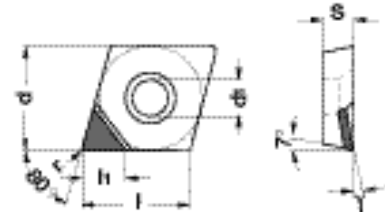
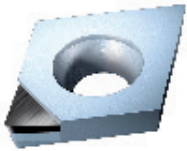
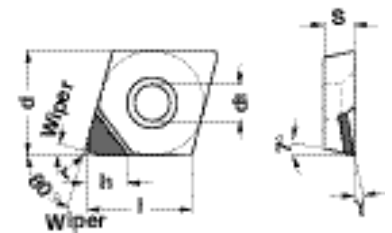
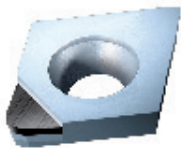


CCGT Positiv
Positive



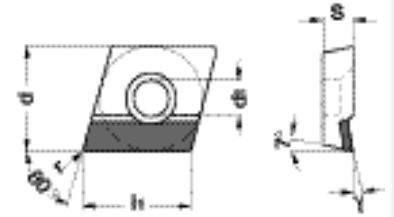
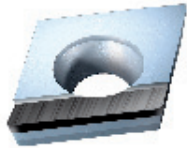
Bezeichnung Designation	PizPuin	Sonnblick	Habicht 08	Abmessungen Dimensions mm											
				PCD			CVD				d	d ₁	s	l	r
CCGT 060201 FN	●	●	●										0,1	3,5	3,0
CCGT 060202 FN	●	●	●										0,2	3,4	3,0
CCGT 060204 FN	●		●	6,35	2,8	2,38	6,45						0,4	3,2	3,0
CCGT 060208 FN	●		●										0,8	3,0	3,0
CCGT 09T301 FN			●												3,0
CCGT 09T302 FN	●	●	●										0,2	4,5	3,0
CCGT 09T304 FN	●		●	9,52	4,4	3,97	9,7						0,4	4,3	3,0
CCGT 09T308 FN	●		●										0,8	4,1	3,0
CCGT 09T312 FN			●												3,0
CCGT 120404 FN	●	●		12,7	5,5	4,76	12,9						0,4	4,3	
CCGT 120408 FN	●												0,8	4,1	

CCGT Positiv-Neutral-Wiper
Positive neutral wiper edge



Bezeichnung Designation	PizPuin	Sonnblick	Habicht 08	Abmessungen Dimensions mm											
				PCD			CVD				d	d ₁	s	l	r
CCGT 060201 FN-W	●	●											0,1	3,4	2,6
CCGT 060202 FN-W	●	●		6,35	2,8	2,38	6,45						0,2	3,3	2,4
CCGT 060204 FN-W	●												0,4	3,1	2,2
CCGT 09T301 FN-W	●	●											0,1	4,5	2,6
CCGT 09T302 FN-W	●	●		9,52	4,4	3,97	9,7						0,2	4,4	2,4
CCGT 09T304 FN-W	●												0,4	4,2	2,2
CCGT 120402 FN-W	●	●		12,7	5,5	4,76	12,9						0,2	4,4	
CCGT 120404 FN-W	●	●											0,4	4,2	

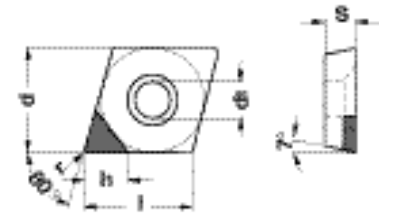
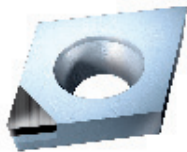
CCGT Positiv Ganze Schneide Whole edge positive



Diamond ISO Cut

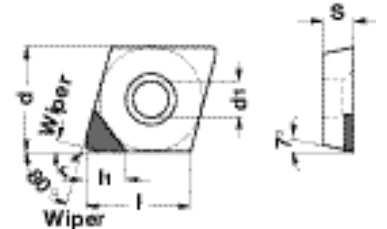
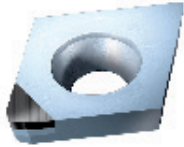
Bezeichnung Designation	PizPuin	Sonnblick	Habicht 08	Abmessungen Dimensions mm						
				PCD			CVD			
				d	d ₁	s	l	r	l ₁	l ₂
CCGT 060204 FR/L -GS		●		6,35	2,8	2,38		0,4	6,45	
CCGT 060208 FR/L -GS		●						0,8	6,45	
CCGT 09T308 FR/L -GS		●						0,8	9,7	
CCGT 09T312 FR/L -GS		●		9,52	4,4	3,97		1,2	9,7	
CCGT 120412 FR/L -GS		●		12,7	5,5	4,76		1,2	12,9	

CCGW Neutral Neutral



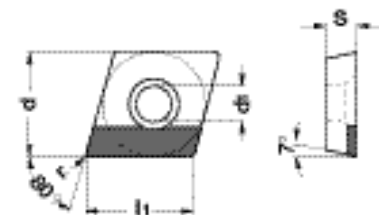
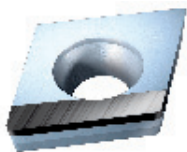
Bezeichnung Designation	PizPuin	Sonnblick	Habicht 08	Abmessungen Dimensions mm						
				PCD			CVD			
				d	d ₁	s	l	r	l ₁	l ₂
CCGW 060201 FN			●							3,0
CCGW 060202 FN	●	●	●					0,2	3,4	3,0
CCGW 060204 FN	●	●	●	6,35	2,8	2,38	6,45	0,4	3,2	3,0
CCGW 060208 FN	●		●					0,8	3,0	3,0
CCGW 09T301 FN			●							3,0
CCGW 09T302 FN	●	●	●					0,2	4,5	3,0
CCGW 09T304 FN	●	●	●	9,52	4,4	3,97	9,7	0,4	4,3	3,0
CCGW 09T308 FN	●		●					0,8	4,1	3,0
CCGW 09T312 FN			●							3,0
CCGW 120404 FN	●	●						0,4	4,3	
CCGW 120408 FN	●			12,7	5,5	4,76	12,9	0,8	4,1	

CCGW Neutral-Wiper Neutral wiper edge



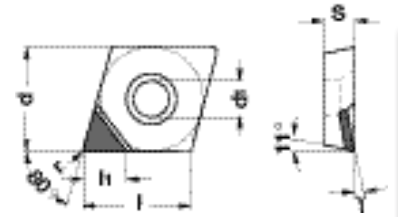
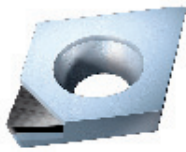
Bezeichnung Designation	PizPuin	Sonnblick	Habicht 08	Abmessungen Dimensions mm											
				PCD			CVD				d	d ₁	s	l	r
CCGW 060201 FN -W	●	●											0,1	3,4	2,5
CCGW 060202 FN -W	●	●		6,35	2,8	2,38	6,45						0,2	3,3	2,3
CCGW 060204 FN -W	●												0,4	3,1	2,1
CCGW 09T301 FN -W	●	●											0,1	4,5	2,5
CCGW 09T302 FN -W	●	●		9,52	4,4	3,97	9,7						0,2	4,4	2,3
CCGW 09T304 FN -W	●												0,4	4,2	2,1
CCGW 120402 FN -W	●	●											0,2	4,4	2,3
CCGW 120404 FN -W	●	●		12,7	5,5	4,76	12,9						0,4	4,2	2,1

CCGW Neutral-Ganze Schneide Whole edge neutral



Bezeichnung Designation	PizPuin	Sonnblick	Habicht 08	Abmessungen Dimensions mm											
				PCD			CVD				d	d ₁	s	l	r
CCGW 060204 FN/L -GS	●												0,4	6,45	
CCGW 060208 FN/L -GS	●			6,35	2,8	2,38							0,8	6,45	
CCGW 09T308 FN/L -GS	●												0,8	9,7	
CCGW 09T312 FN/L -GS	●			9,52	4,4	3,97							1,2	9,7	
CCGW 120408 FN/L -GS	●			12,7	5,5	4,76							0,8	12,9	

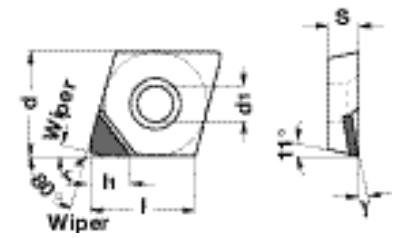
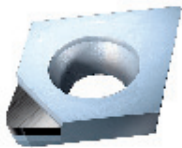
CPGT Positiv-Neutral Positive neutral



