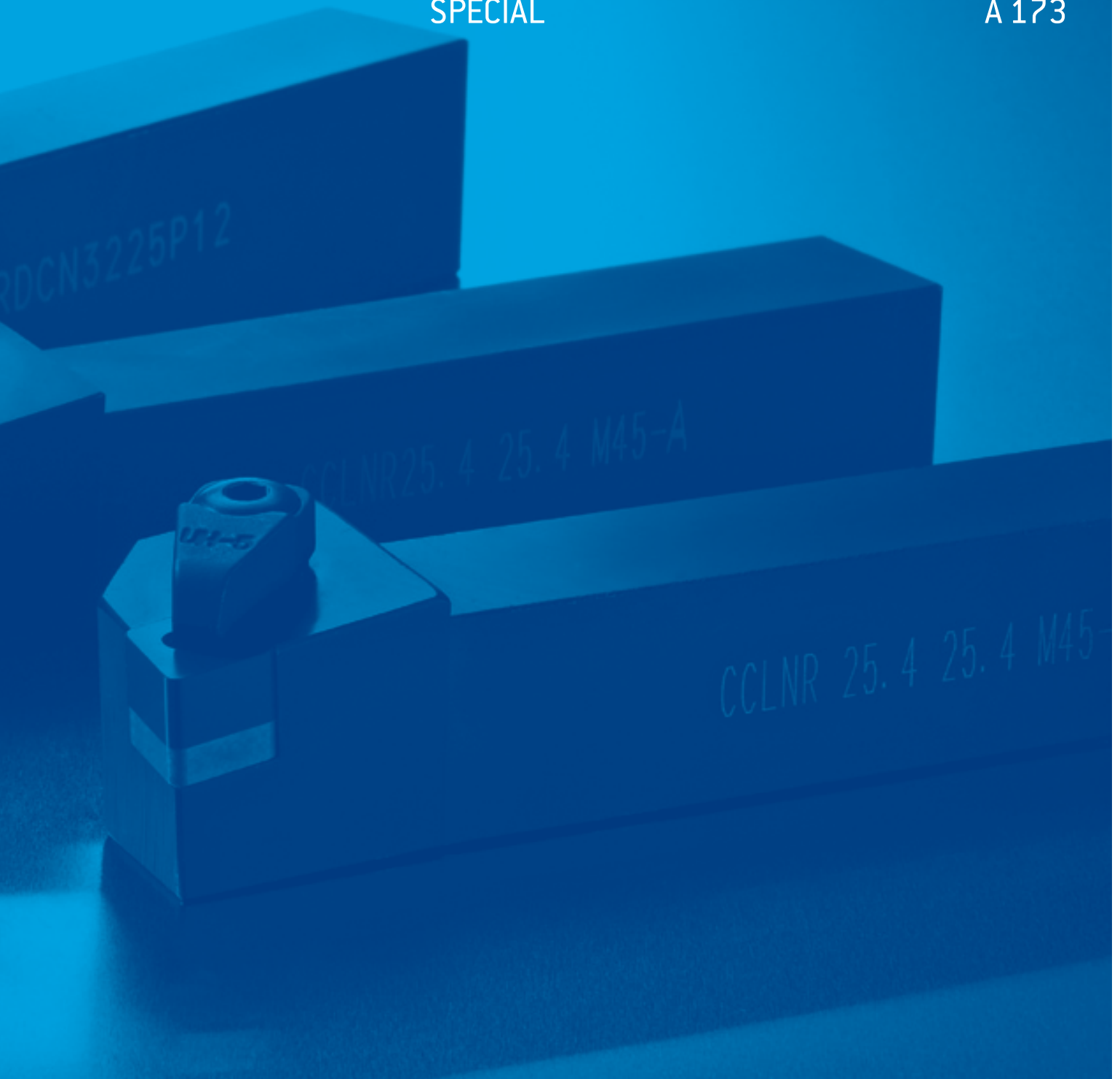




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IDENTIFICATION SYSTEM

C
1

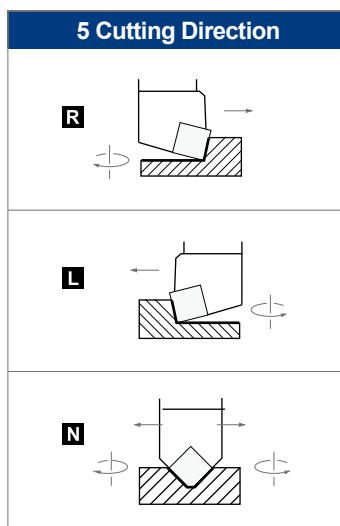
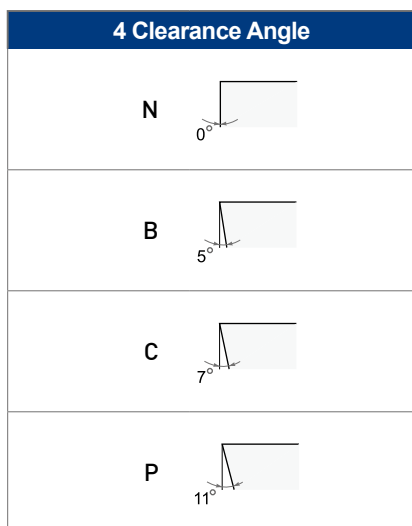
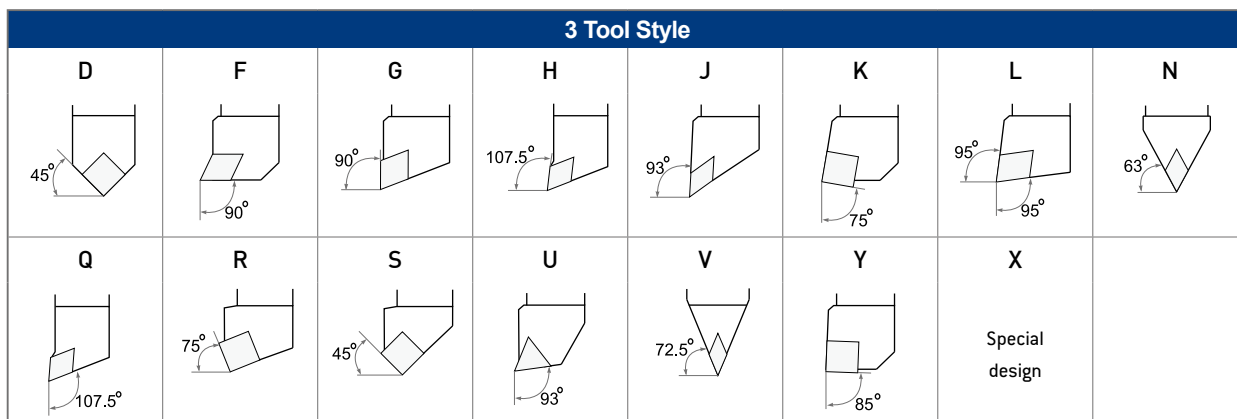
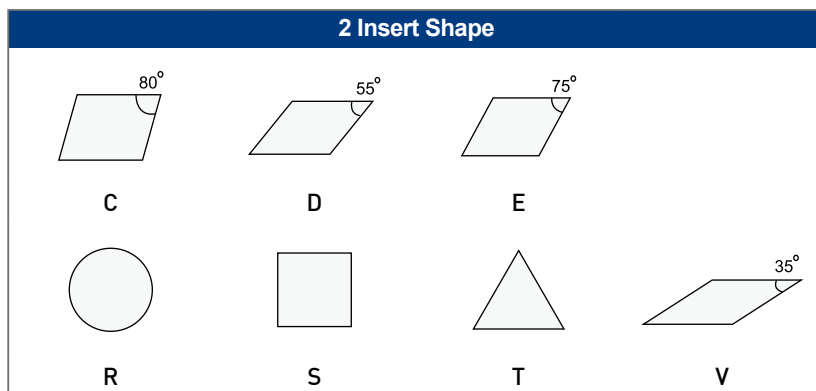
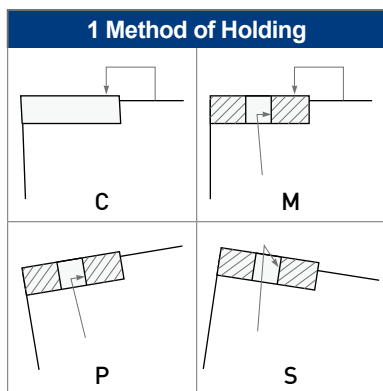
C
2

L
3

N
4

R
5

25
6



6 Tool Height (h=h₁)

	h (mm)
12	12
16	16
20	20
25	25
32	32
40	40
50	50

25
7

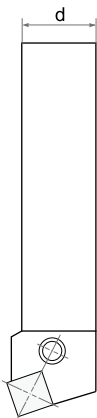
M
8

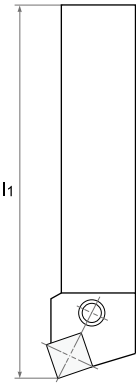
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
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
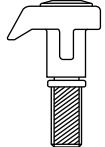
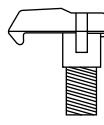
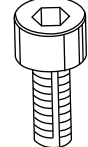
A
10


7
11

7 Tool Width (d)	
	d (mm)
	12
	16
	20
	25
	32
	40
	50

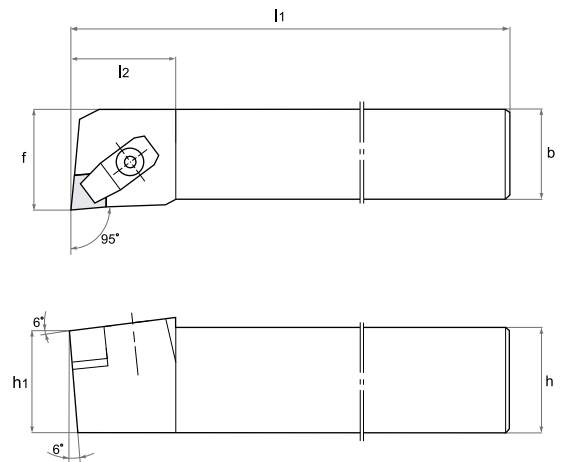
8 Tool Length (l ₁)	
	l ₁ (mm)
	D 60
	E 70
	F 80
	H 100
	K 125
	M 150
	N 160
	P 170
	R 200
	S 250
	T 300
	U 350

9 Insert Size						
Inscribed Circle						
d (mm)	R, S	T (60°)	C (80°)	E (75°)	D (55°)	V (35°)
5.56		09				
6.35	06	11				
7.94	07	13				
9.52	09	16	09		11	16
12.70	12	22	12	13	15	22
15.87	15	27	16		19	
19.05	19	33	19		23	
25.40	25	44	25		31	

10 Clamping System		
A type	X type	B type
		
+	+	+
		

11 Insert Thickness	
	s
Index	S (mm)
3	3.18
4	4.76
6	6.35
7	7.94
9	9.52

CCLN



Type	Dimensions [mm]					Stock		Insert	Spare Parts			
	h [h ₁]	b	l ₁	l ₂	f	R	L		Clamp & Clamp Screw	Shim	Shim Screw	Wrench
CCLNR/L 2525M12-A4	25	25	150	35	32	•	•	CNGN1204	UH1	SHCN4A	BM510	LW4
CCLNR/L 2525M12-A7	25	25	150	35	32	•	•	CNGN1207	UH1	SHCN4A	BM510	LW4
CCLNR/L 2525M12-X7	25	25	150	35	32	•	•	CNG(V)X1207	UH5	SHCN4A	BM510	LW4
CCLNR/L 3225P12-A4	32	25	170	35	32	•	•	CNGN1204	UH1	SHCN4A	BM510	LW4
CCLNR/L 3225P12-A7	32	25	170	35	32	•	•	CNGN1207	UH1	SHCN4A	BM510	LW4
CCLNR/L 3225P12-X7	32	25	170	35	32	•	•	CNG(V)X1207	UH5	SHCN4A	BM510	LW4
CCLNR/L 3225P16-X7	32	25	170	35	32	•		CNG(V)X1607	UH5	SHCN5A	FM510	LW4
CCLNR/L 3225P16-A7	32	25	170	35	32			CNGN1607	UH1	SHCN5A	FM510	LW4
CCLNR/L 4040S19-A7	40	40	250	60	50			CNGN1907	UH4	SHCN6A	FM615	LW6
CCLNR/L 5050T25-A9	50	50	300	65	60			CNGN2509	UH25	SHCN8	FM815	LW6

CERAMIC

CERMET

PCBN
/
PCD

TOOL
HOLDER

MILLING
CUTTER

Spare parts													
Clamp & Clamp Screw				Shim				Shim Screw				Wrench	
UH1	UH4	UH5	UH25	SHCN4A	SHCN5A	SHCN6A	SHCN8	BM510	FM510	FM615	FM815	LW4	LW6

