PREZISS DIAMANT, MORE THAN CUTTING TOOLS
The specialist in customized high precision cutting tools.

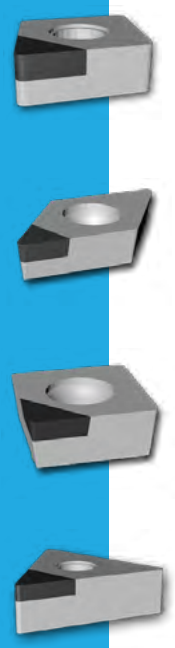
advanced materials for
a perfect machining.

PREZISS

ISO inserts with advanced materials, PCD, PCBN and CVD to achieve maximum performance

ISO
inserts

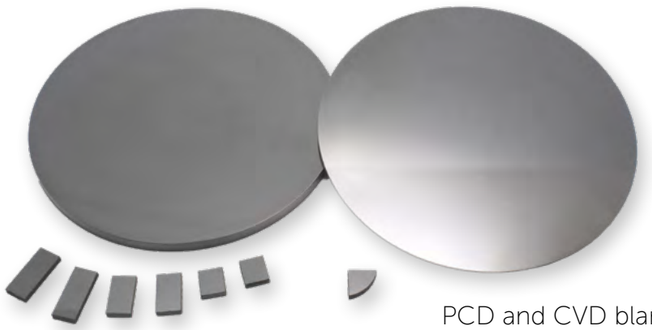
ISO INSERTS advanced materials



PCD and CVD inserts

Indexable inserts provides time saving and cost effective cutting

PCD has always been recommended for non ferrous applications. However,under certain conditions, PCD is effective in machining bi-metal materials like aluminium and grey cast iron as well as compact graphite iron (CGI), both growth materials for use in engine block production.
With the correct choice of PCD grade, edge preparations and cutting conditions, it is also possible an efficient machining of other materials such as titanium alloys, tungsten carbides, ceramics, graphites, reinforced plastics, CFRP, GFRP



PCD and CVD blanks

Polycrystalline diamond (PCD)

PCD consists of micron-sized synthetic diamond powders bonded together by sintering at high pressures and temperatures.

Monocrystalline diamond exhibits different properties on different crystallographic planes in different crystallographic directions, whereas the polycrystalline form is 'isotropic' - exhibiting uniform properties in all directions.

The varying orientation of the constituent micron-sized synthetic diamond grains also provides a greater resistance to cleavage and is therefore, a stronger material.

CUTTING POSSIBILITIES

DIAMOND IS THE HARDEST MATERIAL KNOWN TO MAN, ITS HARDNESS AND PHYSICAL PROPERTIES MAKES IT THE IDEAL MATERIAL FOR CUTTING AND GRINDING TOOLS. PREZISS PCD INSERTS REPRESENTS A COST SAVING IN CUTTING TOOLS.
ESPECIALLY DESIGNED FOR HIGHER PRODUCTIVITY AND LONGER TOOL LIFE. A TOOL FOR BOTH HARD AND TOUGH MATERIALS AS WELL AS FOR SOFT ABRASIVE MATERIALS SUCH AS PLASTICS, GRAPHITE, COPPER AND BRASS.

BENEFITS OF PCD

- Consistent uniform wear, excellent thermal stability and ultimate wear resistance
- Delivers unparalleled part quality over long production runs
- Minimises machine down-time
- cost effective in the production
- long tool life

