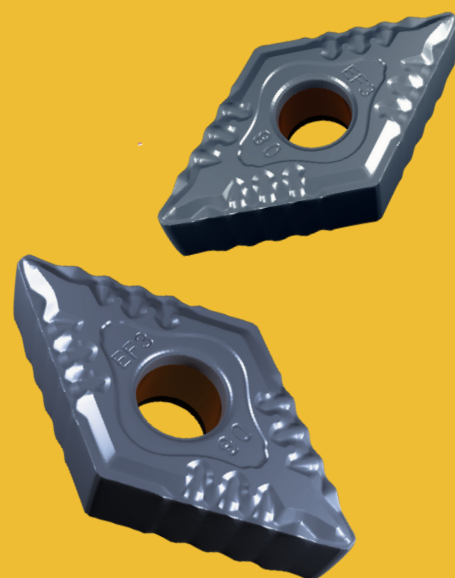




TORNALAMA TURNING

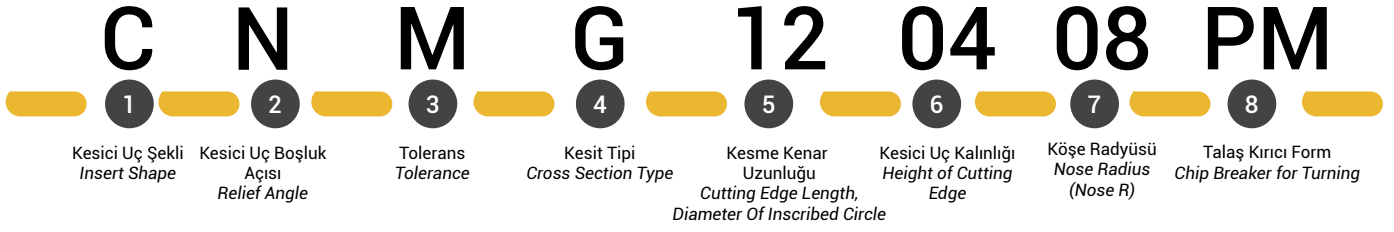
2025 | CATALOG

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EUROLOY
CARBIDE TOOLS

TORNALAMA UÇLARININ KOD SİSTEMİ (ISO)

TURNING INSERT CODE SYSTEM (ISO)



1 Kesici Uç Şekli / Insert Shape

C N M G 12 04 08 PM

80° 55° 75° 55°

C D E K L

R S T V W

2 Kesici Uç Boşluk Açısı / Relief Angle

C N M G 12 04 08 PM

5° 7° 15° 20°

B C D E

25° 0° 11° Özel Tip

F N P O

4 Kesit Tipi / Cross Section Type

C N M G 12 04 08 PM

A B C

Pah 70°~90°

F G H

Pah 70°~90°

J M N

Pah 40°~60°

Q R T

Pah 40°~60°

Özel Tip

3 Tolerans / Tolerance

C N M G 12 04 08 PM

d m t

Class	d	m	t
A	± 0.025	± 0.005	± 0.025
C	± 0.025	± 0.013	± 0.025
H	± 0.013	± 0.013	± 0.025
E	± 0.025	± 0.025	± 0.025
G	± 0.025	± 0.025	± 0.013
J*	± 0.05~±0.15	± 0.005	± 0.025
K*	± 0.05~±0.15	± 0.013	± 0.025
L*	± 0.05~±0.15	± 0.025	± 0.025
M*	± 0.05~±0.15	± 0.08~±0.20	± 0.13
N*	± 0.05~±0.15	± 0.08~±0.18	± 0.025
U*	± 0.08~±0.25	± 0.13~±0.38	± 0.13

* Kenarları tağlamamış kesici uçlar içindir.
*Sides are based on unground insert

C, E, H, M, O, P, R, S, T, W Tip Kesici Uçların Toleransları (Özel Durumlar)
Tolerance on C, E, H, M, O, P, R, S, T, W Insert Shape (Exceptional Case)

d	Tolerans d		Tolerans m	
	J, K, L, M, N	U	M, N	U
6.35	± 0.05	± 0.08	± 0.08	± 0.13
9.525	± 0.05	± 0.08	± 0.08	± 0.13
12.7	± 0.08	± 0.13	± 0.13	± 0.20
15.875	± 0.10	± 0.18	± 0.15	± 0.27
19.05	± 0.10	± 0.18	± 0.15	± 0.27
25.4	± 0.13	± 0.25	± 0.18	± 0.38

D Tipi Kesici Uçların Toleransları (Özel Durumlar)
Tolerance on D Insert Shape (Exceptional Case)

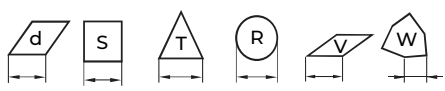
d	Tolerans d	Tolerans m
6.35	± 0.05	± 0.11
9.525	± 0.05	± 0.11
12.7	± 0.08	± 0.15
15.875	± 0.10	± 0.18
19.05	± 0.10	± 0.18

TORNALAMA UÇLARININ KOD SİSTEMİ (ISO)

TURNING INSERT CODE SYSTEM (ISO)

5 Kesme Kenar Uzunluğu
Cutting Edge Length, Diam. of Inscribed Circle

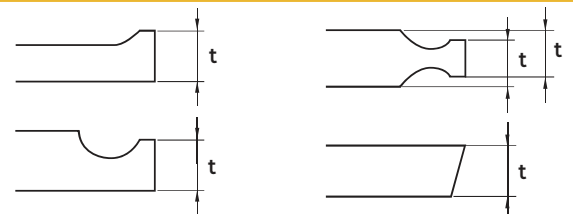
C N M G 12 04 08 PM



Metrik / Metric						Inç	d(mm)
04	03	06	03	-	02	1.2 (5)	3.97
05	04	08	04	08	S3	1.5 (6)	4.76
06	05	09	05	09	03	1.8 (7)	5.56
-	-	-	06	-	-	-	6.00
07	06	11	06	11	04	2	6.35
09	07	13	07	13	05	2.5	7.94
-	-	-	08	-	-	-	8.00
11	09	16	09	16	06	3	9.525
-	-	-	10	-	-	-	10.00
13	11	19	11	19	07	3.5	11.11
-	-	-	12	-	-	-	12.00
15	12	22	12	22	08	4	12.70
17	14	24	14	24	09	4.5	14.29
19	15	27	15	27	10	5	15.875
-	-	-	16	-	-	-	16.00
21	17	30	17	30	11	5.5	17.46
23	19	33	19	33	13	6	19.05
-	-	-	20	-	-	-	20.00
27	22	38	22	38	15	7	22.225
-	-	-	25	-	-	-	25.00
31	25	44	25	44	17	8	25.40
38	31	54	31	54	21	10	31.75
-	-	-	32	-	-	-	32.00

6 Kesici Uç Kalınlığı
Height of Cutting Edge

C N M G 12 04 08 PM



Sembol / Symbol		Kesme kenarın yüksekliği (t) Height of Cutting Edge (t)	
Metrik / Metric	Inç	mm	Inç
01	1(2)	1.59	1/16
T0	1.125	1.79	9/128
T1	1.2	1.98	5/64
02	1.5(3)	2.38	3/32
T2	1.75	2.78	7/64
03	2	3.18	1/8
T3	2.5	3.97	5/32
04	3	4.76	3/16
05	3.5	5.56	7/32
06	4	6.35	1/4
07	5	7.94	5/16
09	6	9.52	3/8
11	7	11.11	7/16
12	8	12.70	1/2

7 Kesme Kenar Uzunluğu
Cutting Edge Length, Diam. of Inscribed Circle

C N M G 12 04 08 PM

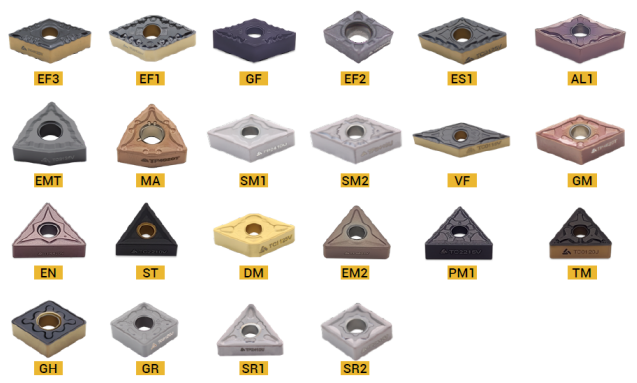


Sembol Symbol		Köşe Radyüsü Corner Radius	
Metrik Metric	Inç	Metrik Metric	Inç
003	0.1	0.03	0.001
005	0.13	0.05	0.002
	0.2	0.1	0.004
	0.5	0.2	0.008
	1	0.4	1/64
	2	0.8	1/32
	3	1.2	3/64
M0	4	1.6	1/16
	5	2.0	5/64
	6	2.4	3/32
	7	2.8	7/64
	8	3.2	1/8
	-	Dairesel kesici uç (Inç)	
	-	Dairesel kesici uç (Metrik)	

8 Kesme Kenar Uzunluğu
Cutting Edge Length, Diam. of Inscribed Circle

C N M G 12 04 08 PM

ISO Değiştirilebilir Uçlar - Pozitif / ISO Indexable Inserts - Positive

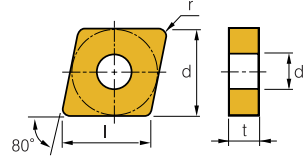


ISO Değiştirilebilir Uçlar - Negatif / ISO Indexable Inserts - Negative

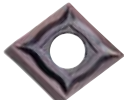
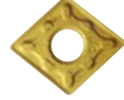


NEGATİF UÇLAR

CNM...



Boyutlar (mm)			
Ölçü	d	t	d ₁
12	12.7	4.76	5.16
16	15.875	6.35	6.35
19	19.05	6.35	7.93
25	25.4	9.52	9.12

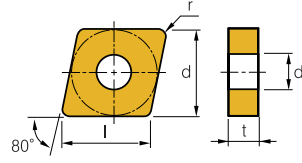
ÜRÜN GÖRSELİ	CB	ISO		P						M						K		N		S		U						H		
	UÇ KODU INSERT CODE	ap (mm)	Vc f _n (mm/dev)	TC1110	TC1120	TC1130	TP2110	TP2120	TP2130	TC2310	TC2320	TC2330	TP2310	TP2320	TP2330	TC2210	TC2220	TC2230	TN7501	TN7505	TP2410	TP2420	TC0630	TC1630	TP1630	TP2630	TP4630	TP4640	TP4410	TP1410
				300(180-420)	250 (140-360)	200 (110-290)	300(180-420)	250 (140-360)	200 (110-290)	250(220-280)	215 (190-240)	180 (160-200)	160(100-220)	150(100-200)	130(80-180)	250(120-380)	230(120-340)	200(100-300)	700 (500-800)	450 (300-600)	50 (35-65)	40 (20-80)	200 (120-280)	200 (120-280)	190 (110-270)	190 (110-270)	190 (110-270)	170 (100-240)	100 (70-130)	100 (70-130)
	.	CNMA 120404	1,00-6,00	0,15-0,60												•	•													
CNMA 120408		1,00-6,00	0,15-0,60													•	•													
CNMA 120412		1,50-6,00	0,15-0,70													•	•													
CNMA 160608		2,00-6,00	0,15-0,70													•	•													
CNMA 160612		2,00-6,00	0,15-0,70													•	•													
	EF2	CNMG 120404	0,50-1,50	0,07-0,30									•	•							•	•					•	•		
CNMG 120408		0,50-1,50	0,10-0,40										•	•	•						•	•					•	•		
CNMG 120412		0,60-1,50	0,10-0,50											□	□						□	□						•	•	
	PW	CNMG 120408	0,80-4,00	0,08-0,30	○	○							○	○		○	○													
CNMG 120412		0,80-4,00	0,05-0,30	○	○								○	○		○	○													
	AL	CNMG 120404	0,30-2,00	0,10-0,35															•	•		•								
CNMG 120408		0,50-3,00	0,15-0,40																•	•		•								
CNMG 120412		0,50-3,00	0,15-0,45																•	•										
	EH	CNMG 120404	0,50-1,50	0,07-0,30	•	•							•	•																
CNMG 120408		0,50-1,50	0,10-0,40	•	•	•							•	•	•															
CNMG 120412		0,60-1,50	0,10-0,50	□	□	□							□	□	□															
	MA	CNMG 120404	0,80-3,50	0,05-0,20									•	•							•	•		□	□	□		□	□	
CNMG 120408		0,80-3,50	0,10-0,40										•	•	•						•	•		•	•	•		•	•	
CNMG 120412		0,80-3,50	0,13-0,55											□	□							□			□	□			□	
	PM1	CNMG 120404	0,90-5,00	0,05-0,30	•	•	•									•	•	•												
CNMG 120408		1,00-5,00	0,10-0,50	•	•	•										•	•	•												
CNMG 120412		1,00-5,00	0,18-0,50			•	•										•	•												
CNMG 160608		0,90-5,00	0,05-0,30	•	•											•	•													
CNMG 160612		1,00-5,00	0,10-0,50	•	•	•										•	•	•												
CNMG 160616		1,00-5,00	0,18-0,50			•	•										•	•												
	DM	CNMG 120408	1,00-5,00	0,10-0,50	•	•	•									•	•	•												
CNMG 120412		1,00-5,00	0,18-0,50			•	•										•	•												
CNMG 160608		0,90-5,00	0,05-0,30	•	•											•	•													
CNMG 160612		1,00-5,00	0,10-0,50			•	•										•	•	•											
CNMG 190608		0,50-8,60	0,15-0,70	•	•											•	•													
CNMG 190612		0,80-8,60	0,18-0,60	•	•											•	•													

• Stok ürün | Stock item

○ Stok dışı ürün | Non stock item

□ Özel ürün | Special order

CNM...



Boyutlar (mm)			
Ölçü	d	t	d ₁
12	12.7	4.76	5.16
16	15.875	6.35	6.35
19	19.05	6.35	7.93
25	25.4	9.52	9.12

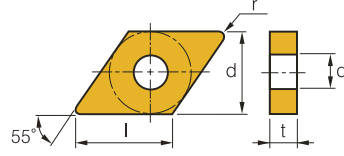
ÜRÜN GÖRSELİ	CB	ISO		P						M						K		N		S		U						H		
	UÇ KODU INSERT CODE	ap (mm)	f _n (mm/dev)	Vc																										
				TC1110	TC1120	TC1130	TP2110	TP2120	TP2130	TC2310	TC2320	TC2330	TP2310	TP2320	TP2330	TC2210	TC2220	TC2230	TN7501	TN7505	TP2410	TP2420	TC0630	TC1630	TP1630	TP2630	TP4630	TP4640	TP4410	TP1410
	EM2	CNMG 120404	0,90-5,00	0,05-0,30									•	•	•					•	•				•	•				
		CNMG 120408	1,00-5,00	0,10-0,50										•	•	•					•	•				•	•	•		
		CNMG 120412	1,00-5,00	0,18-0,50										o	o	o					o	o					•	•	•	
		CNMG 190612	0,50-8,50	0,15-0,60										o	o	o					o	o				•	•	•		
		CNMG 190616	0,50-8,50	0,18-0,65										o	o	o					o	o					•	•		
	TM	CNMG 120404	0,90-5,00	0,05-0,30	•	•	•																							
		CNMG 120408	1,00-5,00	0,10-0,50	•	•	•																							
		CNMG 120412	1,00-5,00	0,18-0,50	•	•	•																							
	ST	CNMG 120404	1,00-5,00	0,17-0,45	•	•											•	•							o	o				
		CNMG 120408	1,50-5,00	0,23-0,60	•	•	•											•	•	•						o	o	o		
		CNMG 120412	2,00-5,00	0,25-0,60		•	•												•	•							o	o		
		CNMG 160608	2,00-6,50	0,25-0,60	•	•	•											•	•	•						o	o	o		
		CNMG 160612	2,00-6,50	0,27-0,60		•	•												•	•	•						o	o		
		CNMG 160616	2,50-8,00	0,30-0,75		•	•												•	•							o	o		
	DR	CNMG 120408	1,00-5,00	0,10-0,50	•	•	•										o	o	o											
		CNMG 120412	1,00-5,00	0,18-0,50		•	•												o	o										
		CNMG 160612	1,00-5,00	0,10-0,50		•	•												o	o										
		CNMG 160616	1,00-5,00	0,18-0,50		•	•												o	o										
		CNMG 190612	1,00-10,00	0,25-0,70		•	•													o	o									
		CNMG 190616	1,50-10,00	0,30-0,80		•	•													o	o									
	ER	CNMM 250724	5,00-12,0	0,55-1,20		•	•											o	o											
		CNMM 250924	5,00-12,0	0,55-1,20		•	•													o	o									
		CNMM 250925	2,00-12,5	0,02-1,20		•	•													o	o									

• Stok ürün | Stock item

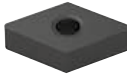
o Stok dışı ürün | Non stock item

□ Özel ürün | Special order

DNM...



Boyutlar (mm)			
Ölçü	d	t	d ₁
15	12.7	4.76-6.35	5.16

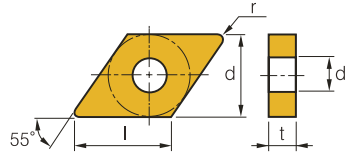
ÜRÜN GÖRSELİ	CB	ISO			P							M							K			N		S		U						H	
		Vc	ap (mm)	fn (mm/dev)	300(180-420)	250 (140-360)	200 (110-290)	300(180-420)	250 (140-360)	200 (110-290)	250(220-280)	215 (190-240)	180 (160-200)	160(100-220)	150(100-200)	130(80-180)	250(120-380)	230(120-340)	200(100-300)	700 (500-800)	450 (300-600)	50 (35-65)	40 (20-80)	200 (120-280)	200 (120-280)	190 (110-270)	190 (110-270)	190 (110-270)	170 (100-240)	100 (70-130)	100 (70-130)		
					TC1110	TC1120	TC1130	TP2110	TP2120	TP2130	TC2310	TC2320	TC2330	TP2310	TP2320	TP2330	TC2210	TC2220	TC2230	TN7501	TN7505	TP2410	TP2420	TC0630	TC1630	TP1630	TP2630	TP4630	TP4640	TP4410	TP1410		
UÇ KODU INSERT CODE	ap (mm)	fn (mm/dev)	TC1110	TC1120	TC1130	TP2110	TP2120	TP2130	TC2310	TC2320	TC2330	TP2310	TP2320	TP2330	TC2210	TC2220	TC2230	TN7501	TN7505	TP2410	TP2420	TC0630	TC1630	TP1630	TP2630	TP4630	TP4640	TP4410	TP1410				
	-	DNMA 150404	0,40-4,00	0,17-0,55												•	•																
		DNMA 150408	0,80-4,00	0,17-0,55													•	•	•														
		DNMA 150604	1,00-6,00	0,15-0,60													•	•	•														
		DNMA 150608	1,00-6,00	0,15-0,60													•	•	•														
		DNMA 150612	1,50-6,00	0,15-0,70													•	•	•														
	EFT	DNMG 150608	0,20-1,50	0,10-0,35	•	•	•																										
		DNMG 150612	0,20-1,50	0,10-0,35	□	□	□																										
	EF2	DNMG 150604	0,50-1,50	0,07-0,30								•	•								•	•					•	•					
		DNMG 150608	0,50-1,50	0,10-0,40									•	•	•						•	•					•	•					
	PW	DNMG 150608	0,80-4,00	0,08-0,30	○	○						○	○			○	○																
		DNMG 150612	1,00-5,00	0,18-0,50	○	○							○	○			○	○															
	ESI	DNMG 150608	0,50-3,00	0,15-0,40	•	•	•																										
		DNMG 150612	0,50-3,00	0,15-0,45		•	•																										
	MA	DNMG 150604	0,90-5,00	0,05-0,30								□	□	□							□	□											
		DNMG 150608	1,00-5,00	0,10-0,50									□	□	□						□	□											
		DNMG 150612	1,00-5,00	0,18-0,50										□	□						□	□											
	TF	DNMG 150608	0,50-1,50	0,10-0,40	•	•	•					•	•	•							•	•				•	•			○	○		
		DNMG 150612	0,60-1,50	0,10-0,50	□	□	□						□	□	□						□	□				□	□			○	○		
	R/L	DNMG 150604	0,90-5,00	0,05-0,30	•	•						□	□								□	□				•	•						
		DNMG 150608	1,00-5,00	0,10-0,50	•	•	•						□	□	□						□	□				•	•	•					

• Stok ürün | Stock item

○ Stok dışı ürün | Non stock item

□ Özel ürün | Special order

DNM...



