

CSV.. series/Inserts Carbide

CSV-C-V



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



Item Number	Hand	Chip-breaker	CUTDIA	AN	CDX	CW	EPSR	IC	LE	PSIRR	REL	RER	S	Carbide PVD	
			mm	°	mm	mm	°	mm	mm	°	mm	mm	mm	VM1	
CSV11FRV06		R	No	3	7	2	0.6	35	6.35	0.31	25	0	0	2.38	
CSV11FRV07		R	No	4	7	2.5	0.7	35	6.35	0.36	25	0	0	2.38	
CSV11FRV08		R	No	4	7	2.5	0.8	35	6.35	0.41	25	0	0	2.38	
CSV11FRV09		R	No	4	7	2.5	0.9	35	6.35	0.46	25	0	0	2.38	
CSV11FRV10		R	No	5	7	3	1	35	6.35	0.51	25	0	0	2.38	
CSV11FRV13		R	No	5	7	3	1.3	35	6.35	0.65	25	0	0	2.38	
CSV11FRV15		R	No	5	7	3	1.5	35	6.35	0.74	25	0	0	2.38	
CSV11FLV07		L	No	4	7	2.5	0.7	35	6.35	0.36	25	0	0	2.38	
CSV11FLV08		L	No	4	7	2.5	0.8	35	6.35	0.41	25	0	0	2.38	
CSV11FLV10		L	No	5	7	3	1	35	6.35	0.51	25	0	0	2.38	
CSV11FLV13		L	No	5	7	3	1.3	35	6.35	0.65	25	0	0	2.38	
CSV11FLV15		L	No	5	7	3	1.5	35	6.35	0.74	25	0	0	2.38	

S
Cut-off

CSV-C-VB



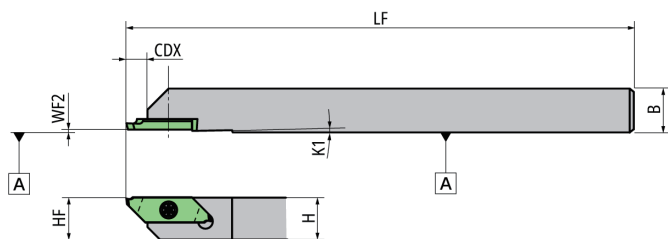
● Diagram shows right-hand tool
All angles shown are obtained when insert is set in the holder.



Item Number	Hand	Chip-breaker	CUTDIA	AN	CDX	CW	EPSR	IC	LE	PSIRR	REL	RER	S	Carbide PVD	
			mm	°	mm	mm	°	mm	mm	°	mm	mm	mm	VM1	
CSV11FRVB06		R	Yes	3	7	2	0.6	35	6.35	0.31	25	0	0	2.38	
CSV11FRVB07		R	Yes	4	7	2.5	0.7	35	6.35	0.36	25	0	0	2.38	
CSV11FRVB08		R	Yes	4	7	2.5	0.8	35	6.35	0.41	25	0	0	2.38	
CSV11FRVB09		R	Yes	4	7	2.5	0.9	35	6.35	0.46	25	0	0	2.38	
CSV11FRVB10		R	Yes	5	7	3	1	35	6.35	0.51	25	0	0	2.38	
CSV11FRVB13		R	Yes	5	7	3	1.3	35	6.35	0.65	25	0	0	2.38	
CSV11FRVB15		R	Yes	5	7	3	1.5	35	6.35	0.74	25	0	0	2.38	

CTPS.. series/Toolholder

CTPS



● Diagram shows right-hand tool



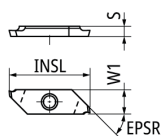
EDP	Item Number	Stock	Hand	CUTDIA mm	B mm	CDX mm	H mm	HF mm	K1 °	LF mm	WF2 mm	Insert Gage	
5346572	CTPSR10	●	R	10	10	5	10	10	1	120	0	TBPS../CTPS..	GTPS../TTPS..
5397187	CTPSR12	●	R	10	12	5	12	12	1	120	0	TBPS../CTPS..	GTPS../TTPS..

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

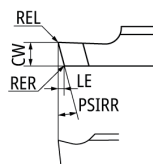
CTPS-FR



● Diagram shows right-hand tool

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

No.1



No.2

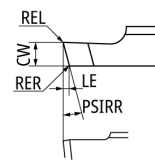
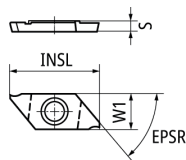


Figure	Item Number	Hand	Chip-breaker	CUTDIA	CW	EPSR	INSL	LE	PSIRR	REL	RER	S	W1	Carbide PVD	
				mm	mm	°	mm	mm	°	mm	mm	mm	mm	VM1	ZM3
1	CTPS12FR	R	Yes	4	1.2	45	20	0.37	16	0.05	0.05	2.5	6	●	●
1	CTPS15FR	R	Yes	5	1.5	45	20	0.46	16	0.05	0.05	2.5	6	●	●
1	CTPS18FR	R	Yes	8.5	1.8	45	20	0.55	16	0.05	0.05	2.5	6	●	●
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	●	●

