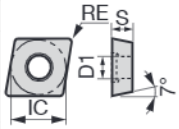
Insert POSITIVE TYPE

● : Continuous cutting
◐ : Light interrupted cutting
✠ : Heavy interrupted cutting

CC

Rhombic, 80°
with hole
Positive 7°

		T9215	T9225	T9115	T9125	T6130	AH725	AH8005	AH8015	GH730	SH725	J740	GT9530	NS9530
P	Steel	●◐	◐✠	●◐	◐✠	✠	◐			◐	●◐	●◐	●◐	●◐
M	Stainless	●◐				◐	◐	●	◐	◐	●◐	●◐		
K	Cast iron	●◐		●◐			◐			◐			●◐	●◐
N	Non-ferrous													
S	Superalloy						●	●	◐					
H	Hard material													

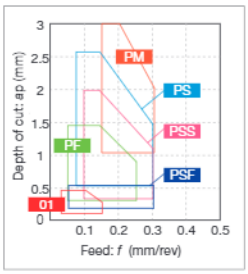


Application	Chipbreaker	Designation	Coated											Coated cermet		Cermet		Dimension (mm)			
			T9215	T9225	T9115	T9125	T6130	AH725	AH8005	AH8015	GH730	SH725	J740	GT9530		NS9530		RE	IC	S	D1
Precision finishing	01	CCGT060202-01											●					0.2	6.35	2.38	2.8
		CCGT09T302-01											●					0.2	9.525	3.97	4.4
Precision finishing (sharp edge)	01	CCGT060202F-01										●						<0.2	6.35	2.38	2.8
		CCGT060204F-01										●						<0.4	6.35	2.38	2.8
		CCGT09T302F-01										●						<0.2	9.525	3.97	4.4
		CCGT09T304F-01										●						<0.4	9.525	3.97	4.4
Finishing	PSF	CCMT060202-PSF						●						●		●		0.2	6.35	2.38	2.8
		CCMT060204-PSF	●	●	▲	▲		●	●	●				●		●		0.4	6.35	2.38	2.8
		CCMT09T302-PSF						●								●		0.2	9.525	3.97	4.4
		CCMT09T304-PSF	●	●	▲	▲		●	●	●				●		●		0.4	9.525	3.97	4.4
		CCMT09T308-PSF	●	●	▲	▲		●						●		●		0.8	9.525	3.97	4.4
	PF	CCMT060202-PF									●			●		●		0.2	6.35	2.38	2.8
		CCMT060204-PF					●				●			●		●		0.4	6.35	2.38	2.8
		CCMT060208-PF												●		●		0.8	6.35	2.38	2.8
		CCMT09T302-PF									●					●		0.2	9.525	3.97	4.4
		CCMT09T304-PF									●			●		●		0.4	9.525	3.97	4.4
		CCMT09T308-PF		●		▲								●		●		0.8	9.525	3.97	4.4

*Corner radius (RE) with a sign of inequality (<) means minus tolerance.

● : Line up
▲ : To be discontinued

Chip control range



Reference pages: External toolholder → C024 - Internal toolholder → D014
J-Series toolholder → G019 - PINZBOHR® → K180 -

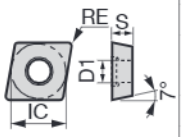
Insert POSITIVE TYPE

● : Continuous cutting
ⓒ : Light interrupted cutting
✠ : Heavy interrupted cutting

CC

Rhombic, 80°
with hole
Positive 7°

		T9215	T9225	T9115	T9125	T6120	T6130	AH630	AH645	AH120	AH725	AH8005	AH8015	GH730	GT9530	AT9530	NS9530
P	Steel	●ⓒ	ⓒ✠	●ⓒ	ⓒ✠	ⓒ	✠	ⓒ✠	✠	●ⓒ	ⓒ			ⓒ	●ⓒ	●ⓒ	●ⓒ
M	Stainless	●ⓒ				●	ⓒ	ⓒ	✠	●ⓒ	ⓒ	●	ⓒ	ⓒ			
K	Cast iron	●ⓒ		●ⓒ						●ⓒ	ⓒ			ⓒ	●ⓒ	●ⓒ	●ⓒ
N	Non-ferrous																
S	Superalloy									●ⓒ	●	●	ⓒ				
H	Hard material																



Application	Chipbreaker	Designation	T9215	T9225	T9115	T9125	T6120	T6130	AH630	AH645	AH120	AH725	AH8005	AH8015	GH730	GT9530	AT9530	NS9530	RE	IC	S	D1
			Coated													Coated cermet		Cermet	Dimension (mm)			
Finishing to light cutting	PSS	CCMT060204-PSS	●	●	▲	▲	●	●	●	●		●	●	●		●		●	0.4	6.35	2.38	2.8
		CCMT060208-PSS	●	●	▲	▲	●	●	●	●		●	●	●		●		●	0.8	6.35	2.38	2.8
		CCMT09T304-PSS	●	●	▲	▲	●	●	●	●		●	●	●		●		●	0.4	9.525	3.97	4.4
		CCMT09T308-PSS	●	●	▲	▲	●	●	●	●		●	●	●		●		●	0.8	9.525	3.97	4.4
		CCMT120404-PSS	●	●	▲	▲	●	●	●	●		●							0.4	12.7	4.76	5.5
		CCMT120408-PSS	●	●	▲	▲	●	●	●	●		●							0.8	12.7	4.76	5.5
		CCMT120412-PSS	●	●	▲	▲	●	●	●	●		●							1.2	12.7	4.76	5.5
Medium cutting (wiper)	SW	CCMT060204-SW	●	●	▲	▲													0.4	6.35	2.38	2.8
		CCMT060208-SW	●	●	▲	▲													0.8	6.35	2.38	2.8
		CCMT09T304-SW	●	●	▲	▲													0.4	9.525	3.97	4.4
		CCMT09T308-SW	●	●	▲	▲													0.8	9.525	3.97	4.4
		*Wiper																				
Finishing to medium cutting	PS	CCMT060202-PS	●	●	▲	▲	●	●	●	●	●	●	●	●	●	●	●	●	0.2	6.35	2.38	2.8
		CCMT060204-PS	●	●	▲	▲	●	●	●	●	●	●	●	●	●	●	●	●	0.4	6.35	2.38	2.8
		CCMT060208-PS	●	●	▲	▲	●	●	●	●	●	●	●	●	●	●	●	●	0.8	6.35	2.38	2.8
		CCMT09T302-PS	●	●	▲	▲	●	●	●	●	●	●	●	●	●	●	●	●	0.2	9.525	3.97	4.4
		CCMT09T304-PS	●	●	▲	▲	●	●	●	●	●	●	●	●	●	●	●	●	0.4	9.525	3.97	4.4
		CCMT09T308-PS	●	●	▲	▲	●	●	●	●	●	●	●	●	●	●	●	●	0.8	9.525	3.97	4.4
		CCMT120404-PS	●	●	▲	▲	●	●	●	●		●	●	●					0.4	12.7	4.76	5.5
		CCMT120408-PS	●	●	▲	▲	●	●	●	●		●	●	●					0.8	12.7	4.76	5.5
		CCMT120412-PS	●	●	▲	▲	●	●	●	●		●							1.2	12.7	4.76	5.5
	TSF	CCMT060204-TSF	●	●															0.4	6.35	2.38	2.8
		CCMT060208-TSF	●	●															0.8	6.35	2.38	2.8
		CCMT09T304-TSF	●	●															0.4	9.525	3.97	4.4
		CCMT09T308-TSF	●	●															0.8	9.525	3.97	4.4
	TM	CCMT060204-TM	●	●															0.4	6.35	2.38	2.8
		CCMT060208-TM	●	●															0.8	6.35	2.38	2.8
		CCMT09T304-TM	●	●															0.4	9.525	3.97	4.4
		CCMT09T308-TM	●	●															0.8	9.525	3.97	4.4

* Please see L032-L036 about the adjustment of the machining program for rounding or taper machining by using SW/FW.
Please contact our sales representatives if you have any question.

● : Line up
▲ : To be discontinued

Reference pages: External toolholder → C024 - Internal toolholder → D014
J-Series toolholder → G019 - PINZBOHR® → K180 -

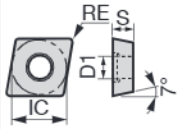
Insert POSITIVE TYPE

● : Continuous cutting
c : Light interrupted cutting
✠ : Heavy interrupted cutting

CC

Rhombic, 80°
with hole
Positive 7°

		T9215	T9225	T9115	T9125	T6130	AH120	SH730	NS9530	TH10
P	Steel	●c	c✠	●c	c✠	✠	●c	●c	●c	●
M	Stainless	●c				c	●c	●c		●
K	Cast iron	●c		●c			●c		●c	●
N	Non-ferrous									●
S	Superalloy						●c	●c		
H	Hard material									

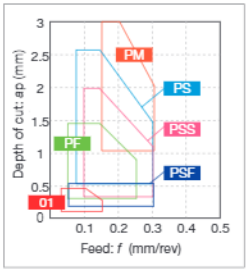


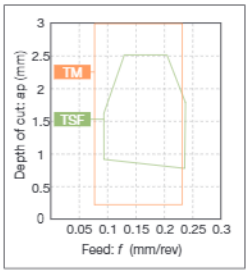
Application	Chipbreaker	Designation	Coated T9215	Coated T9225	Coated T9115	Coated T9125	Coated T6130	Coated AH120	Coated SH730	Cermet NS9530	Uncoated TH10	RE	IC	S	D1
Finishing to medium cutting	23	CCMT060202-23								●		0.2	6.35	2.38	2.8
		CCMT060204-23		●		▲				●		0.4	6.35	2.38	2.8
		CCMT060208-23		●		▲						0.8	6.35	2.38	2.8
		CCMT09T304-23		●		▲				●		0.4	9.525	3.97	4.4
		CCMT09T308-23		●		▲				●		0.8	9.525	3.97	4.4
Medium cutting	24	CCMT060202-24		●		▲				●		0.2	6.35	2.38	2.8
		CCMT060204-24	●	●	▲	▲		●		●		0.4	6.35	2.38	2.8
		CCMT060208-24	●	●	▲	▲	●			●		0.8	6.35	2.38	2.8
		CCMT09T302-24		●		▲				●		0.2	9.525	3.97	4.4
		CCMT09T304-24	●	●	▲	▲				●		0.4	9.525	3.97	4.4
		CCMT09T308-24	●	●	▲	▲	●			●		0.8	9.525	3.97	4.4
		CCMT120408-24	●	●	▲	▲		●		●		0.8	12.7	4.76	5.5
Finishing	W08	CCGT03X100R-W08							●		●	0.03	3.57	1.39	1.9
		CCGT03X100L-W08							●		●	0.03	3.57	1.39	1.9
		CCGT03X101R-W08							●		●	0.1	3.57	1.39	1.9
		CCGT03X101L-W08							●		●	0.1	3.57	1.39	1.9
		CCGT03X102R-W08							●		●	0.2	3.57	1.39	1.9
		CCGT03X102L-W08							●		●	0.2	3.57	1.39	1.9
		CCGT03X104R-W08							●		●	0.4	3.57	1.39	1.9
		CCGT03X104L-W08							●		●	0.4	3.57	1.39	1.9
		CCGT04T100R-W08							●		●	0.03	4.37	1.79	2.2
		CCGT04T100L-W08							●		●	0.03	4.37	1.79	2.2
		CCGT04T101R-W08							●		●	0.1	4.37	1.79	2.2
		CCGT04T101L-W08							●		●	0.1	4.37	1.79	2.2
		CCGT04T102R-W08							●		●	0.2	4.37	1.79	2.2
		CCGT04T102L-W08							●		●	0.2	4.37	1.79	2.2
		CCGT04T104R-W08							●		●	0.4	4.37	1.79	2.2
		CCGT04T104L-W08							●		●	0.4	4.37	1.79	2.2

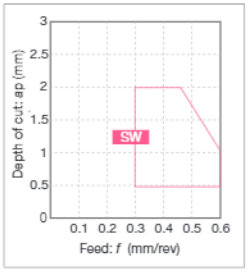
Dimension (mm)

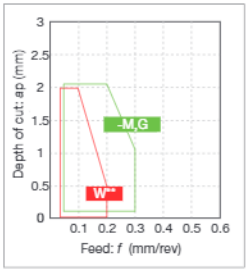
● : Line up
▲ : To be discontinued

Chip control range









*-M,G: Without chipbreaker

Reference pages: External toolholder → C024 - Internal toolholder → D014
J-Series toolholder → G019 - PINZBOHR® → K180 -

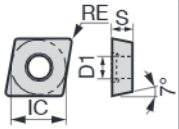
Insert POSITIVE TYPE

● : Continuous cutting
ⓒ : Light interrupted cutting
✠ : Heavy interrupted cutting

CC

Rhombic, 80°
with hole
Positive 7°

		T9215	T9225	T9115	T9125	T6120	T6130	AH630	AH645	T515	T5115	AH120	AH725	GH110	GH330	GH730	SH725	GT9530			NS9530			TH10	UX30
P	Steel	●ⓒ	ⓒ✠	●ⓒ	ⓒ✠	ⓒ	✠	ⓒ✠	✠			●ⓒ	ⓒ	●	●ⓒ	ⓒ	●ⓒ	●ⓒ			●ⓒ			●	ⓒ
M	Stainless	●ⓒ				●	ⓒ	ⓒ	✠			●ⓒ	ⓒ	●	●ⓒ	ⓒ	●ⓒ							●	ⓒ
K	Cast iron	●ⓒ		●ⓒ						●ⓒ	ⓒ	●ⓒ	ⓒ	●	●ⓒ	ⓒ		●ⓒ			●ⓒ			●	
N	Non-ferrous																							●	
S	Superalloy											●ⓒ	●	●											
H	Hard material																								



Application	Chipbreaker	Designation	Coated																Coated cermet			Cermet			Uncoated		Dimension (mm)			
			T9215	T9225	T9115	T9125	T6120	T6130	AH630	AH645	T515	T5115	AH120	AH725	GH110	GH330	GH730	SH725	GT9530			NS9530			TH10	UX30	RE	IC	S	D1
Finishing (sharp edge)	W08	CCGT03X100FL-W08																●									0.03	3.57	1.39	1.9
		CCGT03X100FR-W08																●									0.03	3.57	1.39	1.9
		CCGT03X101FL-W08																●									0.1	3.57	1.39	1.9
		CCGT03X101FR-W08																●									0.1	3.57	1.39	1.9
		CCGT03X102FL-W08																●									0.2	3.57	1.39	1.9
		CCGT03X102FR-W08																●									0.2	3.57	1.39	1.9
		CCGT03X104FL-W08																●									0.4	3.57	1.39	1.9
		CCGT03X104FR-W08																●									0.4	3.57	1.39	1.9
		CCGT04T100FL-W08																●									0.03	4.37	1.79	2.2
		CCGT04T100FR-W08																●									0.03	4.37	1.79	2.2
		CCGT04T101FL-W08																●									0.1	4.37	1.79	2.2
		CCGT04T101FR-W08																●									0.1	4.37	1.79	2.2
		CCGT04T102FL-W08																●									0.2	4.37	1.79	2.2
		CCGT04T102FR-W08																●									0.2	4.37	1.79	2.2
		CCGT04T104FL-W08																●									0.4	4.37	1.79	2.2
		CCGT04T104FR-W08																●									0.4	4.37	1.79	2.2
Finishing	W15	CCGT060200R-W15																							●		0.03	6.35	2.38	2.8
		CCGT060200L-W15																				●			●		0.03	6.35	2.38	2.8
		CCGT060202R-W15																				●			●		0.2	6.35	2.38	2.8
		CCGT060202L-W15																	●			●			●		0.2	6.35	2.38	2.8
		CCGT060204R-W15														●						●			●		0.4	6.35	2.38	2.8
		CCGT060204L-W15													●	●			●			●			●	●	0.4	6.35	2.38	2.8
	W20	CCGT09T302R-W20																				●			●		0.2	9.525	3.97	4.4
		CCGT09T302L-W20																	●			●			●		0.2	9.525	3.97	4.4
		CCGT09T304R-W20																				●					0.4	9.525	3.97	4.4
		CCGT09T304L-W20													●	●			●			●			●		0.4	9.525	3.97	4.4
		CCGT09T308R-W20																				●					0.8	9.525	3.97	4.4
		CCGT09T308L-W20																	●			●					0.8	9.525	3.97	4.4
Medium cutting	PM	CCMT060204-PM	●	●	▲	▲	●	●	●	●			●	●			●		●			●					0.4	6.35	2.38	2.8
		CCMT060208-PM	●	●	▲	▲	●	●	●	●			●	●			●		●			●					0.8	6.35	2.38	2.8
		CCMT09T304-PM	●	●	▲	▲	●	●	●	●			●	●			●		●			●					0.4	9.525	3.97	4.4
		CCMT09T308-PM	●	●	▲	▲	●	●	●	●			●	●			●		●			●					0.8	9.525	3.97	4.4
		CCMT09T312-PM	●	●	▲	▲	●	●	●	●				●													1.2	9.525	3.97	4.4
		CCMT120408-PM					●	●	●	●				●													0.8	12.7	4.76	5.5
		CCMT120412-PM					●	●	●	●				●													1.2	12.7	4.76	5.5
Finishing to medium cutting	CM	CCMT060204-CM									●	●															0.4	6.35	2.38	2.8
		CCMT060208-CM									●	●															0.8	6.35	2.38	2.8
		CCMT09T304-CM									●	●															0.4	9.525	3.97	4.4
		CCMT09T308-CM									●	●															0.8	9.525	3.97	4.4
		CCMT09T312-CM										●															1.2	9.525	3.97	4.4
		CCMT120404-CM										●															0.4	12.7	4.76	5.5
		CCMT120408-CM										●															0.8	12.7	4.76	5.5

● : Line up
▲ : To be discontinued

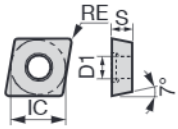
Reference pages: External toolholder → C024 - Internal toolholder → D016 -
J-Series toolholder → G019 - PINZBOHR® → K180 -

● : Continuous cutting
ⓒ : Light interrupted cutting
✠ : Heavy interrupted cutting

CC

Rhombic, 80°
with hole
Positive 7°

		T5115	GH110	NS9530	TH10	KS05F
		Coated		Cermet	Uncoated	
P	Steel		●	●ⓒ	●	
M	Stainless		●		●	
K	Cast iron	ⓒ	●	●ⓒ	●	●
N	Non-ferrous				●	●
S	Superalloy		●			●
H	Hard material					

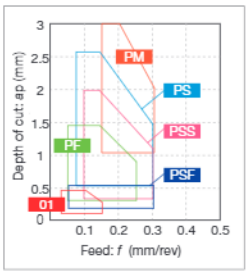


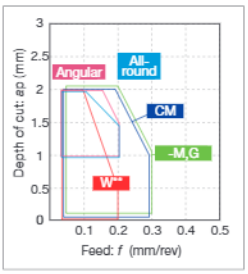
Application	Chipbreaker	Designation	T5115	GH110	NS9530	TH10	KS05F	RE	IC	S	D1
Finishing to medium cutting	AL	CCGT060202-AL					●	0.2	6.35	2.38	2.8
		CCGT060204-AL					●	0.4	6.35	2.38	2.8
		CCGT09T302-AL					●	0.2	9.525	3.97	4.4
		CCGT09T304-AL					●	0.4	9.525	3.97	4.4
		CCGT09T308-AL					●	0.8	9.525	3.97	4.4
		CCGT120402-AL					●	0.2	12.7	4.76	5.5
		CCGT120404-AL					●	0.4	12.7	4.76	5.5
		CCGT120408-AL					●	0.8	12.7	4.76	5.5
	All-round	CCGT060202			●			0.2	6.35	2.38	2.8
		CCGT060204			●			0.4	6.35	2.38	2.8
		CCGT09T302			●			0.2	9.525	3.97	4.4
		CCGT09T304			●			0.4	9.525	3.97	4.4
		CCGT09T308			●			0.8	9.525	3.97	4.4
	Angular	CCGT060200R				●		0.03	6.35	2.38	2.8
		CCGT060202R				●		0.2	6.35	2.38	2.8
		CCGT060202L				●		0.2	6.35	2.38	2.8
		CCGT060204L				●		0.4	6.35	2.38	2.8
		CCGT09T302R				●		0.2	9.525	3.97	4.4
		CCGT09T302L				●		0.2	9.525	3.97	4.4
		CCGT09T304R				●		0.4	9.525	3.97	4.4
		CCGT09T304L				●		0.4	9.525	3.97	4.4
	-	CCMW060204	●					0.4	6.35	2.38	2.8
		CCMW060208	●					0.8	6.35	2.38	2.8
		CCMW09T304	●					0.4	9.525	3.97	4.4
		CCMW09T308	●					0.8	9.525	3.97	4.4
	-	CCGW060202				●		0.2	6.35	2.38	2.8
		CCGW060204				●		0.4	6.35	2.38	2.8
		CCGW09T304		●		●		0.4	9.525	3.97	4.4

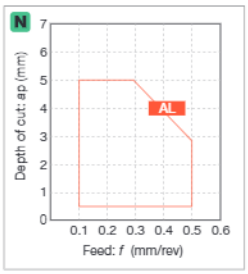
Dimension (mm)

● : Line up

Chip control range







*-M,G: Without chipbreaker

Reference pages: External toolholder → C024 - Internal toolholder → D016 -
J-Series toolholder → G019 - PINZBOHR® → K180 -

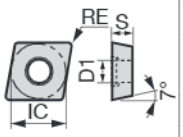
Insert POSITIVE TYPE

● : Continuous cutting
ⓒ : Light interrupted cutting
✠ : Heavy interrupted cutting

CC

Rhombic, 80°
with hole
Positive 7°

P	Steel	ⓒ	●ⓒ	●ⓒ
M	Stainless	ⓒ	●ⓒ	●ⓒ
K	Cast iron	ⓒ		
N	Non-ferrous			
S	Superalloy	●		●ⓒ
H	Hard material			



Application	Chipbreaker	Designation	Coated AH725	Coated SH725	Coated SH730	Dimension (mm) RE	IC	S	D1
For internal turning on Swiss lathes	JS	CCGT03X101-JS			●	<0.1	3.57	1.39	1.9
		CCGT03X102-JS			●	<0.2	3.57	1.39	1.9
		CCGT03X104-JS			●	<0.4	3.57	1.39	1.9
		CCGT04T101-JS			●	<0.1	4.37	1.79	2.2
		CCGT04T102-JS			●	<0.2	4.37	1.79	2.2
		CCGT04T104-JS			●	<0.4	4.37	1.79	2.2
For internal turning on Swiss lathes (sharp edge)	JS	CCGT03X101F-JS		●		<0.1	3.57	1.39	1.9
		CCGT03X102F-JS		●		<0.2	3.57	1.39	1.9
		CCGT03X104F-JS		●		<0.4	3.57	1.39	1.9
		CCGT04T101F-JS		●		<0.1	4.37	1.79	2.2
		CCGT04T102F-JS		●		<0.2	4.37	1.79	2.2
		CCGT04T104F-JS		●		<0.4	4.37	1.79	2.2
For external turning on Swiss lathes	JS	CCGT060201N-JS	●			0.1	6.35	2.38	2.8
		CCGT060202N-JS	●			0.2	6.35	2.38	2.8
		CCGT060204N-JS	●			0.4	6.35	2.38	2.8
		CCGT09T301N-JS	●			0.1	9.525	3.97	4.4
		CCGT09T302N-JS	●			0.2	9.525	3.97	4.4
		CCGT09T304N-JS	●			0.4	9.525	3.97	4.4
For external turning on Swiss lathes (sharp edge)	JS	CCGT060200FN-JS		●	●	0.03	6.35	2.38	2.8
		CCGT060201FN-JS		●	●	<0.1	6.35	2.38	2.8
		CCGT060202FN-JS		●	●	<0.2	6.35	2.38	2.8
		CCGT060204FN-JS		●	●	<0.4	6.35	2.38	2.8
		CCGT09T300FN-JS		●	●	0.03	9.525	3.97	4.4
		CCGT09T301FN-JS		●	●	<0.1	9.525	3.97	4.4
		CCGT09T302FN-JS		●	●	<0.2	9.525	3.97	4.4
		CCGT09T304FN-JS		●	●	<0.4	9.525	3.97	4.4

*Corner radius (RE) with a sign of inequality (<) means minus tolerance.

