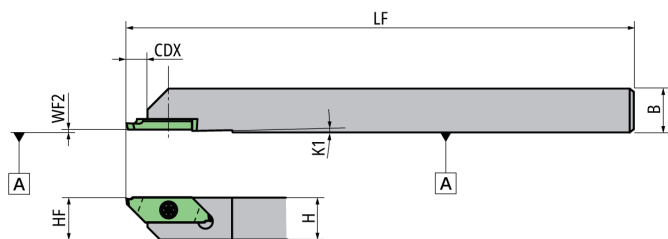


CTPS.. series/Toolholder

CTPS



● Diagram shows right-hand tool



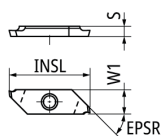
EDP	Item Number	Stock	Hand	CUTDIA mm	B mm	CDX mm	H mm	HF mm	K1 °	LF mm	WF2 mm	Insert Gage	
5346572	CTPSR10	●	R	10	10	5	10	10	1	120	0	TBPS../CTPS..	GTPS../TTPS..
5397187	CTPSR12	●	R	10	12	5	12	12	1	120	0	TBPS../CTPS..	GTPS../TTPS..

Spare Parts

Item Number	Clamp screw	Wrench (for Clamp screw)
CTPSR10	LRIS-2.5*7	CLR-15S
CTPSR12	LRIS-2.5*7	CLR-15S

CTPS.. series/Inserts Carbide

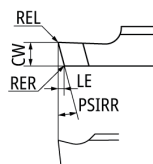
CTPS-FR



● Diagram shows right-hand tool

All angles shown are obtained when insert is set in the holder.

No.1



No.2

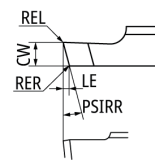
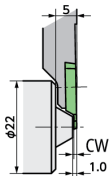
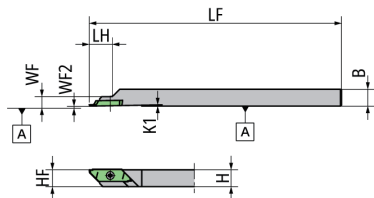


Figure	Item Number	Hand	Chip-breaker	CUTDIA	CW	EPSR	INSL	LE	PSIRR	REL	RER	S	W1	Carbide PVD	
				mm	mm	°	mm	mm	°	mm	mm	mm	mm	VM1	ZM3
1	CTPS12FR	R	Yes	4	1.2	45	20	0.37	16	0.05	0.05	2.5	6	●	●
1	CTPS15FR	R	Yes	5	1.5	45	20	0.46	16	0.05	0.05	2.5	6	●	●
1	CTPS18FR	R	Yes	8.5	1.8	45	20	0.55	16	0.05	0.05	2.5	6	●	●
1	CTPS20FR	R	Yes	10	2	45	20	0.61	16	0.05	0.05	2.5	6	●	●
2	CTPS12FRV	M	No	4	1.2	45	20	0.47	20	0	0	2.5	6	●	●
2	CTPS15FRV	M	No	5	1.5	45	20	0.58	20	0	0	2.5	6	●	●
2	CTPS18FRV	M	No	8.5	1.8	45	20	0.7	20	0	0	2.5	6	●	●
2	CTPS20FRV	M	No	10	2	45	20	0.77	20	0	0	2.5	6	●	●

CTPS..001 series/Toolholder

CTPS-SUB for Sub-spindle



● Diagram shows right-hand tool

EDP	Item Number	Stock	Hand	CUTDIA mm	B mm	CDX mm	H mm	HF mm	K1 °	LF mm	LH mm	WF mm	WF2 mm	Insert Gage
5486717	CTPSR08-SUB04	●	R	4	8	5	8	8	1	120	11	4.5	0	CTPS..-001

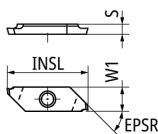
Spare Parts

Item Number	Clamp screw	Wrench (for Clamp screw)
CTPSR08-SUB04	LRIS-2.5*4.5	CLR-15S

S
Cut-off

CTPS..001 series/Inserts Carbide

CTPS-001



● Diagram shows right-hand tool
All angles shown are obtained when insert is set in the holder.

