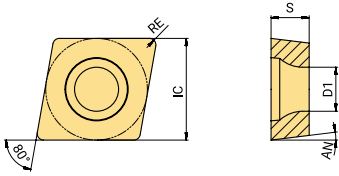


Turning Inserts Positive 80° (C)

(mm)



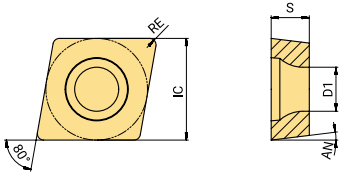
Product code	IC	S	D1	AN
CC_0602_	6.35	2.38	2.80	7°
CC_09T3_	9.525	3.97	4.40	7°
CC_1204_	12.688	4.76	5.50	7°

Inserts	Product code	RE (mm)	Recommended parameters		Machining conditions														
					● Good Conditions ● General Conditions ✖ Bad Conditions														
					P				M				K				N		S
		f (mm/rev)	ap (mm)	AT202	AT210A	AC052P	AC152P	AC252P	AC350P	AC100M	AC200M	AP200U	AP301M	AC100K	AC102K	AC202K	AW100K	AP100S	
Finishing		CCMT 060202-F1T	0.20	0.05-0.15	0.30-1.50	●	●												
		060204-F1T	0.40	0.05-0.15	0.30-1.50	●	●												
		09T304-F1T	0.40	0.10-0.25	0.60-1.50	●	●												
		09T308-F1T	0.80	0.10-0.25	0.60-1.50	●	●												
		CCMT 060202E-PA1	0.20	0.04-0.25	0.10-0.80	●	●	●	○										
		09T308E-PA1	0.80	0.05-0.30	0.10-0.80	●	●	●	●										
		CCMT 060202E-PB1	0.20	0.02-0.07	0.15-1.60	●	●		●	●		●	●	●					
		060204E-PB1	0.40	0.04-0.14	0.30-1.60	●	●		●	○		●	●	●					
		060208E-PB1	0.80	0.09-0.28	0.60-1.60	●	●		○	○		●	●	●					
		09T302E-PB1	0.20	0.02-0.07	0.15-2.40	●	●		●	●		●	●	●					
		09T304E-PB1	0.40	0.04-0.14	0.30-2.40	●	●		●	○		●	●	●					●
		09T308E-PB1	0.80	0.09-0.28	0.60-2.40	●	●	●	●	○		●	●	●					
		CCMT 060202-F2K	0.20	0.06-0.15	0.50-2.00	●	●												
		060204-F2K	0.40	0.08-0.20	0.50-2.00	●	●												
		09T302-F2K	0.20	0.06-0.15	0.50-2.00	●	●												
09T304-F2K		0.40	0.08-0.20	0.50-2.00	●	●													
09T308-F2K		0.80	0.10-0.25	0.50-2.00	●	●													
Semi-finishing		CCMT 060204E-PC2	0.40	0.05-0.16	0.35-1.90	●	●		●	●		●	●	●				●	
		060208E-PC2	0.80	0.10-0.32	0.70-1.90	●	●		●	●		●	●	●				●	
		09T304E-PC2	0.40	0.05-0.16	0.35-2.90	●	●	●	●	●		●	●	●				●	
		09T308E-PC2	0.80	0.10-0.32	0.70-2.90	●	●	○	●	○		●	●	●				●	
		09T312E-PC2	1.20	0.16-0.48	1.05-2.90				●	○		●	●	●					
		120404E-PC2	0.40	0.05-0.16	0.35-3.90	●	●		●	●		●	●	●					●
		120408E-PC2	0.80	0.10-0.32	0.70-3.90	●	●		●	○		●	●	●					●
	120412E-PC2	1.20	0.16-0.48	1.05-3.90	●	●		○	○		●	●	●					●	
		CCMT 09T304E-M2T	0.40	0.10-0.25	0.70-3.50	●	●												
		09T308E-M2T	0.80	0.10-0.25	0.70-3.50	●	●												
		CCMT 060204-M2Y	0.40	0.08-0.25	0.50-2.50	●	●												