Boyutlar (mm)			
Ölçü	d	t	d ₁
11	9.525	4.76	3.81
15	12.7	4.76-6.35	5.16

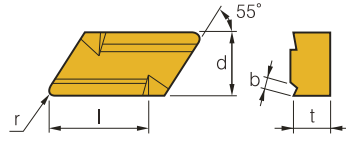
ÜRÜN GÖRSELİ	CB	ISO		P							M					K			N		S		U						H	
	UÇ KODU INSERT CODE	ap (mm)	Vc fn (mm/dev)	TC1110	TC1120	TC1130	TP2110	TP2120	TP2130	TC2310	TC2320	TC2330	TP2310	TP2320	TP2330	TC2210	TC2220	TC2230	TN7501	TN7505	TP2410	TP2420	TC0630	TC1630	TP1630	TP2630	TP4630	TP4640	TP4410	TP1410
				300(180-420)	250 (140-360)	200 (110-290)	300(180-420)	250 (140-360)	200 (110-290)	250(220-280)	215 (190-240)	180 (160-200)	160(100-220)	150(100-200)	130(80-180)	250(120-380)	230(120-340)	200(100-300)	700 (500-800)	450 (300-600)	50 (35-65)	40 (20-80)	200 (120-280)	200 (120-280)	190 (110-270)	190 (110-270)	190 (110-270)	170 (100-240)	100 (70-130)	100 (70-130)
	EL	DNMG 110404	0,30-2,00	0,10-0,18									•	•											•	•				
DNMG 110408		0,50-4,00	0,18-0,40										•	•											•	•				
DNMG 150404		0,30-2,00	0,10-0,18										•	•											•	•				
DNMG 150408		0,50-4,00	0,20-0,45										•	•											•	•				
DNMG 150604		0,90-5,00	0,05-0,30										•	•											•	•				
	TM	DNMG 150404	0,90-5,00	0,05-0,30	•	•	•																							
DNMG 150608		1,00-5,00	0,10-0,50	•	•	•																								
DNMG 150612		1,00-5,00	0,18-0,50		□	□																								
	PM1	DNMG 110404	0,40-5,00	0,10-0,30	•	•	•									○	○	○												
DNMG 110408		0,50-5,00	0,15-0,50	•	•	•										○	○	○												
DNMG 150404		0,40-6,00	0,10-0,30	•	•	•										○	○	○												
DNMG 150408		0,50-6,00	0,15-0,50	•	•	•										○	○	○												
DNMG 150412		0,80-6,00	0,18-0,60	•	•	•										○	○	○												
DNMG 150604		0,90-5,00	0,05-0,30	•	•	•										○	○	○												
DNMG 150608		1,00-5,00	0,10-0,50	•	•	•										○	○	○												
DNMG 150612		1,00-5,00	0,18-0,50	•	•	•										○	○	○												
	DR	DNMG 150608	1,50-5,00	0,23-0,60	•	•	•									•	•	•												
DNMG 150612		2,00-5,00	0,25-0,60		•	•											•	•												

• Stok ürün | Stock item

○ Stok dışı ürün | Non stock item

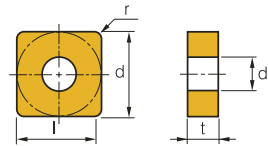
□ Özel ürün | Special order

KNUX



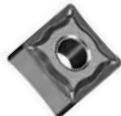
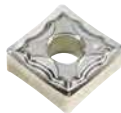
Boyutlar (mm)		
Ölçü	d	t
16	9.525	4.76

ÜRÜN GÖRSELİ	CB	ISO		P						M						K	N	S	U						H					
		Vc	300(180-420)	250 (140-360)	200 (110-290)	300(180-420)	250 (140-360)	200 (110-290)	250(220-280)	215 (190-240)	180 (160-200)	160(100-220)	150(100-200)	130(80-180)	250(120-380)	230(120-340)	200(100-300)	700 (500-800)	450 (300-600)	50 (35-65)	40 (20-80)	200 (120-280)	200 (120-280)	190 (110-270)	190 (110-270)	190 (110-270)	170 (100-240)	100 (70-130)	100 (70-130)	
UÇ KODU INSERT CODE	ap (mm)	fn (mm/dev)	TC1110	TC1120	TC1130	TP2110	TP2120	TP2130	TC2310	TC2320	TC2330	TP2310	TP2320	TP2330	TC2210	TC2220	TC2230	TN7501	TN7505	TP2410	TP2420	TC0630	TC1630	TP1630	TP2630	TP4630	TP4640	TP4410	TP1410	
	11	KNUX 160405R11	1,00-6,00	0,20-0,35	•	•	•																	•	•		•			
		KNUX 160410R11	1,50-6,00	0,30-0,60	•	•	•																		•	•		•		
		KNUX 160405L11	1,00-6,00	0,20-0,35	•	•	•																		•	•		•		
		KNUX 160410L11	1,50-6,00	0,30-0,60	•	•	•																			•	•		•	
	12	KNUX 160405R12	1,50-6,00	0,25-0,35	•	•	•																		•	•		•		
		KNUX 160410R12	1,50-6,00	0,40-0,70	•	•																			•			•		
		KNUX 160405L12	1,50-6,00	0,25-0,35	•	•	•																		•	•		•		
		KNUX 160410L12	1,50-6,00	0,40-0,70	•	•																				•			•	



Boyutlar (mm)			
Ölçü	d	t	d1
12	12.7	4.76	5.16
15	15.875	6.35	6.35
25	25.4	6.35-9.52	9.12

SNM...

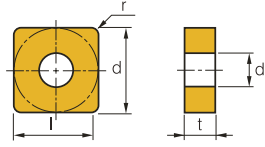
ÜRÜN GÖRSELİ	CB		ISO		P						M						K		N		S		U				H				
				Vc	300 (180-420)	250 (140-360)	200 (110-290)	300 (180-420)	250 (140-360)	200 (110-290)	250 (220-280)	215 (190-240)	180 (160-200)	160 (100-220)	150 (100-200)	130 (80-180)	250 (120-380)	230 (120-340)	200 (100-300)	700 (500-800)	450 (300-600)	50 (35-65)	40 (20-80)	200 (120-280)	200 (120-280)	190 (110-270)	190 (110-270)	190 (110-270)	170 (100-240)	100 (70-130)	100 (70-130)
	UÇ KODU INSERT CODE	ap (mm)	fn (mm/dev)	TC1110	TC1120	TC1130	TP2110	TP2120	TP2130	TC2310	TC2320	TC2330	TP2310	TP2320	TP2330	TC2210	TC2220	TC2230	TN7501	TN7505	TP2410	TP2420	TC0630	TC1630	TP1630	TP2630	TP4630	TP4640	TP4410	TP1410	
	-	SNMA 120404	1,00-5,00	0,15-0,60												•	•														
		SNMA 120408	1,00-6,00	0,15-0,70													•	•													
		SNMA 120412	0,60-1,50	0,10-0,50													•	•													
		SNMA 150608	0,80-7,00	0,10-0,50													•	•													
		SNMA 150612	2,00-8,00	0,20-0,80													•	•													
	EF2	SNMG 120404	0,80-3,00	0,05-0,30						•	•										•	•						•	•		
		SNMG 120408	0,50-1,50	0,07-0,30							•	•										•	•					•	•		
	AL	SNMG 120404	1,00-4,00	0,12-0,35															•	•	•	•									
		SNMG 120408	0,50-1,50	0,07-0,30																•	•	•	•								
		SNMG 120412	0,50-1,50	0,10-0,40																	•	•									

• Stok ürün | Stock item

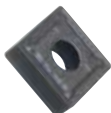
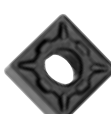
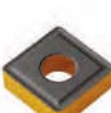
○ Stok dışı ürün | Non stock item

□ Özel ürün | Special order

SNM...



Boyutlar (mm)			
Ölçü	d	t	d ₁
12	12.7	4.76	5.16
15	15.875	6.35	6.35
19	19.05	4.76~6.35	6.35
25	25.4	6.35~9.52	9.12

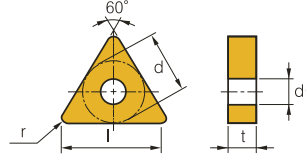
ÜRÜN GÖRSELİ	CB	ISO			P							M							K			N		S		U					H		
	UÇ KODU INSERT CODE	ap (mm)	Vc fn (mm/dev)	300(180-420)	250 (140-360)	200 (110-290)	300(180-420)	250 (140-360)	200 (110-290)	250(220-280)	215 (190-240)	180 (160-200)	160(100-220)	150(100-200)	130(80-180)	250(120-380)	230(120-340)	200(100-300)	700 (500-800)	450 (300-600)	50 (35-65)	40 (20-80)	200 (120-280)	200 (120-280)	190 (110-270)	190 (110-270)	190 (110-270)	170 (100-240)	100 (70-130)	100 (70-130)			
				TC1110	TC1120	TC1130	TP2110	TP2120	TP2130	TC2310	TC2320	TC2330	TP2310	TP2320	TP2330	TC2210	TC2220	TC2230	TN7501	TN7505	TP2410	TP2420	TC0630	TC1630	TP1630	TP2630	TP4630	TP4640	TP4410	TP1410			
	MA	SNMG 120404	1,00-400	0,20-0,50																													
		SNMG 120408	0,80-3,50	0,05-0,20																													
		SNMG 120412	0,80-3,50	0,10-0,40																													
	PMI	SNMG 120408	0,90-5,00	0,05-0,30	•	•	•										•	•	•														
		SNMG 120412	1,00-5,00	0,10-0,50			•	•										•	•	•													
		SNMG 150612	1,00-5,00	0,18-0,50			•	•										•	•	•													
		SNMM 250924	0,90-5,00	0,05-0,30			•	•											•	•													
	DM	SNMG 120404	0,40-6,00	0,10-0,30	•	•	•										•	•	•														
		SNMG 120408	0,10-1,00	0,05-0,25	•	•	•											•	•	•													
		SNMG 150608	0,80-7,50	0,10-0,50	•	•												•	•	•													
		SNMG 150612	0,20-1,50	0,10-0,35	•	•												•	•	•													
		SNMG 190612	1,00-9,00	0,18-0,60	•	•												•	•	•													
	ST	SNMG 120408	1,50-5,00	0,23-0,60	•	•	•										•	•										•	•				
		SNMG 120412	2,00-5,00	0,25-0,60			•	•										•	•	•								•	•	•			
		SNMG 150612	2,00-6,50	0,27-0,60	•	•													•	•									•	•			
		SNMG 190612	3,00-8,00	0,30-0,60	•	•													•	•									•	•			
	DR	SNMG 120408	1,50-5,00	0,23-0,60	•	•	•										•	•	•														
		SNMG 150612	2,00-6,50	0,25-0,60	•	•												•	•	•													
		SNMG 150616	1,50-8,00	0,30-0,80	•	•	•											•	•	•													
		SNMG 190612	1,00-10,00	0,25-0,70	•	•												•	•														
		SNMG 190616	1,50-10,00	0,30-0,80	•	•												•	•														
	ER	SNMM 120408	1,00-5,00	0,10-0,50	○	○	○																										
		SNMM 120412	1,00-5,00	0,18-0,50	○	○																											
		SNMM 150612	1,00-5,00	0,10-0,50	○	○	○																										
		SNMM 250924	1,00-5,00	0,18-0,50	○	○																											

• Stok ürün | Stock item

○ Stok dışı ürün | Non stock item

□ Özel ürün | Special order

TNM...



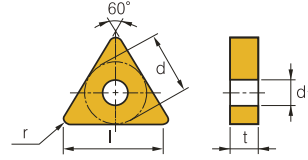
Boyutlar (mm)			
Ölçü	d	t	d ₁
16	9,525	4,76	3,81
22	12,7	4,76	5,16

ÜRÜN GÖRSELİ	CB	ISO		P						M						K		N		S		U						H			
		UÇ KODU INSERT CODE	ap (mm)	Vc f _n (mm/dev)	TC1110	TC1120	TC1130	TP2110	TP2120	TP2130	TC2310	TC2320	TC2330	TP2310	TP2320	TP2330	TC2210	TC2220	TC2230	TN7501	TN7505	TP2410	TP2420	TC0630	TC1630	TP1630	TP2630	TP4630	TP4640	TP4410	TP1410
					300(180-420)	250(140-360)	200(110-290)	300(180-420)	250(140-360)	200(110-290)	250(220-280)	215(190-240)	180(160-200)	160(100-220)	150(100-200)	130(80-180)	250(120-380)	230(120-340)	200(100-300)	700(500-800)	450(300-600)	50(35-65)	40(20-80)	200(120-280)	200(120-280)	190(110-270)	190(110-270)	190(110-270)	170(100-240)	100(70-130)	100(70-130)
	TNMA 160404	1,00-6,00	0,15-0,60													•	•														
	TNMA 160408	1,00-6,00	0,15-0,60													•	•	•													
	TNMA 160412	1,50-6,00	0,15-0,70													•	•	•													
	TNMA 220404	1,00-4,00	0,10-0,35													•	•														
	TNMA 220408	1,50-5,00	0,15-0,40													•	•														
	TNMA 220412	1,50-6,00	0,20-0,50													•	•														
	TNMG 160404	0,50-1,50	0,07-0,30							•	•	•										•	•					•	•		
	TNMG 160408	0,50-1,50	0,10-0,40							•	•											•	•					•	•		
	TNMG 220404	0,50-2,50	0,05-0,25							•	•	•										•	•					•	•		
	TNMG 220408	0,50-2,50	0,10-0,40							•	•											•	•					•	•		
	TNMG 160408	0,80-4,00	0,05-0,30	○	○									○	○		○	○													
	TNMG 160412	0,80-4,00	0,15-0,45	○	○									○	○		○	○													
	TNMG 160404	0,80-3,50	0,05-0,20																	•	•	•									
	TNMG 160408	0,80-3,50	0,10-0,40																	•	•	•									
	TNMG 160412	0,80-3,50	0,13-0,55																	•	•	•	•								
	TNMG 220408	0,80-3,50	0,10-0,40																	•	•										
	TNMG 160404	0,50-1,50	0,07-0,30	•	•	•							•	•	•													•	•		
	TNMG 160408	0,50-1,50	0,10-0,40	•	•	•							•	•	•													•	•		
	TNMG 160412	0,60-1,50	0,10-0,50	□	□								□	□														•	•		
	TNMG 160408	0,50-3,00	0,15-0,45	□	□																										
	TNMG 160412	0,50-3,00	0,15-0,45	•																											
	TNMG 220408	0,50-3,00	0,20-0,55	□	□																										
	TNMG 220412	0,50-3,00	0,14-0,40	•																											
	TNMG 160404	1,00-5,00	0,10-0,50											•							•	•						•	•		
	TNMG 160408	1,00-5,00	0,18-0,50											•							•	•						•	•		
	TNMG 160412	1,00-5,00	0,10-0,50																									•	•		
	TNMX 160404	1,00-5,00	0,10-0,50		•																						•				
	TNMX 160408	1,00-5,00	0,18-0,50		•																						•				

• Stok ürün | Stock item

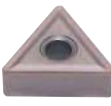
○ Stok dışı ürün | Non stock item

□ Özel ürün | Special order



Boyutlar (mm)			
Ölçü	d	t	d ₁
16	9.525	4.76	3.81
22	12.7	4.76	5.16

TNM...

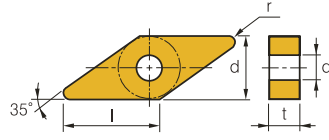
ÜRÜN GÖRSELİ	CB	ISO		P						M						K		N	S	U						H				
	UÇ KODU INSERT CODE	ap (mm)	Vc fn (mm/dev)	300(180-420)	250 (140-360)	200 (110-290)	300(180-420)	250 (140-360)	200 (110-290)	250(220-280)	215 (190-240)	180 (160-200)	160(100-220)	150(100-200)	130(80-180)	250(120-380)	230(120-340)	200(100-300)	700 (500-800)	450 (300-600)	50 (35-65)	40 (20-80)	200 (120-280)	200 (120-280)	190 (110-270)	190 (110-270)	190 (110-270)	170 (100-240)	100 (70-130)	100 (70-130)
				TC1110	TC1120	TC1130	TP2110	TP2120	TP2130	TC2310	TC2320	TC2330	TP2310	TP2320	TP2330	TC2210	TC2220	TC2230	TN7501	TN7505	TP2410	TP2420	TC0630	TC1630	TP1630	TP2630	TP4630	TP4640	TP4410	TP1410
	PM1	TNMG 160404	1,00-5,00	0,10-0,50	•	•	•									o	o	o												
		TNMG 160408	1,00-5,00	0,18-0,50	•	•	•										o	o	o											
		TNMG 160412	1,00-5,00	0,10-0,50	•	•	•										o	o	o											
		TNMG 220404	0,40-6,60	0,10-0,30	•	•	•										o	o	o											
		TNMG 220408	1,00-5,00	0,18-0,50	•	•	•										o	o	o											
		TNMG 220412	0,80-6,60	0,18-0,60	•	•	•										o	o	o											
	DM	TNMG 160404	0,10-1,00	0,05-0,25	•	•	•									•	•	•												
		TNMG 160408	0,20-1,50	0,10-0,35	•	•	•										•	•	•											
		TNMG 160412	0,20-1,50	0,10-0,35	•	•											•	•												
		TNMG 220408	0,20-1,50	0,10-0,35	•	•	•										•	•	•											
	TM	TNMG 160404	1,00-5,00	0,10-0,50	•	•	•																							
		TNMG 160408	1,00-5,00	0,18-0,50	•	•	•																							
		TNMG 160412	1,00-5,00	0,10-0,50	•	•																								
	ST	TNMG 160404	1,50-5,00	0,23-0,60	o	o	o									•	•	•								•	•	•		
		TNMG 160408	2,00-5,00	0,25-0,60	o	o	o										•	•	•							•	•	•		
		TNMG 160412	2,00-6,50	0,27-0,60	o	o											•	•								•	•			
		TNMG 220404	1,50-5,00	0,17-0,45	o	o	o										•	•	•							•	•	•		
		TNMG 220408	2,50-8,00	0,30-0,75	o	o											•	•	•							•	•			
		TNMG 220412	2,00-5,00	0,25-0,55	o	o	o										•	•	•							•	•	•		
	MR	TNMG 160408	1,00-5,00	0,18-0,50												•	•													
		TNMG 160412	1,00-5,00	0,10-0,50													•	•	•											
		TNMG 220412	1,00-5,00	0,10-0,50													•	•												
		TNMG 220416	2,00-7,00	0,25-0,60													•	•	•											

• Stok ürün | Stock item

o Stok dışı ürün | Non stock item

□ Özel ürün | Special order

VNM...



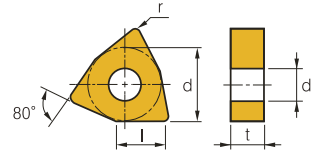
Boyutlar (mm)			
Ölçü	d	t	d ₁
16	9,525	4,76	3,81

ÜRÜN GÖRSELİ	CB	ISO			P							M							K			N		S		U						H	
	UÇ KODU INSERT CODE	ap (mm)	Vc f _n (mm/dev)	300 (180-420)	250 (140-360)	200 (110-290)	300 (180-420)	250 (140-360)	200 (110-290)	250 (220-280)	215 (190-240)	180 (160-200)	160 (100-220)	150 (100-200)	130 (80-180)	250 (120-380)	230 (120-340)	200 (100-300)	700 (500-800)	450 (300-600)	50 (35-65)	40 (20-80)	200 (120-280)	200 (120-280)	190 (110-270)	190 (110-270)	190 (110-270)	170 (100-240)	100 (70-130)	100 (70-130)			
				TC1110	TC1120	TC1130	TP2110	TP2120	TP2130	TC2310	TC2320	TC2330	TP2310	TP2320	TP2330	TC2210	TC2220	TC2230	TN7501	TN7505	TP2410	TP2420	TC0630	TC1630	TP1630	TP2630	TP4630	TP4640	TP4410	TP1410			
	-	VNMA 160404	1,00-6,00	0,15-0,60													□	□															
VNMA 160408		1,00-6,00	0,15-0,60														□	□	□														
VNMA 160412		1,00-6,00	0,15-0,60																														
	AL	VNMG 160404	0,80-3,50	0,05-0,20															•	•	o	o											
VNMG 160408		0,80-3,50	0,10-0,40																•	•	o	o											
	PM1	VNMG 160404	0,90-5,00	0,05-0,30	•												o																
VNMG 160408		1,00-5,00	0,10-0,50	•													o																
	TM	VNMG 160404	0,90-5,00	0,05-0,30	•	•																											
VNMG 160408		1,00-5,00	0,10-0,50	•	•																												
VNMG 160412		1,00-5,00	0,20-0,50	•	•																												
	ST	VNMG 160404	0,30-2,00	0,10-0,35	•	•											o	o									•	•					
VNMG 160408		0,50-3,00	0,15-0,40	•	•												o	o									•	•					
VNMG 160412		0,30-2,00	0,10-0,20	•	•												o	o									•	•					

• Stok ürün | Stock item

o Stok dışı ürün | Non stock item

□ Özel ürün | Special order



Boyutlar (mm)			
Ölçü	d	t	d ₁
06	9.525	4.76	3.81
08	12.7	4.76	5.16

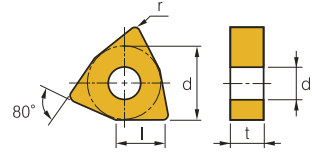
WNM...

ÜRÜN GÖRSELİ	CB	ISO		P							M					K			N		S		U						H			
	UÇ KODU INSERT CODE	ap (mm)	Vc fn (mm/dev)	300(180-420)							250(220-280)					250(120-380)			700(500-800)		50 (35-65)		200 (120-280)						100 (70-130)			
				TC1110	TC1120	TC1130	TP2110	TP2120	TP2130	TC2310	TC2320	TC2330	TP2310	TP2320	TP2330	TC2210	TC2220	TC2230	TN7501	TN7505	TP2410	TP2420	TC0630	TC1630	TP1630	TP2630	TP4630	TP4640	TP4410	TP1410		
	-	WNMA 060404	0,50-3,00	0,10-0,30												o	o															
		WNMA 060408	0,50-3,00	0,10-0,30													o	o	o													
		WNMA 080404	1,00-6,00	0,15-0,60													•	•	•													
		WNMA 080408	1,00-6,00	0,15-0,60													•	•	•													
		WNMA 080412	1,50-6,00	0,15-0,70													•	•	•													
	EF2	WNMG 060404	0,10-1,50	0,05-0,30									•	•						•	•					•	•					
		WNMG 060408	0,50-1,50	0,10-0,40										•	•	•				•	•					•	•					
		WNMG 080404	0,50-1,50	0,07-0,30										•	•					•	•					•	•					
		WNMG 080408	0,50-1,50	0,10-0,40										•	•	•				•	•					•	•					
	PW	WNMG 060404	0,50-350	0,05-0,30																												
		WNMG 080404	0,50-350	0,05-0,30	□	□								□	□		□	□														
		WNMG 080408	0,80-4,00	0,08-0,30	□	□								□	□		□	□														
		WNMG 080412	1,00-5,00	0,18-0,50																												
	AL	WNMG 080404	0,10-1,00	0,05-0,25															•	•	•	•										
		WNMG 080408	0,20-1,50	0,10-0,35															•	•	•	•										
	EH	WNMG 080404	0,50-1,50	0,07-0,30	•	•							•	•											•	•						
		WNMG 080408	0,50-1,50	0,10-0,40	•	•	•						•	•											•	•						
		WNMG 080412	0,60-1,50	0,10-0,50	□	□	□						□	□											•	•	•					
	MA	WNMG 080404	0,90-5,00	0,05-0,30										•	•	•				•	•				•	•						
		WNMG 080408	1,00-5,00	0,10-0,50											•	•	•				•	•				•	•					
		WNMG 080412	1,00-5,00	0,18-0,50												□	□				□	□				•	•					
	TF	WNMG 080404	0,50-1,50	0,07-0,30	•	•								•	•					o	o				•	•						
		WNMG 080408	0,50-1,50	0,10-0,40	•	•									•	•					o	o				•	•					
		WNMG 080412	0,60-1,50	0,10-0,50	•	•	•								•	•	•				o	o				•	•	•				
	EM1	WNMG 080404	0,90-5,00	0,05-0,30	•	•								o	o																	
		WNMG 080408	1,00-5,00	0,10-0,50	•	•	•								o	o	o															
		WNMG 080412	1,00-5,00	0,18-0,50		•	•								o	o																

• Stok ürün | Stock item

o Stok dışı ürün | Non stock item

□ Özel ürün | Special order



Boyutlar (mm)			
Ölçü	d	t	d ₁
06	9,525	4,76	3,81
08	12,7	4,76	5,16

WNM...