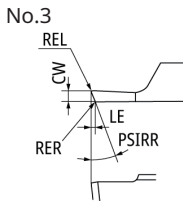
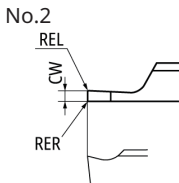
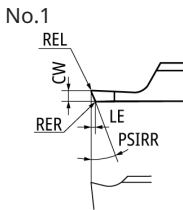
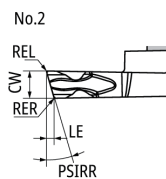
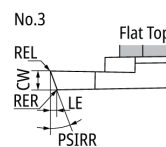
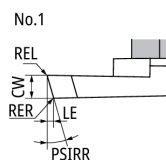
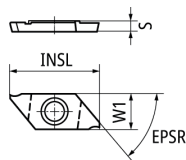


Figure	Item Number	Hand	Chip-breaker	CUTDIA mm	CW mm	EPSR °	INSL mm	LE mm	PSIR °	PSIRR °	REL mm	RER mm	S mm	W1 mm	Carbide PVD ZM3
1	CTPS07FR-001	R	Yes	4	0.7	45	20	0.23	-	16	0.05	0.05	2.5	6	●
2	CTPS07FRN-001	R	Yes	4	0.7	45	20	-	0	-	0.05	0.05	2.5	6	●
3	CTPS07FRV-001	 R	No	4	0.7	45	20	0.28	-	20	0	0	2.5	6	●

CTP.. series/Inserts Carbide Right-Hand

CTP-FR

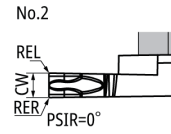
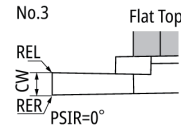
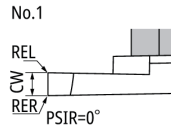
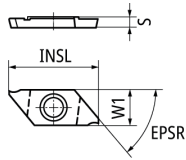


●All angles shown are obtained when insert is set in the holder.

Figure	Item Number	Hand	Chip-breaker	CUTDIA	CW	EPSR	INSL	LE	PSIRR	REL	RER	S	W1	Carbide										PCD								
														PVD																		
														DM4	DT4	QM3	ST4	TM4	VM1	ZM3	KM1	PD1										
1	CTP05FR-SH	R	Yes	5	0.5	50	20	0.17	16	0.05	0.05	2.5	8																			
1	CTP07FR	R	Yes	-	0.7	50	20	-	-	-	-	2.5	8																			
1	CTP10FR	R	Yes	-	1	50	20	-	-	-	-	2.5	8																			
2	CTP10FR-CX	R	Yes	12	1	50	20	0.32	16	0.05	0.05	2.5	8																			
1	CTP10FR-SH	R	Yes	7	1	50	20	0.32	16	0.05	0.05	2.5	8																			
1	CTP10FR-TH	R	Yes	12	1	50	20	0.32	16	0.05	0.05	2.5	8																			
3	CTP10FRV		R	No	12	1	50	20	0.4	20	0	-	2.5	8																		
1	CTP13FR	R	Yes	12	1.3	50	20	0.4	16	0.05	0.05	2.5	8																			
2	CTP13FR-CX	R	Yes	12	1.3	50	20	0.4	16	0.05	0.05	2.5	8																			
1	CTP15FR	R	Yes	12	1.5	50	20	0.46	16	0.05	0.05	2.5	8																			
2	CTP15FR-CX	R	Yes	12	1.5	50	20	0.46	16	0.05	0.05	2.5	8																			
1	CTP15FR-TH	R	Yes	12	1.5	50	20	0.46	16	0.05	0.05	2.5	8																			
3	CTP15FRV		R	No	12	1.5	50	20	0.58	20	0	-	2.5	8																		
1	CTP15FRX	R	Yes	12	1.5	50	20	0.46	16	0.05	0.05	2.5	8																			
1	CTP20FR	R	Yes	12	2	50	20	0.61	16	0.05	0.05	2.5	8																			
1	CTP20FR-TH	R	Yes	12	2	50	20	0.61	16	0.05	0.05	2.5	8																			
3	CTP20FRV		R	No	12	2	50	20	0.77	20	0	-	2.5	8																		
1	CTP20FRX	R	Yes	12	2	50	20	0.61	16	0.05	0.05	2.5	8																			
1	CTPX15FR	R	Yes	12	1.5	50	20	0.46	16	0.05	0.05	2.5	8																			
1	CTPX20FR	R	Yes	12	2	50	20	0.61	16	0.05	0.05	2.5	8																			

Cut-off
S

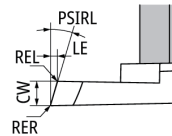
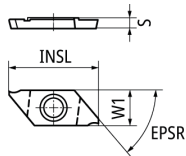
CTP-FRN



●All angles shown are obtained when insert is set in the holder.