Diamond ISO Cut

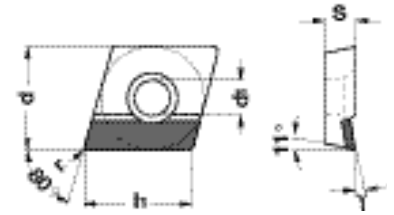
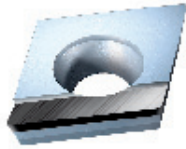
Bezeichnung Designation	PizPuin	Sonnblick	Habicht 08	Abmessungen Dimensions mm						
				PCD				CVD		
				d	d ₁	s	l	r	l ₁	l ₂
CPGT 04T102 FN	●	●		4,76	2,1	1,98	4,8	0,2	2,2	
CPGT 04T104 FN	●							0,4	2,0	
CPGT 05T102 FN	●	●						0,2	2,4	
CPGT 05T104 FN	●							0,4	2,2	
CPGT 050202 FN	●	●						0,2	2,4	
CPGT 050204 FN	●							0,4	2,2	
CPGT 060201 FN			●							3,0
CPGT 060202 FN	●	●	●					0,2	3,4	3,0
CPGT 060204 FN	●		●	6,35	2,8	2,38	6,45	0,4	3,2	3,0
CPGT 060208 FN	●		●					0,8	3,0	3,0
CPGT 09T301 FN			●							3,0
CPGT 09T302 FN			●							3,0
CPGT 09T304 FN			●							3,0
CPGT 09T308 FN			●							3,0
CPGT 09T312 FN			●							3,0

CPGT Positiv-Neutral-Wiper Positive neutral wiper edge



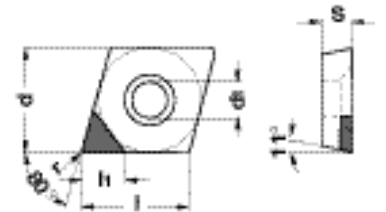
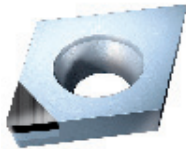
Bezeichnung Designation	PizPuin	Sonnblick	Habicht 08	Abmessungen Dimensions mm						
				PCD				CVD		
				d	d ₁	s	l	r	l ₁	l ₂
CPGT 04T102 FN -W	●	●		4,76	2,1	1,98	4,8	0,2	2,0	
CPGT 04T104 FN -W	●							0,4	1,9	
CPGT 05T102 FN -W	●	●						0,2	2,3	
CPGT 05T104 FN -W	●							0,4	2,1	
CPGT 050202 FN -W	●	●						0,2	2,3	
CPGT 050204 FN -W	●							0,4	2,1	
CPGT 060202 FN -W	●	●						0,2	3,3	
CPGT 060204 FN -W	●			6,35	2,8	2,38	6,45	0,4	3,1	

CPGT Positiv-Ganze Schneide Whole edge positiv



Bezeichnung Designation	PizPuin	Sonnblick	Habicht 08	Abmessungen Dimensions mm												
				PCD			CVD				d	d ₁	s	l	r	l ₁
CPGT 05T104 FR/L -GS	●	●											0,4	5,6		
CPGT 05T108 FR/L -GS	●	●							5,56	2,5	1,98		0,8	5,6		
CPGT 050204 FR/L -GS	●	●											0,4	5,6		
CPGT 050208 FR/L -GS	●	●							5,56	2,5	2,38		0,8	5,6		
CPGT 060208 FR/L -GS	●	●							6,35	2,8	2,38		0,8	6,45		
CPGT 09T312 FR/L -GS	●	●							9,52	4,4	3,97		1,2	9,70		
CPGT 120412 FR/L -GS	●	●							12,7	5,5	4,76		1,2	12,9		

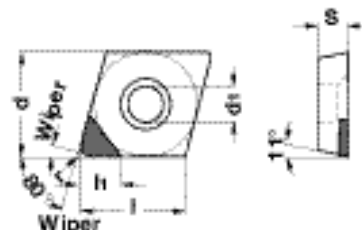
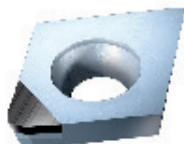
CPGW Neutral / Neutral



Bezeichnung Designation	PizPuin	Sonnblick	Habicht 08	Abmessungen Dimensions mm												
				PCD			CVD				d	d ₁	s	l	r	l ₁
CPGW 04T102 FN	●	●											0,2	2,2		
CPGW 04T104 FN	●	●							4,76	2,1	1,98	4,8	0,4	2,0		
CPGW 05T102 FN	●	●											0,2	2,4		
CPGW 05T104 FN	●	●							5,56	2,5	1,98	5,6	0,4	2,2		
CPGW 050202 FN	●	●											0,2	2,4		
CPGW 050204 FN	●	●							5,56	2,15	2,38	5,6	0,4	2,2		
CPGW 060201 FN	●	●	●													3,0
CPGW 060202 FN	●	●	●										0,2	3,4	3,0	
CPGW 060204 FN	●	●	●						6,35	2,8	2,38	6,45	0,4	3,2	3,0	
CPGW 060208 FN	●	●	●										0,8	3,0	3,0	
CPGW 09T301 FN	●	●	●													3,0
CPGW 09T302 FN	●	●	●													3,0
CPGW 09T304 FN	●	●	●						9,52	4,4	3,97	9,7	0,4	4,3	3,0	
CPGW 09T308 FN	●	●	●										0,8	4,1	3,0	
CPGW 09T312 FN	●	●	●													3,0
CPGW 120404 FN	●	●											0,4	4,3		
CPGW 120408 FN	●	●							12,7	5,5	4,76	12,9	0,8	4,1		

CPGW Neutral-Wiper

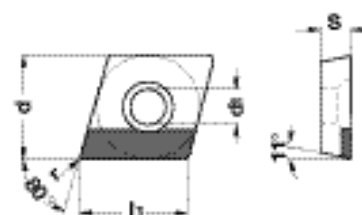
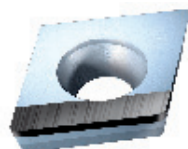
Neutral wiper edge



Bezeichnung Designation	PizPuin	Sonnblick	Habicht 08	Abmessungen Dimensions mm						
				PCD			CVD			
				d	d ₁	s	l	r	l ₁	l ₂
CPGW 04T102 FN -W	●	●		4,76	2,1	1,98	4,85	0,2	2,2	
CPGW 04T104 FN -W	●	●		4,76	2,1	1,98	4,85	0,4	2,0	
CPGW 05T102 FN -W	●	●		5,56	2,15	1,98	5,5	0,2	2,4	2,2
CPGW 05T104 FN -W	●	●		5,56	2,15	1,98	5,5	0,4	2,1	
CPGW 050202 FN -W	●	●		5,56	2,5	2,38	5,5	0,2	2,4	2,2
CPGW 050204 FN -W	●	●		5,56	2,5	2,38	5,5	0,4	2,1	
CPGW 060202 FN -W	●	●		6,35	2,8	2,38	6,45	0,2	3,3	2,3
CPGW 060204 FN -W	●	●		6,35	2,8	2,38	6,45	0,4	3,1	
CPGW 09T302 FN -W	●	●		9,52	4,4	3,97	9,7	0,2	4,4	
CPGW 09T304 FN -W	●	●		9,52	4,4	3,97	9,7	0,4	4,2	
CPGW 120402 FN -W	●	●		12,7	5,5	4,76	12,9	0,2	4,4	
CPGW 120404 FN -W	●	●		12,7	5,5	4,76	12,9	0,4	4,2	

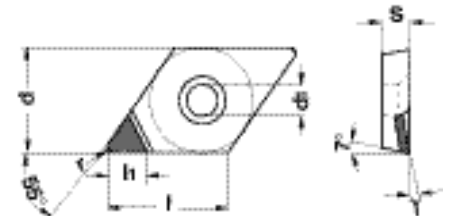
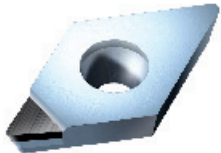
CPGW Ganze Schneide

Whole edge neutral



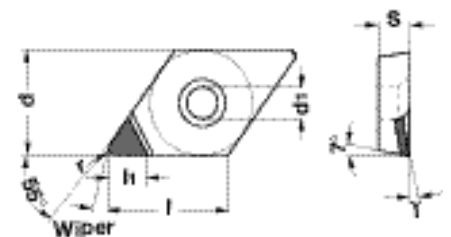
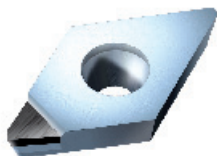
Bezeichnung Designation	PizPuin	Sonnblick	Habicht 08	Abmessungen Dimensions mm						
				PCD			CVD			
				d	d ₁	s	l	r	l ₁	l ₂
CPGW 05T104 FR/L -GS	●			5,56	2,5	1,98		0,4	5,6	
CPGW 050204 FR/L -GS	●			5,56	2,5	2,38		0,4	5,6	
CPGW 060204 FR/L -GS	●			6,35	2,8	2,38		0,4	6,45	
CPGW 060208 FR/L -GS	●			6,35	2,8	2,38		0,8	6,45	
CPGW 09T308 FR/L -GS	●			9,52	4,4	3,97		0,8	9,7	
CPGW 120408 FR/L -GS	●			12,7	5,5	4,76		0,8	12,9	