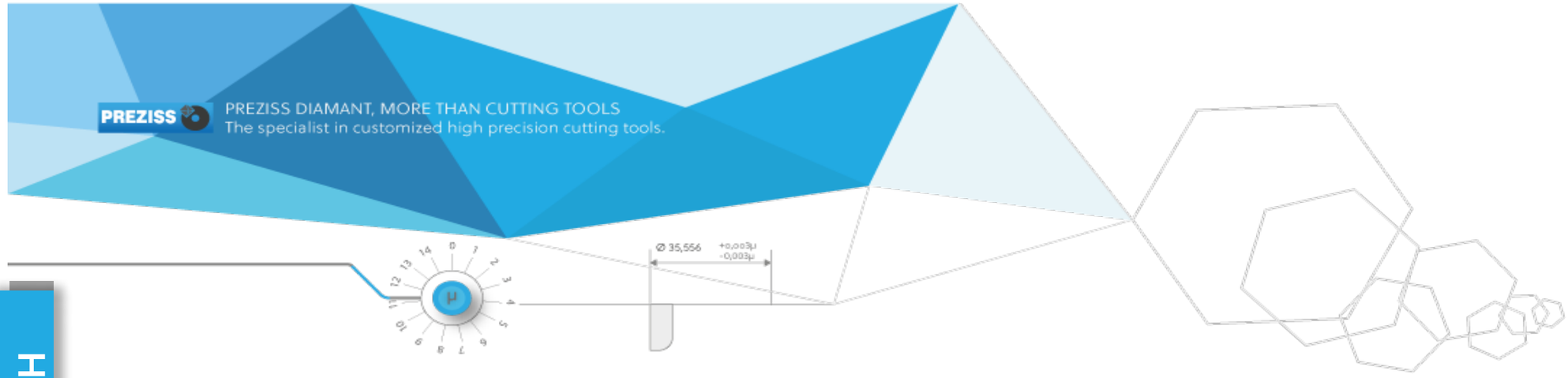
TECH

"C" TYPE

"D" TYPE

"S" TYPE

"T" TYPE



Polycrystalline Diamond (PCD) tools

"PCD" consist of a layer of synthetic diamond crystals bonded to each other and to a cemented carbide substance. This combination of tool materials is possible through a sophisticated high temperature / high pressure process developed over the years by the technical staff at General Electric Company.

-Random orientation of the diamond crystals means hardness and abrasion resistance are uniformly high in all directions.

-Crystal to crystal bonding of the diamond layer significantly reduces the chance of gross fracture under impact.

-The tungsten carbide substrate provides strong support for the diamond layer to further increase impact resistance.

-The diamond layer is flush with the substrate (no overhang) to expedite tool fabrication.

-The diamond controlled manufacturing process means physical properties are very consistant from blank to blank.

PCD Inserts:

-PCD Inserts are used in CNC turning, milling and fine boring operations for finishing PRECISION non-ferrous material parts. A highly polished or "diamond" surface finish is achieved when using PCD inserts.

Range of non-ferrous metals and nonmetallic materials:

Nonferrous Metals:	Nonmetallic Materials:
Aluminum alloys	Epoxy resins
Sillicon-aluminum alloys	Fiberglass composits
Brass and bronze alloys	Carbon-phenolic
Copper alloys	Hard rubber
Zinc alloys	Plastics
Magnesium alloys	Ceramics (unfired)
Presintered tungsten carbide	Graphite
Sintered tungsten carbide	

CVD tools

-Solid polycrystalline CVD-diamond without binder and without carbide reinforcement, perfect cutting edge sharpness and cutting edges without any microdamage.
No cutting pressure and smallest tolerances. Highest wear resistance and very high thermal conductivity, higher toughness.

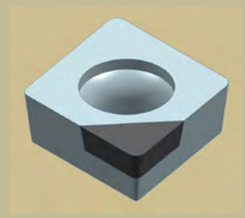
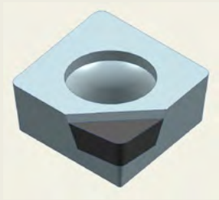
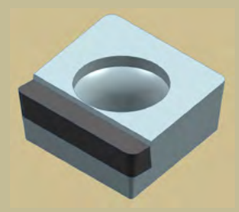
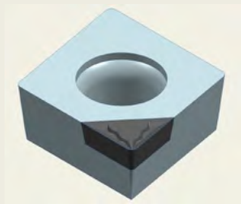
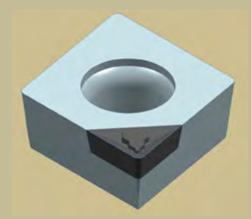
PREZISS CVD (chemical vapor depostion diamond) tipped insert grades give you efficient production, ranging from high speed machining to heavy interrupted cutting.

Advantages of CVD Inserts:

-CVD inserts offer a wide range of applications from low to high speed and finishing to roughing.
-CVD inserts provide stable machining due to high toughness and crack resistance.
-CVD inserts reduce machining time and provide good chip control with various mol ded-in chip breakers.

TECH
"T" TYPE "S" TYPE "D" TYPE "C" TYPE

Designation	CHARACTERISTICS	APP.
PCD-X	**Polycrystalline Diamond** (compound cutting material) Ultra-fine grain structure perfectly suitable with turning and milling applications where extreme chip resistance means a challenge.	- Aluminium casting alloys (Si ≤ 12%) - Aluminium casting alloys (Si > 12%) - MMC (Metal Matrix composites) - Ceramic (green / sintered) - Copper and its alloys - Magnesium and its alloys - CFRP's (Carbon Fiber Reinforced Plastic) - GFRP's (Glass Fiber Reinforced Plastic) - Titanium
PCD-B	**Polycrystalline Diamond** (compound cutting material) Fine grain structure ideal for a wide range of applications where is required a good balance of toughness and wear resistance.	- Aluminium casting alloys (Si ≤ 12%) - Aluminium casting alloys (Si > 12%) - MMC (Metal Matrix composites) - Copper and its alloys - Magnesium and its alloys - Bi-Metals - Grey cast iron - High strength irons - Titanium
CVD-M	**Solid Polycrystalline Diamond** (without binder) Superior abrasion resistance and thermal conductivity in comparison with PCD grades makes it the perfect choice for high abrasion materials.	- Aluminium casting alloys (Si > 12%) - MMC (Metal Matrix composites) - CFRP's (Carbon Fiber Reinforced Plastic) - GFRP's (Glass Fiber Reinforced Plastic) - Grey cast iron - High strength irons

