 3$	$\pm 0.03$	+0.04 -0.02

# Carbide Wood Working Strips

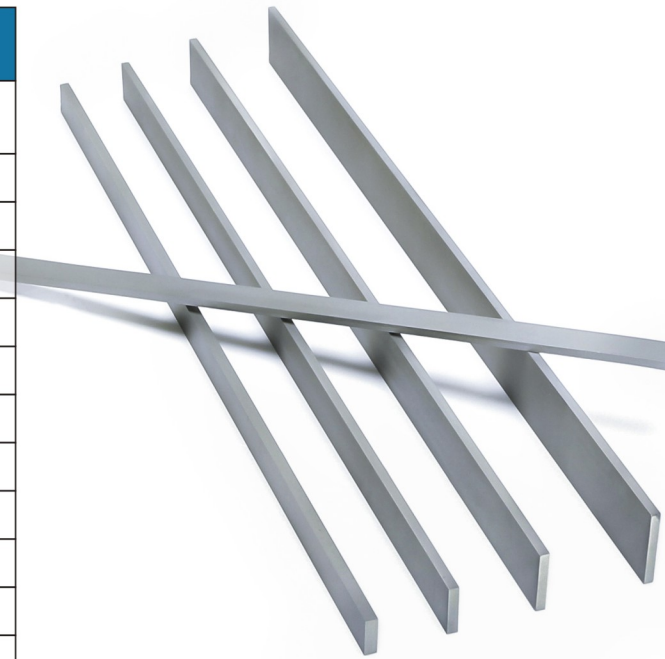
Grade Chart							
Grade	Binder (%)	Density (g/cm <sup>3</sup> )	Hardness (HRA)	T.R.S (MPa)	ISO Standard	Recommended Cutting Application	Note
SM09	6	14.6-14.8	92.5	≥2600	K10	Solidwood, plastic, glass and MDF,HDF etc.	HIP-Sintered
SM10	10	14.2-14.4	91.5	≥3000	K30	Solidwood, hardwood and non-ferrous metal etc.	HIP-Sintered
XK10	6	14.7-14.9	91.0	≥2300	K10	Solidwood, hardwood and non-ferrous metal etc.	HIP-Sintered
XK20	8	14.6-14.8	90.2	≥2500	K20	Solidwood and non-ferrous metal etc.	HIP-Sintered

Dimension Chart for Carbide Blanks		
Length ( mm )	Height ( mm )	Thickness ( mm )
100	100	3.0-6.0
150	70	3.0-10.0
150	100	3.0-10.0
150	150	3.0-10.0
200	150	3.0-10.0
200	200	3.0-10.0

Note: Customized dimension is also welcomed.



Dimension Chart		
Length ( mm )	Height ( mm )	Thickness ( mm )
330/320	6	2.0-6.0
330/320	8	2.0-6.0
330/320	9	2.0-6.0
330/320	10	2.0-6.0
330/320	12	2.0-6.0
330/320	13	2.0-6.0
330/320	14	2.0-6.0
330/320	15	2.0-6.0
330/320	16	2.0-6.0
330/320	18	2.0-6.0
330/320	20	2.0-6.0
330/320	22	2.0-6.0
330/320	25	2.0-6.0
330/320	30	2.0-6.0
330/320	40	2.0-6.0



Dimension Chart for Carbide Strobe Blanks		
Length ( mm )	Height ( mm )	Thickness ( mm )
10	1.8/2.0	1.0-6.0
15	1.8	1.0-6.0
20	1.8/2.0	1.0-6.0
25	2	1.0-6.0
30	1.8/2/2.5	1.0-6.0
35	2/2.5	1.0-6.0
40	2/2.5	1.0-6.0
45	2/2.5	1.0-6.0
50	2/2.5	1.0-6.0
55	2.5	1.0-6.0
60	2/2.5/3	1.0-6.0

Note: Customized dimension is also welcomed.



Note: Customized dimension is also welcomed.

## Tolerance for Carbide Strips

### Tolerance of length

Unit: mm

Dimension of Length	≤25	> 25~50	> 50~100	> 100
Tolerance +2%	+0.50	+1.00	+2.00	+ ( L×2% )
	-0.00	-0.00	-0.00	-0.00

### Tolerance of height

Unit: mm

Tolerance of Height	≤10.0	> 10.0~20.0	> 20.0~30.0	> 30.0~40.0	> 40
Tolerance +2%	+0.30	+0.40	+0.50	+0.60	+1.00
	-0.00	-0.00	-0.00	-0.00	-0.00

### Tolerance of thickness

Unit: mm

Tolerance of Thickness	≤1.0	> 1.0~2.0	> 2.0~3.0	> 3.0
Tolerance +2%	+0.15	+0.20	+0.20	+0.25
	-0.00	-0.00	-0.05	-0.05

Note : length < 100mm, tolerance of thickness is +0.2.