Figure	Item Number	Hand	Chip-breaker	CUTDIA	CW	EPSR	INSL	PSIR	REL	RER	S	W1	Carbide									PCD																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
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				mm	mm	°	mm	°	mm	mm	mm	mm	DM4	DT4	QM3	ST4	TM4	VM1	ZM3	KM1	PD1																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
1	CTP05FRN-SH	R	Yes	5	0.5	50	20	0	0.05	0.05	2.5	8																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												

CTP-FRK

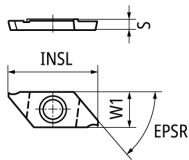


●All angles shown are obtained when insert is set in the holder.

Item Number	Hand	Chip-breaker	CUTDIA	CW	EPSR	INSL	LE	PSIRL	REL	RER	S	W1	Carbide										PCD	
													PVD											
													mm	mm	°	mm	mm	°	mm	mm	mm	mm	DM4	DT4
CTP10FRK	R	Yes	11	1	50	20	0.32	16	0.05	0.05	2.5	8								●				
CTP13FRK	R	Yes	12	1.3	50	20	0.4	16	0.05	0.05	2.5	8		●						●				
CTP15FRK	R	Yes	11	1.5	50	20	0.46	16	0.05	0.05	2.5	8								●				
CTP20FRK	R	Yes	11	2	50	20	0.61	16	0.05	0.05	2.5	8								●				

CTP.. series/Inserts Carbide Left-Hand

CTP-FLK



●All angles shown are obtained when insert is set in the holder.

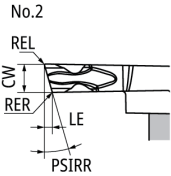
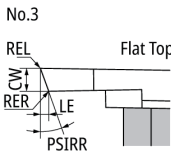
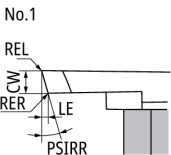
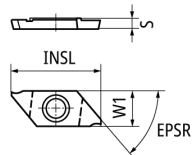


Figure	Item Number	Hand	Chip-breaker	CUTDIA	CW	EPSR	INSL	LE	PSIRR	REL	RER	S	W1	Carbide								PCD
				mm	mm	°	mm	mm	°	mm	mm	mm	mm	DM4	DT4	QM3	ST4	TM4	VM1	ZM3	KM1	PD1
1	CTP05FLK-SH	L	Yes	5	0.5	50	20	0.17	16	0.05	0.05	2.5	8							●		
1	CTP10FLK	L	Yes	11	1	50	20	0.32	16	0.05	0.05	2.5	8		●					●		
2	CTP10FLK-CX	L	Yes	11	1	50	20	0.32	16	0.05	0.05	2.5	8	●			●					
1	CTP10FLK-SH	L	Yes	7	1	50	20	0.32	16	0.05	0.05	2.5	8		●					●		
1	CTP10FLK-TH	L	Yes	11	1	50	20	0.32	16	0.05	0.05	2.5	8				●					
1	CTP13FLK	L	Yes	11	1.3	50	20	0.4	16	0.05	0.05	2.5	8		●					●		
2	CTP13FLK-CX	L	Yes	11	1.3	50	20	0.4	16	0.05	0.05	2.5	8	●			●					
1	CTP15FLK	L	Yes	11	1.5	50	20	0.46	16	0.05	0.05	2.5	8						●	●		
1	CTP15FLKB	L	Yes	11	1.5	50	20	0.46	16	0.05	0.05	2.5	8							●		
2	CTP15FLK-CX	L	Yes	11	1.5	50	20	0.46	16	0.05	0.05	2.5	8	●			●					
1	CTP15FLK-TH	L	Yes	11	1.5	50	20	0.46	16	0.05	0.05	2.5	8				●					
3	CTP15FLKV 	L	No	11	1.5	50	20	0.58	20	0	0	2.5	8						●		●	
1	CTP20FLK	L	Yes	11	2	50	20	0.61	16	0.05	0.05	2.5	8						●	●		
1	CTP20FLK-TH	L	Yes	11	2	50	20	0.61	16	0.05	0.05	2.5	8				●					
3	CTP20FLKV 	L	No	11	2	50	20	0.77	20	0	0	2.5	8						●			
1	CTPX15FLK	L	Yes	11	1.5	50	20	0.46	16	0.05	0.05	2.5	8		●	●						
1	CTPX20FLK	L	Yes	11	2	50	20	0.61	16	0.05	0.05	2.5	8		●	●						

Cut-off S

CTP-FLN



●All angles shown are obtained when insert is set in the holder.