ÜRÜN GÖRSELİ	CB	ISO		P						M						K		N		S		U						H				
	UÇ KODU INSERT CODE	ap (mm)	fn (mm/dev)	Vc																												
				TC1110	TC1120	TC1130	TP2110	TP2120	TP2130	TC2310	TC2320	TC2330	TP2310	TP2320	TP2330	TC2210	TC2220	TC2230	TN7501	TN7505	TP2410	TP2420	TC0630	TC1630	TP1630	TP2630	TP4630	TP4640	TP4410	TP1410		
	EM2	WNMG 080404	0,30-2,00	0,10-0,35										□	□						□						•	•				
		WNMG 080408	0,50-3,00	0,15-0,40										•	•						•	•					•	•				
		WNMG 080412	0,50-3,00	0,15-0,45										•	•	•					•	•					•	•				
	PM1	WNMG 060404	0,90-5,00	0,05-0,30	•	•	•											○	○	○												
		WNMG 060408	1,00-5,00	0,10-0,50	•	•	•												○	○	○											
		WNMG 080404	0,90-5,00	0,05-0,30				•	•	•										○	○	○										
		WNMG 080408	1,00-5,00	0,10-0,50				•	•	•									○	○	○											
		WNMG 080412	1,00-5,00	0,18-0,50				•	•											○	○											
	TM	WNMG 080404	0,90-5,00	0,05-0,30	•	•	•																									
		WNMG 080408	1,00-5,00	0,10-0,50	•	•	•																									
		WNMG 080412	1,00-5,00	0,18-0,50				•	•																							
	ST	WNMG 080404	1,00-5,00	0,17-0,45														•	•								•	•				
		WNMG 080408	1,50-5,00	0,23-0,60															•	•	•						•	•	•			
		WNMG 080412	2,00-5,00	0,25-0,60																•	•							•	•			
	DR	WNMG 080408	1,50-5,00	0,23-0,60	•	•	•											•	•	•												
		WNMG 080412	2,00-5,00	0,25-0,60				•	•											•	•											
	MR	WNMG 080408	1,00-5,00	0,10-0,50														•	•	•												
		WNMG 080412	1,00-5,00	0,18-0,50																•	•											

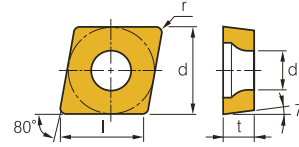
● Stok ürün | Stock item

○ Stok dışı ürün | Non stock item

□ Özel ürün | Special order

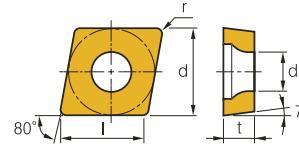
POZİTİF UÇLAR

CCGT



Boyutlar (mm)			
Ölçü	d	t	d ₁
06	6.35	2.38	2.8
09	9.525	3.97	4.4
12	12.7	4.76	5.5

ÜRÜN GÖRSELİ	CB	ISO		Vc	P						M						K		N		S		U						H				
		UÇ KODU INSERT CODE	ap (mm)		f _n (mm/dev)	TC110	TC120	TC130	TP210	TP220	TP230	TC2310	TC2320	TC2330	TP2310	TP2320	TP2330	TC2210	TC2220	TC2230	TN7501	TN7505	TP2410	TP2420	TC0630	TC1630	TP1630	TP2630	TP4630	TP4640	TP4410	TP1410	
						300 (180-420)	250 (140-360)	200 (110-290)	300 (180-420)	250 (140-360)	200 (110-290)	250 (220-280)	215 (190-240)	180 (160-200)	160 (100-220)	150 (100-200)	130 (80-180)	250 (120-380)	230 (120-340)	200 (100-300)	700 (500-800)	450 (300-600)	50 (35-65)	40 (20-80)	200 (120-280)	200 (120-280)	190 (110-270)	190 (110-270)	190 (110-270)	170 (100-240)	100 (70-130)	100 (70-130)	
	AL1	CCGT 060202	0,05-3,00	0,01-0,12																•	•	o	o								□	□	
		CCGT 060204	0,10-3,00	0,02-0,15																	•	•	o	o								□	□
		CCGT 060208	0,10-4,00	0,02-0,20																	•	•	o	o								□	□
		CCGT 09T302	0,05-3,00	0,01-0,12																	•	•	o	o								□	□
		CCGT 09T304	0,10-5,00	0,02-0,30																													
		CCGT 09T308	0,10-5,00	0,03-0,50																													
		CCGT 120402	0,05-4,00	0,01-0,12																													
		CCGT 120404	0,10-5,00	0,02-0,15																													
	AL2	CCGT 060202	0,08-0,80	0,04-0,10																•	•	o	o								□	□	
		CCGT 09T302	0,10-1,00	0,04-0,12																	•	•	o	o								□	□
		CCGT 120402	0,10-1,00	0,05-0,10																	•	•	o	o								□	□
		CCGT 120404	0,30-1,50	0,06-0,12																	•	•	o	o								□	□



Boyutlar (mm)			
Ölçü	d	t	d ₁
06	6.35	2.38	2.8
09	9.525	3.97	4.4
12	12.7	4.76	5.5

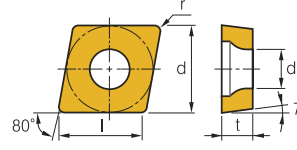
ÜRÜN GÖRSELİ	CB		ISO		P						M						K		N		S		U						H			
			Vc	300 (180-420)	250 (140-360)	200 (110-290)	300 (180-420)	250 (140-360)	200 (110-290)	250 (220-280)	215 (190-240)	180 (160-200)	160 (100-220)	150 (100-200)	130 (80-180)	250 (120-380)	230 (120-340)	200 (100-300)	700 (500-800)	450 (300-600)	50 (35-65)	40 (20-80)	200 (120-280)	200 (120-280)	190 (110-270)	190 (110-270)	190 (110-270)	170 (100-240)	100 (70-130)	100 (70-130)		
																															UÇ KODU INSERT CODE	ap (mm)
	PF1	CCMT 060204	0,10-3,00	0,02-0,15							•	•										•	•			•	•					
CCMT 09T302		0,05-3,00	0,02-0,20								•	•										•	•			•	•					
CCMT 09T304		0,10-5,00	0,02-0,30									•	•										•	•			•	•				
CCMT 09T308		0,10-5,00	0,03-0,50									•	•										•	•			•	•				
CCMT 120404		0,10-5,00	0,03-0,50									•	•										•	•			•	•				
	PF2	CCMT 060202	0,08-0,80	0,04-0,10	•	•										•	•															
CCMT 060204		0,08-0,90	0,04-0,10	•	•											•	•															
CCMT 09T304		0,10-1,00	0,05-0,10	•	•											•	•															
CCMT 09T308		0,10-1,00	0,08-0,15	•	•											•	•															
CCMT 120404		0,30-1,50	0,06-0,12	•	•											•	•															
CCMT 120408		0,30-1,50	0,08-0,15	•	•											•	•															

• Stok ürün | Stock item

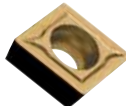
o Stok dışı ürün | Non stock item

□ Özel ürün | Special order

CCMT



Boyutlar (mm)			
Ölçü	d	t	d ₁
06	6.35	2.38	2.8
09	9.525	3.97	4.4
12	12.7	4.76	5.5

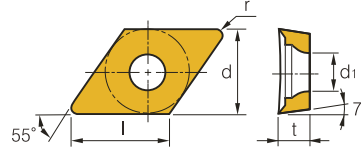
ÜRÜN GÖRSELİ	CB	ISO			P						M						K	N	S	U						H						
		UÇ KODU INSERT CODE	ap (mm)	Vc fn (mm/dev)	300(180-420)	250 (140-360)	200 (110-290)	300(180-420)	250 (140-360)	200 (110-290)	250(220-280)	215 (190-240)	180 (160-200)	160(100-220)	150(100-200)	130(80-180)	250(120-380)	230(120-340)	200(100-300)	700 (500-800)	450 (300-600)	50 (35-65)	40 (20-80)	200 (120-280)	200 (120-280)	190 (110-270)	190 (110-270)	190 (110-270)	170 (100-240)	100 (70-130)	100 (70-130)	
					TC1110	TC1120	TC1130	TP2110	TP2120	TP2130	TC2310	TC2320	TC2330	TP2310	TP2320	TP2330	TC2210	TC2220	TC2230	TN7501	TN7505	TP2410	TP2420	TC0630	TC1630	TP1630	TP2630	TP4630	TP4640	TP4410	TP1410	
	PSI	CCMT 060204	0,30-1,00	0,10-0,25	•	•										•	•															
CCMT 060208		0,20-3,00	0,08-0,20	•	•											•	•															
CCMT 09T304		0,30-1,50	0,05-0,20	•	•											•	•															
CCMT 09T308		0,30-1,50	0,10-0,25	•	•											•	•															
CCMT 120404		0,30-2,00	0,07-0,22	•	•											•	•															
CCMT 120408		0,30-2,00	0,07-0,22	•	•											•	•															
	PS2	CCMT 060202	0,50-2,50	0,05-0,20	o	o					o	o																				
CCMT 060204		0,80-3,00	0,08-0,25	•	•						•	•																				
CCMT 060208		0,50-2,50	0,05-0,20	o	o						o	o																				
CCMT 09T304		0,80-3,00	0,08-0,25	•	•						•	•																				
CCMT 09T308		1,00-3,00	0,10-0,30	o	o						o	o																				
CCMT 120404		0,80-3,00	0,10-0,32	o	o						o	o																				
	ST	CCMT 060204	0,60-2,00	0,05-0,15	•	•										•	•											•	•			
CCMT 060208		0,80-2,30	0,07-0,20	•	•											•	•											•	•			
CCMT 09T304		0,80-3,00	0,08-0,25	•	•						•	•				•	•											•	•			
CCMT 09T308		1,00-3,00	0,10-0,30	•	•						•	•				•	•											•	•			
CCMT 120404		0,80-3,00	0,10-0,32	•	•						•	•				•	•											•	•			
CCMT 120408		1,20-3,50	0,12-0,36	•	•											•	•											•	•			
	EMT	CCMT 09T304	0,70-3,50	0,10-0,25							•	•										•	•				•	•				
CCMT 09T308		1,00-3,50	0,13-0,30								•	•										•	•				•	•				

• Stok ürün | Stock item

o Stok dışı ürün | Non stock item

□ Özel ürün | Special order

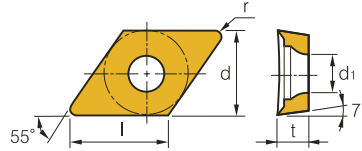
DCGT



Boyutlar (mm)			
Ölçü	d	t	d ₁
07	6.35	2.38	2.8
11	9.525	3.97	4.4

ÜRÜN GÖRSELİ	CB	ISO			P						M						K			N		S		U						H				
		UÇ KODU INSERT CODE	ap (mm)	fn (mm/dev)	Vc						TC2310	TC2320	TC2330	TP2310	TP2320	TP2330	TC2210	TC2220	TC2230	TN7501	TN7505	TP2410	TP2420	TC0630	TC1630	TP1630	TP2630	TP4630	TP4640	TP4410	TP1410			
					300(180-420)	250 (140-360)	200 (110-290)	300(180-420)	250 (140-360)	200 (110-290)																						250(220-280)	215 (190-240)	180 (160-200)
	AL1	DCGT 070202	0,05-3,00	0,01-0,12																														
DCGT 070204		0,10-3,00	0,02-0,15																															
DCGT 11T302		0,05-3,00	0,02-0,20																															
DCGT 11T304		0,10-5,00	0,02-0,30																															
DCGT 11T308		0,10-5,00	0,03-0,50																															
	AL2	DCGT 070202	0,08-0,80	0,04-0,10																														
DCGT 070204		0,08-0,90	0,04-0,10																															
DCGT 11T302		0,10-1,00	0,04-0,12																															
DCGT 11T304		0,10-1,00	0,05-0,10																															
DCGT 11T308		0,10-1,00	0,08-0,15																															

DCMT



Boyutlar (mm)			
Ölçü	d	t	d ₁
07	6.35	2.38	2.8
11	9.525	3.97	4.4

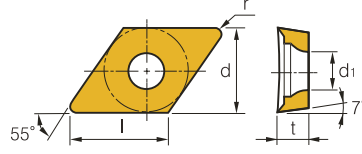
ÜRÜN GÖRSELİ	CB		ISO	P							M				K		N	S	U					H							
			Vc	300(180-420)	250(140-360)	200(110-290)	300(180-420)	250(140-360)	200(110-290)	250(220-280)	215(190-240)	180(160-200)	160(100-220)	150(100-200)	130(80-180)	250(120-380)	230(120-340)	200(100-300)	700(500-800)	450(300-600)	50(35-65)	40(20-80)	200(120-280)	200(120-280)	190(110-270)	190(110-270)	190(110-270)	170(100-240)	100(70-130)	100(70-130)	
	UÇ KODU INSERT CODE	ap (mm)	fn (mm/dev)	TC1110	TC1120	TC1130	TP2110	TP2120	TP2130	TC2310	TC2320	TC2330	TP2310	TP2320	TP2330	TC2210	TC2220	TC2230	TN7501	TN7505	TP2410	TP2420	TC0630	TC1630	TP1630	TP2630	TP4630	TP4640	TP4410	TP1410	
	PFI	DCMT 070204	0,08-0,90	0,04-0,10									•	•							•	•						•	•		
		DCMT 070208	0,10-1,00	0,04-0,12										•	•						•	•						•	•		
		DCMT 11T304	0,10-1,00	0,08-0,15										•	•						•	•						•	•		
		DCMT 11T308	0,30-1,50	0,06-0,12										•	•						•	•						•	•		
	EH	DCMT 070204	0,08-0,90	0,04-0,10	•	•	•				•	•	•																		
		DCMT 070208	0,10-1,00	0,06-0,12	•	•	•				•	•	•																		
		DCMT 11T304	0,10-1,00	0,08-0,15	•	•	•				•	•	•																		
		DCMT 11T308	0,30-1,50	0,06-0,12	•	•	•				•	•	•																		
	PSI	DCMT 070204	0,10-1,50	0,06-0,20	•	•										o	o										•	•			
		DCMT 070208	0,10-1,50	0,06-0,12	•	•											o	o									•	•			
		DCMT 11T304	0,30-2,00	0,08-0,20	•	•											o	o									•	•			
		DCMT 11T308	0,20-2,00	0,08-0,22	•	•											o	o									•	•			

• Stok ürün | Stock item

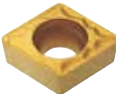
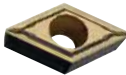
o Stok dışı ürün | Non stock item

□ Özel ürün | Special order

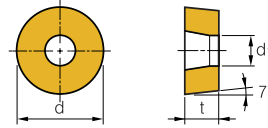
DCMT



Boyutlar (mm)			
Ölçü	d	t	d ₁
07	6.35	2.38	2.8
11	9.525	3.97	4.4

ÜRÜN GÖRSELİ	CB	ISO			P						M						K	N	S	U						H					
				Vc	300(180-420)	250(140-360)	200(110-290)	300(180-420)	250(140-360)	200(110-290)	250(220-280)	215(190-240)	180(160-200)	160(100-220)	150(100-200)	130(80-180)	250(120-380)	230(120-340)	200(100-300)	700(500-800)	450(300-600)	50(35-65)	40(20-80)	200(120-280)	200(120-280)	190(110-270)	190(110-270)	190(110-270)	170(100-240)	100(70-130)	100(70-130)
	UÇ KODU INSERT CODE	ap (mm)	fn (mm/dev)	TC1110	TC1120	TC1130	TP2110	TP2120	TP2130	TC2310	TC2320	TC2330	TP2310	TP2320	TP2330	TC2210	TC2220	TC2230	TN7501	TN7505	TP2410	TP2420	TC0630	TC1630	TP1630	TP2630	TP4630	TP4640	TP4410	TP1410	
	PS2	DCMT 070204	0,80-3,00	0,08-0,25	•	•					•	•																			
		DCMT 070208	0,50-2,50	0,05-0,20	•	•					•	•																			
		DCMT 11T304	1,00-3,00	0,10-0,30	•	•					•	•																			
		DCMT 11T308	0,80-3,00	0,10-0,32	•	•					•	•																			
	ST	DCMT 070204	0,20-2,30	0,05-0,15	o	o											•	•										•	•		
		DCMT 070208	0,40-2,30	0,08-0,24	o	o												•	•									•	•		
		DCMT 11T304	1,20-3,00	0,08-0,22	o	o												•	•									•	•		
		DCMT 11T308	0,50-3,00	0,10-0,30	o	o												•	•									•	•		

RCMX



Boyutlar (mm)			
Ölçü	d	t	d ₁
12	12.0	4.76	4.2
16	16.0	6.35	5.2
20	20.0	6.35	6.5
25	25.0	7.94	7.25

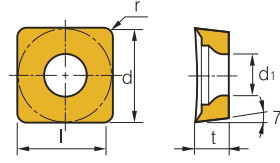
ÜRÜN GÖRSELİ	CB		ISO	P						M						K	N	S	U				H							
			Vc	300 (180-420)	250 (140-360)	200 (110-290)	300 (180-420)	250 (140-360)	200 (110-290)	250 (220-280)	215 (190-240)	180 (160-200)	160 (100-220)	150 (100-200)	130 (80-180)	250 (120-380)	230 (120-340)	200 (100-300)	700 (500-800)	450 (300-600)	50 (35-65)	40 (20-80)	200 (120-280)	200 (120-280)	190 (110-270)	190 (110-270)	190 (110-270)	170 (100-240)	100 (70-130)	100 (70-130)
	UÇ KODU INSERT CODE	ap (mm)	f _n (mm/dev)	TC1110	TC1120	TC1130	TP2110	TP2120	TP2130	TC2310	TC2320	TC2330	TP2310	TP2320	TP2330	TC2210	TC2220	TC2230	TN7501	TN7505	TP2410	TP2420	TC0630	TC1630	TP1630	TP2630	TP4630	TP4640	TP4410	TP1410
		RCMX 1204MO	2,50-5,00	0,30-0,60	●	●										●	●								○	○				
		RCMX 1606MO	3,00-7,00	0,40-0,70	●	●											●	●							○	○				
		RCMX 2006MO	3,50-9,00	0,48-0,90	●												●	●							○	○				
		RCMX 2507MO	4,00-12,00	0,55-1,20	○	○											●	●							○	○				

• Stok ürün | Stock item

o Stok dışı ürün | Non stock item

□ Özel ürün | Special order

SC...



Boyutlar (mm)			
Ölçü	d	t	d ₁
09	9.525	3.97	4.4
12	12.7	4.76	5.5

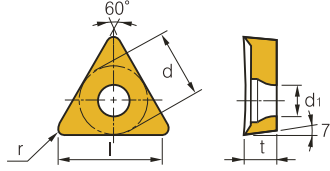
ÜRÜN GÖRSELİ	CB	ISO		P						M						K			N		S		U						H			
		UÇ KODU INSERT CODE	ap (mm)	Vc	fn (mm/dev)																											
						TC1110	TC1120	TC1130	TP2110	TP2120	TP2130	TC2310	TC2320	TC2330	TP2310	TP2320	TP2330	TC2210	TC2220	TC2230	TN7501	TN7505	TP2410	TP2420	TC0630	TC1630	TP1630	TP2630	TP4630	TP4640	TP4410	TP1410
	AL1	SCGT 09T302	0,10-4,00	0,02-0,30																												
		SCGT 09T304	0,10-5,00	0,04-0,40																												
		SCGT 09T308	0,10-5,00	0,03-0,40																												
		SCGT 120404	0,05-3,00	0,01-0,12																												
		SCGT 120408	0,10-3,00	0,02-0,15																												
	AL2	SCMT 09T304	0,50-6,00	0,04-0,50																												
		SCMT 09T308	0,50-6,50	0,04-0,50																												
		SCGT 120404	0,50-6,50	0,05-0,60																												
		SCGT 120408	0,30-1,00	0,10-0,25																												
	PFI	SCMT 09T304	0,10-2,00	0,62-0,20																												
		SCMT 09T308	0,15-2,00	0,08-0,30																												
	PSI	SCMT 09T304	0,30-3,00	0,05-0,35																												
		SCMT 09T308	0,10-1,50	0,06-0,12																												
		SCMT 120404	0,30-3,00	0,05-0,35																												
		SCMT 120408	0,10-1,50	0,06-0,20																												
	ST	SCMT 09T304	0,30-3,00	0,08-0,23																												
		SCMT 09T308	0,20-1,40	0,04-0,18																												
		SCMT 120404	0,30-3,60	0,09-0,27																												
		SCMT 120408	0,08-0,90	0,04-0,10																												

● Stok ürün | Stock item

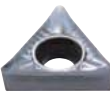
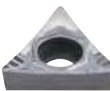
○ Stok dışı ürün | Non stock item

□ Özel ürün | Special order

TC...