### Tolerance of bending

Unit: mm

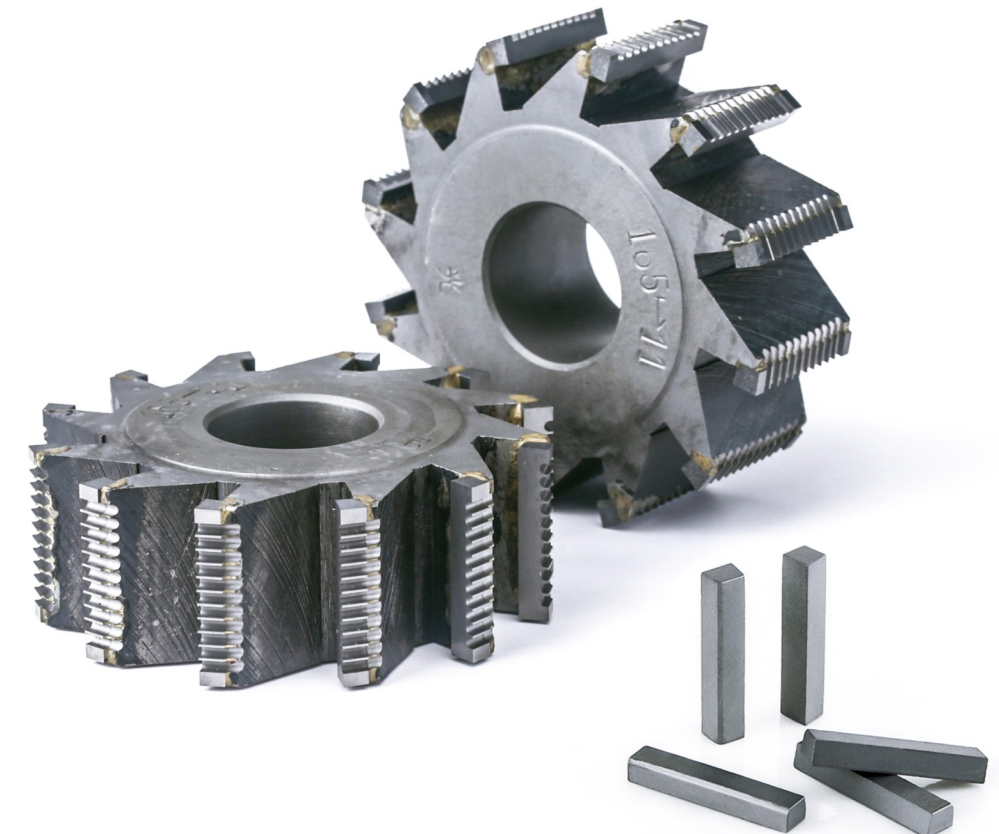
Dimension of Thickness	≤1.0	> 1.0~2.0	> 2.0~3.0	> 3.0
Tolerance +2%	+0.15	+0.20	+0.20	+0.25
	-0.00	-0.00	-0.05	-0.05

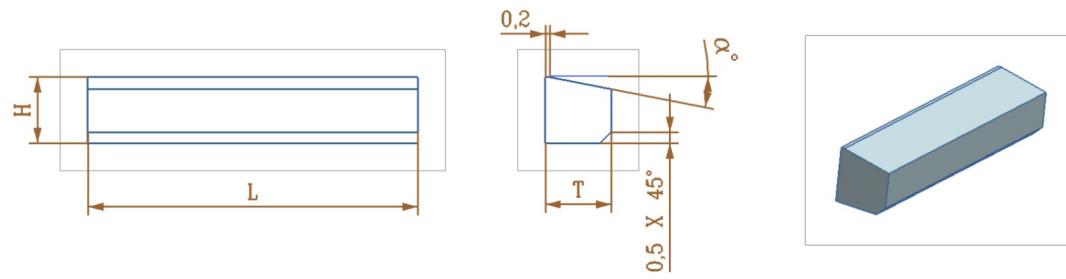
## Carbide Tips for Bamboo Cutter & Finger Joint Cutter



### Grade Chart

Grade	Binder (%)	Density (g/cm <sup>3</sup> )	Hardness (HRA)	T.R.S (MPa)	ISO Standard	Recommended Cutting Application	Note
SM06	4	14.9-15.1	93.6	≥3200	K05	Hardwood, fine board and MDF etc.	HIP-Sintered
SM07	4.5	14.8-15.0	93.3	≥2800	K05	Plywood, solidwood and non-ferrous metal etc.	HIP-Sintered
SM09	6	14.6-14.8	92.5	≥2600	K10	Solidwood and hardwood etc.	HIP-Sintered
SM10	10	14.2-14.4	91.5	≥3000	K30	Plywood, solidwood and non-ferrous metal etc.	HIP-Sintered
XK10	6	14.7-14.9	91.0	≥2300	K10	Solidwood and hardwood etc.	HIP-Sintered
XK20	8	14.6-14.8	90.2	≥2500	K20	Solidwood and non-ferrous metal etc.	HIP-Sintered