cutting GEOMETRIES		cutting MATERIAL	App. RECOMENDED
	FLAT	PCD-X PCD-B CVD-M	**MEDIUM CUTTING PRESSURE** Tolerance range: accurate Surface finish: good Workpiece: solid / firm Without chip breaker
	FLAT +	PCD-X PCD-B CVD-M	**LOW CUTTING PRESSURE** Tolerance range: accurate Surface finish: medium Workpiece: instable / thin wall Without chip breaker
	FLAT + R/L	PCD-X PCD-B CVD-M	**LOW CUTTING PRESSURE** Tolerance range: accurate Surface finish: medium Workpiece: instable / thin wall Without chip breaker High cutting depth
	CH-S	PCD-X PCD-B CVD-M	**LOWEST CUTTING PRESSURE** Tolerance range: improved Surface finish: improved Workpiece: instable / thin wall Chip breaker
	CH-H	PCD-X PCD-B CVD-M	**HIGH CUTTING PRESSURE** Tolerance range: improved Surface finish: high Workpiece: solid / firm Chip breaker

TECH

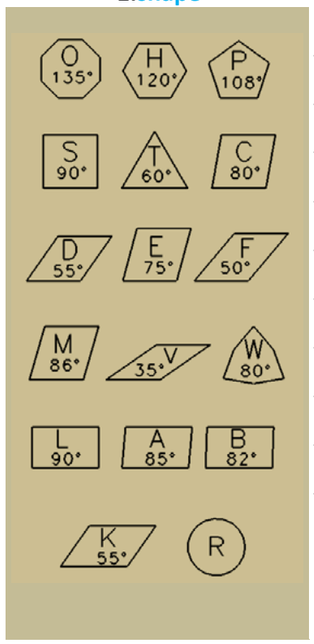
"C" TYPE

"D" TYPE

"S" TYPE

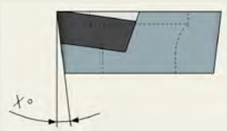
"T" TYPE

1.shape



2.clearance

A	3°
B	5°
C	7°
D	15°
E	20°
F	25°
G	30°
N	0°
P	11°
O	Others°

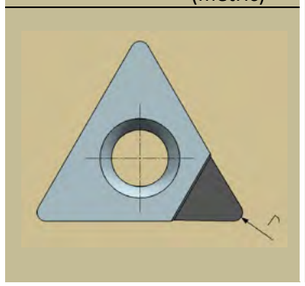


3.tolerance

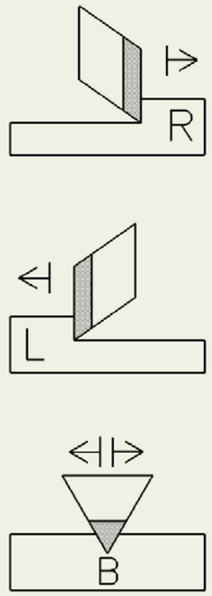
symbol	(m)	(s)	I.C. (d)
A	±0.005	±0.025	±0.025
F	±0.005	±0.025	±0.013
C	±0.013	±0.025	±0.025
H	±0.013	±0.025	±0.013
E	±0.025	±0.025	±0.025
G	±0.025	±0.13	±0.025
J	±0.005	±0.025	±0.05 ±0.13
K	±0.013	±0.025	±0.05 ±0.13
L	±0.025	±0.025	±0.05 ±0.13
M	±0.08 ±0.18	±0.13	±0.05 ±0.13
N	±0.08 ±0.18	±0.025	±0.05 ±0.13
U	±0.13 ±0.38	±0.13	±0.08 ±0.25

7.corner

02	0,2 mm
04	0,4 mm
08	0,8 mm
12	1,2 mm
16	1,6 mm
00	Round insert (inch)
M0	Round insert (metric)



8.cutting direction



9.cutting material

X
Medium – High Silicon content. Roughing and finishing apps. Extreme chip resistance.

B
Low – Medium Silicon content. Roughing and finishing apps. Good chip resistance.

