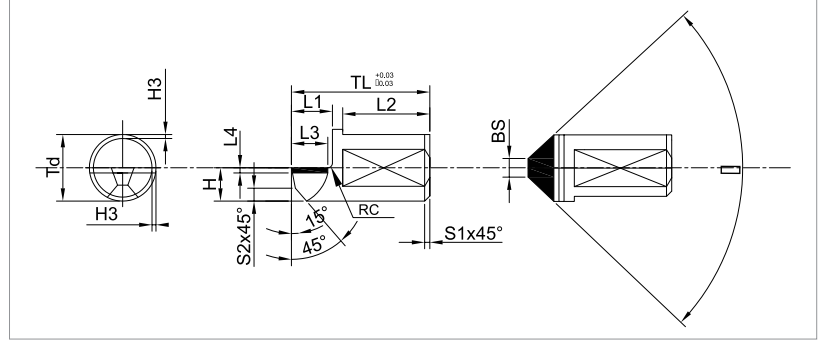
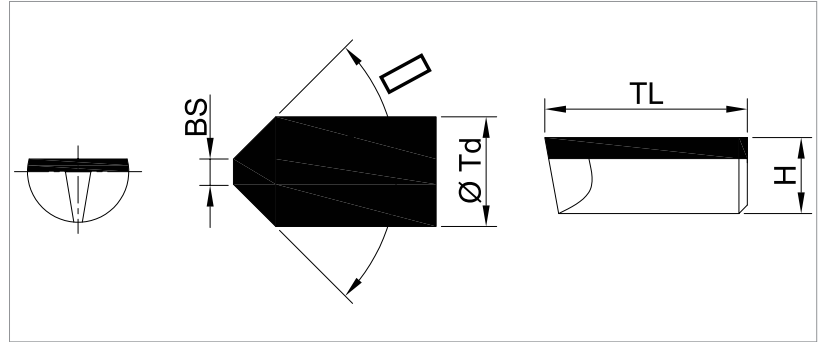
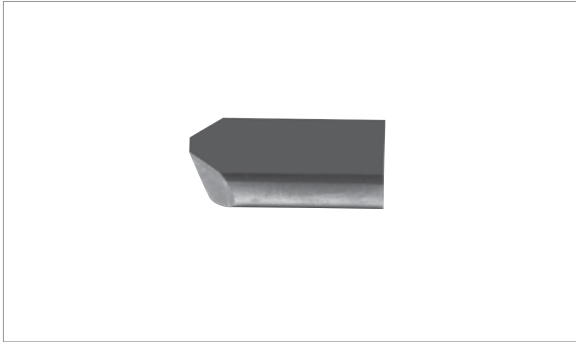




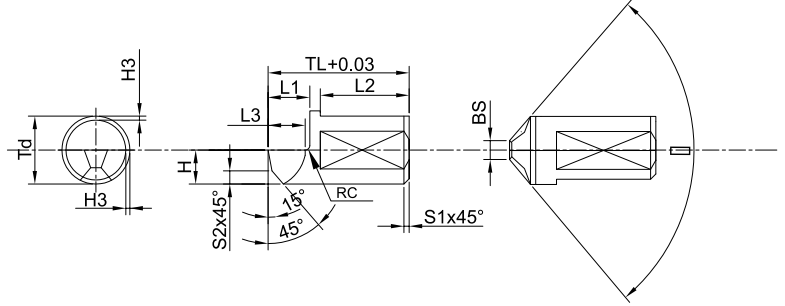


PCD	PcBN	EBAT DIMENSION	Td (mm)	TL (mm)	BS (mm)	L1	H
PCDHN625	CBNHN625	N6	2.5	5.0	0.8	1.6	1.8
PCDHN830	CBNHN830	N8	3	5.7	0.7	1.8	2.0
PCDHN104	CBNHN104	N10	4	7.0	0.9	2.1	2.2
PCDHN125	CBNHN125	N12	5	8.3	1.1	2.4	2.7
PCDHN145	CBNHN145	N14	5	10.0	1.2	2.6	2.7
PCDHN166	CBNHN166	N16	6	11.0	1.4	3.2	3.5
PCDHN186	CBNHN186	N18	6	14.0	1.6	3.2	3.5
PCDHN208	CBNHN208	N20	8	14.0	1.8	4.3	4.0
PCDHN228	CBNHN228	N22	8	15.0	2.0	4.3	4.0
PCDHN2410	CBNHN2410	N24	10	17.0	2.2	5	5.0
PCDHN2610	CBNHN2610	N26	10	19.0	2.4	5.3	5.0
PCDHN3012	CBNHN3012	N30	12	21.0	2.8	6.4	6.0
PCDHN3212	CBNHN3212	N32	12	22.1	3.0	6.4	6.0
PCDHN3614	CBNHN3614	N36	14	24.0	3.7	6.7	7.0
PCDHN4014	CBNHN4014	N40	14	29.0	4.0	6.7	7.0
Özel sipariş Special Order							