● : Standard stock ○ : Made-to-Order

Turning Inserts Positive 80° (C)

(mm)



Product code	IC	S	D1	AN
CC_0301_	3.50	1.43	2.20	7°
CC_0401_	4.30	1.83	2.30	7°
CC_0602_	6.35	2.38	2.80	7°
CC_09T3_	9.525	3.97	4.40	7°
CC_1204_	12.688	4.76	5.50	7°

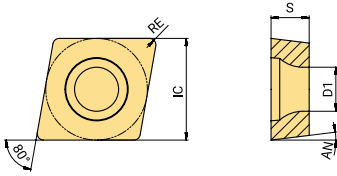
ISO Turning Inserts

Inserts	Product code	RE (mm)	Recommended parameters		Machining conditions														
					● Good Conditions ● General Conditions ✖ Bad Conditions														
					P					M					K			N	S
f (mm/rev)	ap (mm)	AT202	AT210A	AC052P	AC152P	AC252P	AC350P	AC100M	AC200M	AP200U	AP301M	AC100K	AC102K	AC202K	AW100K	AP100S			
Medium	CCMT 060204E-KC2	0.40	0.06-0.18	0.40-2.10	●	●		●	●		●	●	●					●	
	060208E-KC2	0.80	0.12-0.36	0.80-2.10	●	●		●	●		●	●	●					●	
	09T304E-KC2	0.40	0.06-0.18	0.40-3.20	●	●	○	○	●	●		●	●	●				●	
	09T308E-KC2	0.80	0.12-0.36	0.80-3.20	●	●	○	○	●	●		●	●	●				●	
	120404E-KC2	0.40	0.06-0.18	0.40-4.30	●	●	○	○		●	●	●	●	●				●	
	120408E-KC2	0.80	0.12-0.36	0.80-4.30	●	●	○	○	●	●	●	●	●	●				●	
120412E-KC2	1.20	0.18-0.54	1.20-4.30	●	●	○	○		●	●	●	●	●				●		
Roughing	CCMW 060204E-KD5	0.40	0.10-0.22	0.40-3.20														●	
	09T304E-KD5	0.40	0.10-0.22	0.40-4.80														●	
	09T308E-KD5	0.80	0.20-0.44	0.80-4.80														●	
	120404E-KD5	0.40	0.10-0.22	0.40-6.40														●	
	120408E-KD5	0.80	0.20-0.44	0.80-6.40														●	
	120412E-KD5	1.20	0.30-0.66	1.20-6.40														●	
Finishing	CCET 0301003FR-F	<0.03	0.01-0.05	0.10-0.30								○	●						
	0301003FL-F	<0.03	0.01-0.05	0.10-0.30								○	●						
	0301005FR-F	<0.05	0.01-0.05	0.10-0.30								○	●						
	0301005FL-F	<0.05	0.01-0.05	0.10-0.30								○	●						
	030101FR-F	<0.10	0.01-0.05	0.10-0.30	○							○	●						
	030101FL-F	<0.10	0.01-0.05	0.10-0.30	○							○	●						
	030102FR-F	<0.20	0.01-0.05	0.10-0.30	○							○	●						
	030102FL-F	<0.20	0.01-0.05	0.10-0.30	●							○	●						
	030104FR-F	<0.40	0.01-0.05	0.10-0.30	○							○	●						
	030104FL-F	<0.40	0.01-0.05	0.10-0.30	●							○	●						
	CCET 0401003FR-F	<0.03	0.01-0.06	0.10-0.40								○	●						
	0401003FL-F	<0.03	0.01-0.06	0.10-0.40								○	●						
	0401005FR-F	<0.05	0.01-0.06	0.10-0.40								○	●						
	0401005FL-F	<0.05	0.01-0.06	0.10-0.40								○	●						
	040101FR-F	<0.10	0.01-0.06	0.10-0.40	○							○	●						
	040101FL-F	<0.10	0.01-0.06	0.10-0.40	○							○	●						
	040102FR-F	<0.20	0.01-0.06	0.10-0.40	○							○	●						
	040102FL-F	<0.20	0.01-0.06	0.10-0.40	●							○	●						
040104FR-F	<0.40	0.01-0.06	0.10-0.40	○							○	●							
040104FL-F	<0.40	0.01-0.06	0.10-0.40	○							○	●							