DCGT Positiv-Neutral
Positive neutral



Bezeichnung <i>Designation</i>	PizPuin	Sonnblick	Habicht 08	Abmessungen <i>Dimensions mm</i>											
				PCD			CVD				d	d ₁	s	l	r
DCGT 070201 FN		●	●										0,1	3,8	3,0
DCGT 070202 FN	●	●	●	6,35	2,8	2,38	7,75						0,2	3,7	3,0
DCGT 070204 FN	●		●										0,4	3,4	3,0
DCGT 070208 FN	●		●										0,8	3,0	3,0
DCGT 11T301 FN		●	●										0,1	4,8	3,0
DCGT 11T302 FN	●	●	●										0,2	4,7	3,0
DCGT 11T304 FN	●		●	9,52	4,4	3,97	11,6						0,4	4,3	3,0
DCGT 11T308 FN	●		●										0,8	4,0	3,0
DCGT 11T312 FN	●												1,2	3,6	

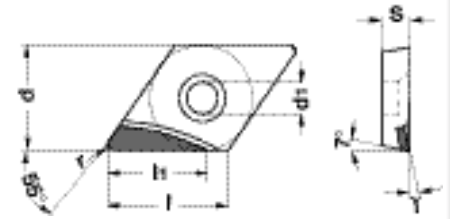
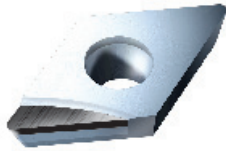
DCGT Positiv R/L-Wiper
Right or left hand wiper edge positive



Bezeichnung <i>Designation</i>	PizPuin	Sonnblick	Habicht 08	Abmessungen <i>Dimensions mm</i>											
				PCD			CVD				d	d ₁	s	l	r
DCGT 070201 FR/L -W		●											0,1	3,0	
DCGT 070202 FR/L -W		●		6,35	2,8	2,38	7,75						0,2	3,0	
DCGT 070204 FR/L -W	●												0,4	3,0	
DCGT 11T301 FR/L -W		●											0,1	4,0	
DCGT 11T302 FR/L -W		●		9,52	4,4	3,97	11,6						0,2	4,0	
DCGT 11T304 FR/L -W	●												0,4	4,0	

DCGT Positiv R/L

Right or left hand positive

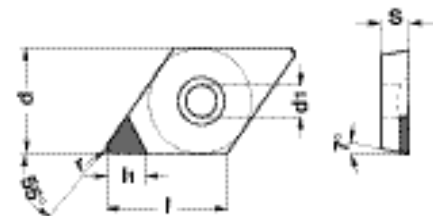
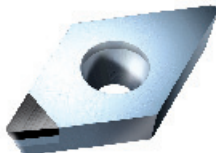


Diamond ISOCut

Bezeichnung Designation	PizPuin	Sonnblick	Habicht 08	Abmessungen Dimensions mm						
	PCD		CVD	d	d ₁	s	l	r	l ₁	l ₂
DCGT 070204 FR/L	●	●	●	6,35	2,8	2,38	7,75	0,4	3,0	
DCGT 070208 FR/L	●	●	●					0,8	3,0	
DCGT 11T304 FR/L	●	●		9,52	4,4	3,97	11,6	0,4	4,0	
DCGT 11T308 FR/L	●	●						0,8	4,0	
DCGT 11T312 FR/L	●	●						1,2	4,0	

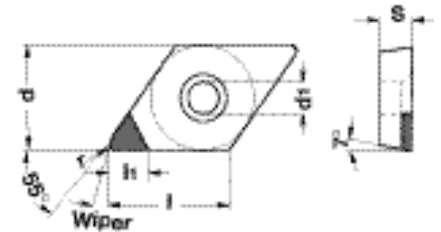
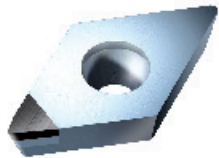
DCGW Neutral

Neutral



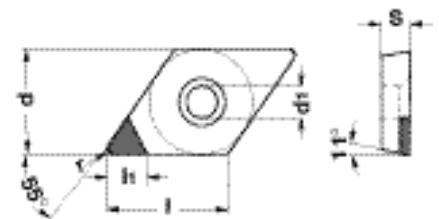
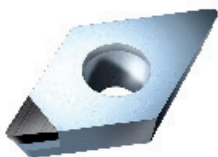
Bezeichnung Designation	PizPuin	Sonnblick	Habicht 08	Abmessungen Dimensions mm						
	PCD		CVD	d	d ₁	s	l	r	l ₁	l ₂
DCGW 070201 FN		●	●	6,35	2,8	2,38	7,75	0,1	3,8	3,0
DCGW 070202 FN	●	●	●					0,2	3,7	3,0
DCGW 070204 FN	●	●	●					0,4	3,4	3,0
DCGW 070208 FN	●	●	●					0,8	3,0	3,0
DCGW 110302 FN	●			9,52	4,4	3,18	11,6	0,2	4,7	
DCGW 110304 FN	●							0,4	4,3	
DCGW 110308 FN	●							0,8	4,0	
DCGW 11T301 FN		●	●	9,52	4,4	3,97	11,6	0,1	4,8	3,0
DCGW 11T302 FN	●	●	●					0,2	4,7	3,0
DCGW 11T304 FN	●	●	●					0,4	4,3	3,0
DCGW 11T308 FN	●	●	●					0,8	4,0	3,0
DCGW 11T312 FN	●	●						1,2	3,6	3,0
DCGW 150404 FN	●							12,7	5,5	4,76
DCGW 150408 FN	●			0,8	4,0					

DCGW R/L-Wiper
Right of left hand wiper edge



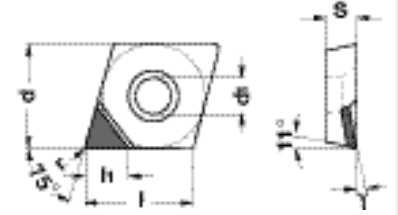
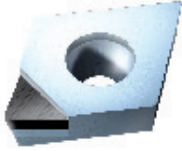
Bezeichnung Designation	PizPuin	Sonnblick	Habicht 08	Abmessungen Dimensions mm												
				PCD				CVD				d	d ₁	s	l	r
DCGW 070201 FR/L -W	●	●	●											0,1	3,0	2,0
DCGW 070202 FR/L -W	●	●	●	6,35	2,8	2,38	7,75							0,2	3,0	2,0
DCGW 070204 FR/L -W	●	●	●											0,4	3,0	2,0
DCGW 11T301 FR/L -W	●	●	●											0,1	4,0	2,0
DCGW 11T302 FR/L -W	●	●	●	9,52	4,4	3,97	11,6							0,2	4,0	2,0
DCGW 11T304 FR/L -W	●	●	●											0,4	4,0	2,0

DPGW Neutral
Neutral



Bezeichnung Designation	PizPuin	Sonnblick	Habicht 08	Abmessungen Dimensions mm												
				PCD				CVD				d	d ₁	s	l	r
DPGW 070202 FN	●													0,2	3,7	
DPGW 070204 FN	●			6,35	2,8	2,38	7,75							0,4	3,4	
DPGW 070208 FN	●													0,8	3,0	
DPGW 11T302 FN	●													0,2	4,7	
DPGW 11T304 FN	●			9,52	4,4	3,97	11,6							0,4	4,3	
DPGW 11T308 FN	●													0,8	4,0	

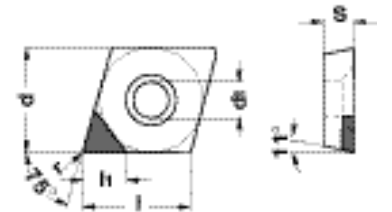
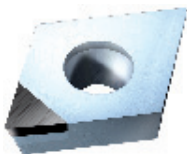
EPGT Positiv-Neutral Positive neutral



Diamond ISO Cut

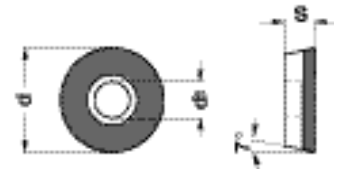
Bezeichnung Designation	PizPuin	Sonnblick	Habicht 08	Abmessungen Dimensions mm												
				PCD				CVD				d	d ₁	s	l	r
EPGT 040202 FN	●									4,76	2,15	2,38	4,8	0,2	2,4	
EPGT 040204 FN	●									4,76	2,15	2,38	4,8	0,4	2,2	
EPGT 050202 FN	●									5,56	2,4	2,38	5,7	0,2	3,0	
EPGT 050204 FN	●									5,56	2,4	2,38	5,7	0,4	2,6	
EPGT 060202 FN	●									6,35	2,8	2,38	6,5	0,2	3,4	
EPGT 060204 FN	●									6,35	2,8	2,38	6,5	0,4	3,2	
EPGT 080302 FN	●													0,2	3,4	
EPGT 080304 FN	●									7,94	3,4	3,18	8,3	0,4	3,2	
EPGT 080308 FN	●													0,8	3,0	