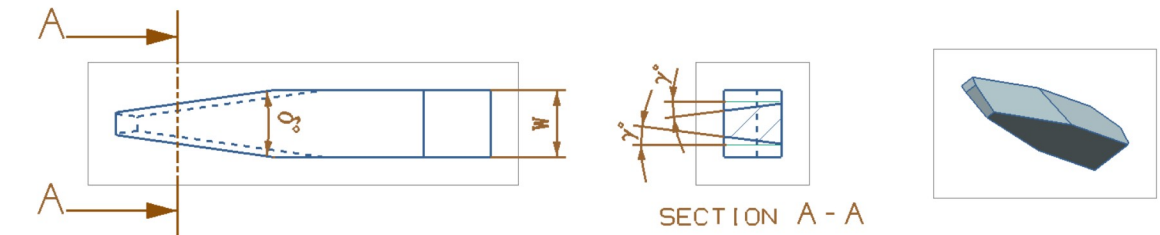
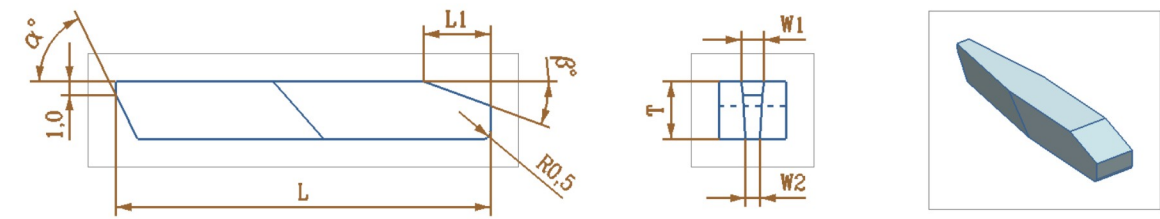




**Dimension Chart for Carbide Cips For Bamboo Cutters**

Type	L	H	T	$\alpha^\circ$
Y25035-H	25.0		3.5	12
Y25045-H	25.0		4.5	12
Y26045-H	26.0		4.5	12
Y26535-H	26.5		3.5	12
Y26537-H	26.5		3.7	12
Y27035-H	27.0		3.5	12
Y35035-H	35.0		3.5	12
Y35538-H	35.5		3.8	12

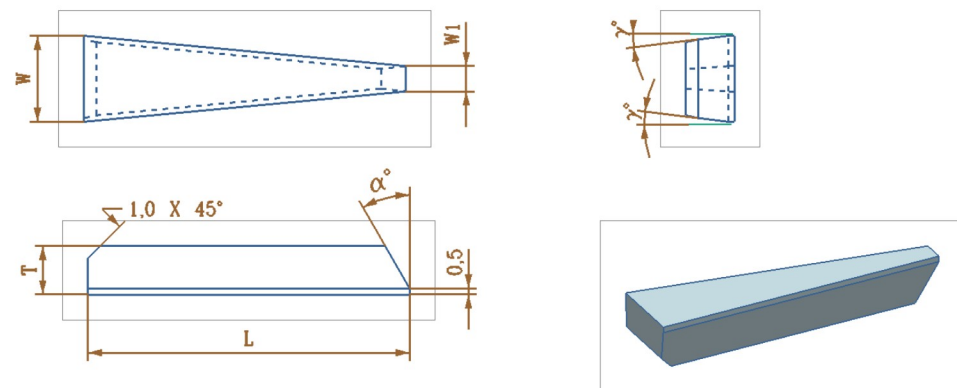
Note: Height is adjustable, Customized dimension is also welcomed.



**Dimension Chart B for Carbide Tips for Finger Joint Cutters**

Type	L	W	T	$\alpha^\circ$	$\beta^\circ$	$\gamma^\circ$	$\delta^\circ$	W1	W2
ZJD23040-W	23.0	4.3	4.0	18	30	7	12	1.3	
ZJD28543-W	28.5	5.0	4.3	30	22	7	16	1.7	

