TRIAMBH DYNAMICS PVT LTD

Triambh

Substantially improving the cutting edge technologies in Cnc industries.

Triambh Dynamics Pvt Ltd

261/276/277/6 G.T Road Salkia North Howrah Pin-711106 (Wb) India

Ph:+91 7003327736
Website: www.triambh.com
E-mail-sales@triambh.com
export@triambh.com
info@triambh.com

TRIAMBH DYNAMICS PVT LTD

HSS TOOLS

Crafted For Mastery

TRIAMBH DYNAMICS PVT LTD

HSS CNC NOTCHING TOOLS

SL NO	Diameter	Dimension
1	2.5mm	2.5 x 7.5 mm
2	3.0mm	3.2 x 9.0mm
3	3.2mm	4.0 x 11 mm
4	4.0mm	4.5 x 12.5 mm
5	4.2mm	4.2 x 12.5 mm
6	5.0 mm	5.0 x 15.6 mm
7	5.5mm	5.5 x 15.6 mm
8	6.0 mm	6.0 x 18 mm
9	6.0 mm	6.0 x 21mm
10	7 mm	7.0 x 21 mm
11	8 mm	8.0 x 28 mm
12	9 mm	9.0 x 28 mm

H1 — FOR CASTING ROLLS

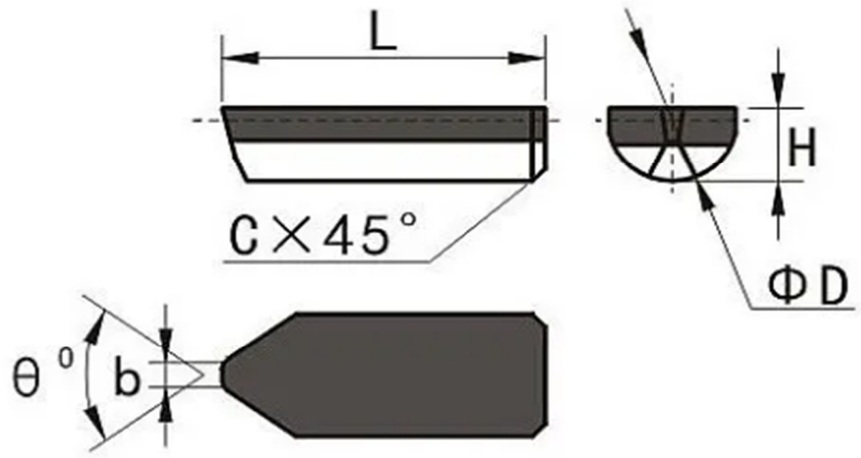
H2 — FOR HSS ROLLS

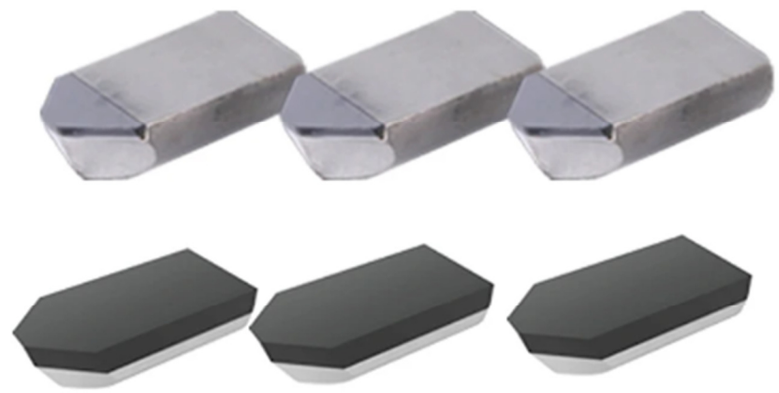
H3 — FOR HSS ROLLS CHILLED ROLLS

To ensure efficient cutting and prolong tool life, it's essential to use appropriate cooling and lubrication methods during machining operations. This helps dissipate heat generated during cutting, reduces friction between the tool and workpiece, and prevents chip build up, leading to improved surface finish and dimensional accuracy of the notches.

HSS notching tools are used in a wide range of machining operations, including milling, turning, and grinding. They are commonly used for notching or grooving operations in metalworking applications such as cutting keyways, forming splines, creating grooves for retaining rings, and other similar tasks.

