



Chamfer angle
15° 30°
45° 60°

Back & Front Chamfer Tool

New

Features

- All applications for Chamfer
 - : Back Chamfering, Front Chamfering, De-burring, Counter sinking
- Chamfer angle 15°, 30°, 45°, 60° for various customer's needs
- The long cutting edge provides a wide chamfering range which reduces the number of tools



Back & Front Chamfer Tools



Long Chamfer Tools



Back & Front Chamfer Tool

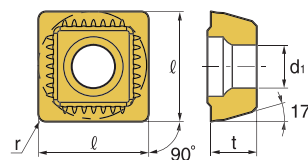
Code system | Insert

Code system

CE	45	-	11	-	25	R	-	S	20
Chamfer endmill	Chamfer angle		Available insert		Min. machined diameter (Ø25)	Hand of tool		Tool length	Shank diameter
			11 : SPMT110408-KC 12 : SPMN120308 31 : XCET310404ER-KC			- R : Right - L : Left		- S : Standard - M : Middle - L : Long	- ISO : mm - AISI : inch

Insert

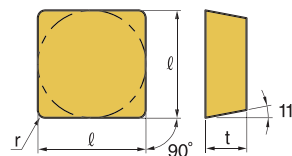
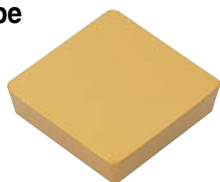
Back & Front Chamfer Type



Designation	ℓ	t	r	d_1	Coated				Uncoated	
					PC230	PC3525	PC3545	PC6510	G10	ST30A
SPMT110408-KC	11.5	4.8	0.8	4.5	●	○	○	○	●	●

● Stock item, ○ Under preparing for stock

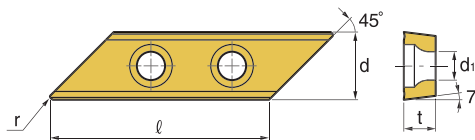
Front Chamfer Type



Designation	ℓ	t	r	Coated		Uncoated
				NCM325	PC3525	ST30A
SPMN120308	12.7	3.18	0.8	○	○	●

● Stock item, ○ Under preparing for stock

Long Chamfer Type



Designation	ℓ	d	t	r	d_1	Coated				Uncoated	
						PC230	PC3525	PC3545	PC6510	G10	ST30A
XCET310404ER-KC	30.9	9.525	4.5	0.4	4.4	●	○	○	○	●	●

● Stock item, ○ Under preparing for stock



Back & Front Chamfer Tool

Holder

Holder

Back & Front Chamfer Type

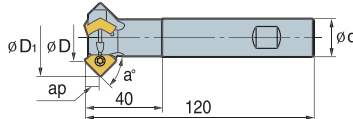


Fig.1

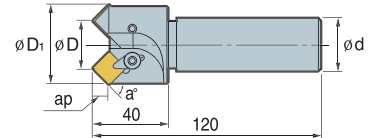
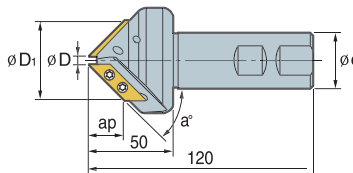


Fig.2

Designation	Stock	Available Insert	Chamfer angle (a°)		ϕD	ϕD_1	ϕd	a_p	Fig.	No. of tooth	Available diameter Min.~ Max.	Applications
			Front	Back								
CE15-1125R-S20	●	SPMT110408 -KC	15°	-	25	30.5	20	9.5	1	2	Ø25 ~ Ø30	Front chamfering
CE30-1125R-S20	●		30°	60°	25	35.5	20	8.5		2	Ø25 ~ Ø35	Back, Front chamfering
CE45-1107R-S20	●		45°	-	7	21.9	20	7.0		1	Ø7 ~ Ø21	Front chamfering
CE45-1119R-S20	●		45°	45°	19	33.9	20	7.0		2	Ø19 ~ Ø33	Back, Front chamfering
CE45-1125R-S20	●		45°	45°	25	39.9	20	7.0		3	Ø25 ~ Ø39	Back, Front chamfering
CE60-1125R-S32	●	SPMN120308	60°	30°	25	43.3	32	5.0	2	3	Ø25 ~ Ø42	Back, Front chamfering
CE45-1207R-S32	●		45°	-	7	23.3	32	7.8		1	Ø7 ~ Ø22	Front chamfering
CE45-1220R-S32	●		45°	-	20	37.3	32	7.8		2	Ø21 ~ Ø36	Front chamfering
CE45-1225R-S32	○		45°	-	25	42.3	32	7.8		2	Ø26 ~ Ø41	Front chamfering
CE45-1235R-S32	●		45°	-	35	52.3	32	7.8		2	Ø36 ~ Ø51	Front chamfering

● Stock item, ○ Under preparing for stock

Long Chamfer Type



Designation	Stock	Available Insert	Chamfer angle (a°)	ϕD	ϕD_1	ϕd	a_p	No. of tooth	Available diameter Min.~ Max.	Applications
CE30-3105R-S32	●	XCET310404 ER-KC	30°	5	35	32	26.4	1	Ø5 ~ Ø35	Front chamfering
CE45-3105R-S32	●		45°	5	48	32	21.5	2	Ø5 ~ Ø48	Front chamfering
CE60-3105R-S32	●		60°	5	57.7	32	15.2	2	Ø5 ~ Ø57.7	Front chamfering

● Stock item, ○ Under preparing for stock



Back & Front Chamfer Tool

Parts | Recommended cutting condition | Application examples

Parts

Designation				
CE00 - 11 00R - S00	FTKA0408	-	-	TW15S
CE00 - 12 00R - S00	CHX0617L	CH6R2	CR05	HW30L
CE00 - 31 00R - S00	FTKA03510	-	-	TW15S

Recommended cutting condition

ISO	Chamfering		Face chamfering		Grade
	vc (m/min)	fz (mm/t)	vc (m/min)	fz (mm/t)	
P	100~160	0.2~0.5	100~160	0.05~0.25	PC230 PC3525 PC3545 ST30A
M	90~120	0.1~0.3	90~120	0.05~0.15	PC3545
K	100~160	0.2~0.6	100~160	0.05~0.25	PC6510 G10

Application examples