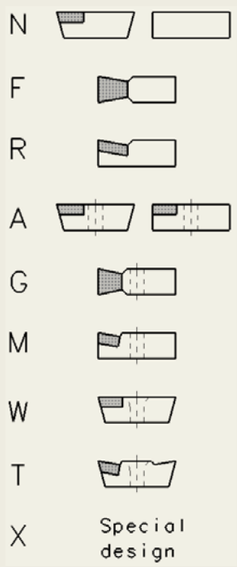
M
Non-ferrous materials with high abrasive content. Semi finishing and super finishing apps.

See more info in tech-section.

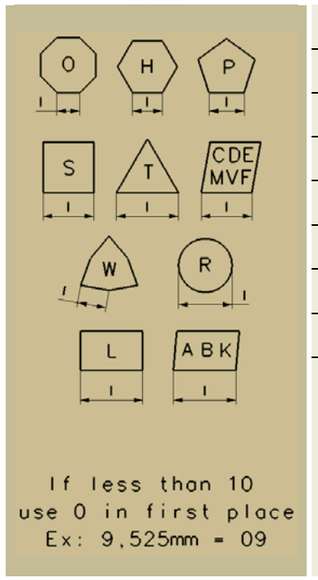
1	2	3	4	5	6
T	C	G	T	09	02

7	8	9	10	11	12
04	B	X	H	P	W

4.type

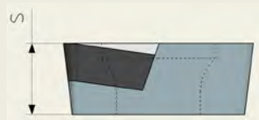


5.size



6.thickness

01	1,59 mm
T1	1,98 mm
02	2,38 mm
03	3,18 mm
T3	3,97 mm
04	4,76 mm
05	5,56 mm
06	6,35 mm



10.chip breaker

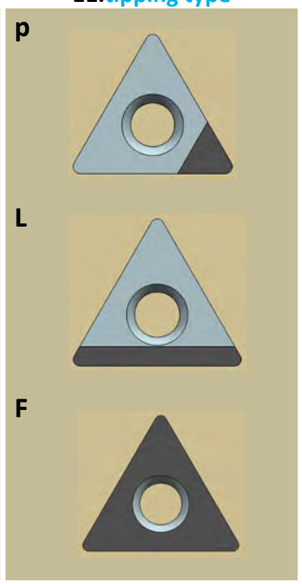
F
Without chipbreaker

S
3D chip breaker geometry for finishing and super finishing apps with small tolerances.
ap = 0.05mm – 1.5mm

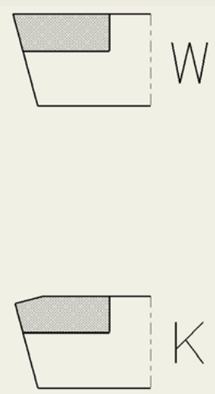
H
3D chip breaker geometry for roughing, semi finishing, finishing and super finishing apps with small tolerances.
ap = 0.5mm – 2mm

See more info in tech-section.