● : Line up

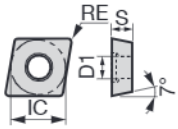
Reference pages: External toolholder → C024 - Internal toolholder → D016 -
J-Series toolholder → G019 - PINZBOHR® → K180 -

● : Continuous cutting
◐ : Light interrupted cutting
✠ : Heavy interrupted cutting

CC

Rhombic, 80° with hole Positive 7°

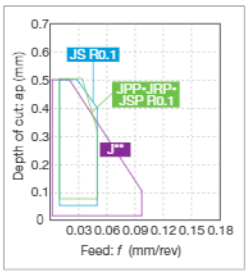
		SH725	J740	NS9530	TH10
P	Steel	◐	◐	◐	●
M	Stainless	◐	◐		●
K	Cast iron			◐	●
N	Non-ferrous				●
S	Superalloy				
H	Hard material				



Application	Chipbreaker	Designation	Coated SH725	Coated J740	Cermet NS9530	Uncoated TH10	Dimension (mm) RE	IC	S	D1
For external turning on Swiss lathes (sharp edge)	J10	CCGT060200FR-J10	●	●		●	0.03	6.35	2.38	2.8
		CCGT060200FL-J10	●	●		●	0.03	6.35	2.38	2.8
		CCGT060201FR-J10	●	●	●	●	0.1	6.35	2.38	2.8
		CCGT060201FL-J10	●	●		●	0.1	6.35	2.38	2.8
		CCGT060202FR-J10	●	●	●	●	0.2	6.35	2.38	2.8
		CCGT060202FL-J10	●	●	●	●	0.2	6.35	2.38	2.8
		CCGT09T300FR-J10	●	●		●	0.03	9.525	3.97	4.4
		CCGT09T300FL-J10	●	●		●	0.03	9.525	3.97	4.4
		CCGT09T301FR-J10	●	●		●	0.1	9.525	3.97	4.4
		CCGT09T301FL-J10	●	●		●	0.1	9.525	3.97	4.4
		CCGT09T302FR-J10	●	●		●	0.2	9.525	3.97	4.4
		CCGT09T302FL-J10	●	●		●	0.2	9.525	3.97	4.4
		CCGT09T304FR-J10	●				0.4	9.525	3.97	4.4

● : Line up

Chip control range



*Chip control range with typical R0.1

Reference pages: External toolholder → C024 - Internal toolholder → D016 -
J-Series toolholder → G019 - PINZBOHR® → K180 -

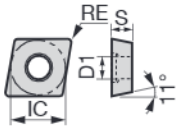
Insert POSITIVE TYPE

● : Continuous cutting
ⓒ : Light interrupted cutting
✠ : Heavy interrupted cutting

CP

Rhombic, 80°
with hole
Positive 11°

		T9205	T9215	T9225	T9235	T9115	T9125	T6120	T6130	AH630	AH645	AH120	AH725	AH8005	AH8015	GH730	GT9530	AT9530	NS9530
P	Steel	●	●ⓒ	ⓒ✠	✠	●ⓒ	ⓒ✠	ⓒ	✠	ⓒ✠	✠	●ⓒ	ⓒ			ⓒ	●ⓒ	●ⓒ	●ⓒ
M	Stainless		●ⓒ					●	ⓒ	ⓒ	✠	●ⓒ	ⓒ	●	ⓒ	ⓒ			
K	Cast iron	●ⓒ	●ⓒ			●ⓒ						●ⓒ	ⓒ			ⓒ	●ⓒ	●ⓒ	●ⓒ
N	Non-ferrous																		
S	Superalloy											●ⓒ	●	●	ⓒ				
H	Hard material																		



Application	Chipbreaker	Designation	T9205	T9215	T9225	T9235	T9115	T9125	T6120	T6130	AH630	AH645	AH120	AH725	AH8005	AH8015	GH730	GT9530	AT9530	NS9530	RE	IC	S	D1
			Coated															Coated cermet		Cermet	Dimension (mm)			
Finishing	PSF	CPMT060202-PSF												●							0.2	6.35	2.38	2.8
		CPMT060204-PSF		●	●		▲	▲						●							0.4	6.35	2.38	2.8
		CPMT080202-PSF												●							0.2	7.94	2.38	3.4
		CPMT080204-PSF		●	●		▲	▲						●							0.4	7.94	2.38	3.4
		CPMT090302-PSF												●				●		●	0.2	9.525	3.18	4.4
		CPMT090304-PSF		●	●		▲	▲						●				●		●	0.4	9.525	3.18	4.4
		CPMT09T302-PSF												●							0.2	9.525	3.97	4.4
		CPMT09T304-PSF		●	●		▲	▲						●							0.4	9.525	3.97	4.4
	PF	CPMT090302-PF																●		●	0.2	9.525	3.18	4.4
		CPMT090304-PF																●		●	0.4	9.525	3.18	4.4
Finishing to light cutting	PSS	CPMT060204-PSS		●	●		▲	▲						●				●		●	0.4	6.35	2.38	2.8
		CPMT080204-PSS		●	●		▲	▲	●	●	●	●		●				●		●	0.4	7.94	2.38	3.4
		CPMT080208-PSS		●	●		▲	▲	●	●	●	●		●				●		●	0.8	7.94	2.38	3.4
		CPMT090304-PSS		●	●		▲	▲	●	●	●	●		●				●		●	0.4	9.525	3.18	4.4
		CPMT090308-PSS		●	●		▲	▲	●	●	●	●		●				●		●	0.8	9.525	3.18	4.4
		CPMT09T304-PSS		●	●		▲	▲						●							0.4	9.525	3.97	4.4
		CPMT09T308-PSS		●	●		▲	▲						●							0.8	9.525	3.97	4.4
Finishing to medium cutting	PS	CPMT060202-PS		●	●		▲	▲						●	●	●	●			●	0.2	6.35	2.38	2.8
		CPMT060204-PS		●	●		▲	▲					●	●	●	●	●	●	●	●	0.4	6.35	2.38	2.8
		CPMT080202-PS		●	●		▲	▲	●	●	●	●		●				●	●	●	0.2	7.94	2.38	3.4
		CPMT080204-PS		●	●		▲	▲	●	●	●	●		●				●	●	●	0.4	7.94	2.38	3.4
		CPMT080208-PS		●	●		▲	▲	●	●	●	●		●				●	●	●	0.8	7.94	2.38	3.4
		CPMT090304-PS		●	●		▲	▲	●	●	●	●		●				●	●	●	0.4	9.525	3.18	4.4
		CPMT090308-PS		●	●		▲	▲	●	●	●	●		●				●	●	●	0.8	9.525	3.18	4.4
		CPMT09T302-PS		●	●		▲	▲						●	●	●					0.2	9.525	3.97	4.4
		CPMT09T304-PS		●	●		▲	▲						●	●	●				●	0.4	9.525	3.97	4.4
		CPMT09T308-PS		●	●		▲	▲					●	●	●	●					0.8	9.525	3.97	4.4
	TSF	CPMT09T304-TSF		●	●																0.4	9.525	3.97	4.4
		CPMT09T308-TSF		●	●																0.8	9.525	3.97	4.4
	TM	CPMT09T304-TM		●	●																0.4	9.525	3.97	4.4
		CPMT09T308-TM		●	●																0.8	9.525	3.97	4.4

● : Line up
▲ : To be discontinued

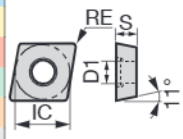
Reference pages: Internal toolholder → D019 -

● : Continuous cutting
◐ : Light interrupted cutting
✠ : Heavy interrupted cutting

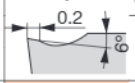
CP

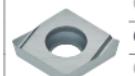
Rhombic, 80° with hole Positive 11°

		T9215	T9225	T9115	T9125	NS9530	TH10
P	Steel	●◐	◐✠	●◐	◐✠	●◐	●
M	Stainless	●◐					●
K	Cast iron	●◐		●◐		●◐	●
N	Non-ferrous						●
S	Superalloy						
H	Hard material						



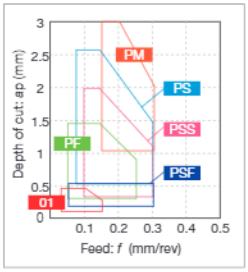
Application	Chipbreaker	Designation	Coated T9215	Coated T9225	Coated T9115	Coated T9125	Cermet NS9530	Uncoated TH10	RE	IC	S	D1
Medium cutting	24	CPMT080204-24	●		▲	▲			0.4	7.94	2.38	3.4
		CPMT120408-24		●			●		0.8	12.7	4.76	5.5
		CPMT160508-24		●		▲	●		0.8	15.875	5.56	5.5
		CPMT160512-24		●			●		1.2	15.875	5.56	5.5
Finishing	W15	CPGT050202L-W15					●		0.2	5.56	2.35	2.5
		CPGT050204L-W15					●		0.4	5.56	2.35	2.5
		CPGT080202R-W15						●	0.2	7.94	2.38	3.4
		CPGT080202L-W15					●	●	0.2	7.94	2.38	3.4
		CPGT080204R-W15						●	0.4	7.94	2.38	3.4
		CPGT080204L-W15					●	●	0.4	7.94	2.38	3.4
	W20	CPGT090302R-W20					●	●	0.2	9.525	3.18	4.4
		CPGT090302L-W20					●	●	0.2	9.525	3.18	4.4
		CPGT090304R-W20					●	●	0.4	9.525	3.18	4.4
		CPGT090304L-W20					●	●	0.4	9.525	3.18	4.4

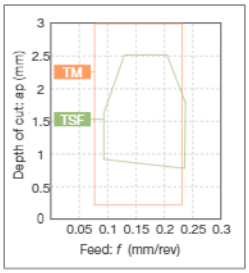


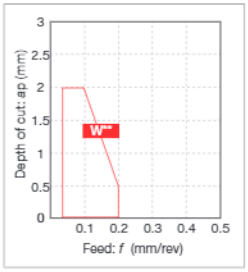


● : Line up
▲ : To be discontinued

Chip control range







Reference pages: Internal toolholder → D019 - Cartridge → K194 -
Boring bar tool → K209 -

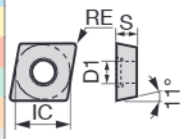
Insert POSITIVE TYPE

● : Continuous cutting
ⓒ : Light interrupted cutting
✠ : Heavy interrupted cutting

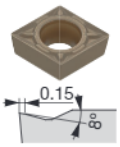
CP

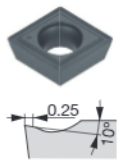
Rhombic, 80°
with hole
Positive 11°

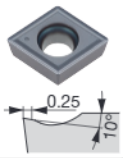
		T9225	T9105	T9125	T6120	T6130	AH630	AH645	T515	T5115	AH725	AH8005	AH8015	AH905	NS9530
P	Steel	ⓒ✠	●	ⓒ✠	ⓒ	✠	ⓒ✠	✠			ⓒ				●ⓒ
M	Stainless				●	ⓒ	ⓒ	✠			ⓒ	●	ⓒ		
K	Cast iron		●ⓒ						●ⓒ	ⓒ	ⓒ				●ⓒ
N	Non-ferrous														
S	Superalloy										●	●	ⓒ	ⓒ	
H	Hard material														

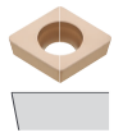


Application	Chipbreaker	Designation	Coated													Cermet	Dimension (mm) RE	IC	S	D1
Medium cutting	PM	CPMT060204-PM				●	●	●	●			●						6.35	2.38	2.8
		CPMT060208-PM	●		▲	●	●	●	●			●					0.8	6.35	2.38	2.8
		CPMT090304-PM	●		▲	●	●	●	●			●				●	0.4	9.525	3.18	4.4
		CPMT090308-PM	●		▲	●	●	●	●			●				●	0.8	9.525	3.18	4.4
Finishing to medium cutting	CM	CPMT060204-CM									●						0.4	6.35	2.38	2.8
		CPMT060208-CM									●						0.8	6.35	2.38	2.8
		CPMT080204-CM									●						0.4	7.94	2.38	3.4
		CPMT080208-CM									●						0.8	7.94	2.38	3.4
		CPMT090304-CM								●	●						0.4	9.525	3.18	4.4
		CPMT090308-CM								●	●						0.8	9.525	3.18	4.4
		CPMT09T304-CM								●	●						0.4	9.525	3.97	4.4
		CPMT09T308-CM								●	●						0.8	9.525	3.97	4.4
		CPMT09T312-CM									●						1.2	9.525	3.97	4.4
		CPMT120408-CM									●						0.8	12.7	4.76	5.5
		CPMT120412-CM									●						1.2	12.7	4.76	5.5
Medium cutting	All-round	CPMT120408										●	●	●			0.8	12.7	4.76	5.5
	-	CPMW080204									●						0.4	7.94	2.38	3.4
		CPMW080208									●						0.8	7.94	2.38	3.4
		CPMW090304		▲							●						0.4	9.525	3.18	4.4
		CPMW090308									●						0.8	9.525	3.18	4.4









● : Line up
▲ : To be discontinued

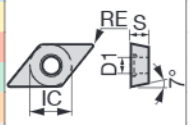
Reference pages: Internal toolholder → D019 - Boring bar tool → K209 -

● : Continuous cutting
ⓒ : Light interrupted cutting
✠ : Heavy interrupted cutting

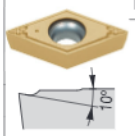
DC

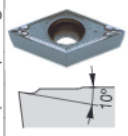
Rhombic, 55°
with hole
Positive 7°

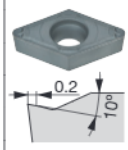
		T9215	T9225	T9115	T9125	AH725	AH8005	AH8015	AH905	GH730	SH725	J740	GT9530	J9530	NS9530
P	Steel	●ⓒ	ⓒ✠	●ⓒ	ⓒ✠	ⓒ				ⓒ	●ⓒ	●ⓒ	●ⓒ	●ⓒ	●ⓒ
M	Stainless	●ⓒ				ⓒ	●	ⓒ		ⓒ	●ⓒ	●ⓒ			
K	Cast iron	●ⓒ		●ⓒ		ⓒ				ⓒ			●ⓒ	●ⓒ	●ⓒ
N	Non-ferrous														
S	Superalloy					●	●	ⓒ	ⓒ						
H	Hard material														



Application	Chipbreaker	Designation	RE	IC	S	D1
Precision finishing	01	DCGT070202-01	0.2	6.35	2.38	2.8
		DCGT11T302-01	0.2	9.525	3.97	4.4
Precision finishing (sharp edge)	01	DCGT070202F-01	<0.2	6.35	2.38	2.8
		DCGT070204F-01	<0.4	6.35	2.38	2.8
		DCGT11T302F-01	<0.2	9.525	3.97	4.4
		DCGT11T304F-01	<0.4	9.525	3.97	4.4
Finishing	PSF	DCMT070202-PSF	0.2	6.35	2.38	2.8
		DCMT070204-PSF	0.4	6.35	2.38	2.8
		DCMT11T302-PSF	0.2	9.525	3.97	4.4
		DCMT11T304-PSF	0.4	9.525	3.97	4.4
		DCMT11T308-PSF	0.8	9.525	3.97	4.4
	PF	DCMT070202-PF	0.2	6.35	2.38	2.8
		DCMT070204-PF	0.4	6.35	2.38	2.8
		DCMT070208-PF	0.8	6.35	2.38	2.8
		DCMT11T302-PF	0.2	9.525	3.97	4.4
		DCMT11T304-PF	0.4	9.525	3.97	4.4
		DCMT11T308-PF	0.8	9.525	3.97	4.4



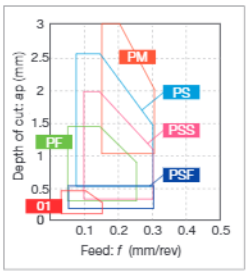


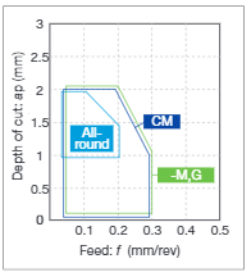


*Corner radius (RE) with a sign of inequality (<) means minus tolerance.

● : Line up
▲ : To be discontinued

Chip control range





*-M,G: Without chipbreaker

Reference pages: External toolholder → C048 - Internal toolholder → D048 -
J-Series toolholder → G026 - PINZBOHR® → K184 -

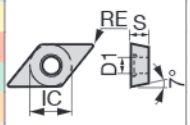
Insert POSITIVE TYPE

● : Continuous cutting
ⓒ : Light interrupted cutting
✠ : Heavy interrupted cutting

DC

Rhombic, 55°
with hole
Positive 7°

		T9215	T9225	T9115	T9125	T6120	T6130	AH630	AH645	AH120	AH725	AH8005	AH8015	AH905	GH730	GT9530	AT9530	NS9530
P	Steel	●ⓒ	ⓒ✠	●ⓒ	ⓒ✠	ⓒ	✠	ⓒ✠	✠	●ⓒ	ⓒ				ⓒ	●ⓒ	●ⓒ	●ⓒ
M	Stainless	●ⓒ				●	ⓒ	ⓒ	✠	●ⓒ	ⓒ	●	ⓒ		ⓒ			
K	Cast iron	●ⓒ		●ⓒ						●ⓒ	ⓒ				ⓒ	●ⓒ	●ⓒ	●ⓒ
N	Non-ferrous																	
S	Superalloy									●ⓒ	●	●	ⓒ	ⓒ				
H	Hard material																	



Application	Chipbreaker	Designation	Coated														Coated cermet			Cermet				Dimension (mm)			
			T9215	T9225	T9115	T9125	T6120	T6130	AH630	AH645	AH120	AH725	AH8005	AH8015	AH905	GH730	GT9530	AT9530		NS9530				RE	IC	S	D1
Finishing to light cutting	PSS	DCMT070204-PSS	●	●	▲	▲	●	●	●	●		●					●			●				0.4	6.35	2.38	2.8
		DCMT070208-PSS	●	●	▲	▲	●	●	●	●		●					●			●				0.8	6.35	2.38	2.8
		DCMT11T304-PSS	●	●	▲	▲	●	●	●	●		●	●	●	●		●			●				0.4	9.525	3.97	4.4
		DCMT11T308-PSS	●	●	▲	▲	●	●	●	●		●	●	●	●		●			●				0.8	9.525	3.97	4.4
		DCMT11T312-PSS	●	●	▲	▲	●	●	●	●		●	●	●	●									1.2	9.525	3.97	4.4
Finishing to medium cutting	PS	DCMT070202-PS	●	●	▲	▲	●	●	●	●	●	●	●	●		●	●	●		●				0.2	6.35	2.38	2.8
		DCMT070204-PS	●	●	▲	▲	●	●	●	●	●	●	●	●		●	●	●		●				0.4	6.35	2.38	2.8
		DCMT070208-PS	●	●	▲	▲						●	●	●		●	●	●		●				0.8	6.35	2.38	2.8
		DCMT11T302-PS	●	●	▲	▲	●	●	●	●	●	●	●	●		●	●	●		●				0.2	9.525	3.97	4.4
		DCMT11T304-PS	●	●	▲	▲	●	●	●	●	●	●	●	●	●	●	●	●		●				0.4	9.525	3.97	4.4
		DCMT11T308-PS	●	●	▲	▲	●	●	●	●	●	●	●	●	●	●	●	●		●				0.8	9.525	3.97	4.4
		DCMT11T312-PS	●	●	▲	▲	●	●	●	●		●	●	●	●									1.2	9.525	3.97	4.4
	TSF	DCMT070202-TSF	●	●																				0.2	6.35	2.38	2.8
		DCMT070204-TSF	●	●																				0.4	6.35	2.38	2.8
		DCMT070208-TSF	●	●																				0.8	6.35	2.38	2.8
		DCMT11T304-TSF	●	●																				0.4	9.525	3.97	4.4
		DCMT11T308-TSF	●	●																				0.8	9.525	3.97	4.4
	TM	DCMT070202-TM	●	●																				0.2	6.35	2.38	2.8
		DCMT070204-TM	●	●																				0.4	6.35	2.38	2.8
		DCMT070208-TM	●	●																				0.8	6.35	2.38	2.8
		DCMT11T304-TM	●	●																				0.4	9.525	3.97	4.4
		DCMT11T308-TM	●	●																				0.8	9.525	3.97	4.4
	23	DCMT070204-23																		●				0.4	6.35	2.38	2.8
		DCMT11T304-23																		●				0.4	9.525	3.97	4.4
		DCMT11T308-23																		●				0.8	9.525	3.97	4.4
Medium cutting	24	DCMT070202-24		●																●				0.2	6.35	2.38	2.8
		DCMT070204-24	●	●	▲	▲														●				0.4	6.35	2.38	2.8
		DCMT070208-24		●		▲														●				0.8	6.35	2.38	2.8
		DCMT11T302-24		●		▲														●				0.2	9.525	3.97	4.4
		DCMT11T304-24	●	●	▲	▲														●				0.4	9.525	3.97	4.4
		DCMT11T308-24	●	●	▲	▲		●												●				0.8	9.525	3.97	4.4

● : Line up
▲ : To be discontinued

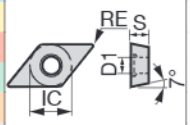
Reference pages: External toolholder → C048 - Internal toolholder → D048 -
J-Series toolholder → G026 - PINZBOHR® → K184 -

● : Continuous cutting
c : Light interrupted cutting
✠ : Heavy interrupted cutting