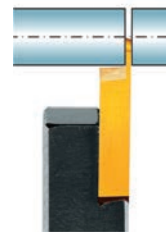
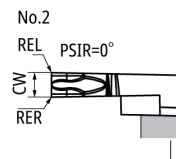
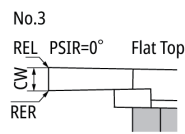
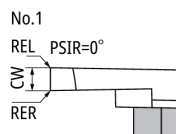
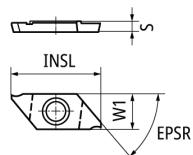


Figure	Item Number	Hand	Chip-breaker	CUTDIA	CW	EPSR	INSL	REL	RER	S	W1	Carbide										PCD		
														PVD										
				mm	mm	°	mm	°	mm	mm	mm	mm	DM4	DT4	QM3	ST4	TM4	VM1	ZM3	KM1	PD1			
1	CTP05FLN-SH	L	Yes	5	0.5	50	20	0.05	0.05	2.5	8													
1	CTP10FLN	L	Yes	12	1	50	20	0.05	0.05	2.5	8			●										●
2	CTP10FLN-CX	L	Yes	12	1	50	20	0.05	0.05	2.5	8	●					●							
1	CTP10FLN-SH	L	Yes	7	1	50	20	0.05	0.05	2.5	8			●										●
1	CTP10FLN-TH	L	Yes	12	1	50	20	0.05	0.05	2.5	8						●							
1	CTP13FLN	L	Yes	12	1.3	50	20	0.05	0.05	2.5	8			●										●
2	CTP13FLN02-CX	L	Yes	12	1.3	50	20	0.2	0.2	2.5	8	●					●							
2	CTP13FLN-CX	L	Yes	12	1.3	50	20	0.05	0.05	2.5	8	●					●							
1	CTP15FLN	L	Yes	12	1.5	50	20	0.05	0.05	2.5	8									●		●		
2	CTP15FLN02-CX	L	Yes	12	1.5	50	20	0.2	0.2	2.5	8	●					●							
2	CTP15FLN-CX	L	Yes	12	1.5	50	20	0.05	0.05	2.5	8	●					●							
1	CTP15FLN-TH	L	Yes	12	1.5	50	20	0.05	0.05	2.5	8						●							
3	CTP15FLNV	M	No	12	1.5	50	20	0	0	2.5	8													●
1	CTP20FLN	L	Yes	12	2	50	20	0.05	0.05	2.5	8									●		●		
1	CTP20FLN-TH	L	Yes	12	2	50	20	0.05	0.05	2.5	8						●							
3	CTP20FLNV	M	No	12	2	50	20	0	0	2.5	8													●
1	CTPX15FLN	L	Yes	12	1.5	50	20	0.05	0.05	2.5	8			●		●								
1	CTPX20FLN	L	Yes	12	2	50	20	0.05	0.05	2.5	8			●		●								

CTP-FL



●All angles shown are obtained when insert is set in the holder.

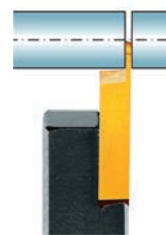
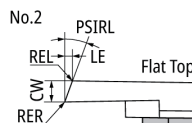
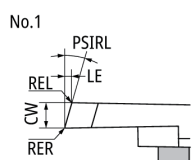
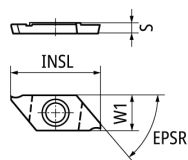


Figure	Item Number	Hand	Chip-breaker	CUTDIA	CW	EPSR	INSL	LE	PSIRL	REL	RER	S	W1	Carbide										PCD								
														PVD																		
				mm	mm	°	mm	mm	°	mm	mm	mm	mm	DM4	DT4	QM3	ST4	TM4	VM1	ZM3	KM1	PD1										
1	CTP07FL	L	Yes	8	0.7	50	20	0.23	16	0.05	0.05	2.5	8																			
1	CTP10FL	L	Yes	12	1	50	20	0.32	16	0.05	0.05	2.5	8																			
2	CTP10FLV		L	No	12	1	50	20	0.4	20	0	0	2.5	8																		
1	CTP13FL	L	Yes	12	1.3	50	20	0.4	16	0.05	0.05	2.5	8																			
1	CTP15FL	L	Yes	12	1.5	50	20	0.46	16	0.05	0.05	2.5	8																			
2	CTP15FLV		L	No	12	1.5	50	20	0.58	20	0	0	2.5	8																		
1	CTP20FL	L	Yes	12	2	50	20	0.61	16	0.05	0.05	2.5	8																			
2	CTP20FLV		L	No	12	2	50	20	0.77	20	0	0	2.5	8																		
1	CTPX15FL	L	Yes	12	1.5	50	20	0.46	16	0.05	0.05	2.5	8																			
1	CTPX20FL	L	Yes	12	2	50	20	0.61	16	0.05	0.05	2.5	8																			

CTPA.. series/Inserts Carbide Right-Hand

CTPA-FR



●All angles shown are obtained when insert is set in the holder.

