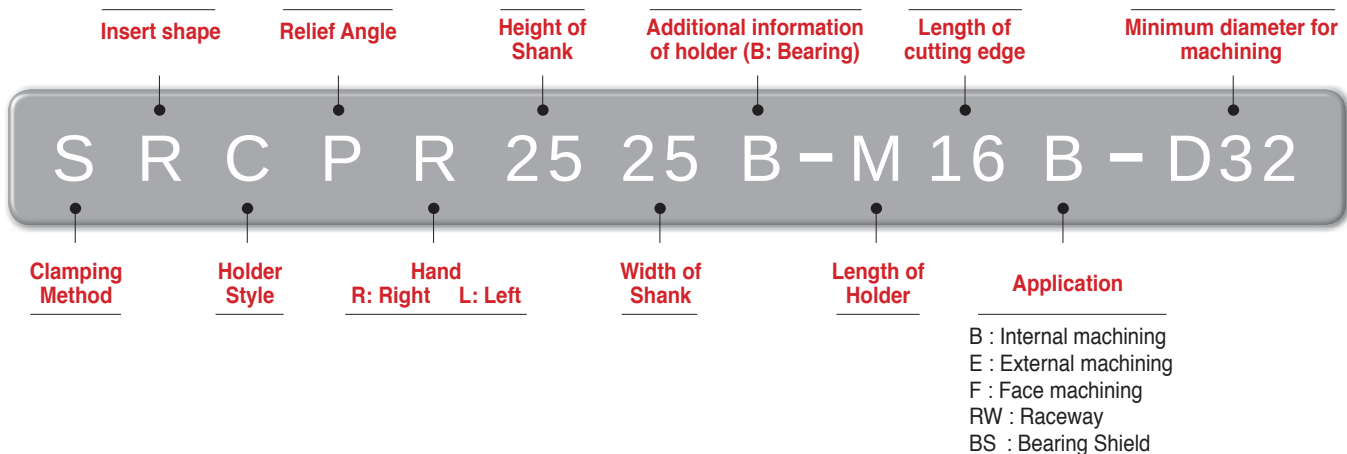


Bearing Solution

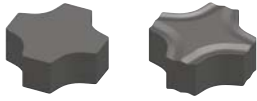
Holder code system



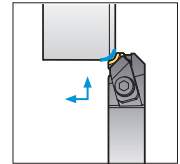
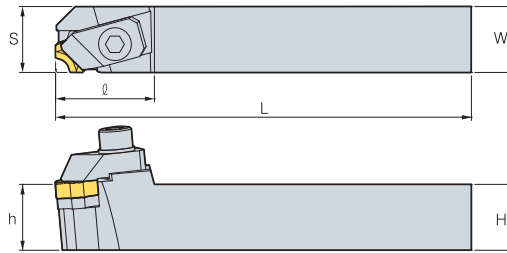
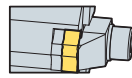
Insert code system for race way and bearing shield machining



CMSN...F Type



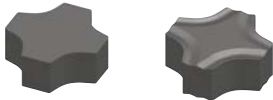
MC12□□ MC12□□-BR
MC15□□



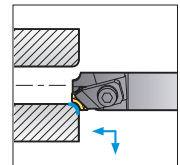
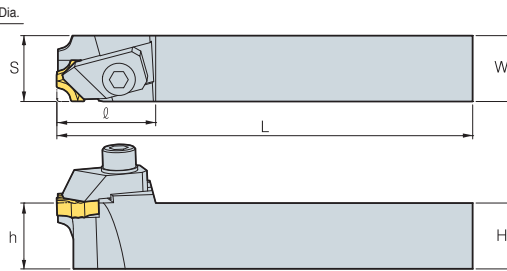
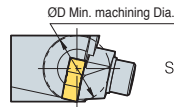
• R type insert
(mm)