PCD NOTCHING TOOLS





Order No.	Dimension(mm)				
	ΦD	b	H	L	θ°
Φ2*0.4*4.06*80°	2.0	2	0.4	4.06	80°
Φ2.5*0.5*5.2*80°	2.5	2.5	0.5	5.2	80°
Φ3*0.6*5.5*80°	3.0	3	0.6	5.5	80°
Φ3.2*0.6*6.2*85°	3.2	3.2	0.6	6.2	85°
Φ4*0.6*7.53*80°	4.0	4	0.6	7.53	80°
Φ4*0.7*7.83*70°	4.0	4	0.7	7.83	70°
Φ4*0.8*9.55*80°	4.0	4	0.8	9.55	80°
Φ4.5*0.9*10.7*80°	4.5	4.5	0.9	10.7	80°

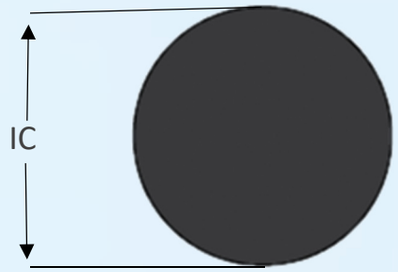
IMPACT RESISTANT SOLID CBN & BRAZZED TIP INSERT

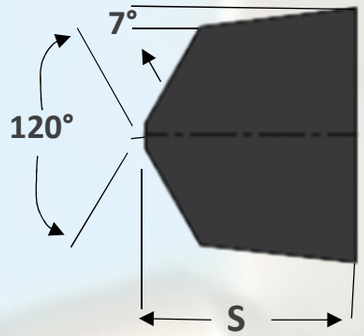
Focusing on revolutionary technological innovation on CBN micro-nano materials, composites and cutting tool application, and advanced controlling and manufacturing process, Triambh is able to develop and manufacture the most consistent high-quality PCBN solid inserts with high impact resistance, more economical double-layer inserts, super finishing single-layer inserts and inserts with cutting - edg e coating techniques. It fully meets the requirements of wear

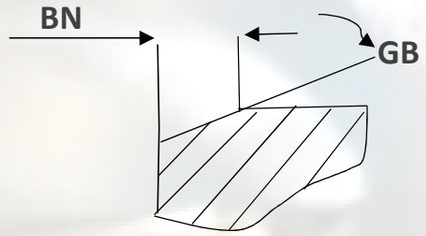
Machining Model	Applicable Industry	Workpiece Material	Feature
Rough machining / Semi -finishing	Brake disc •Brake drum +Parts of compressor	•grey cast iron	+Excellent combination of toughness and wear resistance, good edge stability +Good universality, suitable for high-speed machining from interrupted to continuous working conditions
Rough machining / Semi -finishing	•Gear •Bearing •Mining machinery •Coal mine machinery	+Hardened steel +Surface overlaying material	•Balanced impact tough ness and good wear resistance equitable for heavy interrupted to continuous machining under various working conditions

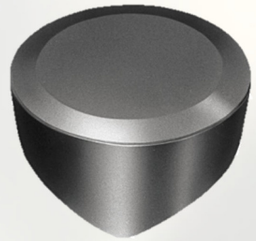
Our PCBN inserts are widely used in processing pearlitic cast iron, high chromium and nickel alloy cast iron, hardened steel, powder metal, hard alloy and super alloy. In the mechanical machining application of the traditional system, not only it has greatly reduced the comprehensive production cost, but also significantly improved the production capacity and efficiency during the whole production operation, and the equipment investment is greatly decreased at the same time.