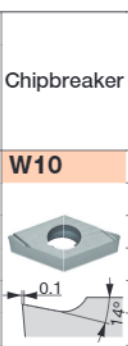
DC

Rhombic, 55°
with hole
Positive 7°

		T9215	T9225	T9115	T9125	T6120	T6130	AH630	AH645	T515	T5115	AH120	AH725	GH330	GH730	GT9530	NS9530	TH10
P	Steel	●c	c✠	●c	c✠	c	✠	c✠	✠			●c	c	●c	c	●c	●c	●
M	Stainless	●c				●	c	c	✠			●c	c	●c	c			●
K	Cast iron	●c		●c						●c	c	●c	c	●c	c	●c	●c	●
N	Non-ferrous																	●
S	Superalloy											●c	●					
H	Hard material																	

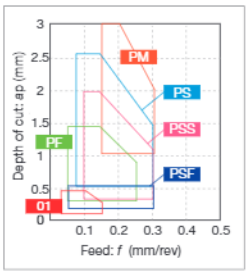


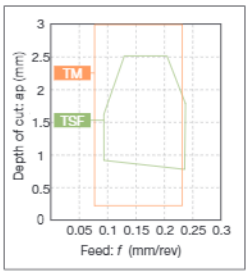
Application	Chipbreaker	Designation	T9215	T9225	T9115	T9125	T6120	T6130	AH630	AH645	T515	T5115	AH120	AH725	GH330	GH730	GT9530	NS9530	TH10	RE	IC	S	D1
			Coated														Coated cermet	Cermet	Uncoated	Dimension (mm)			
Finishing	W10	DCGT070200R-W10																	●	0.03	6.35	2.38	2.8
		DCGT070200L-W10																	●	0.03	6.35	2.38	2.8
		DCGT070202R-W10																●	●	0.2	6.35	2.38	2.8
		DCGT070202L-W10															●	●		0.2	6.35	2.38	2.8
		DCGT070204R-W10													●			●	●	0.4	6.35	2.38	2.8
		DCGT070204L-W10													●		●	●	●	0.4	6.35	2.38	2.8
	W15	DCGT11T302R-W15																●	●	0.2	9.525	3.97	4.4
		DCGT11T302L-W15															●	●		0.2	9.525	3.97	4.4
		DCGT11T304R-W15																●		0.4	9.525	3.97	4.4
		DCGT11T304L-W15													●		●	●	●	0.4	9.525	3.97	4.4
		DCGT11T308R-W15																●	●	0.8	9.525	3.97	4.4
		DCGT11T308L-W15																●	●	0.8	9.525	3.97	4.4
Medium cutting	PM	DCMT070204-PM	●	●	▲	▲	●	●	●	●			●	●		●	●	●		0.4	6.35	2.38	2.8
		DCMT070208-PM	●	●	▲	▲	●	●	●	●			●	●		●	●	●		0.8	6.35	2.38	2.8
		DCMT11T304-PM	●	●	▲	▲	●	●	●	●			●	●		●	●	●		0.4	9.525	3.97	4.4
		DCMT11T308-PM	●	●	▲	▲	●	●	●	●			●	●		●	●	●		0.8	9.525	3.97	4.4
		DCMT11T312-PM		●		▲	●	●	●	●				●						1.2	9.525	3.97	4.4
Finishing to medium cutting	CM	DCMT070204-CM										●								0.4	6.35	2.38	2.8
		DCMT070208-CM										●								0.8	6.35	2.38	2.8
		DCMT11T304-CM									●	●								0.4	9.525	3.97	4.4
		DCMT11T308-CM									●	●								0.8	9.525	3.97	4.4
		DCMT11T312-CM										●								1.2	9.525	3.97	4.4

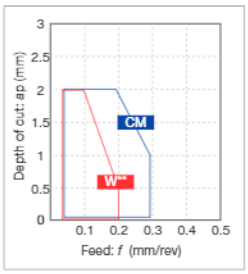


● : Line up
▲ : To be discontinued

Chip control range







Reference pages: External toolholder → C048 - Internal toolholder → D048 -
J-Series toolholder → G026 - PINZBOHR® → K184 -

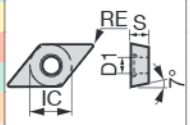
Insert POSITIVE TYPE

● : Continuous cutting
◐ : Light interrupted cutting
✠ : Heavy interrupted cutting

DC

Rhombic, 55° with hole
Positive 7°

		Coated						Cermet				Uncoated												
		T9105	T5115	GH110				NS9530				TH10	KS05F											
P	Steel	●		●				●◐				●												
M	Stainless			●								●												
K	Cast iron	●◐	◐	●				●◐				●	●											
N	Non-ferrous											●	●											
S	Superalloy			●									●											
H	Hard material																							



Application	Chipbreaker	Designation	T9105	T5115	GH110	NS9530	TH10	KS05F	RE	IC	S	D1
Finishing to medium cutting	AL	DCGT070202-AL						●	0.2	6.35	2.38	2.8
		DCGT070204-AL						●	0.4	6.35	2.38	2.8
		DCGT11T302-AL						●	0.2	9.525	3.97	4.4
		DCGT11T304-AL						●	0.4	9.525	3.97	4.4
		DCGT11T308-AL						●	0.8	9.525	3.97	4.4
	All-round	DCGT070202				●			0.2	6.35	2.38	2.8
		DCGT070204				●			0.4	6.35	2.38	2.8
		DCGT11T302				●			0.2	9.525	3.97	4.4
		DCGT11T304				●			0.4	9.525	3.97	4.4
		DCGT11T308				●			0.8	9.525	3.97	4.4
	Angular	DCGT070202R					●		0.2	6.35	2.38	2.8
		DCGT070202L					●		0.2	6.35	2.38	2.8
		DCGT070204R					●		0.4	6.35	2.38	2.8
		DCGT070204L					●		0.4	6.35	2.38	2.8
		DCGT11T302R					●		0.2	9.525	3.97	4.4
		DCGT11T302L					●		0.2	9.525	3.97	4.4
		DCGT11T304R					●		0.4	9.525	3.97	4.4
		DCGT11T304L					●		0.4	9.525	3.97	4.4
Medium cutting	-	DCMW070204	▲	●					0.4	6.35	2.38	2.8
		DCMW070208		●					0.8	6.35	2.38	2.8
		DCMW11T304	▲	●					0.4	9.525	3.97	4.4
		DCMW11T308		●					0.8	9.525	3.97	4.4
	-	DCGW070202					●		0.2	6.35	2.38	2.8
		DCGW070204			●		●		0.4	6.35	2.38	2.8
		DCGW11T304					●		0.4	9.525	3.97	4.4
		DCGW11T308					●		0.8	9.525	3.97	4.4

● : Line up
▲ : To be discontinued

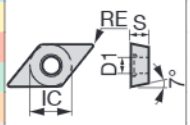
Reference pages: External toolholder → C048 - Internal toolholder → D048 -
J-Series toolholder → G026 - PINZBOHR® → K184 -

● : Continuous cutting
◐ : Light interrupted cutting
✠ : Heavy interrupted cutting

DC

Rhombic, 55°
with hole
Positive 7°

		AH725	SH725	SH730
P	Steel	◐	●◐	●◐
M	Stainless	◐	●◐	●◐
K	Cast iron	◐		
N	Non-ferrous			
S	Superalloy	●		●◐
H	Hard material			

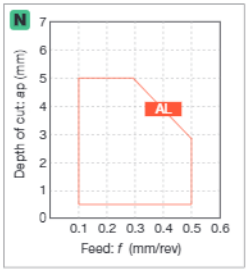


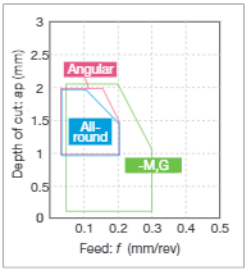
Application	Chipbreaker	Designation	Coated AH725	SH725	SH730	RE	IC	S	D1
For external turning on Swiss lathes (sharp edge)	JS	DCGT070200FN-JS		●	●	0.03	6.35	2.38	2.8
		DCGT070201FN-JS		●	●	<0.1	6.35	2.38	2.8
		DCGT070202FN-JS		●	●	<0.2	6.35	2.38	2.8
		DCGT11T300FN-JS		●	●	0.03	9.525	3.97	4.4
		DCGT11T301FN-JS		●	●	<0.1	9.525	3.97	4.4
		DCGT11T302FN-JS		●	●	<0.2	9.525	3.97	4.4
		DCGT11T304FN-JS		●	●	<0.4	9.525	3.97	4.4
For external turning on Swiss lathes	JS	DCGT070201N-JS	●			0.1	6.35	2.38	2.8
		DCGT070202N-JS	●			0.2	6.35	2.38	2.8
		DCGT11T301N-JS	●			0.1	9.525	3.97	4.4
		DCGT11T302N-JS	●			0.2	9.525	3.97	4.4
		DCGT11T304N-JS	●			0.4	9.525	3.97	4.4
For external turning on Swiss lathes (sharp edge)	JPP	DCET0702008MFR-JPP		●	●	<0.08	6.35	2.38	2.8
		DCET0702008MFL-JPP		●	●	<0.08	6.35	2.38	2.8
		DCET070201MFR-JPP		●	●	<0.1	6.35	2.38	2.8
		DCET070201MFL-JPP		●	●	<0.1	6.35	2.38	2.8
		DCET0702018MFR-JPP		●	●	<0.18	6.35	2.38	2.8
		DCET0702018MFL-JPP		●	●	<0.18	6.35	2.38	2.8
		DCET070202MFR-JPP		●	●	<0.2	6.35	2.38	2.8
		DCET070202MFL-JPP		●	●	<0.2	6.35	2.38	2.8
		DCET11T3008MFR-JPP		●	●	<0.08	9.525	3.97	4.4
		DCET11T3008MFL-JPP		●	●	<0.08	9.525	3.97	4.4
		DCET11T301MFR-JPP		●	●	<0.1	9.525	3.97	4.4
		DCET11T301MFL-JPP		●	●	<0.1	9.525	3.97	4.4
		DCET11T3018MFR-JPP		●	●	<0.18	9.525	3.97	4.4
		DCET11T3018MFL-JPP		●	●	<0.18	9.525	3.97	4.4
		DCET11T302MFR-JPP		●	●	<0.2	9.525	3.97	4.4
		DCET11T302MFL-JPP		●	●	<0.2	9.525	3.97	4.4

*Corner radius (RE) with a sign of inequality (<) means minus tolerance.

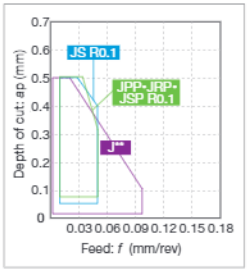
● : Line up

Chip control range





*-M,G: Without chipbreaker



*Chip control range with typical R0.1

Reference pages: External toolholder → C049 - Internal toolholder → D048 -
J-Series toolholder → G026 - PINZBOHR® → K184 -

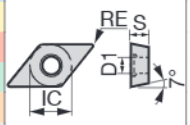
Insert POSITIVE TYPE

● : Continuous cutting
◐ : Light interrupted cutting
✠ : Heavy interrupted cutting

DC

Rhombic, 55°
with hole
Positive 7°

		Coated						Coated cermet				Cermet				Uncoated											
P	Steel	◐	◐	◐				◐				◐				●											
M	Stainless	◐	◐	◐												●											
K	Cast iron							◐				◐				●											
N	Non-ferrous															●											
S	Superalloy		◐																								
H	Hard material																										



Application	Chipbreaker	Designation	SH725	SH730	J740	J9530	NS9530	TH10	RE	IC	S	D1
			Coated			Coated cermet	Cermet	Uncoated	Dimension (mm)			
For external turning on Swiss lathes (sharp edge)	JRP	DCET0702008MFR-JRP	●	●					<0.08	6.35	2.38	2.8
		DCET0702008MFL-JRP	●	●					<0.08	6.35	2.38	2.8
		DCET070201MFR-JRP	●	●					<0.1	6.35	2.38	2.8
		DCET070201MFL-JRP	●	●					<0.1	6.35	2.38	2.8
		DCET0702018MFR-JRP	●	●					<0.18	6.35	2.38	2.8
		DCET0702018MFL-JRP	●	●					<0.18	6.35	2.38	2.8
		DCET070202MFR-JRP	●	●					<0.2	6.35	2.38	2.8
		DCET070202MFL-JRP	●	●					<0.2	6.35	2.38	2.8
		DCET11T3008MFR-JRP	●	●					<0.08	9.525	3.97	4.4
		DCET11T3008MFL-JRP	●	●					<0.08	9.525	3.97	4.4
		DCET11T301MFR-JRP	●	●					<0.1	9.525	3.97	4.4
		DCET11T301MFL-JRP	●	●					<0.1	9.525	3.97	4.4
		DCET11T3018MFR-JRP	●	●					<0.18	9.525	3.97	4.4
		DCET11T3018MFL-JRP	●	●					<0.18	9.525	3.97	4.4
		DCET11T302MFR-JRP	●	●					<0.2	9.525	3.97	4.4
		DCET11T302MFL-JRP	●	●					<0.2	9.525	3.97	4.4
	JSP	DCET0702008MFN-JSP	●	●					<0.08	6.35	2.38	2.8
		DCET070201MFN-JSP	●	●					<0.1	6.35	2.38	2.8
		DCET0702018MFN-JSP	●	●					<0.18	6.35	2.38	2.8
		DCET070202MFN-JSP	●	●					<0.2	6.35	2.38	2.8
		DCET11T3008MFN-JSP	●	●					<0.08	9.525	3.97	4.4
		DCET11T301MFN-JSP	●	●					<0.1	9.525	3.97	4.4
		DCET11T3018MFN-JSP	●	●					<0.18	9.525	3.97	4.4
		DCET11T302MFN-JSP	●	●					<0.2	9.525	3.97	4.4
	J10	DCGT070200FR-J10	●		●			●	0.03	6.35	2.38	2.8
		DCGT070200FL-J10	●		●			●	0.03	6.35	2.38	2.8
		DCGT070201FR-J10	●		●		●	●	0.1	6.35	2.38	2.8
		DCGT070201FL-J10	●		●		●	●	0.1	6.35	2.38	2.8
		DCGT070202FR-J10	●		●		●	●	0.2	6.35	2.38	2.8
		DCGT070202FL-J10	●		●		●	●	0.2	6.35	2.38	2.8
		DCGT070204FR-J10	●						0.4	6.35	2.38	2.8
		DCGT070204FL-J10	●						0.4	6.35	2.38	2.8
		DCGT11T300FR-J10	●		●			●	0.03	9.525	3.97	4.4
		DCGT11T300FL-J10	●		●			●	0.03	9.525	3.97	4.4
		DCGT11T301FR-J10	●		●		●	●	0.1	9.525	3.97	4.4
		DCGT11T301FL-J10	●		●		●	●	0.1	9.525	3.97	4.4
		DCGT11T302FR-J10	●		●		●	●	0.2	9.525	3.97	4.4
		DCGT11T302FL-J10	●		●		●	●	0.2	9.525	3.97	4.4
For external turning on Swiss lathes (honed edge)	J10	DCGT070202R-J10				●			0.2	6.35	2.38	2.8
		DCGT11T302R-J10				●			0.2	9.525	3.97	4.4

*Corner radius (RE) with a sign of inequality (<) means minus tolerance.

● : Line up

Reference pages: External toolholder → C049 - Internal toolholder → D048 -
J-Series toolholder → G026 - PINZBOHR® → K184 -

Insert POSITIVE TYPE

● : Continuous cutting
ⓒ : Light interrupted cutting
✠ : Heavy interrupted cutting

DP

Rhombic, 55° with hole Positive 11°

| | | |

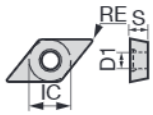
Insert POSITIVE TYPE / DOUBLE SIDE

● : Continuous cutting
◐ : Light interrupted cutting
✠ : Heavy interrupted cutting

DX

Rhombic, 55° with hole

		Coated			Coated cermet	Cermet	Uncoated
		AH725	AH8015	SH725	GT9530	NS9530	KS05F
P	Steel	◐		●◐	●◐	●◐	
M	Stainless	◐	◐	●◐			
K	Cast iron	◐			●◐	●◐	●
N	Non-ferrous						●
S	Superalloy	●	◐				●
H	Hard material						



Application	Chipbreaker	Designation	AH725	AH8015	SH725	GT9530	NS9530	KS05F	RE	IC	S	D1
Finishing to medium cutting (sharp edge)	JTS	DXGU070301MFR-JTS			●				<0.1	6.35	3.18	2.7
		DXGU070301MFL-JTS			●				<0.1	6.35	3.18	2.7
		DXGU070302MFR-JTS			●				<0.2	6.35	3.18	2.7
		DXGU070302MFL-JTS			●				<0.2	6.35	3.18	2.7
Finishing to medium cutting	JTS	DXGU070301MR-JTS	●						<0.1	6.35	3.18	2.7
		DXGU070301ML-JTS	●						<0.1	6.35	3.18	2.7
		DXGU070302MR-JTS	●						<0.2	6.35	3.18	2.7
		DXGU070302ML-JTS	●						<0.2	6.35	3.18	2.7
Finishing (low cutting force) (sharp edge)	JSS	DXGU070301MFR-JSS			●				<0.1	6.35	3.18	2.7
		DXGU070301MFL-JSS			●				<0.1	6.35	3.18	2.7
		DXGU070302MFR-JSS			●				<0.2	6.35	3.18	2.7
		DXGU070302MFL-JSS			●				<0.2	6.35	3.18	2.7
Finishing (low cutting force)	JSS	DXGU070301MR-JSS	●						<0.1	6.35	3.18	2.7
		DXGU070301ML-JSS	●						<0.1	6.35	3.18	2.7
		DXGU070302MR-JSS	●						<0.2	6.35	3.18	2.7
		DXGU070302ML-JSS	●						<0.2	6.35	3.18	2.7
Finishing to medium cutting	TS	DXGU070302R-TS	●	●		●	●	●	0.2	6.35	3.18	2.7
		DXGU070302L-TS	●	●		●	●	●	0.2	6.35	3.18	2.7
		DXGU070304R-TS	●	●		●	●	●	0.4	6.35	3.18	2.7
		DXGU070304L-TS	●	●		●	●	●	0.4	6.35	3.18	2.7
		DXGU070308R-TS	●	●		●	●	●	0.8	6.35	3.18	2.7
		DXGU070308L-TS	●	●		●	●	●	0.8	6.35	3.18	2.7
Finishing (low cutting force)	SS	DXGU070302R-SS	●	●		●	●	●	0.2	6.35	3.18	2.7
		DXGU070302L-SS	●	●		●	●	●	0.2	6.35	3.18	2.7
		DXGU070304R-SS	●	●		●	●	●	0.4	6.35	3.18	2.7
		DXGU070304L-SS	●	●		●	●	●	0.4	6.35	3.18	2.7

*Corner radius (RE) with a sign of inequality (<) means minus tolerance.

● : Line up

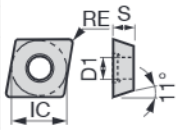
Reference pages: External toolholder → C039 - Internal toolholder → D035 -

● : Continuous cutting
ⓒ : Light interrupted cutting
✠ : Heavy interrupted cutting

EP

Rhombic, 75° with hole
Positive 11°

		GH110	SH725	SH730	GT9530	NS9530	TH10	UX30
		Coated			Coated cermet	Cermet	Uncoated	
P	Steel	●	●ⓒ	●ⓒ	●ⓒ	●ⓒ	●	ⓒ
M	Stainless	●	●ⓒ	●ⓒ			●	ⓒ
K	Cast iron	●			●ⓒ	●ⓒ	●	
N	Non-ferrous						●	
S	Superalloy	●		●ⓒ				
H	Hard material							

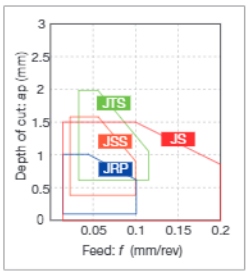


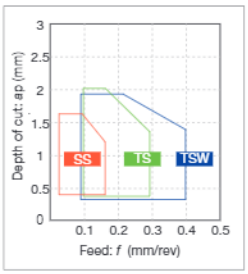
Application	Chipbreaker	Designation	GH110	SH725	SH730	GT9530	NS9530	TH10	UX30	RE	IC	S	D1
Finishing	W08	EPGT03X100R-W08			●			●		0.03	3.57	1.39	1.9
		EPGT03X100L-W08			●			●		0.03	3.57	1.39	1.9
		EPGT03X101R-W08			●			●		0.1	3.57	1.39	1.9
		EPGT03X101L-W08			●			●		0.1	3.57	1.39	1.9
		EPGT03X102R-W08			●			●		0.2	3.57	1.39	1.9
		EPGT03X102L-W08			●			●		0.2	3.57	1.39	1.9
		EPGT03X104R-W08			●			●		0.4	3.57	1.39	1.9
		EPGT03X104L-W08			●			●		0.4	3.57	1.39	1.9
		EPGT040100R-W08			●			●		0.03	3.97	1.59	2.3
		EPGT040100L-W08	●		●		●	●		0.03	3.97	1.59	2.3
		EPGT040101R-W08			●			●		0.1	3.97	1.59	2.3
		EPGT040101L-W08			●			●		0.1	3.97	1.59	2.3
		EPGT040102R-W08	●		●		●	●		0.2	3.97	1.59	2.3
		EPGT040102L-W08	●		●	●	●	●	●	0.2	3.97	1.59	2.3
		EPGT040104R-W08	●		●		●	●		0.4	3.97	1.59	2.3
		EPGT040104L-W08	●		●	●	●	●	●	0.4	3.97	1.59	2.3
Finishing (sharp edge)	W08	EPGT03X100FL-W08		●						0.03	3.57	1.39	1.9
		EPGT03X100FR-W08		●						0.03	3.57	1.39	1.9
		EPGT03X101FL-W08		●						0.1	3.57	1.39	1.9
		EPGT03X101FR-W08		●						0.1	3.57	1.39	1.9
		EPGT03X102FL-W08		●						0.2	3.57	1.39	1.9
		EPGT03X102FR-W08		●						0.2	3.57	1.39	1.9
		EPGT03X104FL-W08		●						0.4	3.57	1.39	1.9
		EPGT03X104FR-W08		●						0.4	3.57	1.39	1.9
		EPGT040100FL-W08		●						0.03	3.97	1.59	2.3
		EPGT040100FR-W08		●						0.03	3.97	1.59	2.3
		EPGT040101FL-W08		●						0.1	3.97	1.59	2.3
		EPGT040101FR-W08		●						0.1	3.97	1.59	2.3
		EPGT040102FL-W08		●						0.2	3.97	1.59	2.3
		EPGT040102FR-W08		●						0.2	3.97	1.59	2.3
		EPGT040104FL-W08		●						0.4	3.97	1.59	2.3
		EPGT040104FR-W08		●						0.4	3.97	1.59	2.3

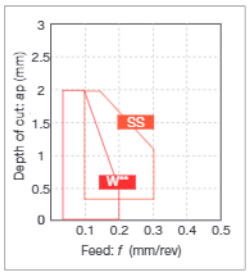
Dimension (mm)

● : Line up

Chip control range







Reference pages: Internal toolholder → D033 - Boring bar tool → K211 - Top-borer tool → K213

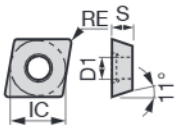
Insert POSITIVE TYPE

● : Continuous cutting
◐ : Light interrupted cutting
✠ : Heavy interrupted cutting

EP

Rhombic, 75° with hole
Positive 11°

		SH725	SH730	J740
P	Steel	◐	◐	◐
M	Stainless	◐	◐	◐
K	Cast iron			
N	Non-ferrous			
S	Superalloy		◐	
H	Hard material			



Application	Chipbreaker	Designation	SH725	SH730	J740	RE	IC	S	D1
			Coated			Dimension (mm)			
For internal turning on Swiss lathes	JS	EPGT03X101-JS		●		<0.1	3.57	1.39	1.9
		EPGT03X102-JS		●		<0.2	3.57	1.39	1.9
		EPGT03X104-JS		●		<0.4	3.57	1.39	1.9
		EPGT040101-JS		●		<0.1	3.97	1.59	2.3
		EPGT040102-JS		●		<0.2	3.97	1.59	2.3
		EPGT040104-JS		●		<0.4	3.97	1.59	2.3
For internal turning on Swiss lathes (sharp edge)	JS	EPGT03X101F-JS	●			<0.1	3.57	1.39	1.9
		EPGT03X102F-JS	●			<0.2	3.57	1.39	1.9
		EPGT03X104F-JS	●			<0.4	3.57	1.39	1.9
		EPGT040101F-JS	●			<0.1	3.97	1.59	2.3
		EPGT040102F-JS	●			<0.2	3.97	1.59	2.3
		EPGT040104F-JS	●			<0.4	3.97	1.59	2.3
Finishing	J08	EPGT040100L-J08		●	●	0.03	3.97	1.59	2.3
		EPGT040102L-J08		●	●	0.2	3.97	1.59	2.3
		EPGT040104L-J08		●	●	0.4	3.97	1.59	2.3
Finishing (sharp edge)	J08	EPGT040100FL-J08	●			0.03	3.97	1.59	2.3
		EPGT040102FL-J08	●			0.2	3.97	1.59	2.3
		EPGT040104FL-J08	●			0.4	3.97	1.59	2.3

*Corner radius (RE) with a sign of inequality (<) means minus tolerance.