PCD & PcBN Nervür Ucu / PCD & PcBN Notch Tool - Tam Yüzey / Full Face

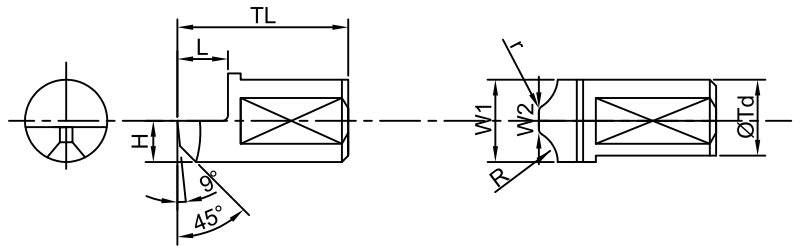
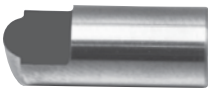


PCD	PcBN	EBAT DIMENSION	Ø Td (mm)	TL (mm)	BS (mm)	H (mm)
PCDFN620	CBNFN620	N6	2	3.5	0.6	1.2
PCDFN625	CBNFN625	N6	2.5	4.0	0.7	1.3
PCDFN830	CBNFN830	N8	3	5.7	0.9	1.5
PCDFN104	CBNFN104	N10	4	7.0	1.0	2.0
PCDFN124	CBNFN124	N12	4	9.0	1.0	2.0
PCDFN145	CBNFN145	N14	5	10.0	1.4	2.5
PCDFN166	CBNFN166	N16	6	12.0	1.6	3.0
PCDFN186	CBNFN186	N18	6	13.0	1.8	3.0
PCDFN257	CBNFN257	N25	7	15.0	2.5	3.5
PCDFN329	CBNFN329	N32	9	19.4	3.2	4.5
Özel sipariş Special Order						

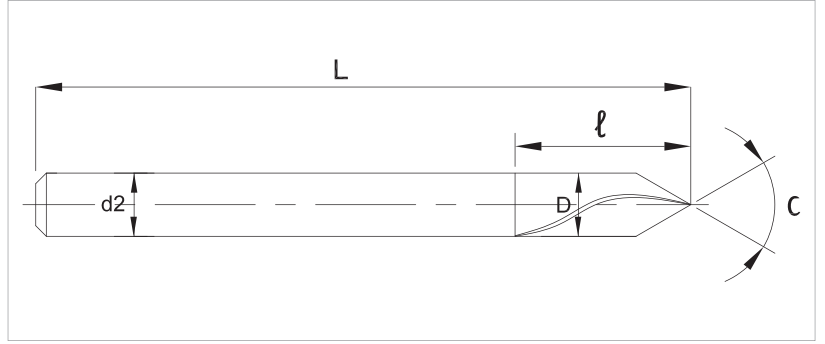


KOD / CODE	EBAT DIMENSION	Td (mm)	TL (mm)	BS (mm)	L1	H
CRN625	N6	2.5	5.0	0.8	1.6	1.8
CRN830	N8	3	5.7	0.7	1.8	2.0
CRN104	N10	4	7.0	0.9	2.1	2.2
CRN125	N12	5	8.3	1.1	2.4	2.7
CRN145	N14	5	10.0	1.2	2.6	2.7
CRN166	N16	6	11.0	1.4	3.2	3.5
CRN186	N18	6	14.0	1.6	3.2	3.5
CRN208	N20	8	14.0	1.8	4.3	4.0
CRN228	N22	8	15.0	2.0	4.3	4.0
CRN2410	N24	10	17.0	2.2	5	5.0
CRN2610	N26	10	19.0	2.4	5.3	5.0
CRN3012	N30	12	21.0	2.8	6.4	6.0
CRN3212	N32	12	22.1	3.0	6.4	6.0
CRN3614	N36	14	24.0	3.7	6.7	7.0
CRN4014	N40	14	29.0	4.0	6.7	7.0
CRN5016	N50	16	36.0	5.0	7.5	8.0
Özel sipariş Special Order						

(K05 & K10) Karbür ve PcBN Nervür Ucu Bambu Tip / (K05&K10) Carbide and PcBN Notch Tool Bamboo Type