Boyutlar (mm)			
Ölçü	d	t	d ₁
9	5,56	2,38	2,5
11	6,35	2,38	2,8
16	9,525	3,77	4,4

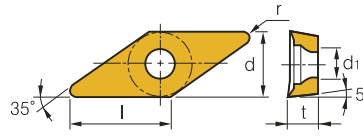
ÜRÜN GÖRSELİ	CB	ISO			P						M						K			N		S		U						H				
	UÇ KODU INSERT CODE	ap (mm)	Vc fn (mm/dev)	300(180-420)						250(220-280)						250(120-380)			700 (500-800)		50 (35-65)		200 (120-280)		200 (120-280)		190 (110-270)		190 (110-270)		170 (100-240)		100 (70-130)	
				TC1110	TC1120	TC1130	TP2110	TP2120	TP2130	TC2310	TC2320	TC2330	TP2310	TP2320	TP2330	TC2210	TC2220	TC2230	TN7501	TN7505	TP2410	TP2420	TC0630	TC1630	TP1630	TP2630	TP4630	TP4640	TP4410	TP1410				
	AL1	TCGT 110202	0,05-4,00	0,02-0,20														•	•															
TCGT 110204		0,10-4,00	0,03-0,30															•	•															
TCGT 110208		0,10-5,00	0,03-0,40															•	•															
TCGT 16T302		0,05-3,00	0,02-0,20																•	•	o	o									□	□		
TCGT 16T304		0,10-5,00	0,02-0,30																•	•	o	o									□	□		
	AL2	TCGT 090202	0,30-3,00	0,02-0,18														•	•															
TCGT 090204		0,30-5,00	0,02-0,25															•	•															
TCGT 16T302		0,50-6,00	0,04-0,45															•	•															
TGGT 16T304		0,10-1,00	0,04-0,12															•	•	o	o										□	□		
TGGT 16T308		0,10-1,00	0,05-0,10															•	•	o	o										□	□		
	PF1	TCMT 110204	0,20-2,00	0,05-0,20							•	•								•	•					•	•							
TCMT 110208		0,20-2,00	0,05-0,30								•	•								•	•					•	•							
TCMT 16T304		0,30-3,00	0,05-0,20								•	•								•	•					•	•							
TCMT 16T308		0,30-3,00	0,10-0,40								•	•								•	•					•	•							
	PSI	TCMT 090204	0,20-2,25	0,06-0,18	•	•										•	•																	
TCMT 090208		0,35-2,25	0,08-0,25	•	•											•	•																	
TCMT 110204		0,20-1,50	0,05-0,15	•	•											•	•																	
TCMT 110208		0,25-2,00	0,10-0,28	•	•											•	•																	
TCMT 16T304		0,30-1,50	0,05-0,20	•	•											•	•																	
	ST	TCMT 16T308	0,30-1,50	0,10-0,25	•	•									•	•																		
TCMT 110204		0,20-1,50	0,05-0,15	o	o										•	•										•	•							
TCMT 110208		0,25-2,00	0,10-0,28	o	o										•	•										•	•							
TCMT 16T304		0,80-3,00	0,08-0,25	o	o										•	•										•	•							
		TCMT 16T308	1,00-3,00	0,10-0,30	o	o									•	•									•	•								

• Stok ürün | Stock item

o Stok dışı ürün | Non stock item

□ Özel ürün | Special order

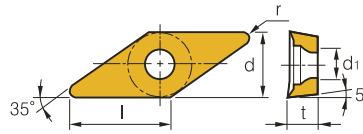
VBGT



Boyutlar (mm)			
Ölçü	d	t	d ₁
11	6.35	2.38-3.18	2.8-3.4
16	9.525	4.76	4.4

ÜRÜN GÖRSELİ	CB	ISO			P						M						K			N		S		U						H		
		UÇ KODU INSERT CODE	ap (mm)	fn (mm/dev)	Vc						TC2310	TC2320	TC2330	TP2310	TP2320	TP2330	TC2210	TC2220	TC2230	TN7501	TN7505	TP2410	TP2420	TC0630	TC1630	TP1630	TP2630	TP4630	TP4640	TP4410	TP1410	
					300(180-420)	250 (140-360)	200 (110-290)	300(180-420)	250 (140-360)	200 (110-290)																						250(220-280)
	AL1	VBGT 110304	0,10-4,00	0,02-0,15																												
VBGT 110308		0,10-5,00	0,03-0,18																													
VBGT 160402		0,05-4,00	0,03-0,30																													
VBGT 160404		0,10-5,00	0,03-0,40																													
VBGT 160408		0,10-5,00	0,03-0,50																													
VBGT 160412		0,10-5,50	0,05-0,60																													
	AL2	VBGT 110304	0,30-4,00	0,03-0,45																												
VBGT 110308		0,50-6,00	0,03-0,50																													
VBGT 16T302		0,30-1,00	0,05-0,20																													
VBGT 16T304		0,30-1,00	0,10-0,25																													

VBMT



Boyutlar (mm)			
Ölçü	d	t	d ₁
16	9.525	4.76	4.4

ÜRÜN GÖRSELİ	CB		ISO		P						M						K			N	S	U						H			
		UÇ KODU INSERT CODE	ap (mm)	fn (mm/dev)	Vc																										
					TC1110	TC1120	TC1130	TP2110	TP2120	TP2130	TC2310	TC2320	TC2330	TP2310	TP2320	TP2330	TC2210	TC2220	TC2230	TN7501	TN7505	TP2410	TP2420	TC0630	TC1630	TP1630	TP2630	TP4630	TP4640	TP4410	TP1410
	PFI	VBMT 160404	0,10-1,80	0,05-0,20									•	•							•	•						•	•		
		VBMT 160408	0,15-1,80	0,07-0,25										•	•						•	•						•	•		
	PSI	VBMT 160404	0,25-2,70	0,07-0,20	•	•												•	•												
		VBMT 160408	0,45-2,70	0,09-0,30	•	•													•	•											
		VBMT 160412	0,55-2,70	0,10-0,30	•	•													•	•											
	EMT	VBMT 160404	0,60-3,00	0,10-0,25									•	•							•	•						•	•		
		VBMT 160408	0,90-3,00	0,13-0,30										•	•						•	•						•	•		

• Stok ürün | Stock item

◦ Stok dışı ürün | Non stock item

□ Özel ürün | Special order

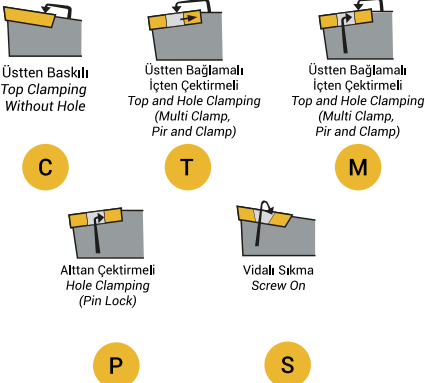
DIŞ ÇAP KATERLERİNİN KODLAMA SİSTEMİ

EXTERNAL TURNING TOOL HOLDER CODE SYSTEM

P	C	L	N	R	20	20	K	12
1	2	3	4	5	6	7	8	9
Bağlama Sistemleri Method of Mounting Insert	Kesici Uç Şekli Insert Shape	Takım Tipi Holder Style	Kesici Uç Boşluk Açısı Clearance Angle of Insert	Takım Kesme Yönü Hand of Tool	Sap Yüksekliği Height of Shank	Sap Genişliği Width of Shank	Takım Boyu Length of Holder	Kesme Kenar Uzunluğu Length of Cutting Edge

1 Bağlama Sistemleri / Type of Bar

H C L N R 20 20 — K 12



Üstten Baskılı
Top Clamping
Without Hole

Üstten Bağlamalı
İçten Çekirmeli
Top and Hole Clamping
(Multi Clamp,
Pin and Clamp)

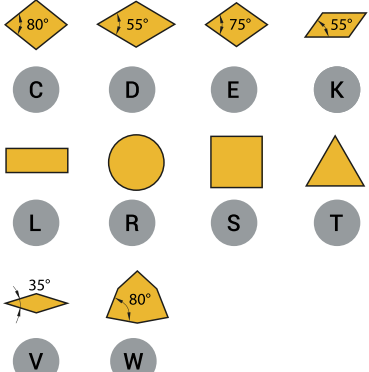
Üstten Bağlamalı
İçten Çekirmeli
Top and Hole Clamping
(Multi Clamp,
Pin and Clamp)

Altıtan Çekirmeli
Hole Clamping
(Pin Lock)

Vidalı Sıkma
Screw On

2 Kesici Uç Şekli / Insert Shape

H C L N R 20 20 — K 12



80°

55°

75°

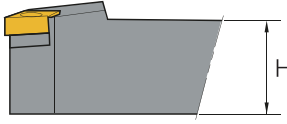
55°

35°

80°

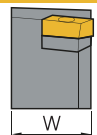
**6 Sap Yüksekliği
Height of Shank**

H C L N R 20 20 — K 12



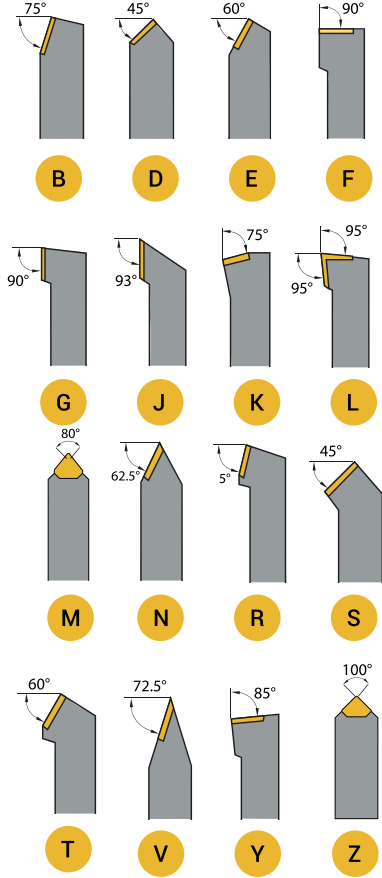
**7 Sap Genişliği
Width of Shank**

H C L N R 20 20 — K 12



3 Takım Tipi / Holder Style

H C L N R 20 20 — K 12



75°

45°

60°

90°

90°

93°

75°

95°

80°

62.5°

5°

45°

60°

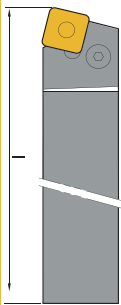
72.5°

85°

100°

**8 Takım Boyu
Length of Holder**

H C L N R 20 20 — K 12

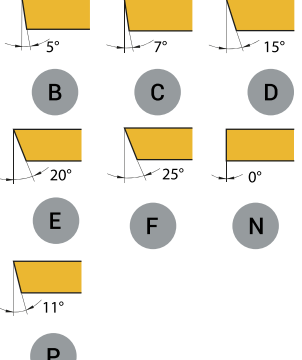


A-32	H-100	Q-180
B-40	J-110	R-200
C-50	K-125	S-250
D-60	L-140	T-300
E-70	M-150	U-350
F-80	N-160	V-400
G-90	P-170	W-450

X-Özel
Takım
X-Special
Item

**4 Kesici Uç Boşluk Açısı
Clearance Angle of Insert**

H C L N R 20 20 — K 12



5°

7°

15°

20°

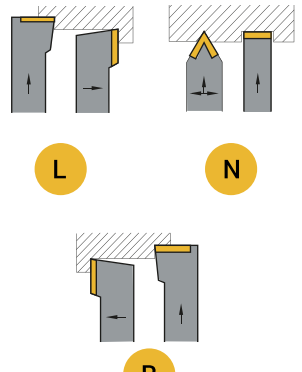
25°

0°

11°

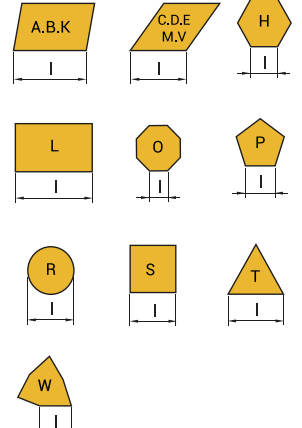
**5 Takım Kesme Yönü
Hand of Tool**

H C L N R 20 20 — K 12



**9 Kesme Kenar Uzunluğu
Length of Insert Cutting Edge**

H C L N R 20 20 — K 12



A.B.K

C.D.E
M.V

H

L

O

P

R

S

T

W

DIŞ ÇAP TORNA KATERLERİ

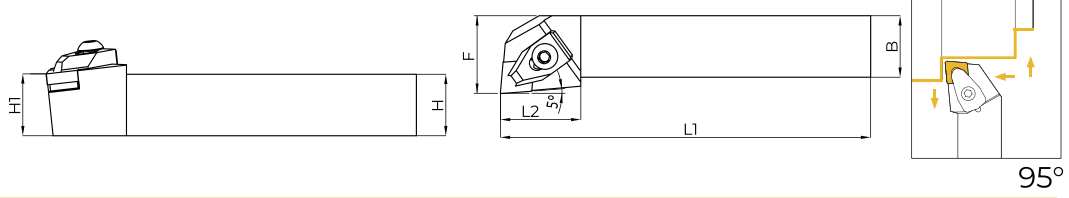
EXTERNAL TURNING TOOL HOLDER

T TİPİ KATERLER

T TYPE TOOL HOLDER



CN**

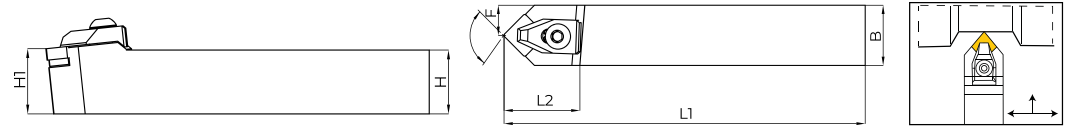


TCLNR/L

ISO	H1 H	B	F	L1	L2	Uç Insert	Altlık Shim	Altlık Vidası Shim Screw	Pabuç Clamp	Pabuç Vidası Clamp Screw	Anahtar Allen Key
TCLNR/L 1616-H12	16	16	25	100	35	CNM. 1204..	SCN12TM	SS0410M	CT0012M	CS0627M	A3
TCLNR/L 2020-K12	20	20	25	125	35						
TCLNR/L 2525-M12	25	25	32	150	40						
TCLNR/L 3232-P12	32	32	40	170	40	CNM. 1606...	SCN16TM	SS0510M	CT0016M	CS0627M	A3
TCLNR/L 2525-M16	25	25	32	150	40						
TCLNR/L 3232-P16	32	32	40	170	40						
TCLNR/L 3232-P19	32	32	40	170	40	CNM. 1906..	SCN19TM	SS0510M	CT0019M	CS0825M	A5
TCLNR/L 4040-R19	40	40	50	200	45						



CN**

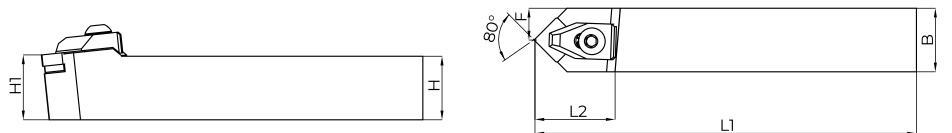


TCMNN

ISO	H1 H	B	F	L1	L2	Uç Insert	Altlık Shim	Vida Screw	Pabuç Clamp	Vida Screw	Anahtar Allen Key
TCMNN 2020-K12	20	20	10	125	35	CNM. 1204	CN..012	M4X8 A2,5	CT0012M	M6X27	A3
TCMNN 2525-M12	25	25	12,5	150	40						
TCMNN 3232-P12	32	32	16	170	40						



CN**



TCZNN

ISO	H1 H	B	F	L1	L2	Uç Insert	Altlık Shim	Vida Screw	Pabuç Clamp	Vida Screw	Anahtar Allen Key
TCZNN 2020-K12	20	20	10	125	35	CNM. 1204..	CN..012	M4X8 A2,5	CT0012M	M6X27	A3
TCZNN 2525-M12	25	25	12,5	150	40						
TCZNN 3232-P12	32	32	16	170	40						

DIŞ ÇAP TORNA KATERLERİ

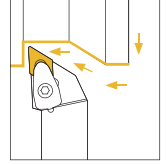
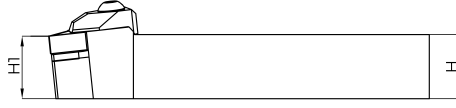
EXTERNAL TURNING TOOL HOLDER

T TİPİ KATERLER

T TYPE TOOL HOLDER



DN**



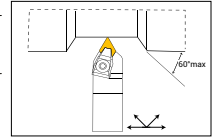
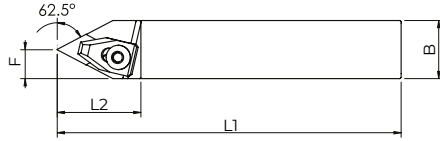
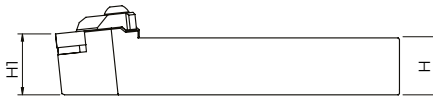
93°

TDJNR/L

ISO	H1 H	B	F	L1	L2	Uç Insert	Altlık Shim	Altlık Vidası Shim Screw	Pabuç Clamp	Pabuç Vidası Clamp Screw	Anahtar Allen Key
TDJNR/L 1616-K11	16	16	21	125	30	DNM. 1104..	SDN11TM	SS0411M	CT0011M	CS0523M	A3
TDJNR/L 2020-K11	20	20	25	125	35						
TDJNR/L 2525-M11	25	25	32	150	40						
TDJNR/L 1616-K15	16	16	21	125	30	DNM. 1506..	SDN15TM	SS0410M	CT0015M	CS0627M	
TDJNR/L 2020-K15	20	20	25	125	35						
TDJNR/L 2525-M15	25	25	32	150	40						
TDJNR/L 3232-P15	32	32	40	170	40						
TDJNR/L 4040-R15	40	40	50	200	45						



DN**

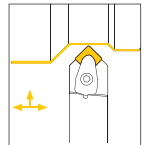
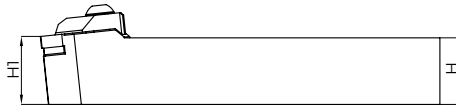


TDNNN

ISO	H1 H	B	F	L1	L2	Uç Insert	Altlık Shim	Vida Screw	Pabuç Clamp	Vida Screw	Anahtar Allen Key
TDNNN 1616-H11	16	16	8	100	30	DNM. 1104..	DN..011	M4X11 T15	CT0011M	M5X23	A3
TDNNN 2020-K11	20	20	10	125	35						
TDNNN 2525-M11	25	25	12,5	150	40						
TDNNN 2020-K15	20	20	10	125	35	DNM. 1506..	DN..015	M4X8 A2,5	CT0015M	M6X27	
TDNNN 2525-M15	25	25	12,5	150	40						
TDNNN 3232-P15	32	32	16	170	40						
TDNNN 4040-R15	40	40	20	200	45						



SN**



45°

TSDNN

ISO	H1 H	B	F	L1	L2	Uç Insert	Altlık Shim	Altlık Vidası Shim Screw	Pabuç Clamp	Pabuç Vidası Clamp Screw	Anahtar Allen Key
TSDNN 2020-K12	20	20	10	125	35	SNMG 1204..	SSN12TM	SS0410M	CT0012M	CS0627M	A3
TSDNN 2525-M12	25	25	12,5	150	40						

DIŞ ÇAP TORNA KATERLERİ

EXTERNAL TURNING TOOL HOLDER

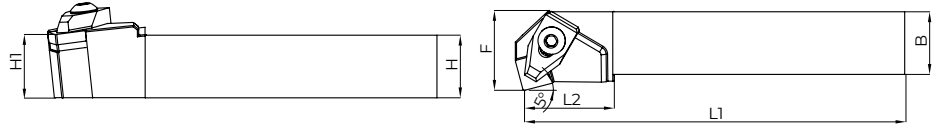
T TİPİ KATERLER

T TYPE TOOL HOLDER



SN**

TSLNR/L

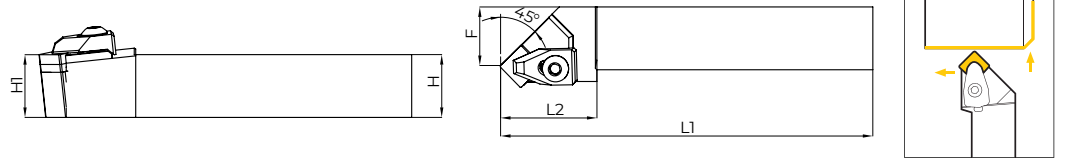


ISO	H1 H	B	F	L1	L2	Uç Insert	Altlık Shim	Altlık Vidası Shim Screw	Pabuç Clamp	Pabuç Vidası Clamp Screw	Anahtar Allen Key
TSLNR/L 2020-K12	20	20	25	125	35	SNMG 1204	SSN12TM	SS0410M	CT0012M	CS0627M	A3
TSLNR/L 2525-M12	25	25	32	150	40						
TSLNR/L 4040-R19	40	40	50	200	45	SNMG 1906	SSN19TM	SS0510M	CT0019M	CS0825M	A5



SN**

TSSNR/L



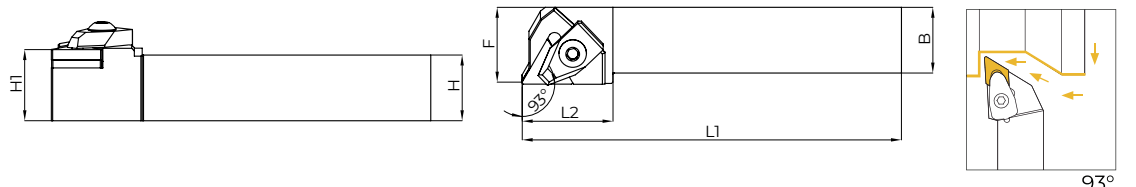
45°

ISO	H1 H	B	F	L1	L2	Uç Insert	Altlık Shim	Altlık Vidası Shim Screw	Pabuç Clamp	Pabuç Vidası Clamp Screw	Anahtar Allen Key
TSSNR/L 2020-K12	20	20	19	125	35	SNMG 1204	SSN12TM	SS0410M	CT0012M	CS0627M	A3
TSSNR/L 2525-M12	25	25	24	150	40						
TSSNR/L 3232-P12	32	32	30	170	40	SNMG 1506	SSN15TM	SS0410M	CT0012M	CS0627M	A3
TSSNR/L 3232-P15	32	32	30	170	40					CS0627M	A3
TSSNR/L 3232-P19	32	32	30	170	40	SNMG 1906	SSN19TM	SS0510M	CT0019M	CS0825M	A5
TSSNR/L 4040-R19	40	40	38	200	45						