CBN GROOV INSERTS









Designation	IC	S	GB	AP	AP	FT	FT	Grade
RCGX 060400	6.35	4.76	25	0.20	0.50	0.05	0.30	**TR001**
RCGX 060400	6.35	4.76	25.0	0.20	0.50	2.00	0.05	**TR001**
RCGX090700	9.52	7.94	25.0	0.10	3.00	0.07	0.50	**TR001**
RCGX 090700	9.52	7.94	25.0	0.20	0.10	3.00	0.50	**TR001**
RCGX120700	12.70	7.94	25.0	0.20	0.50	3.00	0.30	**TR001**
RCGX120700	12.70	7.94	25.0	0.20	0.10	4.00	0.50	**TR001**
RGCX150700	15.88	7.94	25.0	0.20	0.50	4.00	0.50	**TR001**
RCGX 060400	6.35	4.76	25	0.20	0.50	0.05	0.30	**TR007**
RCGX 060400	6.35	4.76	25.0	0.20	0.50	2.00	0.05	**TR007**
RCGX090700	9.52	7.94	25.0	0.10	3.00	0.07	0.50	**TR007**
RCGX 090700	9.52	7.94	25.0	0.20	0.10	3.00	0.50	**TR007**
RCGX120700	12.70	7.94	25.0	0.20	0.50	3.00	0.30	**TR007**
RCGX120700	12.70	7.94	25.0	0.20	0.10	4.00	0.50	**TR007**
RGCX150700	15.88	7.94	25.0	0.20	0.50	4.00	0.50	**TR007**
RCGX 060400	6.35	4.76	25	0.20	0.50	0.05	0.30	**TR009**
RCGX 060400	6.35	4.76	25.0	0.20	0.50	2.00	0.05	**TR009**
RCGX090700	9.52	7.94	25.0	0.10	3.00	0.07	0.50	**TR009**
RCGX 090700	9.52	7.94	25.0	0.20	0.10	3.00	0.50	**TR009**
RCGX120700	12.70	7.94	25.0	0.20	0.50	3.00	0.30	**TR009**
RCGX120700	12.70	7.94	25.0	0.20	0.10	4.00	0.50	**TR009**
RGCX150700	15.88	7.94	25.0	0.20	0.50	4.00	0.50	**TR009**

GRADES

Grade	Insert model	Radius	Chamfer						
			E	01010	01015	01520	02020	02025	02530
TR7630	CNGA1204	08		•					
	DNGA1504	12					•		
	TNGA1604	08	•			•			
	VNGA 1604	08	•	•					
		12		•					
	WNGA 0804	08			•				
		12					•		
TR9500	CNGA 1204	08				•	•		
		16						•	
	DNGA1504	08				•			
	TNGA 1604	08							•
	VNGA1604	08	•	•					
	WNGA0408	08				•			
		12				•			

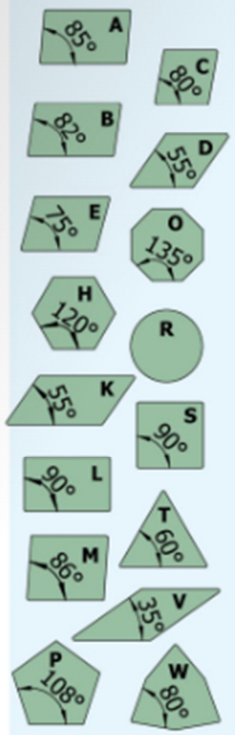
TRIAMBH DYNAMICS PVT LTD

CVD AND PCD THICK FILM DIAMOND

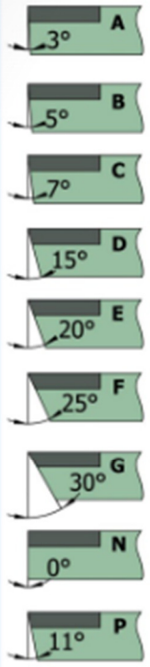
Grade	Insert shape	Insert model	Radius	Chamfer						
				02020	02030	02530	03020	05020	10020	20020
TR 3500 TR 7630		RN * N 0904	00	○						
		R N * N 1 204	00	< m					●	
		R N* N 1 207	00	< m				●		
		R N* N 1 5 07	00	•						
		R N* N 20 07	00					●		
		R N* N 20 1 0	00					●		●
		RC*X0907Y	00	< m				●		
		RC*X1207Y	00					● ●		
		RC*X0907V	00	*6*				●		
		RC*X1 207V	00					● ●		
		SN *N 1 207	12	*6*			●			
		SN'N1507	16				● ●			
		SN * N 2010	20					●		
		C N*N 1207	12	•			●			
			16	B		●				
TR 9500		R N * N 09 04	00	4t						
		R N * N 1 204	00	*4*						
		R N * N 1 207	00	•				●		
		RC*X0907Y	00	•				●		
		RC*X1207Y	00		●		●			
		RC*X0907V	00					●		
		RC*X1 207V	00		●		●			