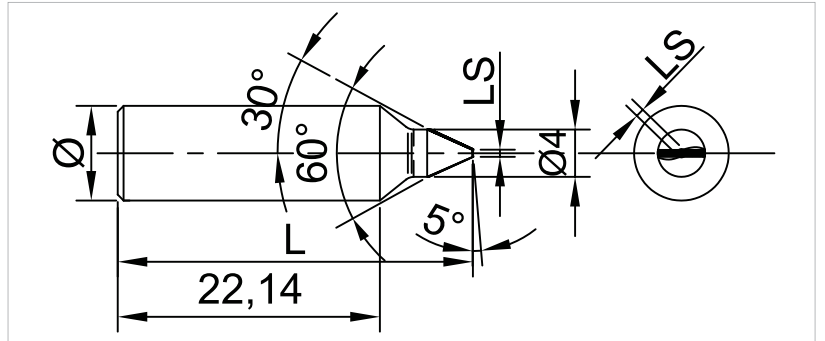


Karbür Carbide	PcBN	R	W1	W2	r	ØTd	TL	L	H
PCDBHN20	CBNBHN20	5.8	9	1.28	0.2	9	15	3.5	4.5
PCDBHN22	CBNBHN22	7.1	10.6	1.48	0.3	11	18.5	4	5.5
PCDBHN25	CBNBHN25	8.3	11	1.78	0.5	11	20	4	5.5
PCDBHN28	CBNBHN28	6.2	11	1.7	0.5	11	23	5	5.5
PCDBHN30	CBNBHN30	6.6	11.4	1.78	0.5	12	24	5	6
PCDBHN32	CBNBHN32	9.5	13	2.2	0.5	13	26	5	6.5
PCDBHN40	CBNBHN40	10.7	15	2.6	0.5	15	31	5	7.5
Özel sipariş Special Order									



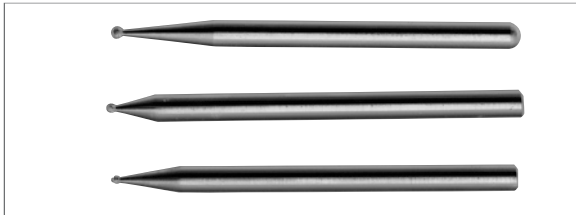
			Uç Kalınlığı / Web Thickness T= 0.1D	
UÇ ÇAPI / DIMENSION	Boy / Length	Kesici Helis Boyu / Flute Length	Şaft Çapı / Shaft Dia	Uç Açısı / Tip Angle
D	L	l	d2	a
ø 6 (mm)	60 mm	12 mm	ø 6 (mm)	60°
Özel sipariş Special Order				

PCD Markalama Kalemi / PCD Marking Tool

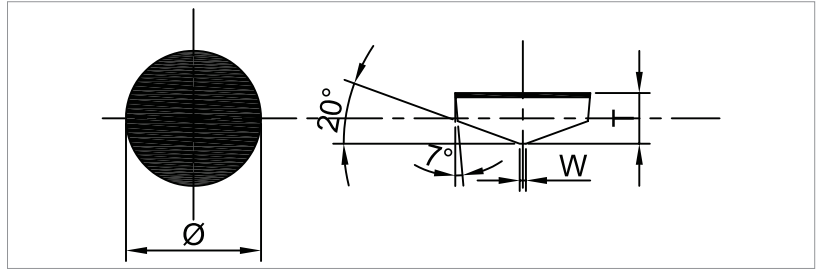
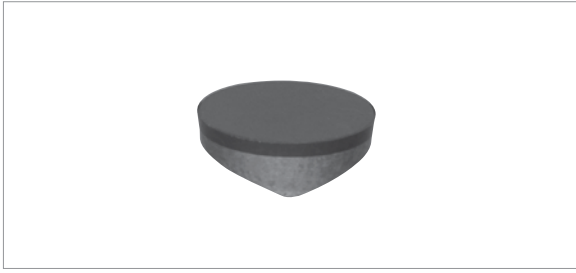


ÖLÇÜ / SPEC	ø (mm)	L	LS
N8	8	30	0.6
N10	8	30	0.8
N14 - N16	8	30	1
N20 - N25	8	30	1.2
N32	8	30	1.5

ED Markalama Kalemi / Ed Marking Tool

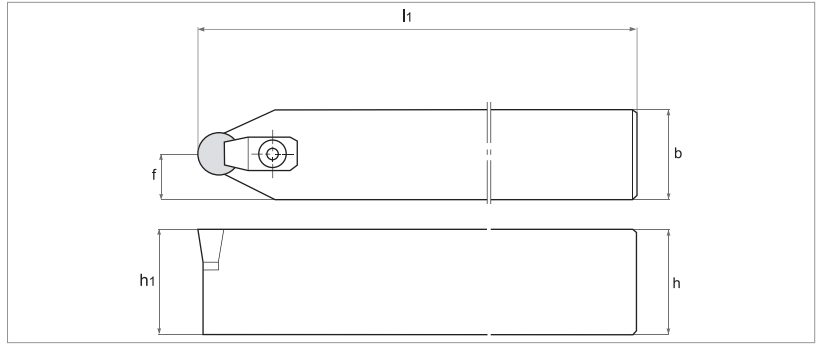


Uç Çapı / Dinemsion	Boy / Length	Şaft Çapı / Shaft Dia
ø 1 mm	30 - 60 mm	ø 3 mm
ø 1.2 mm	30 - 60 mm	ø 3 mm
ø 1.4 mm	30 - 60 mm	ø 3 mm
ø 1.8 mm	30 - 60 mm	ø 3 mm
ø 2.0 mm	30 - 60 mm	ø 3 mm