TN**

TTJNR/L



93°

ISO	H1 H	B	F	L1	L2	Uç Insert	Altlık Shim	Altlık Vidası Shim Screw	Pabuç Clamp	Pabuç Vidası Clamp Screw	Anahtar Allen Key
TTJNR/L 1616-H16	16	16	21	100	30	TNMG 1604	STN16TMM	SS0410M	CT0016M	CS0523M	A3
TTJNR/L 2020-K16	20	20	25	125	35						
TTJNR/L 2525-M16	25	25	32	150	40	TNMG 2204	STN22TMM	SS0410M	CT0022M	CS0627M	A3
TTJNR/L 2020-K22	20	20	25	125	35						
TTJNR/L 2525-M22	25	25	32	150	40						
TTJNR/L 3232-P22	32	32	40	170	40						

DIŞ ÇAP TORNA KATERLERİ

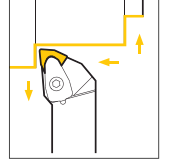
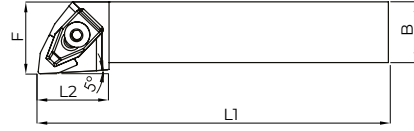
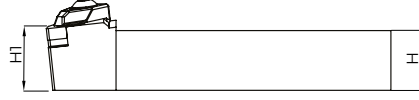
EXTERNAL TURNING TOOL HOLDER

T TİPİ KATERLER

T TYPE TOOL HOLDER



WN**



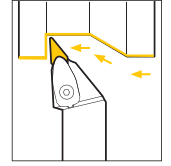
95°

TWLNRL

ISO	H1 H	B	F	L1	L2	Uç Insert	Altlık Shim	Vida Screw	Pabuç Clamp	Pabuç Vidası Clamp Screw	Anahtar Allen Key
TWLNRL 1616-K06	16	16	21	125	30	WNM.0602..	-	-	CT0006M	CS0515M	A3
TWLNRL 2020-K06	20	20	25	125	35						
TWLNRL 2525-M06	25	25	32	150	40						
TWLNRL 2020-K08	20	20	25	125	35	WNM.0804..	SWN08TMM	SS0410M	CT0008M	CS0627M	
TWLNRL 2525-M08	25	25	32	150	40						
TWLNRL 3232-P08	32	32	40	170	40						
TWLNRL 4040-R08	40	40	50	200	45						



VN**



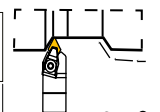
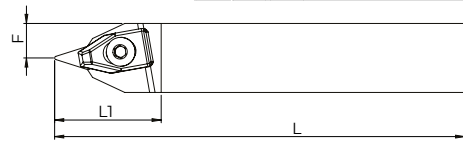
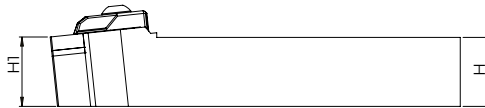
93°

TVJNRL

ISO	H1 H	B	F	L1	L2	Uç Insert	Altlık Shim	Vida Screw	Pabuç Clamp	Pabuç Vidası Clamp Screw	Anahtar Allen Key
TVJNRL 1616-K16	16	16	25	125	35	VNMG 1604	SVN16TM	SS0411M	CT0116M	CS0627M	A3
TVJNRL 2020-K16	20	20	25	125	35						
TVJNRL 2525-M16	25	25	32	150	40						
TVJNRL 3232-P16	32	32	40	170	40						



VN**



72.5°

TVNNN

ISO	H1 H	B	F	L1	L2	Uç Insert	Altlık Shim	Vida Screw	Pabuç Clamp	Pabuç Vidası Clamp Screw	Anahtar Allen Key
TVNNN 2020-K16	20	20	10	125	30	VNMG 1604	SVN16TM	SS0411M	CT0116M	CS0627M	A3
TVNNN 2525-M16	25	25	12,5	150	35						
TVNNN 3232-P16	32	32	16	170	40						

DIŞ ÇAP TORNA KATERLERİ

EXTERNAL TURNING TOOL HOLDER

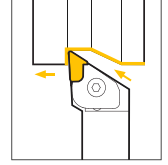
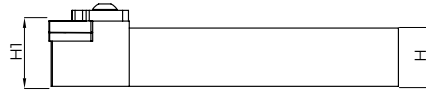
C TİPİ KATERLER

C TYPE TOOL HOLDER



KN**

CKJNR/L



93°

ISO	H1 H	B	F	L1	L2	Uç Insert	Altık Shim	Altık Vida Screw	Pabuç Clamp	Vida Screw	Anahtar Allen Key
CKJNR/L 2020-K16	20	20	25	125	35	KNUX 1604..	SK16RCM	SS0310M	CC0016M	CS0622M	A5
CKJNR/L 2525-M16	25	25	32	150	40						
CKJNR/L 3232-P16	32	32	40	170	40						
CKJNR/L 4040-R16	40	40	50	200	45						

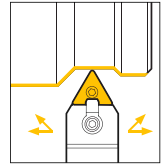
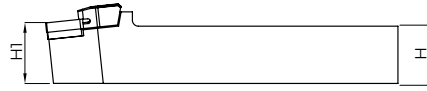
M TİPİ KATERLER

M TYPE TOOL HOLDER



TN**

MTENN



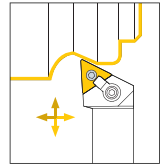
60°

ISO	H1 H	B	F	L1	L2	Uç Insert	Altık Shim	Altık Pimi Shim Pin	Pabuç Clamp	Vida Screw	Anahtar Allen Key
MTENN 1616-K16	16	16	8	125	30	TNMG 1604	STN16TMM	SP053615M	CM0016M	CS0523M	A3
MTENN 2020-K16	20	20	10	125	35						
MTENN 2525-M16	25	25	12,5	150	40						
MTENN 3232-P16	32	32	16	170	35						
MTENN 2525-M22	25	25	12,5	150	40	TNMG 2204	STN22TMM	SPTN22M	CM0022M	CS0627M	A3
MTENN 3232-P22	32	32	16	170	40						



TN**

MTJNR



93°

ISO	H1 H	B	F	L1	L2	Uç Insert	Altık Shim	Altık Pimi Shim Pin	Pabuç Clamp	Vida Screw	Anahtar Allen Key
MTJNR/L 1616-K16	16	16	20	125	35	TNMG 1604	STN16TMM	SPO53615M	CM0016M	CS0523M	A3
MTJNR/L 2020-K16	20	20	25	125	35						
MTJNR/L 2525-M16	25	25	32	150	40						
MTJNR/L 3232-P16	32	32	40	170	40						
MTJNR/L 2525-M22	25	25	32	150	40	TNMG 2204	STN22TMM	SPTN22M	CM022M	CS0627M	A3
MTJNR/L 3232-P22	32	32	40	170	40						
MTJNR/L 4040-R22	40	40	50	200	45						

DIŞ ÇAP TORNA KATERLERİ

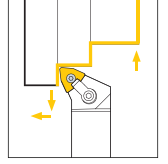
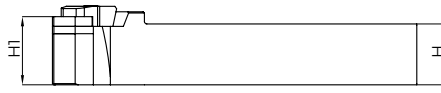
EXTERNAL TURNING TOOL HOLDER

M TİPİ KATERLER

M TYPE TOOL HOLDER



WN**



95°

MWLNLR/L

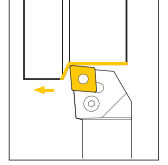
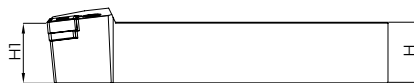
ISO	H1 H	B	F	L1	L2	Uç Insert	Altlık Shim	Altlık Pimi Shim Pin	Pabuç Clamp	Vida Screw	Anahtar Allen Key
MWLNLR/L 1616-H06	16	16	30	100	35	WNM.0602..	-	SP053615M	CM0006M	CS0523M	A3
MWLNLR/L 2020-K06	20	20	25	125	35						
MWLNLR/L 2525-M06	25	25	32	150	40						
MWLNLR/L 2020-K08	20	20	25	125	35	WNM.0804..	SWN08TMM	SPTN22M	CM0008M	CS0627M	
MWLNLR/L 2525-M08	25	25	32	150	40						
MWLNLR/L 3232-P08	32	32	40	170	40						
MWLNLR/L 4040-R08	40	40	50	200	45						

P TİPİ KATERLER

P TYPE TOOL HOLDER



CN**



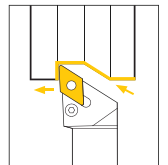
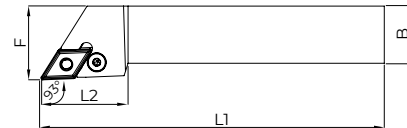
95°

PCLNR/L

ISO	H1 H	B	F	L1	L2	Uç Insert	Altlık Shim	Altlık Vidası Shim Screw	Pabuç Clamp	Pabuç Vida Clamp Screw	Anahtar Allen Key
PCLNR/L 2020-K12	20	20	25	125	35	CNM. 1204..	SCN12PM	SS0410M	CT0012M	CS00627M	A3
PCLNR/L 2525-M12	25	25	32	150	35					CS0627M	A3
PCLNR/L 3232-P12	32	32	40	170	40						
PCLNR/L 4040-R12	40	40	50	200	40	CNM. 1606..	SCN16PM	SS0510M	CT0016M	CS0627M	A3
PCLNR/L 2525-M16	25	25	32	150	40						
PCLNR/L 3232-P16	32	32	40	170	40						
PCLNR/L 4040-R16	40	40	50	200	45	CNM. 1906..	SCN19PM	SS0510M	CT0019M	CS0825M	A5
PCLNR/L 3232-P19	32	32	40	170	40						
PCLNR/L 4040-R19	40	40	50	200	45						



DN**



93°

PDJNR/L

ISO	H1 H	B	F	L1	L2	Uç Insert	Altlık Shim	Altlık Vidası Shim Screw	Pabuç Clamp	Pabuç Vida Clamp Screw	Anahtar Allen Key
PDJNR/L 2020-K15	20	20	25	125	35	DNM. 1506..	SDN15PM	SS0410M	CT0015M	CS0627M	A3
PDJNR/L 2525-M15	25	25	32	150	40						
PDJNR/L 3232-P15	32	32	40	170	40						
PDJNR/L 4040-R15	40	40	45	200	45						

DIŞ ÇAP TORNA KATERLERİ

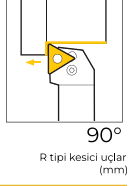
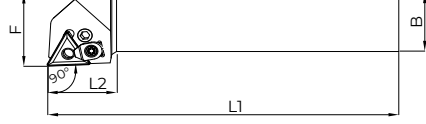
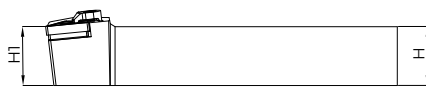
EXTERNAL TURNING TOOL HOLDER

P TİPİ KATERLER

P TYPE TOOL HOLDER



TN**

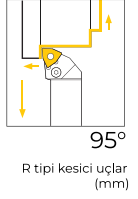
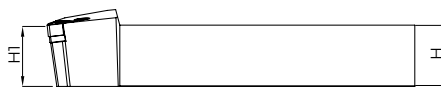


PTJNR/L

ISO	H1 H	B	F	L1	L2	Uç Insert	Altlık Shim	Altlık Vidası Shim Screw	Pabuç Clamp	Pabuç Vida Clamp Screw	Anahtar Allen Key
PTJNR/L 2020-K16	20	20	25	125	35	TNMG 1604	STN16PM	SS0410M	CT0116M	CS0523M	A3
PTJNR/L 2525-M16	25	25	32	150	40					CS0627M	
PTJNR/L 3232-P16	32	32	40	170	40				CT0116M	CS0627M	
PTJNR/L 2525-M22	25	25	32	150	40	TNMG 2204	STN22PM				



WN**



PWLNRL

ISO	H1 H	B	F	L1	L2	Uç Insert	Altlık Shim	Altlık Vidası Shim Screw	Pabuç Clamp	Pabuç Vida Clamp Screw	Anahtar Allen Key
PWLNRL 2020-K08	20	20	25	125	35	WNM.0804..	SWN08PM	SS0410M	CT0008M	CS0627M	A3
PWLNRL 2525-M08	25	25	32	150	40						
PWLNRL 3232-P08	32	32	40	170	40						
PWLNRL 4040-R08	40	40	50	200	45						

DIŞ ÇAP TORNA KATERLERİ

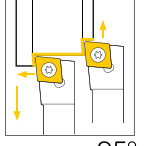
EXTERNAL TURNING TOOL HOLDER

S TİPİ KATERLER

S TYPE TOOL HOLDER



CC**



95°

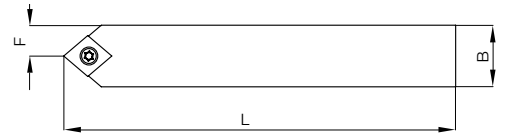
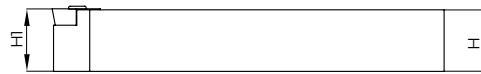
R tipi kesici uçlar
(mm)

SCLCR/L

ISO	H1 H	B	F	L1	L2	Uç Insert	Altık Shim	Altık Vidası Shim Screw	Pabuç Clamp	Vida Screw	Anahtar Allen Key
SCLCR/L 0808-H06	8	8	10	100	20	CC.T 0602..	-	-	-	SM2,5X5	T8
SCLCR/L 1010-H06	10	10	12	100	20						
SCLCR/L 1212-H06	12	12	15	100	20						
SCLCR/L 1616-H06	16	16	20	100	25						
SCLCR/L 1212-H09	12	12	15	100	20	CC.T 09T3..	-	-	-	SM3,5X6	T15
SCLCR/L 1616-H09	16	16	20	100	25						
SCLCR/L 2020-K09	20	20	25	125	35						
SCLCR/L 2525-M09	25	25	32	150	35						
SCLCR/L 1616-H12	16	16	20	100	25	CC.T 1204..	SCC12SM	SS0610M	-	SM4X14	
SCLCR/L 2020-K12	20	20	25	125	35						
SCLCR/L 2525-M12	25	25	32	150	35						
SCLCR/L 3232-P12	32	32	40	170	40						



CC**



SCNCN

ISO	H1 H	B	F	L1	L2	Uç Insert	Altık Shim	Altık Vidası Shim Screw	Pabuç Clamp	Vida Screw	Anahtar Allen Key
SCNCN 0808-H06	8	8	4	100	16	CC.T 0602..	-	-	-	SM2,5X5	T8
SCNCN 1010-H06	10	10	5	100	16						
SCNCN 1212-H06	12	12	6	100	20						
SCNCN 1212-H09	12	12	6	100	20						
SCNCN 1616-H09	16	16	8	100	25	CC.T 09T3..	-	-	-	SM3,5X6	T15
SCNCN 2020-K09	20	20	10	125	35						
SCNCN 2525-M12	25	25	12,5	150	40						
SCNCN 3232-P12	32	32	16	170	40						

DIŞ ÇAP TORNA KATERLERİ

EXTERNAL TURNING TOOL HOLDER

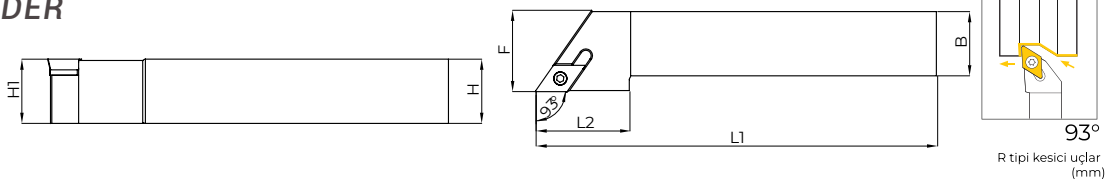
S TİPİ KATERLER

S TYPE TOOL HOLDER



DC**

SDJCR/L

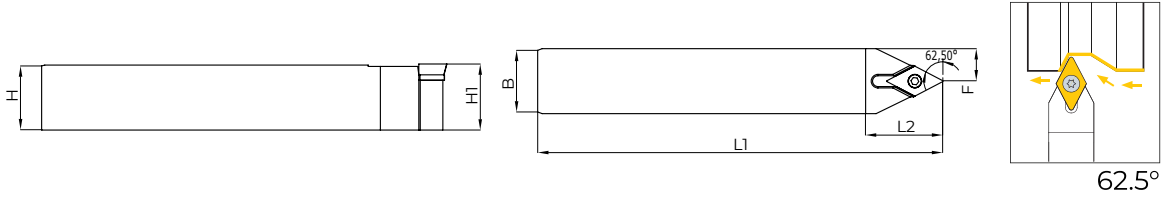


ISO	H1 H	B	F	L1	L2	Uç Insert	Altık Shim	Altık Vidası Shim Screw	Pabuç Clamp	Vida Screw	Anahtar Allen Key
SDJCR/L 0808-H07	8	8	10	100	16	DC.T 0702..	-	-	-	SM2,5X7	T8
SDJCR/L 1010-H07	10	10	12	100	16						
SDJCR/L 1212-H07	12	12	16	100	20						
SDJCR/L 1616-H07	16	16	20	100	25						
SDJCR/L 1616-H11	16	16	20	100	25	DC.T 11T3..	SDC11SM	SS050535M	-	SM3,5X14	T15
SDJCR/L 2020-K11	20	20	25	125	35						
SDJCR/L 2525-M11	25	25	32	150	40						
SDJCR/L 3232-P11	32	32	40	170	40						



DC**

SDNCN

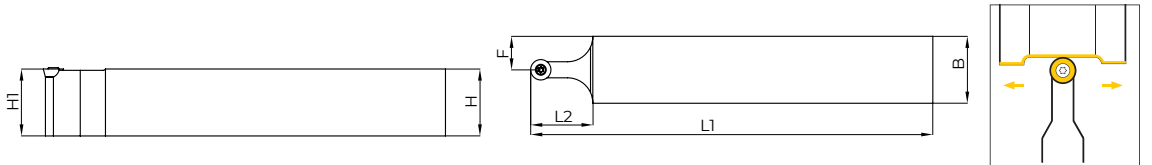


ISO	H1 H	B	F	L1	L2	Uç Insert	Altık Shim	Altık Vidası Shim Screw	Pabuç Clamp	Vida Screw	Anahtar Allen Key
SDNCN 0808-H07	8	8	4	100	16	DC.T 0702..	-	-	-	SM2,5X7	T8
SDNCN 1010-H07	10	10	5	100	16						
SDNCN 1212-H07	12	12	6	100	20						
SDNCN 1616-H07	16	16	8	100	25						
SDNCN 1212-M11	12	12	6	150	20	DC.T 11T3..	SDC11SM	SS050535M	-	SM3,5X14	T15
SDNCN 1616-H11	16	16	8	100	25						
SDNCN 2020-K11	20	20	10	125	35						
SDNCN 2525-M11	25	25	12,5	150	40						
SDNCN 3232-P11	32	32	16	170	45						



RC**

SRDCN



ISO	H1 H	B	F	L1	L2	Uç Insert	Altık Shim	Altık Vidası Shim Screw	Pabuç Clamp	Vida Screw	Anahtar Allen Key
SRDCN 1616-H08	16	16	8	100	20	RC.T 0803.	-	-	-	SM3X9	T10
SRDCN 2020-K08	20	20	10	125	30						
SRDCN 2525-M08	25	25	12,5	150	35	RC.T 10T3..	-	-	-	SM4X11	T15
SRDCN 1616-H10	16	16	8	100	20						
SRDCN 2020-K10	20	20	10	125	30						
SRDCN 2525-M10	25	25	12,5	150	35						
SRDCN 3232-P10	32	32	16	170	40	RC.T 1204..	-	-	-	SM5X12	T20
SRDCN 2020-K12	20	20	10	125	30						
SRDCN 2525-M12	25	25	12,5	150	35						
SRDCN 3232-P12	32	32	16	170	40	RC.T 1604..	-	-	-	SM5X12	T20
SRDCN 2525-M16	25	25	12,5	150	35						

DIŞ ÇAP TORNA KATERLERİ

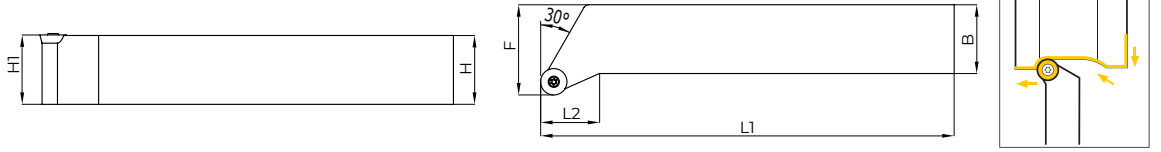
EXTERNAL TURNING TOOL HOLDER

S TİPİ KATERLER

S TYPE TOOL HOLDER



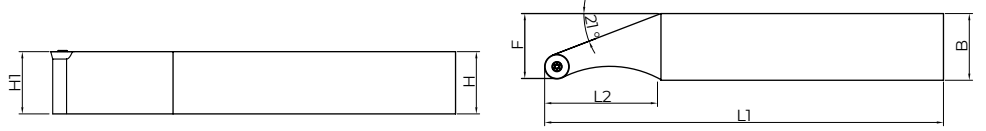
SRGCR/L



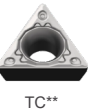
ISO	H1 H	B	F	L1	L2	Uç Insert	Altlık Shim	Altlık Vidası Shim Screw	Pabuç Clamp	Vida Screw	Anahtar Allen Key
SRGCR/L 2020-K08	20	20	25	125	35	RC.T 0803..	-	-	-	SM3X9	T10
SRGCR/L 2525-M08	25	25	32	150	4						
SRGCR/L 2020-K10	20	20	25	125	35	RC.T 10T3..	-	-	-	SM4X11	T15
SRGCR/L 2525-M10	25	25	32	150	40						
SRGCR/L 2020-K12	20	20	25	125	35	RC.T 1204..	-	-			
SRGCR/L 2525-M12	25	25	32	150	40						



