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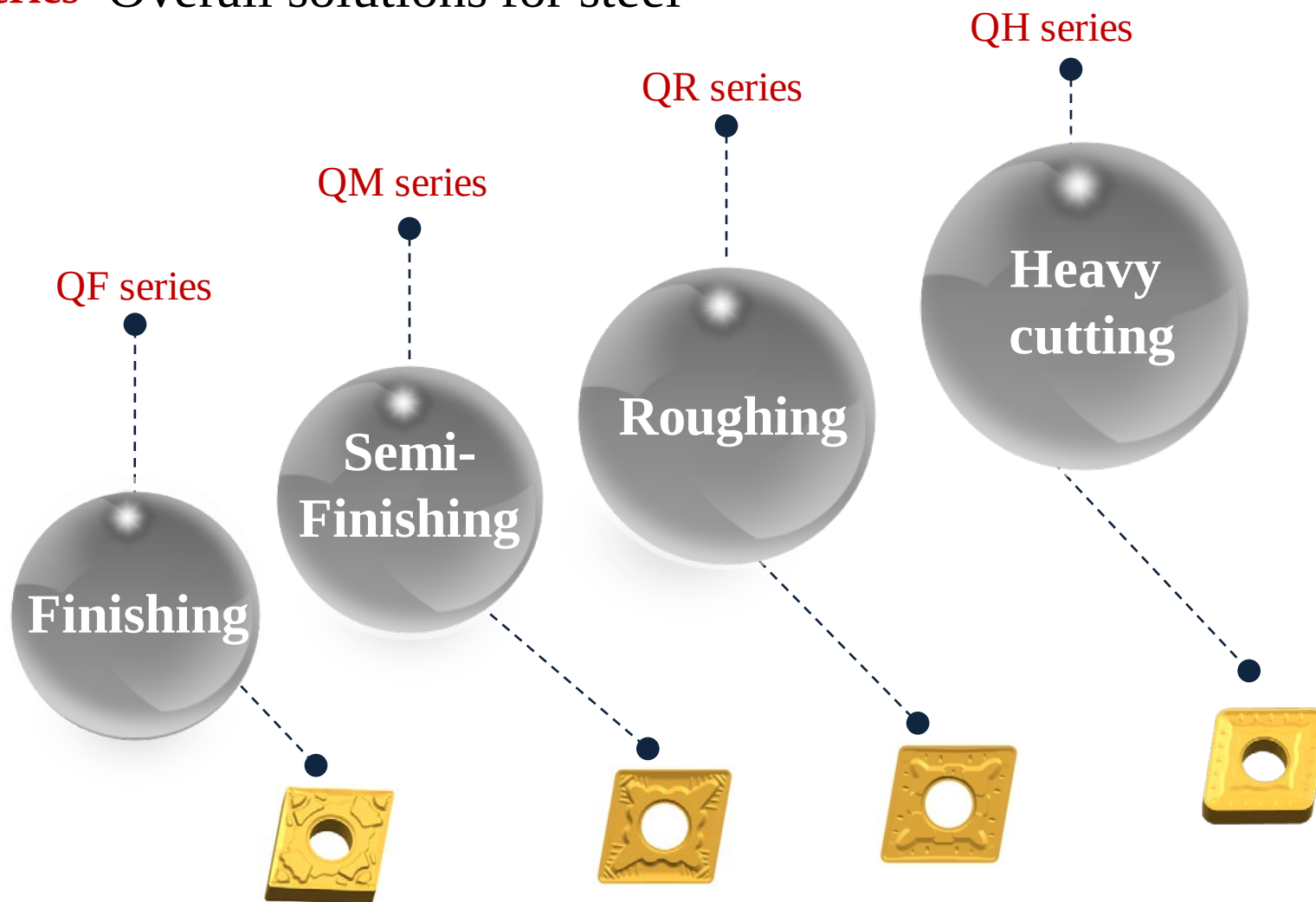