● : Standard stock ○ : Made-to-Order

Turning Inserts Positive 80° (C)

(mm)



Product code	IC	S	D1	AN
CC_0602_	6.35	2.38	2.80	7°
CC_09T3_	9.525	3.97	4.40	7°

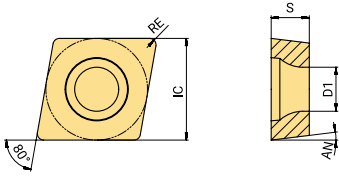
Inserts	Product code	RE (mm)	Recommended parameters		Machining conditions														
			f (mm/rev)	ap (mm)	● Good Conditions ◐ General Conditions ✖ Bad Conditions														
					P				M				K				N		S
					AT202	AT210A	AC052P	AC152P	AC252P	AC350P	AC100M	AC200M	AP200U	AP301M	AC100K	AC102K	AC202K	AW100K	AP100S
Low feed	CCET 0602003FR-M	<0.03	0.02-0.10	0.50-2.50									○	●					
	0602003FL-M	<0.03	0.02-0.10	0.50-2.50									○	●					
	0602005FR-M	<0.05	0.02-0.10	0.50-2.50									○	●					
	0602005FL-M	<0.05	0.02-0.10	0.50-2.50									○	●					
	060201FR-M	<0.10	0.02-0.10	0.50-2.50		○							○	●					
	060201FL-M	<0.10	0.02-0.10	0.50-2.50		○							○	●					
	060202FR-M	<0.20	0.02-0.10	0.50-2.50		○							○	●					
	060202FL-M	<0.20	0.02-0.10	0.50-2.50		●							○	●					
	060204FR-M	<0.40	0.01-0.10	0.50-2.50		○							○	●					
	060204FL-M	<0.40	0.01-0.10	0.50-2.50		○							○	●					
	CCET 09T3003FR-M	<0.03	0.02-0.10	0.50-4.00									○	●					
	09T3003FL-M	<0.03	0.02-0.10	0.50-4.00									○	●					
	09T3005FR-M	<0.05	0.02-0.10	0.50-4.00									○	●					
	09T3005FL-M	<0.05	0.02-0.10	0.50-4.00									○	●					
	09T301FR-M	<0.10	0.02-0.10	0.50-4.00		○							○	●					
	09T301FL-M	<0.10	0.02-0.10	0.50-4.00		○							○	●					
	09T302FR-M	<0.20	0.02-0.10	0.50-4.00		○							○	●					
	09T302FL-M	<0.20	0.02-0.10	0.50-4.00		○							○	●					
09T304FR-M	<0.40	0.02-0.10	0.50-4.00		●							○	●						
09T304FL-M	<0.40	0.02-0.10	0.50-4.00		○							○	●						

ISO Turning Inserts

● : Standard stock ○ : Made-to-Order

Turning Inserts Positive 80° (C)

(mm)



Product code	IC	S	D1	AN
CP_0802_	7.94	3.40	2.38	11°
CP_0903_	9.513	3.18	4.40	11°

ISO Turning Inserts

Inserts	Product code	RE (mm)	Recommended parameters		Machining conditions															
					● Good Conditions ● General Conditions ✖ Bad Conditions															
					P						M				K			N		S
f (mm/rev)	ap (mm)	AT202	AT210A	AC052P	AC152P	AC252P	AC350P	AC100M	AC200M	AP200U	AP301M	AC100K	AC102K	AC202K	AW100K	AP100S				
Finishing	CPMT 080202E-PB1	0.20	0.02-0.07	0.15-2.00	●	●	○													
	080204E-PB1	0.40	0.04-0.14	0.30-2.00	●	●	○													
	090302E-PB1	0.20	0.02-0.07	0.15-2.40	●	●	○													
	090304E-PB1	0.40	0.04-0.14	0.30-2.40	●	●	○													
	090308E-PB1	0.80	0.09-0.28	0.60-2.40	●	●	○													
Semi-finishing	CPMT 090304E-PC2	0.40	0.05-0.15	0.35-2.90	●	●	○													
	090308E-PC2	0.80	0.10-0.32	0.70-2.90	●	●	○													