CTP.. series/Inserts Carbide Right-Hand

CTP-FR



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

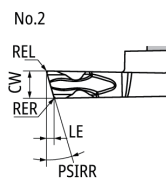
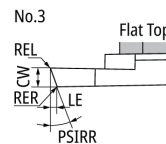
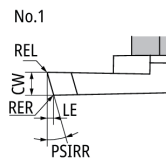
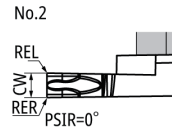
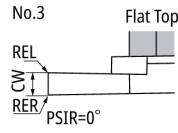
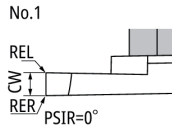
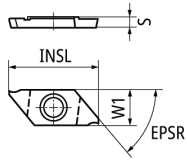


Figure	Item Number	Hand	Chip-breaker														Carbide								PCD
																	PVD								
				CUTDIA	CW	EPSR	INSL	LE	PSIRR	REL	RER	S	W1												
				mm	mm	°	mm	mm	°	mm	mm	mm	mm	DM4	DT4	QM3	ST4	TM4	VM1	ZM3	KM1	PD1			
1	CTP05FR-SH	R	Yes	5	0.5	50	20	0.17	16	0.05	0.05	2.5	8								●				
1	CTP07FR	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

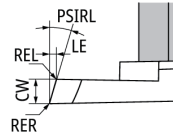
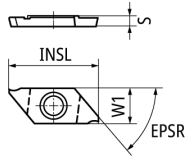
CTP-FRN



●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

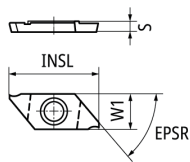


●All angles shown are obtained when insert is set in the holder.

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.

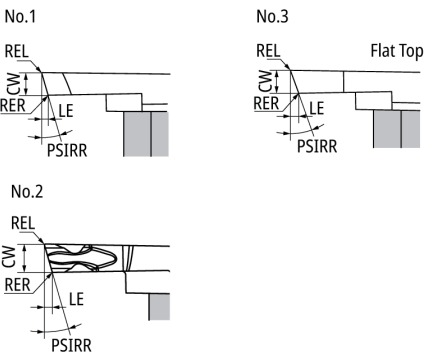
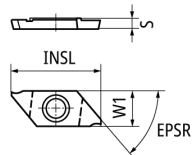


Figure	Item Number	Hand	Chip-breaker	CUTDIA	CW	EPSR	INSL	LE	PSIRR	REL	RER	S	W1	Carbide										PCD						
				mm	mm	°	mm	mm	°	mm	mm	mm	mm	DM4	DT4	QM3	ST4	TM4	VM1	ZM3	KM1	PD1								
1	CTP05FLK-SH	L	Yes	5	0.5	50	20	0.17	16	0.05	0.05	2.5	8																	
1	CTP10FLK	L	Yes	11	1	50	20	0.32	16	0.05	0.05	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.

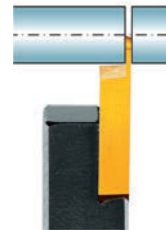
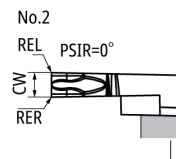
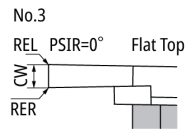
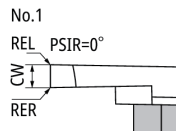
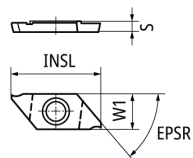


Figure	Item Number	Hand	Chip-breaker	CUTDIA	CW	EPSR	INSL	REL	RER	S	W1	Carbide										PCD		
														PVD										
				mm	mm	°	mm	°	mm	mm	mm	mm	DM4	DT4	QM3	ST4	TM4	VM1	ZM3	KM1	PD1			
1	CTP05FLN-SH	L	Yes	5	0.5	50	20	0.05	0.05	2.5	8													
1	CTP10FLN	L	Yes	12	1	50	20	0.05	0.05	2.5	8			●										●
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.

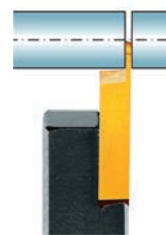
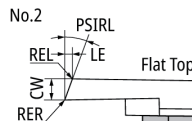
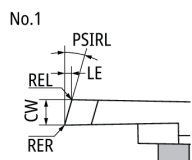
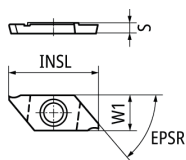


Figure	Item Number	Hand	Chip-breaker	CUTDIA	CW	EPSR	INSL	LE	PSIRL	REL	RER	S	W1	Carbide PVD								PCD
				mm	mm	°	mm	mm	°	mm	mm	mm	mm	DM4	DT4	QM3	ST4	TM4	VM1	ZM3	KM1	PD1
1	CTP07FL	L	Yes	8	0.7	50	20	0.23	16	0.05	0.05	2.5	8									●
1	CTP10FL	L	Yes	12	1	50	20	0.32	16	0.05	0.05	2.5	8									●
2	CTP10FLV		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.