Designation	H	W	L	S	h	q	Insert	Clamp	Clamp Screw	Shim	Shim Screw	Wrench
CMSNR/L 2020B-L12F	20	20	140	21	20	33	MC12□□	CH6R/L1B	BHA0620	SX42CB	SS0308	HW50L
2023B-L12F	20	23	140	24	20	33	MC12□□-BR	CH6R/L1B	BHA0620	SX42CB	SS0308	HW50L
2525B-L15F	25	25	140	26	25	35	MC15□□	CH6R/L1B	BHA0620	SX52CB	SS0408	HW50L

CMSN...B Type



MC12□□ MC12□□-BR



• R type insert
(mm)

Designation	ØD	H	W	L	S	h	q	Insert	Clamp	Clamp Screw	Shim	Shim Screw	Wrench
CMSNR/L 2020B-L12B-D28	28	20	20	140	21	20	33	MC12□□	CH6R/L1B	BHA0620	SX42CB	SS0308	HW50L
2525B-L12B-D28	28	25	25	140	26	25	33	MC12□□-BR	CH6R/L1B	BHA0620	SX42CB	SS0308	HW50L
1620B-L12B-D20	20	16	20	140	18	16	32	MC12□□-BR	CH6R/L1B	BHA0620	-	-	HW50L
2023B-L12B-D28	28	20	23	140	24	20	33	MC12□□-BR	CH6R/L1B	BHA0620	SX42CB	SS0308	HW50L

Insert

Application	Picture	Designation	Cermet	Dimensions (mm)					Configuration
			CN2000	R	θ°	B	d	t	
R-Chamfering		MC0906		0.6	12	1.8	9.525	3.18	
		MC0910		1.0	12	2.4	9.525	3.18	
		MC1206		0.6	18	1.8	12.7	4.76	
		MC1210		1.0	18	2.4	12.7	4.76	
		MC1212		1.2	18	2.2	12.7	4.76	
		MC1215		1.5	18	3.0	12.7	4.76	
		MC1220		2.0	18	3.8	12.7	4.76	
		MC1225		2.5	18	2.8	12.7	4.76	
		MC1525		2.5	18	4.0	15.875	5.56	
		MC1530		3.0	18	4.7	15.875	5.56	
		MC1540		4.0	20	4.7	15.875	5.56	
		MC1206-BR		0.6	18	1.8	12.7	4.76	
		MC1210-BR		1.0	18	2.4	12.7	4.76	
		MC1212-BR		1.2	18	2.2	12.7	4.76	
		MC1215-BR		1.5	18	3.0	12.7	4.76	
		MC1220-BR		2.0	18	3.2	12.7	4.76	
		MC1230-BR		3.0	18	3.7	12.7	4.76	
		MC1235-BR		3.5	18	3.9	12.7	4.76	

● : Stock item

Special order-form

Designation	CN1000	CN2000	R	θ°	B	d	t	Configuration
MC...								

Turning

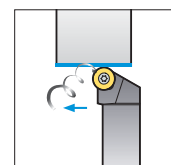
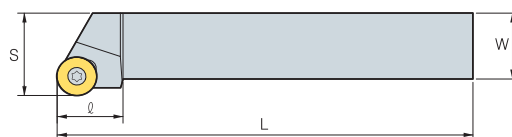


B

SRGP...E Type



RPGT1203M0
RPGT1604M0
RPGT2004M0



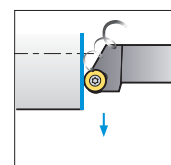
• R type insert
(mm)

Designation	H	W	L	S	h	ℓ	Insert	Screw	Shim	Shim Screw	Wrench
SRGPR/L 2020B-L12E	20	20	140	25	20	20	RPGT1203M0	FTKA0410	SR1203S	SHXN0609F	TW15P
2020B-L16E	20	20	140	25	20	20	RPGT1604M0	FTNA0513	SR16T3S	SHXN0712F	TW20P
2525B-L20E	25	25	140	32	25	30	RPGT2004M0	FTNA0513	SR20T3S	SHXN0712F	TW20P

