



BIG + KAISER CK Boring System
BIG DAISHOWA

SC/CC Insert New Coating Grades

CW20PA CW30PA CW20KA CW15KA

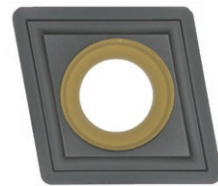


High Strength Alumina Layer



for Steel

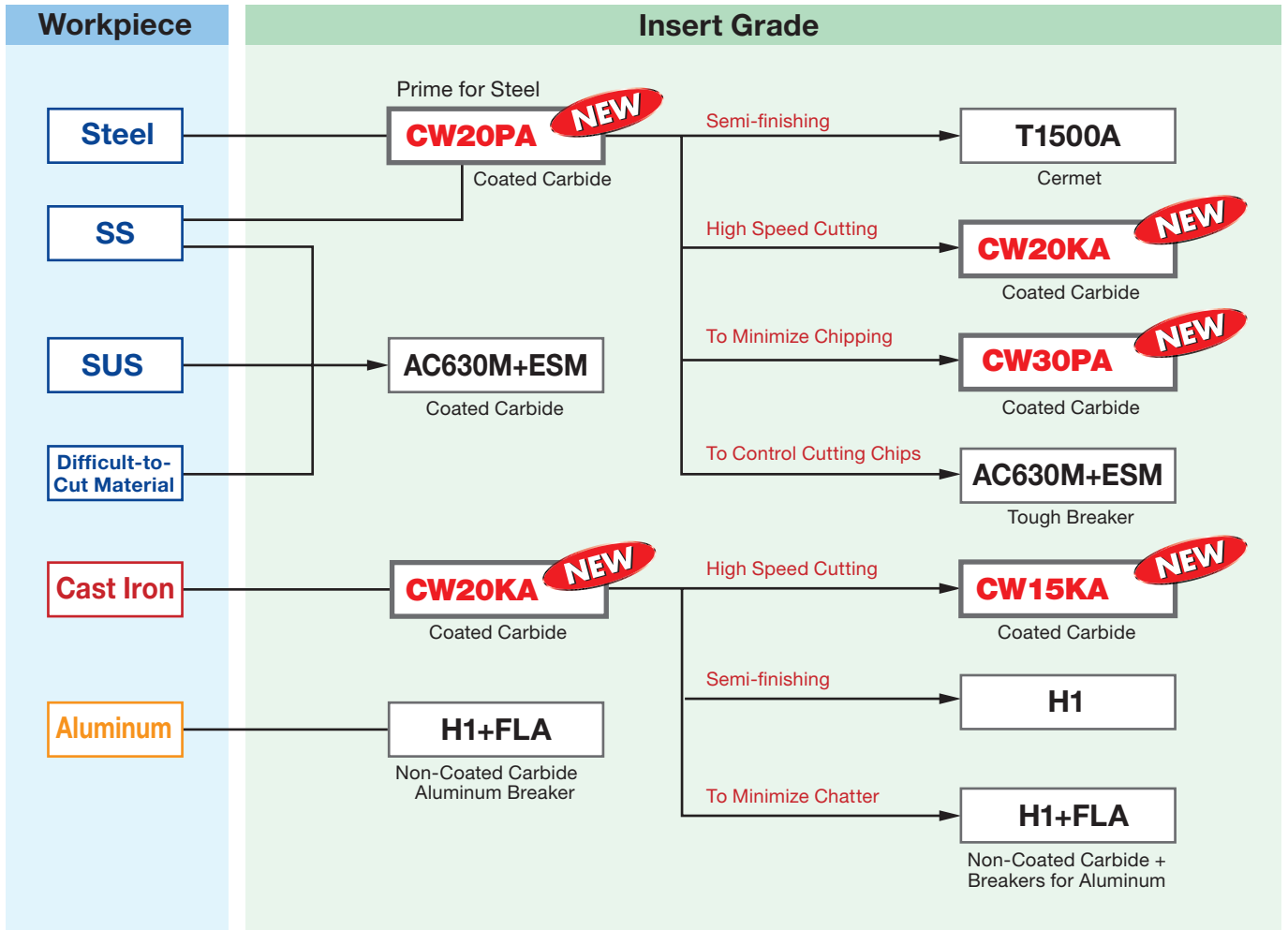
AC820P → **CW20PA**
AC830P → **CW30PA**



for Cast Iron

AC700G → **CW20KA**
AC410K → **CW15KA**

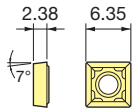
Insert Selection Chart



SC Insert

● **BIG** designs optimal inserts exclusive for boring. Select the suitable insert to the application.