ISO Codes

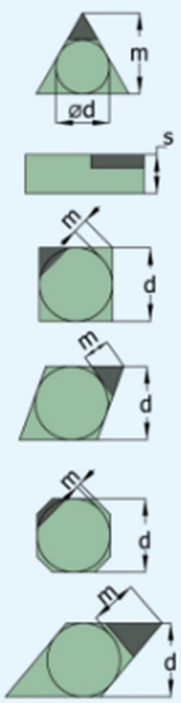
C



C



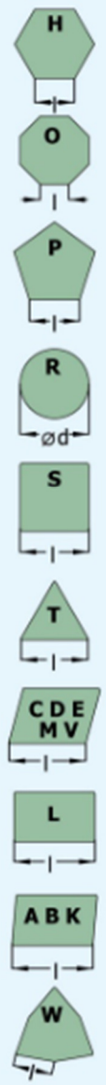
G



	m	s	d
A	±0.005	±0.025	±0.025
F	±0.005	±0.025	±0.013
C	±0.013	±0.025	±0.025
H	±0.013	±0.025	±0.013
E	±0.025	±0.025	±0.025
G	±0.025	±0.130	±0.025
	m	s	d
J	±0.005	±0.025	±0.05 -> ± 0.15
K	±0.013	±0.025	±0.05 -> ± 0.15
L	±0.025	±0.025	±0.05 -> ± 0.15
M*	±0.08 -> ± 0.20	±0.130	±0.05 -> ± 0.15
N*	±0.08 -> ± 0.20	±0.250	±0.05 -> ± 0.15
U*	±0.13 -> ± 0.38	±0.130	±0.08 -> ± 0.15

T

11

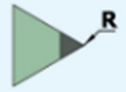


x - special

06

	S
01	1.59
T1	1.98
02	2.38
03	3.18
T3	3.97
04	4.76
05	5.56
06	6.35

02



01	0.1
02	0.2
04	0.4
08	0.8
12	1.2
16	1.6

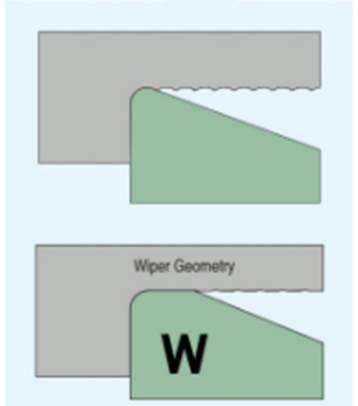
00 = round insert / inch

M0 = round insert / metric

R/L GS W

PCD

CVD
PCD
CBN



PCD and CVD Thick film diamond

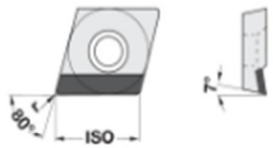
Positive 80° - CCGT – single cutting edge

Ordering Code	Toolholder
CCGT 060202	SCLC...06 A/E...SCLC.06
CCGT 060204	
CCGT 060208	
CCGT 09T302	SCLC...09 A/E...SCLC.09
CCGT 09T304	
CCGT 09T308	
CCGT 09T312	
CCGT 120402	SCLC...12 A/E...SCLC.12
CCGT 120404	
CCGT 120408	

ISO Standard	Type	Grade
N	Positive	PCD
		CVD

Order example: CCGT 060202 **PCD** or
CCGT 060202 **CVD**

Positive 80° - CCGT – GS, single cutting edge



Ordering Code	Toolholder
CCGT 060202 R/L-GS	SCLCR/L...06 A...SCLCR/L.06
CCGT 060204 R/L-GS	
CCGT 060208 R/L-GS	
CCGT 09T304 R/L-GS	SCLCR/L...09 A...SCLCR/L.09
CCGT 09T308 R/L-GS	
CCGT 09T312 R/L-GS	

ISO Standard	Type	Grade
N	Positive	PCD
		CVD

Order example: CCGT 060204 R-GS **PCD** or
CCGT 060204 R-GS **CVD**
For L.H, specify CCGT 060204 **L**... instead of
CCGT 060204 **R**...