EPGW Neutral Neutral



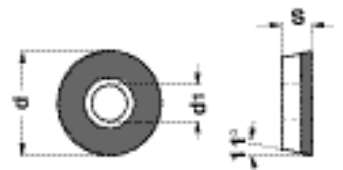
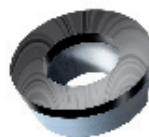
Bezeichnung Designation	PizPuin	Sonnblick	Habicht 08	Abmessungen Dimensions mm												
				PCD				CVD				d	d ₁	s	l	r
EPGW 040202 FN	●									4,76	2,15	2,38	4,8	0,2	2,4	
EPGW 040204 FN	●									4,76	2,15	2,38	4,8	0,4	2,2	
EPGW 050202 FN	●									5,56	2,4	2,38	5,7	0,2	3,0	
EPGW 050204 FN	●									5,56	2,4	2,38	5,7	0,4	2,6	
EPGW 060202 FN	●									6,35	2,8	2,38	6,5	0,2	3,4	
EPGW 060204 FN	●									6,35	2,8	2,38	6,5	0,4	3,2	
EPGW 080302 FN	●													0,2	3,4	
EPGW 080304 FN	●									7,94	3,4	3,18	8,3	0,4	3,2	
EPGW 080308 FN	●													0,8	3,0	

RCGW FullFace
FullFace



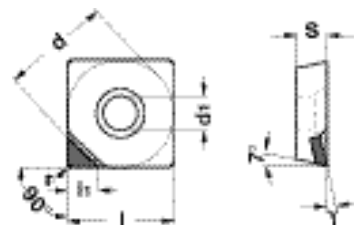
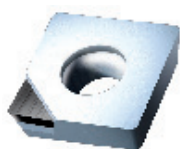
Bezeichnung Designation	PizPuin	Sonnblick	Habicht 08	Abmessungen Dimensions mm												
				PCD			CVD				d	d ₁	s	l	r	l ₁
RCGW 0602M0 -FF	●	●	●					6,0	2,8	2,38						
RCGW 0803M0 -FF	●	●	●					8,0	3,4	3,18						
RCGW 1003M0 -FF	●		●					10,0	4,4	3,18						
RCGW 10T3M0 -FF	●		●					10,0	4,4	3,97						
RCGW 1204M0 -FF	●		●					12,0	4,4	4,76						

RPGW FullFace
FullFace



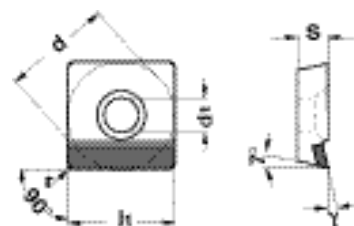
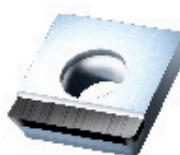
Bezeichnung Designation	PizPuin	Sonnblick	Habicht 08	Abmessungen Dimensions mm												
				PCD			CVD				d	d ₁	s	l	r	l ₁
RPGW 0802M0 -FF	●							8,0	3,4	2,38						
RPGW 1003M0 -FF	●							10,0	4,4	3,18						
RPGW 1204M0 -FF	●							12,0	4,4	4,76						
RPGW 120400 -FF	●							12,7	5,5	4,76						

SCGT Positiv-Neutral Positive neutral



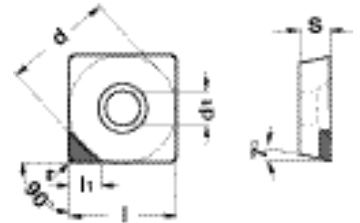
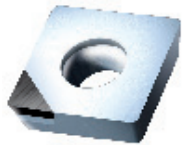
Bezeichnung Designation	PizPuin PCD	Sonnblick	Habicht 08 CVD	Abmessungen Dimensions mm							
				d	d ₁	s	l	r	l ₁	l ₂	
SCGT 09T302 FN			●								3,0
SCGT 09T304 FN		●	●					0,4	4,4		3,0
SCGT 09T308 FN		●	●	9,52	4,4	3,97	9,52	0,8	4,3		3,0
SCGT 09T312 FN		●						1,2	4,2		
SCGT 120408 FN		●						0,8	4,3		
SCGT 120412 FN		●		12,7	5,5	4,76	12,7	1,2	4,2		

SCGT Positiv-Neutral-Ganze Schneide Whole edge positive neutral



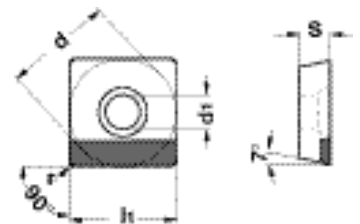
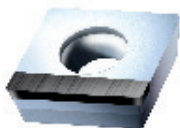
Bezeichnung Designation	PizPuin PCD	Sonnblick	Habicht 08 CVD	Abmessungen Dimensions mm							
				d	d ₁	s	l	r	l ₁	l ₂	
SCGT 09T308 FN -GS		●						0,4	4,4		
SCGT 09T312 FN -GS		●		9,52	4,4	3,97		0,8	4,3		
SCGT 120408 FN -GS		●						1,2	4,2		
SCGT 120412 FN -GS		●		12,7	5,5	4,76		0,8	4,3		

SCGW Neutral
Neutral



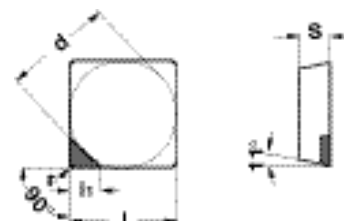
Bezeichnung Designation	PizPuin	Sonnblick	Habicht 08	Abmessungen Dimensions mm												
				PCD			CVD				d	d ₁	s	l	r	l ₁
SCGW 09T302 FN			●													3,0
SCGW 09T304 FN	●	●	●										0,4	4,4		3,0
SCGW 09T308 FN	●		●					9,52	4,4	3,97	9,52		0,8	4,3		3,0
SCGW 09T312 FN	●												1,2	4,2		
SCGW 120404 FN	●	●											0,4	4,4		
SCGW 120408 FN	●							12,7	5,5	4,76	12,7		0,8	4,3		
SCGW 120412 FN	●												1,2	4,2		

SCGW Neutral-Ganze Schneide
Whole edge neutral



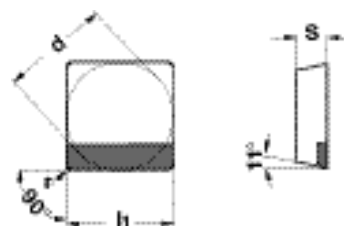
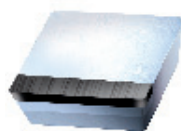
Bezeichnung Designation	PizPuin	Sonnblick	Habicht 08	Abmessungen Dimensions mm												
				PCD			CVD				d	d ₁	s	l	r	l ₁
SCGW 09T304 FN -GS		●											0,4	9,52		
SCGW 09T308 FN -GS		●						9,52	4,4	3,97			0,8	9,52		
SCGW 09T312 FN -GS		●											1,2	9,52		
SCGW 120404 FN -GS		●											0,4	12,7		
SCGW 120408 FN -GS		●						12,7	5,5	4,76			0,8	12,7		
SCGW 120412 FN -GS		●											1,2	12,7		

SPGN Neutral Neutral



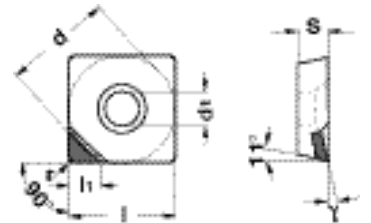
Bezeichnung Designation	PizPuin	Sonnblick	Habicht 08	Abmessungen Dimensions mm											
				PCD			CVD				d	d ₁	s	l	r
SPGN 090304 FN	●	●		9,52		3,18	9,52		0,4	4,4					
SPGN 090308 FN	●								0,8	4,3					
SPGN 120304 FN	●	●							0,4	4,4					
SPGN 120308 FN	●			12,7		3,18	12,7		0,8	4,3					
SPGN 120312 FN	●								1,2	4,2					

SPGN Neutral-Ganze Schneide Whole edge neutral



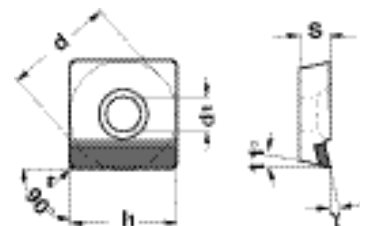
Bezeichnung Designation	PizPuin	Sonnblick	Habicht 08	Abmessungen Dimensions mm											
				PCD			CVD				d	d ₁	s	l	r
SPGN 090304 FN -GS		●		9,52		3,18			0,4	9,52					
SPGN 090308 FN -GS		●							0,8	9,52					
SPGN 120308 FN -GS		●		12,7		3,18			0,8	12,7					
SPGN 120312 FN -GS		●							1,2	12,7					