Токарные пластины

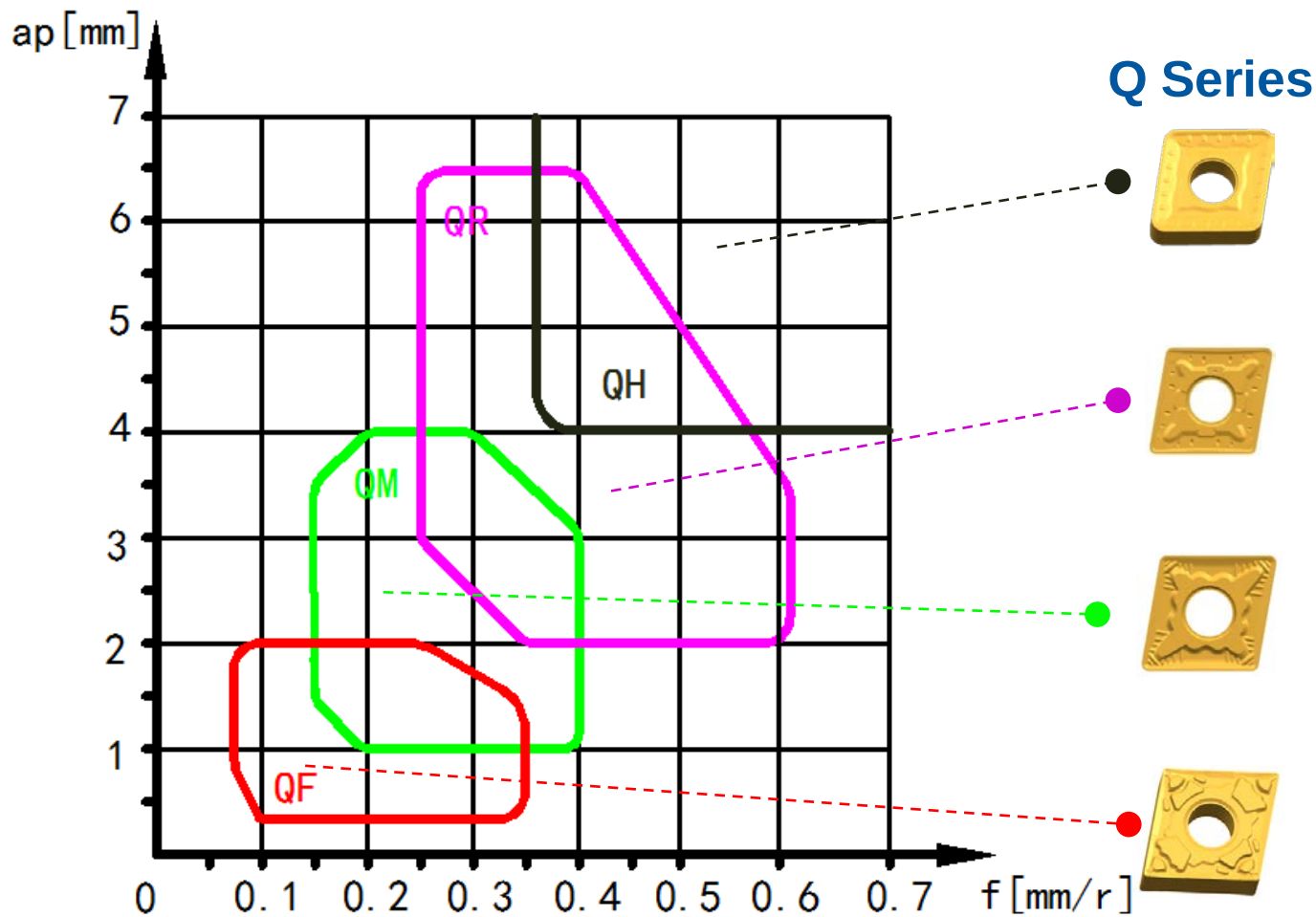
(Negative Inserts)

- 1.1 “P” Negative Turning Inserts
- 1.2 “K” Negative Turning Inserts
- 1.3 “M” Negative Turning Inserts
- 1.4 “S” Negative Turning Inserts

Q series Overall solutions for steel

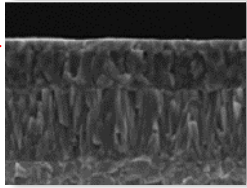
1.1 “P” Negative Turning Inserts

Application Range

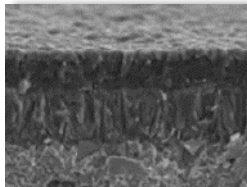


Grades

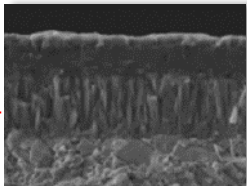
COATED CARBIDES

**GP1115:** Finishing and Semi-finishing

- **Application** : Suitable for **continuous cutting** of steel and alloy steel.

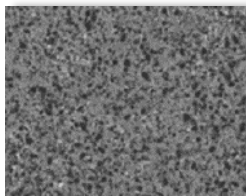
**GP1225:** Semi-finishing to Light Roughing

- **Application** : Suitable for **light interrupted cutting** of steel and alloy steel.

**GP1135:** Roughing

- **Application** : Suitable for **interrupted cutting** of steel and alloy steel.