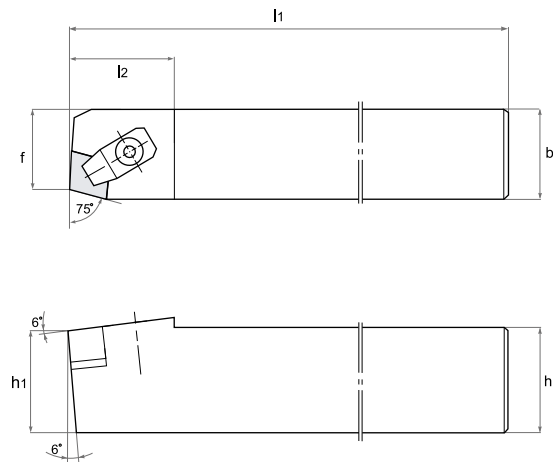
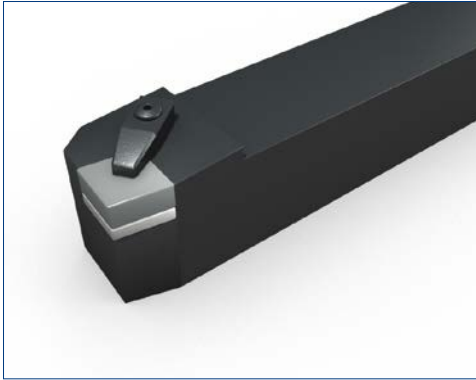
CNGN	CNGX	CNVX
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EXTERNAL TOOLHOLDER

PART.
A

TURNING
&
MILLING

CCBN



Type	Dimensions (mm)					Stock		Insert	Spare Parts			
	h(h ₁)	b	l ₁	l ₂	f	R	L		Clamp & Clamp Screw	Shim	Shim Screw	Wrench
CCBNR/L 2525M12-A4	25	25	150	35	22		•	CNGN1204	UH1	SHCN4A	BM510	LW4
CCBNR/L 2525M12-A7	25	25	150	35	22	•		CNGN1207	UH1	SHCN4A	BM510	LW4
CCBNR/L 2525M12-X7	25	25	150	35	22			CNG(V)X1207	UH5	SHCN4A	BM510	LW4
CCBNR/L 3225P12-A4	32	25	170	35	22			CNGN1204	UH1	SHCN4A	BM510	LW4
CCBNR/L 3225P12-A7	32	25	170	35	22			CNGN1207	UH1	SHCN4A	BM510	LW4
CCBNR/L 3225P12-X7	32	25	170	35	22			CNG(V)X1207	UH5	SHCN4A	BM510	LW4
CCBNR/L 3225P16-A7	32	25	170	35	27			CNGN1607	UH1	SHCN5A	FM510	LW4
CCBNR/L 3225P16-X7	32	25	170	35	27			CNG(V)X1607	UH5	SHCN5A	FM510	LW4
CCBNR/L 4040S19-A7	40	40	250	60	36			CNGN1907	UH4	SHCN6A	FM615	LW6
CCBNR/L 5050T25-A9	50	50	300	65	45			CNGN2509	UH25	SHCN8	FM815	LW6

Spare parts													
Clamp & Clamp Screw				Shim				Shim Screw				Wrench	
UH1	UH4	UH5	UH25	SHCN4A	SHCN5A	SHCN6A	SHCN8	BM510	FM51	FM615	FM815	LW4	LW6

CNGN	CNGX	CNVX
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CERAMIC

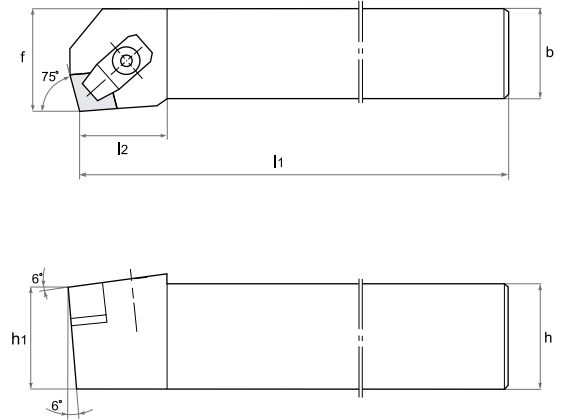
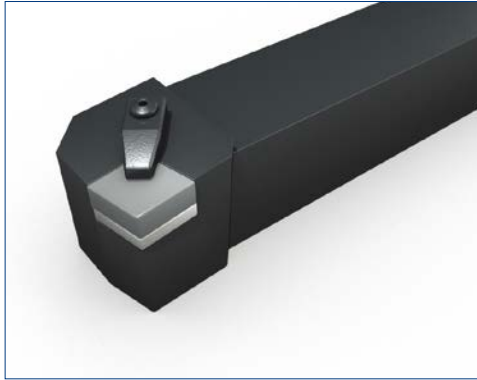
CERMET

PCBN
/
PCD

TOOL
HOLDER

MILLING
CUTTER

CCKN



Type	Dimensions [mm]					Stock		Insert	Spare Parts			
	h [h ₁]	b	l ₁	l ₂	f	R	L		Clamp & Clamp Screw	Shim	Shim Screw	Wrench
CCKNR/L 2525M12-A4	25	25	150	29	32			CNGN1204	UH1	SHCN4A	BM510	LW4
CCKNR/L 2525M12-A7	25	25	150	29	32	•	•	CNGN1207	UH1	SHCN4A	BM510	LW4
CCKNR/L 2525M12-X7	25	25	150	29	32	•	•	CNG(V)X1207	UH5	SHCN4A	BM510	LW4
CCKNR/L 3225P12-A4	32	25	170	29	32			CNGN1204	UH1	SHCN4A	BM510	LW4
CCKNR/L 3225P12-A7	32	25	170	29	32		•	CNGN1207	UH1	SHCN4A	BM510	LW4
CCKNR/L 3225P12-X7	32	25	170	29	32	•	•	CNG(V)X1207	UH5	SHCN4A	BM510	LW4

Spare parts					
Clamp & Clamp Screw		Shim		Shim Screw	Wrench
UH1	UH5	SHCN4A		BM510	LW4

CERAMIC

CERMET

PCBN
/
PCD

TOOL
HOLDER

MILLING
CUTTER

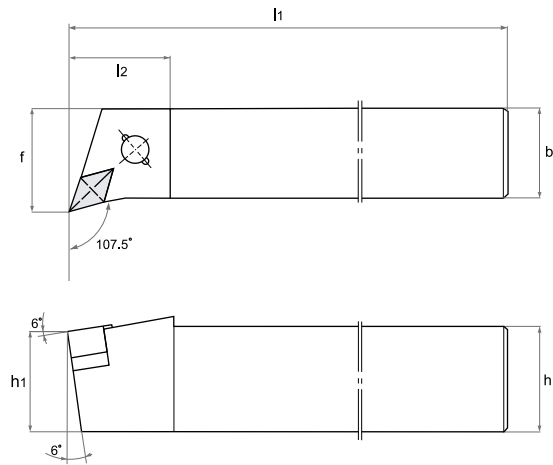
CNGN	CNGX	CNVX
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EXTERNAL TOOLHOLDER

PART.
A

TURNING
&
MILLING

CDHN



Type	Dimensions (mm)					Stock		Insert	Spare Parts			
	h(h ₁)	b	l ₁	l ₂	f	R	L		Clamp & Clamp Screw	Shim	Shim Screw	Wrench
CDHNR/L 2525M15-A4	25	25	150	33	32	•		DNGN1504	UH1	SHDN4A	BM510	LW4
CDHNR/L 2525M15-A7	25	25	150	33	32	•	•	DNGN1507	UH1	SHDN4A	BM510	LW4
CDHNR/L 2525M12-X7	25	25	150	30	32			DNGX1207	UH5	SHDN3A	TM3507	LW4
CDHNR/L 2525M15-X7	25	25	150	33	32			DNGX1507	UH5	SHDN4A	BM510	LW4
CDHNR/L 3225P15-A4	32	25	170	33	32			DNGN1504	UH1	SHDN4A	BM510	LW4
CDHNR/L 3225P15-A7	32	25	170	33	32			DNGN1507	UH1	SHDN4A	BM510	LW4
CDHNR/L 3225P12-X7	32	25	170	30	32			DNGX1207	UH5	SHDN3A	TM3507	LW4
CDHNR/L 3225P15-X7	32	25	170	33	32			DNGX1507	UH5	SHDN4A	BM510	LW4

Spare parts						
Clamp & Clamp Screw		Shim		Shim Screw		Wrench
UH1	UH5	SHDN3A	SHDN4A	TM3507	BM510	LW4

CERAMIC

CERMET

PCBN
/
PCD

TOOL
HOLDER

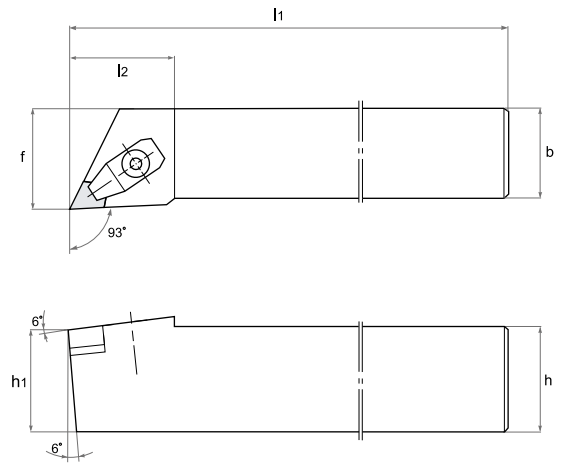
MILLING
CUTTER



EXTERNAL TOOLHOLDER

TURNING
&
MILLING

CDJN



Type	Dimensions [mm]					Stock		Insert	Spare Parts			
	h(h ₁)	b	l ₁	l ₂	f	R	L		Clamp & Clamp Screw	Shim	Shim Screw	Wrench
CDJNR/L 2525M15-A4	25	25	150	38	32	•		DNGN1504	UH1	SHDN4A	BM510	LW4
CDJNR/L 2525M15-A7	25	25	150	38	32	•	•	DNGN1507	UH1	SHDN4A	BM510	LW4
CDJNR/L 2525M12-X7	25	25	150	38	32	•	•	DNGX1207	UH5	SHDN3A	TM3507	LW4
CDJNR/L 2525M15-X7	25	25	150	38	32		•	DNGX1507	UH5	SHDN4A	BM510	LW4
CDJNR/L 3225P15-A4	32	25	170	38	32			DNGN1504	UH1	SHDN4A	BM510	LW4
CDJNR/L 3225P15-A7	32	25	170	38	32	•	•	DNGN1507	UH1	SHDN4A	BM510	LW4
CDJNR/L 3225P12-X7	32	25	170	38	32		•	DNGX1207	UH5	SHDN3A	TM3507	LW4
CDJNR/L 3225P15-X7	32	25	170	38	32	•		DNGX1507	UH5	SHDN4A	BM510	LW4

CERAMIC

CERMET

PCBN
/
PCD

TOOL
HOLDER

MILLING
CUTTER

Spare parts						
Clamp & Clamp Screw		Shim		Shim Screw		Wrench
UH1	UH5	SHDN3A	SHDN4A	TM3507	BM510	LW4

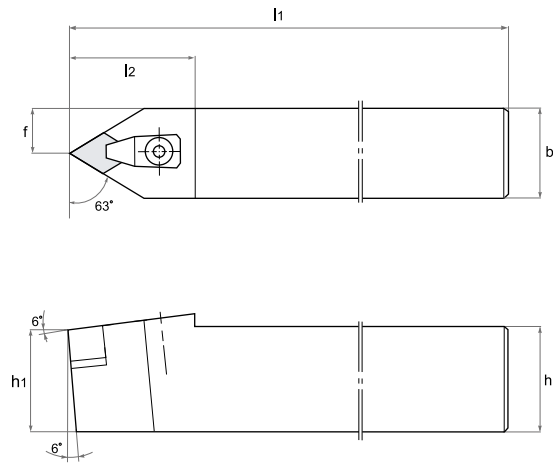
DNGN	DNGX
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EXTERNAL TOOLHOLDER





PART.
A

TURNING
&
MILLING

CDNN



Type	Dimensions (mm)					Stock	Insert	Spare Parts			
	h(h ₁)	b	l ₁	l ₂	f			Clamp & Clamp Screw	Shim	Shim Screw	Wrench
CDNN 2525M15-A4	25	25	150	40	12.5		DNGN1504	UH1	SHDN4A	BM510	LW4
CDNN 2525M15-A7	25	25	150	40	12.5		DNGN1507	UH1	SHDN4A	BM510	LW4
CDNN 4025M15-A7	40	25	150	40	12.5		DNGN1507	UH1	SHDN4A	BM510	LW4