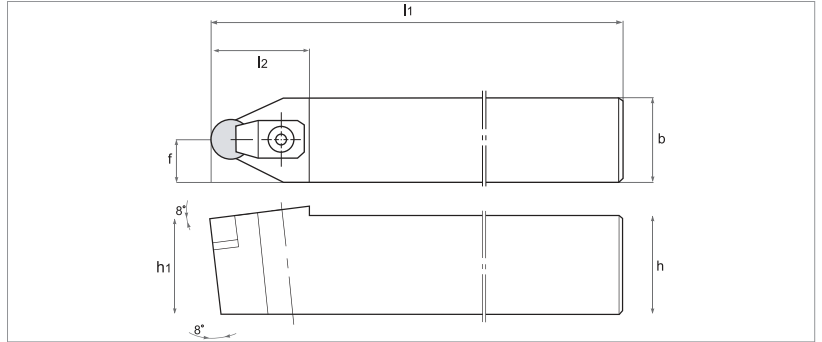
KOD / CODE	Ø (mm)±0.05	T (mm)±0.13	W (mm)±0.1
RCGX060300	6.35	3.18	0.73
RCGX075300	7.5	3.18	0.75
RCGX090300	9.525	3.18	0.75
RCGX110400	11.4	4.76	1
RCGX120400	12.7	4.76	1
RCGX151000	15.875	10	2
RCGX190600	19.05	6.35	4
Özel sipariş Special Order			

PCBN Kalibre Açma Kateri / PCBN Calibre Tool

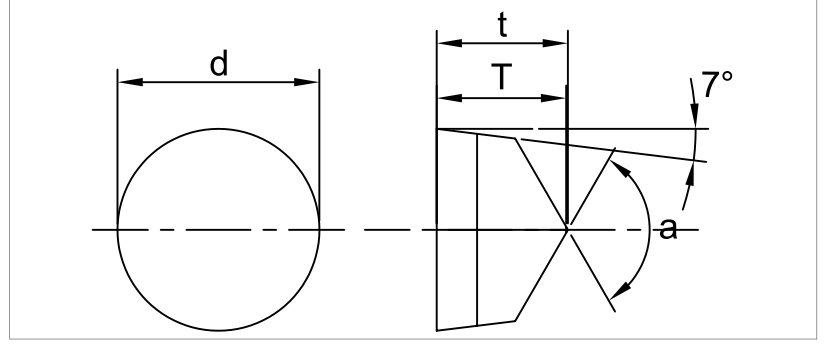


KOD / CODE	BOYUTLAR / SIZE (mm)		
	h (=h1)	b	l1
CRDCN3225T	32	25	170
Özel sipariş Special Order			

Sfero Merdane Kalibre Açma Kateri ve Karbür Ucu / Carbide Insert s and Tools for Sphero Roll Calibre

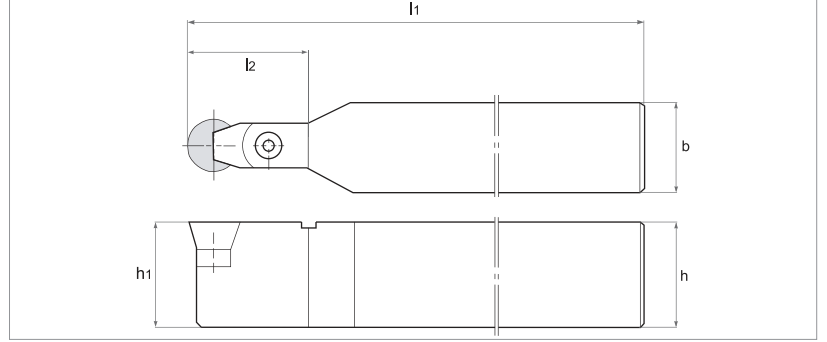


CRDNN	TAKIM BOYUTLARI / TOOL DINEMSION			KARBÜR UÇ BOYUTLARI / CARBIDE INSERT DIMENSIONS		
	Genişlik Width (mm)	Yükseklik Height (mm)	Uzunluk Lenght (mm)	Çap Diameter (mm)	Yükseklik Height (mm)	Pah Derecesi Chamfer
Özel sipariş Special Order						

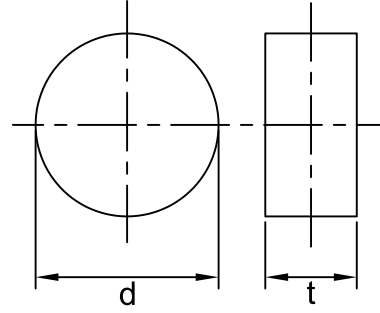


KOD / CODE	BOYUTLAR / SIZE (mm)				KESME KALİTESİ / CUTTING GRADE							
	d	t	T	a	ST100	ST300	ST500	ST700	SN26	SN300	SN400	SW800
RCGX060400	6.35	4.8	4.57	120°	*	*	*	*	*			*
RCGX060600	6.35	6.4	6.2	120°	*	*	*	*	*			*
RCGX060700	6.35	7.9	7.7	120°	*	*	*	*	*			*
RCGX090700	9.52	7.9	7.7	120°	*	*	*	*	*			*
RCGX120700	12.7	7.9	7.7	120°	*	*	*	*	*			*
RCGX151000	15.9	10	9.77	120°	*	*	*	*	*			*
RCGX191000	19.1	10	9.77	120°	*	*	*	*	*			*
RCGX251200	25.4	12	11.9	140°	*	*	*	*	*			*
Özel sipariş Special Order												