CCGW 80°–single cutting edge

Neutral

Chip Breaker

Ordering Code	Toolholder
*CCGW 060201	SCLC...06 A...SCLC.06
CCGW 060202	
CCGW 060204	
CCGW 060208	
CCGW 09T302	SCLC...09 A...SCLC.09
CCGW 09T304	
CCGW 09T308	
CCGW 09T312	
CCGW 120402	SCLC...12 A...SCLC.12
CCGW 120404	
CCGW 120408	
CCGW 120412	

ISO Standard	Type	Grade
N	Neutral	PCD
	F - Chip Breaker	
	R - Chip Breaker	
	Neutral	CVD
	F - Chip Breaker	
	R - Chip Breaker	

F - Finishing R - Roughing

Order example: CCGW 060202 **N PCD** or
CCGW 060201 **R CVD**
* Available only in **N**eutral **CVD** grade

Wiper

Ordering Code	Toolholder
CCGW 060202-W	SCLC...06 A...SCLC.06
CCGW 060204-W	
CCGW 09T302-W	SCLC...09 A...SCLC.09
CCGW 09T304-W	
CCGW 09T308-W	
CCGW 120402-W	SCLC...12 A...SCLC.12
CCGW 120404-W	
CCGW 120408-W	

Order example: CCGW 120402-W**F PCD** or
CCGW 120402-W**R CVD**
Same insert for R.H or L.H cutting

Positive 55⁰ - DCGT – single cutting edge

Ordering Code	Toolholder
DCGT 070201	SDJC..07 A...SDUC./ A/E...SDQC.07
DCGT 070202	
DCGT 070204	
DCGT 070208	
DCGT 11T301	SDJC..11 A...SDUC./ A/E...SDQC.11
DCGT 11T302	
DCGT 11T304	
DCGT 11T308	
DCGT 11T312	

ISO Standard	Type	Grade
N	Positive	PCD
		CVD

Order example: DCGT 070201 **PCD** or
DCGT 070201 **CVD**

Wiper

Ordering Code	Toolholder
DCGT 070202-W	SDJC..07 A...SDUC.07
DCGT 070204-W	
DCGT 070208-W	
DCGT 11T302-W	SDJC..11 A...SDUC.11
DCGT 11T304-W	
DCGT 11T308-W	

Order example: DCGT 11T302-W **PCD** or
DCGT 11T302-W **CVD**
Same insert for R.H or L.H cutting

VCGW 35⁰-Single cutting edge

Neutral Chip Breaker

Ordering Code	Toolholder
*VCGW 070201	SVJC./ SVVCN...07
VCGW 070202	
VCGW 070204	
VCGW 070208	
*VCGW 110301	SVJC./SVVCN...11
VCGW 110302	
VCGW 110304	
VCGW 110308	
*VCGW 160401	SVJC./SVHC./ SVVCN...16 A...SVJC.16
VCGW 160402	
VCGW 160404	
VCGW 160408	
VCGW 160412	

ISO Standard	Type	Grade
N	Neutral	PCD
	F - Chip Breaker	
	R - Chip Breaker	
	Neutral	CVD
	F - Chip Breaker	
	R - Chip Breaker	

F - Finishing R - Roughing

Order example: VCGW 070208 **N PCD** or
VCGW 070208 **F CVD**
* Available only in **N**eutral **PCD/CVD** grade

WCGW 80⁰-three cutting edges

Ordering Code	Toolholder
WCGW 020101	E...SWUC. 02
WCGW 020102	
WCGW 020104	

ISO Standard	Type	Grade
N	Neutral	CVD

Order example: WCGW 020101 **CVD**

CNC NOTCHING ASSEMBLY

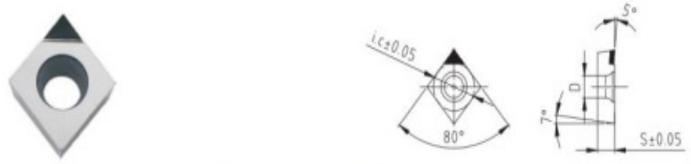
BS SUPPORT	ARBOR (HSS)280/260	REVOLVING CENTRE
5.4 MM	5.4 MM	TR01
5.8 MM	5.8 MM	TR03
6.0 MM	6.0 MM	TR06
6.4 MM	6.4 MM	TR 08
7.3 MM	7.3 MM	TR 11
7.6MM	7.6MM	TR 16
8.5 MM	8.5 MM	----
9.0 MM	9.0 MM	----
10 MM	10 MM	----
13 MM	13 MM	----
16 MM	16 MM	----
21 MM	21 MM	----
28 MM	28 MM	----

Assembly: The assembly process involves mounting the HSS notching tool onto the arbor securely. This is typically done using a tool holder or collet system that allows for precise positioning and tightening of the tool onto the arbor. The assembled tool is then installed onto the machining equipment, ready for the notching operation.