Spare parts			
Clamp & Clamp Screw	Shim	Shim Screw	Wrench
			
UH1	SHDN4A	BM510	LW4

CERAMIC

CERMET

PCBN
/
PCD

TOOL
HOLDER

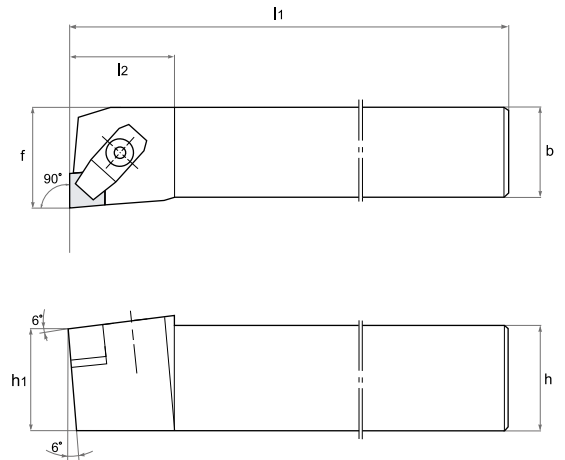
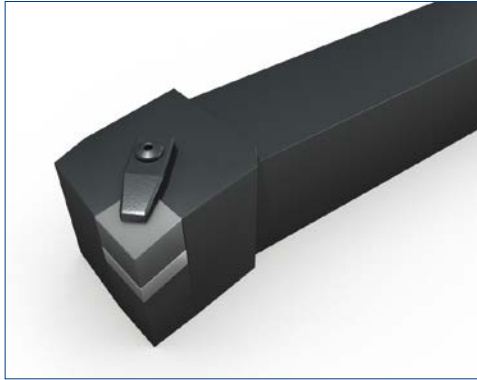
MILLING
CUTTER

DNGN



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CEFN



Type	Dimensions [mm]					Stock		Insert	Spare Parts			
	h(h ₁)	b	l ₁	l ₂	f	R	L		Clamp & Clamp Screw	Shim	Shim Screw	Wrench
CEFNR/L 2525M13-A7	25	25	150	29	32			ENGN1307	UH1	SHEN4A	BM510	LW4
CEFNR/L 3225P13-A7	32	25	170	29	32			ENGN1307	UH1	SHEN4A	BM510	LW4

Spare parts			
Clamp & Clamp Screw	Shim	Shim Screw	Wrench
UH1	SHEN4A	BM510	LW4

CERAMIC

CERMET

PCBN
/
PCD

TOOL
HOLDER

MILLING
CUTTER

ENGN



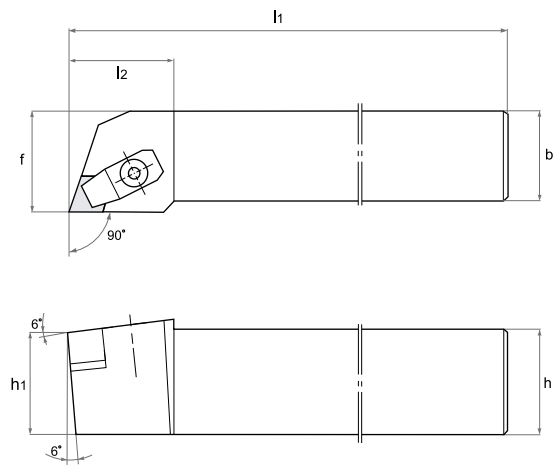
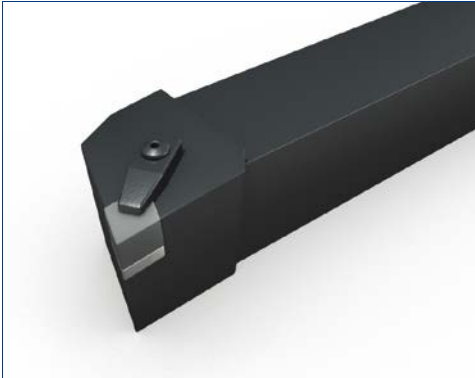
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EXTERNAL TOOLHOLDER

PART.
A

TURNING
&
MILLING

CEGN



Type	Dimensions (mm)					Stock		Insert	Spare Parts			
	h(h ₁)	b	l ₁	l ₂	f	R	L		Clamp & Clamp Screw	Shim	Shim Screw	Wrench
CEGNR/L 2525M13-A7	25	25	150	23	32			ENG1307	UH1	SHEN4A	BM510	LW4
CEGNR/L 3225P13-A7	32	25	170	23	32	•	•	ENG1307	UH1	SHEN4A	BM510	LW4

Spare parts			
Clamp & Clamp Screw	Shim	Shim Screw	Wrench
UH1	SHEN4A	BM510	LW4

CERAMIC

CERMET

PCBN
/
PCD

TOOL
HOLDER

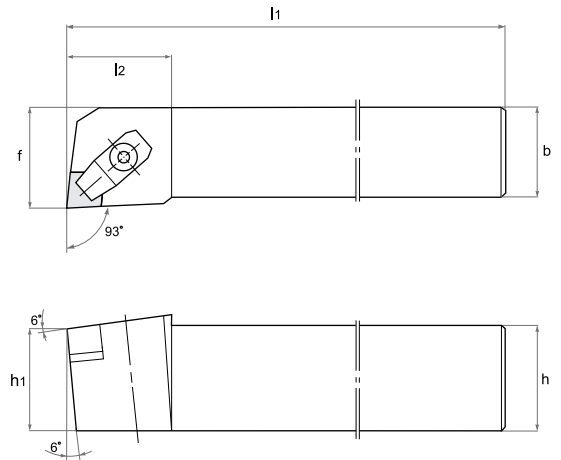
MILLING
CUTTER

ENGN







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CEJN



Type	Dimensions [mm]					Stock		Insert	Spare Parts			
	h(h ₁)	b	l ₁	l ₂	f	R	L		Clamp & Clamp Screw	Shim	Shim Screw	Wrench
CEJNR/L 2525M13-A7	25	25	150	30	32	•	•	ENGN1307	UH1	SHEN4A	BM510	LW4
CEJNR/L 3225P13-A7	32	25	170	30	32			ENGN1307	UH1	SHEN4A	BM510	LW4

Spare parts			
Clamp & Clamp Screw	Shim	Shim Screw	Wrench
			
UH1	SHEN4A	BM510	LW4

CERAMIC

CERMET

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/
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TOOL
HOLDER

MILLING
CUTTER

ENGN

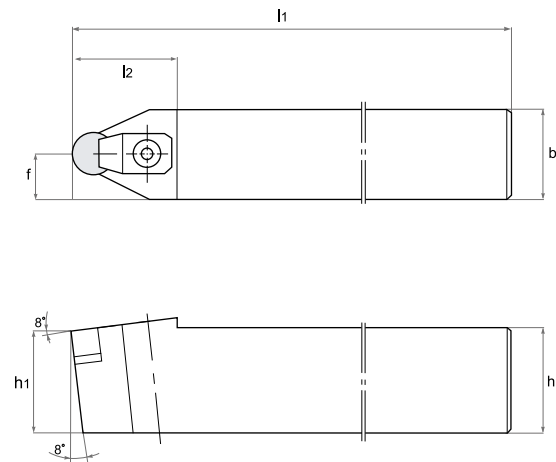


EXTERNAL TOOLHOLDER

PART.
A

TURNING
&
MILLING

CRDN



Type	Dimensions (mm)					Stock	Insert	Spare Parts			
	h(h ₁)	b	l ₁	l ₂	f			Clamp & Clamp Screw	Shim	Shim Screw	Wrench
CRDNN 2525M09-A4	25	25	150	32	12.5	●	RNGN0904	UH1	SHRN3A	TM3507	LW4
CRDNN 2525M09-A7	25	25	150	32	12.5	●	RNGN0907	UH1	SHRN3A	TM3507	LW4
CRDNN 2525M12-A4	25	25	150	32	12.5		RNGN1204	UH1	SHRN4A	BM510	LW4
CRDNN 2525M12-A7	25	25	150	32	12.5	●	RNGN1207	UH1	SHRN4A	BM510	LW4
CRDNN 2525M12-X7	25	25	150	32	12.5		RNGX1207	UH5	SHRN4A	BM510	LW4
CRDNN 3225P12-A4	32	25	170	32	12.5		RNGN1204	UH1	SHRN4A	BM510	LW4
CRDNN 3225P12-A7	32	25	170	32	12.5	●	RNGN1207	UH1	SHRN4A	BM510	LW4
CRDNN 3225P12-X7	32	25	170	32	12.5		RNGX1207	UH5	SHRN4A	BM510	LW4
CRDNN 3225P15-A7	32	25	170	32	12.5		RNGN1507	UH1	SHRN5A	BM510	LW4
CRDNN 3225P19-A7	32	25	170	32	12.5	●	RNGN1907	UH4	SHRN6	FM512	LW6

Spare parts											
Clamp & Clamp Screw			Shim				Shim Screw			Wrench	
UH1	UH4	UH5	SHRN3A	SHRN4A	SHRN5A	SHRN6	BM510	TM3507	FM512	LW4	LW6

RNGN	RNGX .. DP
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CERAMIC

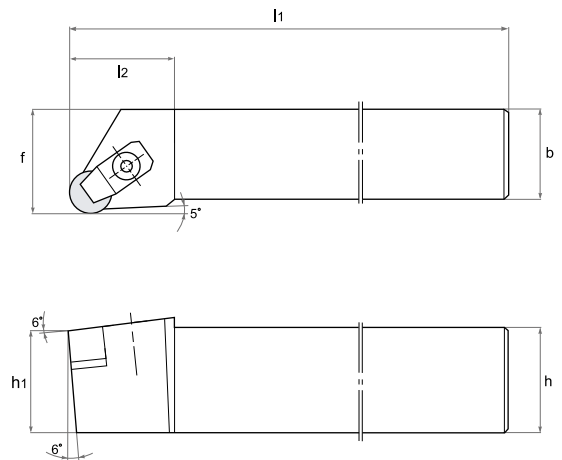
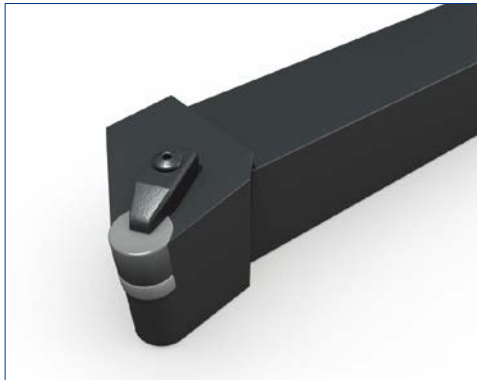
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Type	Dimensions [mm]					Stock	Insert	Spare Parts			
	h [h ₁]	b	l ₁	l ₂	f			R	Clamp & Clamp Screw	Shim	Shim Screw
CRGNR/L 2525M09-A4	25	25	150	32	32		RNGN0904	UH1	SHRN3A	TM3507	LW4
CRGNR/L 2525M09-A7	25	25	150	32	32	●	RNGN0907	UH1	SHRN3A	TM3507	LW4
CRGNR/L 2525M12-A4	25	25	150	35	32	●	RNGN1204	UH1	SHRN4A	BM510	LW4
CRGNR/L 2525M12-A7	25	25	150	35	32	●	RNGN1207	UH1	SHRN4A	BM510	LW4
CRGNR/L 2525M12-X7	25	25	150	35	32	●	RNGX1207	UH5	SHRN4A	BM510	LW4
CRGNR/L 3225P12-A4	32	25	170	35	32	●	RNGN1204	UH1	SHRN4A	BM510	LW4
CRGNR/L 3225P12-A7	32	25	170	35	32	●	RNGN1207	UH1	SHRN4A	BM510	LW4
CRGNR/L 3225P12-X7	32	25	170	35	32		RNGX1207	UH5	SHRN4A	BM510	LW4
CRGNR/L 3225P15-A7	32	25	170	37	32	●	RNGN1507	UH1	SHRN5A	BM510	LW4
CRGNR/L 3225P19-A7	32	25	170	45	32	●	RNGN1907	UH4	SHRN6	FM512	LW6

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Spare parts											
Clamp & Clamp Screw			Shim				Shim Screw			Wrench	
UH1	UH4	UH5	SHRN3A	SHRN4A	SHRN5A	SHRN6	BM510	TM3507	FM512	LW4	LW6

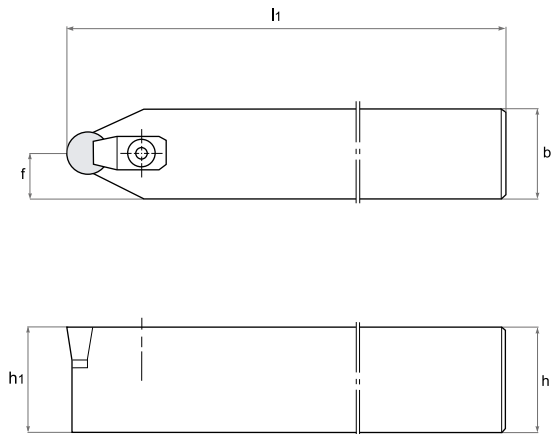
RNGN	RNGX .. DP
Page 36	Page 38

EXTERNAL TOOLHOLDER

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CRDB



Type	Dimensions (mm)				Stock	Insert	Spare Parts			
	h(h ₁)	b	l ₁	f			Clamp & Clamp Screw	Shim	Shim Screw	Wrench
CRDBN 2525M12-A	25	25	150	12.5	●	RBGX12T	UH1	SHRB12	SH3015	LW4
CRDBN 2525M16-A	25	25	150	12.5	●	RBGX16T	UH1	SHRB16	SH3515	LW4
CRDBN 3232P12-A	32	32	170	16	●	RBGX12T	UH1	SHRB12	SH3015	LW4
CRDBN 3232P16-A	32	32	170	16	●	RBGX16T	UH1	SHRB16	SH3515	LW4
CRDBN 3232P20-A	32	32	170	16		RBGX20T	UH4	SHRB20	SH5015	LW6
CRDBN 3232P26-A	32	32	170	16		RBGX26T	UH4	SHRB26	SH6015	LW6