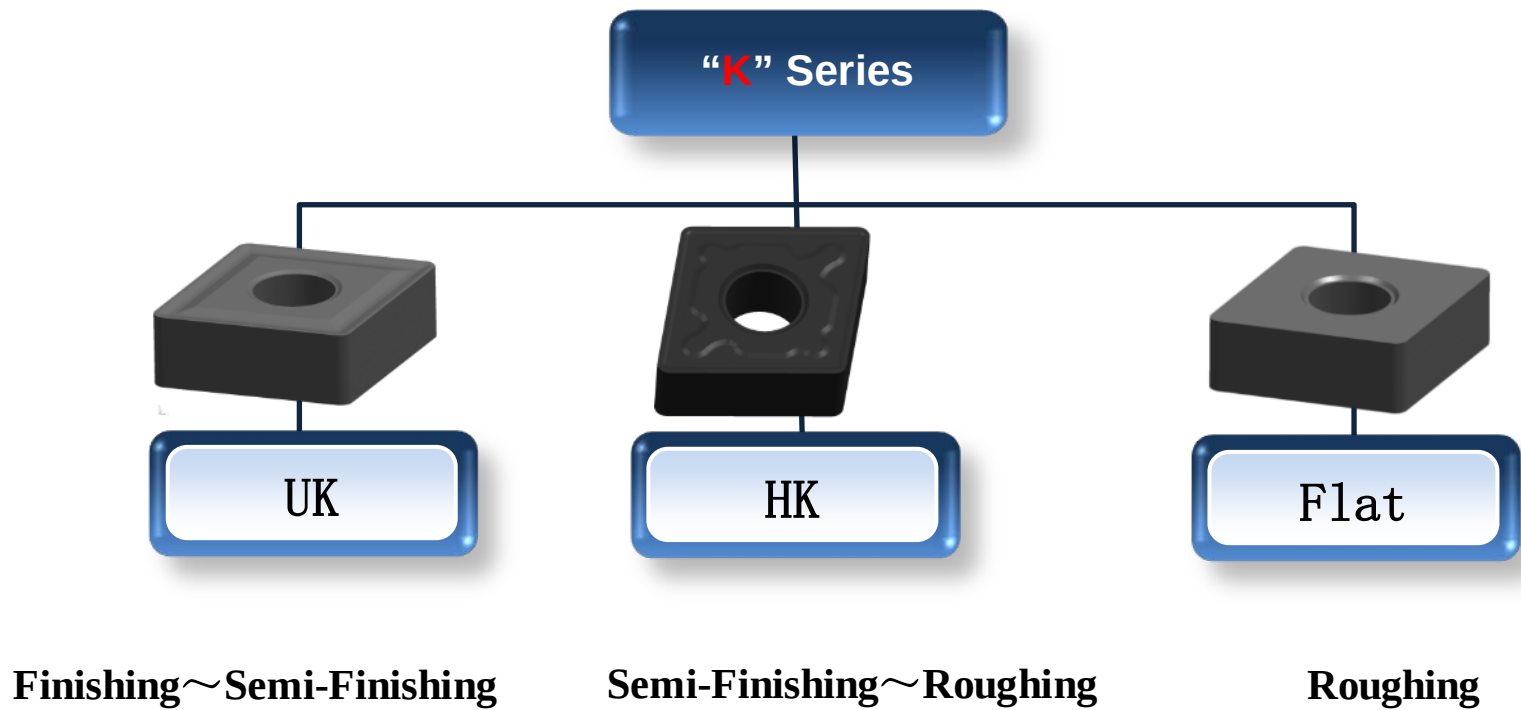
CERMET

**GP91TF:** Finishing and semi-finishing

- **Application** : For **continuous cutting** of steel and alloy steel.