● : Standard stock ○ : Made-to-Order

S/A-SCLC Steel Boring Bar (Internal /Internal Face Boring)

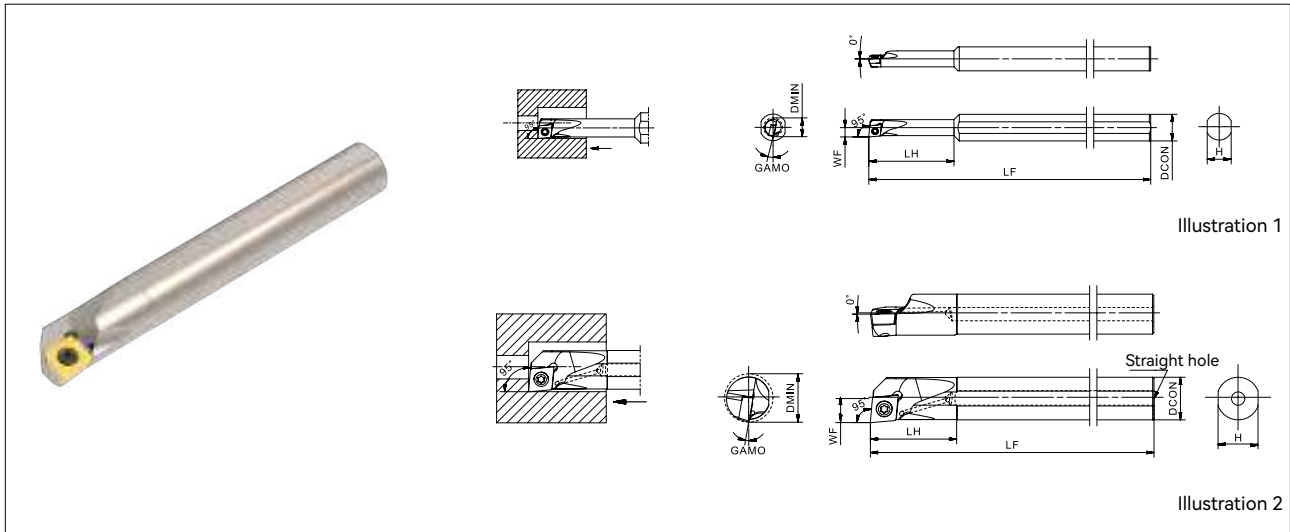


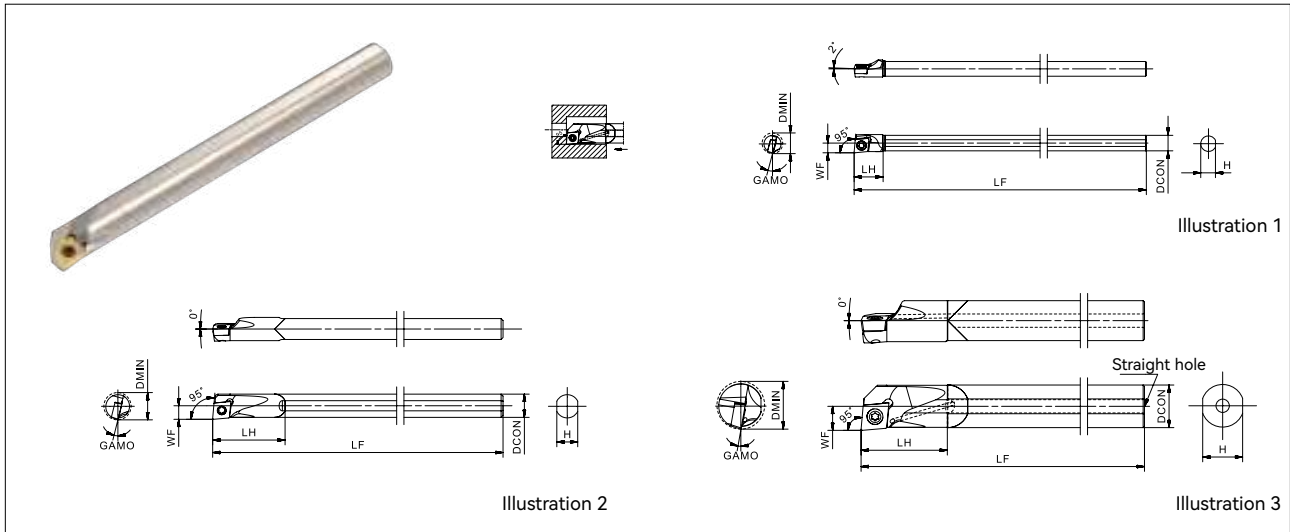
Illustration 1

Illustration 2

Product code	Stock		Minimum boring hole diameter (mm)	Dimension						Insert corner radius (RE)	Internal coolant	Illustration	Spare parts		Insert
	R	L		DCON	H	LF	LH	WF	GAMO				Screw	Wrench	
			DMIN												
S10H-SCLCR/L03-05	○	○	5	10	9	100	24	2.5	15°	0.2	Without	1	SP016032	FT-TP05	CC*T 0301... CC*W 0301...
S10H-SCLCR/L03-06	○	○	6				28	3	13°						
S10H-SCLCR/L04-07	●	●	7				32	3.5	14°						