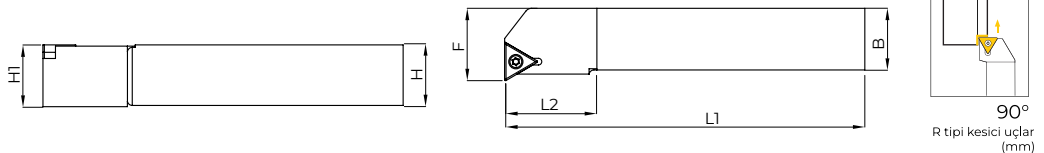
SRHCR/L



ISO	H1 H	B	F	L1	L2	Uç Insert	Altlık Shim	Altlık Vidası Shim Screw	Pabuç Clamp	Vida Screw	Anahtar Allen Key
SRHCR 1616-H08	16	16	16	100	20	RC.T 0803..	-	-	-	SM3X9	T10
SRHCR/L 2020-K08	20	20	20	125	35						
SRHCR/L 2525-M08	25	25	25	150	40						
SRHCR/L 2020-K10	20	20	20	125	35	RC.T 10T3..	-	-	-	SM4X11	T15
SRHCR/L 2525-M10	25	25	25	150	40						
SRHCR 1616-K12	16	16	16	125	25	RC.T 1204..	-	-	-		
SRHCR/L 2020-K12	20	20	20	125	35						
SRHCR/L 2525-M12	25	25	25	150	40						



SRHCR/L



ISO	H1 H	B	F	L1	L2	Uç Insert	Altık Shim	Altık Vidası Shim Screw	Pabuç Clamp	Vida Screw	Anahtar Allen Key
STFCR/L 1212-H11	12	12	16	100	25	TC.T 11..	-	-	-	SM2,5	T8
STFCR/L 1616-H11	16	16	20	100	25						
STFCR/L 2020-K16	20	20	25	125	35	TC.T 16T3..	STC16SM	SS050535M	-	SM3,5X14	T10
STFCR/L 2525-M16	25	25	32	150	40						

DIŞ ÇAP TORNA KATERLERİ

EXTERNAL TURNING TOOL HOLDER

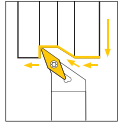
S TİPİ KATERLER

S TYPE TOOL HOLDER



VB**

SVHBR/L



107.5°

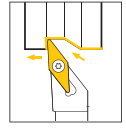
R tipi kesici uçlar
(mm)

ISO	H1 H	B	F	L1	L2	Uç Insert	Altık Shim	Altık Vidası Shim Screw	Pabuç Clamp	Vida Screw	Anahtar Allen Key
SVHBR/L 1616-H11	16	16	20	100	25	VBM. 1103..	-	-	-	SM2,5X7	T08
SVHBR/L 2020-K11	20	20	25	125	30						
SVHBR/L 2020-K16	20	20	25	125	35	VBM. 1604..	SVB16SM	SS050535M	-	SM3,5X14	T15
SVHBR/L 2525-M16	25	25	32	150	40						
SVHBR/L 3232-P16	32	32	40	170	40						



VB**

SVJBR/L



93°

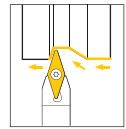
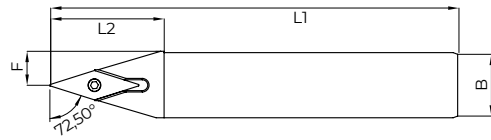
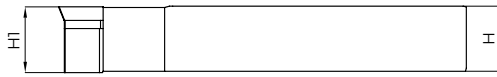
R tipi kesici uçlar
(mm)

ISO	H1 H	B	F	L1	L2	Uç Insert	Altık Shim	Altık Vidası Shim Screw	Pabuç Clamp	Vida Screw	Anahtar Allen Key
SVJBR/L 1212-H11	12	12	20	100	20	VBM. 1103..	-	-	-	SM2,5X7	T08
SVJBR/L 1616-H11	16	16	20	100	25						
SVJBR/L 2020-K11	20	20	25	125	30						
SVJBR/L 2525-M11	25	25	32	150	40						
SVJBR/L 1616-H16	16	16	20	100	25	VBM. 1604..	SVB16SM	SS050535M	-	SM3,5X14	T15
SVJBR/L 2020-K16	20	20	25	125	35						
SVJBR/L 2525-M16	25	25	32	150	40						
SVJBR/L 3232-P16	32	32	40	170	40						



VB**

SVVBN



72.5°

(mm)

ISO	H1 H	B	F	L1	L2	Uç Insert	Altık Shim	Altık Vidası Shim Screw	Pabuç Clamp	Vida Screw	Anahtar Allen Key
SVVBN 1212-H11	12	12	6	100	20	VBM. 1103..	-	-	-	SM2,5X7	T08
SVVBN 1616-H11	16	16	8	100	25						
SVVBN 2020-K11	20	20	12,5	125	35						
SVVBN 1616-H16	16	16	8	100	25	VBM. 1604..	SVB16SM	SS050535M	-	SM3,5X14	T15
SVVBN 2020-K16	20	20	10	125	35						
SVVBN 2525-M16	25	25	12,5	150	40						
SVVBN 3232-P16	32	32	16	170	40						

DIŞ ÇAP TORNA KATERLERİ

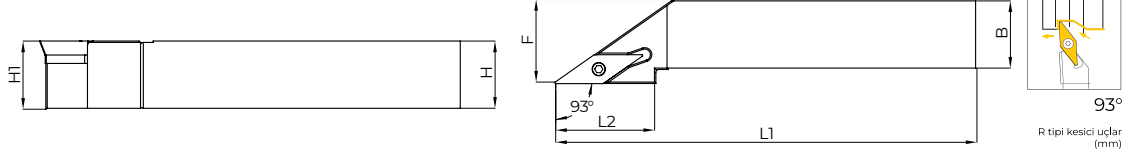
EXTERNAL TURNING TOOL HOLDER

S TİPİ KATERLER

S TYPE TOOL HOLDER



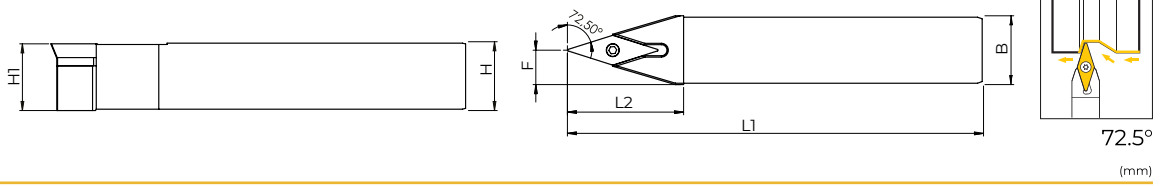
SVJCR/L



ISO	H1 H	B	F	L1	L2	Uç Insert	Altılık Shim	Altılık Vidası Shim Screw	Pabuç Clamp	Vida Screw	Anahtar Allen Key
SVJCR/L 1212-H11	12	12	20	100	20	VCM. 1103..	-	-	-	SM2,5X7	T08
SVJCR/L 1616-H11	16	16	20	100	25						
SVJCR/L 2020-K11	20	20	25	125	35						
SVJCR/L 1616-H16	16	16	20	100	25	VCM. 1604..	SVC16SM	SS050535M	-	SM3,5X14	T15
SVJCR/L 2020-K16	20	20	25	125	35						
SVJCR/L 2525-M16	25	25	32	150	40						
SVJCR/L 3232-P16	32	32	40	170	40						



SVVCN



ISO	H1 H	B	F	L1	L2	Uç Insert	Altılık Shim	Altılık Vidası Shim Screw	Pabuç Clamp	Vida Screw	Anahtar Allen Key
SVVCN 1212-H11	12	12	6	100	20	VCM. 1103..	-	-	-	SM2,5X7	T08
SVVCN 1616-H11	16	16	8	100	25						
SVVCN 2020-K11	20	20	12,5	125	35						
SVVCN 1616-H16	16	16	8	100	25	VCM. 1604..	SVC12SM	SS050535M	-	SM3,5X14	T15
SVVCN 2020-K16	20	20	10	125	35						
SVVCN 2525-M16	25	25	12,5	150	40						
SVVCN 3232-P16	32	32	16	170	40						

İÇ ÇAP KATERLERİNİN KODLAMA SİSTEMİ

INTERNAL TURNING TOOL HOLDER CODE SYSTEM

S12MSCLCR07

123456789

Şaft Tipi
Type of BarŞaft Uzunluğu
Bar DiameterŞaft Uzunluğu
Bar LengthBağlama Sistemleri
Method of Mounting InsertKesici Uç Şekli
Insert ShapeUç Serbest Açısı
Lead Angle of Boring BarAyrılma Açısı
Relief Angle of InsertŞaft Kesme Yönü
Hand of BarKesme Kenar Uzunluğu
Length of Cutting Edge

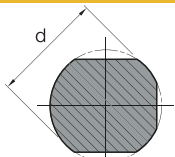
1 Şaft Tipi / Type of Bar

S 12 M - S C L C R - 07

- "A" Soğutma kanallı çelik şaft / "A" Steel with coolant hole
- "E" Çelik kafalı, soğutma kanallı karbür şaft / "E" Carbide bar with ficed steel head and coolant hole
- "C" Karbür Şaft / "C" Carbide Shank
- "S" Çelik Şaft / "S" Steel Shank
- "X" Özel tip / "X" Special type

2 Şaft Çapı / Bar Diameter

S 12 M - S C L C R - 07



3 Şaft Uzunluğu / Bar Length

S 12 M - S C L C R - 07

Boy (L) Length (L)	(mm)
H	100
J	110
K	125
M	150
N	160
Q	180
R	200
S	250
T	300
U	350
V	400
W	450
Y	500

**4 Bağlama Sistemleri
Method of Mounting Insert**

S 12 M - S C L C R - 07









**5 Bağlama Sistemleri
Method of Mounting Insert**

S 12 M - S C L C R - 07










**6 Uç Serbest Açısı
Lead Angle of Boring Bar**

S 12 M - S C L C R - 07

95°


90°


93°


75°


108°


93° (95°)


142°


60°






**7 Ayrılma Açısı
Relief Angle of Insert**

S 12 M - S C L C R - 07



5°



7°



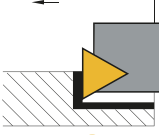
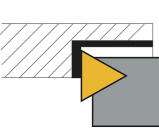
0°



11°

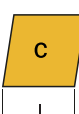
**8 Uç Serbest Açısı
Lead Angle of Boring Bar**

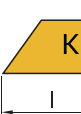
S 12 M - S C L C R - 07

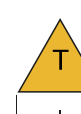
**9 Kesme Kenar Uzunluğu
Length of Cutting Edge**

S 12 M - S C L C R - 07















İÇ ÇAP TORNA KATERLERİ

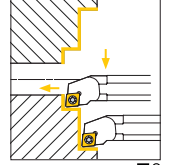
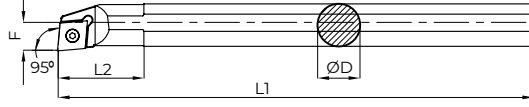
INTERNAL TURNING TOOL HOLDER

S TİPİ KATERLER

S TYPE TOOL HOLDER



CC**



93°

R tipi kesici uçlar
(mm)

S.../A...SCLCR/L

ISO	H1 H	B	F	L1	L2	Uç Insert	Altlık Shim	Vida Screw	Vida Screw	Anahtar Allen Key
S06-08H SCLCR/L-06	8	10	6	100	30	CC.T 0602..	-	-	SM2,5X5	T08
A06-08H SCLCR/L-06	8	10	6	100	30					
S08H SCLCR/L-06	8	11	6	100	25					
A08H SCLCR/L-06	8	11	6	100	25					
S10K SCLCR/L-06	10	13	7	125	25					
A10K SCLCR/L-06	10	13	7	125	25					
S12M SCLCR/L-06	12	16	9	150	30					
A12M SCLCR/L-06	12	16	9	150	30					
S16Q SCLCR/L-06	16	20	11	180	35					
A16Q SCLCR/L-06	16	20	11	180	35					
S12M SCLCR/L-09	12	16	9	150	30	CC.T 09T3..	-	-	SM3,5X6	T15
A12M SCLCR/L-09	12	16	9	150	30					
S16Q SCLCR/L-09	16	20	11	180	35					
A16Q SCLCR/L-09	16	20	11	180	35					
S20R SCLCR/L-09	20	25	13	200	40					
A20R SCLCR/L-09	20	25	13	200	40					
S25S SCLCR/L-09	25	32	17	250	50					
S32T SCLCR/L-09	32	40	23	300	60					
S25S SCLCR/L-12	25	32	17	250	50	CC.T 1204..	SCC125SM	SS060504M	SM4X14	T20
A25S SCLCR/L-12	25	32	17	250	50					
S32T SCLCR/L-12	32	40	23	300	60					
S40V SCLCR/L-12	40	50	27	400	70					

İÇ ÇAP TORNA KATERLERİ

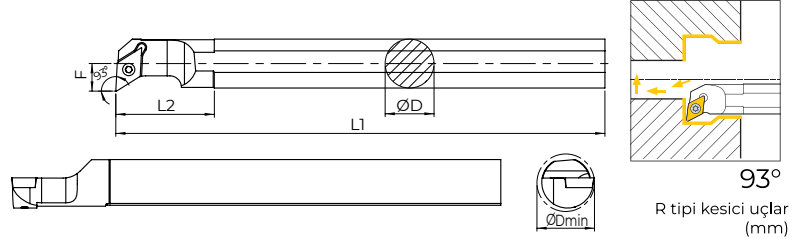
INTERNAL TURNING TOOL HOLDER

S TİPİ KATERLER

S TYPE TOOL HOLDER



DC**

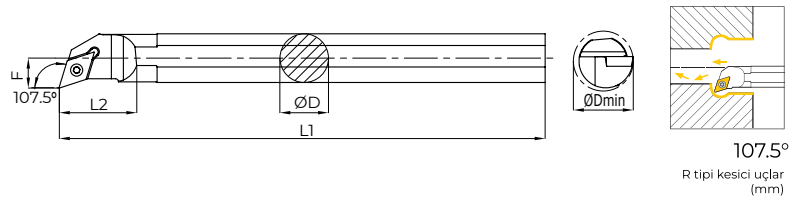


S.../A...SDUCR/L

ISO	H1 H	B	F	L1	L2	Uç Insert	Altlık Shim	Vida Screw	Vida Screw	Anahtar Allen Key
S10K SDUCR/L-07	10	13	7,5	125	25	DC.T 0702..	-	-	SM2,5X5	T08
A10K SDUCR/L-07	10	13	7,5	125	25					
S12M SDUCR/L-07	12	16	9	150	30				SM2,5X7	
A12M SDUCR/L-07	12	16	9	150	30					
S16Q SDUCR/L-07	16	20	11	180	35				SM3,5X8	
S20R SDUCR/L-07	20	25	13	200	40					
S25S SDUCR/L-07	25	32	17,5	250	50	DC.T 11T3..	-	-	SM3,5X8	T15
S16Q SDUCR/L-11	16	20	11	180	35					
A16Q SDUCR/L-11	16	20	11	180	35					
S20R SDUCR/L-11	20	25	13	200	40					
A20R SDUCR/L-11	20	25	13	200	40					
S25S SDUCR/L-11	25	32	17,5	250	50					
A25R SDUCR/L-11	25	32	17,5	200	50					
S32T SDUCR/L-11	32	40	23	300	60		SDC11SM	SS050535M	SM3.5X11	
S40V SDUCR/L-11	40	50	27	400	60					



DC**



S.../A...SDQCR/L

ISO	H1 H	B	F	L1	L2	Uç Insert	Altlık Shim	Vida Screw	Vida Screw	Anahtar Allen Key
S10K SDQCR/L-07	10	13	7,5	125	25	DC.T 0702..	-	-	SM2,5X5	T08
A10K SDQCR/L-07	10	13	7,5	125	25					
S12M SDQCR/L-07	12	16	9	150	30				SM2,5X7	
A12M SDQCR/L-07	12	16	9	150	30					
S16Q SDQCR/L-07	16	20	11	180	35				SM3,5X8	
S20R SDQCR/L-07	20	25	13	200	40					
S25S SDQCR/L-07	25	32	17,5	250	50	DC.T 11T3..	-	-	SM3,5X8	T15
S16Q SDQCR/L-11	16	20	11	180	35					
A16Q SDQCR/L-11	16	20	11	180	35					
S20R SDQCR/L-11	20	25	13	200	40					
A20R SDQCR/L-11	20	25	13	200	40					
S25S SDQCR/L-11	25	32	17,5	250	50					
S32T SDQCR/L-11	32	40	23	300	60		SDC11SM	SS050535M	SM3,5X11	

İÇ ÇAP TORNA KATERLERİ

INTERNAL TURNING TOOL HOLDER

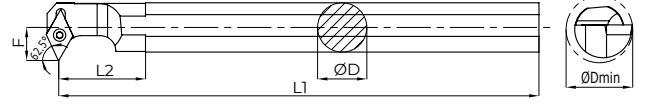
S TİPİ KATERLER

S TYPE TOOL HOLDER



DC**

S...SD-CR/L

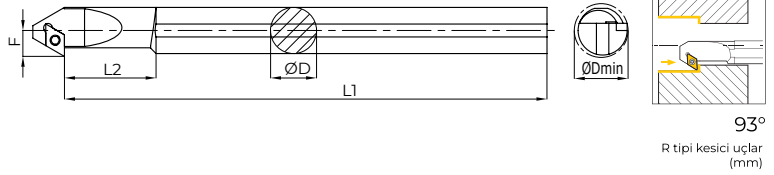


ISO	H1 H	B	F	L1	L2	Uç Insert	Altlık Shim	Vida Screw	Vida Screw	Anahtar Allen Key
S10K SD-CR/L-07	10	14	8,5	125	28	DC.T 0702..	-	-	SM2.5X7	T08
S12M SD-CR/L-07	12	16	9	150	30					
S16Q SD-CR/L-07	16	23	14	180	40					
S16Q SD-CR/L-11	16	23	14	180	40	DC.T 11T3..	-	-	SM3.5X8	T15
S20R SD-CR/L-11	20	25	14,5	200	45					
S25S SD-CR/L-11	25	32	19	250	55					
S32T SD-CR/L-11	32	40	23	300	60					
S40V SD-CR/L-11	40	50	27	400	70					
							SDC11SM	SS050535M	SM3,5X11	



DC**

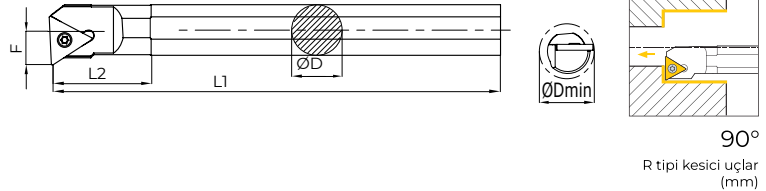
S...SDXCR/L



ISO	H1 H	B	F	L1	L2	Uç Insert	Altlık Shim	Vida Screw	Vida Screw	Anahtar Allen Key
S12M SDXCR/L-07	12	16	9	150	30	DC.T 0702..	-	-	SM2,5X5	T08
S16Q SDXCR/L-07	16	22	12,5	180	40				SM2,5X7	
S16Q SDXCR/L-11	16	22	12,5	180	40				SM3.5X8	
S20R SDXCR/L-11	20	25	14	200	55	DC.T 11T3..	-	-	SM3.5X8	T15
S25S SDXCR/L-11	25	32	17,5	250	65				SM3.5X11	
S32T SDXCR/L-11	32	40	23	300	80				SM3.5X11	
							SDC11SM	SS050535M	SM3,5X11	



TC**



S...STFCR/L

ISO	H1 H	B	F	L1	L2	Uç Insert	Altlık Shim	Vida Screw	Vida Screw	Anahtar Allen Key
S16Q STFCR/L-16	16	20	11	180	35	TC.T 16T3..	-	-	SM3,5X8	T15
S20R STFCR/L-16	20	25	13	200	40				SM3,5X8	
S25S STFCR/L-16	25	32	17,5	250	50				SM3,5X11	
S32T STFCR/L-16	32	40	23	300	60				SM3,5X11	
							STC165M	SS050535M	SM3,5X11	

İÇ ÇAP TORNA KATERLERİ

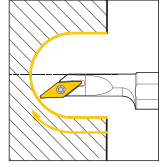
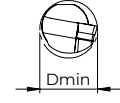
INTERNAL TURNING TOOL HOLDER

S TİPİ KATERLER

S TYPE TOOL HOLDER



VB**



142°

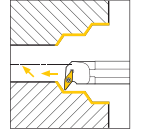
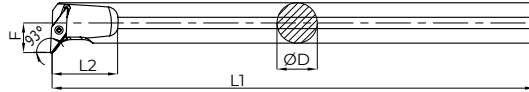
R tipi kesici uçlar
(mm)

S...SVJBR/L

ISO	H1 H	B	F	L1	L2	Uç Insert	Altlık Shim	Vida Screw	Vida Screw	Anahtar Allen Key
S25S SVJBR/L-16	25	32	17	250	50	VBM. 1604..	SVC16SM	SS050535M	SM3,5X11	T15
S32T SVJBR/L-16	32	40	23	300	80					
S40V SVJBR/L-16	40	50	27	400	80					



VB**



93°

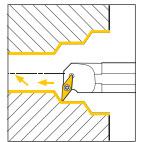
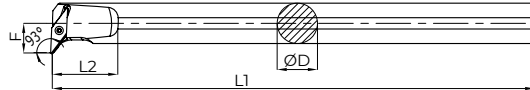
R tipi kesici uçlar
(mm)