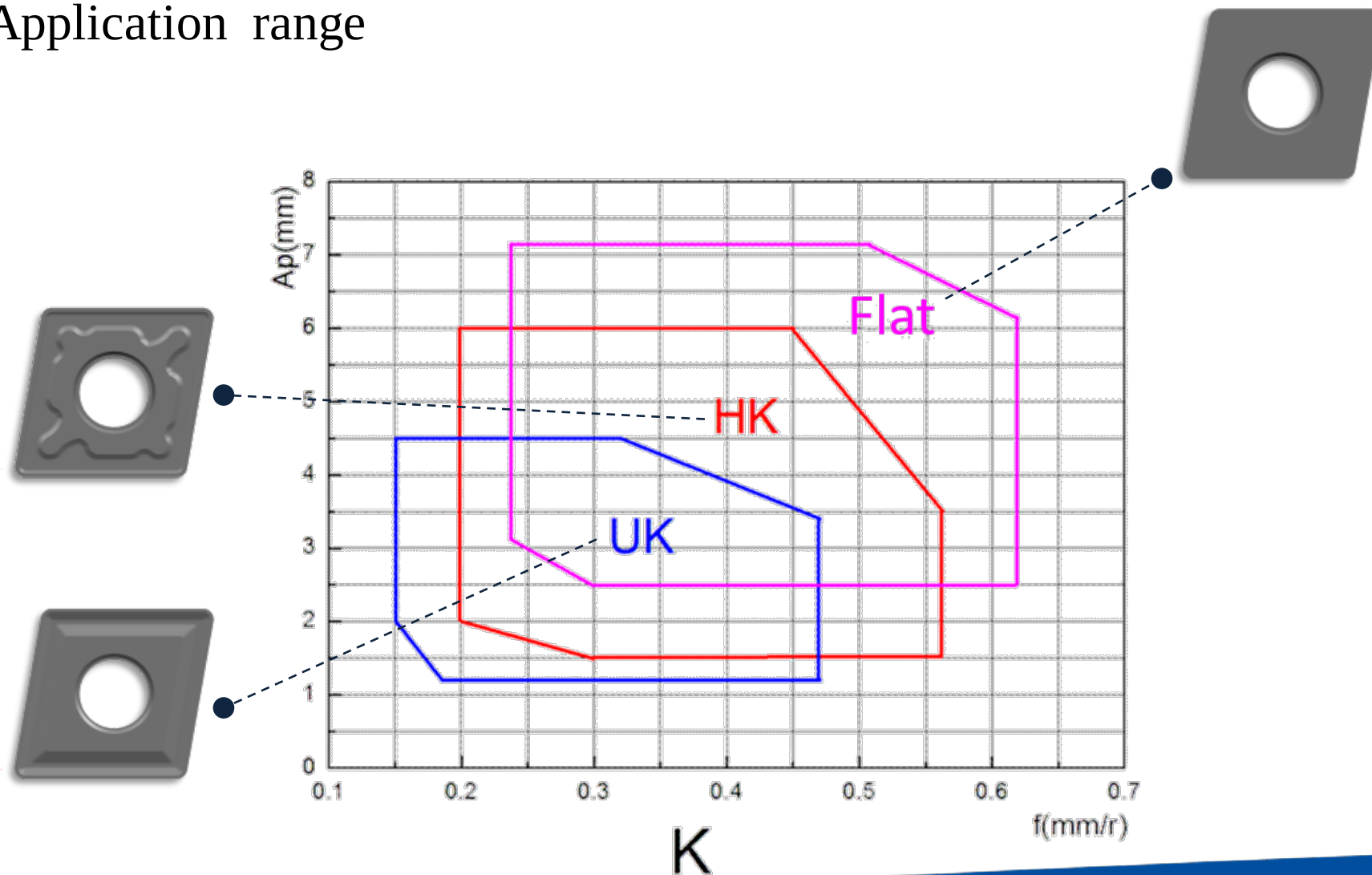
1.2 “K” Negative Turning Inserts

K series Overall solutions for cast iron

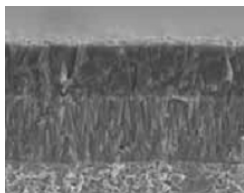


1.2 “K” Negative Turning Inserts

Application range

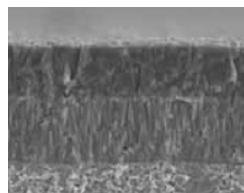


Grades



GK1115: Finishing and Semi-finishing

- **Application** : Suitable for continuous and light interrupted cutting of cast iron.



GK1120: Finishing and Semi-finishing

- **Application** : Suitable for continuous and light interrupted cutting of ductile cast iron.



GK1125: Semi-finishing and Roughing

- **Application** : Suitable for continuous and interrupted cutting in cast iron.