Kater / Tool Holder - CRDCN

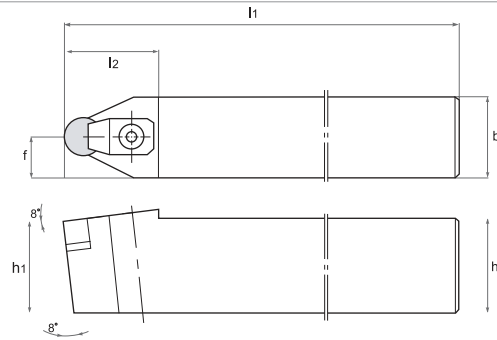


KOD / CODE	BOYUTLAR / SIZE (mm)				Kesici Uç / Insert	YEDEK PARÇALAR / SPARE PARTS			
	h (=h1)	b	l1	l2		Baskı Pabucu / Clamp	Vida / Screw	Altılık / Shim	Anahtar / Wrench
CRDCN 3225P06-A4	32	25	170	20	RCGX 0604..	CLRC6	FM210	SHRC102	SHRC102
CRDCN 3225P06-A6	32	25	170	20	RCGX 0606..	CLRC6	FM210	SHRC102	SHRC102
CRDCN 3225P06-A7	32	25	170	20	RCGX 0607..	CLRC6	FM210	SHRC102	SHRC102
CRDCN 3225P09-A7	32	25	170	20	RCGX 0907..	CLRC9	FM310	SHRC103	SHRC103
CRDCN 3225P12-A7	32	25	170	20	RCGX 1207..	CLRC9	FM310	SHRC104	SHRC104
CRDCN 5040T12-A7	50	40	300	30	RCGX 1207..	CLRC9	FM310	SHRC104	SHRC104
CRDCN 5040T15-A1	50	40	300	35	RCGX 1510..	CLRC15	FM410	SHRC105	SHRC105
CRDCN 5040T19-A1	50	40	300	45	RCGX 1910..	CLRC15	FM410	SHRC106	SHRC106
CRDCN 5040T25-A1	50	40	300	50	RCGX 2512..	CLRC25	FM610	SHRC108	SHRC108
Özel sipariş Special Order									

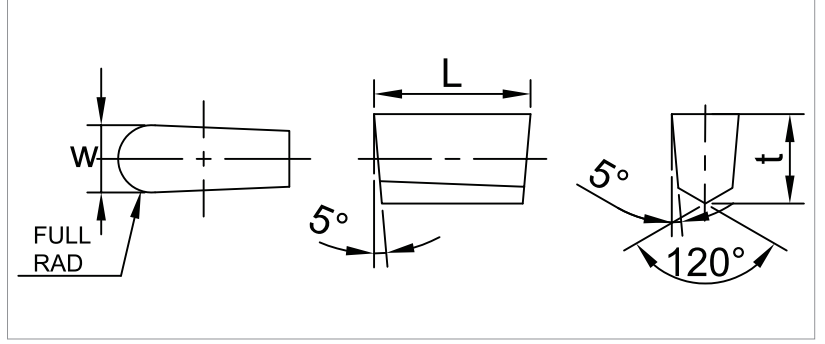


KOD / CODE	BOYUTLAR / SIZE (mm)		KESME KALİTESİ / CUTTING GRADE								
	d	t	ST100	ST300	SD200	SZ200	SN26	SN300	SN400	SN500	SW800
RNGN 060200	6.35	2.38				!	*				*
RNGN 060300	6.35	3.18				!					
RNGN 060400	6.35	4.76	*			!					
RNGN 090300	9.52	3.18	*			!	*	*			*
RNGN 090400	9.52	4.76	*	*	*	!	*			*	*
RNGN 120300	12.7	3.18				!	*			*	*
RNGN 120400	12.7	4.76	*	*	*	*!	*	*	*	*	*
RNGN 120600	12.7	6.35				!					
RNGN 120700	12.7	7.94	*	*		*!	*	*	*	*	*
RNGN 150700	15.87	7.94	*			!	*	*			*
RNGN 190600	19.05	6.35	*	*		!	*			*	*
RNGN 190700	19.05	7.94	*	*		*!		*		*	
RNGN 250700	25.4	7.94	*			*	*	*			*
RNGN 250900	25.4	9.52									
RNGN 320900	31.75	9.52	*								
RNGN 0807MO	8	7.94	*								
RNGN 1007MO	10	7.94	*								
RNGN 1207MO	12	7.94	*								
Özel sipariş Special Order											