● : Line up

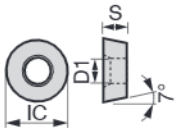
Reference pages: Internal toolholder → D033 - Boring bar tool → K211 - Top-borer tool → K213

● : Continuous cutting
◐ : Light interrupted cutting
✠ : Heavy interrupted cutting

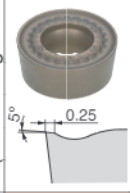
RC

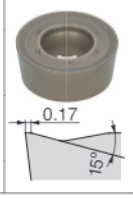
Round, with hole
Positive 7°

		T9215	T9225	T9115	T9125	T5115	AH120	AH8005	AH8015	AH905	KS05F
P	Steel	●◐	◐✠	●◐	◐✠		●◐				
M	Stainless	●◐					●◐	●	◐		
K	Cast iron	●◐		●◐		◐	●◐				●
N	Non-ferrous										●
S	Superalloy						●◐	●	◐	◐	●
H	Hard material										



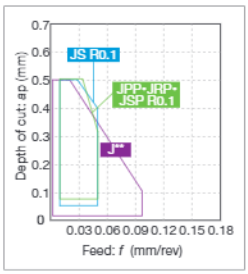
Application	Chipbreaker	Designation	T9215	T9225	T9115	T9125	T5115	AH120	AH8005	AH8015	AH905	KS05F	RE	IC	S	D1
			Coated									Uncoated	Dimension (mm)			
Finishing to medium cutting	RS	RCMT10T3M0-RS	●	●	▲	▲			●	●	●		-	10	3.97	4.4
		RCMT1204M0-RS	●	●	▲	▲			●	●	●		-	12	4.76	4.4
		RCMT1606M0-RS	●	●	▲	▲		●					-	16	6.35	5.5
		RCMT2006M0-RS		●		▲							-	20	6.35	6.5
		RCMT2507M0-RS		●		▲							-	25	7.94	7.6
	CM	RCMT0502M0-CM					●						-	5	2.38	2.5
		RCMT0602M0-CM					●						-	6	2.38	2.8
		RCMT0803M0-CM					●						-	8	3.18	3.4
	AL	RCGT0602M0-AL										●	-	6	2.38	2.8
		RCGT0803M0-AL										●	-	8	3.18	3.4
		RCGT1003M0-AL										●	-	10	3.18	4.4
Finishing (low cutting force)	6RS	RCMT1204M0-6RS	●	●	▲	▲							-	12	4.76	4.4
Medium cutting	6RM	RCMT1204M0-6RM	●	●	▲	▲							-	12	4.76	4.4

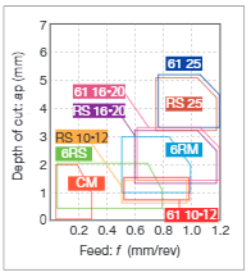


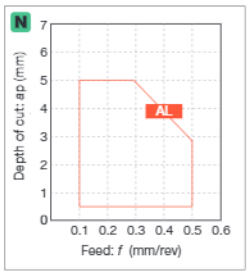


● : Line up
▲ : To be discontinued

Chip control range







*Chip control range with typical R0.1

Reference pages: External toolholder → C074 -, C083

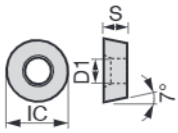
Insert POSITIVE TYPE

● : Continuous cutting
ⓒ : Light interrupted cutting
✠ : Heavy interrupted cutting

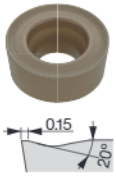
RC

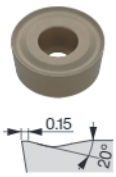
Round, with hole
Positive 7°

		T9215	T9225	T9115	T9125	AH8005	AH8015	AH905	NS9530	TH10
		Coated							Cermet	Uncoated
P	Steel	●ⓒ	ⓒ✠	●ⓒ	ⓒ✠				●ⓒ	●
M	Stainless	●ⓒ				●	ⓒ			●
K	Cast iron	●ⓒ		●ⓒ					●ⓒ	●
N	Non-ferrous									●
S	Superalloy					●	ⓒ	ⓒ		
H	Hard material									



Application	Chipbreaker	Designation	T9215	T9225	T9115	T9125	AH8005	AH8015	AH905	NS9530	TH10	RE	IC	S	D1
Heavy cutting	61	RCMT0502M0-61	●	●	▲	▲				●	●	-	5	2.38	2.5
		RCMT0602M0-61	●	●	▲	▲				●	●	-	6	2.38	2.8
		RCMT0803M0-61	●	●	▲	▲				●	●	-	8	3.18	3.4
	61	RCMM1003M0-61	●	●	▲	▲	●	●	●	●	●	-	10	3.18	3.6
		RCMM1204M0-61	●	●	▲	▲	●	●	●	●	●	-	12	4.76	4.2
		RCMM1606M0-61	●	●	▲	▲					●	-	16	6.35	5.2
		RCMM2006M0-61		●		▲					●	-	20	6.35	6.5
		RCMM2507M0-61		●		▲						-	25	7.94	7.2



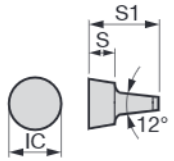


D1 (mm) Designation	0502M0	0602M0	0803M0	1003M0	1204M0	1606M0	2006M0	2507M0
RC*T	2.5	2.8	3.4	4.4	4.4	5.5	6.5	7.6
RCMM	-	-	-	3.6	4.2	5.2	6.5	7.2

RT

Special round insert

		T10	KS20
		Uncoated	
P	Steel	●	
M	Stainless	●	
K	Cast iron	●	ⓒ✠
N	Non-ferrous	●	ⓒ✠
S	Superalloy		ⓒ✠
H	Hard material		



Application	Chipbreaker	Designation	TH10	KS20	RE	IC	S	S1
Medium cutting	-	RT05	●		-	5	2.5	6.5
		RT06	●	●	-	6	3	7.7
		RT08	●		-	8	4.2	10.3

● : Line up
▲ : To be discontinued

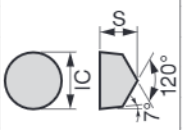
Reference pages: RC...: External toolholder → C074 -

● : Continuous cutting
◐ : Light interrupted cutting
✠ : Heavy interrupted cutting

RC

Round, without hole
Positive 7°

P	Steel
M	Stainless
K	Cast iron
N	Non-ferrous
S	Superalloy
H	Hard material



| Application | Chipbreaker | Designation | Ceramic | | |

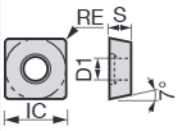
MEMO

● : Continuous cutting
c : Light interrupted cutting
✠ : Heavy interrupted cutting

SC

Square, 90°
with hole
Positive 7°

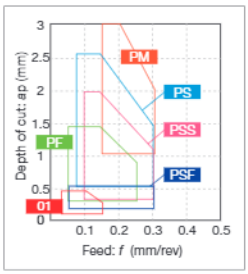
		T9215	T9225	T9115	T9125	T6120	T6130	AH630	AH645	T515	T5115	AH120	AH725	GT9530	AT9530	NS9530
P	Steel	●c	c✠	●c	c✠	c	✠	c✠	✠			●c	c	●c	●c	●c
M	Stainless	●c				●	c	c	✠			●c	c			
K	Cast iron	●c		●c						●c	c	●c	c	●c	●c	●c
N	Non-ferrous															
S	Superalloy											●c	●			
H	Hard material															

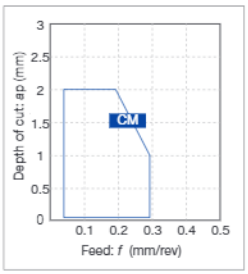


Application	Chipbreaker	Designation	Coated												Coated cermet		Cermet	Dimension (mm)			
			T9215	T9225	T9115	T9125	T6120	T6130	AH630	AH645	T515	T5115	AH120	AH725	GT9530	AT9530	NS9530	RE	IC	S	D1
Finishing to medium cutting	PS	SCMT09T304-PS	●	●	▲	▲	●	●	●	●				●	●	●	●	0.4	9.525	3.97	4.4
		SCMT09T308-PS	●	●	▲	▲	●	●	●	●				●	●	●	●	0.8	9.525	3.97	4.4
		SCMT120404-PS	●	●	▲	▲	●	●	●	●				●			●	0.4	12.7	4.76	5.5
		SCMT120408-PS	●	●	▲	▲	●	●	●	●				●			●	0.8	12.7	4.76	5.5
	23	SCMT09T302-23															●	0.2	9.525	3.97	4.4
		SCMT09T308-23		●		▲							●					0.8	9.525	3.97	4.4
		SCMT120408-23		●		▲							●	●				0.8	12.7	4.76	5.5
Medium cutting	24	SCMT070204-24		●		▲											●	0.4	7.94	2.38	3.4
		SCMT09T302-24															●	0.2	9.525	3.97	4.4
		SCMT09T304-24		●		▲											●	0.4	9.525	3.97	4.4
		SCMT09T308-24	●	●	▲	▲											●	0.8	9.525	3.97	4.4
		SCMT120404-24		●		▲											●	0.4	12.7	4.76	5.5
		SCMT120408-24		●		▲											●	0.8	12.7	4.76	5.5
	PM	SCMT09T304-PM	●	●	▲	▲	●	●	●	●				●			●	0.4	9.525	3.97	4.4
		SCMT09T308-PM	●	●	▲	▲	●	●	●	●				●			●	0.8	9.525	3.97	4.4
		SCMT120408-PM	●	●	▲	▲	●	●	●	●				●			●	0.8	12.7	4.76	5.5
		SCMT120412-PM		●		▲	●	●	●	●				●			●	1.2	12.7	4.76	5.5
Finishing to medium cutting	CM	SCMT09T304-CM									●	●						0.4	9.525	3.97	4.4
		SCMT09T308-CM									●	●						0.8	9.525	3.97	4.4
		SCMT09T312-CM										●						1.2	9.525	3.97	4.4
		SCMT120404-CM									●	●						0.4	12.7	4.76	5.5
		SCMT120408-CM									●	●						0.8	12.7	4.76	5.5

● : Line up
▲ : To be discontinued

Chip control range





Reference pages: External toolholder → C104 -

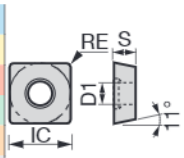
Insert POSITIVE TYPE

● : Continuous cutting
ⓒ : Light interrupted cutting
✠ : Heavy interrupted cutting

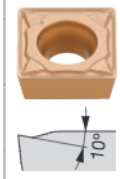
SP

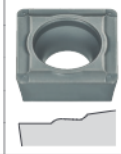
Square, 90° with hole
Positive 11°

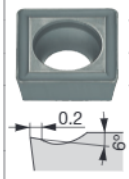
		T9215	T9225	T9115	T9125	T6120	T6130	AH630	AH645	AH120	AH725	GT9530	AT9530	NS9530	TH10
		Coated										Coated cermet		Cermet	Uncoated
P	Steel	●ⓒ	ⓒ✠	●ⓒ	ⓒ✠	ⓒ	✠	ⓒ✠	✠	●ⓒ	ⓒ	●ⓒ	●ⓒ	●ⓒ	●
M	Stainless	●ⓒ				●	ⓒ	ⓒ	✠	●ⓒ	ⓒ				●
K	Cast iron	●ⓒ		●ⓒ						●ⓒ	ⓒ	●ⓒ	●ⓒ	●ⓒ	●
N	Non-ferrous														●
S	Superalloy									●ⓒ	●				
H	Hard material														

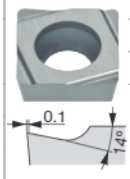


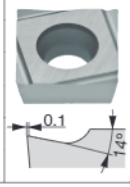
Application	Chipbreaker	Designation	T9215	T9225	T9115	T9125	T6120	T6130	AH630	AH645	AH120	AH725	GT9530	AT9530	NS9530	TH10	RE	IC	S	D1
			Coated										Coated cermet		Cermet	Uncoated	Dimension (mm)			
Finishing to medium cutting	PS	SPMT090304-PS	●	●	▲	▲	●	●	●	●		●	●	●	●		0.4	9.525	3.18	4.4
		SPMT090308-PS	●	●	▲	▲	●	●	●	●		●	●	●	●		0.8	9.525	3.18	4.4
		SPMT120404-PS	●	●	▲	▲	●	●	●	●		●					0.4	12.7	4.76	5.5
		SPMT120408-PS	●	●	▲	▲	●	●	●	●		●					0.8	12.7	4.76	5.5
	23	SPMT090304-23		●		▲									●		0.4	9.525	3.18	4.4
		SPMT090308-23		●		▲									●		0.8	9.525	3.18	4.4
Medium cutting	24	SPMT090304-24		●		▲									●		0.4	9.525	3.18	4.4
		SPMT090308-24		●		▲					●				●		0.8	9.525	3.18	4.4
		SPMT120404-24													●		0.4	12.7	4.76	5.5
		SPMT120408-24													●		0.8	12.7	4.76	5.5
Finishing	W15	SPGT090302L-W15													●		0.2	9.525	3.18	4.4
		SPGT090304L-W15													●	●	0.4	9.525	3.18	4.4
		SPGT090308R-W15														●	0.8	9.525	3.18	4.4
		SPGT090308L-W15													●	●	0.8	9.525	3.18	4.4
	W20	SPGT120404L-W20													●		0.4	12.7	4.76	5.5











● : Line up
▲ : To be discontinued

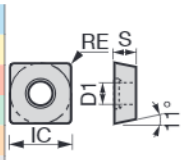
Reference pages: Internal toolholder → D038 - Cartridge → K197 -

● : Continuous cutting
◐ : Light interrupted cutting
✠ : Heavy interrupted cutting

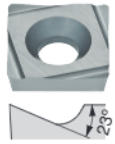
SP

Square, 90°
with hole
Positive 11°

		T515	T5115	NS9530	TH10
P	Steel			●◐	●
M	Stainless				●
K	Cast iron	●◐	◐	●◐	●
N	Non-ferrous				●
S	Superalloy				
H	Hard material				

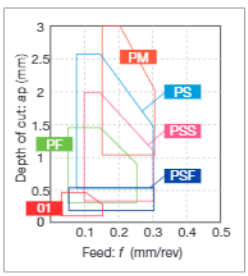


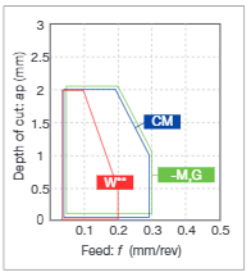
Application	Chipbreaker	Designation	Coated T515	Coated T5115	Cermet NS9530	Uncoated TH10	Dimension (mm) RE	IC	S	D1
Finishing to medium cutting	CM	SPMT090304-CM		●			0.4	9.525	3.18	4.4
		SPMT090308-CM		●			0.8	9.525	3.18	4.4
		SPMT120404-CM	●	●			0.4	12.7	4.76	5.5
		SPMT120408-CM	●	●			0.8	12.7	4.76	5.5
	- (Tungaloy standard hole specification)	SPGM090304L			●		0.4	9.525	3.18	4.4
		SPGM120304L			●		0.4	12.7	3.18	5
		SPGM120308L			●		0.8	12.7	3.18	5
	-	SPMW090304		●			0.4	9.525	3.18	4.4
		SPMW090308		●			0.8	9.525	3.18	4.4
		SPMW120404		●			0.4	12.7	4.76	5.5
		SPMW120408		●			0.8	12.7	4.76	5.5
	-	SPGW090302				●	0.2	9.525	3.18	4.4
		SPGW090304				●	0.4	9.525	3.18	4.4
		SPGW120404				●	0.4	12.7	4.76	5.5
	- (Tungaloy standard hole specification)	SPGA090304			●		0.4	9.525	3.18	4.4



● : Line up

Chip control range





*-M,G: Without chipbreaker

Reference pages: Internal toolholder → D038 - Cartridge → K197 -

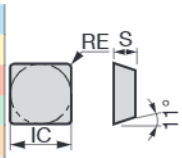
Insert POSITIVE TYPE

● : Continuous cutting
ⓒ : Light interrupted cutting
✠ : Heavy interrupted cutting

SP

Square, 90° without hole
Positive 11°

		T9225	T9125	T5115	NS9530	TH10	UX30	LX11
		Coated			Cermet	Uncoated		Ceramic
P	Steel	ⓒ✠	ⓒ✠		●ⓒ	●	●	
M	Stainless					●	●	
K	Cast iron			ⓒ	●ⓒ	●		
N	Non-ferrous					●		
S	Superalloy							
H	Hard material							●



Application	Chipbreaker	Designation	T9225	T9125	T5115	NS9530	TH10	UX30	LX11	RE	IC	S	D1
Finishing to medium cutting	23	SPMR090304-23				●				0.4	9.525	3.18	-
		SPMR090308-23	●	▲		●				0.8	9.525	3.18	-
		SPMR120304-23	●	▲		●				0.4	12.7	3.18	-
		SPMR120308-23	●	▲		●				0.8	12.7	3.18	-
	CM	SPMR090304-CM			●					0.4	9.525	3.18	-
		SPMR090308-CM			●					0.8	9.525	3.18	-
		SPMR120304-CM			●					0.4	12.7	3.18	-
		SPMR120308-CM			●					0.8	12.7	3.18	-
		SPMR120312-CM			●					1.2	12.7	3.18	-
	-	SPGR090304L				●				0.4	9.525	3.18	-
	-	SPGN090304					●		●	0.4	9.525	3.18	-
		SPGN090308					●		●	0.8	9.525	3.18	-
		SPGN120304					●		●	0.4	12.7	3.18	-
		SPGN120308					●		●	0.8	12.7	3.18	-
		SPGN120312				●			●	1.2	12.7	3.18	-
		SPGN120408					●			0.8	12.7	4.76	-
	-	SPMN090304			●					0.4	9.525	3.18	-
		SPMN090308			●					0.8	9.525	3.18	-
		SPMN120304			●					0.4	12.7	3.18	-
		SPMN120308			●	●	●	●		0.8	12.7	3.18	-
		SPMN120312			●		●			1.2	12.7	3.18	-
		SPMN120408			●		●			0.8	12.7	4.76	-
		SPMN120412			●					1.2	12.7	4.76	-

● : Line up
▲ : To be discontinued

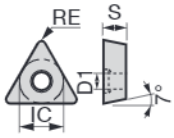
Reference pages: Internal toolholder → D038 - Cartridge → K197 -

● : Continuous cutting
ⓒ : Light interrupted cutting
✠ : Heavy interrupted cutting

TC

Triangular, 60°
with hole
Positive 7°

		T9215	T9225	T9115	T9125	AH725	SH725	J740	GT9530	NS9530	NS520	TH10
P	Steel	●ⓒ	ⓒ✠	●ⓒ	ⓒ✠	ⓒ	●ⓒ	●ⓒ	●ⓒ	●ⓒ	●ⓒ	●
M	Stainless	●ⓒ				ⓒ	●ⓒ	●ⓒ				●
K	Cast iron	●ⓒ		●ⓒ		ⓒ			●ⓒ	●ⓒ	●ⓒ	●
N	Non-ferrous											●
S	Superalloy					●						
H	Hard material											

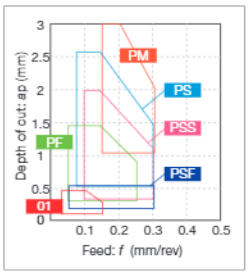


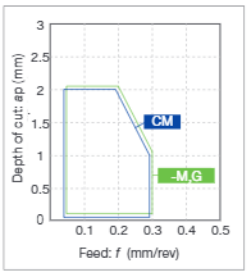
Application	Chipbreaker	Designation	T9215	T9225	T9115	T9125	AH725	SH725	J740	GT9530	NS9530	NS520	TH10	RE	IC	S	D1
			Coated							Coated cermet	Cermet		Uncoated	Dimension (mm)			
Precision finishing	01	TCGT090204-01										●	●	0.4	5.56	2.38	2.5
		TCGT110202-01							●					0.2	6.35	2.38	2.8
		TCGT110204-01								●	●	●	●	0.4	6.35	2.38	2.8
		TCGT110208-01									●			0.8	6.35	2.38	2.8
		TCGT16T304-01											●	0.4	9.525	3.97	4.4
		TCGT16T308-01										●	●	0.8	9.525	3.97	4.4
Precision finishing (sharp edge)	01	TCGT110202F-01						●						<0.2	6.35	2.38	2.8
		TCGT110204F-01						●						<0.4	6.35	2.38	2.8
Finishing	PSF	TCMT090202-PSF					●							0.2	5.56	2.38	2.5
		TCMT090204-PSF	●	●	▲	▲	●							0.4	5.56	2.38	2.5
		TCMT110202-PSF					●							0.2	6.35	2.38	2.8
		TCMT110204-PSF	●	●	▲	▲	●							0.4	6.35	2.38	2.8
		TCMT110302-PSF					●							0.2	6.35	3.18	2.8
		TCMT110304-PSF	●	●	▲	▲	●							0.4	6.35	3.18	2.8
		TCMT16T304-PSF	●	●	▲	▲	●							0.4	9.525	3.97	4.4
Finishing to light cutting	PSS	TCMT090204-PSS	●	●	▲	▲	●							0.4	5.56	2.38	2.5
		TCMT090208-PSS	●	●	▲	▲	●							0.8	5.56	2.38	2.5
		TCMT110204-PSS	●	●	▲	▲	●							0.4	6.35	2.38	2.8
		TCMT110208-PSS	●	●	▲	▲	●							0.8	6.35	2.38	2.8
		TCMT110304-PSS	●	●	▲	▲	●							0.4	6.35	3.18	2.8
		TCMT110308-PSS	●	●	▲	▲	●							0.8	6.35	3.18	2.8
		TCMT16T304-PSS	●	●	▲	▲	●							0.4	9.525	3.97	4.4
		TCMT16T308-PSS	●	●	▲	▲	●							0.8	9.525	3.97	4.4
		TCMT16T312-PSS	●	●	▲	▲	●							1.2	9.525	3.97	4.4

*Corner radius (RE) with a sign of inequality (<) means minus tolerance.