SPGT Positiv-Neutral
Positive neutral



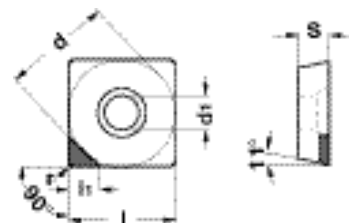
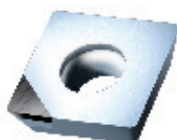
Bezeichnung Designation	PizPuin	Sonnblick	Habicht 08	Abmessungen Dimensions mm							
				PCD			CVD				
				d	d ₁	s	l	r	l ₁	l ₂	
SPGT 09T304 FN		●						0,4	4,4		
SPGT 09T308 FN		●		9,52	4,4	3,97	9,52	0,8	4,3		
SPGT 09T312 FN		●						1,2	4,2		
SPGT 120408 FN		●						0,8	4,3		
SPGT 120412 FN		●		12,7	5,5	4,76	12,7	1,2	4,2		

SPGT Positiv-Neutral-Ganze Schneide
Whole edge positiv neutral



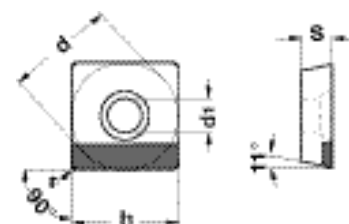
Bezeichnung Designation	PizPuin	Sonnblick	Habicht 08	Abmessungen Dimensions mm							
				PCD			CVD				
				d	d ₁	s	l	r	l ₁	l ₂	
SPGT 09T308 FN -GS		●		9,52	4,4	3,97		0,8	9,52		
SPGT 09T312 FN -GS		●						1,2	9,52		
SPGT 120408 FN -GS		●						0,8	12,7		
SPGT 120412 FN -GS		●		12,7	5,5	4,76		1,2	12,7		

SPGW Neutral Neutral



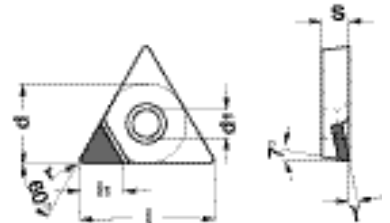
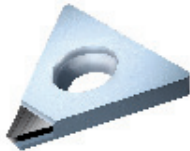
Bezeichnung Designation	PizPuin	Sonnblick	Habicht 08	Abmessungen Dimensions mm												
				PCD				CVD			d	d ₁	s	l	r	l ₁
SPGW 09T304 FN	●	●											0,4	4,4		
SPGW 09T308 FN	●			9,52	4,4	3,97	9,52						0,8	4,3		
SPGW 09T312 FN	●												1,2	4,2		
SPGW 120404 FN	●	●											0,4	4,4		
SPGW 120408 FN	●			12,7	5,5	4,76	12,7						0,8	4,3		
SPGW 120412 FN	●												1,2	4,2		

SPGW Neutral-Ganze Schneide Whole edge neutral



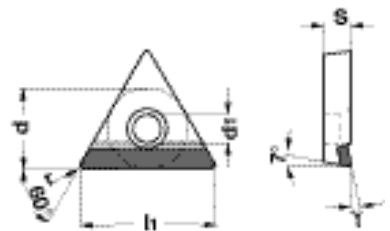
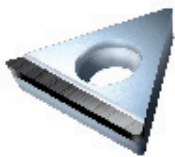
Bezeichnung Designation	PizPuin	Sonnblick	Habicht 08	Abmessungen Dimensions mm													
				PCD				CVD			d	d ₁	s	l	r	l ₁	l ₁
SPGW 09T304 FN -GS		●												0,4	9,52		
SPGW 09T308 FN -GS		●		9,52	4,4	3,97							0,8	9,52			
SPGW 09T312 FN -GS		●											1,2	9,52			
SPGW 120404 FN -GS		●											0,4	12,7			
SPGW 120408 FN -GS		●		12,7	5,5	4,76							0,8	12,7			
SPGW 120412 FN -GS		●											1,2	12,7			

TCGT Positiv-Neutral
Positive neutral



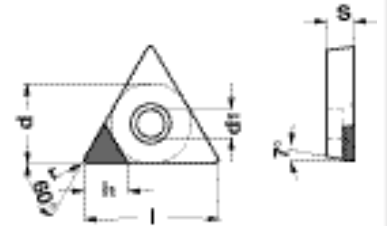
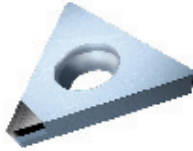
Bezeichnung Designation	PizPuin	Sonnblick	Habicht 08	Abmessungen Dimensions mm												
				PCD			CVD				d	d ₁	s	l	r	l ₁
TCGT 090202 FN	●	●	●										0,2	3,7	3,0	
TCGT 090204 FN	●	●	●	5,56	2,5	2,38	9,6						0,4	3,4	3,0	
TCGT 090208 FN	●												0,8	3,0		
TCGT 110202 FN	●	●	●										0,2	3,7	3,0	
TCGT 110204 FN	●	●	●	6,35	2,8	2,38	11,0						0,4	3,4	3,0	
TCGT 110208 FN	●												0,8	3,0		
TCGT 16T304 FN	●	●	●										0,4	4,6	3,0	
TCGT 16T308 FN	●												0,8	4,2	3,0	

TCGT Positiv-Neutral-Ganze Schneide
Whole edge positiv neutral



Bezeichnung Designation	PizPuin	Sonnblick	Habicht 08	Abmessungen Dimensions mm												
				PCD			CVD				d	d ₁	s	l	r	l ₁
TCGT 090204 FN -GS		●											0,4	9,6		
TCGT 090208 FN -GS		●											0,8	9,6		
TCGT 110204 FN -GS		●											0,4	11,0		
TCGT 110208 FN -GS		●											0,8	11,0		
TCGT 110212 FN -GS		●											1,2	11,0		
TCGT 16T304 FN -GS		●											0,4	16,5		
TCGT 16T308 FN -GS		●											0,8	16,5		
TCGT 16T312 FN -GS		●											1,2	16,5		

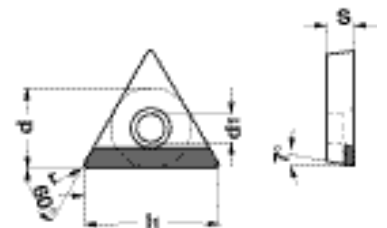
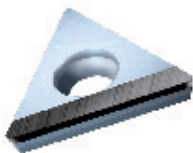
TCGW Neutral Neutral



Diamond ISOCut

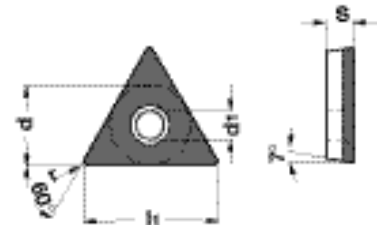
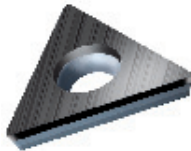
Bezeichnung Designation	PizPuin	Sonnblick	Habicht 08	Abmessungen Dimensions mm											
				PCD				CVD			d	d ₁	s	l	r
TCGW 090202 FN	●	●	●										0,2	3,7	3,0
TCGW 090204 FN	●	●	●	5,56	2,5	2,38	9,6						0,4	3,4	3,0
TCGW 090208 FN	●												0,8	3,0	
TCGW 110202 FN	●	●	●										0,2	3,7	3,0
TCGW 110204 FN	●	●	●	6,35	2,8	2,38	11,0						0,4	3,4	3,0
TCGW 110208 FN	●												0,8	3,0	
TCGW 16T304 FN	●		●										0,4	4,6	3,0
TCGW 16T308 FN	●		●	9,52	4,4	3,97	16,5						0,8	4,2	3,0
TCGW 16T312 FN	●												1,2	3,8	

TCGW Neutral-Ganze Schneide Whole edge neutral



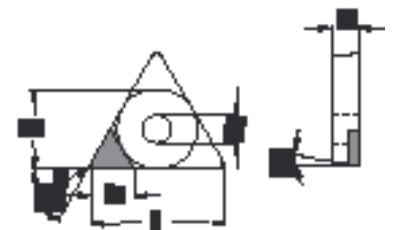
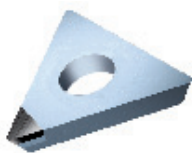
Bezeichnung Designation	PizPuin	Sonnblick	Habicht 08	Abmessungen Dimensions mm											
				PCD				CVD			d	d ₁	s	l	r
TCGW 090204 FN -GS		●											0,4	9,6	
TCGW 090208 FN -GS		●											0,8	9,6	
TCGW 110204 FN -GS		●											0,4	11,0	
TCGW 110208 FN -GS		●		6,35	2,8	2,38							0,8	11,0	
TCGW 110212 FN -GS		●											1,2	11,0	
TCGW 16T304 FN -GS		●											0,4	16,5	
TCGW 16T308 FN -GS		●		9,52	4,4	3,97							0,8	16,5	
TCGW 16T312 FN -GS		●											1,2	16,5	