11.tipping type



12.cutting edge



advanced materials to machine perfection

PREZISS

Turning | ISO

PREZISS GROUP MATERIAL

TECH

"C" TYPE

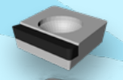
"D" TYPE

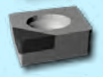
"S" TYPE

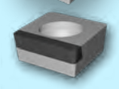
"T" TYPE

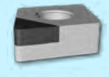
MATERIAL GROUP	PREZISS # GROUP	MATERIAL	MATERIAL EXAMPLE DIN	MATERIAL EXAMPLE W-Nr	STRENGH (N/mm2)	HARDNESS HB
P	P.1	Non alloyed steels: structural, cast, case hardened steels	St37-2 ; 9SMn28 ; St44-2	1.0037 ; 1.0715 ; 1.0044	≤ 500	
	P.2	Non alloyed steels ; Low alloyed steels	St52-2 ; C55 ; 16MnCr5	1.0050 ; 1.0525 ; 1,7131	500-900	
	P.3	Lead alloys	9SMnPb28	1.0718	< 500	
	P.4	Non alloyed / Low alloyed steels Heat resistant structural ; Heat treated ; Nitride ; Tools steel	42CrMo4 ; CK60	1.7225 ; 1.1221	> 900	
	P.5	High alloyed steels	X6CrMo4 ; X165CrMoV12	1.2341 ; 1.2601	> 900	
M	M.1	Stainless steel - Austenitic	X2CrNi189 ; X5CrNiMo1810	1.4306 ; 1.4401	≤ 600	
	M.2	Stainless steel	X8CrNb17 ; X10CrNiMoTi1810	1.4511 ; 1.4571	< 900	
	M.3	Stainless / Heat resisting steel	X10CrAl7 ; X8CrS-38-18	1.4713 ; 1.4862	> 900	
S	S.1	Special alloys: Inconel ; Nimonic	Inconel 718 ; Nimonic 80A	2.4668 ; 2.4631		250
	S.2	Titanium & titanium alloys	TiAl5Sn2	3.7114	400	
H	H.1	Hardened steels ↓ 45 HRC			1400	
	H.2	Hardened steels ↑ 45 HRC			1800	
K	K.1	Grey cast iron	GG-25 ; GG-35	0.6025 ; 0.6035		180
	K.2	Alloyed gray cast iron	GG-NiCr202	0.6660		250
	K.3	Spheroidal graphite cast iron - ferritic	GGG-40	0.7040	≤ 600	130
	K.4	Spheroidal graphite cast iron - ferritic - perlitic	GGG-50 ; GGG-55 ; GTW-55	0.7050 ; 0.7055 ; 0.8055		230
	K.5	Spheroidal graphite cast iron – perlitic Malleable cast iron	GGG-60 ; GTS-65 GGG-80	0.7060 ; 0.8165	> 600	250
	K.6	Alloyed spheroidal graphite cast iron	GGG-NiCr20-2	0.7661		200
	K.7	Vermicular cast iron	GGV Ti<0,2 ; GGV Ti>0,2			300
N	N.1	Copper alloy / Brass / lead alloyed Bronze / lead Bronze ↗ cut	CuZn36Pb3 ; G-CuPb15Sn	2.1182 ; 2.1182		90
	N.2	Copper alloy / Brass / Bronze → cut	CuZn40Al1 ; E-Cu57	2.0550 ; 2.0060		100
	N.3	Copper alloy / Bronze / Alu / Manganese / Phosphorus bronze ↘ cut				
	N.4	Wrought aluminum alloy	AlMg1 ; AlMnCu	3.3315 ; 3.0517		60
	N.5	Cast aluminum alloy / Magnesium alloy Si - content ↑ 10 %	GD-AlSi12 ; G-AlSi10Mg	3.2382 ; 3.2383		100
	N.6	Cast aluminum alloy / Magnesium alloy Si - content ↓ 10 %	G-AlSi9Mg ; G-AlSi7Mg	3.2373 ; 3.2371		75

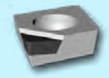

CCGT point

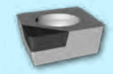

CCGT line

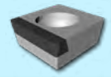

CCGW point

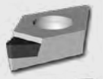

CCGW line


CNGA point


CPGT point

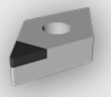

CPGW point


CPGW line


DCGT point

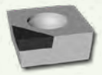

DCGT line

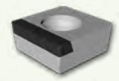

DCGW point


DNGA point

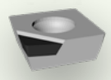

SCGT point


SCGT line

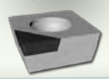

SCGW point

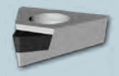

SCGW line

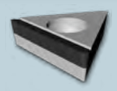

SNGA point

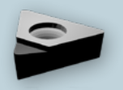

SPGT point

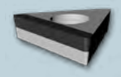

SPGT line

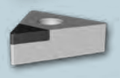

SPGW point

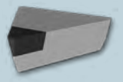

TCGT point


TCGT line


TCGW point


TCGW line


TNGA point


TPGN point

TECH

"C" TYPE

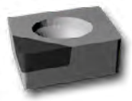
"D" TYPE

"S" TYPE

"T" TYPE

isoTURNING

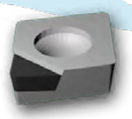
CCGWpoint – positive 7˚



SIZE REF.	PCD-X			PCD-B			CVD-M			DIMENSIONS			
	Flat	CH-S	CH-H	Flat	CH-S	CH-H	Flat	CH-S	CH-H	r	d	s	l
060202	•			•			•			0,2	6,35	2,38	6,5
060204	•			•			•			0,4			
060208				•						0,8			
09T302	•			•			•			0,2	9,52	3,97	9,7
09T304	•			•			•			0,4			
09T308				•			•			0,8			
120404	•			•						0,4	12,70	4,76	12,9
120408				•						0,8			

isoTURNING

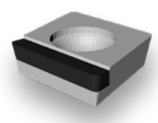
CCGTpoint – positive 7˚



SIZE REF.	PCD-X			PCD-B			CVD-M			DIMENSIONS			
	Flat	CH-S	CH-H	Flat	CH-S	CH-H	Flat	CH-S	CH-H	r	d	s	l
060202	•		•	•	•			•	•	0,2	6,35	2,38	6,5
060204			•	•	•	•		•	•	0,4			
060208			•	•	•			•	•	0,8			
09T302	•		•	•	•				•	0,2	9,52	3,97	9,7
09T304			•	•	•			•	•	0,4			
09T308			•	•	•				•	0,8			
120404	•		•	•	•				•	0,4	12,70	4,76	12,9
120408			•	•	•				•	0,8			