● : Line up
▲ : To be discontinued

Chip control range





*-M,G: Without chipbreaker

Reference pages: External toolholder → C076 - Internal toolholder → D042
J-Series toolholder → G039 - PINZBOHR® → K180 -

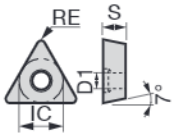
Insert POSITIVE TYPE

● : Continuous cutting
ⓒ : Light interrupted cutting
✠ : Heavy interrupted cutting

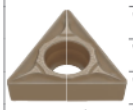
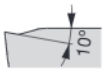
TC

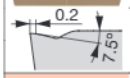
Triangular, 60°
with hole
Positive 7°

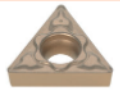
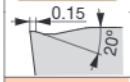
		T9215	T9225	T9115	T9125	T6120	T6130	AH630	AH645	AH725	GH730	GT9530	AT9530	NS9530	TH10
P	Steel	●ⓒ	ⓒ✠	●ⓒ	ⓒ✠	ⓒ	✠	ⓒ✠	✠	ⓒ	ⓒ	●ⓒ	●ⓒ	●ⓒ	●
M	Stainless	●ⓒ				●	ⓒ	ⓒ	✠	ⓒ	ⓒ				●
K	Cast iron	●ⓒ		●ⓒ						ⓒ	ⓒ	●ⓒ	●ⓒ	●ⓒ	●
N	Non-ferrous														●
S	Superalloy									●					
H	Hard material														

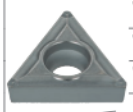


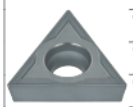
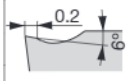
Application	Chipbreaker	Designation	Coated										Coated cermet		Cermet	Uncoated	Dimension (mm)			
			T9215	T9225	T9115	T9125	T6120	T6130	AH630	AH645	AH725	GH730	GT9530	AT9530	NS9530	TH10	RE	IC	S	D1
Finishing to medium cutting	PS	TCMT090204-PS									●						0.4	5.56	2.38	2.5
		TCMT090208-PS									●						0.8	5.56	2.38	2.5
		TCMT110202-PS	●	●	▲	▲	●	●	●	●	●	●	●	●	●		0.2	6.35	2.38	2.8
		TCMT110204-PS	●	●	▲	▲	●	●	●	●	●	●	●	●	●		0.4	6.35	2.38	2.8
		TCMT110208-PS	●	●	▲	▲	●	●	●	●	●	●	●	●	●		0.8	6.35	2.38	2.8
		TCMT110302-PS	●	●	▲	▲	●	●	●	●							0.2	6.35	3.18	2.8
		TCMT110304-PS	●	●	▲	▲	●	●	●	●							0.4	6.35	3.18	2.8
		TCMT110308-PS	●	●	▲	▲	●	●	●	●							0.8	6.35	3.18	2.8
		TCMT16T302-PS	●	●	▲	▲	●	●	●	●	●				●		0.2	9.525	3.97	4.4
		TCMT16T304-PS	●	●	▲	▲	●	●	●	●	●				●		0.4	9.525	3.97	4.4
		TCMT16T308-PS	●	●	▲	▲	●	●	●	●	●						0.8	9.525	3.97	4.4
	TSF	TCMT110204-TSF	●	●													0.4	6.35	2.38	2.8
		TCMT110208-TSF	●	●													0.8	6.35	2.38	2.8
		TCMT16T304-TSF	●	●													0.4	9.525	3.97	4.4
		TCMT16T308-TSF	●	●													0.8	9.525	3.97	4.4
	TM	TCMT110204-TM	●	●													0.4	6.35	2.38	2.8
		TCMT110208-TM	●	●													0.8	6.35	2.38	2.8
		TCMT16T304-TM	●	●													0.4	9.525	3.97	4.4
		TCMT16T308-TM	●	●													0.8	9.525	3.97	4.4
	23	TCMT090204-23		●		▲									●		0.4	5.56	2.38	2.5
		TCMT110204-23													●		0.4	6.35	2.38	2.8
		TCMT16T304-23													●		0.4	9.525	3.97	4.4
		TCMT16T308-23		●		▲											0.8	9.525	3.97	4.4
Medium cutting	24	TCMT090202-24													●		0.2	5.56	2.38	2.5
		TCMT090204-24	●	●	▲	▲									●		0.4	5.56	2.38	2.5
		TCMT110202-24													●		0.2	6.35	2.38	2.8
		TCMT110204-24	●	●	▲	▲									●		0.4	6.35	2.38	2.8
		TCMT110208-24		●		▲											0.8	6.35	2.38	2.8
		TCMT16T304-24	●	●	▲	▲									●		0.4	9.525	3.97	4.4
		TCMT16T308-24	●	●	▲	▲					●						0.8	9.525	3.97	4.4
Finishing	W15	TCGT16T302L-W15														●	0.2	9.525	3.97	4.4
		TCGT16T304L-W15													●	●	0.4	9.525	3.97	4.4
		TCGT16T308L-W15														●	0.8	9.525	3.97	4.4

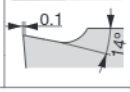









● : Line up
▲ : To be discontinued

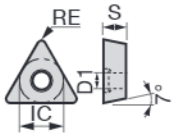
Reference pages: External toolholder → C076 - Internal toolholder → D042
J-Series toolholder → G039 - PINZBOHR® → K180 -

● : Continuous cutting
c : Light interrupted cutting
✠ : Heavy interrupted cutting

TC

Triangular, 60°
with hole
Positive 7°

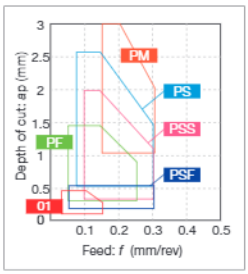
		T9215	T9225	T9115	T9125	T6120	T6130	AH630	AH645	T515	T5115	AH725	NS9530	KS05F
P	Steel	●c	c✠	●c	c✠	c	✠	c✠	✠		●c	c	●c	
M	Stainless	●c				●	c	c	✠			c		
K	Cast iron	●c		●c						●c	●c	c	●c	●
N	Non-ferrous													●
S	Superalloy											●		●
H	Hard material													

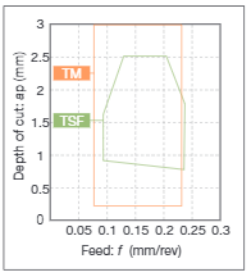


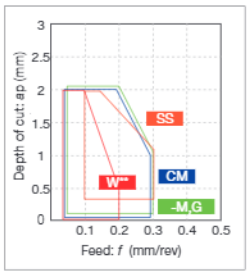
Application	Chipbreaker	Designation	T9215	T9225	T9115	T9125	T6120	T6130	AH630	AH645	T515	T5115	AH725	NS9530	KS05F	RE	IC	S	D1
			Coated											Cermet	Uncoated	Dimension (mm)			
Medium cutting	PM	TCMT110202-PM					●	●	●	●			●			0.2	6.35	2.38	2.8
		TCMT110204-PM	●	●	▲	▲	●	●	●	●			●	●		0.4	6.35	2.38	2.8
		TCMT110208-PM	●	●	▲	▲	●	●	●	●			●	●		0.8	6.35	2.38	2.8
		TCMT110302-PM					●	●	●	●						0.2	6.35	3.18	2.8
		TCMT110304-PM					●	●	●	●						0.4	6.35	3.18	2.8
		TCMT110308-PM					●	●	●	●						0.8	6.35	3.18	2.8
		TCMT16T304-PM			▲	▲	●	●	●	●			●	●		0.4	9.525	3.97	4.4
		TCMT16T308-PM	●	●	▲	▲	●	●	●	●			●	●		0.8	9.525	3.97	4.4
		TCMT16T312-PM	●	●	▲	▲	●	●	●	●			●			1.2	9.525	3.97	4.4
Finishing to medium cutting	CM	TCMT090204-CM										●				0.4	5.56	2.38	2.5
		TCMT090208-CM										●				0.8	5.56	2.38	2.5
		TCMT110204-CM										●				0.4	6.35	2.38	2.8
		TCMT110208-CM										●				0.8	6.35	2.38	2.8
		TCMT110304-CM										●				0.4	6.35	3.18	2.8
		TCMT110308-CM										●				0.8	6.35	3.18	2.8
		TCMT16T304-CM									●	●				0.4	9.525	3.97	4.4
		TCMT16T308-CM									●	●				0.8	9.525	3.97	4.4
		TCMT16T312-CM									●	●				1.2	9.525	3.97	4.4
	SS	TCGT110202-SS												●		0.2	6.35	2.38	2.8
		TCGT110204-SS												●		0.4	6.35	2.38	2.8
		TCGT110208-SS												●		0.8	6.35	2.38	2.8
		TCGT16T304-SS												●		0.4	9.525	3.97	4.4
	AL	TCGT110202-AL													●	0.2	6.35	2.38	2.8
		TCGT110204-AL													●	0.4	6.35	2.38	2.8
		TCGT16T302-AL													●	0.2	9.525	3.97	4.4
		TCGT16T304-AL													●	0.4	9.525	3.97	4.4
		TCGT16T308-AL													●	0.8	9.525	3.97	4.4

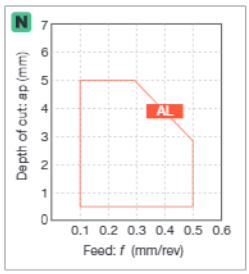
● : Line up
▲ : To be discontinued

Chip control range









*-M,G: Without chipbreaker

Reference pages: External toolholder → C076 - Internal toolholder → D042
J-Series toolholder → G039 - PINZBOHR® → K180 -

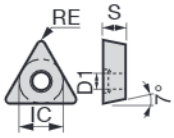
Insert POSITIVE TYPE

● : Continuous cutting
ⓒ : Light interrupted cutting
✠ : Heavy interrupted cutting

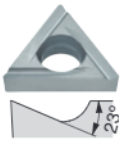
TC

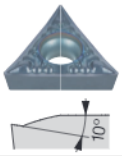
Triangular, 60° with hole
Positive 7°

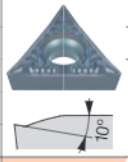
		AH725	SH725	SH730	J740	NS9530	TH10
		Coated				Cermet	Uncoated
P	Steel	ⓒ	●ⓒ	●ⓒ	●ⓒ	●ⓒ	●
M	Stainless	ⓒ	●ⓒ	●ⓒ	●ⓒ		●
K	Cast iron	ⓒ				●ⓒ	●
N	Non-ferrous						●
S	Superalloy	●		●ⓒ			
H	Hard material						



Application	Chipbreaker	Designation	AH725	SH725	SH730	J740	NS9530	TH10	RE	IC	S	D1
			Coated				Cermet	Uncoated	Dimension (mm)			
Finishing	-	TCGT080102R					●	●	0.2	4.76	1.59	2.7
For external turning on Swiss lathes (sharp edge)	JS	TCGT110200FN-JS		●	●				0.03	6.35	2.38	2.8
		TCGT110201FN-JS		●	●				<0.1	6.35	2.38	2.8
		TCGT110202FN-JS		●	●				<0.2	6.35	2.38	2.8
		TCGT110204FN-JS		●	●				<0.4	6.35	2.38	2.8
For external turning on Swiss lathes (honed edge)	JS	TCGT110201N-JS	●						0.1	6.35	2.38	2.8
		TCGT110202N-JS	●						0.2	6.35	2.38	2.8
		TCGT110204N-JS	●						0.4	6.35	2.38	2.8
For external turning on Swiss lathes (sharp edge)	J08	TCGT080200FR-J08		●		●		●	0.03	4.76	2.38	2.3
		TCGT080200FL-J08		●		●		●	0.03	4.76	2.38	2.3
		TCGT080201FR-J08		●		●		●	0.1	4.76	2.38	2.3
		TCGT080201FL-J08		●		●		●	0.1	4.76	2.38	2.3
		TCGT080202FR-J08		●		●		●	0.2	4.76	2.38	2.3
		TCGT080202FL-J08		●		●		●	0.2	4.76	2.38	2.3
		TCGT080204FR-J08		●					0.4	4.76	2.38	2.3







*Corner radius (RE) with a sign of inequality (<) means minus tolerance.

● : Line up

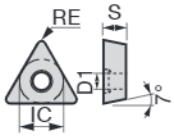
Reference pages: J-Series toolholder → G039

● : Continuous cutting
◐ : Light interrupted cutting
✠ : Heavy interrupted cutting

TC

Triangular, 60° with hole Positive 7°

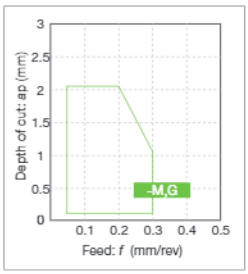
		SH725	J740	J9530	NS9530	TH10
P	Steel	◐	◐	◐	◐	●
M	Stainless	◐	◐			●
K	Cast iron			◐	◐	●
N	Non-ferrous					●
S	Superalloy					
H	Hard material					



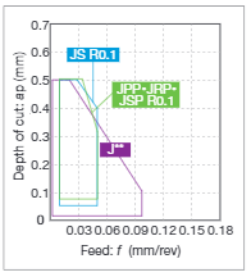
Application	Chipbreaker	Designation	Coated SH725	Coated J740	Coated cermet J9530	Cermet NS9530	Uncoated TH10	Dimension (mm) RE	IC	S	D1
For external turning on Swiss lathes (sharp edge)	J10	TCGT110200FR-J10	●	●			●	0.03	6.35	2.38	2.8
		TCGT110200FL-J10	●	●			●	0.03	6.35	2.38	2.8
		TCGT110201FR-J10	●	●			●	0.1	6.35	2.38	2.8
		TCGT110201FL-J10	●	●			●	0.1	6.35	2.38	2.8
		TCGT110202FR-J10	●	●		●	●	0.2	6.35	2.38	2.8
		TCGT110202FL-J10	●	●		●	●	0.2	6.35	2.38	2.8
		TCGT110204FR-J10	●					0.4	6.35	2.38	2.8
		TCGT110300FR-J10	●	●			●	0.03	6.35	3.18	2.8
		TCGT110300FL-J10	●	●			●	0.03	6.35	3.18	2.8
		TCGT110301FR-J10	●	●			●	0.1	6.35	3.18	2.8
		TCGT110301FL-J10	●	●			●	0.1	6.35	3.18	2.8
		TCGT110302FR-J10	●	●		●	●	0.2	6.35	3.18	2.8
		TCGT110302FL-J10	●	●		●	●	0.2	6.35	3.18	2.8
For external turning on Swiss lathes (honed edge)	J10	TCGT110302R-J10			●			0.2	6.35	3.18	2.8
		TCGT110302L-J10			●			0.2	6.35	3.18	2.8

● : Line up

Chip control range



*-M,G: Without chipbreaker



*Chip control range with typical R0.1

Reference pages: Internal toolholder → D042 J-Series toolholder → G039

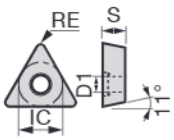
Insert POSITIVE TYPE

● : Continuous cutting
c : Light interrupted cutting
✠ : Heavy interrupted cutting

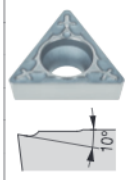
TP

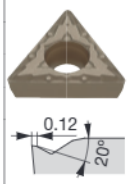
Triangular, 60° with hole
Positive 11°

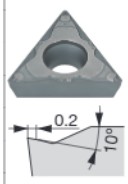
		T9215	T9225	T9115	T9125	AH725	GH730	GT9530	GT720	NS9530	NS520	TH10
P	Steel	●c	c✠	●c	c✠	c	c	●c	●c	●c	●c	●
M	Stainless	●c				c	c					●
K	Cast iron	●c		●c		c	c	●c	●c	●c	●c	●
N	Non-ferrous											●
S	Superalloy					●						
H	Hard material											



Application	Chipbreaker	Designation	Coated						Coated cermet		Cermet		Uncoated	Dimension (mm)			
			T9215	T9225	T9115	T9125	AH725	GH730	GT9530	GT720	NS9530	NS520	TH10	RE	IC	S	D1
Precision finishing	01	TPGT090202-01							●		●			0.2	5.56	2.38	2.5
		TPGT090204-01							●		●	●	●	0.4	5.56	2.38	2.5
		TPGT110202-01							●		●			0.2	6.35	2.38	2.8
		TPGT110204-01							●		●	●	●	0.4	6.35	2.38	2.8
		TPGT110208-01									●			0.8	6.35	2.38	2.8
		TPGT130302-01								●	●			0.2	7.94	3.18	3.4
		TPGT130304-01							●		●	●	●	0.4	7.94	3.18	3.4
		TPGT130308-01									●	●		0.8	7.94	3.18	3.4
		TPGT16T304-01							●		●	●	●	0.4	9.525	3.97	4.4
		TPGT16T308-01								●	●	●		0.8	9.525	3.97	4.4
Finishing	PSF	TPMT090202-PSF					●				●			0.2	5.56	2.38	2.5
		TPMT090204-PSF	●	●	▲	▲	●		●		●			0.4	5.56	2.38	2.5
		TPMT110202-PSF					●		●		●			0.2	6.35	2.38	2.8
		TPMT110204-PSF	●	●	▲	▲	●		●		●			0.4	6.35	2.38	2.8
		TPMT110302-PSF					●				●			0.2	6.35	3.18	3.4
		TPMT110304-PSF	●	●	▲	▲	●		●		●			0.4	6.35	3.18	3.4
		TPMT130304-PSF	●	●	▲	▲	●							0.4	7.94	3.18	3.4
		TPMT16T304-PSF	●	●	▲	▲	●							0.4	9.525	3.97	4.4
	PF	TPMT110204-PF						●	●		●			0.4	6.35	2.38	2.8
		TPMT110208-PF							●		●			0.8	6.35	2.38	2.8
		TPMT110302-PF						●			●			0.2	6.35	3.18	3.4
		TPMT110304-PF						●	●		●			0.4	6.35	3.18	3.4
		TPMT130304-PF							●		●			0.4	7.94	3.18	3.4
		TPMT130308-PF									●			0.8	7.94	3.18	3.4
		TPMT16T304-PF							●		●			0.4	9.525	3.97	4.4







● : Line up
▲ : To be discontinued

Reference pages: Mounting hole specification → B147
Internal toolholder → D043 - Cartridge → K193 -
Boring bar tool → K209 - Top-borer tool → K213

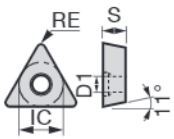
Insert POSITIVE TYPE

● : Continuous cutting
c : Light interrupted cutting
✠ : Heavy interrupted cutting

TP

Triangular, 60°
with hole
Positive 11°

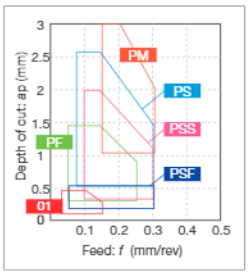
		T9215	T9225	T9115	T9125	T6120	T6130	AH630	AH645	AH120	AH725	GH730	GT9530	AT9530	NS9530
P	Steel	●c	c✠	●c	c✠	c	✠	c✠	✠	●c	c	c	●c	●c	●c
M	Stainless	●c				●	c	c	✠	●c	c	c			
K	Cast iron	●c		●c						●c	c	c	●c	●c	●c
N	Non-ferrous														
S	Superalloy									●c	●				
H	Hard material														

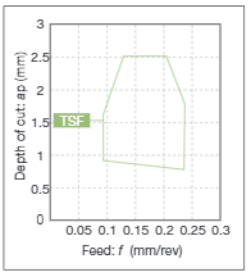


Application	Chipbreaker	Designation	Coated											Coated cermet		Cermet	Dimension (mm)			
			T9215	T9225	T9115	T9125	T6120	T6130	AH630	AH645	AH120	AH725	GH730	GT9530	AT9530	NS9530	RE	IC	S	D1
Finishing to light cutting	PSS	TPMT090204-PSS	●	●	▲	▲	●	●	●	●		●		●		●	0.4	5.56	2.38	2.5
		TPMT090208-PSS	●	●	▲	▲	●	●	●	●		●		●		●	0.8	5.56	2.38	2.5
		TPMT110204-PSS	●	●	▲	▲	●	●	●	●		●		●		●	0.4	6.35	2.38	2.8
		TPMT110208-PSS	●	●	▲	▲	●	●	●	●		●		●		●	0.8	6.35	2.38	2.8
		TPMT110304-PSS	●	●	▲	▲	●	●	●	●		●					0.4	6.35	3.18	3.4
		TPMT110308-PSS	●	●	▲	▲	●	●	●	●		●					0.8	6.35	3.18	3.4
		TPMT130304-PSS	●	●	▲	▲	●	●	●	●		●					0.4	7.94	3.18	3.4
		TPMT130308-PSS	●	●	▲	▲	●	●	●	●		●		●		●	0.8	7.94	3.18	3.4
		TPMT16T304-PSS	●	●	▲	▲	●	●	●	●		●		●		●	0.4	9.525	3.97	4.4
		TPMT16T308-PSS	●	●	▲	▲	●	●	●	●		●		●		●	0.8	9.525	3.97	4.4
Finishing to medium cutting	PS	TPMT090202-PS	●	●	▲	▲	●	●	●	●		●	●	●	●	●	0.2	5.56	2.38	2.5
		TPMT090204-PS	●	●	▲	▲	●	●	●	●		●	●	●	●	●	0.4	5.56	2.38	2.5
		TPMT090208-PS	●	●	▲	▲	●	●	●	●		●	●	●	●	●	0.8	5.56	2.38	2.5
		TPMT110202-PS	●	●	▲	▲	●	●	●	●		●	●	●	●	●	0.2	6.35	2.38	2.8
		TPMT110204-PS	●	●	▲	▲	●	●	●	●	●	●	●	●	●	●	0.4	6.35	2.38	2.8
		TPMT110208-PS	●	●	▲	▲	●	●	●	●	●	●	●	●	●	●	0.8	6.35	2.38	2.8
		TPMT110304-PS	●	●	▲	▲	●	●	●	●		●	●	●	●	●	0.4	6.35	3.18	3.4
		TPMT110308-PS	●	●	▲	▲	●	●	●	●		●	●	●	●	●	0.8	6.35	3.18	3.4
		TPMT130302-PS	●	●	▲	▲						●		●	●	●	0.2	7.94	3.18	3.4
		TPMT130304-PS	●	●	▲	▲	●	●	●	●		●		●	●	●	0.4	7.94	3.18	3.4
		TPMT130308-PS	●	●	▲	▲	●	●	●	●		●		●	●	●	0.8	7.94	3.18	3.4
		TPMT16T304-PS	●	●	▲	▲	●	●	●	●		●		●	●	●	0.4	9.525	3.97	4.4
		TPMT16T308-PS	●	●	▲	▲	●	●	●	●		●		●	●	●	0.8	9.525	3.97	4.4
	TSF	TPMT110204-TSF	●	●													0.4	6.35	2.38	2.8
		TPMT110208-TSF	●	●													0.8	6.35	2.38	2.8
		TPMT110304-TSF	●	●													0.4	6.35	3.18	2.8
		TPMT110308-TSF	●	●													0.8	6.35	3.18	2.8
		TPMT16T304-TSF	●	●													0.4	9.525	3.97	4.4
		TPMT16T308-TSF	●	●													0.8	9.525	3.97	4.4