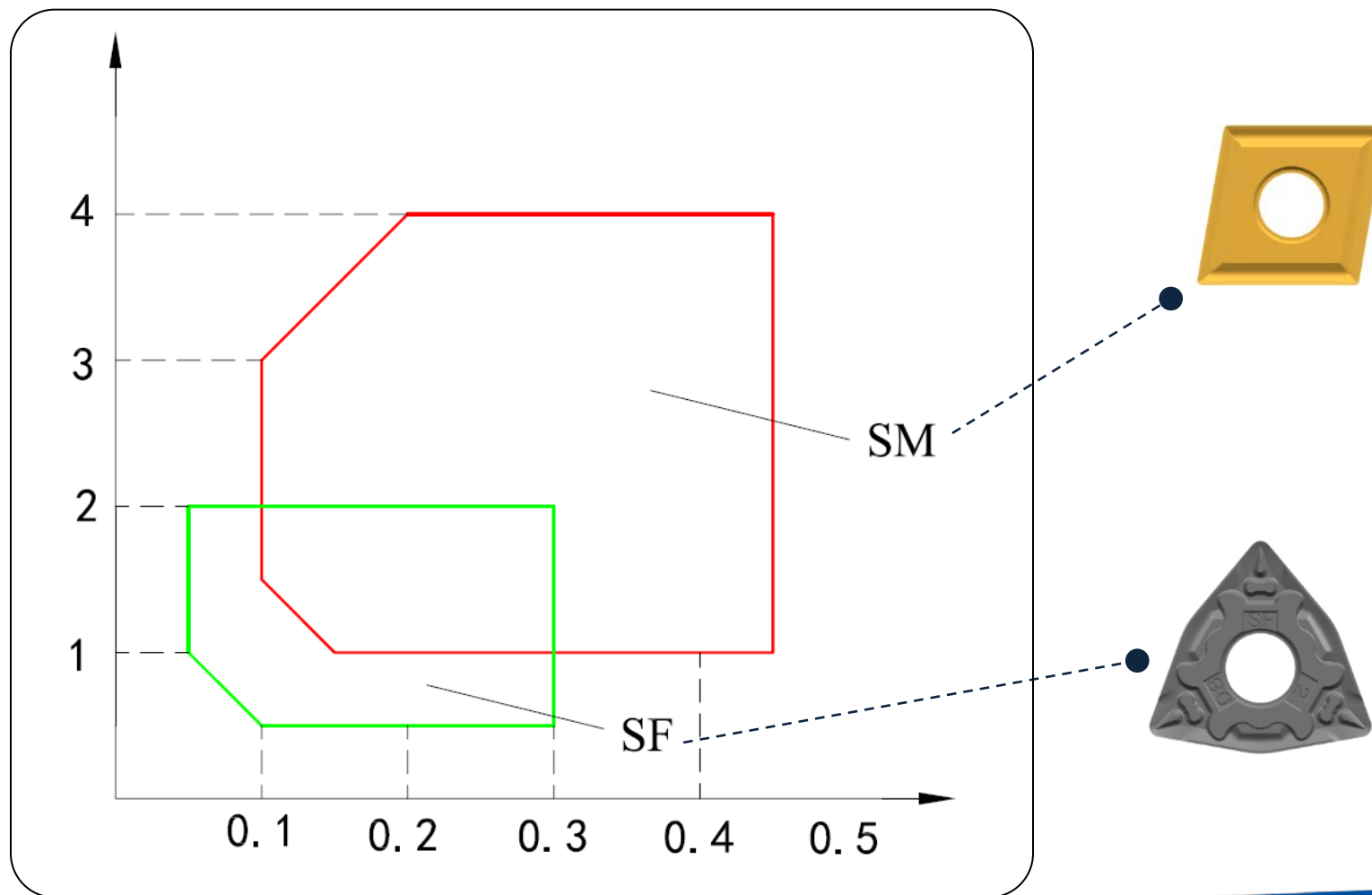


GK1130: Semi-finishing and Roughing

- **Application** : Suitable for continuous and interrupted cutting in ductile cast iron.

1.3 “M” Negative Turning Inserts

Application range



1.3 “M” Negative Turning Inserts

Grades

GM1125

PVD coating, special for **high-speed continuous turning** of stainless steel .
Superior wear resistance.



GM3125

PVD coating, preferred grade for turning stainless steel, suitable for **semi-finishing and light roughing**.



GS3115

PVD coating, grade for HRSA and stainless steel , suitable for **finishing and semi-finishing**.



1.4 “S” Negative Turning Inserts

» GS3125 & EF Series

Briefing

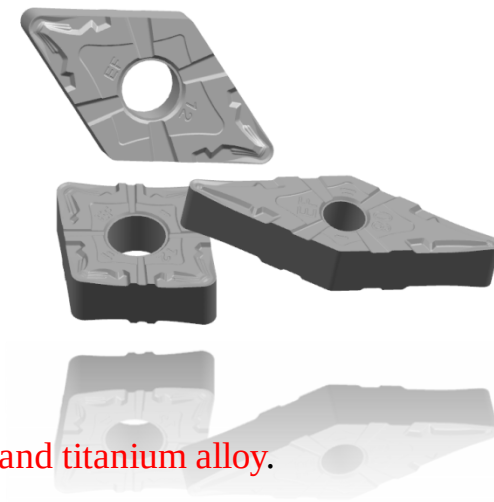
- The cutting performance equals NF4 series of WALTER.
- **EF Series:** sharp cutting edge and good surface finish
- **Grade:** GS3125

Application

- Suitable for **semi-finishing and finishing** of **heat-resistant alloy and titanium alloy**.
- Apply to finishing and super finishing in **aerospace industry**

Specification

- 6 types



Types	Grade	Application	Stock	Fig.
CNMG120408-EF	GS3125	finishing and super finishing cutting of HRSA	•	
CNMG120412-EF	GS3125		•	
DNMG150608-EF	GS3125		•	
DNMG150612-EF	GS3125		•	
VNMG160408-EF	GS3125		•	
VNMG160412-EF	GS3125		•	



2

Токарные пластины

(Positive Inserts)

2.1 **GP** Series Positive Turning Inserts

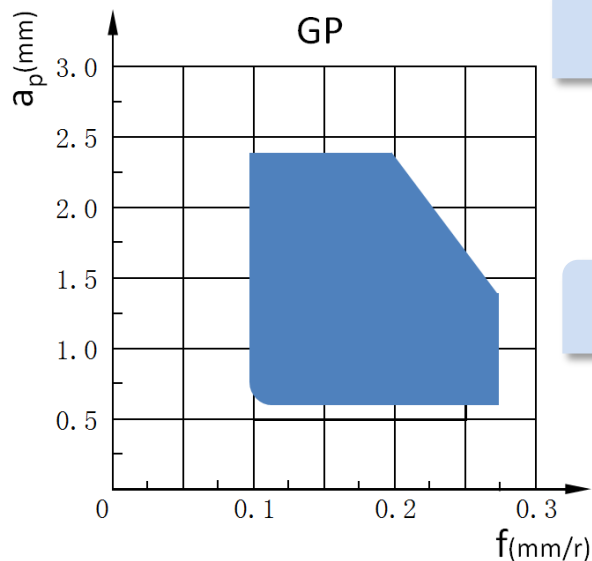
2.2 **AL** Series Positive Turning Inserts

2.3 **MM** Series Positive Turning Inserts

2.4 **KM** Series Positive Turning Inserts

2.1 GP Series

» GP Series



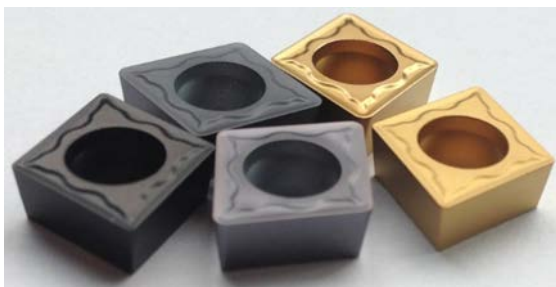
Briefing

- GP for light cutting of general steel, stainless steel and cast iron

Application

- Match with 7 substrate grades for different application

Application		GP
P	Finishing	GP1115\GP91TF
	Semi-Finishing	GP1225\GP3125
M	Semi-Finishing	GM1125\GM3125
K	Finishing	GK1115



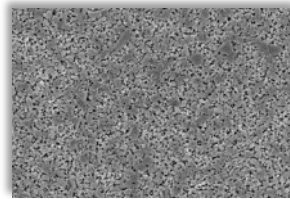
AL Series

AL



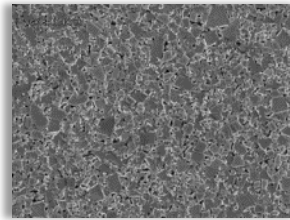
&

GN9115



- superior wear resistance, special for high speed;

GN9125



- high toughness and superior wear resistance.