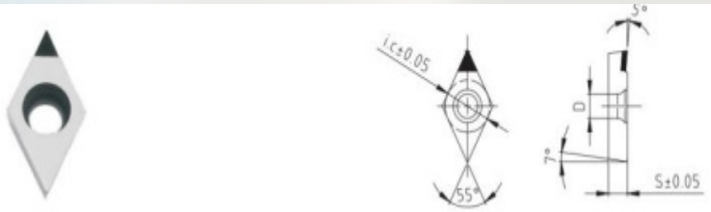
Cooling and Lubrication System: Depending on the specific notching application and machining conditions, a cooling and lubrication system may be incorporated into the assembly. This system helps dissipate heat generated during cutting, reduces friction between the tool and workpiece, and prevents chip build up. Common methods of cooling and lubrication include using cutting fluids or coolants applied directly to the cutting area.

ELEGANCE AND DURABILITY

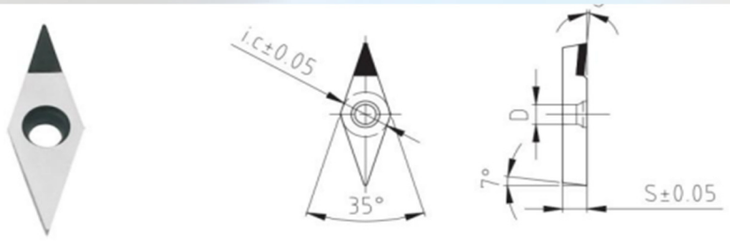
PDC BRAZZED INSERTS



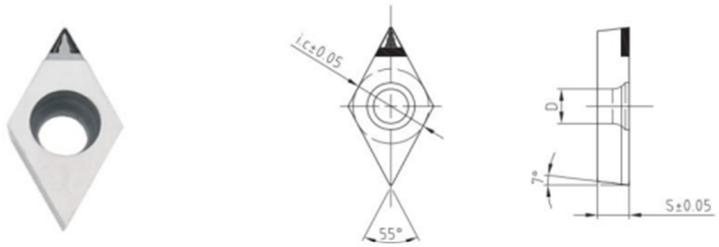
Grade	Model No.	φi.c	S	R	D
5685	CCGW09T302	9.525	3.97	0.2	4.4
5685	CCGW09T304	9.525	3.97	0.4	4.4
5685	CCGW120404	12.7	4.76	0.4	5.5
5685	CCGW120408	12.7	4.76	0.8	5.5



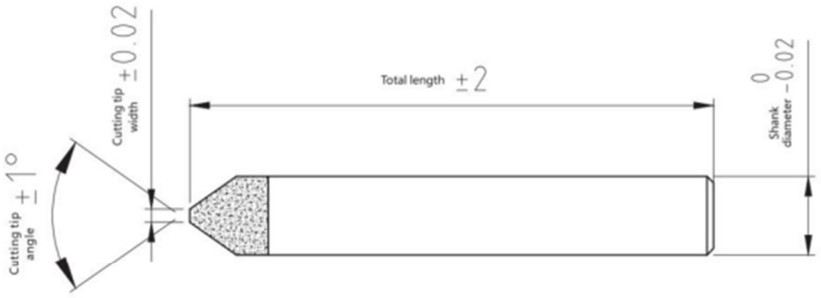
Grade	Model No.	φi.c	S	R	D
5685	DCGW11T302	9.525	3.97	0.2	4.4
5685	DCGW11T304	9.525	3.97	0.4	4.4
5685	DCGW11T308	9.525	3.97	0.8	4.4



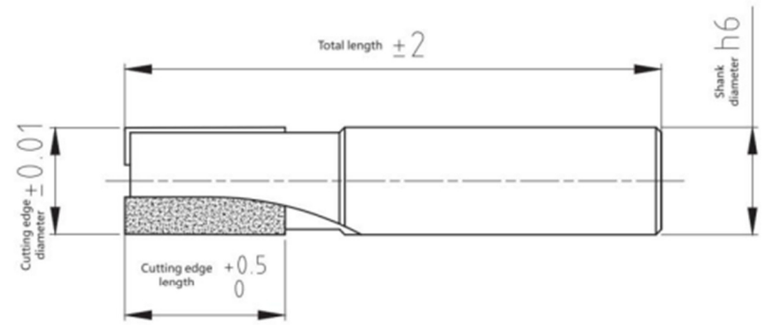
Grade	Model No.	φi.c	S	R	D
5685	VCGW11T302	6.35	3.97	0.2	2.8
5685	VCGW11T304	6.35	3.97	0.4	2.8
5685	VCGW160404	9.525	4.76	0.4	4.4
5685	VCGW160408	9.525	4.76	0.8	4.4