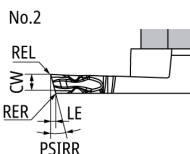
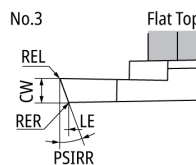
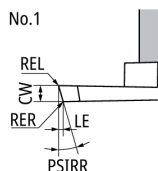
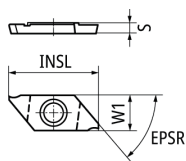


Figure	Item Number	Hand	Chip-breaker	CUTDIA	CW	EPSR	INSL	LE	PSIRR	REL	RER	S	W1	Carbide										PCD																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
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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.

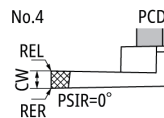
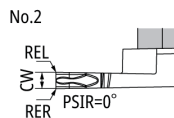
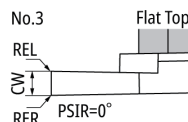
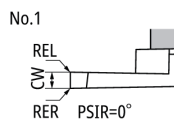
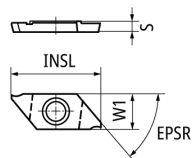


Figure	Item Number	Hand	Chip-breaker	CUTDIA	CW	EPSR	INSL	PSIR	REL	RER	S	W1	Carbide									PCD	
													PVD										
													DM4	DT4	QM3	ST4	TM4	VM1	ZM3	KM1	PD1		
1	CTPA07FRN	R	Yes	8	0.7	45	25	0	0.05	0.05	3.5	9.4											
1	CTPA10FRN	R	Yes	–	1	45	25	0	–	–	3.5	9.4											
1	CTPA15FRN	R	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		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.

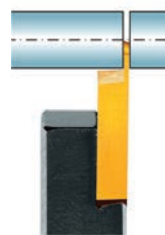
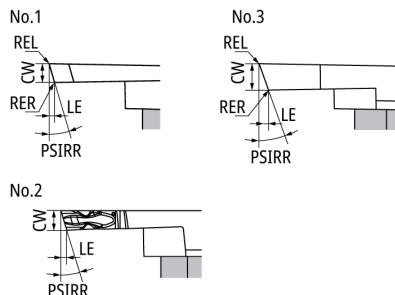
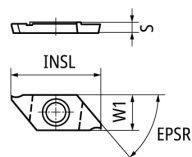
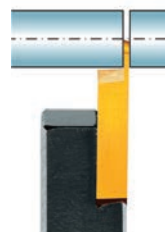
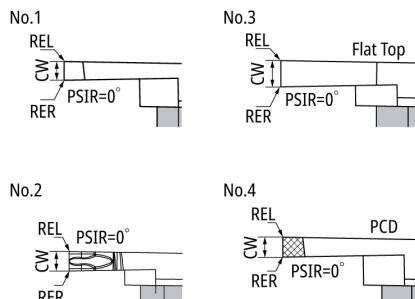


Figure	Item Number	Hand	Chip-breaker	CUTDIA	CW	EPSR	INSL	LE	PSIRR	REL	RER	S	W1	Carbide PVD								PCD																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
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1	CTPA07FLK	L	Yes	6.5	0.7	45	25	0.23	16	0.05	0.05	3.5	9.4																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														

CTPA-FLN



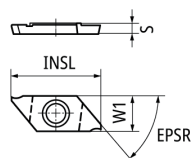
●All angles shown are obtained when insert is set in the holder.



Cut-off
S

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.

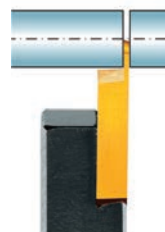
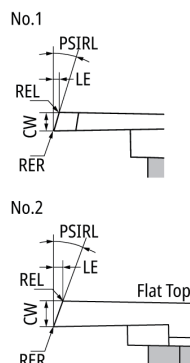


Figure	Item Number	Hand	Chip-breaker	CUTDIA	CW	EPSR	INSL	LE	PSIRL	REL	RER	S	W1	Carbide PVD								PCD		
														DM4	DT4	QM3	ST4	TM4	VM1	ZM3	KM1		PD1	
1	CTPA07FL	L	Yes	8	0.7	45	25	0.23	16	0.05	0.05	3.5	9.4											
1	CTPA10FL	L	Yes	12	1	45	25	0.32	16	0.05	0.05	3.5	9.4											
1	CTPA15FL	L	Yes	16	1.5	45	25	0.46	16	0.05	0.05	3.5	9.4											
1	CTPA20FL	L	Yes	16	2	45	25	0.61	16	0.05	0.05	3.5	9.4											
2	CTPA20FL V		No	16	2	45	25	0.77	20	0	0	3.5	9.4											