TCGW FullFace FullFace



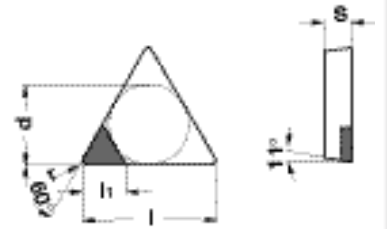
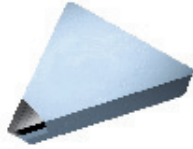
Bezeichnung Designation	PizPuin	Sonnblick	Habicht 08	Abmessungen Dimensions mm						
				PCD			CVD			
				d	d ₁	s	l	r	l ₁	l ₂
TCGW 110202 FN -FF	●	●						0,2	11,0	
TCGW 110204 FN -FF	●	●		6,35	2,8	2,38		0,4	11,0	
TCGW 110208 FN -FF	●	●						0,8	11,0	

TPGA Neutral Neutral



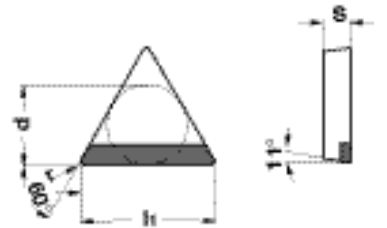
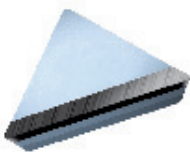
Bezeichnung Designation	PizPuin	Sonnblick	Habicht 08	Abmessungen Dimensions mm						
				PCD			CVD			
				d	d ₁	s	l	r	l ₁	l ₂
TPGA 110302 FN	●							0,2	3,7	
TPGA 110304 FN	●			6,35	3,4	3,18	11,0	0,4	3,4	
TPGA 110308 FN	●							0,8	3,0	

TPGN Neutral Neutral



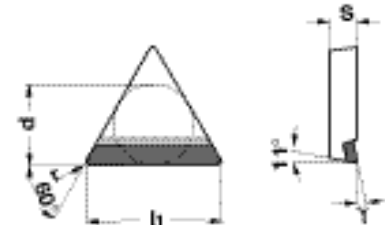
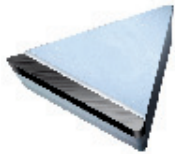
Bezeichnung Designation	PizPuin	Sonnblick	Habicht 08	Abmessungen Dimensions mm						
				PCD			CVD			
				d	d ₁	s	l	r	l ₁	l ₂
TPGN 090204 FN	●							0,4	3,4	
TPGN 090208 FN	●			5,56		2,38	9,6	0,8	3,0	
TPGN 110204 FN	●							0,4	3,4	
TPGN 110208 FN	●			6,35		2,38	11,0	0,8	3,0	
TPGN 110302 FN	●	●						0,2	3,7	2,6
TPGN 110304 FN	●	●		6,35		3,18	11,0	0,4	3,4	2,3
TPGN 110308 FN	●	●						0,8	3,0	2,0
TPGN 160304 FN	●	●						0,4	4,6	2,3
TPGN 160308 FN	●	●		9,52		3,18	16,5	0,8	4,2	2,0
TPGN 160312 FN	●	●						1,2	3,8	1,8

TPGN Neutral-Ganze Schneide Whole edge neutral



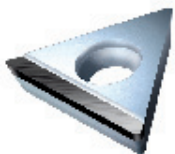
Bezeichnung Designation	PizPuin	Sonnblick	Habicht 08	Abmessungen Dimensions mm						
				PCD			CVD			
				d	d ₁	s	l	r	l ₁	l ₂
TPGN 110304 FN -GS		●						0,4	11,0	
TPGN 110308 FN -GS		●		6,35		3,18		0,8	11,0	
TPGN 110312 FN -GS		●						1,2	11,0	
TPGN 160304 FN -GS		●						0,4	16,5	
TPGN 160308 FN -GS		●		9,52		3,18		0,8	16,5	
TPGN 160312 FN -GS		●						1,2	16,5	

TPGR Positiv-Neutral-Ganze Schneide
Whole edge positive neutral



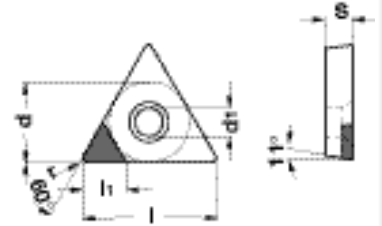
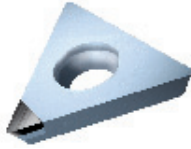
Bezeichnung Designation	PizPuin	Sonnblick	Habicht 08	Abmessungen Dimensions mm						
				PCD			CVD			
				d	d ₁	s	l	r	l ₁	l ₂
TPGR 110304 FN -GS		●						0,4	11,0	
TPGR 110308 FN -GS		●		6,35		3,18		0,8	11,0	
TPGR 110312 FN -GS		●						1,2	11,0	
TPGR 160304 FN -GS		●						0,4	16,5	
TPGR 160308 FN -GS		●		9,52		3,18		0,8	16,5	
TPGR 160312 FN -GS		●						1,2	16,5	

TPGT Positiv-Neutral-Ganze Schneide
Whole edge positive neutral



Bezeichnung Designation	PizPuin	Sonnblick	Habicht 08	Abmessungen Dimensions mm						
				PCD			CVD			
				d	d ₁	s	l	r	l ₁	l ₂
TPGT 080204 FN -GS		●						0,4	8,2	
TPGT 080208 FN -GS		●		4,76	2,2	2,38		0,8	8,2	
TPGT 090204 FN -GS		●						0,4	9,6	
TPGT 090208 FN -GS		●		5,56	2,5	2,38		0,8	9,6	
TPGT 110204 FN -GS		●						0,4	11,0	
TPGT 110208 FN -GS		●		6,35	2,8	2,38		0,8	11,0	
TPGT 110304 FN -GS		●						0,4	11,0	
TPGT 110308 FN -GS		●		6,35	2,8	3,18		0,8	11,0	
TPGT 160408 FN -GS		●		9,52	4,4	4,76		0,8	16,5	

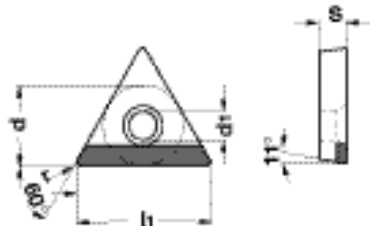
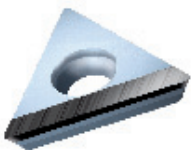
TPGW Neutral Neutral



Diamond ISO Cut

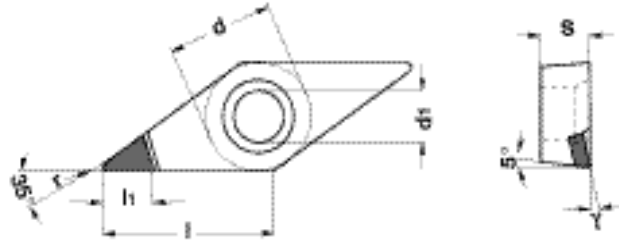
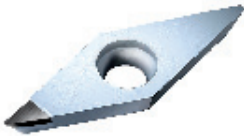
Bezeichnung Designation	PizPuin	Sonnblick	Habicht 08	Abmessungen Dimensions mm													
				PCD				CVD				d	d ₁	s	l	r	l ₁
TPGW 080204 FN	●			4,76	2,82	2,38	8,2	0,4	2,7								
TPGW 090204 FN	●			5,56	2,5	2,38	9,6	0,4	3,4								
TPGW 090208 FN	●							0,8	3,0								
TPGW 110202 FN	●							0,2	3,7	2,6							
TPGW 110204 FN	●			6,35	2,8	2,38	11,0	0,4	3,4	2,3							
TPGW 110208 FN	●							0,8	3,0	2,0							
TPGW 110302 FN	●							0,2	3,7	2,6							
TPGW 110304 FN	●			6,35	2,8	3,18	11,0	0,4	3,4	2,3							
TPGW 110308 FN	●							0,8	3,0	2,0							