2.3 MM Series



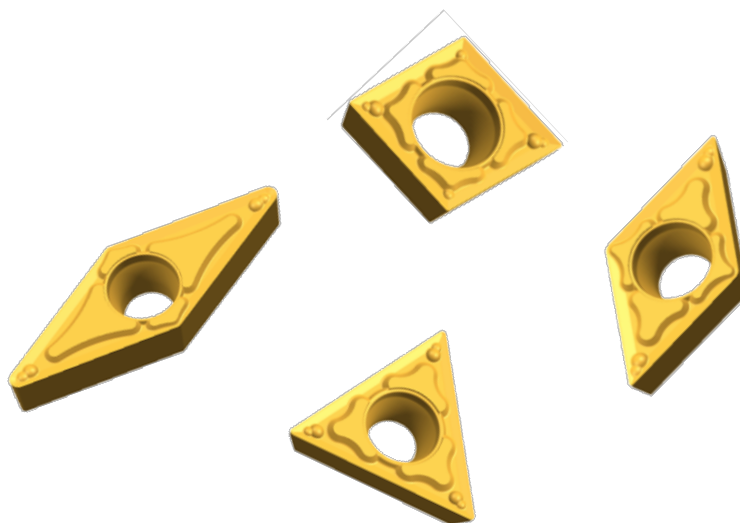
» MM Series

Briefing

- The cutting performance equals: HMP series of KORLOY
- GP1115\GP1225 : Suitable for steel
- GS3115\GM1125 : Suitable for stainless steel

Application

- Apply to **finishing of steel and stainless steel**



2.3 MM Series



» MM Series

Specification ➤ 17 types , 4 shapes(C,D,T,V)

Type	Grade	Working Condition	Stock	Diagram	Type	Grade	Working Condition	Stock	Diagram
CCMT060202-MM	GP1115	Finishing of steel and stainless steel	•		DCMT070204-MM	GP1115	Finishing of steel and stainless steel	•	
	GP1225		•			GP1225		•	
	GM1125		•			GM1125		•	
	GS3115					GS3115			
CCMT060204-MM	GP1115		•		DCMT070208-MM	GS3115			
	GP1225				DCMT11T302-MM	GP1115		•	
	GM1125		•			GM1125			
	GS3115					GS3115			
CCMT060208-MM	GS3115				DCMT11T304-MM	GP1115			
CCMT09T302-MM	GP1115		•			GP1225	Finishing of steel and stainless steel	•	
	GP1225		•			GM1125		•	
	GM1125		•			GS3115		•	
	GS3115					GP1115			
CCMT09T304-MM	GP1115		•		DCMT11T308-MM	GS3115			
	GS3115		•		TPMT110204-MM	GP1115			
CCMT09T308-MM	GP1115		•			GS3115			
	GS3115					GP1115	Finishing of steel and stainless steel	•	
CPMT09T304-MM	GP1115				VBMT160404-MM	GP1225		•	
	GS3115					GM1125		•	
CPMT09T308-MM	GP1115					GS3115			
	GS3115					GP1115			
DCMT070202-MM	GP1115		•		VBMT160408-MM	GP1225		•	
	GP1225		•			GM1125		•	
	GM1125		•			GS3115			
	GS3115								

2.4 KM Series

» KM Series

Briefing

- The cutting performance equals:
MU series with AC410K of SUMITOMO
CM series with T5115 of TUNGALOY
- **GK1115** : Suitable for cast iron
- **GP1225** : Suitable for steel

Application

- Apply to **semi-finishing and roughing** of **steel and cast iron**

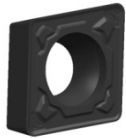
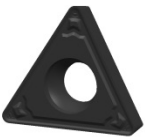
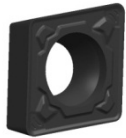
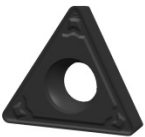
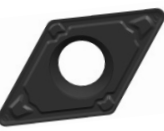


2.4 KM Series

» KM Series

Specification ➤ 14 types , 5 shapes(C,D,S,T,V)



Types	Grade	Working Codition	Stock	Fig.	Types	Grade	Working Codition	Stock	Fig.
CCMT09T304-KM	GP1225	Suitable for semi-finishing to rough cutting of steels and cast iron.	●		TCMT110204-KM	GP1225	Suitable for semi-finishing to rough cutting of steels and cast iron		
	GK1115		●			GK1115			
CCMT09T308-KM	GP1225		●		TCMT16T304-KM	GP1225		●	
	GK1115		●			GK1115		●	
CCMT120408-KM	GP1225		●		TCMT16T308-KM	GP1225		●	
	GK1115					GK1115		●	
CCMT120412-KM	GP1225		●		VBMT160408-KM	GP1225		●	
	GK1115		●			GK1115			
DCMT11T304-KM	GP1225		●		VCMT160404-KM	GP1225			
	GK1115		●			GK1115			
DCMT11T308-KM	GP1225		●		VCMT160408-KM	GP1225		●	
	GK1115		●			GK1115			
SCMT09T308-KM	GP1225		●						
	GK1115		●						
SCMT120408-KM	GP1225								
	GK1115								