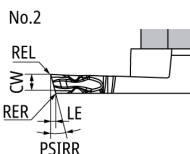
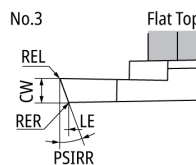
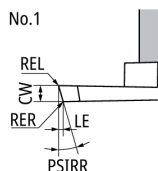
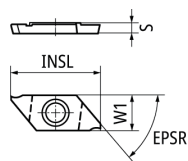


Figure	Item Number	Hand	Chip-breaker	CUTDIA	CW	EPSR	INSL	LE	PSIRR	REL	RER	S	W1	Carbide								PCD																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
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1	CTPA07FR	R	Yes	8	0.7	45	25	0.23	16	0.05	0.05	3.5	9.4																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								</

CTPA-FRN



●All angles shown are obtained when insert is set in the holder.

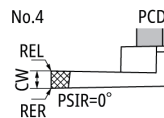
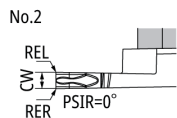
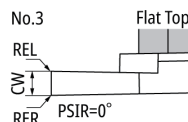
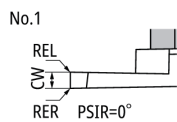
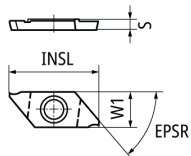


Figure	Item Number	Hand	Chip-breaker	CUTDIA	CW	EPSR	INSL	PSIR	REL	RER	S	W1	Carbide PVD										PCD		
				mm	mm	°	mm	°	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm		
1	CTPA07FRN	R	Yes	8	0.7	45	25	0	0.05	0.05	3.5	9.4													
1	CTPA10FRN	R	Yes	–	1	45	25	0	–	–	3.5	9.4													
1	CTPA15FRN	R	Yes	16	1.5	45	25	0	0.05	0.05	3.5	9.4			●	●				●	●				
2	CTPA15FRN-CX	R	Yes	16	1.5	45	25	0	0.05	0.05	3.5	9.4	●				●								
1	CTPA15FRN-TH	R	Yes	16	1.5	45	25	0	0.05	0.05	3.5	9.4					●								
1	CTPA20FRN	R	Yes	16	2	45	25	0	0.05	0.05	3.5	9.4			●	●				●	●				
4	CTPA20FRN-P	R	Yes	16	2	45	25	0	0.1	0.1	3.5	9.4													●
1	CTPA20FRN-TH	R	Yes	16	2	45	25	0	0.05	0.05	3.5	9.4					●								
3	CTPA20FRNV	 R	No	16	2	45	25	0	0	0	3.5	9.4												●	
3	CTPA20FRS	R	No	16	2	45	25	0	0.05	0.05	3.5	9.4											●		
1	CTPA30FRN	R	Yes	16	3	45	25	0	0.05	0.05	3.5	9.4				●									

CTPA.. series/Inserts Carbide Left-Hand

CTPA-FLK



●All angles shown are obtained when insert is set in the holder.

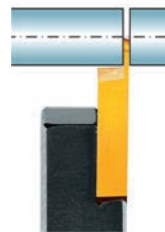
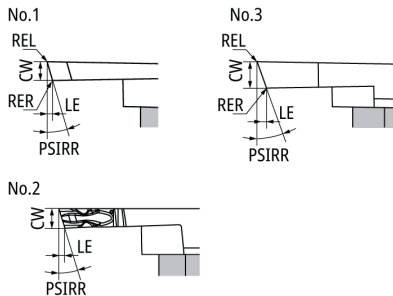
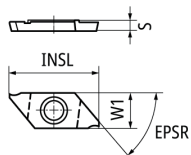
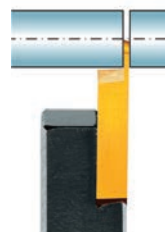
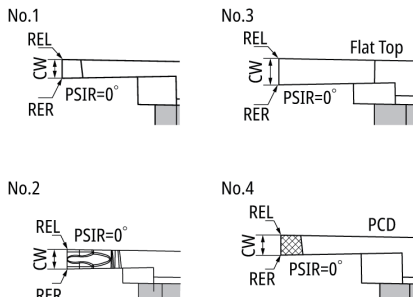