TPGW Neutral-Ganze Schneide Whole edge neutral



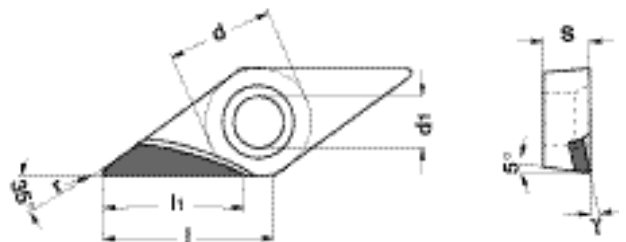
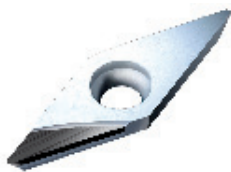
Bezeichnung Designation	PizPuin	Sonnblick	Habicht 08	Abmessungen Dimensions mm													
				PCD				CVD				d	d ₁	s	l	r	l ₁
TPGW 080204 FN -GS		●		4,76	2,2	2,38		0,4	8,2								
TPGW 090204 FN -GS		●		5,56	2,5	2,38		0,4	9,6								
TPGW 110204 FN -GS		●		6,35	2,8	2,38		0,4	11,0	2,6							
TPGW 110208 FN -GS		●						0,8	11,0	2,3							
TPGW 110304 FN -GS		●		6,35	2,8	3,18		1,2	11,0								

VBGT Positiv-Neutral
Positive neutral



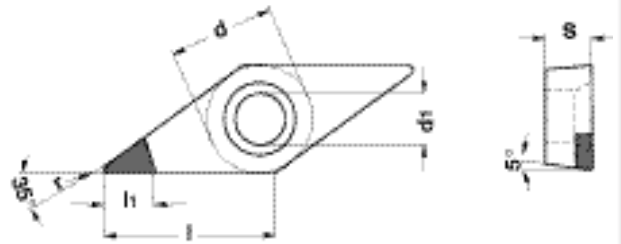
Bezeichnung <i>Designation</i>	PizPuin	Sonnblick	Habicht 08	Abmessungen <i>Dimensions mm</i>											
				PCD				CVD			d	d ₁	s	l	r
VBGT 110301 FN		●	●										0,1	5,4	3,0
VBGT 110302 FN	●	●	●	6,35	2,9	2,38	11,1						0,2	4,6	3,0
VBGT 110304 FN	●	●	●										0,4	3,9	3,0
VBGT 110308 FN	●		●										0,8	3,3	3,0
VBGT 160402 FN	●	●	●										0,2	5,9	3,0
VBGT 160404 FN	●	●	●										0,4	5,5	3,0
VBGT 160408 FN	●		●	9,52	4,4	4,76	16,6						0,8	5,0	3,0
VBGT 160412 FN			●												3,0

VBGT Positiv R/L
Positive right or left hand



Bezeichnung <i>Designation</i>	PizPuin	Sonnblick	Habicht 08	Abmessungen <i>Dimensions mm</i>											
				PCD				CVD			d	d ₁	s	l	r
VBGT 110204 FR/L	●	●											0,4	5,4	
VBGT 110208 FR/L	●	●											0,8	4,6	3,5
VBGT 160404 FR/L	●	●											0,4	5,9	
VBGT 160408 FR/L	●	●		9,52	4,4	4,76	16,5						0,8	5,5	3,0
VBGT 160412 FR/L	●	●											1,2	5,0	

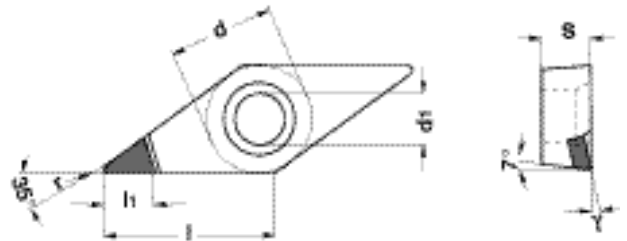
VBGW Neutral Neutral



Diamond ISOCut

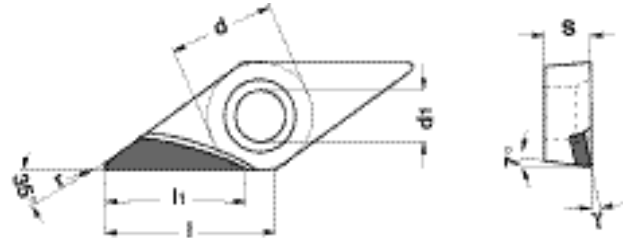
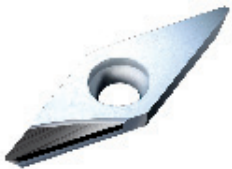
Bezeichnung Designation	PizPuin	Sonnblick	Habicht 08	Abmessungen Dimensions mm							
	PCD			CVD	d	d ₁	s	l	r	l ₁	l ₂
VBGW 110301 FN		●	●						0,1	?	3,0
VBGW 110302 FN	●	●	●		6,35	2,9	2,38	11,1	0,2	4,6	3,0
VBGW 110304 FN	●	●	●						0,4	3,9	3,0
VBGW 110308 FN	●		●						0,8	3,3	3,0
VBGW 160402 FN	●	●	●						0,2	5,9	3,0
VBGW 160404 FN	●	●	●						0,4	5,5	3,0
VBGW 160408 FN	●		●		9,52	4,4	4,76	16,6	0,8	5,0	3,0
VBGW 160412 FN			●							4,4	3,0

VCGT Positiv-Neutral Positive neutral



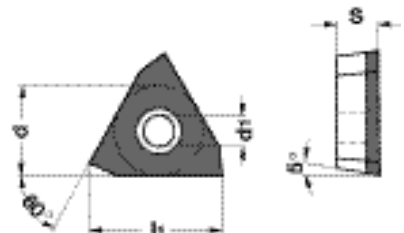
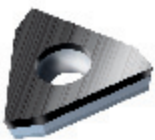
Bezeichnung Designation	PizPuin	Sonnblick	Habicht 08	Abmessungen Dimensions mm							
	PCD			CVD	d	d ₁	s	l	r	l ₁	l ₂
VCGT 070201 FN		●	●						0,1	3,8	3,0
VCGT 070202 FN	●	●	●		3,97	2,2	2,38	6,9	0,2	3,6	3,0
VCGT 070204 FN	●	●	●						0,4	3,2	3,0
VCGT 110301 FN	●	●	●						0,1	5,4	3,0
VCGT 110302 FN	●	●	●		6,35	2,9	3,18	11,1	0,2	4,6	3,0
VCGT 110304 FN	●	●	●						0,4	3,9	3,0
VCGT 110308 FN	●		●						0,8	3,3	3,0
VCGT 130302 FN	●	●	●						0,2	5,9	
VCGT 130304 FN	●		●		7,94	3,4	3,18	13,3	0,4	5,5	
VCGT 160401 FN	●	●	●						0,1	6,0	3,0
VCGT 160402 FN	●	●	●						0,2	5,9	3,0
VCGT 160404 FN	●	●	●		9,52	4,4	4,76	16,6	0,4	5,5	3,0
VCGT 160408 FN	●		●						0,8	5,0	3,0
VCGT 160412 FN	●		●						1,2	4,5	3,0

VCGT Positiv R/L
Positive right or left hand



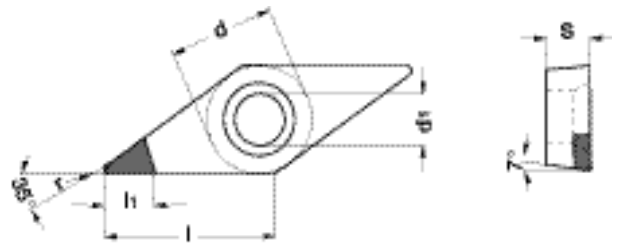
Bezeichnung Designation	PizPuin	Sonnblick	Habicht 08	Abmessungen Dimensions mm						
				PCD			CVD			
				d	d ₁	s	l	r	l ₁	l ₂
VCGT 110304 FR/L	●	●		6,35	2,9	3,18	11,1	0,4	6,5	
VCGT 110308 FR/L	●	●						0,8	6,0	
VCGT 160404 FR/L	●	●						0,4	7,5	
VCGT 160408 FR/L	●	●		9,52	4,4	4,76	16,6	0,8	7,0	
VCGT 160412 FR/L	●	●						1,2	7,0	

WBGW FullFace Links
FullFace left hand



Bezeichnung Designation	PizPuin	Sonnblick	Habicht 08	Abmessungen Dimensions mm						
				PCD			CVD			
				d	d ₁	s	l	r	l ₁	l ₂
WBGW 020102 FL -FF	●			3,97	2,3	1,58		0,2	4,8	
WBGW 020104 FL -FF	●							0,4	4,8	

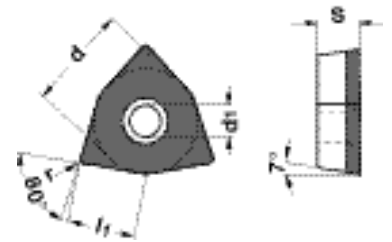
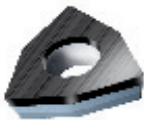
VCGW Neutral Neutral