Токарные державки

2.1 Negative External Turning Toolholders

Negative inserts, “M” (Multi-Option) Clamping System

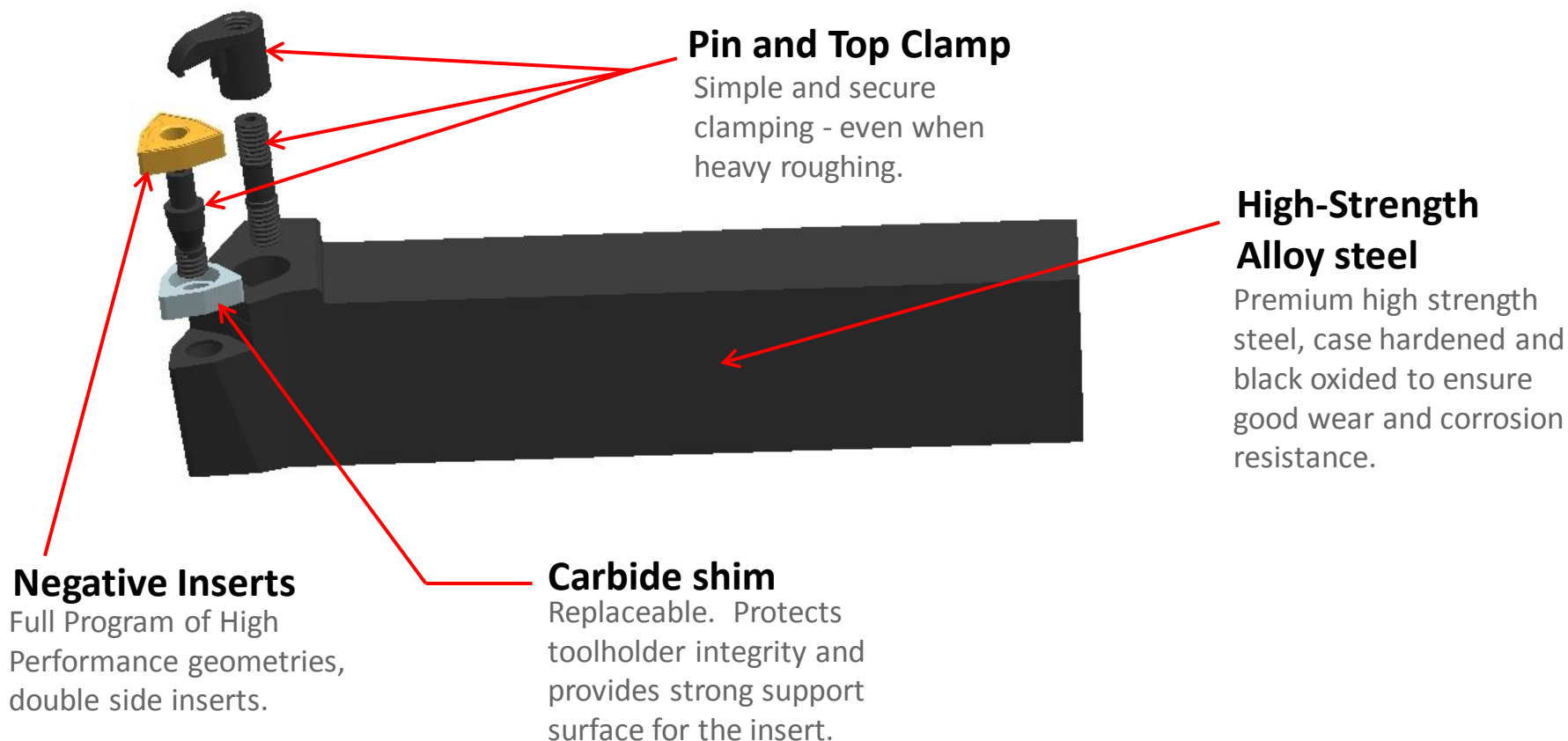
2.2 Positive Rake External Turning Toolholders