SRGP...F Type



RPGT1203M0
RPGT1604M0
RPGT2004M0



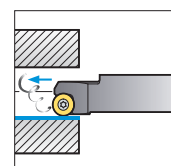
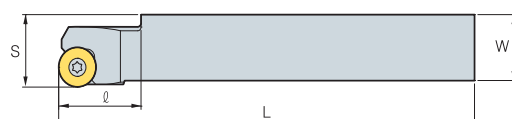
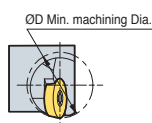
• R type insert
(mm)

Designation	H	W	L	S	h	ℓ	Insert	Screw	Shim	Shim Screw	Wrench
SRGPR/L 2020B-L12F	20	20	140	25	20	20	RPGT1203M0	FTKA0410	SR1203S	SHXN0609F	TW15P
2020B-L16F	20	20	140	25	20	20	RPGT1604M0	FTNA0513	SR16T3S	SHXN0712F	TW20P
2525B-L20F	25	25	140	32	25	30	RPGT2004M0	FTNA0513	SR20T3S	SHXN0712F	TW20P

SRCP...B Type



RPGT0802M0
RPGT1203M0
RPGT1604M0



• R type insert
(mm)

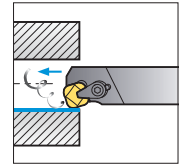
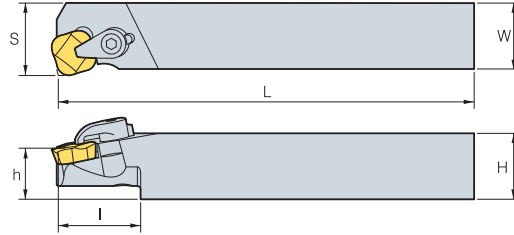
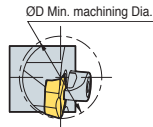
Designation	ØD	H	W	L	S	h	ℓ	Insert	Screw	Wrench
SRCPR/L 2020B-L08B-D12	12	20	20	140	21.5	15.5	25	RPGT0802M0	FTKA0305	TW09P
1919B-L12B-D15	15	19	19	140	21	16	25	RPGT1203M0	FTNA0408	TW15P
2020B-L12B-D20	20	20	20	140	22	15.5	25	RPGT1203M0	FTNA0408	TW15P
2525B-L16B-D32	32	25	25	140	27	20	30	RPGT1604M0	FTKA0510	TW20P



CSKP...B Type



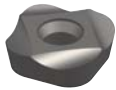
SPGR120440L



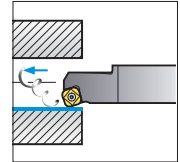
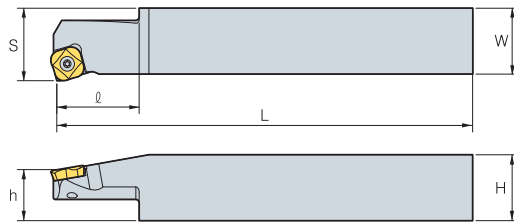
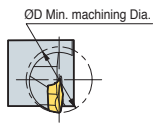
• R type insert
(mm)

Designation	ØD	H	W	L	S	h	l	Insert	Clamp	Clamp Screw	Wrench
CSKPR/L 2022B-L12B-D30	30	20	22	140	27	20	37	SPGR120440R/L	CH5R1	CHX0510	HW30L

SSKP...B Type



SPGH090330L



• R type insert
(mm)

Designation	ØD	H	W	L	S	h	l	Insert	Screw	Wrench
SSKPR/L 2020B-L09B-D12	12	20	20	140	21.7	19	20	SPGH090330R/L	FTNA0307	TW09P
2020B-L09B-D13	13	20	20	140	21.7	19	20			
2020B-L09B-D20	20	20	20	140	21.7	19	20			