< SC06 >

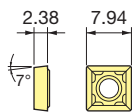


Insert Holder
Cartridge

- For EWN/EWE/ENH4-1S - ENH5-3S
- For SW/SW2026A, SW2531A, SW2533A, SW3240A

No.	Insert Model	Nose Radius	Workpiece	Grade	Material
1	SCMP060204EFM	0.4	General Steels	T1500A	Cermet (P10)
2	NEW SCMP060204EFM			CW20PA	Coated Carbide (P20)
3	NEW SCMP060204EFM			CW30PA	Coated Carbide (P30)
4	SCMP060204ESM		SS/SUS	AC630M	Coated Carbide (M30)
5	NEW SCMP060204EFM		Cast Iron	CW15KA	Coated Carbide (K10)
6	NEW SCMP060204EFM			CW20KA	Coated Carbide (K20)
7	SCGA060204FN			H1	Carbide (K10 Equivalent)
8	SCGP060204FLA		Aluminum	H1	Carbide + Breakers for Aluminum

< SC07 >

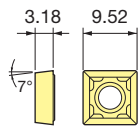


Insert Holder
Cartridge

- For EWN/EWE/ENH6-1S - ENH6-3S, ENH7-1S
- For RW/RW2533A

No.	Insert Model	Nose Radius	Workpiece	Grade	Material
1	SCGP070204EFM	0.4	General Steels	T1500A	Cermet (P10)
2	NEW SCMP070204EFM			CW20PA	Coated Carbide (P20)
3	NEW SCMP070204EFM			CW30PA	Coated Carbide (P30)
4	SCMP070204ESM		SS/SUS	AC630M	Coated Carbide (M30)
5	NEW SCMP070204EFM		Cast Iron	CW15KA	Coated Carbide (K10)
6	NEW SCMP070204EFM			CW20KA	Coated Carbide (K20)
7	SCGA070204FN			H1	Carbide (K10 Equivalent)
8	SCGP070204FLA		Aluminum	H1	Carbide + Breakers for Aluminum

< SC09 >

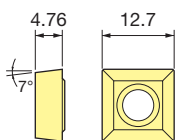


Cartridge

- For SW/SW3242A, SW4151A, SW4154A, SW5366A
- For RW/RW3242A, RW4154A

No.	Insert Model	Nose Radius	Workpiece	Grade	Material	
1	SCGM090304EFM	0.4	General Steels	T1500A	Cermet (P10)	
2	SCGM090308EFM	0.8				
3	NEW SCMM090304EFM	0.4		CW20PA	Coated Carbide (P20)	
4	NEW SCMM090308EFM	0.8				
5	NEW SCMM090308EFM	0.8				
6	SCMM090308ESM	0.8		SS/SUS	AC630M	Coated Carbide (M30)
7	NEW SCMM090308EFM	0.8		Cast Iron	CW15KA	Coated Carbide (K10)
8	NEW SCMM090308EFM	0.8			CW20KA	Coated Carbide (K20)
9	SCGA090304FN	0.4			H1	Carbide (K10 Equivalent)
10	SCGM090308FLA	0.8		Aluminum	H1	Carbide + Breakers for Aluminum

< SC12 >



Cartridge

- For SW/SW5370A, SW6986A, SW6890A, SW88110A, SW98126A, SW125153A, SW148176A, SW175203A
- For TW/TW200A
- For RW/RW5370A, RW6888A, RW86106A, RW100125A, RW125150A

No.	Insert Model	Nose Radius	Workpiece	Grade	Material	
1	SCGM120404EFM	0.4	General Steels	T1500A	Cermet (P10)	
2	SCGM120408EFM	0.8				
3	NEW SCMM120404EFM	0.4		CW20PA	Coated Carbide (P20)	
4	NEW SCMM120408EFM	0.8				
5	NEW SCMM120408EFM	0.8				
6	SCMM120408ESM	0.8		SS/SUS	AC630M	Coated Carbide (M30)
7	NEW SCMM120408EFM	0.8		Cast Iron	CW15KA	Coated Carbide (K10)
8	NEW SCMM120408EFM	0.8			CW20KA	Coated Carbide (K20)
9	SCGA120404FN	0.4			H1	Carbide (K10 Equivalent)
10	SCGM120408FLA	0.8		Aluminum	H1	Carbide + Breakers for Aluminum

[Remarks]

1. Inserts are available in packets of 10 pcs.

2. Please specify the insert model number and grade when ordering.

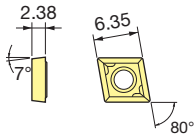
Example: **SCMP060204EFM (CW20PA)** ... 10 pcs

Insert Model Grade

CC Insert

● **BIG** designs optimal inserts exclusive for boring. Select the suitable insert to the application.

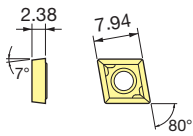
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Insert Holder Cartridge ● For EWN/EWE/ENH4-1F - ENH5-3F
● For SW/SW2026E, SW2531E, SW2533E, SW3240E

No.	Insert Model	Nose Radius	Workpiece	Grade	Material
1	CCMP060204EFM	0.4	General Steels	T1500A	Cermet (P10)
2	NEW CCMP060204EFM			CW20PA	Coated Carbide (P20)
3	NEW CCMP060204EFM			CW30PA	Coated Carbide (P30)
4	CCMP060204ESM		SS/SUS	AC630M	Coated Carbide (M30)
5	NEW CCMP060204EFM		Cast Iron	CW15KA	Coated Carbide (K10)
6	NEW CCMP060204EFM			CW20KA	Coated Carbide (K20)
7	CCGA060204FN			H1	Carbide (K10 Equivalent)
8	CCGP060204FLA		Aluminum	H1	Carbide + Breakers for Aluminum