Spare parts											
Clamp & Clamp Screw		Shim				Shim Screw				Wrench	
UH1	UH4	SHRB12	SHRB16	SHRB20	SHRB26	SH3015	SH3515	SH5015	SH6015	LW4	LW6

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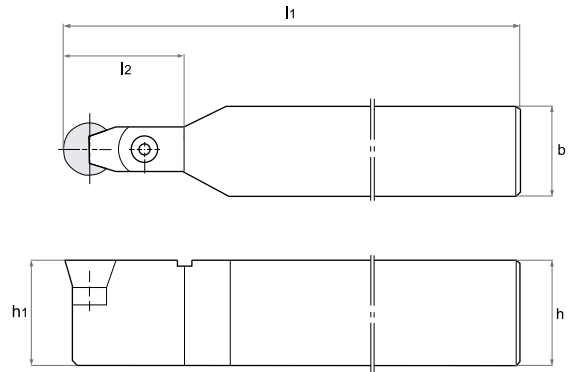
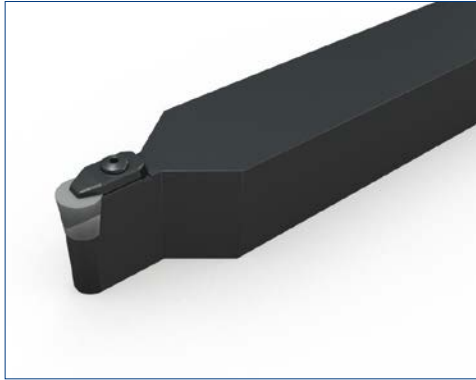
MILLING
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RBGX



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CRDC



Type	Dimensions [mm]				Stock	Insert	Spare Parts			
	h(h ₁)	b	l ₁	l ₂			Clamp & Clamp Screw	Shim	Shim Screw	Wrench
CRDCN 3225P06-A4	32	25	170	20	●	RCGX0604	CLRC6	SHRC102	-	LW3
CRDCN 3225P06-A6	32	25	170	20	●	RCGX0606	CLRC6	SHRC102	-	LW3
CRDCN 3225P06-A7	32	25	170	20	●	RCGX0607	CLRC6	SHRC102	-	LW3
CRDCN 3225P09-A7	32	25	170	20	●	RCGX0907	CLRC9	SHRC103	FM315	LW4
CRDCN 3225P12-A7	32	25	170	20	●	RCGX1207	UH1	SHRC104	FM415	LW4
CRDCN 5040T12-A7	50	40	300	30	●	RCGX1207	UH1	SHRC104	FM415	LW4
CRDCN 5040T15-A10	50	40	300	35	●	RCGX1510	UH1	SHRC105	FM415	LW4
CRDCN 5040T19-A10	50	40	300	45		RCGX1910	UH4	SHRC106	FM415	LW6
CRDCN 5040T25-A12	50	40	300	50		RCGX2512	UH25	SHRC108	FM615	LW6

CERAMIC

Spare parts										
Clamp & Clamp Screw			Shim			Shim Screw		Wrench		
CLRC6	CLRC9	UH25	SHRC102	SHRC103	SHRC104	FM210	FM315	LW3	LW4	LW6
UH1	UH4		SHRC105	SHRC106	SHRC108	FM415	FM615			

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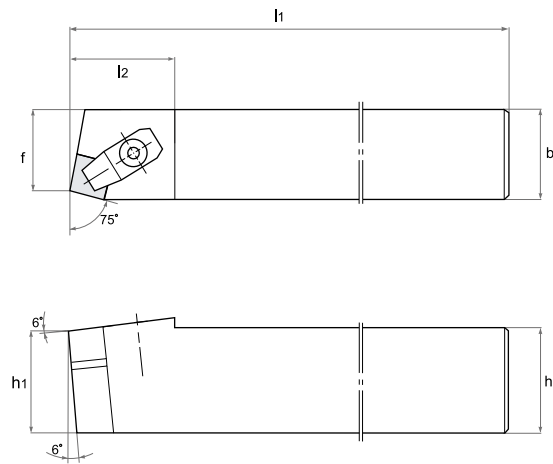
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EXTERNAL TOOLHOLDER

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Type	Dimensions (mm)					Stock		Insert	Spare Parts			
	h(h ₁)	b	l ₁	l ₂	f	R	L		Clamp & Clamp Screw	Shim	Shim Screw	Wrench
CSBNR/L 2525M12-A4	25	25	150	34	22	•	•	SNGN1204	UH1	SHSN4A	BM510	LW4
CSBNR/L 2525M12-A7	25	25	150	34	22	•	•	SNGN1207	UH1	SHSN4A	BM510	LW4
CSBNR/L 2525M12-X7	25	25	150	34	22	•		SNGX1207	UH5	SHSN4A	BM510	LW4
CSBNR/L 2525M15-A7	25	25	150	34	22			SNGN1507	UH1	SHSN5A	FM512	LW4
CSBNR/L 2525M15-X7	25	25	150	40	22			SNGX1507	UH5	SHSN5A	FM512	LW4
CSBNR/L 3225P12-A7	32	25	170	34	22	•	•	SNGN1207	UH1	SHSN4A	BM510	LW4
CSBNR/L 3225P12-X7	32	25	170	34	22	•		SNGX1207	UH5	SHSN4A	BM510	LW4
CSBNR/L 3225P15-A7	32	25	170	40	22	•		SNGN1507	UH1	SHSN5A	FM512	LW4
CSBNR/L 3225P15-X7	32	25	170	40	22			SNGX1507	UH5	SHSN5A	FM512	LW4
CSBNR/L 4040S19-A7	40	40	250	54	35			SNGN1907	UH4	SHSN6A	FM612	LW6
CSBNR/L 5050T25-A9	50	50	300	65	45			SNGN2509	UH25	SHSN8	FM815	LW6

Spare parts											
Clamp & Clamp Screw				Shim		Shim Screw			Wrench		
UH1	UH4	UH5	UH25	SHSN4A SHSN6A	SHSN5A SHSN8	BM510	FM512 FM815	FM612	LW4	LW6	



CERAMIC

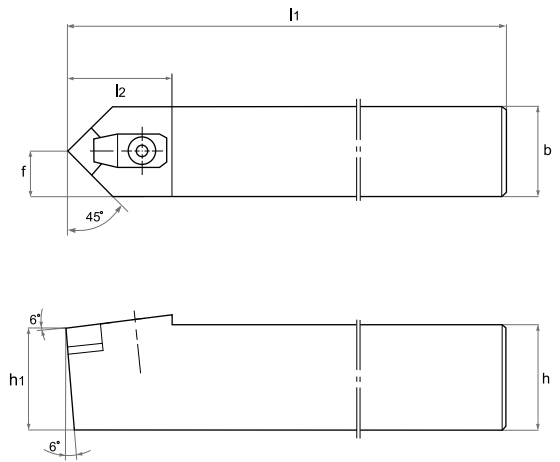
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CSDN



Type	Dimensions [mm]					Stock	Insert	Spare Parts			
	h(h ₁)	b	l ₁	l ₂	f			R	Clamp & Clamp Screw	Shim	Shim Screw
CSDNN 2525M12-A4	25	25	150	35	12.5	•	SNGN1204	UH1	SHSN4A	BM510	LW4
CSDNN 2525M12-A7	25	25	150	35	12.5	•	SNGN1207	UH1	SHSN4A	BM510	LW4
CSDNN 2525M12-X7	25	25	150	35	12.5		SNGX1207	UH5	SHSN4A	BM510	LW4
CSDNN 2525M15-A7	25	25	150	38	12.5		SNGN1507	UH1	SHSN5A	FM512	LW4
CSDNN 2525M15-X7	25	25	150	38	12.5		SNGX1507	UH5	SHSN5A	FM512	LW4
CSDNN 3225P12-A7	32	25	170	35	12.5	•	SNGN1207	UH1	SHSN4A	BM510	LW4
CSDNN 3225P12-X7	32	25	170	35	12.5		SNGX1207	UH5	SHSN4A	BM510	LW4
CSDNN 3225P15-A7	32	25	170	38	12.5	•	SNGN1507	UH1	SHSN5A	FM512	LW4
CSDNN 3225P15-X7	32	25	170	38	12.5		SNGX1507	UH5	SHSN5A	FM512	LW4
CSDNN 4040S19-A7	40	40	250	60	20	•	SNGN1907	UH4	SHSN6A	FM612	LW6
CSDNN 5050T25-A9	50	50	300	60	25	•	SNGN2509	UH25	SHSN8	FM815	LW6

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Spare parts										
Clamp & Clamp Screw				Shim		Shim Screw			Wrench	
UH1	UH4	UH5	UH25	SHSN4A SHSN6A	SHSN5A SHSN8	BM510	FM512 FM815	FM612	LW4	LW6

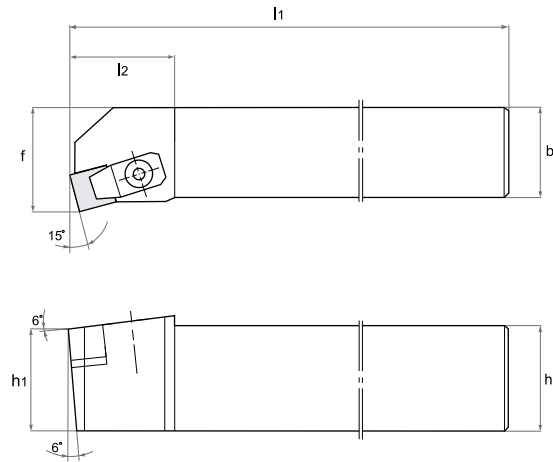
SNGN	SNGX
Page 41	Page 42

EXTERNAL TOOLHOLDER

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Type	Dimensions (mm)					Stock		Insert	Spare Parts			
	h(h _i)	b	l ₁	l ₂	f	R	L		Clamp & Clamp Screw	Shim	Shim Screw	Wrench
CSKNR/L 2525M12-A4	25	25	150	34	32			SNGN1204	UH1	SHSN4A	BM510	LW4
CSKNR/L 2525M12-A7	25	25	150	34	32	•	•	SNGN1207	UH1	SHSN4A	BM510	LW4
CSKNR/L 2525M12-X7	25	25	150	34	32	•	•	SNGX1207	UH5	SHSN4A	BM510	LW4
CSKNR/L 2525M15-A7	25	25	150	40	32			SNGN1507	UH1	SHSN5A	FM512	LW4
CSKNR/L 2525M15-X7	25	25	150	40	32			SNGX1507	UH5	SHSN5A	FM512	LW4
CSKNR/L 3225P12-A7	32	25	170	34	32			SNGN1207	UH1	SHSN4A	BM510	LW4
CSKNR/L 3225P12-X7	32	25	170	34	32		•	SNGX1207	UH5	SHSN4A	BM510	LW4
CSKNR/L 3225P15-A7	32	25	170	40	32	•	•	SNGN1507	UH1	SHSN5A	FM512	LW4
CSKNR/L 3225P15-X7	32	25	170	40	32			SNGX1507	UH5	SHSN5A	FM512	LW4

Spare parts						
Clamp & Clamp Screw		Shim		Shim Screw		Wrench
UH1	UH5	SHSN4A	SHSN5A	BM510	FM512	LW4

SNGN	SNGX
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CERAMIC

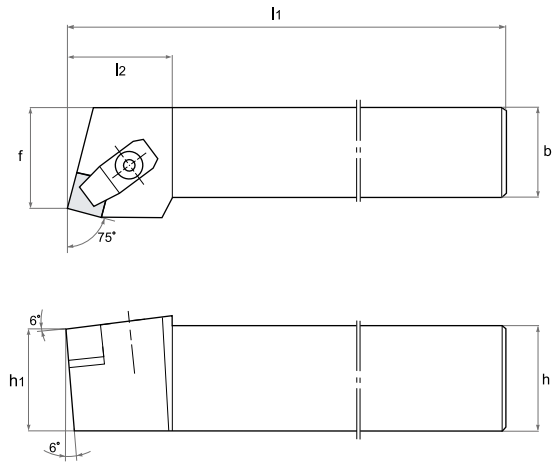
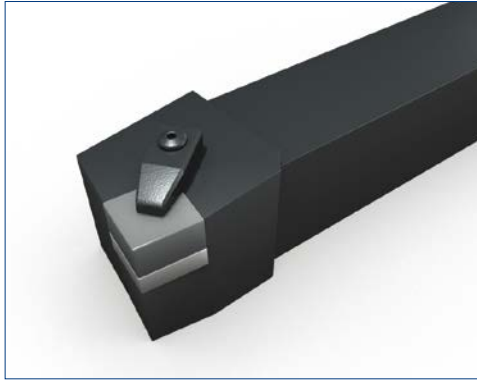
CERMET