Insert

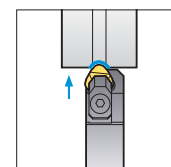
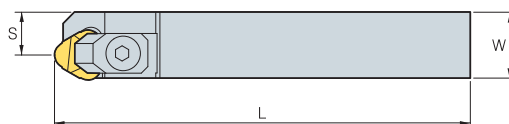
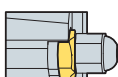
Application	Picture	Designation	Cermet	Dimensions (mm)				Configuration
			CN2000	r	d	d ₁	t	
Internal turning		RPGT0802M0		-	8	3.4	2.38	
		RPGT1203M0		-	12	4.4	3.18	
		RPGT1604M0		-	16	5.5	4.76	
		RPGT2004M0		-	20	5.5	4.76	
		SPGR120440L		4.0	12..7	-	4.76	
		SPGH090330L		3.0	9.525	3.4	3.18	

●: Stock item

CKFN...RW Type



KORIC



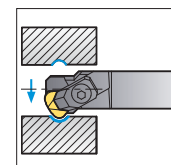
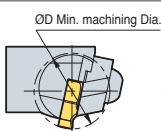
• R type insert
(mm)

Designation	H	W	L	S	h	Insert	Clamp	Clamp Screw	Shim	Shim Screw	Wrench
CKFNR/L 2020B-L22RW	20	20	140	12.5	20	KORIC2204R/L	CH6N1B	BHA0620	ST42CB	SS0408	HW50L
2022B-L27RW	20	22	140	13	20	KORIC2704R/L	CH8R/L1B	BHA0820	ST52CB	SS0408	HW60L
2025B-L33RW	20	25	140	16	20	KORIC3306R/L	CH8R/L1B	BHA0820	ST62CB	SS0408	HW60L
2533B-L44RW	25	33	140	21	25	KORIC4408R/L	CH8R/L1B	BHA0820	ST82CB	SS0408	HW60L

CKGN...RW Type



KORIC



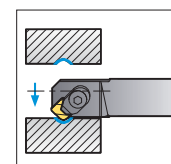
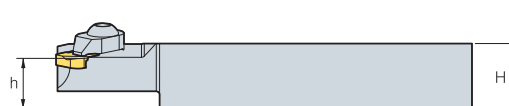
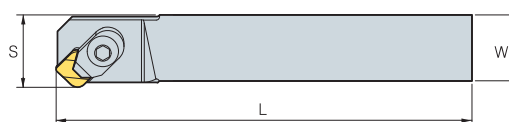
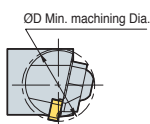
• R type insert
(mm)

Designation	ØD	H	W	L	S	h	Insert	Clamp	Clamp Screw	Shim	Shim Screw	Wrench
CKGNR 2022B-L22RW-D23	23	20	22	140	30	20	KORIC2204R/L	CH6R/L3B	BHA0620	ST42CB	SS0408	HW50L
2022B-L27RW-D29	29	20	22	140	34	20	KORIC2704R/L	CH6R/L7B	BHA0620	ST52CB	SS0408	HW50L
2025B-L33RW-D38	38	20	25	140	33	20	KORIC3306R/L	CH6R/L5B	BHA0620	ST62CB	SS0408	HW50L
2528B-L38RW-D50	50	25	28	140	46	25	KORIC3806R/L	CH8R/L2B	BHA0820	ST72CB	SS0408	HW60L
2528B-L44RW-D52	52	25	28	140	50	25	KORIC4408R/L	CH8R/L2B	BHA0820	ST82CB	SS0408	HW60L

CSGN...RW Type



SNGN

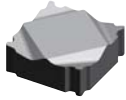


• R type insert
(mm)

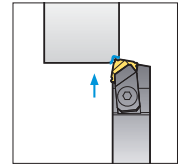
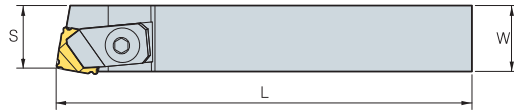
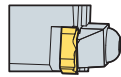
Designation	ØD	H	W	L	S	h	Insert	Clamp	Clamp Screw	Wrench
CSGNR/L 2020B-L09RW-D17	17	20	20	140	22	20	SNGN0903WR/L	CH5R1	CHX0510	HW30L
2020B-L09RW-D22	22	20	20	140	22	20	SNGN0903WR/L	CH5R1	CHX0510	HW30L