Kater / Tool Holder - CRDNN

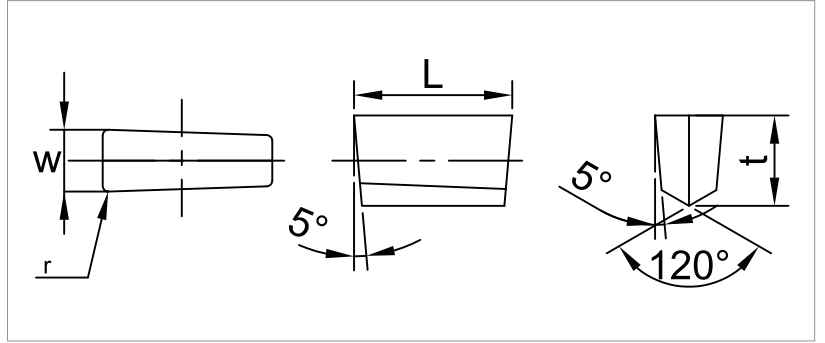


KOD / CODE	BOYUTLAR / SIZE (mm)					Kesici Uç / Insert	YEDEK PARÇALAR / SPARE PARTS			
	h (=h1)	b	l1	l2	l2		Baskı Pabucu / Clamp	Vida / Screw	Altlık / Shim	Anahtar / Wrench
CRDCN 3225P06-A4	25	25	150	32	13	RNGN 0904.	SM3	TM408	SHRN3A	LW4
CRDCN 3225P06-A6	25	25	150	32	13	RNGN 0907.	SM3	TM408	SHRN3A	LW4
CRDCN 3225P06-A7	25	25	150	32	13	RNGN 1204.	UH1	TM510	SHRN4A	LW4
CRDCN 3225P09-A7	25	25	150	32	13	RNGN 1207.	UH1	TM510	SHRN4A	LW4
CRDCN 3225P12-A7	32	25	170	32	13	RNGN 1204.	UH1	TM510	SHRN4A	LW4
CRDCN 5040T12-A7	32	25	170	32	13	RNGN 1207.	UH1	TM510	SHRN4A	LW4
CRDCN 5040T15-A1	32	25	170	32	13	RNGN 1507.	UH1	TM510	SHRN5A	LW4
CRDCN 5040T19-A1	32	25	170	32	13	RNGN 1907.	UH4	FM19X	SHRN6	LW4
Özel sipariş Special Order										

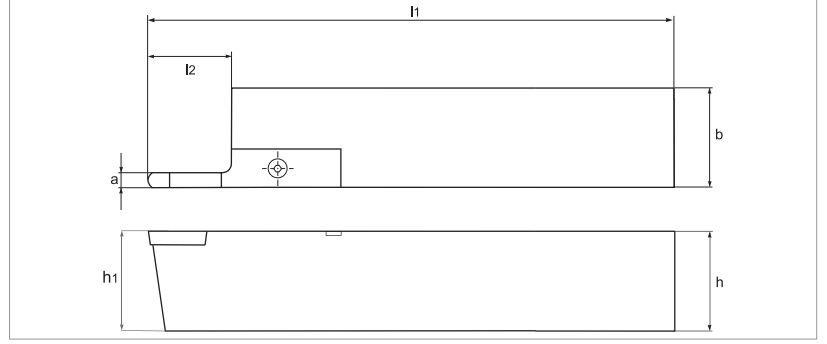


KOD / CODE	BOYUTLAR / SIZE (mm)			KESME KALİTESİ / CUTTING GRADE								
	L	W	T	ST100	ST300	SD200	SZ200	SN26	SN300	SN400	SN500	SN800
SGR 4012	12	4	5	*	*		*			*		
SGR 5012	12	5	5	*	*		*			*		
SGR 6015	15	6	7.5	*	*		*					
SGR 7015	15	7	7.5	*	*		*					
SGR 8015	15	8	7.5	*	*		*					
SGR 1015	15	10	7.5	*	*		*					
Özel sipariş Special Order												

Seramik Uç / Ceramic Insert - SGF

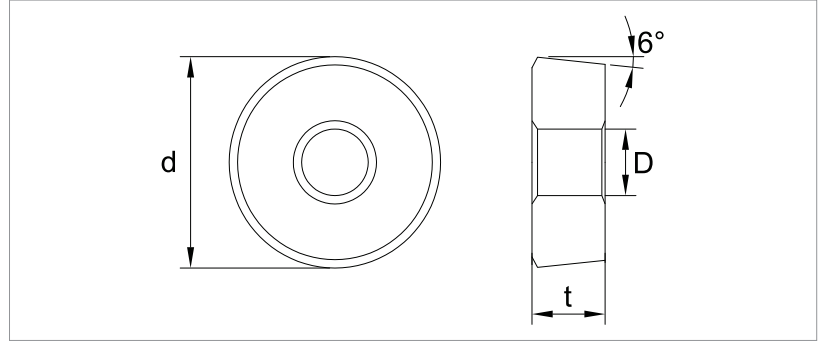
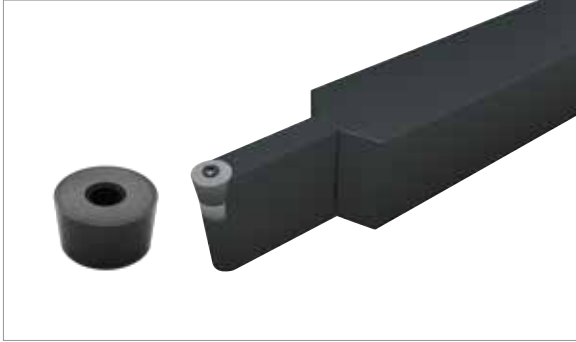