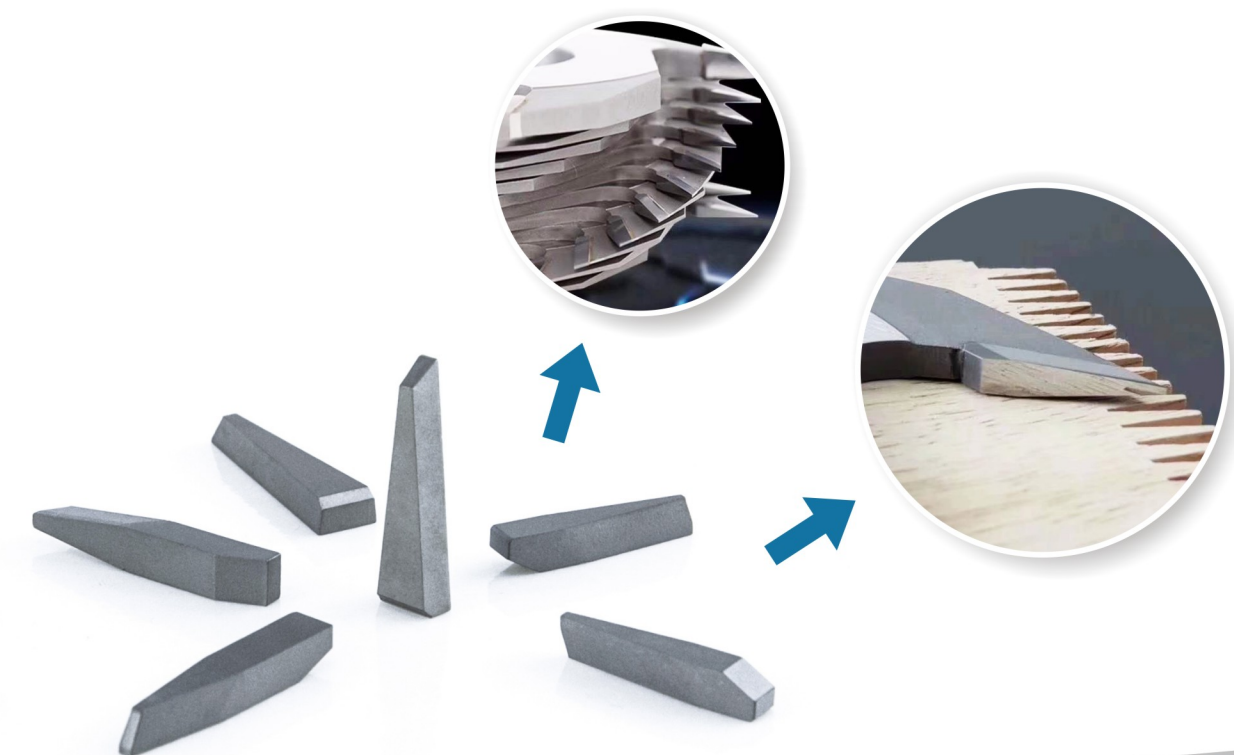
Note: Customized dimension is also welcomed.



**Dimension Chart A for Carbide Tips for FingerJoint Cutters**

Type	L	W	T	$\alpha^\circ$	$\gamma^\circ$	W1
ZJD18040-W	18.0	11.4	4.0	30	7	1.8
ZJD26540-W	26.5	7.0	4.0	30	7	2
ZJD28040-W	28.0	5.0	4.2	30	7	2

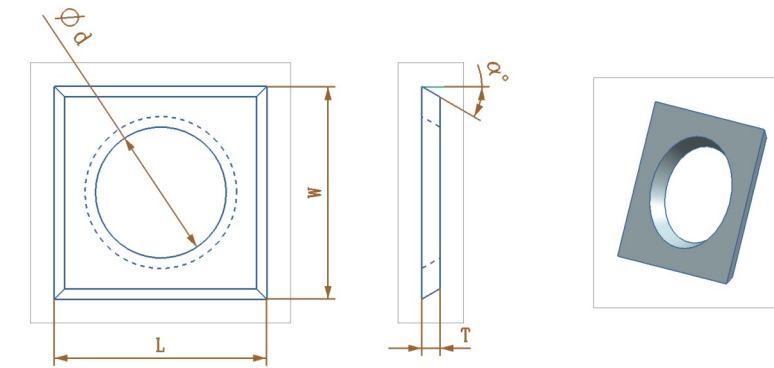
Note: Customized dimension is also welcomed.





## Carbide Scraper Blade

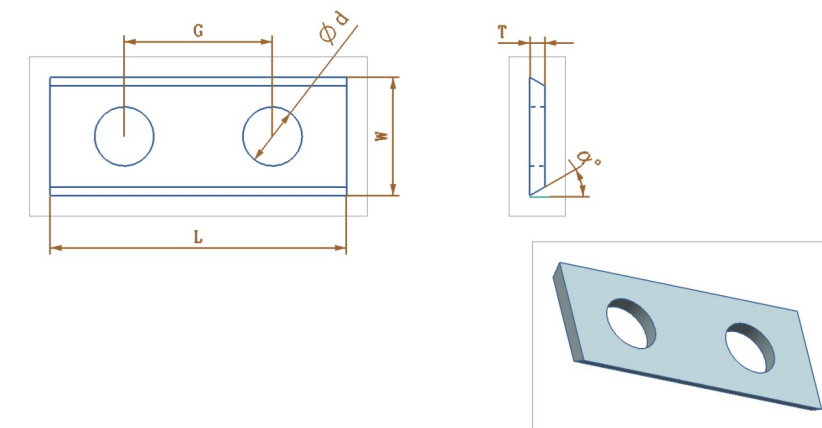
Grade Chart							
Grade	Binder (%)	Density (g/cm <sup>3</sup> )	Hardness (HRA)	T.R.S (MPa)	ISO Standard	Recommended Cutting Application	Note
SM05F	3.5	14.9-15.1	93.8	≥3000	K05	Hardwood, copper and aluminum etc.	HIP-Sintered
SM07F	4.5	14.8-15.0	93.2	≥2800	K05	Solidwood and plywood etc.	HIP-Sintered
SM10F	10	14.2-14.4	91.5	≥3000	K30	Solidwood and hardwood etc.	HIP-Sintered



Dimension Chart A

L	W	T	d	α °
14	14	2	6.4	30
15	15	2.5	6.4	30

Note: Customized dimension is also welcomed.