S10H-SCLCR/L04-08	○	○	8				37	4	11°						
A08H-SCLCR/L06-10	●	●	10	8	7	100	16	5	14°	0.4	With	2	SP025045	FT-TP08	CC*T 0602... CC*W 0602...
A10K-SCLCR/L06-12	●	●	12	10	9	125	22	6	12°						
A12M-SCLCR/L06-14	●	●	14	12	11	150	26	7	10°						
A16Q-SCLCR/L09-18	●	●	18	16	15	180	32.4	9	8°						
A20R-SCLCR/L09-22	●	●	22	20	19	200	38.5	11	8°						
A25S-SCLCR/L09-27	○	○	27	25	24	250	46	13.5	6°				SP040065	FT-TP15	
										SP040093X					

● : Standard stock ○ : Made-to-Order

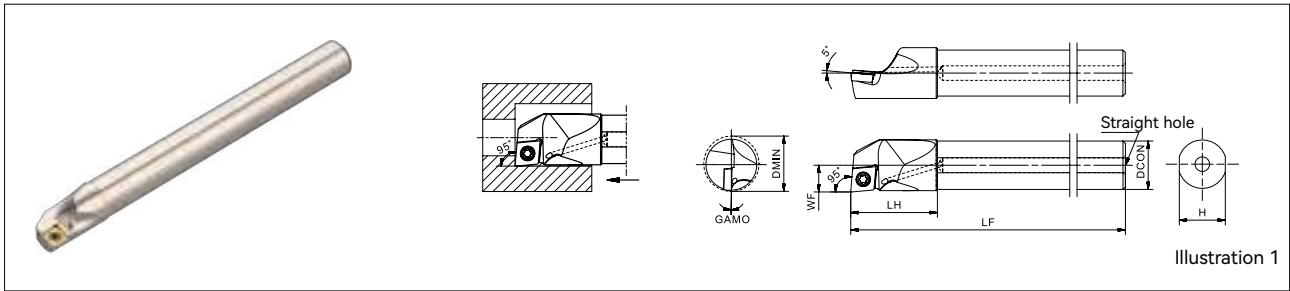
C/E-SCLC Carbide Boring Bar (Internal/Internal Face Boring)