Grade	Model No.	φi.c	S	R	D
5685	DCGW11T302	9.525	3.97	0.2	4.4
5685	DCGW11T304	9.525	3.97	0.4	4.4
5685	DCGW11T308	9.525	3.97	0.8	4.4

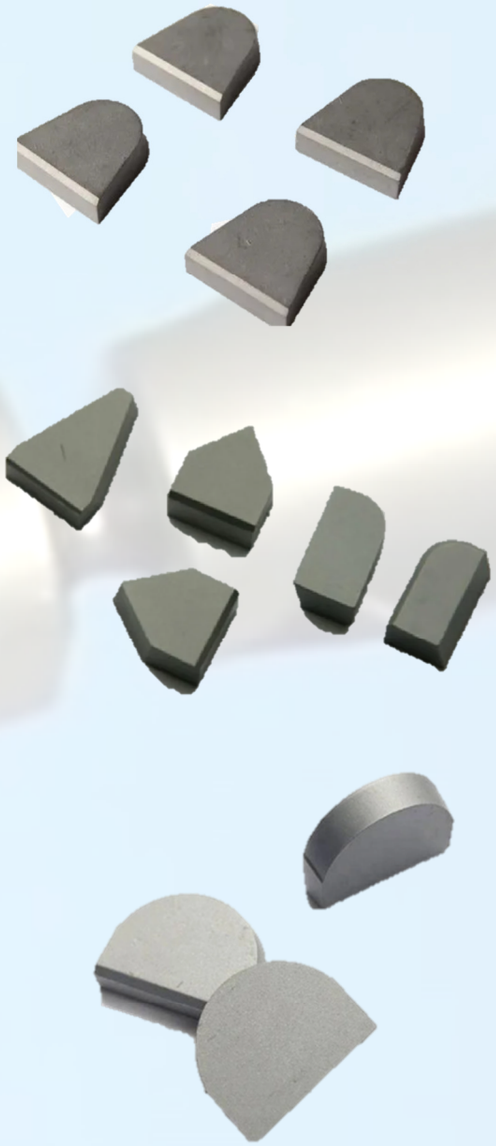


Grade	Cutting tip width (mm)	Cutting tip angle	Shank diameter (mm)	Total length (mm)
5632	0.2	45°	6	40
5632	0.4	45°	6	40
5632	0.2	60°	6	40
5632	0.4	60°	6	40
5632	0.2	70°	6	40
5632	0.4	70°	6	40
5632	1	70°	6	40
5632	2	70°	6	40
5632	0.2	90°	6	40
5632	0.4	90°	6	40
5632	1	90°	6	40
5632	2	90°	6	40



Grade	Cutter diameter (mm)	Cutting edge length (mm)	Number of cutting edge	Shank diameter (mm)	Total length (mm)
5610	2	3	1	4	40
5610	3	4	1	6	40
5610	4	6	1	6	40
5610	10	12	1	10	50
5610	12	12	1	10	50
5610	4	12	2	10	50
5610	6	12	2	10	50
5610	8	12	2	10	50
5610	10	12	2	10	50
5610	12	12	2	10	50

CARBIDE BREAZZING TIPS



Material: Tungsten Carbide

Coating: Brazed Carbide

Surface Treatment: Coated

Surface Finish: Sandblasting

Application: Industrial HSS Cutting

Our organization has earned accolades in the field of supplying & trading of Brazed Carbide to the clients. The cutting edge tools and sophisticated technology utilized in the fabrication of these brazed carbide has been praised by one and all. These brazed carbides are in huge demand among the clients and have created niche in the industry. The high tensile strength along with the corrosion resistant finish is one of the most striking characteristics of these brazed carbide.

Features:

Coated with an abrasion resistant finish

Dimensionally accurate body

At par with the set industry standards

TRIAMBH DYNAMICS PVT LTD

H3 HIGH GREADE TOOLS FOR HSS ROLLS