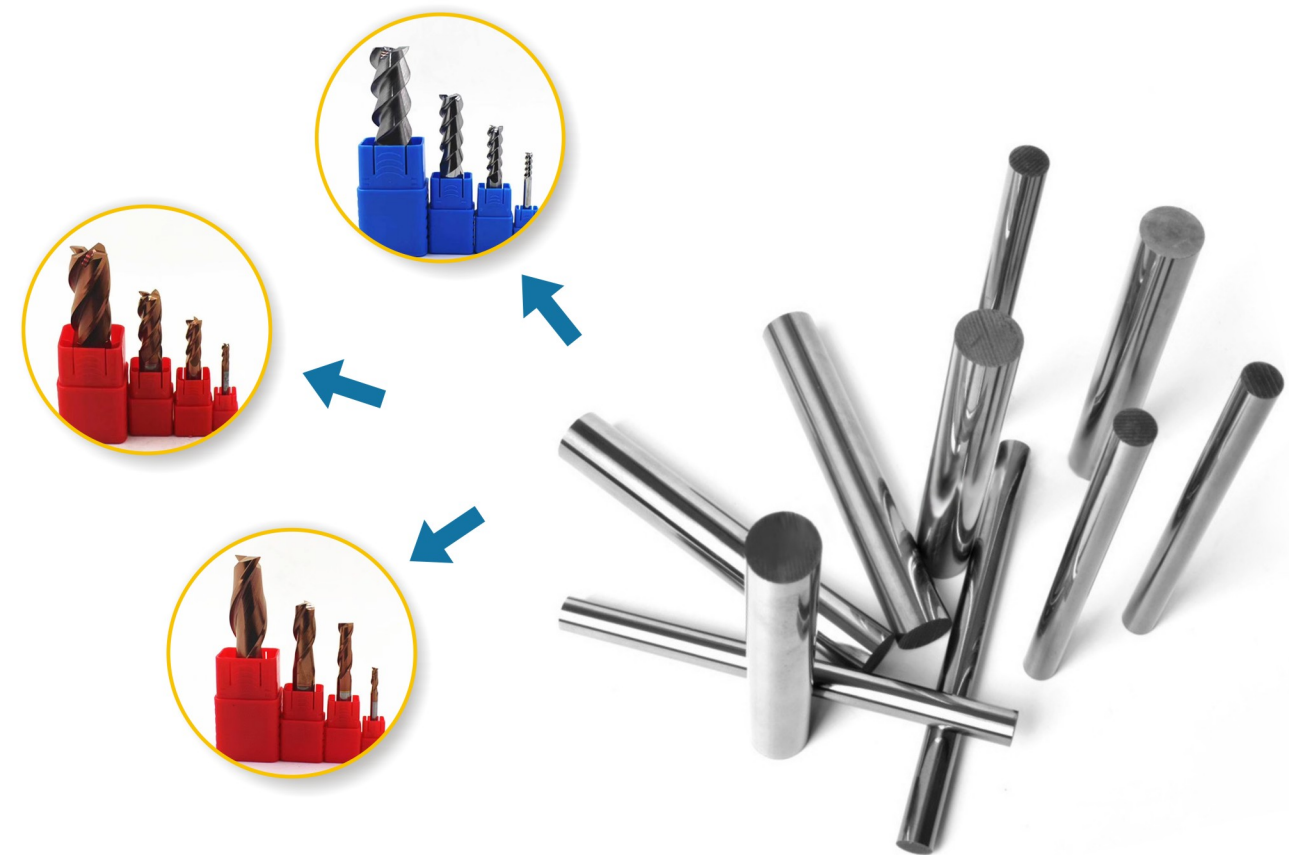
Dimension Chart B

L	W	T	G	d	α °
25	12	1.5	14	4.1	35
30	12	1.5	14	4.1	35
35	12	1.5	26	4.1	35
40	12	1.5	26	4.1	35
50	12	1.5	26	4.1	35
60	12	1.5	26	4.1	35

Note: Customized dimension is also welcomed.