isoTURNING

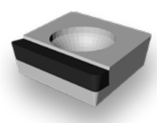
CCGWline – positive 7˚



SIZE REF.	PCD-X			PCD-B			CVD-M			DIMENSIONS			
	Flat	CH-S	CH-H	Flat	CH-S	CH-H	Flat	CH-S	CH-H	r	d	s	l
060204R/L				•						0,4	6,35	2,38	6,5
060208R/L				•						0,8			
09T308R/L				•						0,8	9,52	3,97	9,7
09T312R/L				•						1,2			
120412R/L				•						1,2	12,70	4,76	12,9

isoTURNING

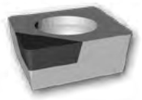
CCGTline – positive 7˚



SIZE REF.	PCD-X			PCD-B			CVD-M			DIMENSIONS			
	Flat	CH-S	CH-H	Flat	CH-S	CH-H	Flat	CH-S	CH-H	r	d	s	l
060204R/L	•	○								0,4	6,35	2,38	6,5
060208R/L	•	○	○							0,8			
09T308R/L	•		○							0,8	9,52	3,97	9,7
09T312R/L	•									1,2			
120412R/L	•									1,2	12,70	4,76	12,9

isoTURNING

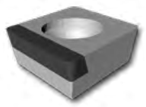
CPGWpoint – positive 11˚



SIZE REF.	PCD-X			PCD-B			CVD-M			DIMENSIONS			
	Flat	CH-S	CH-H	Flat	CH-S	CH-H	Flat	CH-S	CH-H	r	d	s	l
060202	•			•						0,2	6,35	2,38	6,5
060204				•						0,4			
060208				•						0,8			
09T304				•						0,4	9,52	3,97	9,7
09T308				•						0,8			
120404				•						0,4	12,70	4,76	12,9
120408				•						0,8			

isoTURNING

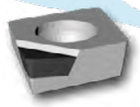
CPGWline – positive 11˚



SIZE REF.	PCD-X			PCD-B			CVD-M			DIMENSIONS			
	Flat	CH-S	CH-H	Flat	CH-S	CH-H	Flat	CH-S	CH-H	r	d	s	l
060204R/L				•						0,4	6,35	2,38	6,5
09T308R/L				•						0,8	9,52	3,97	9,7
120408R/L				•						0,8	12,70	4,76	12,9
120412R/L				•						1,2			

isoTURNING

CPGTpoint – positive 11˚



SIZE REF.	PCD-X			PCD-B			CVD-M			DIMENSIONS			
	Flat	CH-S	CH-H	Flat	CH-S	CH-H	Flat	CH-S	CH-H	r	d	s	l
060202	•		•	•	•	•				0,2	6,35	2,38	6,5
060204				•	•	•				0,4			
060208				•						0,8			

isoTURNING

CNGApoint – negative 0˚

SIZE REF.	PCD-X			PCD-B			CVD-M			DIMENSIONS			
	Flat	CH-S	CH-H	Flat	CH-S	CH-H	Flat	CH-S	CH-H	r	d	s	l
120404	•			•						0,4	12,70	4,76	12,9
120408	•			•						0,8			
120412	•			•						1,2			

"C" TYPE TECH

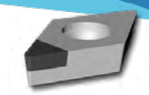
"D" TYPE

"S" TYPE

"T" TYPE

isoTURNING

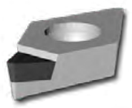
DCGWpoint – positive 7˚



SIZE REF.	PCD-X			PCD-B			CVD-M			DIMENSIONS			
	Flat	CH-S	CH-H	Flat	CH-S	CH-H	Flat	CH-S	CH-H	r	d	s	l
070202	●			●			●			0,2	6,35	2,38	7,75
070204	●			●			●			0,4			
070208	●			●			●			0,8			
110302				○						0,2	9,52	3,18	11,6
110304				○						0,4			
110308				○						0,8			
11T302	●			●			●			0,2	9,52	3,97	11,6
11T304	●			●			●			0,4			
11T308	●			●			●			0,8			
150404				●						0,4	12,70	4,76	15,5
150408				●						0,8			

isoTURNING

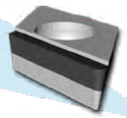
DCGTpoint – positive 7˚



SIZE REF.	PCD-X			PCD-B			CVD-M			DIMENSIONS			
	Flat	CH-S	CH-H	Flat	CH-S	CH-H	Flat	CH-S	CH-H	r	d	s	l
070202	○	○	●	●	●		○	●	●	0,2	6,35	2,38	7,75
070204		○	●	●	●		○	●	●	0,4			
070208		○	●	●	●		○	●	●	0,8			
11T302	○	○	●	●	●		○	●	●	0,2	9,52	3,97	11,6
11T304		○	●	●	●		○	●	●	0,4			
11T308		○	●	●	●		○	●	●	0,8			