KOD / CODE	BOYUTLAR / SIZE (mm)			KESME KALİTESİ / CUTTING GRADE								
	L	W	T	ST100	ST300	SD200	SZ200	SN26	SN300	SN400	SN500	SN800
SGF 4012	12	4	0.5	*	*		*			*		
SGF 5012	12	5	0.8	*	*		*			*		
SGF 6015	15	6	0.8	*	*		*					
SGF 7015	15	7	0.8	*	*		*					
SGF 8015	15	8	0.8	*	*		*					
SGF 1015	15	10	0.8	*	*		*					
Özel sipariş Special Order												

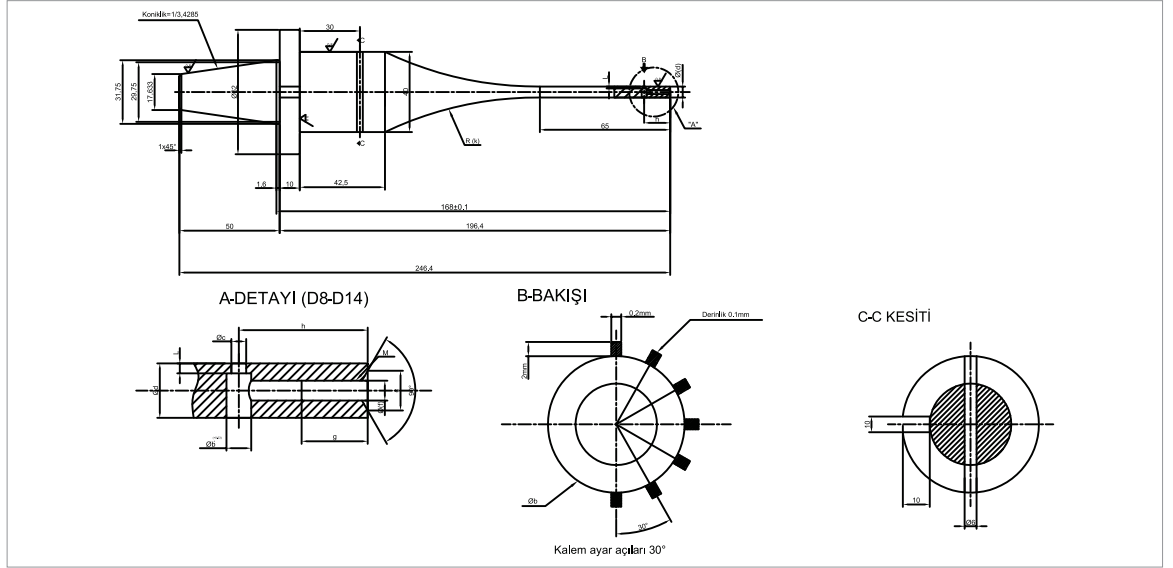


KOD / CODE	BOYUTLAR / SIZE (mm)					Kesici Uç / Insert	YEDEK PARÇALAR / SPARE PARTS	
	a	h (=h1)	b	l2	l2		Vida / Screw	Anahtar / Wrench
CSGR 3225P4012R/L	4	32	25	170	19	SGR 4012	SGL4/BM518	LW3
CSGR 3225P4012R/L	5	32	25	170	19	SGR 5012	SGL4/BM518	LW4
CSGR 3225P4012R/L	6	32	25	170	19	SGR 6015	SGL4/BM518	LW4
CSGR 3225P4012R/L	7	32	25	170	19	SGR 7015	SGL4/BM518	LW5
CSGR 3225P4012R/L	8	32	25	170	19	SGR 8015	SG7/BM618	LW5
CSGR 3225P4012R/L	10	32	25	170	19	SGR 1015	SG8/BM618	LW5
Özel sipariş Special Order								