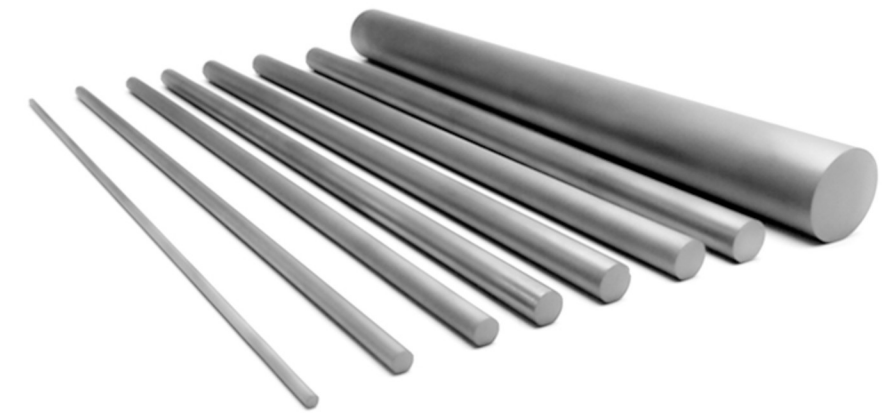
# Carbide Rods

Grade Chart							
Grade	Binder (%)	Density (g/cm <sup>3</sup> )	Hardness (HRA)	T.R.S (MPa)	ISO Standard	Recommended Cutting Application	Note
SM10	10	14.2-14.4	91.5	≥3000	K30	General steel and non-ferrous metal etc.	HIP-Sintered
SM12	10	14.1-14.3	91.8	≥3200	M20	Stainless steel and quenched steel ( hardness <40HRC ) etc.	HIP-Sintered
SM14	11	14.2-14.4	92.1	≥3500	M10	Stainless steel and quenched steel ( hardness <60HRC ) etc.	HIP-Sintered
SM16	12	14.1-14.3	92.8	≥3800	K40	Stainless steel, bearing steel and alloy steel etc.	HIP-Sintered



## Unground Rods

Dimension Chart	
Length ( mm )	Diameter ( mm )
330/310	3
330/310	4
330/310	6
330/310	8
330/310	10
330/310	12
330/310	14
330/310	16
330/310	18
330/310	20
330/310	22
330/310	24
330/310	25
330/310	26
330/310	28
330/310	30
330/310	32



Note: Customized dimension is also welcomed, H6 Ground polished carbide rods are also available.

Tolerance for Unground Carbide Rods			
Diameter ( mm )	D <10.0	D <10.0	D <10.0
Tolerance of Diameter	+0.20/+0.40	+0.20/+0.40	+0.20/+0.40
Length ( mm )	L=330/310		
Tolerance of Length	0.00/+4.00		





# Carbide Disc

## Unground Short Carbide Rods

Dimension Chart	
Length ( mm )	Diameter ( mm )
100/75/50	3
100/75/50	4
100/75/50	6
100/75/50	8
100/75/50	10
100/75/50	12
100/75/50	14
100/75/50	16
100/75/50	18
100/75/50	20



Note: Customized dimension is also welcomed, H6 Ground polished carbide rods are also available.

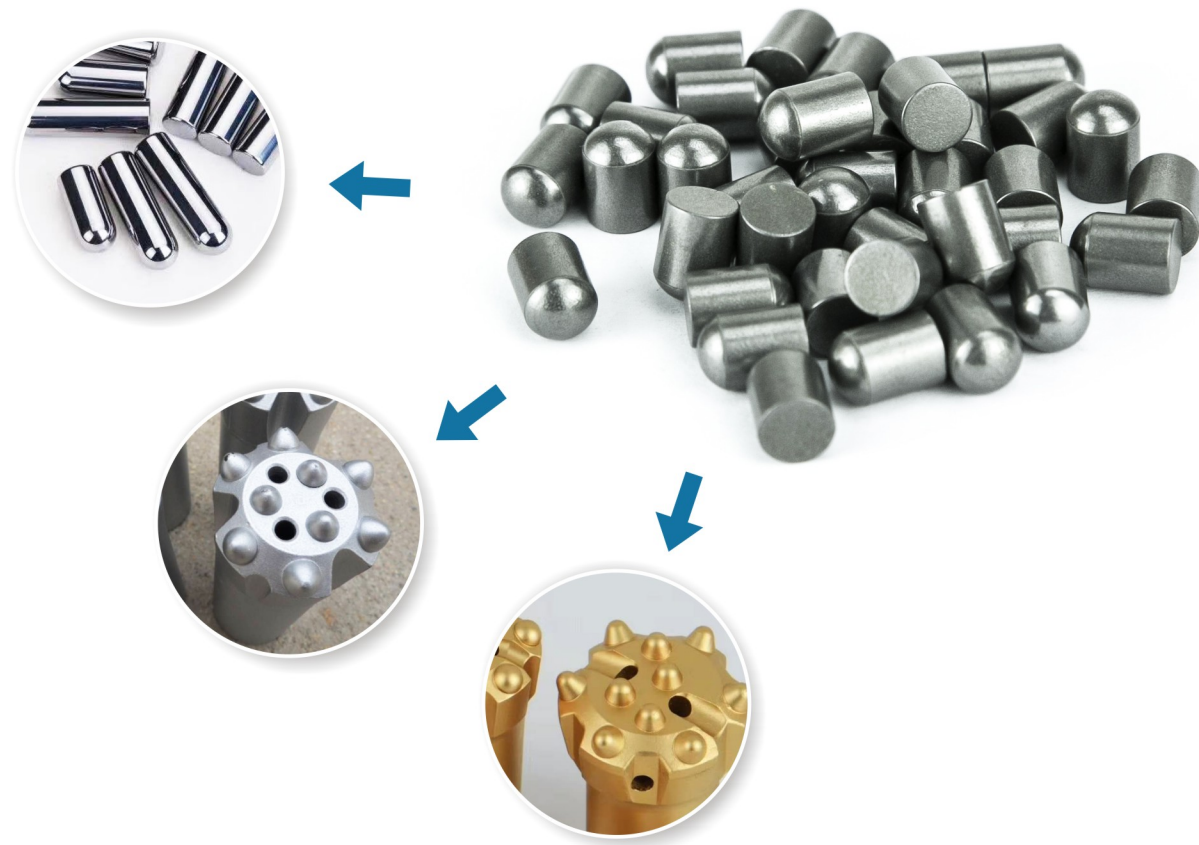
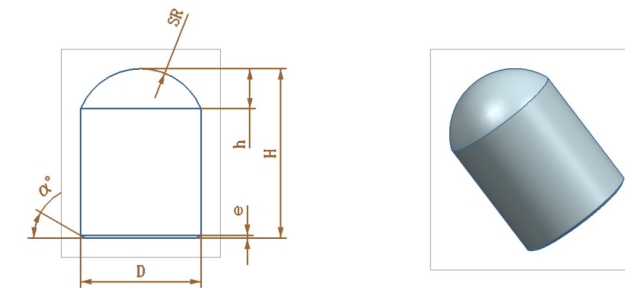
Tolerance for Unground Short Carbide Rods		
Diameter ( mm )	$D < 5.0$	$5.0 \leq D < 20.0$
Tolerance of Diameter	+0.25/+0.35	+0.30/+0.40
Length ( mm )	$L \leq 70$	$70 < L \leq 150$
Tolerance of Length	+0.2/+1.5	