Figure	Item Number	Hand	Chip-breaker	CUTDIA	CW	EPSR	INSL	LE	PSIRR	REL	RER	S	W1	Carbide PVD								PCD	
				mm	mm	°	mm	mm	°	mm	mm	mm	mm	mm	DM4	DT4	QM3	ST4	TM4	VM1	ZM3	KM1	PD1
1	CTPA07FLK	L	Yes	6.5	0.7	45	25	0.23	16	0.05	0.05	3.5	9.4										
1	CTPA10FLK	L	Yes	–	1	45	25	–	–	–	–	3.5	9.4										
1	CTPA10FLKD	L	Yes	16	1	45	25	0.32	16	0.05	0.05	3.5	9.4										
1	CTPA15FLK	L	Yes	14.5	1.5	45	25	0.46	16	0.05	0.05	3.5	9.4										
2	CTPA15FLK-CX	L	Yes	14.5	1.5	45	25	0.46	16	0.05	0.05	3.5	9.4										
1	CTPA15FLK-TH	L	Yes	14.5	1.5	45	25	0.46	16	0.05	0.05	3.5	9.4										
1	CTPA20FLK	L	Yes	14.5	2	45	25	0.61	16	0.05	0.05	3.5	9.4										
1	CTPA20FLK-TH	L	Yes	14.5	2	45	25	0.61	16	0.05	0.05	3.5	9.4										
3	CTPA20FLKV 	L	No	14.5	2	45	25	0.77	20	0	0	3.5	9.4										

CTPA-FLN



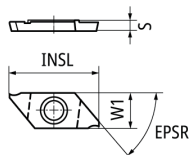
●All angles shown are obtained when insert is set in the holder.



Cut-off

Figure	Item Number	Hand	Chip-breaker	CUTDIA	CW	EPSR	INSL	PSIR	REL	RER	S	W1	Carbide PVD								PCD	
				mm	mm	°	mm	°	mm	mm	mm	mm	mm	mm	DM4	DT4	QM3	ST4	TM4	VM1	ZM3	KM1
1	CTPA10FLN	L	Yes	-	1	45	25	0	-	-	3.5	9.4										
1	CTPA10FLND	L	Yes	16	1	45	25	0	0.05	0.05	3.5	9.4										
1	CTPA15FLN	L	Yes	16	1.5	45	25	0	0.05	0.05	3.5	9.4										
2	CTPA15FLN-CX	L	Yes	16	1.5	45	25	0	0.05	0.05	3.5	9.4										
1	CTPA15FLN-TH	L	Yes	16	1.5	45	25	0	0.05	0.05	3.5	9.4										
1	CTPA20FLN	L	Yes	16	2	45	25	0	0.05	0.05	3.5	9.4										
4	CTPA20FLN-P	L	Yes	16	2	45	25	0	0.1	0.1	3.5	9.4										
1	CTPA20FLN-TH	L	Yes	16	2	45	25	0	0.05	0.05	3.5	9.4										
3	CTPA20FLNV	L	No	16	2	45	25	0	0	0	3.5	9.4										
3	CTPA20FLS	L	No	16	2	45	25	0	0.05	0.05	3.5	9.4										
1	CTPA30FLN	L	Yes	16	3	45	25	0	0.05	0.05	3.5	9.4										

CTPA-FL



●All angles shown are obtained when insert is set in the holder.

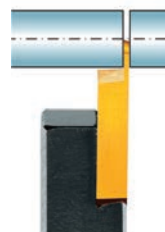
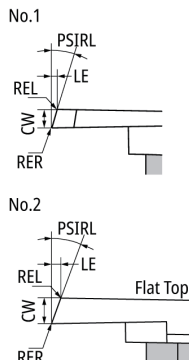
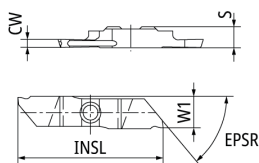


Figure	Item Number	Hand	Chip-breaker	CUTDIA	CW	EPSR	INSL	LE	PSIRL	REL	RER	S	W1	Carbide PVD								PCD																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
				mm	mm	°	mm	mm	°	mm	mm	mm	mm	mm	DM4	DT4	QM3	ST4	TM4	VM1	ZM3	KM1	PD1																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
1	CTPA07FL	L	Yes	8	0.7	45	25	0.23	16	0.05	0.05	3.5	9.4																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																

CTPW.. series/Inserts Carbide Right-Hand

CTPW25-R



●All angles shown are obtained when insert is set in the holder.