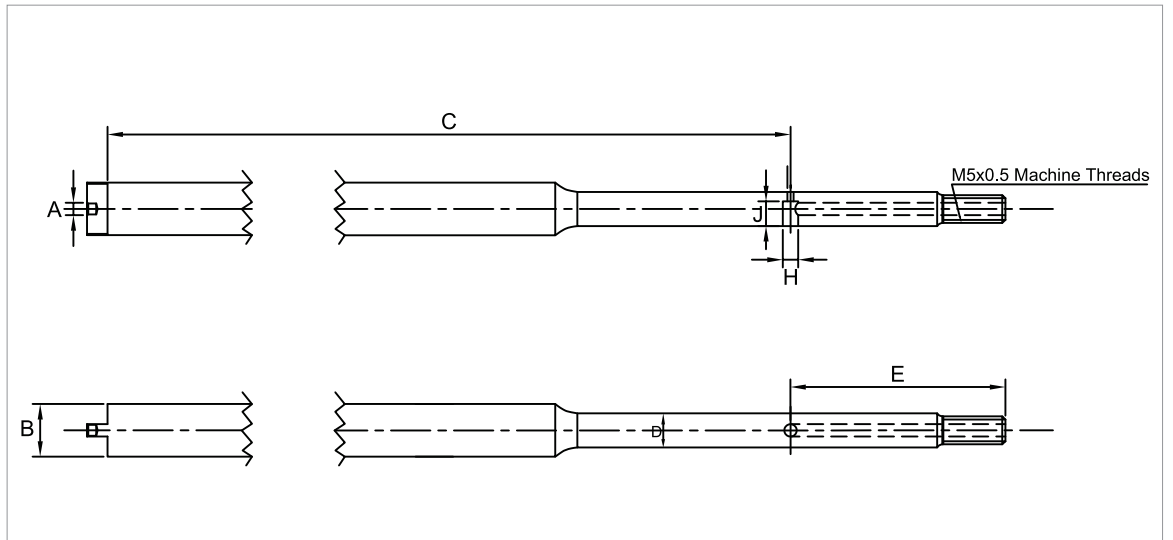
Kanal Açmak için Seramik Uç ve Kater (N Tipi) / Ceramic Insert and Tool Holder for Grooving
Seramik Uç ve Kater / Ceramic Insert and Tool Holder CDH

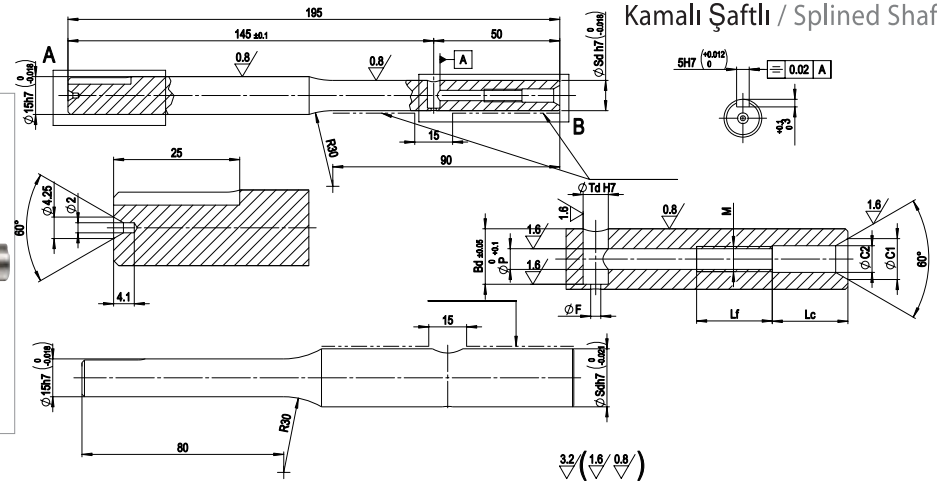


HRC D BOYUTLAR / SIZE (mm)				KESİCİ UÇ INSERT
H	W	L1	L2	
				CDH - 22
				CDH - 23
60 - 80	60 - 80	450 - 750	120 - 250	CDH - 53
Özel sipariş Special Order				



Silindirik Şaftlı Nervür Tutucu / Cylindrical Shaped Shaft

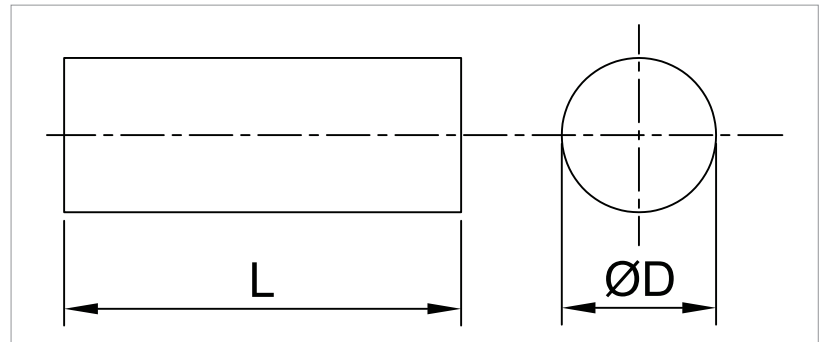
09

[illegible]

Karbür Çubuk / Carbide Bar

Kalite / Grade ISO K10, K05, K01

Taşlanmış / Grinded



ØD	L	ØD	L	ØD	L	ØD	L
05.0	50 mm	05.0	80 mm	05.0	100 mm	05.0	320 mm
06.0		06.0		06.0		06.0	
07.0		07.0		07.0		07.0	
08.0		08.0		08.0		08.0	
09.0		09.0		09.0		09.0	
10.0		10.0		10.0		10.0	
11.0		11.0		11.0		11.0	
12.0		12.0		12.0		12.0	
13.0		13.0		13.0		13.0	
14.0		14.0		14.0		14.0	
15.0		15.0		15.0		15.0	
16.0		16.0		16.0		16.0	
17.0		17.0		17.0		17.0	
18.0		18.0		18.0		18.0	
19.0		19.0		19.0		19.0	
20.0		20.0		20.0		20.0	