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MILLING
CUTTER

CSRNR



Type	Dimensions [mm]					Stock		Insert	Spare Parts			
	h(h ₁)	b	l ₁	l ₂	f	R	L		Clamp & Clamp Screw	Shim	Shim Screw	Wrench
CSRNR/L 2525M12-A4	25	25	150	32	27	•	•	SNGN1204	UH1	SHSN4A	BM510	LW4
CSRNR/L 2525M12-A7	25	25	150	32	27	•	•	SNGN1207	UH1	SHSN4A	BM510	LW4
CSRNR/L 2525M12-X7	25	25	150	32	27	•		SNGX1207	UH5	SHSN4A	BM510	LW4
CSRNR/L 2525M15-A7	25	25	150	34	27			SNGN1507	UH1	SHSN5A	FM512	LW4
CSRNR/L 2525M15-X7	25	25	150	34	27			SNGX1507	UH5	SHSN5A	FM512	LW4
CSRNR/L 3225P12-A7	32	25	170	32	27			SNGN1207	UH1	SHSN4A	BM510	LW4
CSRNR/L 3225P12-X7	32	25	170	32	27			SNGX1207	UH5	SHSN4A	BM510	LW4
CSRNR/L 3225P15-A7	32	25	170	34	27	•	•	SNGN1507	UH1	SHSN5A	FM512	LW4
CSRNR/L 3225P15-X7	32	25	170	34	27	•		SNGX1507	UH5	SHSN5A	FM512	LW4
CSRNR/L 4040S19-A7	40	40	250	54	43			SNGN1907	UH4	SHSN6A	FM612	LW6
CSRNR/L 5050T25-A9	50	50	300	70	53			SNGN2509	UH25	SHSN8	FM815	LW6

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Spare parts										
Clamp & Clamp Screw				Shim		Shim Screw			Wrench	
UH1	UH4	UH5	UH25	SHSN4A SHSN6A	SHSN5A SHSN8	BM510	FM512 FM815	FM612	LW4	LW6

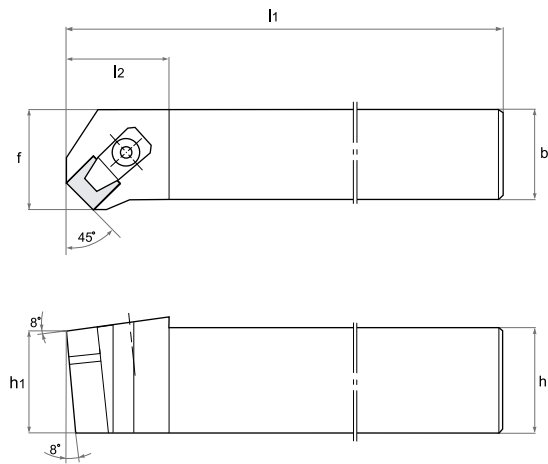
SNGN	SNGX
Page 41	Page 42

EXTERNAL TOOLHOLDER

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CSSNR



Type	Dimensions (mm)					Stock		Insert	Spare Parts			
	h(h _i)	b	l ₁	l ₂	f	R	L		Clamp & Clamp Screw	Shim	Shim Screw	Wrench
CSSNR/L 2525M12-A4	25	25	150	35	32			SNGN1204	UH1	SHSN4A	BM510	LW4
CSSNR/L 2525M12-A7	25	25	150	35	32	•	•	SNGN1207	UH1	SHSN4A	BM510	LW4
CSSNR/L 2525M12-X7	25	25	150	35	32		•	SNGX1207	UH5	SHSN4A	BM510	LW4
CSSNR/L 2525M15-A7	25	25	150	37	32	•		SNGN1507	UH1	SHSN5A	FM512	LW4
CSSNR/L 2525M15-X7	25	25	150	37	32			SNGX1507	UH5	SHSN5A	FM512	LW4
CSSNR/L 3225P12-A7	32	25	170	35	32	•		SNGN1207	UH1	SHSN4A	BM510	LW4
CSSNR/L 3225P12-X7	32	25	170	35	32			SNGX1207	UH5	SHSN4A	BM510	LW4
CSSNR/L 3225P15-A7	32	25	170	37	32			SNGN1507	UH1	SHSN5A	FM512	LW4
CSSNR/L 3225P15-X7	32	25	170	37	32			SNGX1507	UH5	SHSN5A	FM512	LW4

Spare parts						
Clamp & Clamp Screw		Shim		Shim Screw		Wrench
UH1	UH5	SHSN4A	SHSN5A	BM510	FM512	LW4

SNGN	SNGX
Page 41	Page 42

CERAMIC

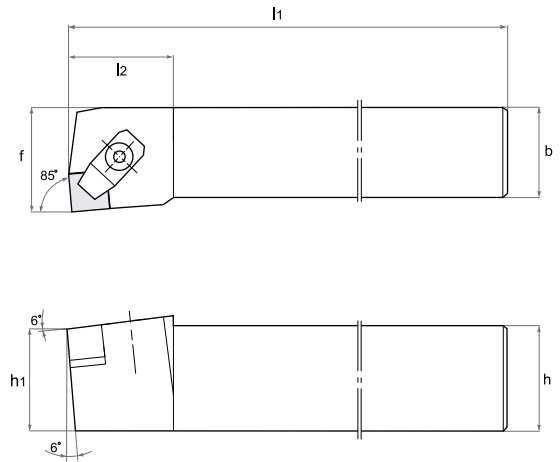
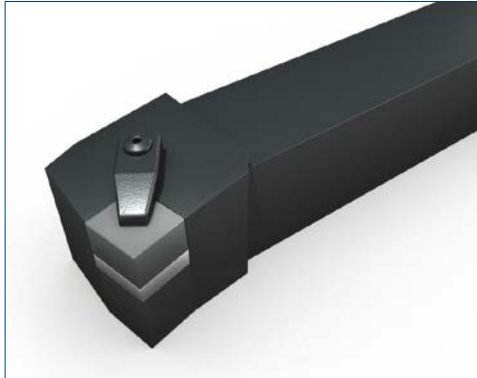
CERMET

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TOOL
HOLDER

MILLING
CUTTER

CSYN



Type	Dimensions [mm]					Stock		Insert	Spare Parts			
	h(h ₁)	b	l ₁	l ₂	f	R	L		Clamp & Clamp Screw	Shim	Shim Screw	Wrench
CSYNR/L 2525M12-A4	25	25	150	27	32	•		SNGN1204	UH1	SHSN4A	BM510	LW4
CSYNR/L 2525M12-A7	25	25	150	27	32	•		SNGN1207	UH1	SHSN4A	BM510	LW4
CSYNR/L 2525M12-X7	25	25	150	27	32			SNGX1207	UH5	SHSN4A	BM510	LW4
CSYNR/L 2525M15-A7	25	25	150	27	32			SNGN1507	UH1	SHSN5A	FM512	LW4
CSYNR/L 2525M15-X7	25	25	150	27	32			SNGX1507	UH5	SHSN5A	FM512	LW4
CSYNR/L 3225P12-A7	32	25	170	27	32			SNGN1207	UH1	SHSN4A	BM510	LW4
CSYNR/L 3225P12-X7	32	25	170	27	32			SNGX1207	UH5	SHSN4A	BM510	LW4
CSYNR/L 3225P15-A7	32	25	170	27	32			SNGN1507	UH1	SHSN5A	FM512	LW4
CSYNR/L 3225P15-X7	32	25	170	27	32			SNGX1507	UH5	SHSN5A	FM512	LW4

CERAMIC

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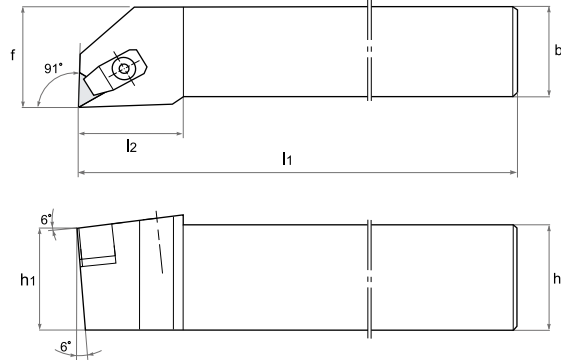
Spare parts						
Clamp & Clamp Screw		Shim		Shim Screw		Wrench
UH1	UH5	SHSN4A	SHSN5A	BM510	FM512	LW4

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EXTERNAL TOOLHOLDER







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Type	Dimensions (mm)					Stock		Insert	Spare Parts			
	h(h ₁)	b	l ₁	l ₂	f	R	L		Clamp & Clamp Screw	Shim	Shim Screw	Wrench
CTFNR/L 2525M16-A4	25	25	150	29	32			TNGN1604	UH1	SHTN3A	BM408	LW4
CTFNR/L 2525M16-A7	25	25	150	29	32			TNGN1607	UH1	SHTN3A	BM408	LW4
CTFNR/L 2525M22-A4	25	25	150	32	32			TNGN2204	UH1	SHTN4	FM410	LW4
CTFNR/L 2525M22-A7	25	25	150	32	32	•		TNGN2207	UH1	SHTN4	FM410	LW4
CTFNR/L 3225P16-A4	32	25	170	29	32			TNGN1604	UH1	SHTN3A	BM408	LW4
CTFNR/L 3225P16-A7	32	25	170	29	32			TNGN1607	UH1	SHTN3A	BM408	LW4
CTFNR/L 3225P22-A4	32	25	170	32	32			TNGN2204	UH1	SHTN4	FM410	LW4
CTFNR/L 3225P22-A7	32	25	170	32	32			TNGN2207	UH1	SHTN4	FM410	LW4

Spare parts					
Clamp & Clamp Screw	Shim		Shim Screw		Wrench
					
UH1	SHTN3A	SHTN4A	BM408	FM410	LW4

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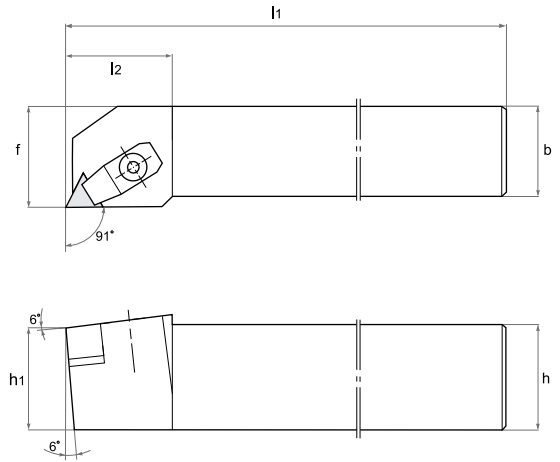
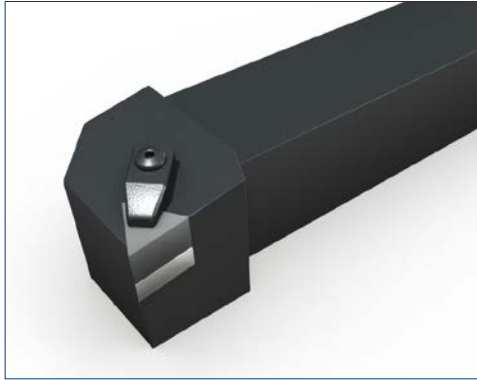
MILLING
CUTTER

TNGN



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CTGN



Type	Dimensions [mm]					Stock		Insert	Spare Parts			
	h [h ₁]	b	l ₁	l ₂	f	R	L		Clamp & Clamp Screw	Shim	Shim Screw	Wrench
CTGNR/L 2525M16-A4	25	25	150	26	32	•	•	TNGN1604	UH1	SHTN3A	BM408	LW4
CTGNR/L 2525M16-A7	25	25	150	26	32		•	TNGN1607	UH1	SHTN3A	BM408	LW4
CTGNR/L 2525M22-A4	25	25	150	26	32	•		TNGN2204	UH1	SHTN4	FM410	LW4
CTGNR/L 2525M22-A7	25	25	150	26	32			TNGN2207	UH1	SHTN4	FM410	LW4
CTGNR/L 3225P16-A4	32	25	170	26	32	•	•	TNGN1604	UH1	SHTN3A	BM408	LW4
CTGNR/L 3225P16-A7	32	25	170	26	32			TNGN1607	UH1	SHTN3A	BM408	LW4
CTGNR/L 3225P22-A4	32	25	170	26	32			TNGN2204	UH1	SHTN4	FM410	LW4
CTGNR/L 3225P22-A7	32	25	170	26	32			TNGN2207	UH1	SHTN4	FM410	LW4