S...SVUBR/L

ISO	H1 H	B	F	L1	L2	Uç Insert	Altlık Shim	Vida Screw	Vida Screw	Anahtar Allen Key
S16Q SVUBR/L-11	16	20	11	180	40	VBM. 1103..	-	-	SM2,5X7	T08
S20R SVUBR/L-11	20	25	13	200	40					
S25S SVUBR/L-16	25	32	17	250	50	VBM. 1604..	SVB16SM	SS050535M	SM3,5X11	T15
S32T SVUBR/L-16	32	40	22	300	60					
S40V SVUBR/L-16	40	50	27	400	70					



VC**



93°

R tipi kesici uçlar
(mm)

S...SVUCR/L

ISO	H1 H	B	F	L1	L2	Uç Insert	Altlık Shim	Vida Screw	Vida Screw	Anahtar Allen Key
S16Q SVUCR/L-11	16	20	11	180	40	VCM. 1103..	-	-	SM2,5X7	T08
S20R SVUCR/L-11	20	25	13	200	40					
S25S SVUCR/L-16	25	32	17	250	50	VCM. 1604..	SVC16SM	SS050535M	SM3,5X11	T15
S32T SVUCR/L-16	32	40	22	300	60					
S40V SVUCR/L-16	40	50	27	400	70					

İÇ ÇAP TORNA KATERLERİ

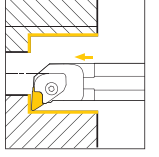
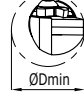
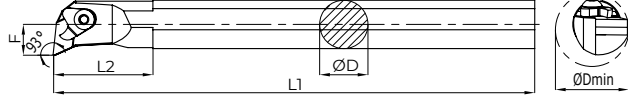
INTERNAL TURNING TOOL HOLDER

C TİPİ KATERLER

C TYPE TOOL HOLDER



KN**



93°

R tipi kesici uçlar
(mm)

S...CKUNR/L

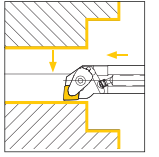
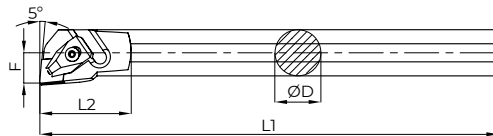
ISO	H1 H	B	F	L1	L2	Uç Insert	Altık Shim	Vida Screw	Pabuç Clamp	Vida Screw	Anahtar Allen Key
S25S CKUNR/L-16	25	32	17	250	50	KNUX 1604	SK16RCM SK16LCM	SS0310M	CC0016M	CS0627M	A3
S32T CKUNR/L-16	32	40	22	300	60						
S40V CKUNR/L-16	40	50	27	400	65						
S50W CKUNR/L-16	50	63	35	450	70						

T TİPİ KATERLER

T TYPE TOOL HOLDER



CN**



95°

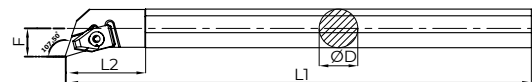
R tipi kesici uçlar
(mm)

S...TCLNR/L

ISO	H1 H	B	F	L1	L2	Uç Insert	Altlık Shim	Vida Screw	Pabuç Clamp	Vida Screw	Anahtar Allen Key
S25S TCLNR/L-12	25	32	17	250	50	CNM. 1204..	SCN12TM	SS0410M	CT0012M	CS0620M	A3
S32T TCLNR/L-12	32	40	22	300	60					CS0627M	
S40V TCLNR/L-12	40	50	27	400	70						
S32T TCLNR/L-16	32	40	22	300	60	CNM. 1606..	SCN16TM	SS0510M	CT0016M		
S40V TCLNR/L-16	40	40	27	400	70						
S50W TCLNR/L-16	50	63	35	450	75						
S60W TCLNR/L-16	60	75	40	450	75						
S40V TCLNR/L-19	40	40	27	400	70	CNM. 1906..	SCN19TM	SS0510M	CT0019M	CS0627M	
S50W TCLNR/L-19	50	63	35	450	75						



DN**



S...TDQNR/L

ISO	H1 H	B	F	L1	L2	Uç Insert	Altlık Shim	Vida Screw	Pabuç Clamp	Vida Screw	Anahtar Allen Key
S25S TDQNR/L-15	25	32	17	250	50	DNM. 1506..	SDN15TM	SS0410M	CT0015M	CS0620M	A3
S32T TDQNR/L-15	32	40	22	300	60					CS0627M	
S40V TDQNR/L-15	40	50	27	400	70						
S50W TDQNR/L-15	50	63	35	450	75						

İÇ ÇAP TORNA KATERLERİ

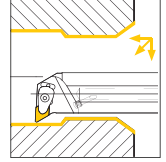
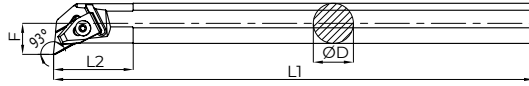
INTERNAL TURNING TOOL HOLDER

T TİPİ KATERLER

T TYPE TOOL HOLDER



DN**



93°

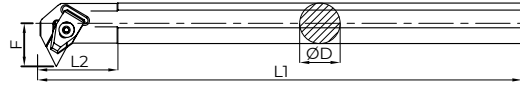
R tipi kesici uçlar
(mm)

S...TDUNR/L

ISO	H1	H	B	F	L1	L2	Uç Insert	Altlık Shim	Vida Screw	Pabuç Clamp	Vida Screw	Anahtar Allen Key
S20R TDUNR/L-11	20	25	13	200	40		DNM. 1104..	-	-	CT0011M	CS0515M	A3
S25S TDUNR/L-15	25	32	17	250	50						CS0620M	
S32T TDUNR/L-15	32	40	22	300	60							
S40V TDUNR/L-15	40	50	27	400	70		DNM. 1506..	SDN15TM	SS0410M	CT0015M	CS0627M	
S50W TDUNR/L-15	50	63	35	450	75							
S60W TDUNR/L-15	60	75	40	450	75							



DN**

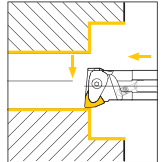
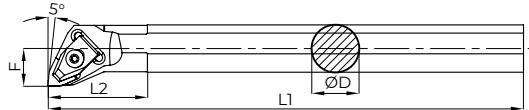


S...TD-NR/L

ISO	H1	H	B	F	L1	L2	Uç Insert	Altlık Shim	Vida Screw	Pabuç Clamp	Vida Screw	Anahtar Allen Key
S32T TD-NR/L-15	32	43	27	300	60		DNM. 1506	SDN15TM	SS0410M	CT0015M	CS0627M	A3
S40V TD-NR/L-15	40	50	30	400	70							



WN**



95°

R tipi kesici uçlar
(mm)

S...TWLNR/L

ISO	H1	H	B	F	L1	L2	Uç Insert	Altlık Shim	Vida Screw	Pabuç Clamp	Vida Screw	Anahtar Allen Key
S20R TWLNR/L-06	20	25	13	200	40		WNM. 0602..	-	-	CT0006M	CS0515M	A3
A20R TWLNR/L-06	20	25	13	200	40							
S25S TWLNR/L-08	25	32	17	250	50						CS0620M	
A25S TWLNR/L-08	25	32	17	250	50							
S32T TWLNR/L-08	32	40	22	300	60		WNM. 0804..	SWN08TMM	SS0410M	CT0008M	CS0627M	
S40V TWLNR/L-08	40	50	27	400	70							
S50W TWLNR/L-08	50	63	35	450	75							
S60W TWLNR/L-08	60	75	40	450	75							

İÇ ÇAP TORNA KATERLERİ

INTERNAL TURNING TOOL HOLDER

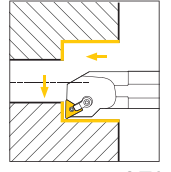
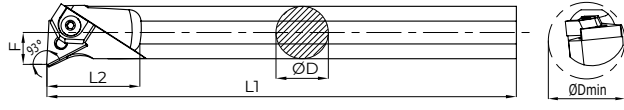
M TİPİ KATERLER

M TYPE TOOL HOLDER



TN**

S...MTUNR/L



93°

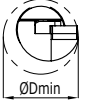
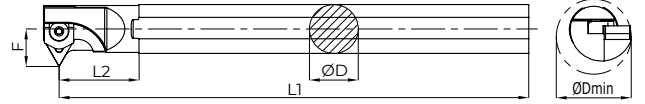
R tipi kesici uçlar
(mm)

ISO	H1 H	B	F	L1	L2	Uç Insert	Altlık Shim	Altlık Pimi Shim Pim	Pabuç Clamp	Vida Screw	Anahtar Allen Key
S20R MTUNR/L-16	20	25	13	200	40	TNM. 1604..	-	-	CM0016M	CS0515M	A3
S25S MTUNR/L-16	25	32	17	250	50		STN16TMM	SP0536125M		CS0523M	
S32T MTUNR/L-16	32	40	22	300	60			SP053615M			
S40V MTUNR/L-16	40	50	27	400	70		TNM. 2204..	STN22TMM	SPTN22M	CM0022M	
S32T MTUNR/L-22	32	40	22	300	60						
S40V MTUNR/L-22	40	50	27	400	70						
S50W MTUNR/L-22	50	63	35	450	75						



TN**

S...MT-NR/L

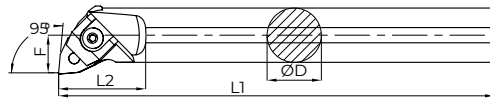


ISO	H1 H	B	F	L1	L2	Uç Insert	Altlık Shim	Altlık Pimi Shim Pim	Pabuç Clamp	Vida Screw	Anahtar Allen Key
S20R MT-NR/L-16	20	25	16	200	40	TNM. 1604..	-	-	CM0016M	CS0515M	A3
S25S MT-NR/L-16	25	32	20	250	50		STN16TMM	SP053615M		CS0523M	
S32T MT-NR/L-16	32	40	23	300	60				TNM. 2204..	STN22TMM	
S40V MT-NR/L-16	40	50	30	400	70						
S32T MT-NR/L-22	32	40	23	300	55						
S40V MT-NR/L-22	40	50	30	400	70						



WN**

S...MWLNR/L



95°

R tipi kesici uçlar
(mm)

ISO	H1 H	B	F	L1	L2	Uç Insert	Altlık Shim	Altlık Pimi Shim Pim	Pabuç Clamp	Vida Screw	Anahtar Allen Key
S16Q MWLNR/L-06	16	20	11	180	-5	WNM. 0604..	-	SP053615M	CM0006M	CS0515M	A3
S20R MWLNR/L-06	20	25	13	200	-5					CS06620M	
S25S MWLNR/L-08	25	32	17	250	-5	WNM. 0804..	SWN08TMM	SPWN08M	CM0008M	CS0627M	
S32T MWLNR/L-08	32	40	22	300	-5						
S40V MWLNR/L-08	40	50	27	400	-5						
S50W MWLNR/L-08	50	63	35	450	-5						

İÇ ÇAP TORNA KATERLERİ

INTERNAL TURNING TOOL HOLDER

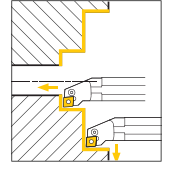
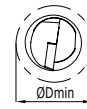
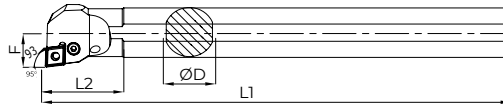
P TİPİ KATERLER

P TYPE TOOL HOLDER



CN**

S...PCLNR/L



95°

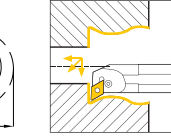
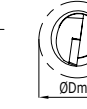
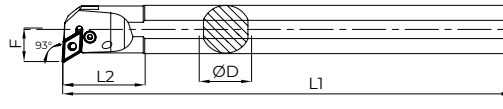
R tipi kesici uçlar
(mm)

ISO	H1 H	B	F	L1	L2	Uç Insert	Altık Shim	Altık Sacı Metal Sheet	Vida Screw	Levye Lever	Anahtar Allen Key
S25S PCLNR/L-12	25	32	17	250	50	CNM. 1204..	SCN12PM	SP012M	S00KM08M	LP012M	A3
S32T PCLNR/L-12	32	40	22	300	60					LP016M	
S40V PCLNR/L-12	40	50	27	400	70					LP019M	
S32T PCLNR/L-16	32	40	22	300	60	CNM. 1606..	SCN16PM	SP016M	S00KM08M	LP016M	A3
S40V PCLNR/L-16	40	50	27	400	70					LP019M	
S50W PCLNR/L-19	50	63	35	400	75	CNM. 1906..	SCN19PM	SP019M	S00KM08M	LP019M	A3



DN**

S...PDUNR/L



93°

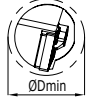
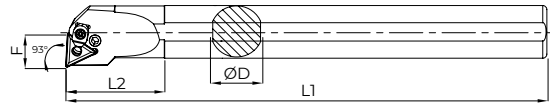
R tipi kesici uçlar
(mm)

ISO	H1 H	B	F	L1	L2	Uç Insert	Altık Shim	Altık Sacı Metal Sheet	Vida Screw	Levye Lever	Anahtar Allen Key
S25S PDUNR/L-15	25	32	17	250	50	DNM. 1506..	SDN15PM	SPM012M	S00KM8M	LP012M	A3
S32T PDUNR/L-15	32	40	22	300	60						
S40V PDUNR/L-15	40	50	27	400	70						



TN**

S...PTUNR/L

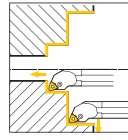
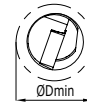
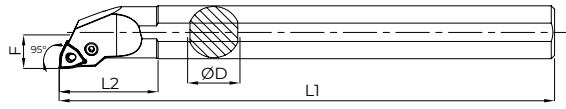


ISO	H1 H	B	F	L1	L2	Uç Insert	Altık Shim	Altık Sacı Metal Sheet	Vida Screw	Levye Lever	Anahtar Allen Key
S32T PTUNR/L-22	32	40	22	300	60	TNM. 2204..	STN22PM	SP022M	S00KM8M	LP022M	A3
S40V PTUNR/L-22	40	50	27	400	70						



WN**

S...PWNR/L



95°

R tipi kesici uçlar
(mm)

ISO	H1 H	B	F	L1	L2	Uç Insert	Altık Shim	Altık Sacı Metal Sheet	Vida Screw	Levye Lever	Anahtar Allen Key
S25M PWNR/L-08	25	32	17	150	40	WNM. 0804..	SWN08PM	SP008M	S00KM8M	LP012M	A3
S32P PWNR/L-08	32	40	22	170	40						
S40R PWNR/L-08	40	50	27	200	45						

SERMET UÇLAR - CERMENT INSERTS

NEGATİF UÇLAR

CNGG

ÜRÜN GÖRSELİ	CB		ISO		KALİTELER					
				Vc	350 (100-600)	300 (100-500)	250 (100-400)	220 (90-350)	300 (100-500)	250 (100-400)
		UÇ KODU INSERT CODE	ap (mm)	f _n (mm/dev)	CN7610	CN7115	CN7120	CN7130	CP5115	CP1120
	CPM1	CNGG 120402R/L	0,20-2,0	0,08-0,25		•				o
		CNGG 120404R/L	0,24-2,4	0,10-0,25		•				o
		CNGG 120408R/L	0,26-2,6	0,10-0,28		□				□
	CPM2	CNGG 120402R/L	0,35-2,0	0,10-0,18	o			□	•	
		CNGG 120404R/L	0,50-2,5	0,12-0,20	o			□	•	
		CNGG 120408R/L	0,80-3,0	0,13-0,30	□			□	□	
	CTF	CNGG 120402R/L	0,30-1,2	0,10-0,20	o	•				
		CNGG 120404R/L	0,30-1,2	0,10-0,20	o	•				
		CNGG 120408R/L	0,50-1,2	0,10-0,20	□	□				

CNMG

ÜRÜN GÖRSELİ	CB		ISO		KALİTELER					
				Vc	350 (100-600)	300 (100-500)	250 (100-400)	220 (90-350)	300 (100-500)	250 (100-400)
		UÇ KODU INSERT CODE	ap (mm)	f _n (mm/dev)	CN7610	CN7115	CN7120	CN7130	CP5115	CP1120
	CES	CNMG 120404	0,22-1,2	0,07-0,20		o	•		o	•
		CNMG 120408	0,25-1,5	0,10-0,22		o	•		o	•
	CEM	CNMG 120404	0,22-1,2	0,07-0,20	o	•		o	•	
		CNMG 120408	0,25-1,5	0,10-0,22	o	•		o	•	
	CM	CNMG 120404	0,24-2,4	0,10-0,25	o	•	□			□
		CNMG 120408	0,26-2,6	0,10-0,28	o	•	□			□

• Stok ürün | Stock item

o Stok dışı ürün | Non stock item

□ Özel ürün | Special order

SERMET UÇLAR - CERMENT INSERTS

NEGATİF UÇLAR

DNMG

ÜRÜN GÖRSELİ	CB	ISO			KALİTELER					
				Vc	350 (100-600)	300 (100-500)	250 (100-400)	220 (90-350)	300 (100-500)	250 (100-400)
		UÇ KODU INSERT CODE	ap (mm)	fn (mm/dev)	CN7610	CN7115	CN7120	CN7130	CP5115	CP1120
	CPM2	DNMG 150404R/L	0,50-2,5	0,12-0,20	o			□	•	
		DNMG 150408R/L	0,80-3,0	0,13-0,30	o			□	•	

DNMG

ÜRÜN GÖRSELİ	CB	ISO			KALİTELER					
				Vc	350 (100-600)	300 (100-500)	250 (100-400)	220 (90-350)	300 (100-500)	250 (100-400)
		UÇ KODU INSERT CODE	ap (mm)	fn (mm/dev)	CN7610	CN7115	CN7120	CN7130	CP5115	CP1120
	CEF	DNMG 150404R/L	0,20-1,6	0,10-0,16	o	•		□	•	□
		DNMG 150408R/L	0,22-2,0	0,12-0,20	o	•		□	•	□
	CES	DNMG 150404	0,22-1,2	0,07-0,20		o	•		o	•
		DNMG 150408	0,25-1,5	0,10-0,22		o	•		o	•
	CEM	DNMG 150404	0,22-1,2	0,07-0,20	o	•		o	•	
		DNMG 150408	0,25-1,5	0,10-0,22	o	•		o	•	

SNMG

ÜRÜN GÖRSELİ	CB	ISO			KALİTELER					
				Vc	350 (100-600)	300 (100-500)	250 (100-400)	220 (90-350)	300 (100-500)	250 (100-400)
		UÇ KODU INSERT CODE	ap (mm)	fn (mm/dev)	CN7610	CN7115	CN7120	CN7130	CP5115	CP1120
	CPM1	SNMG 0902302R/L	0,20-2,0	0,08-0,25		•				o
		SNMG 090304R/L	0,24-2,4	0,10-0,25		•				o
		SNMG 120408R/L	0,26-2,6	0,10-0,28		•				o

• Stok ürün | Stock item

o Stok dışı ürün | Non stock item

□ Özel ürün | Special order

SERMET UÇLAR - CERMENT INSERTS

NEGATİF UÇLAR

TNGG

ÜRÜN GÖRSELİ	CB	ISO			KALİTELER					
				Vc	350 (100-600)	300 (100-500)	250 (100-400)	220 (90-350)	300 (100-500)	250 (100-400)
		UÇ KODU INSERT CODE	ap (mm)	f _n (mm/dev)	CN7610	CN7115	CN7120	CN7130	CP5115	CP1120
	CPMT	TNGG 160402R/L	0,20-2,0	0,08-0,25		□				□
		TNGG 160404R/L	0,24-2,4	0,10-0,25		●				○
		TNGG 160408R/L	0,26-2,6	0,10-0,28		●				○
	CPM	TNGG 160402R/L	0,35-2,0	0,10-0,18	○			□	●	
		TNGG 160404R/L	0,50-2,5	0,12-0,20	○			□	●	
	CTF	TNGG 160402R/L	0,30-1,2	0,10-0,20	○	●				
		TNGG 160404R/L	0,30-1,2	0,10-0,20	○	●				

TNMG

ÜRÜN GÖRSELİ	CB	ISO			KALİTELER					
				Vc	350 (100-600)	300 (100-500)	250 (100-400)	220 (90-350)	300 (100-500)	250 (100-400)
		UÇ KODU INSERT CODE	ap (mm)	f _n (mm/dev)	CN7610	CN7115	CN7120	CN7130	CP5115	CP1120
	CEF	TNMG 160404R/L	0,20-1,6	0,10-0,16	○	●		□	●	□
		TNMG 160408R/L	0,22-2,0	0,12-0,20	○	●		□	●	□
	CES	TNMG 160404	0,22-1,2	0,07-0,20		○	●		○	●
		TNMG 160408	0,25-1,5	0,10-0,22		○	●		○	●
	CEM	TNMG 160404	0,22-1,2	0,07-0,20	○	●		○	●	
		TNMG 160408	0,25-1,5	0,10-0,22	○	●		○	●	
	CM	TNMG 160404	0,24-2,4	0,10-0,25	○	●	□			□
		TNMG 160408	0,26-2,6	0,10-0,28	○	●	□			□
	CPMT	TNMG 160404R/L	0,24-2,4	0,10-0,25		●				○
		TNMG 160408R/L	0,26-2,6	0,10-0,28		●				○