● : Line up
▲ : To be discontinued

Chip control range





Reference pages: Mounting hole specification → B147
Internal toolholder → D043 - Cartridge → K193 -
Boring bar tool → K209 - Top-borer tool → K213

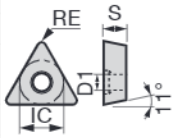
Insert POSITIVE TYPE

● : Continuous cutting
ⓒ : Light interrupted cutting
✠ : Heavy interrupted cutting

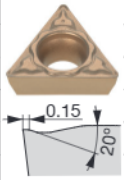
TP

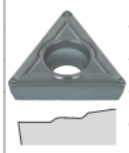
Triangular, 60°
with hole
Positive 11°

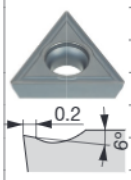
		T9215	T9225	T9125	GH110	SH725	SH730	GT9530	NS9530	TH10	UX30
		Coated						Coated cermet	Cermet	Uncoated	
P	Steel	ⓒ✠	●ⓒ	ⓒ✠	●	●ⓒ	●ⓒ	●ⓒ	●ⓒ	●	ⓒ
M	Stainless		●ⓒ		●	●ⓒ	●ⓒ			●	ⓒ
K	Cast iron		●ⓒ		●			●ⓒ	●ⓒ	●	
N	Non-ferrous									●	
S	Superalloy				●		●ⓒ				
H	Hard material										

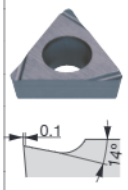


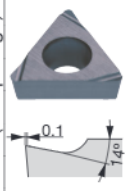
Application	Chipbreaker	Designation	T9215	T9225	T9125	GH110	SH725	SH730	GT9530	NS9530	TH10	UX30	RE	IC	S	D1
Finishing to medium cutting	TM	TPMT110204-TM	●	●									0.4	6.35	2.38	2.8
		TPMT110208-TM	●	●									0.8	6.35	2.38	2.8
		TPMT110304-TM	●	●									0.4	6.35	3.18	3.4
		TPMT110308-TM	●	●									0.8	6.35	3.18	3.4
		TPMT16T304-TM	●	●									0.4	9.525	3.97	4.4
		TPMT16T308-TM	●	●									0.8	9.525	3.97	4.4
	23	TPMT090202-23								●			0.2	5.56	2.38	2.5
		TPMT090204-23		●	▲					●			0.4	5.56	2.38	2.5
		TPMT110204-23		●	▲					●			0.4	6.35	2.38	2.8
		TPMT130304-23		●	▲					●			0.4	7.94	3.18	3.4
		TPMT130308-23		●	▲					●			0.8	7.94	3.18	3.4
		TPMT16T304-23								●			0.4	9.525	3.97	4.4
		TPMT16T308-23		●	▲					●			0.8	9.525	3.97	4.4
Medium cutting	24	TPMT090204-24		●	▲					●			0.4	5.56	2.38	2.5
		TPMT110204-24		●	▲					●			0.4	6.35	2.38	2.8
		TPMT110208-24								●			0.8	6.35	2.38	2.8
		TPMT130304-24		●	▲					●			0.4	7.94	3.18	3.4
		TPMT130308-24		●	▲					●			0.8	7.94	3.18	3.4
		TPMT16T304-24		●	▲					●			0.4	9.525	3.97	4.4
		TPMT16T308-24		●	▲					●			0.8	9.525	3.97	4.4
Finishing	W08	TPGT070100R-W08						●			●		0.03	4.37	1.59	2.58
		TPGT070100L-W08						●			●		0.03	4.37	1.59	2.58
		TPGT070101R-W08						●			●		0.1	4.37	1.59	2.58
		TPGT070101L-W08						●			●		0.1	4.37	1.59	2.58
		TPGT070102R-W08						●			●		0.2	4.37	1.59	2.58
		TPGT070102L-W08						●			●		0.2	4.37	1.59	2.58
		TPGT070104R-W08						●			●		0.4	4.37	1.59	2.58
		TPGT070104L-W08						●			●		0.4	4.37	1.59	2.58
		TPGT080200L-W08							●	●			0.03	4.76	2.38	2.3
		TPGT080202L-W08				●			●	●	●	●	0.2	4.76	2.38	2.3
		TPGT080204L-W08				●			●	●	●	●	0.4	4.76	2.38	2.3
Finishing (sharp edge)	W08	TPGT070100FL-W08					●						0.03	4.37	1.59	2.58
		TPGT070100FR-W08					●						0.03	4.37	1.59	2.58
		TPGT070101FL-W08					●						0.1	4.37	1.59	2.58
		TPGT070101FR-W08					●						0.1	4.37	1.59	2.58
		TPGT070102FL-W08					●						0.2	4.37	1.59	2.58
		TPGT070102FR-W08					●						0.2	4.37	1.59	2.58
		TPGT070104FL-W08					●						0.4	4.37	1.59	2.58
		TPGT070104FR-W08					●						0.4	4.37	1.59	2.58











● : Line up
▲ : To be discontinued

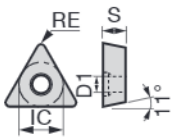
Reference pages: Mounting hole specification → B147
Internal toolholder → D043 - Cartridge → K193 -
Top-borer tool → K213

● : Continuous cutting
◐ : Light interrupted cutting
✠ : Heavy interrupted cutting

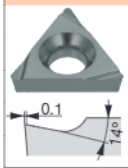
TP

Triangular, 60°
with hole
Positive 11°

		GH110	GH330	GT9530	NS9530	TH10	UX30
P	Steel	●	●◐	●◐	●◐	●	◐
M	Stainless	●	●◐			●	◐
K	Cast iron	●	●◐	●◐	●◐	●	
N	Non-ferrous					●	
S	Superalloy	●					
H	Hard material						

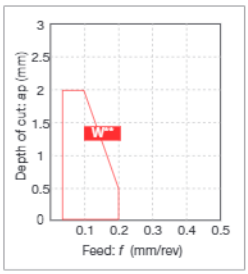


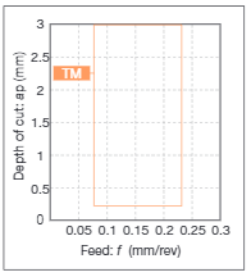
Application	Chipbreaker	Designation	Coated		Coated cermet	Cermet	Uncoated		Dimension (mm)			
			GH110	GH330	GT9530	NS9530	TH10	UX30	RE	IC	S	D1
Finishing	W10	TPGH080202L-W10			●	●			0.2	4.76	2.38	2.3
		TPGH080204L-W10			●	●			0.4	4.76	2.38	2.3
		TPGH090204L-W10			●	●			0.4	5.56	2.38	3
	W13	TPGH110204L-W13			●	●			0.4	6.35	2.38	3.4
		TPGH110302L-W13			●	●			0.2	6.35	3.18	3.4
		TPGH110304L-W13			●	●			0.4	6.35	3.18	3.4
	W15	TPGT090202R-W15				●			0.2	5.56	2.38	2.5
		TPGT090202L-W15			●	●	●		0.2	5.56	2.38	2.5
		TPGT090204R-W15				●			0.4	5.56	2.38	2.5
		TPGT090204L-W15	●	●	●	●	●	●	0.4	5.56	2.38	2.5
		TPGT110202R-W15				●			0.2	6.35	2.38	2.8
		TPGT110202L-W15			●	●	●		0.2	6.35	2.38	2.8
		TPGT110204L-W15	●	●	●	●	●	●	0.4	6.35	2.38	2.8
		TPGT110208R-W15				●			0.8	6.35	2.38	2.8
		TPGT110208L-W15						●	0.8	6.35	2.38	2.8
		TPGT110302L-W15				●			0.2	6.35	3.18	3.4
		TPGT110304R-W15				●			0.4	6.35	3.18	3.4
		TPGT110304L-W15				●			0.4	6.35	3.18	3.4
		TPGT110308L-W15				●			0.8	6.35	3.18	3.4
		TPGT130302R-W15				●			0.2	7.94	3.18	3.4
		TPGT130302L-W15			●	●	●		0.2	7.94	3.18	3.4
		TPGT130304R-W15	●			●			0.4	7.94	3.18	3.4
		TPGT130304L-W15	●	●	●	●	●	●	0.4	7.94	3.18	3.4
		TPGT130308L-W15				●	●		0.8	7.94	3.18	3.4
		TPGT16T302R-W15				●			0.2	9.525	3.97	4.4
		TPGT16T302L-W15			●	●	●		0.2	9.525	3.97	4.4
		TPGT16T304R-W15				●	●		0.4	9.525	3.97	4.4
		TPGT16T304L-W15	●	●	●	●	●	●	0.4	9.525	3.97	4.4
		TPGT16T308L-W15				●	●	●	0.8	9.525	3.97	4.4



● : Line up

Chip control range





Reference pages: Mounting hole specification → B147
Internal toolholder → D043 - Cartridge → K193 -
Top-borer tool → K213

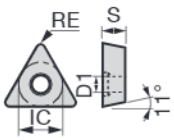
Insert POSITIVE TYPE

● : Continuous cutting
ⓒ : Light interrupted cutting
✠ : Heavy interrupted cutting

TP

Triangular, 60°
with hole
Positive 11°

		T9215	T9225	T9115	T9125	T6120	T6130	AH630	AH645	T515	T5115	AH120	AH725	GH330	GH730	GT9530	NS9530
P	Steel	●ⓒ	ⓒ✠	●ⓒ	ⓒ✠	ⓒ	✠	ⓒ✠	✠			●ⓒ	ⓒ	●ⓒ	ⓒ	●ⓒ	●ⓒ
M	Stainless	●ⓒ				●	ⓒ	ⓒ	✠			●ⓒ	ⓒ	●ⓒ	ⓒ		
K	Cast iron	●ⓒ		●ⓒ						●ⓒ	ⓒ	●ⓒ	ⓒ	●ⓒ	ⓒ	●ⓒ	●ⓒ
N	Non-ferrous																
S	Superalloy											●ⓒ	●				
H	Hard material																



Application	Chipbreaker	Designation	T9215	T9225	T9115	T9125	T6120	T6130	AH630	AH645	T515	T5115	AH120	AH725	GH330	GH730	GT9530	NS9530	RE	IC	S	D1
			Coated														Coated cermet	Cermet	Dimension (mm)			
Medium cutting	PM	TPMT090204-PM					●	●	●	●				●					0.4	5.56	2.38	2.5
		TPMT090208-PM					●	●	●	●				●					0.8	5.56	2.38	2.5
		TPMT110204-PM	●	●	▲	▲	●	●	●	●				●		●	●	●	0.4	6.35	2.38	2.8
		TPMT110208-PM	●	●	▲	▲	●	●	●	●			●	●		●			0.8	6.35	2.38	2.8
		TPMT110304-PM	●	●	▲	▲	●	●	●	●				●		●	●	●	0.4	6.35	3.18	3.4
		TPMT110308-PM	●	●	▲	▲	●	●	●	●				●		●			0.8	6.35	3.18	3.4
		TPMT130304-PM		●		▲	●	●	●	●				●				●	0.4	7.94	3.18	3.4
		TPMT130308-PM		●		▲	●	●	●	●				●			●	●	0.8	7.94	3.18	3.4
		TPMT16T304-PM		●		▲	●	●	●	●				●				●	0.4	9.525	3.97	4.4
		TPMT16T308-PM		●		▲	●	●	●	●				●					0.8	9.525	3.97	4.4
		TPMT16T312-PM		●		▲	●	●	●	●				●					1.2	9.525	3.97	4.4
Finishing to medium cutting	CM	TPMT090204-CM										●							0.4	5.56	2.38	2.5
		TPMT090208-CM										●							0.8	5.56	2.38	2.5
		TPMT110204-CM										●							0.4	6.35	2.38	2.8
		TPMT110208-CM										●							0.8	6.35	2.38	2.8
		TPMT110304-CM										●							0.4	6.35	3.18	3.4
		TPMT110308-CM										●							0.8	6.35	3.18	3.4
		TPMT130304-CM										●							0.4	7.94	3.18	3.4
		TPMT130308-CM										●							0.8	7.94	3.18	3.4
		TPMT16T304-CM									●	●							0.4	9.525	3.97	4.4
		TPMT16T308-CM									●	●							0.8	9.525	3.97	4.4
		TPMT16T312-CM									●	●							1.2	9.525	3.97	4.4
	SS	TPGT110202-SS																●	0.2	6.35	2.38	2.8
		TPGT110204-SS													●			●	0.4	6.35	2.38	2.8
		TPGT130302-SS																●	0.2	7.94	3.18	3.4
		TPGT130304-SS													●			●	0.4	7.94	3.18	3.4
		TPGT16T304-SS													●			●	0.4	9.525	3.97	4.4
	H11	TPGH110302L-H11															●	●	0.2	6.35	3.18	3.4
		TPGH110304L-H11															●	●	0.4	6.35	3.18	3.4

● : Line up
▲ : To be discontinued

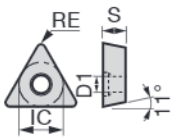
Reference pages: Mounting hole specification → B147
Internal toolholder → D043 -
Boring bar tool → K209 -
Cartridge → K193 -
Top-borer tool → K213

● : Continuous cutting
ⓒ : Light interrupted cutting
✠ : Heavy interrupted cutting

TP

Triangular, 60° with hole Positive 11°

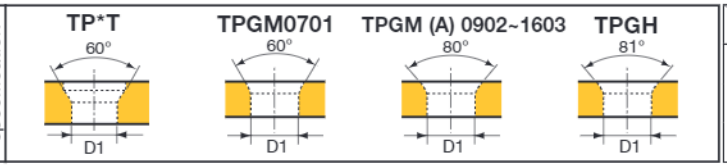
		T5115	NS9530	TH10	UX30
P	Steel		●ⓒ	●	ⓒ
M	Stainless			●	ⓒ
K	Cast iron	ⓒ	●ⓒ	●	
N	Non-ferrous			●	
S	Superalloy				
H	Hard material				



Application	Chipbreaker	Designation	Coated T5115	Cermet NS9530	Uncoated TH10	Uncoated UX30	RE	IC	S	D1
Finishing to medium cutting	-	TPGM070102R		●			0.2	4.37	1.59	2.7
		TPGM070102L		●	●		0.2	4.37	1.59	2.7
		TPGM070104R		●			0.4	4.37	1.59	2.7
		TPGM070104L		●	●		0.4	4.37	1.59	2.7
		TPGM090202R		●			0.2	5.56	2.38	3.2
		TPGM090202L		●			0.2	5.56	2.38	3.2
		TPGM090204L		●			0.4	5.56	2.38	3.2
	(Tungaloy standard hole specification) ISO non-compliant	TPGM110202R		●			0.2	6.35	2.38	3
		TPGM110202L		●		●	0.2	6.35	2.38	3
		TPGM110204R		●			0.4	6.35	2.38	3
		TPGM110204L		●		●	0.4	6.35	2.38	3
		TPGM110302R		●			0.2	6.35	3.18	3
	TPGM...R/L	TPGM110302L		●			0.2	6.35	3.18	3
		TPGM110302L-2			●		0.2	6.35	3.18	3
		TPGM110304R		●			0.4	6.35	3.18	3
		TPGM110304L		●		●	0.4	6.35	3.18	3
		TPGM110304L-2			●		0.4	6.35	3.18	3
		TPGM160302L		●			0.2	9.525	3.18	4
		TPGM160304R		●			0.4	9.525	3.18	4
		TPGM160304L		●		●	0.4	9.525	3.18	4
		TPGM160304L-2			●		0.4	9.525	3.18	4
	-	TPMW110204	●				0.4	6.35	2.38	2.8
		TPMW110208	●				0.8	6.35	2.38	2.8
		TPMW130304	●				0.4	7.94	3.18	3.4
		TPMW130308	●				0.8	7.94	3.18	3.4
		TPMW16T304	●				0.4	9.525	3.97	4.4
		TPMW16T308	●				0.8	9.525	3.97	4.4

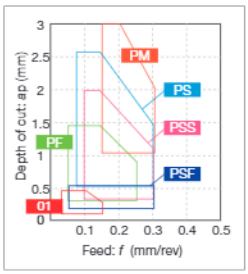
● : Line up

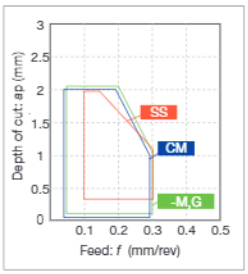
Mounting hole specification



D1 (mm)	0701**	0802**	0902**	1102**	1103**	1303**	1603**	16T3**
TP*T(W)	-	2.3	2.5	2.8	3.4	3.4	-	4.4
TPGM(A)	2.7	-	3.2	3.0	3.0	-	4.0	-
TPGH	-	2.3	3.0	3.4	3.4	-	4.5	-

Chip control range





*-M,G: Without chipbreaker

Reference pages: Internal toolholder → D043 - Cartridge → K193 -
Boring bar tool → K209 -

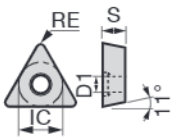
Insert POSITIVE TYPE

● : Continuous cutting
◐ : Light interrupted cutting
✠ : Heavy interrupted cutting

TP

Triangular, 60° with hole
Positive 11°

		GH110	SH725	SH730	NS9530	TH10
P	Steel	●	●◐	●◐	●◐	●
M	Stainless	●	●◐	●◐		●
K	Cast iron	●			●◐	●
N	Non-ferrous					●
S	Superalloy	●		●◐		
H	Hard material					



Application	Chipbreaker	Designation	Coated GH110	Coated SH725	Coated SH730	Cermet NS9530	Uncoated TH10	Dimension (mm) RE	IC	S	D1
Finishing to medium cutting	- (Tungaloy standard hole specification) ISO non-compliant	TPGA090204					●	0.4	5.56	2.38	3.2
		TPGA110202				●	●	0.2	6.35	2.38	3
		TPGA110204					●	0.4	6.35	2.38	3
		TPGA110302				●	●	0.2	6.35	3.18	3
		TPGA110304					●	0.4	6.35	3.18	3
		TPGA160304				●	●	0.4	9.525	3.18	4
		TPGA160308					●	0.8	9.525	3.18	4
	-	TPGW090202					●	0.2	5.56	2.38	2.5
		TPGW090204					●	0.4	5.56	2.38	2.5
		TPGW110202					●	0.2	6.35	2.38	2.8
		TPGW110204	●				●	0.4	6.35	2.38	2.8
		TPGW110304					●	0.4	6.35	3.18	3.4
		TPGW130304					●	0.4	7.94	3.18	3.4
		TPGW16T304	●				●	0.4	9.525	3.97	4.4
		TPGW16T308					●	0.8	9.525	3.97	4.4
For internal turning on Swiss lathes	JS	TPGT070101-JS			●			<0.1	4.37	1.59	2.58
		TPGT070102-JS			●			<0.2	4.37	1.59	2.58
		TPGT070104-JS			●			<0.4	4.37	1.59	2.58
For internal turning on Swiss lathes (sharp edge)	JS	TPGT070101F-JS		●				<0.1	4.37	1.59	2.58
		TPGT070102F-JS		●				<0.2	4.37	1.59	2.58
		TPGT070104F-JS		●				<0.4	4.37	1.59	2.58

*Corner radius (RE) with a sign of inequality (<) means minus tolerance.