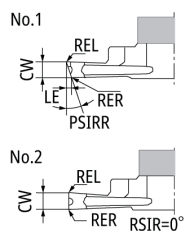
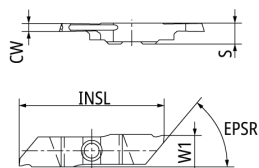


Figure	Item Number	Hand	Chip-breaker	CUTDIA	CW	EPSR	INSL	LE	PSIR	PSIRL	PSIRR	REL	RER	S	W1	Carbide PVD ZM3
1	CTPW25FR	R	Yes	20	2.5	50	45	0.81	-	-	17	0.2	0.05	6.5	9.7	●
1	CTPW25FRP	R	No	20	2.5	50	45	0.81	-	17	-	0.2	0.05	6.5	9.7	●
2	CTPW25FRN	R	Yes	20	2.5	50	45	-	0	-	-	0.05	0.05	6.5	9.7	●
2	CTPW25FRNV	R	No	20	2.5	50	45	-	0	-	-	0	0	6.5	9.7	●

CTPW.. series/Inserts Carbide Left-Hand

CTPW25-L



●All angles shown are obtained when insert is set in the holder.

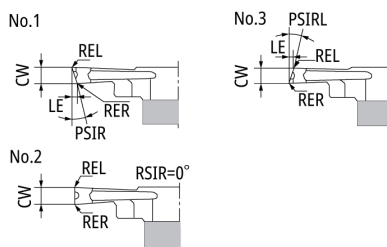


Figure	Item Number	Hand	Chip-breaker	CUTDIA	CW	EPSR	INSL	LE	PSIR	PSIRL	PSIRR	REL	RER	S	W1	Carbide PVD ZM3
1	CTPW25FLK	L	Yes	20	2.5	50	45	0.81	-	-	17	0.2	0.05	6.5	9.7	●
2	CTPW25FLN	L	Yes	20	2.5	50	45	-	0	-	-	0.05	0.05	6.5	9.7	●
2	CTPW25FLNV	L	No	20	2.5	50	45	-	0	-	-	0	0	6.5	9.7	●
3	CTPW25FL	L	Yes	20	2.5	50	45	0.81	-	17	-	0.2	0.05	6.5	9.7	●
3	CTPW25FLP	L	No	20	2.5	50	45	0.81	-	-	17	0.2	0.05	6.5	9.7	●