isoTURNING

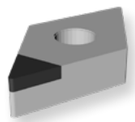
DCGTline – positive 7˚



SIZE REF.	PCD-X			PCD-B			CVD-M			DIMENSIONS			
	Flat	CH-S	CH-H	Flat	CH-S	CH-H	Flat	CH-S	CH-H	r	d	s	l
070204R/L	●			●						0,4	6,35	2,38	7,75
070208R/L	●			●						0,8			
11T304R/L	●			●						0,4	9,52	3,97	11,6
11T308R/L	●			●						0,8			
11T312R/L	○			○						1,2			

isoTURNING

DNGApoint – negative 0˚



SIZE REF.	PCD-X			PCD-B			CVD-M			DIMENSIONS			
	Flat	CH-S	CH-H	Flat	CH-S	CH-H	Flat	CH-S	CH-H	r	d	s	l
150404	●			●						0,4	6,35	2,38	7,75
150408	●			●						0,8			
150412	●			●						1,2			
150604	●			●						0,4	9,52	3,97	11,6
150608	●			●						0,8			
150612	●			●						1,2			

"C" TYPE TECH

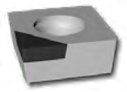
"D" TYPE

"S" TYPE

"T" TYPE

isoTURNING

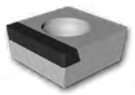
SCGWpoint – positive 7˚



SIZE REF.	PCD-X			PCD-B			CVD-M			DIMENSIONS			
	Flat	CH-S	CH-H	Flat	CH-S	CH-H	Flat	CH-S	CH-H	r	d	s	l
09T302							•			0,2	9,52	3,97	9,52
09T304	•			•			•			0,4			
09T308				•			•			0,8			
09T312				•						1,2			
120404	•			•						0,4	12,70	4,76	12,70
120408				•						0,8			
120412				•						1,2			

isoTURNING

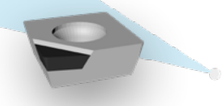
SCGWline – positive 7˚



SIZE REF.	PCD-X			PCD-B			CVD-M			DIMENSIONS			
	Flat	CH-S	CH-H	Flat	CH-S	CH-H	Flat	CH-S	CH-H	r	d	s	l
09T304				•						0,4	9,52	3,97	9,52
09T308				•						0,8			
120404				•						0,4	12,70	4,76	12,70
120408				•						0,8			
120412				•						1,2			

isoTURNING

SCGTpoint – positive 7˚



SIZE REF.	PCD-X			PCD-B			CVD-M			DIMENSIONS			
	Flat	CH-S	CH-H	Flat	CH-S	CH-H	Flat	CH-S	CH-H	r	d	s	l
09T304	•		•		•			•	•	0,4	9,52	3,97	9,52
09T308	•		•		•			•	•	0,8			
09T312	•									1,2			

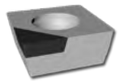
isoTURNING

SCGTline – positive 7˚

SIZE REF.	PCD-X			PCD-B			CVD-M			DIMENSIONS			
	Flat	CH-S	CH-H	Flat	CH-S	CH-H	Flat	CH-S	CH-H	r	d	s	l
09T308	•									0,8	9,52	3,97	9,52
09T312	•									1,2			
120408	•									0,8	12,70	3,76	12,70
120412	•									1,2			

isoTURNING

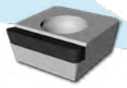
SPGWpoint – positive 11˚



SIZE REF.	PCD-X Flat	PCD-X CH-S	PCD-X CH-H	PCD-B Flat	PCD-B CH-S	PCD-B CH-H	CVD-M Flat	CVD-M CH-S	CVD-M CH-H	DIMENSIONS r	d	s	l
09T304				•						0,4			
09T308				•						0,8	9,52	3,97	9,52
09T312				•						1,2			

isoTURNING

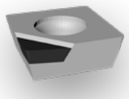
SPGTline – positive 11˚



SIZE REF.	PCD-X Flat	PCD-X CH-S	PCD-X CH-H	PCD-B Flat	PCD-B CH-S	PCD-B CH-H	CVD-M Flat	CVD-M CH-S	CVD-M CH-H	DIMENSIONS r	d	s	l
09T308	•									0,8	9,52	3,97	9,52
09T312	•									1,2			

isoTURNING

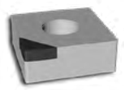
SPGTpoint – positive 11˚



SIZE REF.	PCD-X Flat	PCD-X CH-S	PCD-X CH-H	PCD-B Flat	PCD-B CH-S	PCD-B CH-H	CVD-M Flat	CVD-M CH-S	CVD-M CH-H	DIMENSIONS r	d	s	l
09T304	•									0,4			
09T308	•									0,8	9,52	3,97	9,52
09T312	•									1,2			

isoTURNING

SNGApoint – negative 0˚



SIZE REF.	PCD-X Flat	PCD-X CH-S	PCD-X CH-H	PCD-B Flat	PCD-B CH-S	PCD-B CH-H	CVD-M Flat	CVD-M CH-S	CVD-M CH-H	DIMENSIONS r	d	s	l
120404	•			•						0,4			
120408	•			•						0,8	12,70	4,76	12,70
120412	•			•						1,2			