CSBN...BS Type



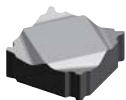
SNGN



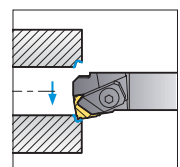
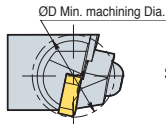
• R type insert (mm)

Designation	H	W	L	S	h	Insert	Clamp	Clamp Screw	Shim	Shim Screw	Wrench
CSBNR/L 2023B-L12BS	20	23	140	21	20	SNGN1204SR/L	CH6N1B	BHA0620	SS42CB	SS0308	HW50L
2525B-L15BS	25	25	140	23	25	SNGN1504SR/L	CH6N1B	BHA0620	SS52CB	SS0408	HW50L

CSKN...BS Type



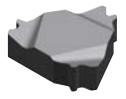
SNGN



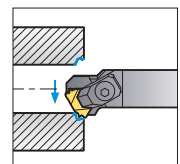
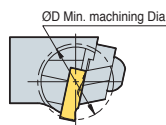
• R type insert (mm)

Designation	ØD	H	W	L	S	h	Insert	Clamp	Clamp Screw	Shim	Shim Screw	Wrench
CSKNR/L 1622B-L09BS-D14	14	16	22	140	16	16	SNGN0903SR/L	CH6R/L2B	BHA0620	-	-	HW50L
2022B-L12BS-D26	26	20	22	140	27	20	SNGN1204SR/L	CH6R/L1B	BHA0620	SS42CB	SS0308	HW50L
2525B-L15BS-D35	35	25	25	140	31	25	SNGN1504SR/L	CH6R/L3B	BHA0620	SS52CB	SS0408	HW50L

CTGN...BS Type



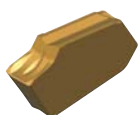
TNGN



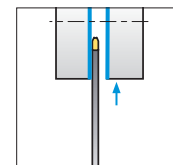
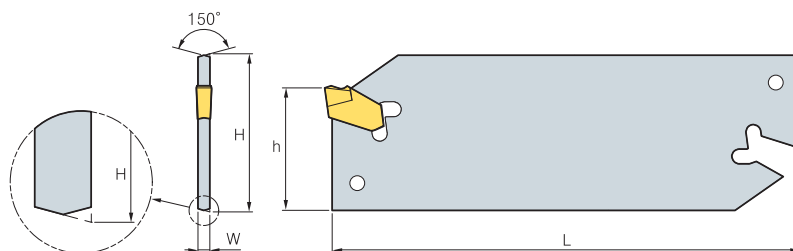
• R type insert (mm)

Designation	ØD	H	W	L	S	h	Insert	Clamp	Clamp Screw	Shim	Shim Screw	Wrench
CTGNR/L 2021B-K22BS-D25	25	20	21	140	30	20	TNGN2204SR/L	CH6R/L7B	BHA0620	ST42CB	SS0408	HW50L

SPB-S Type



SP



(mm)

Designation	H	W	L	h	Insert	Wrench
SPB	1626-S	26	1.3	110	21	SP160
	1826-S	26	1.5	110	21	SP180
	226-S	26	1.6	110	21	SP200, SP200R/L
	326-S	26	2.4	110	21	SP300, SP300R/L
	426-S	26	3.2	110	21	SP400, SP400R/L
	526-S	26	4.0	110	21	SP500, SP500R/L
	626-S	26	5.2	110	21	SP600, SP600R/L
	1632-S	32	1.3	150	25	SP160
	1832-S	32	1.5	150	25	SP180
	232-S	32	1.6	150	25	SP200, SP200R/L
	332-S	32	2.4	150	25	SP300, SP300R/L
	432-S	32	3.2	150	25	SP400, SP400R/L
	532-S	32	4.0	150	25	SP500, SP500R/L
	632-S	32	5.2	150	25	SP600, SP600R/L