Cut-off
S

CTV-S.. series/Inserts Carbide

CTV-S

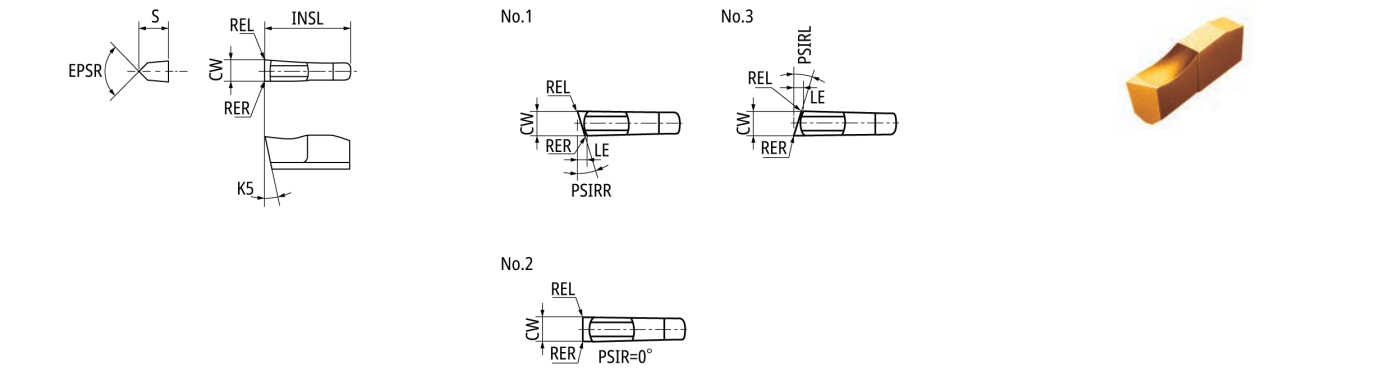


Figure	Item Number	Hand	Chip-breaker	CW	EPSR	INSL	K5	LE	PSIR	PSIRL	PSIRR	REL	RER	S	Carbide PVD ZM3
				mm	°	mm	°	mm	°	°	°	mm	mm	mm	
1	CTV22R05S	R	Yes	2.2	90	10	12	0.74	-	-	17	0.05	0.05	4	●
1	CTV22R10S	R	Yes	2.2	90	10	12	0.74	-	-	17	0.1	0.1	4	●
1	CTV25R05S	R	Yes	2.5	90	10	12	0.83	-	-	17	0.05	0.05	4	●
1	CTV25R10S	R	Yes	2.5	90	10	12	0.83	-	-	17	0.1	0.1	4	●
2	CTV22N05S	N	Yes	2.2	90	10	12	-	0	-	-	0.05	0.05	4	●
2	CTV22N10S	N	Yes	2.2	90	10	12	-	0	-	-	0.1	0.1	4	●
2	CTV25N05S	N	Yes	2.5	90	10	12	-	0	-	-	0.05	0.05	4	●
2	CTV25N10S	N	Yes	2.5	90	10	12	-	0	-	-	0.1	0.1	4	●
3	CTV22L05S	L	Yes	2.2	90	10	12	0.74	-	17	-	0.05	0.05	4	●
3	CTV22L10S	L	Yes	2.2	90	10	12	0.74	-	17	-	0.1	0.1	4	●
3	CTV25L05S	L	Yes	2.5	90	10	12	0.83	-	17	-	0.05	0.05	4	●
3	CTV25L10S	L	Yes	2.5	90	10	12	0.83	-	17	-	0.1	0.1	4	●

Cut-off
S

CTV.. series/Inserts Carbide

CTV-R/N/L

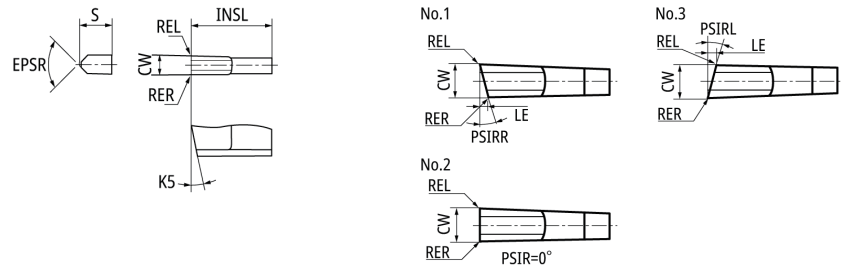


Figure	Item Number	Hand	Chip-breaker	CW	EPSR	INSL	K5	LE	PSIR	PSIRL	PSIRR	REL	RER	S	Carbide PVD	
				mm	°	mm	°	mm	°	°	°	mm	mm	mm	QM3	ZM3
1	CTV25R	R	Yes	2.5	90	12	12	0.41	-	-	8	0.2	0.2	6.39		●
1	CTV30R	R	Yes	3	90	12	12	0.49	-	-	8	0.2	0.2	6.39		●
2	CTV25N	N	Yes	2.5	90	12	12	-	0	-	-	0.2	0.2	6.39		●
2	CTV30N	N	Yes	3	90	12	12	-	0	-	-	0.2	0.2	6.39	●	●
3	CTV30L	L	Yes	3	90	12	12	0.49	-	8	-	0.2	0.2	6.39		●

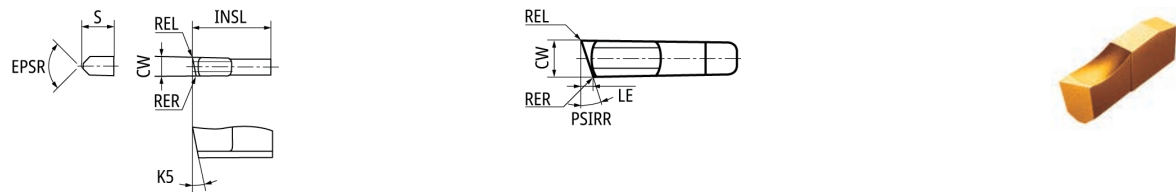
S
Cut-off

CTV-038



Item Number	Hand	Chip-breaker	CW	EPSR	INSL	K5	PSIR	REL	RER	S	Carbide PVD	
			mm	°	mm	°	°	mm	mm	mm	QM3	ZM3
CTV30N038	N	Yes	3	90	12	12	0	0.2	0.2	6.39		●

CTV-A/B



Item Number	Hand	Chip-breaker	CW	EPSR	INSL	K5	LE	PSIRR	REL	RER	S	Carbide PVD	
			mm	°	mm	°	mm	°	mm	mm	mm	QM3	ZM3
CTV25R00A	R	Yes	2.5	90	12	12	0.41	8	0.05MAX	0.05MAX	6.39		●
CTV25R00B	R	Yes	2.5	90	12	12	0.83	17	0.05MAX	0.05MAX	6.39		●
CTV30R00A	R	Yes	3	90	12	12	0.49	8	0.05MAX	0.05MAX	6.39		●
CTV30R00B	R	Yes	3	90	12	12	1	17	0.05MAX	0.05MAX	6.39		●