● : Line up

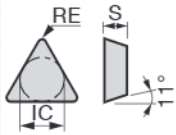
Reference pages: Internal toolholder → D043 - Cartridge → K193 -
Boring bar tool → K209 -

● : Continuous cutting
ⓒ : Light interrupted cutting
✠ : Heavy interrupted cutting

TP

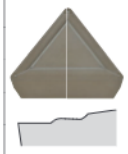
Triangular, 60°
without hole
Positive 11°

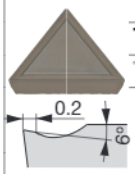
		T9215	T9225	T9115	T9125	T5115	AH725	NS9530	TH10
		Coated						Cermet	Uncoated
P	Steel	●ⓒ	ⓒ✠	●ⓒ	ⓒ✠		ⓒ	●ⓒ	●
M	Stainless	●ⓒ					ⓒ		●
K	Cast iron	●ⓒ		●ⓒ		ⓒ	ⓒ	●ⓒ	●
N	Non-ferrous								●
S	Superalloy						●		
H	Hard material								

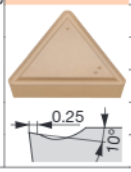


Application	Chipbreaker	Designation	T9215	T9225	T9115	T9125	T5115	AH725	NS9530	TH10	RE	IC	S	D1
Finishing to medium cutting	PS	TPMR110304-PS		●		▲					0.4	6.35	3.18	-
		TPMR110308-PS		●		▲					0.8	6.35	3.18	-
		TPMR160304-PS		●		▲					0.4	9.525	3.18	-
		TPMR160308-PS		●		▲					0.8	9.525	3.18	-
	23	TPMR110304-23	●	●	▲	▲			●		0.4	6.35	3.18	-
		TPMR110308-23		●		▲			●	●	0.8	6.35	3.18	-
		TPMR160304-23	●	●	▲	▲			●	●	0.4	9.525	3.18	-
		TPMR160308-23		●		▲			●		0.8	9.525	3.18	-
Medium cutting	24	TPMR110304-24		●		▲			●		0.4	6.35	3.18	-
		TPMR110308-24		●		▲			●		0.8	6.35	3.18	-
		TPMR160304-24	●	●	▲	▲		●	●		0.4	9.525	3.18	-
		TPMR160308-24	●	●	▲	▲			●		0.8	9.525	3.18	-
Finishing to medium cutting	CM	TPMR110304-CM					●				0.4	6.35	3.18	-
		TPMR110308-CM					●				0.8	6.35	3.18	-
		TPMR160304-CM					●				0.4	9.525	3.18	-
		TPMR160308-CM					●				0.8	9.525	3.18	-
		TPMR160312-CM					●				1.2	9.525	3.18	-

Dimension (mm)

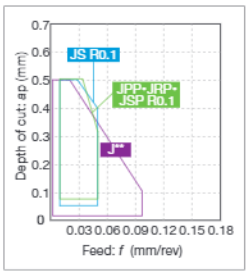




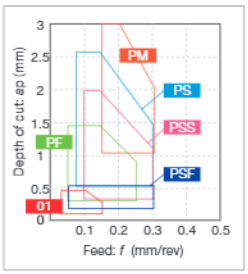


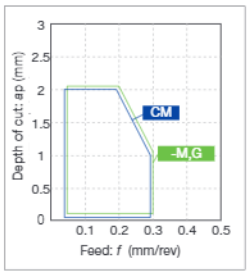
●: Line up
▲: To be discontinued

Chip control range



*Chip control range with typical R0.1





*-M,G: Without chipbreaker

Reference pages: Internal toolholder → D044 - Cartridge → K193 -

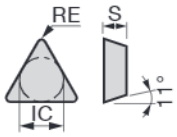
Insert POSITIVE TYPE

● : Continuous cutting
c : Light interrupted cutting
✠ : Heavy interrupted cutting

TP

Triangular, 60° without hole Positive 11°

		T5115	GH110	AH120	NS9530	TH10	UX30	LX21	LX11
P	Steel		●	●c	●c	●	c		
M	Stainless		●	●c		●	c		
K	Cast iron	c	●	●c	●c	●		●	
N	Non-ferrous					●			
S	Superalloy		●	●c					
H	Hard material								●



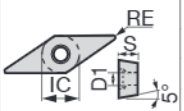
Application	Chipbreaker	Designation	Coated			Cermet	Uncoated		Ceramic		Dimension (mm) RE	IC	S	D1
Finishing to medium cutting	-	TPGR110302L				●					0.2	6.35	3.18	-
		TPGR110304L				●					0.4	6.35	3.18	-
		TPGR160304R				●					0.4	9.525	3.18	-
		TPGR160304L				●					0.4	9.525	3.18	-
		TPGR160308L				●					0.8	9.525	3.18	-
	-	TPMN110304	●				●				0.4	6.35	3.18	-
		TPMN110308	●								0.8	6.35	3.18	-
		TPMN160304	●		●		●	●			0.4	9.525	3.18	-
		TPMN160308	●		●		●	●			0.8	9.525	3.18	-
		TPMN160312	●								1.2	9.525	3.18	-
		TPMN220408						●			0.8	12.7	4.76	-
		TPMN220412						●			1.2	12.7	4.76	-
	-	TPGN110302					●				0.2	6.35	3.18	-
		TPGN110304		●			●		●	●	0.4	6.35	3.18	-
		TPGN110308					●			●	0.8	6.35	3.18	-
		TPGN160302					●				0.2	9.525	3.18	-
		TPGN160304		●		●	●			●	0.4	9.525	3.18	-
		TPGN160308		●		●	●			●	0.8	9.525	3.18	-
		TPGN160312								●	1.2	9.525	3.18	-
		TPGN220404					●				0.4	12.7	4.76	-

● : Line up

VB

Rhombic, 35° with hole Positive 5°

		T9215	T9225	T9115	T9125	AH725	GT9530	NS9530
P	Steel	●c	c✠	●c	c✠	c	●c	●c
M	Stainless	●c				c		
K	Cast iron	●c		●c		c	●c	●c
N	Non-ferrous							
S	Superalloy					●		
H	Hard material							



Application	Chipbreaker	Designation	Coated					Coated cermet	Cermet	Dimension (mm) RE	IC	S	D1
Finishing	PSF	VBMT110302-PSF					●	●	●	0.2	6.35	3.18	2.8
		VBMT110304-PSF	●	●	▲	▲	●	●	●	0.4	6.35	3.18	2.8
		VBMT160402-PSF					●	●	●	0.2	9.525	4.76	4.4
		VBMT160404-PSF	●	●	▲	▲	●	●	●	0.4	9.525	4.76	4.4

● : Line up
▲ : To be discontinued

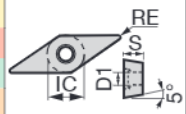
Reference pages: VBMT...: External toolholder → C062
Internal toolholder → D044 - Cartridge → K193 -

● : Continuous cutting
c : Light interrupted cutting
✠ : Heavy interrupted cutting

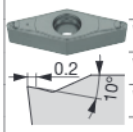
VB

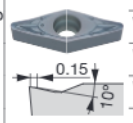
Rhombic, 35°
with hole
Positive 5°

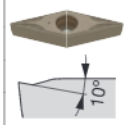
		T9215	T9225	T9115	T9125	T6120	T6130	AH630	AH645	T515	T5115	AH120	AH725	AH8005	AH8015	GT9530	AT9530	NS9530
P	Steel	●c	c✠	●c	c✠	c	✠	c✠	✠			●c	c			●c	●c	●c
M	Stainless	●c				●	c	c	✠			●c	c	●	c			
K	Cast iron	●c		●c						●c	c	●c	c			●c	●c	●c
N	Non-ferrous																	
S	Superalloy											●c	●	●	c			
H	Hard material																	

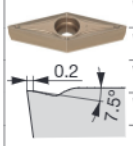


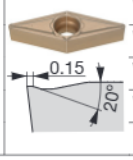
Application	Chipbreaker	Designation	RE	IC	S	D1
Finishing	PF	VBMT110302-PF	0.2	6.35	3.18	2.8
		VBMT110304-PF	0.4	6.35	3.18	2.8
		VBMT110308-PF	0.8	6.35	3.18	2.8
		VBMT160404-PF	0.4	9.525	4.76	4.4
		VBMT160408-PF	0.8	9.525	4.76	4.4
Finishing to light cutting	PSS	VBMT110304-PSS	0.4	6.35	3.18	2.8
		VBMT110308-PSS	0.8	6.35	3.18	2.8
		VBMT160404-PSS	0.4	9.525	4.76	4.4
		VBMT160408-PSS	0.8	9.525	4.76	4.4
		VBMT160412-PSS	1.2	9.525	4.76	4.4
Finishing to medium cutting	PS	VBMT110302-PS	0.2	6.35	3.18	2.8
		VBMT110304-PS	0.4	6.35	3.18	2.8
		VBMT110308-PS	0.8	6.35	3.18	2.8
		VBMT160402-PS	0.2	9.525	4.76	4.4
		VBMT160404-PS	0.4	9.525	4.76	4.4
		VBMT160408-PS	0.8	9.525	4.76	4.4
	TSF	VBMT110302-TSF	0.2	6.35	3.18	2.8
		VBMT110304-TSF	0.4	6.35	3.18	2.8
		VBMT110308-TSF	0.8	6.35	3.18	2.8
		VBMT160404-TSF	0.4	9.525	4.76	4.4
		VBMT160408-TSF	0.8	9.525	4.76	4.4
	TM	VBMT110302-TM	0.2	6.35	3.18	2.8
		VBMT110304-TM	0.4	6.35	3.18	2.8
		VBMT110308-TM	0.8	6.35	3.18	2.8
		VBMT160404-TM	0.4	9.525	4.76	4.4
		VBMT160408-TM	0.8	9.525	4.76	4.4





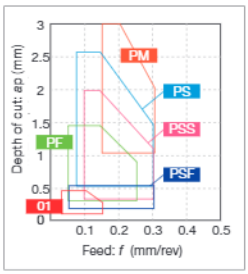


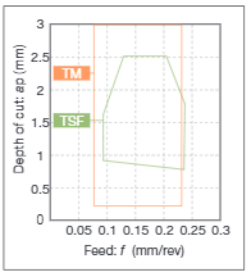




● : Line up
▲ : To be discontinued

Chip control range





Reference pages: External toolholder → C062 Internal toolholder → D036 -
J-Series toolholder → G033 -

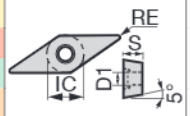
Insert POSITIVE TYPE

● : Continuous cutting
c : Light interrupted cutting
✠ : Heavy interrupted cutting

VB

Rhombic, 35°
with hole
Positive 5°

		T9215	T9225	T9115	T9125	T515	T5115	AH725	SH725	SH730	J740	J9530	NS9530	TH10
		Coated										Coated cermet	Cermet	Uncoated
P	Steel	●c	c✠	●c	c✠			c	●c	●c	●c	●c	●c	●
M	Stainless	●c						c	●c	●c	●c			●
K	Cast iron	●c		●c		●c	c	c				●c	●c	●
N	Non-ferrous													●
S	Superalloy							●		●c				
H	Hard material													



Application	Chipbreaker	Designation	T9215	T9225	T9115	T9125	T515	T5115	AH725	SH725	SH730	J740	J9530	NS9530	TH10	RE	IC	S	D1
Medium cutting	24	VBMT160404-24	●	●	▲	▲								●		0.4	9.525	4.76	4.4
		VBMT160408-24	●	●	▲	▲								●		0.8	9.525	4.76	4.4
Finishing to medium cutting	CM	VBMT110304-CM						●								0.4	6.35	3.18	2.8
		VBMT110308-CM						●								0.8	6.35	3.18	2.8
		VBMT160404-CM					●	●								0.4	9.525	4.76	4.4
		VBMT160408-CM					●	●								0.8	9.525	4.76	4.4
		VBMT160412-CM					●	●								1.2	9.525	4.76	4.4
For external turning on Swiss lathes (sharp edge)	JS	VBGT110300FN-JS								●	●					0.03	6.35	3.18	2.8
		VBGT110301FN-JS								●	●					<0.1	6.35	3.18	2.8
		VBGT110302FN-JS								●	●					<0.2	6.35	3.18	2.8
		VBGT110304FN-JS								●	●					<0.4	6.35	3.18	2.8
For external turning on Swiss lathes	JS	VBGT110301N-JS							●							0.1	6.35	3.18	2.8
		VBGT110302N-JS							●							0.2	6.35	3.18	2.8
		VBGT110304N-JS							●							0.4	6.35	3.18	2.8
For external turning on Swiss lathes (sharp edge)	J10	VBGT110300FR-J10								●		●			●	0.03	6.35	3.18	2.8
		VBGT110300FL-J10								●		●			●	0.03	6.35	3.18	2.8
		VBGT110301FR-J10								●		●		●	●	0.1	6.35	3.18	2.8
		VBGT110301FL-J10								●		●		●	●	0.1	6.35	3.18	2.8
		VBGT110302FR-J10								●		●		●	●	0.2	6.35	3.18	2.8
		VBGT110302FL-J10								●		●		●	●	0.2	6.35	3.18	2.8
		VBGT110304FR-J10								●		●		●	●	0.4	6.35	3.18	2.8
		VBGT110304FL-J10								●		●		●	●	0.4	6.35	3.18	2.8
For external turning on Swiss lathes (honed edge)	J10	VBGT110302R-J10											●			0.2	6.35	3.18	2.8
		VBGT110302L-J10											●			0.2	6.35	3.18	2.8
		VBGT110304R-J10											●			0.4	6.35	3.18	2.8
		VBGT110304L-J10											●			0.4	6.35	3.18	2.8

*Corner radius (RE) with a sign of inequality (<) means minus tolerance.

● : Line up
▲ : To be discontinued

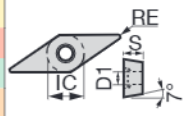
Reference pages: External toolholder → C062 Internal toolholder → D036 -
J-Series toolholder → G033 -

● : Continuous cutting
c : Light interrupted cutting
✠ : Heavy interrupted cutting

VC

Rhombic, 35°
with hole
Positive 7°

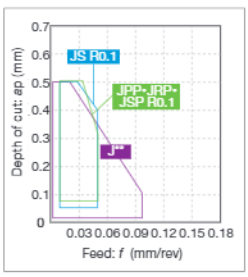
		T9215	T9225	T9115	T9125	T6120	T6130	AH630	AH645	AH120	AH725	AH8005	AH8015	AH905	GT9530	AT9530	NS9530
P	Steel	●c	c✠	●c	c✠	c	✠	c✠	✠	●c	c				●c	●c	●c
M	Stainless	●c				●	c	c	✠	●c	c	●	c				
K	Cast iron	●c		●c						●c	c				●c	●c	●c
N	Non-ferrous																
S	Superalloy									●c	●	●	c	c			
H	Hard material																



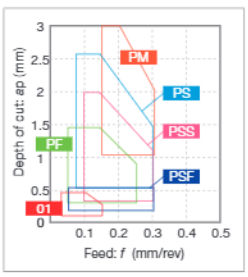
Application	Chipbreaker	Designation	T9215	T9225	T9115	T9125	T6120	T6130	AH630	AH645	AH120	AH725	AH8005	AH8015	AH905	GT9530	AT9530	NS9530	RE	IC	S	D1
			Coated													Coated cermet		Cermet	Dimension (mm)			
Finishing	PSF	VCMT080202-PSF										●				●		●	0.2	4.76	2.38	2.3
		VCMT080204-PSF	●	●	▲	▲						●				●		●	0.4	4.76	2.38	2.3
		VCMT110302-PSF										●							0.2	6.35	3.18	2.8
		VCMT110304-PSF	●	●	▲	▲						●							0.4	6.35	3.18	2.8
		VCMT160404-PSF	●	●	▲	▲						●	●	●	●	●		●	0.4	9.525	4.76	4.4
		VCMT160408-PSF	●	●	▲	▲						●	●	●	●	●		●	0.8	9.525	4.76	4.4
	PF	VCMT080202-PF														●		●	0.2	4.76	2.38	2.3
		VCMT080204-PF														●		●	0.4	4.76	2.38	2.3
		VCMT160404-PF														●		●	0.4	9.525	4.76	4.4
		VCMT160408-PF														●		●	0.8	9.525	4.76	4.4
Finishing to light cutting	PSS	VCMT110304-PSS	●	●	▲	▲	●	●	●	●		●				●		●	0.4	6.35	3.18	2.8
		VCMT110308-PSS	●	●	▲	▲	●	●	●	●		●				●		●	0.8	6.35	3.18	2.8
		VCMT160404-PSS	●	●	▲	▲	●	●	●	●		●	●	●	●	●		●	0.4	9.525	4.76	4.4
		VCMT160408-PSS	●	●	▲	▲	●	●	●	●		●	●	●	●	●		●	0.8	9.525	4.76	4.4
Finishing to medium cutting	PS	VCMT110302-PS	●	●	▲	▲	●	●	●	●		●	●	●		●	●	●	0.2	6.35	3.18	2.8
		VCMT110304-PS	●	●	▲	▲	●	●	●	●		●	●	●		●	●	●	0.4	6.35	3.18	2.8
		VCMT110308-PS	●	●	▲	▲	●	●	●	●		●	●	●		●	●	●	0.8	6.35	3.18	2.8
		VCMT160404-PS	●	●	▲	▲	●	●	●	●	●	●	●	●	●	●	●	●	0.4	9.525	4.76	4.4
		VCMT160408-PS	●	●	▲	▲	●	●	●	●	●	●	●	●	●	●	●	●	0.8	9.525	4.76	4.4
	TSF	VCMT160404-TSF	●	●															0.4	9.525	4.76	4.4
		VCMT160408-TSF	●	●															0.8	9.525	4.76	4.4
	TM	VCMT160404-TM	●	●															0.4	9.525	4.76	4.4
		VCMT160408-TM	●	●															0.8	9.525	4.76	4.4

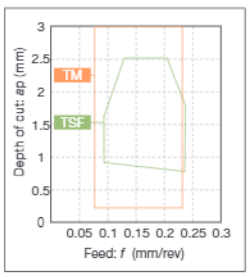
● : Line up
▲ : To be discontinued

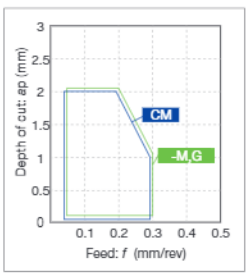
Chip control range



*Chip control range with typical R0.1







*-M,G: Without chipbreaker

Reference pages: External toolholder → C063 - Internal toolholder → D037 -
TungCap → K016 -

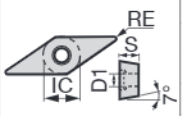
Insert POSITIVE TYPE

● : Continuous cutting
ⓒ : Light interrupted cutting
✠ : Heavy interrupted cutting

VC

Rhombic, 35° with hole
Positive 7°

P	Steel	●ⓒ	ⓒ✠	●ⓒ	ⓒ✠									●ⓒ													
M	Stainless	●ⓒ						●	ⓒ																		
K	Cast iron	●ⓒ		●ⓒ		●ⓒ	ⓒ							●ⓒ				●									
N	Non-ferrous																	●									
S	Superalloy							●	ⓒ	ⓒ								●									
H	Hard material																										



Application	Chipbreaker	Designation	Coated										Cermet				Uncoated										Dimension (mm)			
			T9215	T9225	T9115	T9125	T515	T5115	AH8005	AH8015	AH905		NS9530				KS05F										RE	IC	S	D1
Finishing to medium cutting	24	VCMT160404-24	●	●	▲	▲							●														0.4	9.525	4.76	4.4
		VCMT160408-24	●	●	▲	▲							●														0.8	9.525	4.76	4.4
	CM	VCMT080204-CM						●																			0.4	4.76	2.38	2.3
		VCMT160404-CM					●	●																			0.4	9.525	4.76	4.4
		VCMT160408-CM					●	●																			0.8	9.525	4.76	4.4
		VCMT160412-CM						●																			1.2	9.525	4.76	4.4
Medium cutting	All-round	VCMT160404							●	●	●																0.4	9.525	4.76	4.4
		VCMT160408							●	●	●																0.8	9.525	4.76	4.4
		VCMT160412							●	●	●																1.2	9.525	4.76	4.4
Finishing to medium cutting	AL	VCGT160404-AL															●										0.4	9.525	4.76	4.4
		VCGT160408-AL															●										0.8	9.525	4.76	4.4
		VCGT160412-AL															●										1.2	9.525	4.76	4.4
		VCGT220520-AL															●										2	12.7	5.56	5.5
		VCGT220530-AL															●										3	12.7	5.56	5.5

● : Line up
▲ : To be discontinued

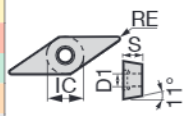
Reference pages: VC*T...: External toolholder → C063 - Internal toolholder → D037 -

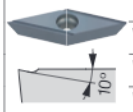
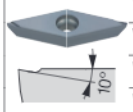
● : Continuous cutting
◐ : Light interrupted cutting
✠ : Heavy interrupted cutting

VP

Rhombic, 35°
with hole
Positive 11°

		SH725	SH730
P	Steel	●◐	●◐
M	Stainless	●◐	●◐
K	Cast iron		
N	Non-ferrous		
S	Superalloy		●◐
H	Hard material		

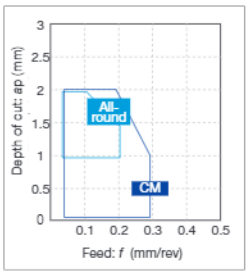


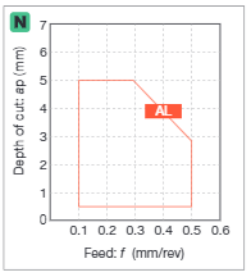
Application	Chipbreaker	Designation	Coated SH725	Coated SH730	Dimension (mm) RE	IC	S	D1
For external turning on Swiss lathes (sharp edge)	JPP	VPET0802008MFR-JPP	●	●	<0.08	4.76	2.38	2.3
		VPET0802008MFL-JPP	●	●	<0.08	4.76	2.38	2.3
		VPET080201MFR-JPP	●	●	<0.1	4.76	2.38	2.3
		VPET080201MFL-JPP	●	●	<0.1	4.76	2.38	2.3
		VPET0802018MFR-JPP	●	●	<0.18	4.76	2.38	2.3
		VPET0802018MFL-JPP	●	●	<0.18	4.76	2.38	2.3
		VPET080202MFR-JPP	●	●	<0.2	4.76	2.38	2.3
		VPET080202MFL-JPP	●	●	<0.2	4.76	2.38	2.3
		VPET1103008MFR-JPP	●	●	<0.08	6.35	3.18	2.8
		VPET1103008MFL-JPP	●	●	<0.08	6.35	3.18	2.8
		VPET110301MFR-JPP	●	●	<0.1	6.35	3.18	2.8
		VPET110301MFL-JPP	●	●	<0.1	6.35	3.18	2.8
		VPET1103018MFR-JPP	●	●	<0.18	6.35	3.18	2.8
		VPET1103018MFL-JPP	●	●	<0.18	6.35	3.18	2.8
		VPET110302MFR-JPP	●	●	<0.2	6.35	3.18	2.8
		VPET110302MFL-JPP	●	●	<0.2	6.35	3.18	2.8
	JRP	VPET0802008MFR-JRP	●	●	<0.08	4.76	2.38	2.3
		VPET0802008MFL-JRP	●	●	<0.08	4.76	2.38	2.3
		VPET080201MFR-JRP	●	●	<0.1	4.76	2.38	2.3
		VPET080201MFL-JRP	●	●	<0.1	4.76	2.38	2.3
		VPET0802018MFR-JRP	●	●	<0.18	4.76	2.38	2.3
		VPET0802018MFL-JRP	●	●	<0.18	4.76	2.38	2.3
		VPET080202MFR-JRP	●	●	<0.2	4.76	2.38	2.3
		VPET080202MFL-JRP	●	●	<0.2	4.76	2.38	2.3
		VPET1103008MFR-JRP	●	●	<0.08	6.35	3.18	2.8
		VPET1103008MFL-JRP	●	●	<0.08	6.35	3.18	2.8
		VPET110301MFR-JRP	●	●	<0.1	6.35	3.18	2.8
		VPET110301MFL-JRP	●	●	<0.1	6.35	3.18	2.8
		VPET1103018MFR-JRP	●	●	<0.18	6.35	3.18	2.8
		VPET1103018MFL-JRP	●	●	<0.18	6.35	3.18	2.8
		VPET110302MFR-JRP	●	●	<0.2	6.35	3.18	2.8
		VPET110302MFL-JRP	●	●	<0.2	6.35	3.18	2.8

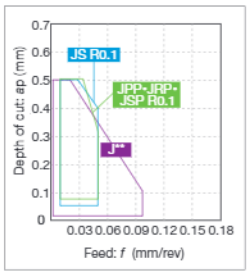
*Corner radius (RE) with a sign of inequality (<) means minus tolerance.