SW15S

Insert

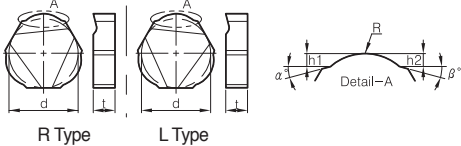
Application	Picture	Designation	Coated										Un-coated	Dimensions (mm)			Configuration
			NCM325	NC3120	NC3225	NC3030	NC5330	PC3500	PC8105	PC8110	PC5300	PC9030		W	l	r	
Parting tools		SP 160												1.6	7.8	0.16	R type Standard L type W = ±0.1
		180												1.8	9.3	0.16	
		200	●			●	●			●	●	●		2.2	9.3	0.2	
		200R				●						●		2.2	9.3	0.2	
		200L										●		2.2	9.3	0.2	
		300	●	●		●	●			●	●	●	●	3.1	11.3	0.2	
		300R	●			●				●				3.1	11.3	0.2	
		300L				●								3.1	11.3	0.2	
		400	●	●		●	●			●	●	●		4.1	11.3	0.25	
		400R				●				●				4.1	11.3	0.25	
		400L				●								4.1	11.3	0.25	
		500	●			●	●			●	●			5.1	11.4	0.3	
		500R												5.1	11.4	0.3	
		500L												5.1	11.4	0.3	
		600				●	●				●			6.4	11.4	0.35	
		600R												6.4	11.4	0.35	
		600L												6.4	11.4	0.35	

● : Stock item



Machining Race-way

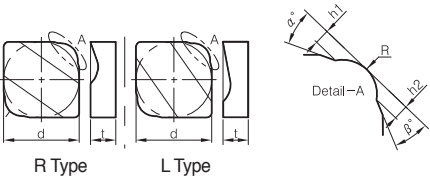
KORIC... R/L Type



R Type L Type

		d	t	R	h ₁	h ₂	α°	β°
KORIC	2204R/L	12.7	4.76					
	2704R/L	15.875	4.76					
	3306R/L	19.05	6.0					
	3806R/L	22.225	6.0					
	4408R/L	25.4	8.0					

SNGN... WR/L Type

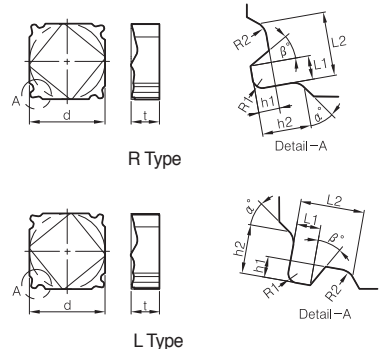


R Type L Type

		d	t	R	h ₁	h ₂	α°	β°
SNGN	0903WR/L	9.525	3.18					
	1504WR/L	15.875	4.76					
	1905WR/L	19.05	5.56					

Machining for Bearing shield

KORIC... R/L Type

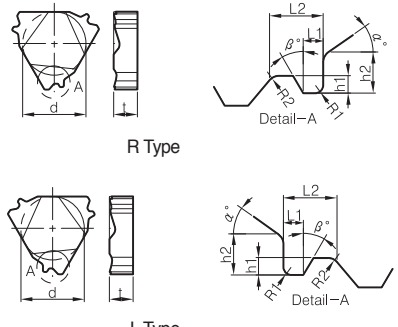


R Type

L Type

		d	t	L ₁	L ₂	h ₁	h ₂	R ₁	R ₂	α°	β°
SNGN	0903SR/L	9.525	3.18								
	1204SR/L	12.7	4.76								
	1504SR/L	15.875	4.76								

TNGN...SR/L Type



R Type

L Type

		d	t	L ₁	L ₂	h ₁	h ₂	R ₁	R ₂	α°	β°
TNGN	02204SR/L	12.7	4.76								