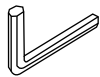
CERAMIC

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PCD

TOOL
HOLDER

MILLING
CUTTER

Spare parts					
Clamp & Clamp Screw	Shim		Shim Screw		Wrench
					
UH1	SHTN3A	SHTN4A	BM408	FM410	LW4

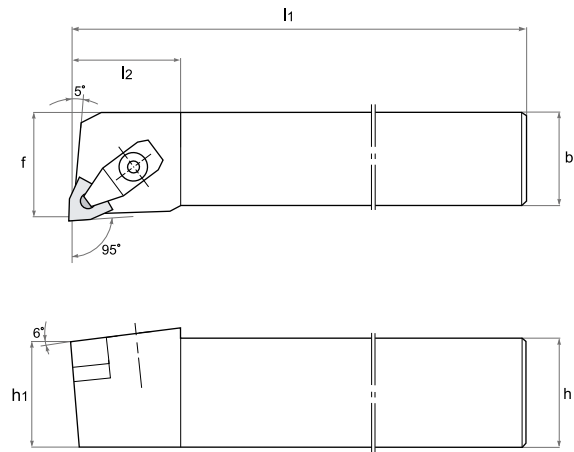
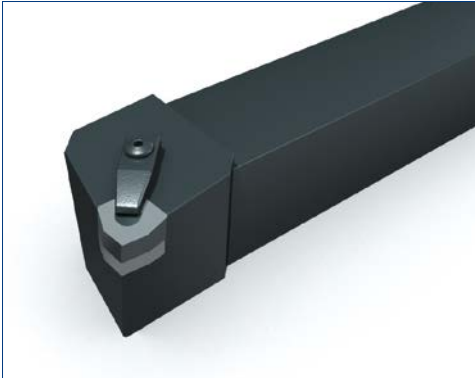


EXTERNAL TOOLHOLDER

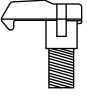



PART.
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TURNING
&
MILLING

CWLN



Type	Dimensions (mm)					Stock		Insert	Spare Parts			
	h(h ₁)	b	l ₁	l ₂	f	R	L		Clamp & Clamp Screw	Shim	Shim Screw	Wrench
CWLN/L 2525M08-X7	25	25	150	28	32	•	•	WNGX0807	UH5	SHWN4A	TM4010	LW4
CWLN/L 3225M08-X7	32	25	150	28	32	•	•	WNGX0807	UH5	SHWN4A	TM4010	LW4

Spare parts			
Clamp & Clamp Screw	Shim	Shim Screw	Wrench
			
UH5	SHWN4A	TM4010	LW4

CERAMIC

CERMET

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PCD

TOOL
HOLDER

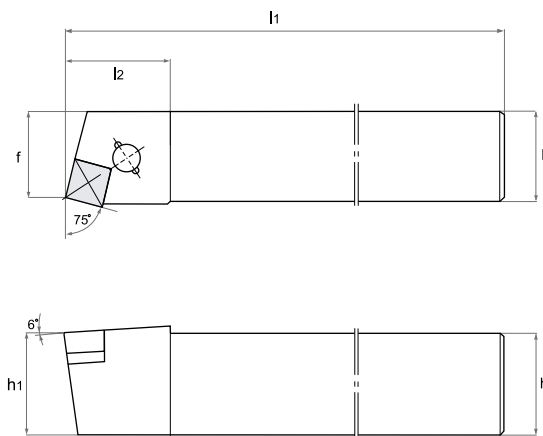
MILLING
CUTTER

WNGX







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CSRC



Type	Dimensions [mm]					Stock		Insert	Spare Parts			
	$h(h_1)$	b	l_1	l_2	f	R	L		Clamp & Clamp Screw	Shim	Shim Screw	Wrench
CSRCR/L 2525M12-A4	25	25	150	32	27	•		SCGN1204	UH1	SHSC4A	SP3	LW4
CSRCR/L 3225P12-A4	32	25	170	32	27			SCGN1204	UH1	SHSC4A	SP3	LW4

Spare parts			
Clamp & Clamp Screw	Shim	Shim Screw	Wrench
			
UH1	SHSC4A	SP3	LW4

CERAMIC

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TOOL
HOLDER

MILLING
CUTTER

SCGN



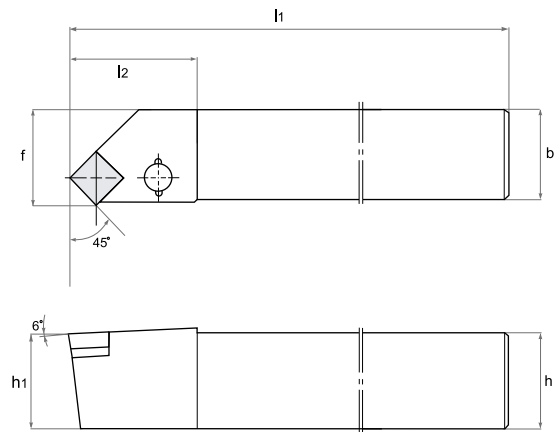
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EXTERNAL TOOLHOLDER

PART.
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TURNING
&
MILLING

CSSC



Type	Dimensions (mm)					Stock		Insert	Spare Parts			
	h(h ₁)	b	l ₁	l ₂	f	R	L		Clamp & Clamp Screw	Shim	Shim Screw	Wrench
CSSCR/L 2525M12-A4	25	25	150	35	32	•		SCGN1204	UH1	SHSC4A	SP3	LW4
CSSCR/L 2525M12-A6	25	25	150	35	32			SCGN1206	UH1	SHSC4A	SP3	LW4
CSSCR/L 3225P12-A4	32	25	170	35	32			SCGN1204	UH1	SHSC4A	SP3	LW4
CSSCR/L 3225P12-A6	32	25	170	35	32			SCGN1206	UH1	SHSC4A	SP3	LW4

Spare parts			
Clamp & Clamp Screw	Shim	Shim Screw	Wrench
UH1	SHSC4A	SP3	LW4

CERAMIC

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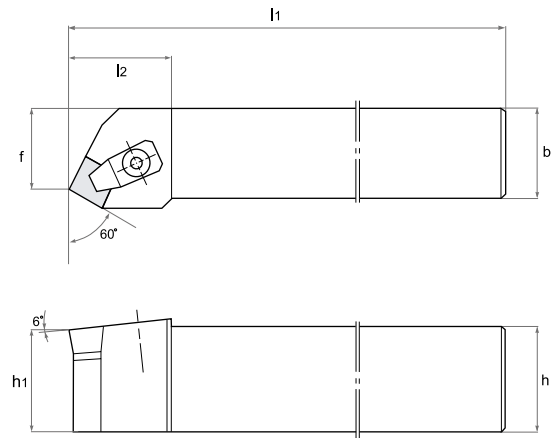
MILLING
CUTTER

SCGN



Page 43

CSTP



Type	Dimensions [mm]					Stock		Insert	Spare Parts			
	h [h ₁]	b	l ₁	l ₂	f	R	L		Clamp & Clamp Screw	Shim	Shim Screw	Wrench
CSTPR/L 2020K09-A3	20	20	125	24	17			SPGN0903	UH1	SHSC3A	SP3	LW4
CSTPR/L 2020K12-A3	20	20	125	30	17			SPGN1203	UH1	SHSC4A	SP3	LW4
CSTPR/L 2020K12-A4	20	20	125	30	17			SPGN1204	UH1	SHSC4A	SP3	LW4
CSTPR/L 2525M12-A3	25	25	150	30	22			SPGN1203	UH1	SHSC4A	SP3	LW4
CSTPR/L 2525M12-A4	25	25	150	30	22			SPGN1204	UH1	SHSC4A	SP3	LW4

Spare parts				
Clamp & Clamp Screw	Shim		Shim Screw	Wrench
UH1	SHSC3A	SHSC4A	SP3	LW4

CERAMIC

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TOOL
HOLDER

MILLING
CUTTER

SPGN



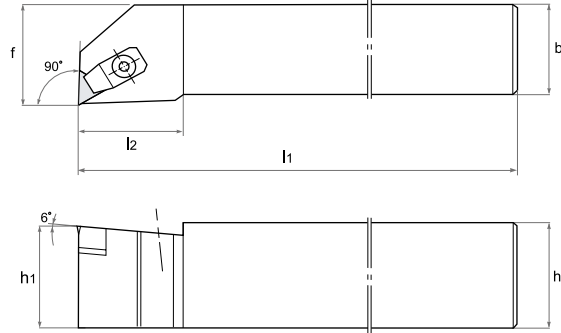
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EXTERNAL TOOLHOLDER





PART.
A

TURNING
&
MILLING

CTFP



Type	Dimensions (mm)					Stock		Insert	Spare Parts			
	h(h ₁)	b	l ₁	l ₂	f	R	L		Clamp & Clamp Screw	Shim	Shim Screw	Wrench
CTFPR/L 2020K16-A3	20	20	125	20	25			TPGN1603	UH1	SHTC3A	SP3	LW4
CTFPR/L 2525M16-A3	25	25	150	20	32			TPGN1603	UH1	SHTC3A	SP3	LW4

Spare parts			
Clamp & Clamp Screw	Shim	Shim Screw	Wrench
			
UH1	SHTC3A	SP3	LW3 LW4

CERAMIC

CERMET

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PCD

TOOL
HOLDER

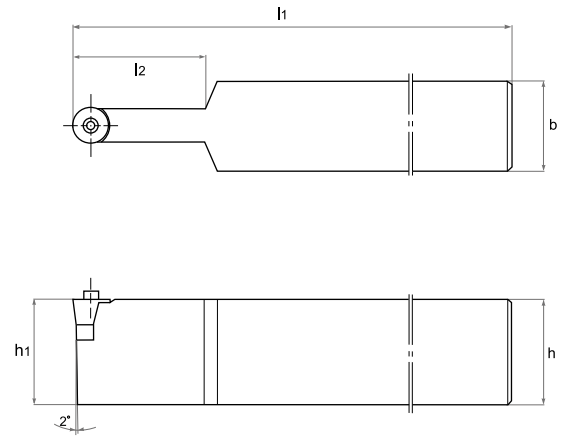
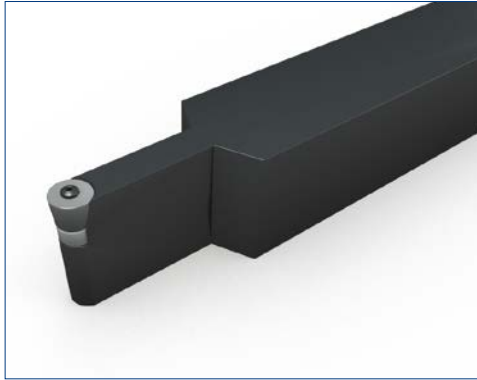
MILLING
CUTTER

TPGN



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HRCD



Type	Dimensions [mm]				Stock	Insert	Spare Parts		
	h(h ₁)	b	l ₁	l ₂			Clamp & Clamp Screw	Shim	Wrench
HRCD 2525M12-B6	25	25	150	15	●	CDH1206	HB 2	SHCD22	LW2.5
HRCD 2525M19-B9	25	25	150	15	●	CDH1909	HB 3	SHCD33	LW5
HRCD 3225R19-B9	32	25	200	38	●	CDH1909	HB 3	SHCD33	LW5
HRCD 4035S19-B9	40	35	250	45	●	CDH1909	HB 3	SHCD33	LW5
HRCD 4035S32-B19	40	35	250	45		CDH3219	HB 5	SHCD53	LW6
HRCD 5050T32-B19	50	50	300	50		CDH3219	HB 5	SHCD53	LW6

Spare parts									
Clamp & Clamp Screw			Shim			Wrench			
HB2	HB3	HB5	SHCD22	SHCD33	SHCD53	LW2.5	LW5	LW6	

CERAMIC

CERMET

PCBN
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PCD

TOOL
HOLDER

MILLING
CUTTER

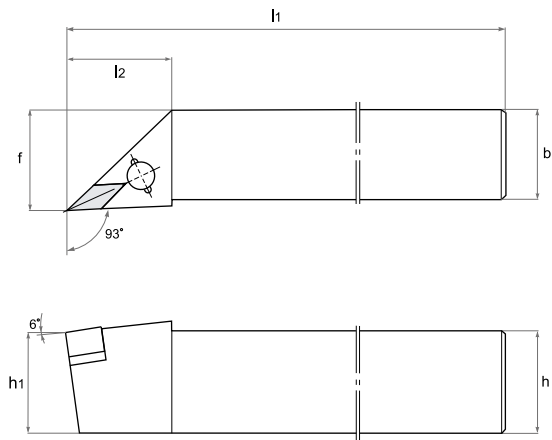


EXTERNAL TOOLHOLDER

PART.
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TURNING
&
MILLING

CVJN



Type	Dimensions (mm)					Stock		Insert	Spare Parts			
	h(h ₁)	b	l ₁	l ₂	f	R	L		Clamp & Clamp Screw	Shim	Shim Screw	Wrench
CVJNR/L 2525M16-A4	25	25	150	41	32	•	•	VNGN1604	SM4	SHVN3A	TM412	LW4
CVJNR/L 2525M16-X7	25	25	150	41	32	•	•	VNGX1607	SM4	SHVN3A	TM412	LW4
CVJNR/L 3225P16-X7	32	25	170	41	32	•		VNGX1607	SM4	SHVN3A	TM412	LW4

Spare parts			
Clamp & Clamp Screw	Shim	Shim Screw	Wrench
SM4	SHVN3A	TM412	LW4

CERAMIC

CERMET

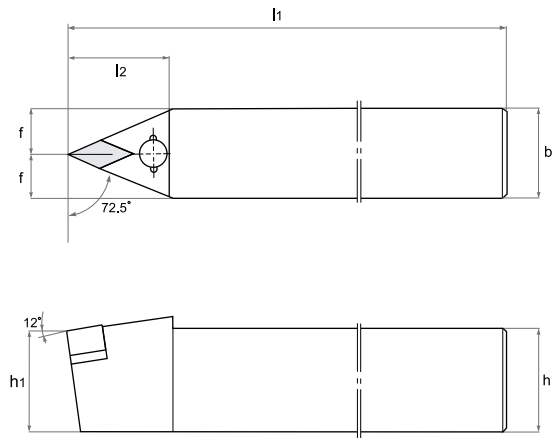
PCBN
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PCD

