

2018'

CUTTING TOOLS

- TURNING ○ BORING
- THREADING ○ GROOVING
- MILLING ○ DRILLING



ZHUZHOU CEMENTED CARBIDE
CUTTING TOOLS CO., LTD.

Brief introduction

Zhuzhou Cemented Carbide Cutting Tools Co.,Ltd. (**ZCC-CT**) is a subsidiary company of Zhuzhou Cemented Carbide Group Corp.Ltd.(zcc), located in Hunan province, China.

With 60 years experience in the manufacture of cemented carbide products, a team of enthusiastic design engineers, and the world's most advanced technology and equipment, **ZCC-CT** has created the perfect combination required to lead China in the production and distribution of highly productive, superior quality carbide cutting tools long into the future.

History of **ZCC-CT**

- 1954 - Zhuzhou Cemented Carbide Works founded cemented carbide production in China.
- 1988 - Introduced advanced technology and equipment to produce high precision indexable cemented carbide inserts for metal cutting.
- 1992 - Solid carbide cutting tools and end mill production line were started with the introduction of international technology and equipment.
- 2002 - Zhuzhou Cemented Carbide Cutting Tools Co Ltd.was founded. Cemented carbide indexable insert production line, and solid carbide cutting tool production line were transformed by the introduction of advanced technology and processing equipment sourced from respected international suppliers. The research and development section was enhanced through the introduction of an ever-growing team of highly skilled engineers working full time to improve and expand the range of solid carbide cutting tools, indexable inserts, and toolholding systems.
- 2005 - Further introduction of advanced technology and equipment for the production of ceramic inserts adds another dimension to **ZCC-CT**

Research and Development

A highly trained R & D staff work hard continuously in the field of cutting tool substrate material development, coating material technology, and insert chipbreaker design.

They also conduct testing and evaluations of newly designed tools prior to market introduction.

ZCC-CT 's research & development center is the most advanced and modern scientific research base in China for promoting the development of cemented carbide cutting tools.



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SOLID CARBIDE CUTTING TOOLS

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BORING TOOLS

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- This catalog shows basic types of standard series inserts and cutting tools. If you have any questions or feedback, please feel free to contact our Sales Department. We will try our best to satisfy you.
- All information in this catalog relates to current products. We will improve our products as our technology develops.
- All technical data in this catalog is prescribed for given working conditions. Please use it as a reference for your own working conditions.

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B

C

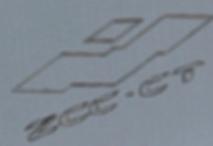
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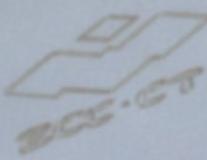