Dimension Chart		
Outer Diameter ( mm )	Inner Diameter ( mm )	Thickness ( mm )
12	5\6	0.1-3.0
15	5\6	0.1-3.0
18	5\6	0.1-3.0
20	5\6	0.1-5.0
25	5\6\8	0.1-5.0
30	6\8\10	0.1-5.0
35	6\8\10\12	0.2-5.0
40	8\10\12\12.7\13\16	0.2-5.0
45	10\12\12.7\13\16	0.3-6.0
50	10\12\12.7\13\16	0.3-6.0
55	10\12\12.7\13\16	0.3-6.0
60	10\12\12.7\13\16	0.3-6.0
63	12\12.7\16\22	0.3-6.0
65	12\12.7\16\22	0.3-6.0
70	13\16\22\25.4	0.3-6.0
72	13\16\22\25.4	0.3-6.0
75	13\16\22\25.4	0.3-6.0
80	16\22\25.4\27\32	0.3-6.0
85	16\22\25.4\27\32	0.4-10.0
90	22\25.4\27\32	0.4-10.0
95	22\25.4\27\32	0.4-10.0
100	16\22\25.4\27\32	0.4-10.0
110	22\25.4\27\32	0.4-10.0
120	22\25.4\27\32\40	0.4-10.0



# Carbide Button

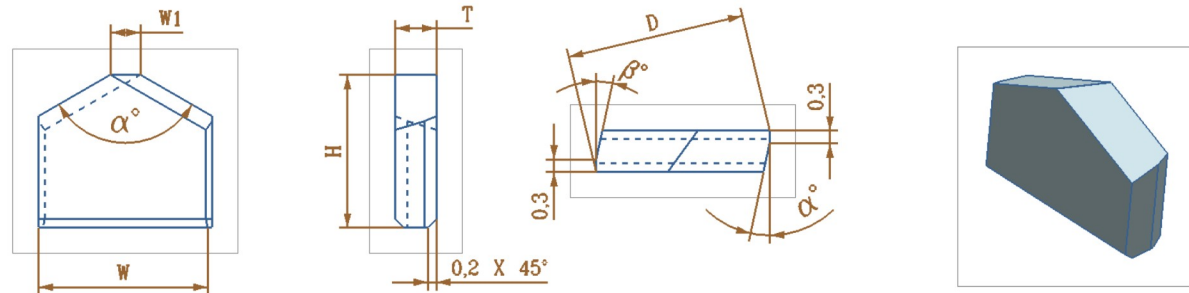
Grade Chart							
Grade	Binder (%)	Density (g/cm <sup>3</sup> )	Hardness (HRA)	T.R.S (MPa)	ISO Standard	Recommended Cutting Application	Note
XG10	6	14.8-14.9	91.0	≥2800	K20	Middle and small sized carbide button, for middle hard rock.	HIP-Sintered
XG20	8	14.6-14.8	89.5	≥3000	K30	Big and middle sized carbide button, for coal seam,conceret,soft and middle hard rock etc.	HIP-Sintered
XG30	11	14.3-14.5	88.0	≥3300	G30	For middle hard rock mining tools,granite and marble working etc.	HIP-Sintered



Dimension Chart					
Type	D	H	SR	α °	ε
XQ0812	8.25	12.0	4.4	30	1.5
XQ0915	9.25	15.0	5.0	30	0.7
XQ1013	10.20	13.0	5.5	30	0.7
XQ1114	11.30	14.0	6.0	30	0.7
XQ1216	12.30	16.0	6.6	30	0.7
XQ1318	13.30	18.0	7.0	30	0.7
XQ1418	14.30	18.0	7.7	30	0.7
XQ1624	16.30	24.0	8.8	30	0.7
XQ1726	17.30	26.0	8.8	30	0.7
XQ1826	18.30	26.0	9.2	30	0.7
XQ1928	19.40	28.6	10.0	30	0.7
XQ2028	20.40	28.0	10.0	30	0.7

Note: Customized dimension is also welcomed.