Product code	Stock		Minimum boring hole diameter (mm)	Dimension						Insert corner radius (RE)	Internal coolant	Illustration	Spare parts		Insert
	R	L		DCON	H	LF	LH	WF	GAMO				Screw	Wrench	
			DMIN												
C04F-SCLCR/L03-05	○	○	5	4	3.8	80	7	2.5	15°	0.2	Without	1	SP016032	FT-TP05	CC*T 0301... CC*W 0301...
C05G-SCLCR/L03-06	○	○	6	5	4.4	90	9	3	13°						
C06H-SCLCR/L04-07	●	●	7	6	5.4	100	14	3.5	14°						
C07J-SCLCR/L04-08	○	○	8	7	6.4	110	11	4	11°						
E08K-SCLCR/L06-10	○	○	10	8	7	125	14	5	14°	0.4	With	3	SP025045	FT-TP08	CC*T 0602... CC*W 0602...
E10M-SCLCR/L06-12	○	○	12	10	9	150	18	6	12°						
E12M-SCLCR/L06-14	●	●	14	12	11	150	27	7	10°						
E16Q-SCLCR/L09-18	●	●	18	16	15	180	32.4	9	10°						
E20R-SCLCR/L09-22	○	○	22	20	19	200	32	11	8°						
E25S-SCLCR/L09-27	○	○	27	25	24	250	38	13.5	6°						

● : Standard stock ○ : Made-to-Order

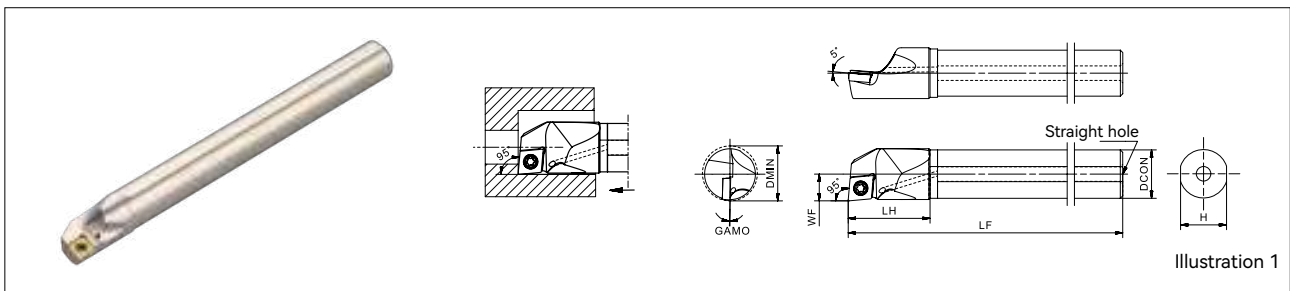
A-SCLP Steel Boring Bar (Internal/Internal Face Boring)



Product code	Stock		Minimum boring hole diameter (mm) DMIN	Dimension						Insert corner radius (RE)	Internal coolant	Illustration	Spare parts		Insert
	R	L		DCON	H	LF	LH	WF	GAMO				Screw	Wrench	
A10K-SCLPR/L08-12	○	○	12	10	9	125	20	6	5°	0.4	With	1			CP*T 0802...
A12M-SCLPR/L08-14	○	○	14	12	11	150	24	7	4°				SP030065	FT-TP08	CP*T 0802...
A16Q-SCLPR/L09-18	○	○	18	16	15	180	30	9	3.5°				SP040065	FT-TP15	CP*T 0903...
A20R-SCLPR/L09-22	○	○	22	20	19	200	36	11	2°				SP040093X		
A25S-SCLPR/L09-27	○	○	27	25	24	250	46	13.5	0°						

● : Standard stock ○ : Made-to-Order

E-SCLP Carbide Boring Bar (Internal/Internal Face Boring)



Product code	Stock		Minimum boring hole diameter (mm) DMIN	Dimension						Insert corner radius (RE)	Internal coolant	Illustration	Spare parts		Insert
	R	L		DCON	H	LF	LH	WF	GAMO				Screw	Wrench	
E10M-SCLPR/L08-12	○	○	12	10	9	150	18	6	5°	0.4	With	1			CP*T 0802...
E12M-SCLPR/L08-14	○	○	14	12	11	150	23	7	4°				SP030065	FT-TP08	CP*T 0802...
E16Q-SCLPR/L09-18	○	○	18	16	15	180	28	9	3.5°				SP040065	FT-TP15	CP*T 0903...
E20R-SCLPR/L09-22	○	○	22	20	19	200	32	11	2°				SP040093X		
E25S-SCLPR/L09-27	○	○	27	25	24	250	38	13.5	0°						

● : Standard stock ○ : Made-to-Order