Turning Tools

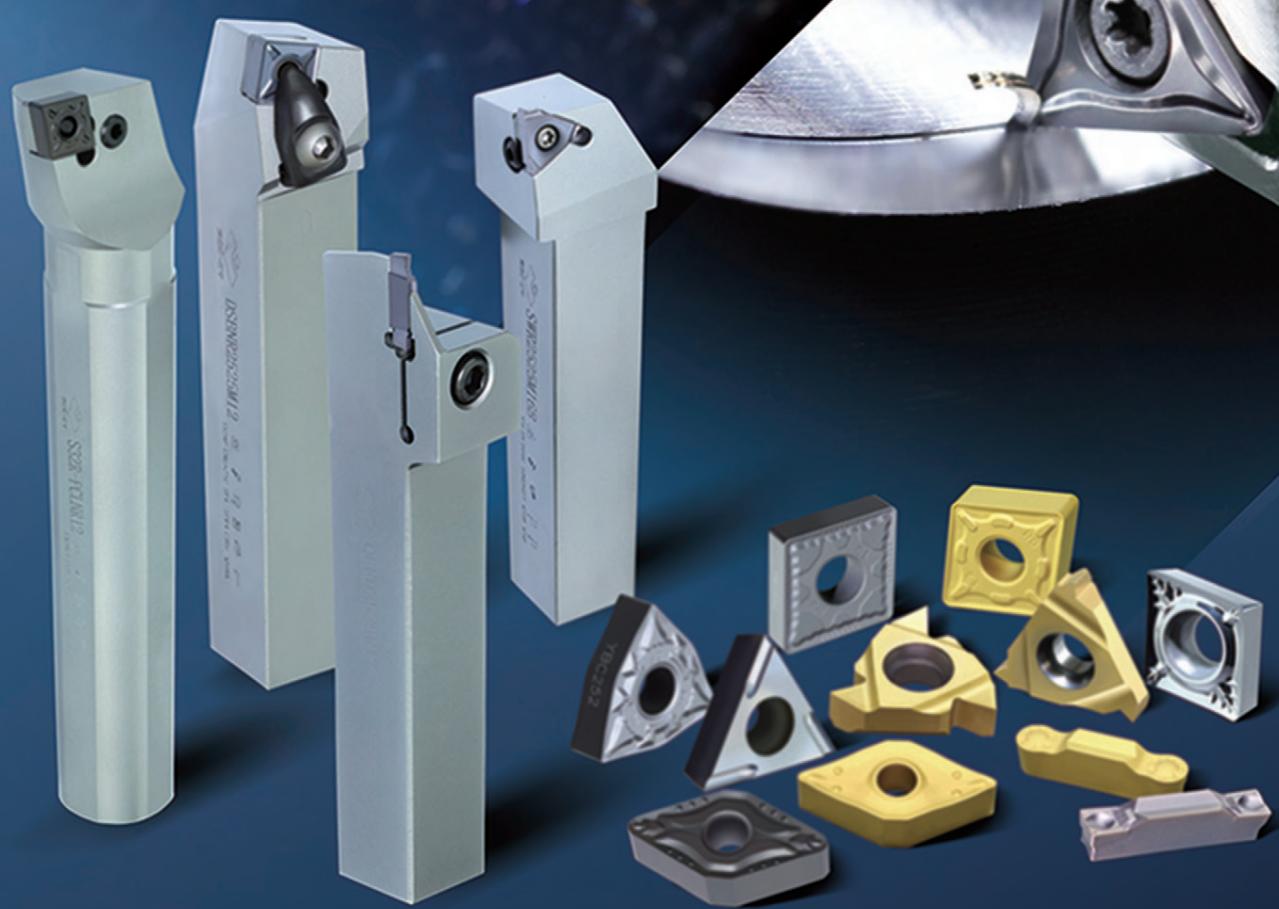


DVJNR2525M16
40829344

V16BM CM5x22C SM5x8.65XAI SPR6 C6RA W
ZCC-CT



DC
40



Turning

GENERAL TURNING TOOLS

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Product overview

Turning inserts

For finishing



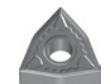
	DNEG-NGF	VNEG-NGF	CNMG-DF	CNMG-SF	CNMG-EF	CNEG-NF	DNMG-DF
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	DNMG-SF	DNMG-EF	DNEG-NF	SNMG-DF	SNMG-EF	SNMG-SF	TNMG-DF	TNMG-SF
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	TNMG-EF	VNMG-DF	VNMG-EF	VNEG-NF	VNMG-SF	WNMG-DF	WNMG-SF	WNMG-EF
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Wiper



	WNEG-NF	CNMG-WGF	DNMX-WGF	TNMX-WGF	WNMG-WGF	CNMG-WGM
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	DNMX-WGM	TNMX-WGM	WNMG-WGM
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For semi-finishing



	CNMG-PM	CNMG-DM	CNMG-EM	CNMG-NM	DNMG-PM	DNMG-DM	DNMG-EM
Page	P31	P31	P32	P32	P37	P38	P38



	DNMG-NM	SNMG-PM	SNMG-DM	SNMG-EM	SNMG-NM	TNMG-PM	TNMG-DM	TNMG-EM
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	VNMG-PM	VNMG-DM	VNMG-EM	VNMG-NM	WNMG-PM	WNMG-DM	WNMG-EM	WNMG-NM
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Negative inserts

For roughing



CNMG-SNR

DNMG-SNR

SNMG-SNR

TNMG-SNR

VNMG-SNR

WNMG-SNR

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CNMG-DR

CNMM-DR

CNMG-ER

CNMM-ER

DNMG-DR

DNMM-DR

DNMG-ER

DNMM-ER

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SNMG-DR

SNMM-DR

SNMG-ER

SNMM-ER

TNMG-DR

TNMM-DR

TNMG-ER

WNMG-DR

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Conventional chipbreaker



CNMG

DNMG

SNMG

SNMM

TNMG

TNMM

VNMG

Without chipbreaker (flat top)



CNMA

DNMA

SNMA

SNGN/SNUN

TNMA

WNMA

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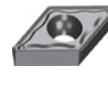
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For fine finishing



CCGT-SF

DCGT-SF

VCGT-SF

CPGT-SF

DPGT-SF

TPGT-SF

TPGH-L

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For finishing



VCGT-NGF

VBET-NGF

CCMT-HF

CCMT-EF

DCMT-HF

DCMT-EF

SCMT-HF

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SCMT-EF

TCMT-HF

TCMT-EF

VCGT-HF

VBMT-HF

VBMT-EF

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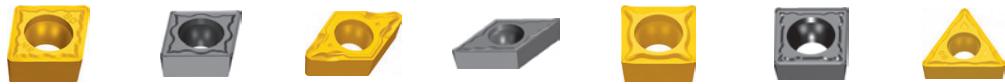
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Negative inserts

Positive inserts

Positive inserts

For semi-finishing



	CCMT-HM	CCMT-EM	DCMT-HM	DCMT-EM	SCMT-HM	SCMT-EM	TCMT-HM
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	TCMT-EM	VBMT-HM	VBMT-EM
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For roughing



	VBMT-SNR	CCMT-HR	DCMT-HR	SCMT-HR	TCMT-HR	VBMT-HR
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For Al machining