Positive inserts, “S” clamping system

2.3 Boring Bars for Internal Machining

Positive inserts, “S” clamping system

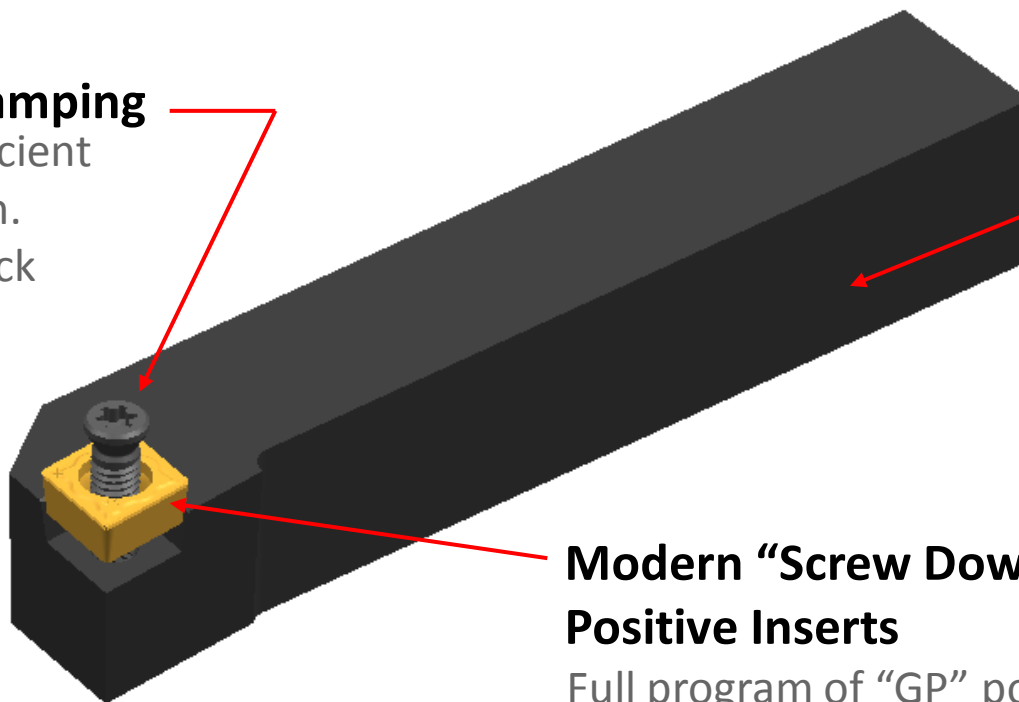
Negative inserts, "M" (Multi-Option) Clamping System



Positive inserts, "S" clamping system

Torx Screw clamping

Secure and efficient insert retention.
Simple and quick indexing.



High-Strength Alloy steel

Premium high strength steel, case hardened and black oxidized to ensure good wear and corrosion resistance.

Modern "Screw Down" Positive Inserts

Full program of "GP" positive turning inserts. Low Cutting Forces and optimized chip control.

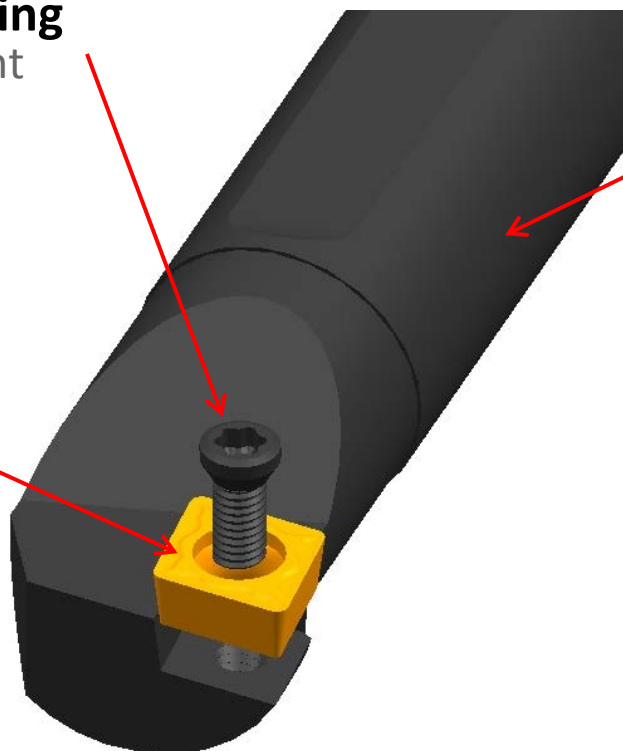
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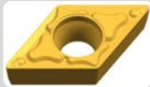
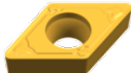


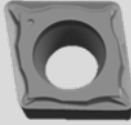
High-Strength Alloy steel

Premium high strength steel, case hardened and black oxidized to ensure good wear and corrosion resistance.



План развития пластин

No.	Chipbreaker	Application	G-PAK				
			16	17	18	19	20
1	MM(Positive) 	Finishing for steel and stainless steel	●				
2	KM(Positive) 	Semi-finishing and roughing for steel and cast iron	●				
3	LM\MM 	Finishing and Semi-Finishing for Stainless Steels		●			
4	PS、GS(Positive) 	Finishing for steels and stainless steel ,suitable for small parts		●			
5	EF 	Semi-finishing and finishing for heat-resistant alloy and titanium alloy		●			

No.	Chipbreaker	Application	G-PAK				
			16	17	18	19	20
6	Round inserts 	Round inserts for the Train wheel hub turning			●		
7	Bar Peeling HH 	Bar Peeling, Railways and Wheel Machining			●		
8	SH(Single Side insert) 	Roughing for Stainless Steels				●	
9	Wiper insert WM 	Wiper insert for Steel and cast iron Semi-Finishing ~ Slight Roughing				●	
10	SR 	Roughing for Stainless Steels				●	
11	ES(Positive) 	Semi-finishing and finishing for Heat-resistant alloy and titanium alloy					●

Благодарим за внимание!

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