TOOL
HOLDER

MILLING
CUTTER

VNGN	VNGX
Page 49	Page 50

CVVN



Type	Dimensions [mm]					Stock	Insert	Spare Parts			
	h [h ₁]	b	l ₁	l ₂	f			Clamp & Clamp Screw	Shim	Shim Screw	Wrench
CVVNN 2525M16-A4	25	25	150	45	12.5		VNGN1604	SM4	SHVN3A	TM412	LW4
CVVNN 2525M16-X7	25	25	150	45	12.5		VNGX1607	SM4	SHVN3A	TM412	LW4
CVVNN 3225P16-X7	32	25	170	45	12.5	•	VNGX1607	SM4	SHVN3A	TM412	LW4

Spare parts			
Clamp & Clamp Screw	Shim	Shim Screw	Wrench
SM4	SHVN3A	TM412	LW4

CERAMIC

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TOOL
HOLDER

MILLING
CUTTER

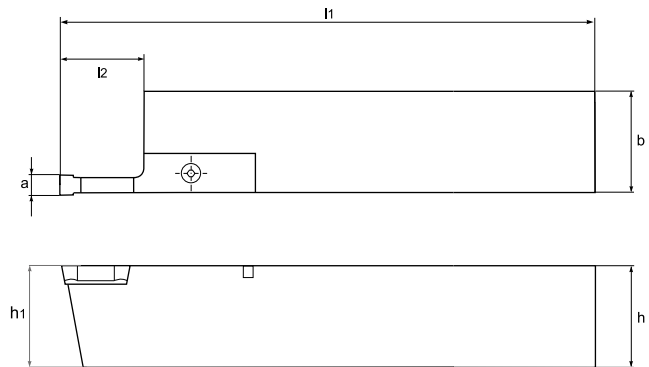
VNGN	VNGX
Page 49	Page 50

EXTERNAL TOOLHOLDER

PART.
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TURNING
&
MILLING

CSBF



Type	Dimensions (mm)					Stock		Insert	Spare Parts	
	a	h[h ₁]	b	l ₁	l ₂	R	L		Clamp & Clamp Screw	Wrench
CSBF 5040P3228R/L	3.18	50	40	170	19			SYBF3228	SGD3 / BM518	LW3
CSBF 5040P4828R/L	4.78	50	40	170	19			SYBF4828	SGD4 / BM518	LW4
CSBF 5040P5528R/L	5.54	50	40	170	19			SYBF5528	SGD4 / BM518	LW4
CSBF 5040P6428R/L	6.35	50	40	170	19			SYBF6428	SGD6 / BM618	LW4
CSBF 5040P7928R/L	7.93	50	40	170	19			SYBF7928	SGD6 / BM618	LW4
CSBF 5040P9528R/L	9.52	50	40	170	19			SYBF9528	SGD9 / BM1018	LW5

Spare parts										
Clamp & Clamp Screw					Wrench					
SGD3	SGD4	SGD6	SGD9		BM518	BM618	BM1018	LW3	LW4	LW5

CERAMIC

CERMET

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PCD

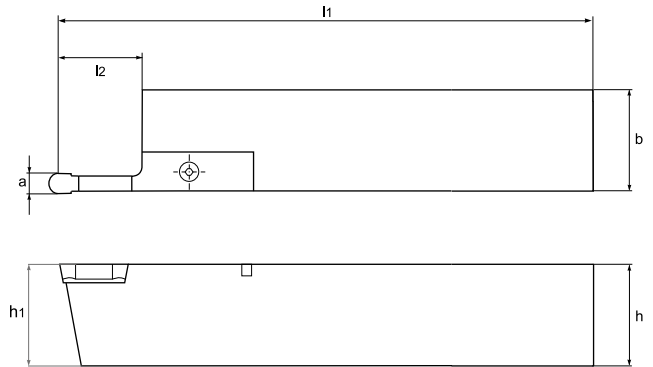
TOOL
HOLDER

MILLING
CUTTER

SYBF



CSBR



Type	Dimensions [mm]					Stock		Insert	Spare Parts	
	a	h(h ₁)	b	l ₁	l ₂	R	L		Clamp & Clamp Screw	Wrench
CSBR 5040P3228R/L	3.18	50	40	170	19			SYBR3228	SGD3 / BM518	LW3
CSBR 5040P4828R/L	4.78	50	40	170	19			SYBR4828	SGD4 / BM518	LW4
CSBR 5040P5528R/L	5.54	50	40	170	19			SYBR5528	SGD4 / BM518	LW4
CSBR 5040P6428R/L	6.35	50	40	170	19			SYBR6428	SGD6 / BM618	LW4
CSBR 5040P7928R/L	7.93	50	40	170	19			SYBR7928	SGD6 / BM618	LW4
CSBR 5040P9528R/L	9.52	50	40	170	19			SYBR9528	SGD9 / BM1018	LW5

Spare parts									
Clamp & Clamp Screw						Wrench			
SGD3	SGD4	SGD6	SGD9	BM518	BM618	BM1018	LW3	LW4	LW5

CERAMIC

CERMET

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TOOL
HOLDER

MILLING
CUTTER

SYBR

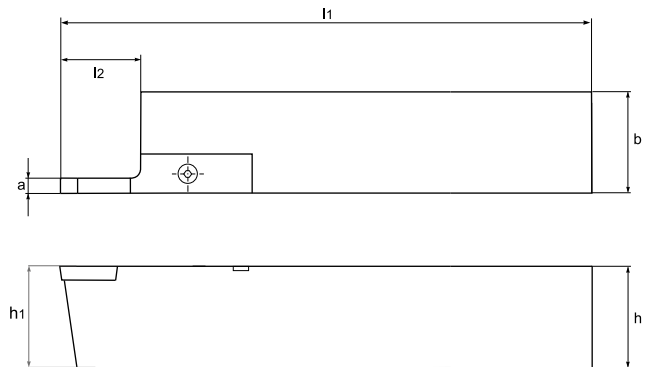
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EXTERNAL TOOLHOLDER

PART.
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TURNING
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MILLING

CSGF



Type	Dimensions (mm)					Stock		Insert	Spare Parts	
	a	h[h ₁]	b	l ₁	l ₂	R	L		Clamp & Clamp Screw	Wrench
CSGF 3225P4012R/L	4.0	32	25	170	19	•		SGF4012	SGL4 / BM518	LW3
CSGF 3225P5012R/L	5.0	32	25	170	19	•		SGF5012	SGL5 / BM518	LW4
CSGF 3225P6015R/L	6.0	32	25	170	19	•	•	SGF6015	SGL5 / BM518	LW4
CSGF 3225P7015R/L	7.0	32	25	170	19	•		SGF7015	SGL7 / BM618	LW5
CSGF 3225P8015R/L	8.0	32	25	170	19	•	•	SGF8015	SGL8 / BM618	LW5
CSGF 3225P1015R/L	10.0	32	25	170	19			SGF1015	SGL8 / BM618	LW5

Spare parts									
Clamp & Clamp Screw					Wrench				
SGL4	SGL5	SGL7	SGL8		BM518	BM618	LW3	LW4	LW5

CERAMIC

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TOOL
HOLDER

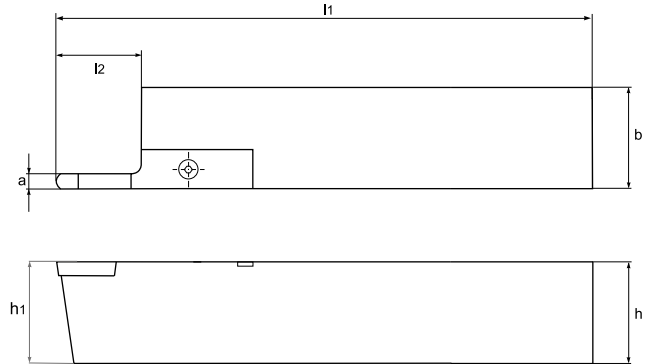
MILLING
CUTTER

SGF



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CSGR



Type	Dimensions [mm]					Stock		Insert	Spare Parts	
	a	h(h ₁)	b	l ₁	l ₂	R	L		Clamp & Clamp Screw	Wrench
CSGR 3225P4012R/L	4.0	32	25	170	19		•	SGR4012	SGL4 / BM518	LW3
CSGR 3225P5012R/L	5.0	32	25	170	19	•		SGR5012	SGL5 / BM518	LW4
CSGR 3225P6015R/L	6.0	32	25	170	19			SGR6015	SGL5 / BM518	LW4
CSGR 3225P7015R/L	7.0	32	25	170	19			SGR7015	SGL7 / BM618	LW5
CSGR 3225P8015R/L	8.0	32	25	170	19			SGR8015	SGL8 / BM618	LW5
CSGR 3225P1015R/L	10.0	32	25	170	19			SGR1015	SGL8 / BM618	LW5

Spare parts									
Clamp & Clamp Screw					Wrench				
SGL4	SGL5	SGL7	SGL8		BM518	BM618	LW3	LW4	LW5

CERAMIC

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TOOL
HOLDER

MILLING
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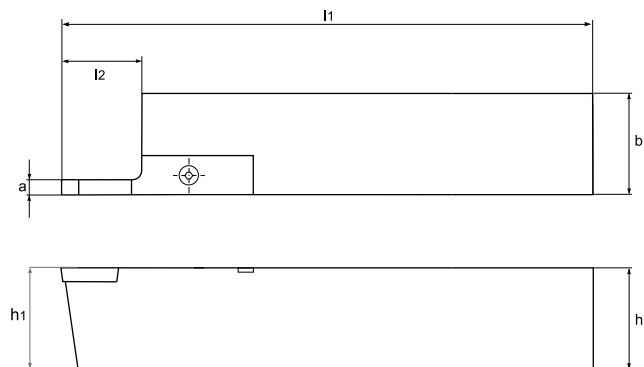


EXTERNAL TOOLHOLDER

PART.
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TURNING
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MILLING

CSSF



Type	Dimensions (mm)					Stock		Insert	Spare Parts	
	a	h[h ₁]	b	l ₁	l ₂	R	L		Clamp & Clamp Screw	Wrench
CSSF 3225P4012R/L	4.0	32	25	170	19	•	•	SSF4012	SGL4 / BM518	LW3
CSSF 3225P5012R/L	5.0	32	25	170	19	•		SSF5012	SGL5 / BM518	LW4
CSSF 3225P6015R/L	6.0	32	25	170	19	•		SSF6015	SGL5 / BM518	LW4
CSSF 3225P7015R/L	7.0	32	25	170	19			SSF7015	SGL7 / BM618	LW5
CSSF 3225P8015R/L	8.0	32	25	170	19			SSF8015	SGL8 / BM618	LW5
CSSF 3225P1015R/L	10.0	32	25	170	19			SSF1015	SGL8 / BM618	LW5

Spare parts									
Clamp & Clamp Screw					Wrench				
SGL4	SGL5	SGL7	SGL8	BM518	BM618	LW3	LW4	LW5	

CERAMIC

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TOOL
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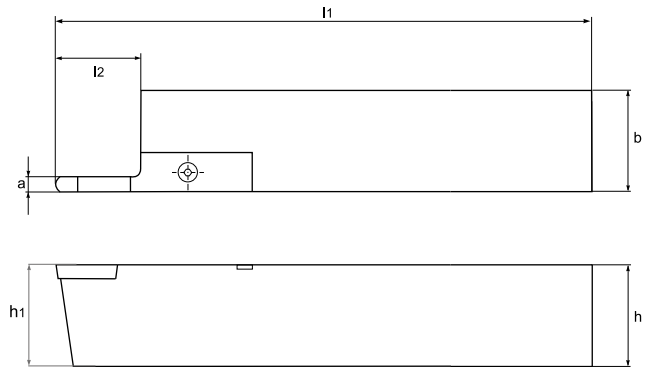
MILLING
CUTTER

SSF



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CSSR



Type	Dimensions [mm]					Stock		Insert	Spare Parts	
	a	h(h ₁)	b	l ₁	l ₂	R	L		Clamp & Clamp Screw	Wrench
CSSR 3225P4012R/L	4.0	32	25	170	19			SSR4012	SGL4 / BM518	LW3
CSSR 3225P5012R/L	5.0	32	25	170	19	•		SSR5012	SGL5 / BM518	LW4
CSSR 3225P6015R/L	6.0	32	25	170	19	•		SSR6015	SGL5 / BM518	LW4
CSSR 3225P7015R/L	7.0	32	25	170	19			SSR7015	SGL7 / BM618	LW5
CSSR 3225P8015R/L	8.0	32	25	170	19	•		SSR8015	SGL8 / BM618	LW5
CSSR 3225P1015R/L	10.0	32	25	170	19			SSR1015	SGL8 / BM618	LW5