	CCGX-LC	CCGX-LH	DCGX-LC	DCGX-LH	SCGX-LC	SCGX-LH	TCGX-LC
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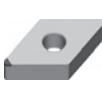
	TCGX-LH	VCGX-LC	VCGX-LH
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Conventional chipbreaker



	SCMT	TCMT
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PCBN&PCD inserts



	CNGA	DNGA	TNGA	VNGA	WNGA	
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PCBN inserts turning case



	CNGN	DNGN	SNGN	RNGN	
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	CCGW	CCMX	DCGW	DCMX	TCGW	TCMX	VBGW	VBMX	
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	VCGW	VCMX	
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Negative inserts

Positive inserts

Parting and grooving inserts

Little squirrel series



	ZP□D-MG	ZP□S-MG	ZT□D-MG	ZT□S-MG	ZT□D-MM	ZT□D-EG
Page	P127	P127	P128	P128	P128	P129



	ZT□D-EG	ZIMF-SM	ZR□D-MG	ZR□D-NM	ZR□D-EG	ZIGQ-NF
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Threading inserts

Right hand type	ISO metric thread	General pitch thread	Whitworth thread
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External thread	Internal thread	External thread	Internal thread
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Right hand type	Unified thread	British standard taper pipe threads	NPT American standard taper pipe threads
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External thread	Internal thread	External thread	Internal thread
Page	P160	P160	P159
Right hand type	American standard aerospace and aviation threads	American ACME	American STUB-ACME (Short tooth threads)
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External thread	Internal thread	External thread	Internal thread
Page	P163	P163	P161
Right hand type	API 60°	API Round	API Buttress Casing
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External thread	Internal thread	External thread	Internal thread
Page	P166	P166	P165
Right hand type	ISO metric thread Full Form(Thin type)	General pitch thread Without end(Thin type)	Whitworth thread(Thin type)
Thin type			
Page	P167	P168	P169
External thread	Internal thread	External thread	Internal thread
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Right hand type	Unified thread(Thin type)	British standard taper pipe threads (Thin type)	American standard taper pipe threads (Thin type)
Page	P171	P171	P172
External thread	Internal thread	External thread	Internal thread
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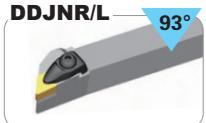
Turning toolholders

External turning toolholders

D-Multi clamp



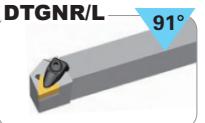
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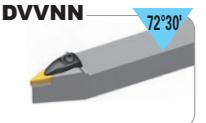
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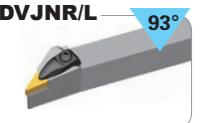
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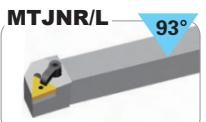
M-Multi clamp



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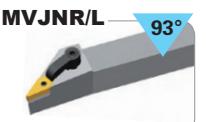
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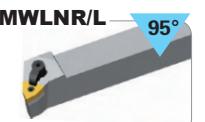
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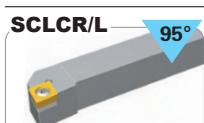


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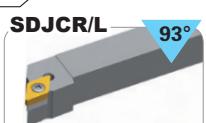


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S-Screw clamp



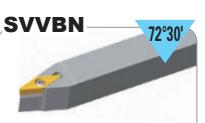
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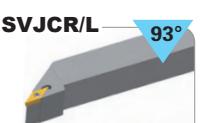
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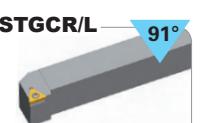
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Boring Bars

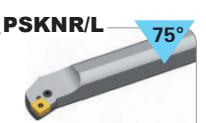
P-Lever clamp



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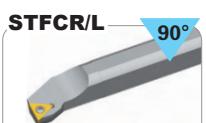
S-Screw clamp



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Threading tools

SWR/L



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SNR/L



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SWR□□□B



P178

SNR□□□B



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● Table of recommended grades for turning inserts

ISO		General turning							Threading	Parting and grooving			
Code		Coated grade			Cermet	Coated cermet	Cemented carbide	PCBN	PCD	Coating	Coating		Cemented carbide
		CVD	PVD	PVD						PVD	CVD	PVD	
P	01												
	10	YBC151	YBC251	YBC452									
	20			YBC252									
	30		YBC351	YBC352									
	40			YBC351	YBG102	YNG151	YC10			YBG201	YBC251	YBG205	
M	01												
	10	YBM151	YBM251	YBW253									
	20				YBG202	YNG151	YNG151C						
	30				YBG205						YBG201		YBG302
	40												
K	01												
	10	YBD052	YBD102	YBD152									
	20			YBD252									
	30				YNG151	YNG151C							
	40					YD051	YD201	YCB011	YZB221		YBG201		YBG302
N	01												
	10												
	20												
	30							YD101		YCD011	YBG201		YD201
	40												
S	01												
	10												
	20				YBG102	YBG105							
	30				YBG212	YBG202							
	40												
H	01												
	10												
	20												
	30												
	40												