Diamond ISO Cut

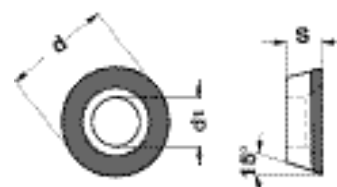
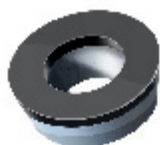
Bezeichnung Designation	PizPuin	Sonnblick	Habicht 08	Abmessungen Dimensions mm												
				PCD				CVD			d	d ₁	s	l	r	l ₁
VCGW 070201 FN		●	●										0,1	3,8	3,0	
VCGW 070202 FN	●	●	●	3,97	2,2	2,38	6,9						0,2	3,6	3,0	
VCGW 070204 FN	●	●	●										0,4	3,2	3,0	
VCGW 110301 FN		●	●										0,1	5,4	3,0	
VCGW 110302 FN	●	●	●	6,35	2,9	3,18	11,1						0,2	4,6	3,0	
VCGW 110304 FN	●	●	●										0,4	3,9	3,0	
VCGW 110308 FN	●	●	●										0,8	3,3	3,0	
VCGW 130302 FN	●	●											0,2	5,9		
VCGW 130304 FN	●	●		7,94	3,4	3,18	13,3						0,4	5,5		
VCGW 160401 FN		●											0,1	6,0		
VCGW 160402 FN	●	●	●										0,2	5,9	3,0	
VCGW 160404 FN	●	●	●										0,4	5,5	3,0	
VCGW 160408 FN	●	●	●	9,52	4,4	4,76	16,6						0,8	5,0	3,0	
VCGW 160412 FN	●	●	●										1,2	4,5	3,0	
VCGW 160416 FN	●	●	●										1,6	4,0		

WCGW FullFace FullFace



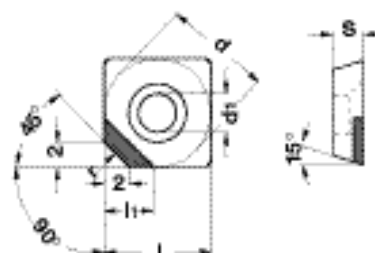
Bezeichnung Designation	PizPuin	Sonnblick	Habicht 08	Abmessungen Dimensions mm												
				PCD				CVD			d	d ₁	s	l	r	l ₁
WCGW 020102 FN -FF	●												0,2	2,7		
WCGW 020104 FN -FF	●			3,97	2,3	1,58							0,4	2,7		

RDHX FullFace Fräs-WSP Milling insert FullFace



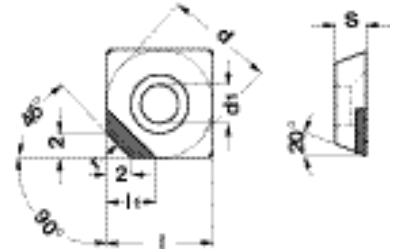
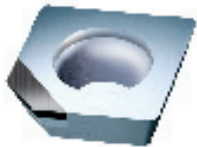
Bezeichnung Designation	PizPuin	Sonnblick	Habicht 08	Abmessungen Dimensions mm						
	PCD		CVD	d	d ₁	s	l	r	l ₁	l ₁
RDHX 0501 MO -FF		●		5,0	2,0	1,5				
RDHX 0702 MO -FF		●		7,0	2,7	2,38				
RDHX 1003 MO -FF		●		10,0	3,8	3,18				
RDHX 12T3 MO -FF		●		12,0	3,8	3,97				

SDHW Neutral Fräs-WSP Milling insert neutral



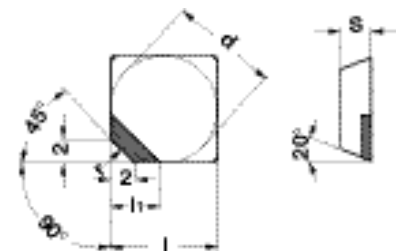
Bezeichnung Designation	PizPuin	Sonnblick	Habicht 08	Abmessungen Dimensions mm						
	PCD		CVD	d	d ₁	s	l	r	l ₁	l ₁
SDHW 1204 AE FN -2		●							4,0	
SDHW 1204 AE FN -6		●		12,7	5,5	4,76	12,7		6,0	

SEHW Neutral Fräs-WSP
Milling insert neutral



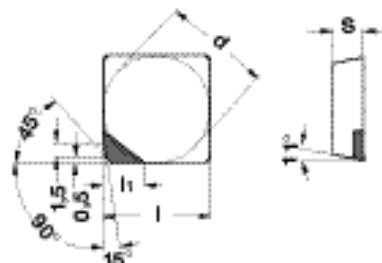
Bezeichnung Designation	PizPuin	Sonnblick	Habicht 08	Abmessungen Dimensions mm						
				PCD				CVD		
				d	d ₁	s	l	r	l ₁	l ₂
SEHW 1204 AF FN -4		●							4,0	
SEHW 1204 AF FN -6		●		12,7	5,5	4,76	12,7		6,0	

SEKN Neutral Fräs-WSP
Milling insert neutral



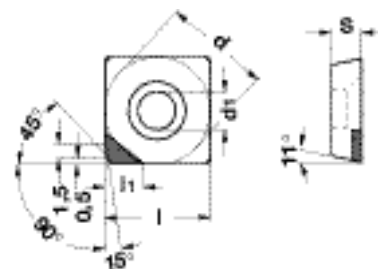
Bezeichnung Designation	PizPuin	Sonnblick	Habicht 08	Abmessungen Dimensions mm						
				PCD				CVD		
				d	d ₁	s	l	r	l ₁	l ₂
SEKN 1203 AF FN -4		●							4,0	
SEKN 1203 AF FN -6		●		12,7		3,18	12,7		6,0	

SPKN Fräs-WSP
Milling insert



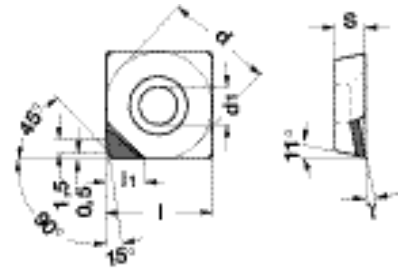
Bezeichnung Designation	PizPuin	Sonnblick	Habicht 08	Abmessungen Dimensions mm								
				PCD	CVD	d	d ₁	s	l	r	l ₁	l ₂
SPKN 1203 ED FR -4		●									4,5	
SPKN 1203 ED FR -6		●									7,5	

SPGW Fräs-WSP
Milling insert



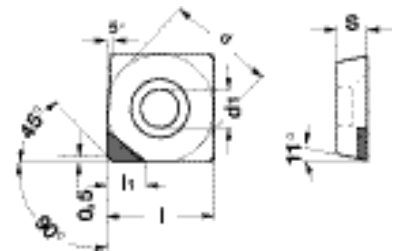
Bezeichnung Designation	PizPuin	Sonnblick	Habicht 08	Abmessungen Dimensions mm								
				PCD	CVD	d	d ₁	s	l	r	l ₁	l ₂
SPGW 1204 ED FR -4		●									4,5	
SPGW 1204 ED FR -6		●									7,5	

SPGT Positiv Rechts Fräs-WSP
Milling insert positive right hand



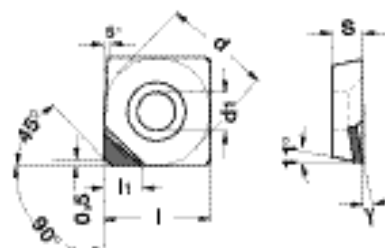
Bezeichnung Designation	PizPuin	Sonnblick	Habicht 08	Abmessungen Dimensions mm									
				PCD			CVD	d	d ₁	s	l	r	l ₁
SPGT 1204 ED FR -8		●					12,7	5,5	4,76	12,7		8,5	

SPGN Fräs-WSP
Milling insert



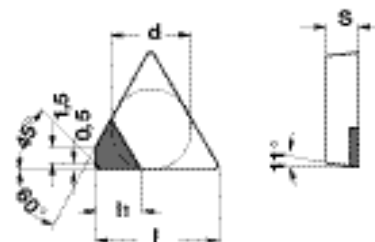
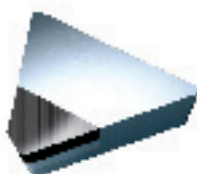
Bezeichnung Designation	PizPuin	Sonnblick	Habicht 08	Abmessungen Dimensions mm									
				PCD			CVD	d	d ₁	s	l	r	l ₁
SPGW 1204 PD FR -4		●										4,5	
SPGW 1204 PD FR -6		●										7,5	

SPGT Positiv Rechts Fräs-WSP
Milling insert positive right hand



Bezeichnung Designation	PizPuin	Sonnblick	Habicht 08	Abmessungen Dimensions mm						
	PCD		CVD	d	d ₁	s	l	r	l ₁	l ₂
SPGT 1204 PD FR -8		●		12,7	5,5	4,76	12,7		8,5	

TPKN Fräs-WSP
Milling insert



Bezeichnung Designation	PizPuin	Sonnblick	Habicht 08	Abmessungen Dimensions mm						
	PCD		CVD	d	d ₁	s	l	r	l ₁	l ₂
TPKN 1603 PD FR -4		●							4,0	