Spare parts									
Clamp & Clamp Screw						Wrench			
SGL4	SGL5	SGL7	SGL8	BM518	BM618	LW3	LW4	LW5	

CERAMIC

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TOOL
HOLDER

MILLING
CUTTER

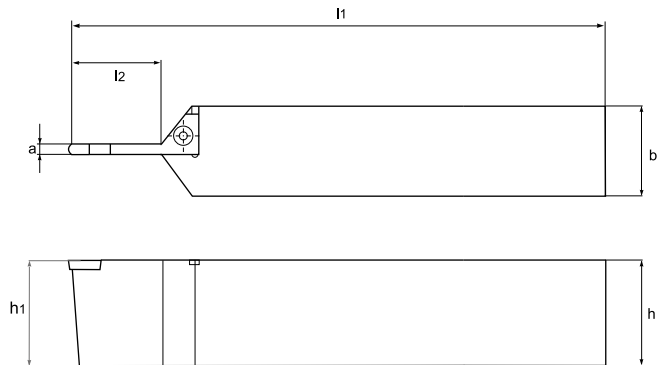
SSR

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EXTERNAL TOOLHOLDER

PART.
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CSSR .. N



TURNING
&
MILLING

Type	Dimensions (mm)					Stock	Insert	Spare Parts	
	a	h[h ₁]	b	l ₁	l ₂			Clamp & Clamp Screw	Wrench
CSSR 4040R4012.N5	4.0	40	40	200	5		SSR4012	GRW4012 / BM518	LW3
CSSR 5040P4012.N19	4.0	50	40	170	19		SSR4012	GRW4012 / BM518	LW3

Spare parts		
Clamp & Clamp Screw	Wrench	
GRW4012	BM518	LW4

CERAMIC

CERMET

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PCD

TOOL
HOLDER

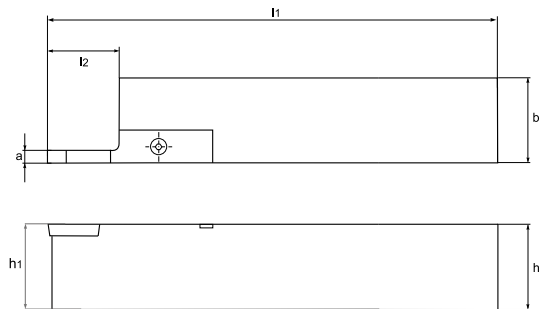
MILLING
CUTTER

SSR



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CBF/R



Type	Dimensions (mm)					Stock		Insert	Spare Parts		
	a	h(h ₁)	b	l ₁	l ₂	R	L		Clamp & Clamp Screw	Spring	Wrench
CBF/R 2525M094050R/L	2.3	25	25	150	19			WFP094050 WRP094050 WFC094050 WRC094050	WGL2.3 R/L & WCB6	WCS6	LW5
CBF/R 2525M125050R/L	3.1	25	25	150	19	•	•	WFP125050 WRP125050 WFC125050 WRC125050	WGL3.1 R/L & WCB6	WCS6	LW5
CBF/R 2525M156050R/L	3.9	25	25	150	19	•	•	WFP156050 WRP156050 WFC156050 WRC156050	WGL3.9 R/L & WCB6	WCS6	LW5
CBF/R 2525M187050R/L	4.7	25	25	150	19	•	•	WFP187050 WRP187050 WFC187050 WRC187050	WGL4.7 R/L & WCB6	WCS6	LW5
CBF/R 2525M218075R/L	5.5	25	25	150	29	•		WFP218075 WRP218075 WFC218075 WRC218075	WGL5.5 R/L & WCB6	WCS6	LW5
CBF/R 2525M250075R/L	6.3	25	25	150	29	•	•	WFP250075 WRP250075 WFC250075 WRC250075	WGL6.3 R/L & WCB6	WCS6	LW5
CBF/R 2525M281075R/L	7.1	25	25	150	29			WFP281075 WRP281075 WFC281075 WRC281075	WGL7.1 R/L & WCB6	WCS6	LW5
CBF/R 2525M312100R/L	7.9	25	25	150	38			WFP312100 WRP312100 WFC312100 WRC312100	WGL7.9 R/L & WCB6	WCS6	LW5
CBF/R 2525M344100R/L	8.7	25	25	150	38			WFP344100 WRP344100 WFC344100 WRC344100	WGL8.7 R/L & WCB6	WCS6	LW5
CBF/R 2525M375100R/L	9.5	25	25	150	38			WFP375100 WRP375100 WFC375100 WRC375100	WGL9.5 R/L & WCB6	WCS6	LW5

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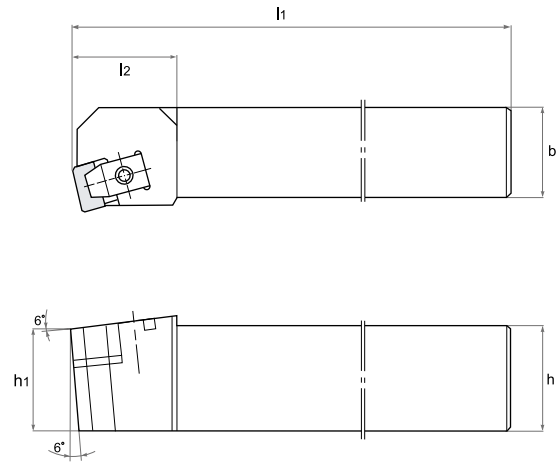
Spare parts			
Clamp & Clamp Screw		Spring	Wrench
WGL2.3 R/L ~ WGL9.5 R/L	WCB6	WCS6	LW5

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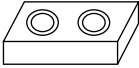


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Type	Dimensions (mm)				Stock		Insert	Spare Parts			
	h(h ₁)	b	l ₁	l ₂	R	L		Clamp & Clamp Screw	Shim	Shim Screw	Wrench
CLKNR/L 6060V65-A	60	60	400	70			LNJ6588	UH25	SHLJ65	BM510	LW6
CLKNR/L 6060V66-A	60	60	400	70			LNJ6688	UH25	SHLJ66	BM510	LW6

Spare parts				
Clamp & Clamp Screw	Shim		Shim Screw	Wrench
				
UH25	SHLJ65	SHLJ66	BM510	LW6

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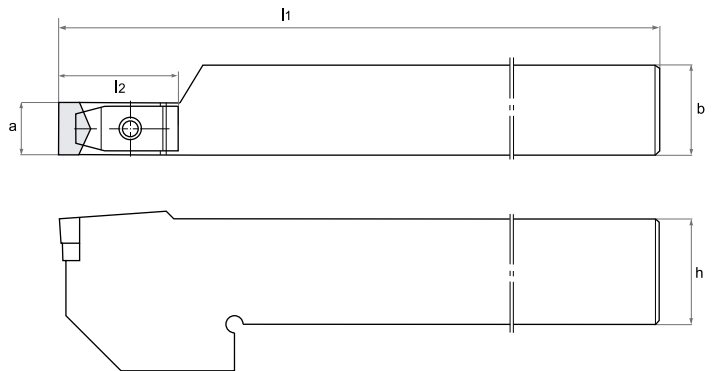
MILLING
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LNJ



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CFLN



Type	Dimensions [mm]					Stock	Insert	Spare Parts			
	a	h(h ₁)	b	l ₁	l ₂			R	Clamp & Clamp Screw	Shim	Shim Screw
CFLNN 6060U44-A	14	60	60	350	80		F10537	UH25	SHF10	BM510	LW6
CFLNN 5050T32-A	12	50	50	300	75		F13941	UH25	SHF13	BM510	LW6
CFLNN 4040R25-A	7	40	40	200	40		F250723	UH4	SHF25	BM510	LW4

Spare parts						
Clamp & Clamp Screw		Shim			Shim Screw	Wrench
UH4	UH25	SHF10	SHF13	SHF25	BM510	LW8

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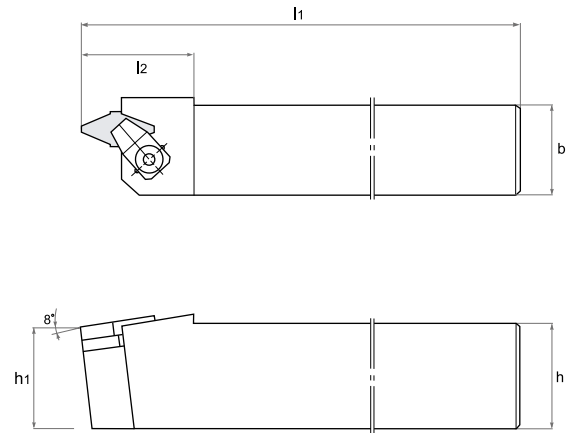
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F-Series	F-Series
Page 53	Page 54

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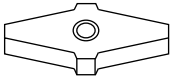


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Type	Dimensions (mm)				Stock	Insert	Spare Parts			
	h(h ₁)	b	l ₁	l ₂			R	Clamp & Clamp Screw	Shim	Shim Screw
CSVNN 3232P38-A7-26	32	32	170	38		SVW38260	UH1	SHSV3826	FM510	LW4
CSVNN 3232P38-A7-32	32	32	170	40		SVW38320	UH1	SHSV3832	FM510	LW4
CSVNN 3232P34-A7-40	32	32	170	50		SVW34400	UH1	SHSV3440	FM510	LW4

Spare parts					
Clamp & Clamp Screw	Shim			Shim Screw	Wrench
					
UH1	SHSV3826	SHSV3832	SHSV3440	FM510	LW4

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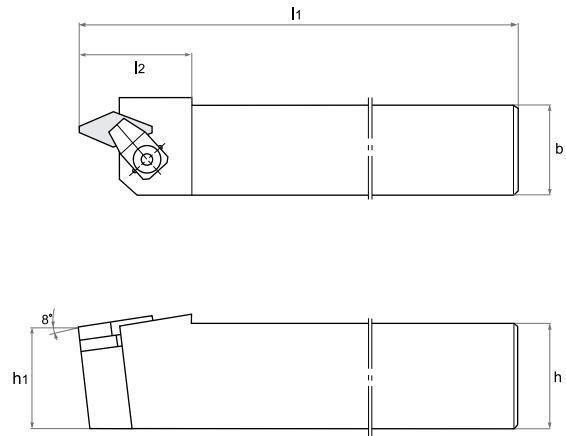
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SVW


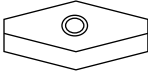




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CGVN



Type	Dimensions [mm]				Stock	Insert	Spare Parts			
	h(h ₁)	b	l ₁	l ₂			Clamp & Clamp Screw	Shim	Shim Screw	Wrench
CGVNN 3232P38-A7-32	32	32	170	48		GVGN38320	UH1	SHGV3832	FM510	LW4
CGVNN 3232P38-A7-33	32	32	170	46		GVGN38335	UH1	SHGV3833	FM510	LW4
CGVNN 3232P36-A7-34	32	32	170	49		GVGN36340	UH1	SHGV3634	FM510	LW4
CGVNN 3232P38-A7-36	32	32	170	44		GVGN38360	UH1	SHGV3836	FM510	LW4
CGVNN 3232P34-A7-36	32	32	170	44		GVGN34360	UH1	SHGV3436	FM510	LW4

Spare parts				
Clamp & Clamp Screw	Shim		Shim Screw	Wrench
				
UH1	SHGV3832 SHGV3836	SHGV3833 SHGV3436	SHGV3634	FM510
				LW4

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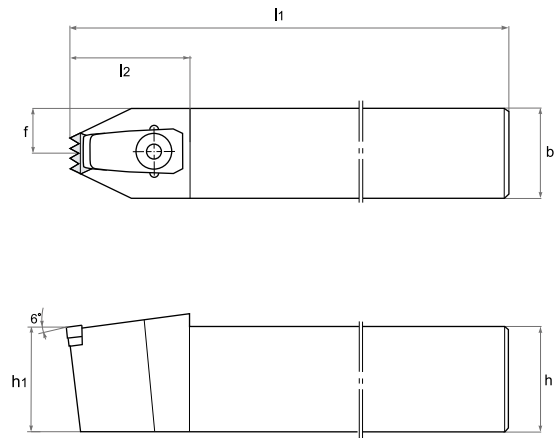


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
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Type	Dimensions (mm)					Stock	Insert	Spare Parts			
	h(h ₁)	b	l ₁	l ₂	f			Clamp & Clamp Screw	Shim	Shim Screw	Wrench
CINNN 2525M09-A4-F3	25	25	150	30	12.5	●	INGN160435F3	UH1	SHIN33F3	TM3008	LW4
CINNN 2525M12-A4-F4	25	25	150	34	12.5	●	INGN220435F4	UH1	SHIN43F4	TM4010	LW4
CINNN 3225P09-A4-F3	32	25	170	30	12.5		INGN160435F3	UH1	SHIN33F3	TM3008	LW4
CINNN 3225P12-A4-F4	32	25	170	34	12.5		INGN220435F4	UH1	SHIN43F4	TM4010	LW4

Spare parts				
Clamp & Clamp Screw	Shim		Shim Screw	Wrench
				
UH1	SHIN33F3	SHIN43F4	TM3008	TM4010
				LW4

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