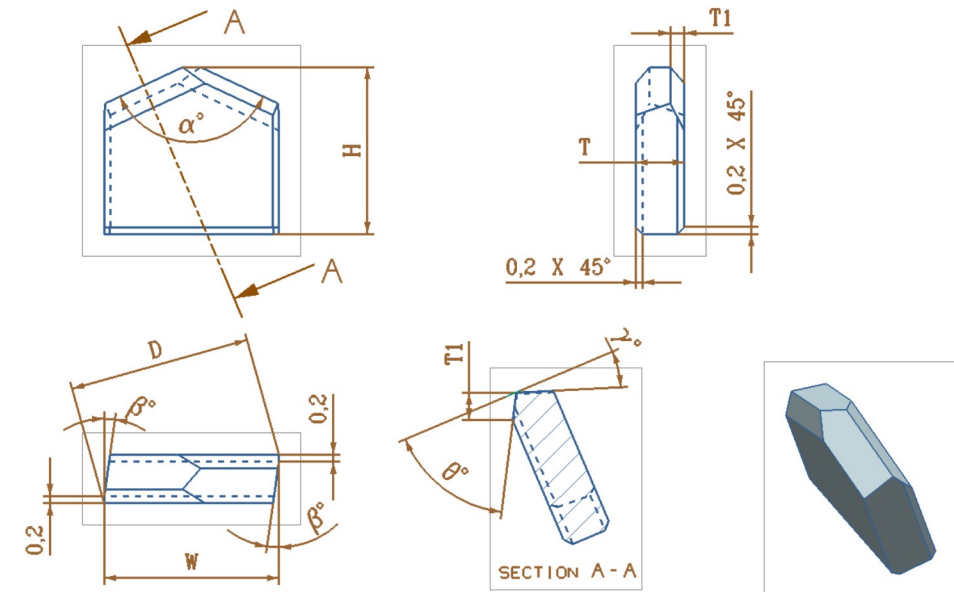
## C Type Drill Tips



Dimension Chart						
W	D	H	T	$\alpha^\circ$	$\beta^\circ$	W1
4	4.2	3.7	1	130	12	0.8
5	5.2	4.2	1	130	12	0.8
6	6.2	4.7	1.1	130	12	1
6.5	6.7	5.2	1.4	130	12	1.2
8	8.2	6.7	1.5	130	12	1.5
10	10.2	8.2	1.9	130	12	1.9
12	12.2	8	1.8	130	12	2.2

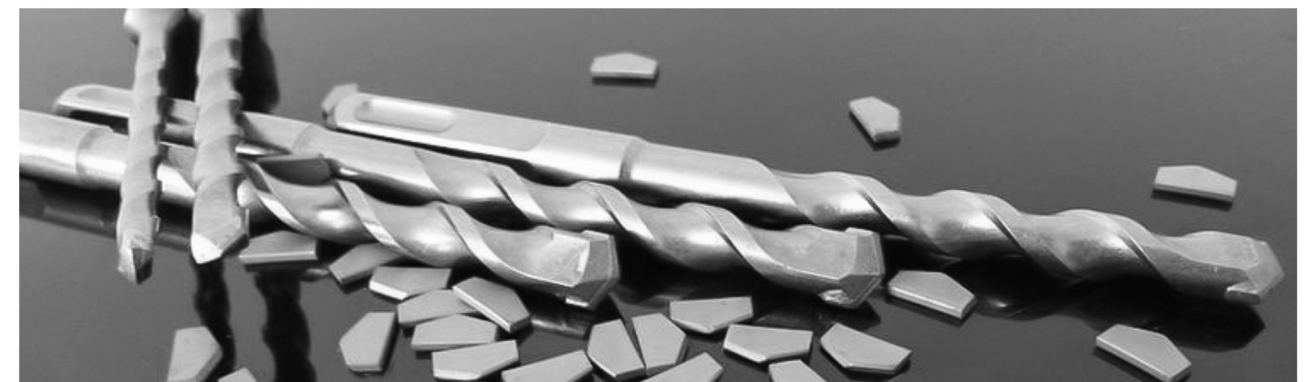
Note: Customized dimension is also welcomed.

## CC Type Drill Tips



Dimension Chart								
W	D	H	T	$\alpha^\circ$	$\beta^\circ$	$\theta^\circ$	$\gamma^\circ$	T1
5	5.2	4.8	1.4	130	8	60	20	0.4
6	6.2	5.2	1.5	130	8	60	20	0.5
8	8.2	6.7	1.7	130	8	60	20	0.5
10	10.2	8.2	2	130	8	60	20	0.7

Note: Customized dimension is also welcomed.



# Application

# MEMO



A series of horizontal dotted lines for taking notes.