● : Line up

Chip control range







*Chip control range with typical R0.1

Reference pages: VPET...: J-Series toolholder → G022 -

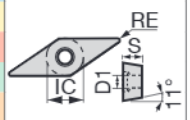
Insert POSITIVE TYPE

● : Continuous cutting
◐ : Light interrupted cutting
✠ : Heavy interrupted cutting

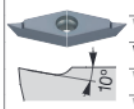
VP

Rhombic, 35° with hole Positive 11°

P	Steel	◐	◐	
M	Stainless	◐	◐	
K	Cast iron			
N	Non-ferrous			
S	Superalloy		◐	
H	Hard material			



Application	Chipbreaker	Designation	Coated SH725	Coated SH730	RE	IC	S	D1
For external turning on Swiss lathes (sharp edge)	JSP	VPET0802008MFN-JSP	●	●	<0.08	4.76	2.38	2.3
		VPET080201MFN-JSP	●	●	<0.1	4.76	2.38	2.3
		VPET0802018MFN-JSP	●	●	<0.18	4.76	2.38	2.3
		VPET080202MFN-JSP	●	●	<0.2	4.76	2.38	2.3
		VPET1103008MFN-JSP	●	●	<0.08	6.35	3.18	2.8
		VPET110301MFN-JSP	●	●	<0.1	6.35	3.18	2.8
		VPET1103018MFN-JSP	●	●	<0.18	6.35	3.18	2.8
		VPET110302MFN-JSP	●	●	<0.2	6.35	3.18	2.8



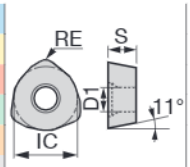
*Corner radius (RE) with a sign of inequality (<) means minus tolerance.

● : Line up

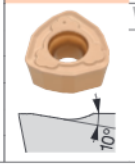
WP

Trigon, 80° with hole Positive 11°

P	Steel	◐	◐✠	◐	◐✠	◐
M	Stainless	◐				◐
K	Cast iron	◐		◐		◐
N	Non-ferrous					
S	Superalloy					◐
H	Hard material					



Application	Chipbreaker	Designation	Coated T9215	Coated T9225	Coated T9115	Coated T9125	Coated AH120	RE	IC	S	D1
Heavy cutting	ML	WPMT090725ZPR-ML	●	●	▲	▲	●	2.5	15	7	5.5
		WPMT090725ZPL-ML	●	●	▲	▲	●	2.5	15	7	5.5



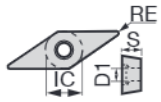
● : Line up
▲ : To be discontinued

Insert POSITIVE TYPE / DOUBLE SIDE

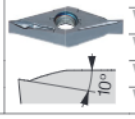
VX

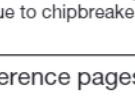
Rhombic, 35° with hole

P	Steel	◐	
M	Stainless	◐	
K	Cast iron		
N	Non-ferrous		
S	Superalloy		
H	Hard material		



Application	Chipbreaker	Designation	Coated SH725	RE	IC	S	D1
Finishing (sharp edge)	JRP	VXGU09T201MFRE-JRP**	●	<0.1	5.56	2.47	2.5
		VXGU09T201MFLE-JRP**	●	<0.1	5.56	2.47	2.5
		VXGU09T202MFRE-JRP**	●	<0.2	5.56	2.47	2.5
		VXGU09T202MFLE-JRP**	●	<0.2	5.56	2.47	2.5
Finishing to medium cutting (sharp edge)	JS	VXGU09T201MFR-JS(1)	●	<0.1	5.56	2.47	2.5
		VXGU09T201MFL-JS(1)	●	<0.1	5.56	2.47	2.5
		VXGU09T202MFR-JS(1)	●	<0.2	5.56	2.47	2.5
		VXGU09T202MFL-JS(1)	●	<0.2	5.56	2.47	2.5
		VXGU09T204MFR-JS(1)	●	<0.4	5.56	2.47	2.5
		VXGU09T204MFL-JS(1)	●	<0.4	5.56	2.47	2.5





*Corner radius (RE) with a sign of inequality (<) means minus tolerance.
** For external turning applications
(1)Due to chipbreaker profile, max ap for face or ID turning is 1 mm

● : Line up

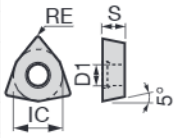
Reference pages: WPMT...: External toolholder → C098 VXGU...: External toolholder → C056 -
VPET... : J-Series toolholder → G022 -

● : Continuous cutting
◐ : Light interrupted cutting
✠ : Heavy interrupted cutting

WB

Trigon, 80°
with hole
Positive 5°

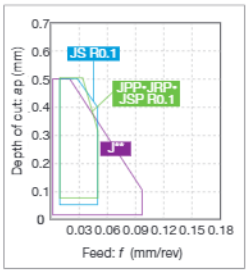
		GH110	SH725	SH730	NS9530	TH10	UX30
P	Steel	●	◐	◐	◐	●	◐
M	Stainless	●	◐	◐		●	◐
K	Cast iron	●			◐	●	
N	Non-ferrous					●	
S	Superalloy	●		◐			
H	Hard material						

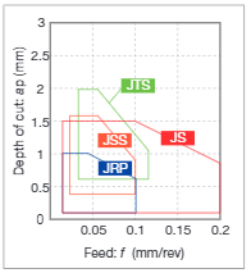


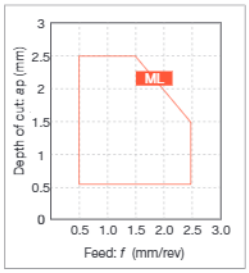
Application	Chipbreaker	Designation	GH110	SH725	SH730	NS9530	TH10	UX30	RE	IC	S	D1
			Coated			Cermet	Uncoated		Dimension (mm)			
Finishing	W08	WBGT030100R-W08			●				0.03	3.97	1.59	2.3
		WBGT030100L-W08			●	●	●	●	0.03	3.97	1.59	2.3
		WBGT030101R-W08			●				0.1	3.97	1.59	2.3
		WBGT030101L-W08			●		●		0.1	3.97	1.59	2.3
		WBGT030102R-W08			●				0.2	3.97	1.59	2.3
		WBGT030102L-W08	●		●	●	●	●	0.2	3.97	1.59	2.3
		WBGT030104R-W08			●				0.4	3.97	1.59	2.3
		WBGT030104L-W08	●		●	●	●	●	0.4	3.97	1.59	2.3
Finishing (sharp edge)	W08	WBGT030100FL-W08		●					0.03	3.97	1.59	2.3
		WBGT030100FR-W08		●					0.03	3.97	1.59	2.3
		WBGT030101FL-W08		●					0.1	3.97	1.59	2.3
		WBGT030101FR-W08		●					0.1	3.97	1.59	2.3
		WBGT030102FL-W08		●					0.2	3.97	1.59	2.3
		WBGT030102FR-W08		●					0.2	3.97	1.59	2.3
		WBGT030104FL-W08		●					0.4	3.97	1.59	2.3
		WBGT030104FR-W08		●					0.4	3.97	1.59	2.3

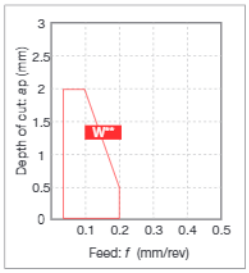
● : Line up

Chip control range









*Chip control range with typical R0.1

Reference pages: Internal toolholder → D075 Top-borer tool → K213

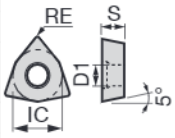
Insert POSITIVE TYPE

● : Continuous cutting
◐ : Light interrupted cutting
✠ : Heavy interrupted cutting

WB

Trigon, 80°
with hole
Positive 5°

		GH110	SH725	SH730	NS9530
P	Steel	●	●◐	●◐	●◐
M	Stainless	●	●◐	●◐	
K	Cast iron	●			●◐
N	Non-ferrous				
S	Superalloy	●		●◐	
H	Hard material				



Application	Chipbreaker	Designation	Coated			Cermet	Dimension (mm) RE	IC	S	D1
			GH110	SH725	SH730	NS9530				
Finishing (sharp edge)	W11	WBGT060102L-W11	●			●	0.2	3.97	1.59	2.3
		WBGT060104L-W11				●	0.4	3.97	1.59	2.3
		WBGT080202L-W11				●	0.2	4.76	2.38	2.3
		WBGT080204L-W11				●	0.4	4.76	2.38	2.3
For internal turning on Swiss lathes	JS	WBGT030101R-JS			●		<0.1	3.97	1.59	2.3
		WBGT030101L-JS			●		<0.1	3.97	1.59	2.3
		WBGT030102R-JS			●		<0.2	3.97	1.59	2.3
		WBGT030102L-JS			●		<0.2	3.97	1.59	2.3
		WBGT030104R-JS			●		<0.4	3.97	1.59	2.3
		WBGT030104L-JS			●		<0.4	3.97	1.59	2.3
For internal turning on Swiss lathes (sharp edge)	JS	WBGT030101FL-JS		●			<0.1	3.97	1.59	2.3
		WBGT030101FR-JS		●			<0.1	3.97	1.59	2.3
		WBGT030102FL-JS		●			<0.2	3.97	1.59	2.3
		WBGT030102FR-JS		●			<0.2	3.97	1.59	2.3
		WBGT030104FL-JS		●			<0.4	3.97	1.59	2.3
		WBGT030104FR-JS		●			<0.4	3.97	1.59	2.3

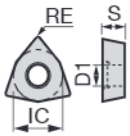
*Corner radius (RE) with a sign of inequality (<) means minus tolerance.

Insert POSITIVE TYPE / DOUBLE SIDE

WX

Trigon, 80°
with hole

		AH725	SH725
P	Steel	◐	●◐
M	Stainless	◐	●◐
K	Cast iron	◐	
N	Non-ferrous		
S	Superalloy	●	
H	Hard material		



Application	Chipbreaker	Designation	Coated		Dimension (mm) RE	IC	S	D1
			AH725	SH725				
Finishing to medium cutting (sharp edge)	JS	WXGU040301MFR-JS(1)		●	<0.1	6.35	3.18	2.7
		WXGU040301MFL-JS(1)		●	<0.1	6.35	3.18	2.7
		WXGU040302MFR-JS(1)		●	<0.2	6.35	3.18	2.7
		WXGU040302MFL-JS(1)		●	<0.2	6.35	3.18	2.7
		WXGU040304MFR-JS(1)		●	<0.4	6.35	3.18	2.7
		WXGU040304MFL-JS(1)		●	<0.4	6.35	3.18	2.7
	JTS	WXGU040301MFR-JTS		●	<0.1	6.35	3.18	2.7
		WXGU040301MFL-JTS		●	<0.1	6.35	3.18	2.7
		WXGU040302MFR-JTS		●	<0.2	6.35	3.18	2.7
		WXGU040302MFL-JTS		●	<0.2	6.35	3.18	2.7
Finishing to medium cutting	JTS	WXGU040301MR-JTS	●		<0.1	6.35	3.18	2.7
		WXGU040301ML-JTS	●		<0.1	6.35	3.18	2.7
		WXGU040302MR-JTS	●		<0.2	6.35	3.18	2.7
		WXGU040302ML-JTS	●		<0.2	6.35	3.18	2.7

*Corner radius (RE) with a sign of inequality (<) means minus tolerance. (1)Due to chipbreaker profile, max ap for face or ID turning is 1 mm

● : Line up

Reference pages: WBGT...: Internal toolholder → D075
WXGU...: External toolholder → C031 -, Internal toolholder → D028

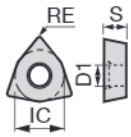
Insert POSITIVE TYPE / DOUBLE SIDE

● : Continuous cutting
◐ : Light interrupted cutting
✠ : Heavy interrupted cutting

WX

Trigon, 80° with hole

		AH725	AH8015	SH725	GT9530	NS9530	KS05F
		Coated			Coated cermet	Cermet	Uncoated
P	Steel	◐	●◐	●◐	●◐	●◐	
M	Stainless	◐	●◐	●◐			
K	Cast iron	◐			●◐	●◐	●
N	Non-ferrous						●
S	Superalloy	●					●
H	Hard material						

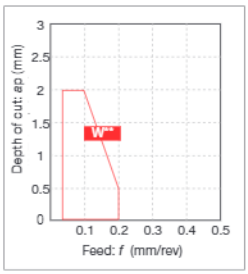


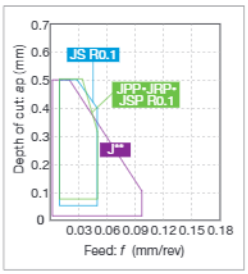
Application	Chipbreaker	Designation	AH725	AH8015	SH725	GT9530	NS9530	KS05F	RE	IC	S	D1
Finishing (low cutting force) (sharp edge)	JSS	WXGU040301MFR-JSS			●				<0.1	6.35	3.18	2.7
		WXGU040301MFL-JSS			●				<0.1	6.35	3.18	2.7
		WXGU040302MFR-JSS			●				<0.2	6.35	3.18	2.7
		WXGU040302MFL-JSS			●				<0.2	6.35	3.18	2.7
Finishing (low cutting force)	JSS	WXGU040301MR-JSS	●						<0.1	6.35	3.18	2.7
		WXGU040301ML-JSS	●						<0.1	6.35	3.18	2.7
		WXGU040302MR-JSS	●						<0.2	6.35	3.18	2.7
		WXGU040302ML-JSS	●						<0.2	6.35	3.18	2.7
Finishing to medium cutting	TS	WXGU040302R-TS	●	●		●	●	●	0.2	6.35	3.18	2.7
		WXGU040302L-TS	●	●		●	●	●	0.2	6.35	3.18	2.7
		WXGU040304R-TS	●	●		●	●	●	0.4	6.35	3.18	2.7
		WXGU040304L-TS	●	●		●	●	●	0.4	6.35	3.18	2.7
		WXGU040308R-TS	●	●		●	●	●	0.8	6.35	3.18	2.7
		WXGU040308L-TS	●	●		●	●	●	0.8	6.35	3.18	2.7
Finishing (wiper)	TSW	WXGU040304R-TSW	●	●		●	●		0.4	6.35	3.18	2.7
		WXGU040304L-TSW	●	●		●	●		0.4	6.35	3.18	2.7
		WXGU040308R-TSW	●	●		●	●		0.8	6.35	3.18	2.7
		WXGU040308L-TSW	●	●		●	●		0.8	6.35	3.18	2.7
Finishing (low cutting force)	SS	WXGU040302R-SS	●	●		●	●	●	0.2	6.35	3.18	2.7
		WXGU040302L-SS	●	●		●	●	●	0.2	6.35	3.18	2.7
		WXGU040304R-SS	●	●		●	●	●	0.4	6.35	3.18	2.7
		WXGU040304L-SS	●	●		●	●	●	0.4	6.35	3.18	2.7

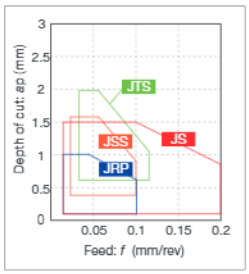
*Corner radius (RE) with a sign of inequality (<) means minus tolerance.

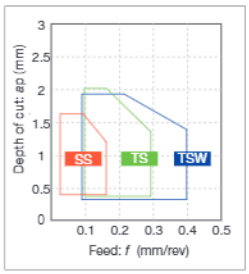
● : Line up

Chip control range









*Chip control range with typical R0.1

Reference pages: External toolholder → C031 - Internal toolholder → D028

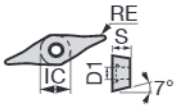
Insert POSITIVE TYPE

● : Continuous cutting
◐ : Light interrupted cutting
✠ : Heavy interrupted cutting

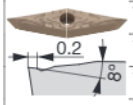
YW

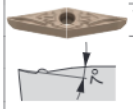
Rhombic, 25° with hole Positive 7°

P	Steel	◐✠	◐✠			●◐																							
M	Stainless																												
K	Cast iron					●◐																							
N	Non-ferrous																												
S	Superalloy																												
H	Hard material																												



Application	Chipbreaker	Designation	Coated T9225	Coated T9125			Coated cermet GT9530																		Dimension (mm) RE	IC	S	D1
Finishing to medium cutting	ZF	YWMT11T202-ZF	●	▲			●																		0.2	4.679	2.78	2.3
		YWMT11T204-ZF	●	▲			●																		0.4	4.679	2.78	2.3
		YWMT16T302-ZF	●	▲			●																		0.2	7.018	3.97	2.86
		YWMT16T304-ZF	●	▲			●																		0.4	7.018	3.97	2.86
		YWMT16T308-ZF	●	▲			●																		0.8	7.018	3.97	2.86
	ZM	YWMT11T204-ZM	●	▲			●																		0.4	4.679	2.78	2.3
		YWMT16T304-ZM	●	▲			●																		0.4	7.018	3.97	2.86
		YWMT16T308-ZM	●	▲			●																		0.8	7.018	3.97	2.86

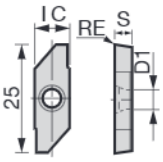




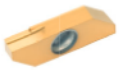
JXF

Front turning

P	Steel	◐◐				●																							
M	Stainless	◐◐				●																							
K	Cast iron					●																							
N	Non-ferrous					●																							
S	Superalloy																												
H	Hard material																												



Application	Chipbreaker	Designation	Coated J740				Uncoated TH10																		Dimension (mm) RE	IC	S	D1
Front turning	-	JXFR8000F	●				●																		0.03	8	3.97	4.4
		JXFR8010F	●				●																		0.1	8	3.97	4.4



● : Line up
▲ : To be discontinued

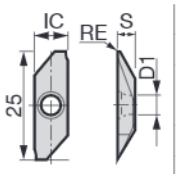
Reference pages: External toolholder → C064, C128 Internal toolholder → D076

● : Continuous cutting
◐ : Light interrupted cutting
✠ : Heavy interrupted cutting

JXR

Reverse turning

		J740 (Coated)	TH10 (Uncoated)
P	Steel	●◐	●
M	Stainless	●◐	●
K	Cast iron		●
N	Non-ferrous		●
S	Superalloy		
H	Hard material		

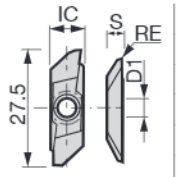


Application	Chipbreaker	Designation	J740	TH10	RE	IC	S	D1
Reverse turning	-	JXRR8000F	●	●	0.03	8	3.97	4.4
		JXRR8010F	●	●	0.1	8	3.97	4.4

JXB

Back turning

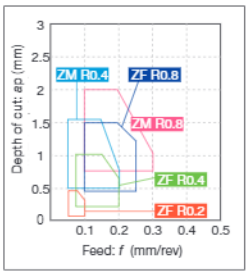
		J740 (Coated)	TH10 (Uncoated)
P	Steel	●◐	●
M	Stainless	●◐	●
K	Cast iron		●
N	Non-ferrous		●
S	Superalloy		
H	Hard material		



Application	Chipbreaker	Designation	J740	TH10	RE	IC	S	D1
Back turning	-	JXBR8000F	●	●	0.03	8	3.97	4.4
		JXBL8000F	●	●	0.03	8	3.97	4.4
		JXBR8005F	●	●	0.05	8	3.97	4.4
		JXBL8005F	●	●	0.05	8	3.97	4.4
		JXBR8005	●		0.05	8	3.97	4.4
		JXBL8005	●		0.05	8	3.97	4.4
		JXBR8010F	●	●	0.10	8	3.97	4.4
		JXBL8010F	●	●	0.10	8	3.97	4.4
		JXBR8010	●		0.10	8	3.97	4.4
		JXBL8010	●		0.10	8	3.97	4.4
		JXBR8015F	●	●	0.15	8	3.97	4.4
		JXBL8015F	●	●	0.15	8	3.97	4.4
		JXBR8015	●		0.15	8	3.97	4.4
		JXBL8015	●		0.15	8	3.97	4.4

● : Line up

Chip control range



Reference pages: JXF..., JXR..., JXB...: J-Series toolholder → G043 -

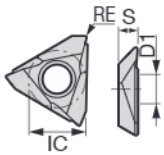
Insert POSITIVE TYPE

● : Continuous cutting
◐ : Light interrupted cutting
✠ : Heavy interrupted cutting

JTB*

Back turning

P	Steel	●◐	●◐				●◐				●◐				●														
M	Stainless	●◐	●◐												●														
K	Cast iron						●◐				●◐				●														
N	Non-ferrous														●														
S	Superalloy																												
H	Hard material																												

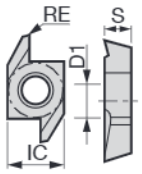


Application	Chipbreaker	Designation	Coated		Coated cermet	Cermet	Uncoated	Dimension (mm)			
			SH725	J740	J9530	NS9530	TH10	RE	IC	S	D1
Back turning	-	JTBR3000F	●	●			●	0.03	9.5	3.18	4.4
		JTBL3000F	●	●			●	0.03	9.5	3.18	4.4
		JTBR3005F	●	●			●	0.05	9.5	3.18	4.4
		JTBL3005F	●	●			●	0.05	9.5	3.18	4.4
		JTBR3005		●	●			0.05	9.5	3.18	4.4
		JTBL3005		●				0.05	9.5	3.18	4.4
		JTBR3010F	●	●		●	●	0.10	9.5	3.18	4.4
		JTBL3010F	●	●		●	●	0.10	9.5	3.18	4.4
		JTBR3010		●	●			0.10	9.5	3.18	4.4
		JTBL3010		●				0.10	9.5	3.18	4.4
		JTBR3015F	●	●				0.15	9.5	3.18	4.4
		JTBL3015F	●					0.15	9.5	3.18	4.4

J10E*

Back turning

P	Steel	●◐	●◐				●◐				●◐				●														
M	Stainless	●◐	●◐												●														
K	Cast iron						●◐				●◐				●														
N	Non-ferrous														●														
S	Superalloy																												
H	Hard material																												



Application	Chipbreaker	Designation	Coated		Coated cermet	Cermet	Uncoated	Dimension (mm)			
			SH725	J740	J9530	NS9530	TH10	RE	IC	S	D1
Back turning	-	J10ER005BF	●	●		●	●	0.05	6.35	3.18	3.0
		J10EL005BF	●	●			●	0.05	6.35	3.18	3.0
		J10ER005B		●	●			0.05	6.35	3.18	3.0
		J10EL005B		●				0.05	6.35	3.18	3.0
		J10ER010BF	●	●		●	●	0.10	6.35	3.18	3.0
		J10EL010BF	●	●			●	0.10	6.35	3.18	3.0
		J10ER010B		●	●			0.10	6.35	3.18	3.0
		J10EL010B		●				0.10	6.35	3.18	3.0
		J10EL015BF	●					0.15	6.35	3.18	3.0
		J10ER015BF	●					0.15	6.35	3.18	3.0

● : Line up

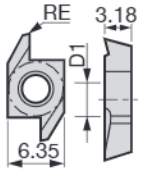
Reference pages: JTB...: J-Series toolholder → G048 J10E...: J-Series toolholder → G050

● : Continuous cutting
◐ : Light interrupted cutting
✠ : Heavy interrupted cutting

10E*

Back turning

P	Steel	●
M	Stainless	●
K	Cast iron	●
N	Non-ferrous	●
S	Superalloy	
H	Hard material	



Application	Chipbreaker	Designation	Uncoated TH10	Dimension (mm) RE	IC	S	D1
Back turning	-	10ER100B	●	0.03	6.35	3.18	3.0
		10EL100B	●	0.03	6.35	3.18	3.0
		10ER150B	●	0.03	6.35	3.18	3.0
		10EL150B	●	0.03	6.35	3.18	3.0
		10ER300	●	-	6.35	3.18	3.0
		10EL300	●	-	6.35	3.18	3.0

● : Line up