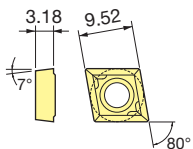
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Insert Holder Cartridge ● For EWN/EWE/ENH6-1F - ENH6-3F, ENH7-1F
● For RW/RW2533E, RW3037E

No.	Insert Model	Nose Radius	Workpiece	Grade	Material
1	CCGP070204EFM	0.4	General Steels	T1500A	Cermet (P10)
2	NEW CCMP070204EFM			CW20PA	Coated Carbide (P20)
3	NEW CCMP070204EFM			CW30PA	Coated Carbide (P30)
4	CCMP070204ESM		SS/SUS	AC630M	Coated Carbide (M30)
5	NEW CCMM070204ESS		SS	CW30PA	(Breakers for SS)
6	NEW CCMP070204EFM		Cast Iron	CW15KA	Coated Carbide (K10)
7	NEW CCMP070204EFM			CW20KA	Coated Carbide (K20)
8	CCGA070204FN			H1	Carbide (K10 Equivalent)
9	CCGP070204FLA		Aluminum	H1	Carbide + Breakers for Aluminum

< CC09 >



Cartridge ● For SW/SW3242E, SW4151E, SW4154E, SW5366E
● For RW/RW3242E, RW4048E, RW4154E, RW5162E

No.	Insert Model	Nose Radius	Workpiece	Grade	Material
1	CCGM090304EFM	0.4	General Steels	T1500A	Cermet (P10)
2	CCGM090308EFM	0.8		CW20PA	Coated Carbide (P20)
3	NEW CCMM090304EFM	0.4			CW30PA
4	NEW CCMM090308EFM	0.8	SS/SUS	AC630M	
5	NEW CCMM090308EFM	0.8		SS	CW30PA
6	CCMM090308ESM	0.8	Cast Iron		CW15KA
7	NEW CCMM090308ESS	0.8		CW20KA	Coated Carbide (K20)
8	NEW CCMM090308EFM	0.8	H1		Carbide (K10 Equivalent)
9	NEW CCMM090304EFM	0.4		Aluminum	H1
10	NEW CCMM090308EFM	0.8			
11	CCGA090304FN	0.4			
12	CCGM090308FLA	0.8			

[Remarks]

1. Inserts are available in packets of 10 pcs.

2. Please specify the insert model number and grade when ordering.

Example: CCMP060204EFM (CW20PA) ... 10 pcs

Insert Model Grade

CC Insert

● **BIG** designs optimal inserts exclusive for boring. Select the suitable insert to the application.

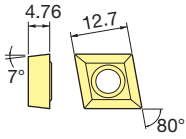
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Cartridge

● For SW/SW5370E, SW6986E, SW6890E, SW88110E, SW98126E, SW125153E, SW148176E, SW175203E

● For TW/TW200E

● For RW/RW5370E, RW6681E, RW6888E, RW86106E, RW100125E, RW125150E



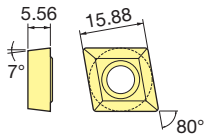
No.	Insert Model	Nose radius	Workpiece	Grade	Material	
1	CCGM120404EFM	0.4	General Steels	T1500A	Cermet (P10)	
2	CCGM120408EFM	0.8		CW20PA	Coated Carbide (P20)	
3	NEW CCMM120404EFM	0.4			CW30PA	Coated Carbide (P30)
4	NEW CCMM120408EFM	0.8				Coated Carbide (M30)
5	NEW CCMM120408EFM	0.8		SS/SUS	AC630M	Coated Carbide (M30)
6	CCMM120408ESM	0.8	SS	CW30PA	(Breakers for SS)	
7	NEW CCMM120408ESS	0.8	Cast Iron	CW15KA	Coated Carbide (K10)	
8	NEW CCMM120408EFM	0.8		CW20KA	Coated Carbide (K20)	
9	NEW CCMM120404EFM	0.4			H1	Carbide (K10 Equivalent)
10	NEW CCMM120408EFM	0.8	Aluminum	H1	Carbide + Breakers for Aluminum	
11	CCGA120404FN	0.4				
12	CCGM120408FLA	0.8				

< CC16 >

Cartridge

● For SW/SW6890EL, SW88110EL, SW98126EL, SW125153EL, SW148176EL, SW175203EL

● For TW/TW200EL



No.	Insert Model	Nose radius	Workpiece	Grade	Material
1	NEW CCMM160508EFM	0.8	General Steels	CW20PA	Coated Carbide (P20)
2	NEW CCMM160508EFM			CW30PA	Coated Carbide (P30)
3	NEW CCMM160508ESS		SS	CW30PA	(Breakers for SS)
4	NEW CCMM160508EFM		Cast Iron	CW20KA	Coated Carbide (K20)

[Remarks]

1. Inserts are available in packets of 10 pcs.

2. Please specify the insert model number and grade when ordering.

Example: **CCMM120404EFM** (**CW20PA**) ... 10 pcs

Insert Model Grade



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