"C" TYPE TECH
"D" TYPE
"S" TYPE
"T" TYPE

"C" TYPE TECH

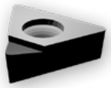
"D" TYPE

"S" TYPE

"T" TYPE

isoTURNING

TCGWpoint – positive 7˚



SIZE REF.	PCD-X Flat	PCD-X CH-S	PCD-X CH-H	PCD-B Flat	PCD-B CH-S	PCD-B CH-H	CVD-M Flat	CVD-M CH-S	CVD-M CH-H	DIMENSIONS r	d	s	l
090202	•			•						0,2			
090204	•			•			○			0,4	5,56	2,38	9,6
090208				•			○			0,8			
110202	•			•			•			0,2			
110204	•			•			•			0,4	6,35	2,38	11,0
110208				•			•			0,8			
16T304				•			•			0,4			
16T308				•			•			0,8	9,52	3,97	16,5
16T312				•						1,2			

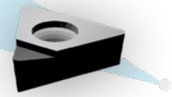
isoTURNING

TCGWline – positive 7˚

SIZE REF.	PCD-X Flat	PCD-X CH-S	PCD-X CH-H	PCD-B Flat	PCD-B CH-S	PCD-B CH-H	CVD-M Flat	CVD-M CH-S	CVD-M CH-H	DIMENSIONS r	d	s	l
090208				•			○			0,8	5,56	2,38	9,6
110204				•			○			0,4	6,35	2,38	11,0
110208				•						0,8			
16T304				•						0,4	9,52	3,97	16,5
16T308				•						0,8			

isoTURNING

TCGTpoint – positive 7˚



SIZE REF.	PCD-X Flat	PCD-X CH-S	PCD-X CH-H	PCD-B Flat	PCD-B CH-S	PCD-B CH-H	CVD-M Flat	CVD-M CH-S	CVD-M CH-H	DIMENSIONS r	d	s	l
090202	•		•	•	•		•	•	•	0,2			
090204	•		•	•	•		•	•	•	0,4	5,56	2,38	9,6
090208				•						0,8			
110202	•		•	•	•		•	•	•	0,2			
110204	•		•	•	•		•	•	•	0,4	6,35	2,38	11,0
110208				•						0,8			
16T304	•		•	•	•		•	•	•	0,4	9,52	3,97	16,5
16T308				•						0,8			

isoTURNING

TCGTline – positive 7˚

SIZE REF.	PCD-X Flat	PCD-X CH-S	PCD-X CH-H	PCD-B Flat	PCD-B CH-S	PCD-B CH-H	CVD-M Flat	CVD-M CH-S	CVD-M CH-H	DIMENSIONS r	d	s	l
090204	•			○					○	0,4	5,56	2,38	9,6
090208	•			○						0,8			
110204	•			○					○	0,4			
110208	•			○						0,8	6,35	2,38	11,0
110212	•			○						1,2			
16T304	•			○						0,4	9,52	3,97	16,5
16T308	•			○						0,8			

isoTURNING

TPGNpoint – positive 7˚

SIZE REF.	PCD-X			PCD-B			CVD-M			DIMENSIONS			
	Flat	CH-S	CH-H	Flat	CH-S	CH-H	Flat	CH-S	CH-H	r	d	s	l
110302	•			•						0,2			
110304	•			•			○			0,4	6,35	3,18	11,0
110308				•						0,8			
160304	•			•						0,4			
160308	•			•			○			0,8	9,52	3,18	16,5
160312				•						1,2			

isoTURNING

TNGApoint – negative 0˚

SIZE REF.	PCD-X			PCD-B			CVD-M			DIMENSIONS			
	Flat	CH-S	CH-H	Flat	CH-S	CH-H	Flat	CH-S	CH-H	r	d	s	l
160404	•			•						0,4			
160408	•			•						0,8	9,52	4,76	16,5
160412	•			•						1,2			

PREZISS anti-vibration boring bars

polígono industrial “Les Pedreres” nave A-1, riera de Sant Jordi
08390 Montgat - Barcelona (Spain)
tel.: 34 93 469 03 51 fax: 34 93 320 39 03
e-mail: preziss@preziss.com
www.prezisstools.com
www.preziss.com