● Stok ürün | Stock item

○ Stok dışı ürün | Non stock item

□ Özel ürün | Special order

SERMET UÇLAR - CERMENT INSERTS

NEGATİF UÇLAR

CCGT

ÜRÜN GÖRSELİ	CB		ISO		KALİTELER					
				Vc	350 (100-600)	300 (100-500)	250 (100-400)	220 (90-350)	300 (100-500)	250 (100-400)
		UÇ KODU INSERT CODE	ap (mm)	f _n (mm/dev)	CN7610	CN7115	CN7120	CN7130	CP5115	CP1120
	CL2	CCGT 060202R/L	0,20-1,0	0,05-0,18		●		□	●	
		CCGT 060204R/L	0,22-1,2	0,07-0,20		●		□	●	
		CCGT 09T302R/L	0,25-1,5	0,10-0,22		●		□	●	
		CCGT 09T304R/L	0,22-1,2	0,07-0,20		●		□	●	
	CPFI	CCGT 060202R/L	0,20-2,0	0,08-0,25	●	○	□			
		CCGT 060204R/L	0,24-2,4	0,10-0,25	●	○	□			
		CCGT 09T302R/L	0,26-2,6	0,10-0,28	●	○	□			
		CCGT 09T304R/L	0,24-2,4	0,10-0,25	●	○	□			
	CLH	CCGT 060202R/L	0,20-2,0	0,08-0,25		□	○	●		
		CCGT 060204R/L	0,24-2,4	0,10-0,25		□	○	●		
		CCGT 09T302R/L	0,26-2,6	0,10-0,28		□	○	●		
		CCGT 09T304R/L	0,24-2,4	0,10-0,25		□	○	●		

CCMT

ÜRÜN GÖRSELİ	CB		ISO		KALİTELER					
				Vc	350 (100-600)	300 (100-500)	250 (100-400)	220 (90-350)	300 (100-500)	250 (100-400)
		UÇ KODU INSERT CODE	ap (mm)	f _n (mm/dev)	CN7610	CN7115	CN7120	CN7130	CP5115	CP1120
	CPFI	CCMT 060202	0,20-2,0	0,08-0,25	●	○	□			
		CCMT 060204	0,24-2,4	0,10-0,25	●	○	□			
		CCMT 09T302	0,26-2,6	0,10-0,28	●	○	□			
		CCMT 09T304	0,24-2,4	0,10-0,25	●	○	□			
		CCMT 09T308	0,26-2,6	0,10-0,28	●	○	□			
	CFI	CCMT 060202	0,50-2,00	0,06-0,12		●	●		□	□
		CCMT 060204	0,50-2,00	0,08-0,22		●	●		□	□
		CCMT 09T302	0,50-2,00	0,10-0,25		●	●		□	□
		CCMT 09T304	0,50-2,00	0,08-0,22		●	●		□	□
		CCMT 09T308	0,50-2,00	0,10-0,25		●	●		□	□
	CMT	CCMT 060202	0,35-2,0	0,10-0,18	□		○		●	●
		CCMT 060204	0.50-2.5	0,12-0,20	□		○		●	●
		CCMT 09T302	0,80-3,0	0,13-0,30	□		○		●	●
		CCMT 09T304	0.50-2.5	0,12-0,20	□		○		●	●
		CCMT 09T308	0,80-3,0	0,13-0,30	□		○		●	●

• Stok ürün | Stock item

○ Stok dışı ürün | Non stock item

□ Özel ürün | Special order

SERMET UÇLAR - CERMENT INSERTS

NEGATİF UÇLAR

DCGT

ÜRÜN GÖRSELİ	CB	ISO			KALİTELER					
				Vc	350 (100-600)	300 (100-500)	250 (100-400)	220 (90-350)	300 (100-500)	250 (100-400)
		UÇ KODU INSERT CODE	ap (mm)	f _n (mm/dev)	CN7610	CN7115	CN7120	CN7130	CP5115	CP1120
	CL2	DCGT 070202R/L	0,20-1,0	0,05-0,18		•		□	•	
		DCGT 070204R/L	0,22-1,2	0,07-0,20		•		□	•	
		DCGT 11T302R/L	0,20-1,0	0,05-0,18		•		□	•	
		DCGT 11T304R/L	0,22-1,2	0,07-0,20		•		□	•	
	CPI	DCGT 070202R/L	0,20-2,0	0,08-0,25	•	o	□			
		DCGT 070204R/L	0,24-2,4	0,10-0,25	•	o	□			
		DCGT 070208R/L	0,26-2,6	0,10-0,28	•	o	□			
		DCGT 11T302R/L	0,20-2,0	0,08-0,25	•	o	□			
		DCGT 11T304R/L	0,24-2,4	0,10-0,25	•	o	□			
	CLH	DCGT 11T302R/L	0,20-2,0	0,08-0,25		□	o	•		
		DCGT 11T304R/L	0,24-2,4	0,10-0,25		□	o	•		

DCMT

ÜRÜN GÖRSELİ	CB	ISO			KALİTELER					
				Vc	350 (100-600)	300 (100-500)	250 (100-400)	220 (90-350)	300 (100-500)	250 (100-400)
		UÇ KODU INSERT CODE	ap (mm)	f _n (mm/dev)	CN7610	CN7115	CN7120	CN7130	CP5115	CP1120
	CFC	DCMT 070204	0,20-1,6	0,10-0,16		□	•	o	□	•
		DCMT 11T304	0,20-1,6	0,10-0,16		□	•	o	□	•
		DCMT 11T308	0,22-2,0	0,12-0,20			•			•
	CFI	DCMT 070202	0,50-2,00	0,06-0,12		•	•		□	□
		DCMT 070204	0,50-2,00	0,08-0,22		•	•		□	□
		DCMT 070208	0,50-2,00	0,10-0,25		•	•		□	□
		DCMT 11T302	0,50-2,00	0,06-0,12		•	•		□	□
		DCMT 11T304	0,50-2,00	0,08-0,22		•	•		□	□
		DCMT 11T308	0,50-2,00	0,10-0,25		•	•			

• Stok ürün | Stock item

o Stok dışı ürün | Non stock item

□ Özel ürün | Special order

SERMET UÇLAR - CERMENT INSERTS

POZİTİF UÇLAR

TBGT

ÜRÜN GÖRSELİ	CB	ISO			KALİTELER					
				Vc	350 (100-600)	300 (100-500)	250 (100-400)	220 (90-350)	300 (100-500)	250 (100-400)
		UÇ KODU INSERT CODE	ap (mm)	fn (mm/dev)	CN7G10	CN7I15	CN7I20	CN7I30	CP5I15	CP1I20
	CL2	TBGT 060102L	0,20-1,0	0,05-0,18		•		□	•	
		TBGT 060104L	0,22-1,2	0,07-0,20		•		□	•	
		TBGH 060102L	0,10-1,5	0,08-0,15		•		□	•	
		TBGH 060104L	0,20-1,6	0,10-0,16		•		□	•	

TCGT

ÜRÜN GÖRSELİ	CB	ISO			KALİTELER					
				Vc	350 (100-600)	300 (100-500)	250 (100-400)	220 (90-350)	300 (100-500)	250 (100-400)
		UÇ KODU INSERT CODE	ap (mm)	fn (mm/dev)	CN7G10	CN7I15	CN7I20	CN7I30	CP5I15	CP1I20
	CL2	TCGT 110202L	0,20-1,0	0,05-0,18		•		□	•	
		TCGT 110204L	0,22-1,2	0,07-0,20		•		□	•	
		TCGT 16T302L	0,22-1,2	0,07-0,20		•			•	
		TCGT 16T304L	0,25-1,5	0,10-0,22		•			•	

TCMT

ÜRÜN GÖRSELİ	CB	ISO			KALİTELER					
				Vc	350 (100-600)	300 (100-500)	250 (100-400)	220 (90-350)	300 (100-500)	250 (100-400)
		UÇ KODU INSERT CODE	ap (mm)	fn (mm/dev)	CN7G10	CN7I15	CN7I20	CN7I30	CP5I15	CP1I20
	CPE	TCMT 090202	0,20-2,0	0,08-0,25	•	o	□			
		TCMT 090204	0,24-2,4	0,10-0,25	•	o	□			
		TCMT 110202	0,20-2,0	0,08-0,25	•	o	□			
		TCMT 110204	0,24-2,4	0,10-0,25	•	o	□			
		TCMT 110208	0,26-2,6	0,10-0,28	•	o	□			
		TCMT 110302	0,20-2,0	0,08-0,25	•					
		TCMT 110304	0,24-2,4	0,10-0,25	•					
		TCMT 110308	0,26-2,6	0,10-0,28	•					
		TCMT 16T304	0,24-2,4	0,10-0,25	•					
		TCMT 16T308	0,26-2,6	0,10-0,28	•					

• Stok ürün | Stock item

o Stok dışı ürün | Non stock item

□ Özel ürün | Special order

SERMET UÇLAR - CERMENT INSERTS

POZİTİF UÇLAR

ÜRÜN GÖRSELİ	CB	ISO			KALİTELER					
				Vc	350 (100-600)	300 (100-500)	250 (100-400)	220 (90-350)	300 (100-500)	250 (100-400)
		UÇ KODU INSERT CODE	ap (mm)	f _n (mm/dev)	CN7610	CN7115	CN7120	CN7130	CP5115	CPI120
	CFI	TCMT 090202	0,50-2,00	0,06-0,12		•	•		□	□
		TCMT 090204	0,50-2,00	0,08-0,22		•	•		□	□
		TCMT 110202	0,50-2,00	0,06-0,12		•	•		□	□
		TCMT 110204	0,50-2,00	0,08-0,22		•	•		□	□
		TCMT 110208	0,50-2,00	0,10-0,25		•	•		□	□
		TCMT 110302	0,50-2,00	0,06-0,12		•	•			
		TCMT 110304	0,50-2,00	0,08-0,22		•	•			
		TCMT 110308	0,50-2,00	0,10-0,25		•	•			
		TCMT 16T304	0,50-2,00	0,08-0,22		•	•			
		TCMT 16T308	0,50-2,00	0,10-0,25		•	•			
	CMT	TCMT 110204	0,50-2,5	0,12-0,20	□		o		•	•
		TCMT 16T304	0,50-2,5	0,12-0,20	□		o		•	•

TPGT

ÜRÜN GÖRSELİ	CB	ISO			KALİTELER					
				Vc	350 (100-600)	300 (100-500)	250 (100-400)	220 (90-350)	300 (100-500)	250 (100-400)
		UÇ KODU INSERT CODE	ap (mm)	f _n (mm/dev)	CN7610	CN7115	CN7120	CN7130	CP5115	CPI120
	CLF	TPGT 090202	0,30-1,2	0,10-0,20			□	•		
		TPGT 090204	0,30-1,2	0,10-0,20			□	•		
		TPGT 110302	0,30-1,2	0,10-0,20				•		
		TPGT 110304	0,30-1,2	0,10-0,20				•		
		TPGT 110308	0,50-1,2	0,10-0,20				•		

TPMT

ÜRÜN GÖRSELİ	CB	ISO			KALİTELER					
				Vc	350 (100-600)	300 (100-500)	250 (100-400)	220 (90-350)	300 (100-500)	250 (100-400)
		UÇ KODU INSERT CODE	ap (mm)	f _n (mm/dev)	CN7610	CN7115	CN7120	CN7130	CP5115	CPI120
	CAL	TPMT 110302	0,10-1,5	0,08-0,15		o	o	o	o	o
		TPMT 110304	0,20-1,6	0,10-0,16		□	•	o	□	•
		TPMT 110308	0,22-2,0	0,12-0,20		o	o	o	o	o

• Stok ürün | Stock item

o Stok dışı ürün | Non stock item

□ Özel ürün | Special order

SERMET UÇLAR - CERMENT INSERTS

POZİTİF UÇLAR

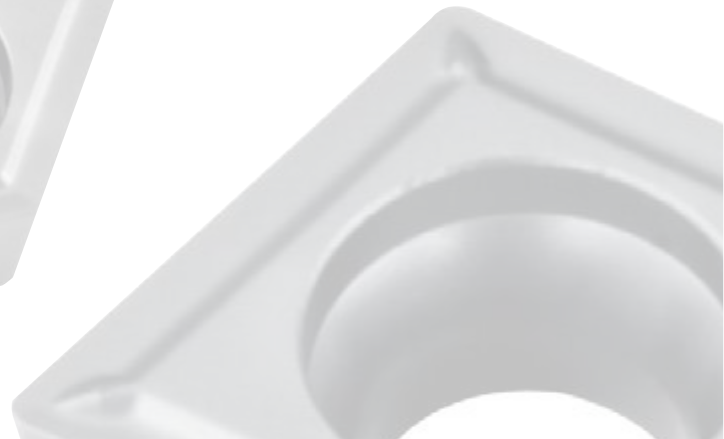
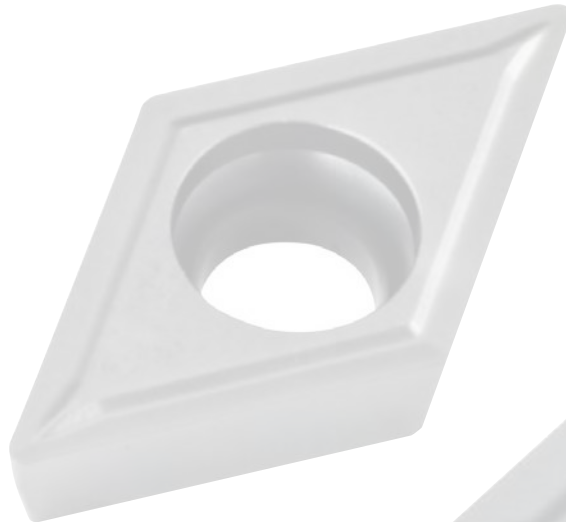
TPMT

ÜRÜN GÖRSELİ	CB	ISO			KALİTELER					
				Vc	350 (100-600)	300 (100-500)	250 (100-400)	220 (90-350)	300 (100-500)	250 (100-400)
		UÇ KODU INSERT CODE	ap (mm)	f _n (mm/dev)	CN7610	CN7115	CN7120	CN7130	CP5115	CP1120
	CE	TPMT 110302	0,50-2,00	0,06-0,12		•	•		□	□
		TPMT 110304	0,50-2,00	0,08-0,22		•	•			
		TPMT 110308	0,50-2,00	0,10-0,25		•	•			

• Stok ürün | Stock item

○ Stok dışı ürün | Non stock item

□ Özel ürün | Special order

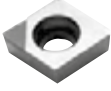
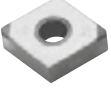
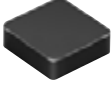
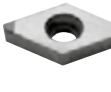
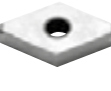
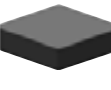


SERMET UÇLAR - CERMENT INSERTS

POZİTİF UÇLAR

CBN KESİCİ UÇLAR

Boyutlar (mm)							
Ölçü	d	t	d ₁	Ölçü	d	t	d ₁
06	6.35	2.38	2.8	11	9.525	3.97	4.4
07	6.35	2.38	2.8	12	12.7	4.76	5.16
09	9.525	3.97	4.4	16	9.525	4.76	3.81

ÜRÜN GÖRSELİ	ISO			K/S/H							
	Vc										
	UÇ KODU INSERT CODE	ap (mm)	f _n (mm/dev)	BN7405	BN7410	BN7415	BN7210	BP7405	BP7410	BS7404	BS7408
	CCGW 040101	0,01-0,35	0,02-0,20	•	•						
	CCGW 040102	0,01-0,35	0,02-0,20	•	•						
	CCGW 050202	0,01-0,35	0,02-0,20	•	•						
	CCGW 060202	0,01-0,35	0,02-0,20	•	•						
	CCGW 080202	0,01-0,35	0,02-0,20	•	•						
	CCGW 090302	0,01-0,35	0,02-0,20	•	•						
	CCGW 09T302	0,01-0,35	0,02-0,20	•	•						
	CCGW 120402	0,01-0,35	0,02-0,20	•	•						
	CPGW 080202	0,01-0,35	0,02-0,20	•	•						
	CPGW 090302	0,01-0,35	0,02-0,20	•	•						
	CNGA 090402	0,01-0,35	0,02-0,20	•	•					•	•
	CNGA 120402	0,01-0,35	0,02-0,20	•	•					•	•
	CNGA 160604	0,08-0,60	0,05-0,25	•	•					•	•
	CNGA 190604	0,08-0,60	0,05-0,25	•	•					•	•
	CNGN 120408	0,10-4,0	0,10-0,50							•	•
	DCGW 070202	0,01-0,35	0,02-0,20	•	•						
	DCGW 11T302	0,01-0,35	0,02-0,20	•	•						
	DCGW 150404	0,08-0,60	0,05-0,25	•	•						
	DPGW 11T302	0,01-0,35	0,02-0,20	•	•						
	DNGA 110404	0,08-0,60	0,05-0,25	•	•		•				
	DNGA 150404	0,08-0,60	0,05-0,25	•	•		•			•	•
	DNGA 150604	0,08-0,60	0,05-0,25	•	•		•			•	•
	DNGA 190604	0,08-0,60	0,05-0,25	•	•		•			•	•
	DNGN 150408	0,10-4,0	0,10-0,50							•	•
	RCGW 080300	0,20-0,80	0,02-0,20							•	•
	RCGW 100300	0,20-0,80	0,02-0,20							•	•
	RCGW 120400	0,20-0,80	0,02-0,20							•	•
	RCGW 160600	0,20-0,80	0,02-0,20							•	•
	RCGW200600	0,20-0,80	0,02-0,20							•	•
	RPGW 080300	0,20-0,80	0,02-0,20							•	•
	RPGW 100300	0,20-0,80	0,02-0,20							•	•
	RPGW 120400	0,20-0,80	0,02-0,20							•	•
	RPGW 160600	0,20-0,80	0,02-0,20							•	•
	RPGW 200600	0,20-0,80	0,02-0,20							•	•

• Stok ürün | Stock item

○ Stok dışı ürün | Non stock item

□ Özel ürün | Special order

SERMET UÇLAR - CERMENT INSERTS

POZİTİF UÇLAR

Boyutlar (mm)							
Ölçü	d	t	d ₁	Ölçü	d	t	d ₁
06	6.35	2.38	2.8	11	9.525	3.97	4.4
07	6.35	2.38	2.8	12	12.7	4.76	5.16
09	9.525	3.97	4.4	16	9.525	4.76	3.81

CBN KESİCİ UÇLAR

ÜRÜN GÖRSELİ	UÇ KODU INSERT CODE	ISO		K/S/H							
		ap (mm)	f _n (mm/dev)	Vc							
				BN7405	BN7410	BN7415	BN7210	BP7405	BP7410	BS7404	BS7408
	SCGW 060202	0,01-0,35	0,02-0,20	•	•						
	SCGW 080302	0,01-0,35	0,02-0,20	•	•						
	SCGW 090302	0,01-0,35	0,02-0,20	•	•						
	SCGW 09T304	0,50-3,00	0,05-0,25	•	•						
	SCGW 120404	0,08-0,60	0,05-0,25	•	•						
	SNGA 090304	0,08-0,60	0,05-0,25	•	•					•	•
	SNGA 120404	0,08-0,60	0,05-0,25	•	•					•	•
	SNGA 150404	0,08-0,60	0,05-0,25	•	•					•	•
	SNGA 150604	0,08-0,60	0,05-0,25	•	•					•	•
	SNGA 190604	0,08-0,60	0,05-0,25	•	•					•	•
	SCGN 060302	0,01-0,35	0,02-0,20	•	•						
	SCGN 120302	0,01-0,35	0,02-0,20	•	•						
	SNGN 090302	0,01-0,35	0,02-0,20	•	•					•	•
	SNGN 150404	0,08-0,60	0,05-0,25	•	•					•	•
	SPGN 050202	0,01-0,35	0,02-0,20	•	•					•	•
	SPGN 060302	0,01-0,35	0,02-0,20	•	•					•	•
	SPGN 070202	0,01-0,35	0,02-0,20	•	•					•	•
	SPGN 090302	0,01-0,35	0,02-0,20	•	•					•	•
	SPGN 120302	0,01-0,35	0,02-0,20	•	•					•	•
	SPGW 080202	0,01-0,35	0,02-0,20	•	•					•	•
	SPGW 090302	0,01-0,35	0,02-0,20	•	•					•	•
	SPGW 09T304	0,08-0,60	0,05-0,25	•	•					•	•
	SPGW 120404	0,08-0,60	0,05-0,25	•	•					•	•
	TCGN 060201	0,01-0,35	0,02-0,20	•	•						
	TCGN 090202	0,01-0,35	0,02-0,20	•	•						
	TCGN 160302	0,01-0,35	0,02-0,20	•	•						
	TBGW 060201	0,01-0,35	0,02-0,20	•	•						
	TCGW 080202	0,01-0,35	0,02-0,20	•	•						
	TCGW 090202	0,01-0,35	0,02-0,20	•	•						
	TCGW 110302	0,01-0,35	0,02-0,20	•	•						
	TCGW 130302	0,01-0,35	0,02-0,20	•	•						
	TCGW 160302	0,01-0,35	0,02-0,20	•	•						
	TCGW 160402	0,01-0,35	0,02-0,20	•	•						
	TCGW 16T302	0,01-0,35	0,02-0,20	•	•						
	TCGW 110202	0,01-0,35	0,02-0,20	•	•						
	TNGA 110302	0,01-0,35	0,02-0,20	•	•						
	TNGA 160402	0,01-0,35	0,02-0,20	•	•						
	TNGA 220402	0,01-0,35	0,02-0,20	•	•						
	TNGA 270602	0,01-0,35	0,02-0,20	•	•						
	TPGN 060201	0,01-0,35	0,02-0,20	•	•						
	TPGN 090202	0,01-0,35	0,02-0,20	•	•						
	TPGN 160302	0,01-0,35	0,02-0,20	•	•						

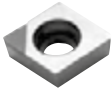
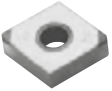
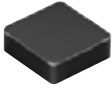
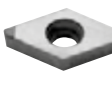
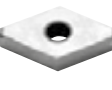
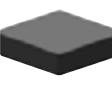
• Stok ürün | Stock item

○ Stok dışı ürün | Non stock item

□ Özel ürün | Special order

CBN KESİCİ UÇLAR

Boyutlar (mm)							
Ölçü	d	t	d ₁	Ölçü	d	t	d ₁
06	6.35	2.38	2.8	11	9.525	3.97	4.4
07	6.35	2.38	2.8	12	12.7	4.76	5.16
09	9.525	3.97	4.4	16	9.525	4.76	3.81

ÜRÜN GÖRSELİ	UÇ KODU INSERT CODE	ISO		K/S/H							
		ap (mm)	Vc fn (mm/dev)	BN7405	BN7410	BN7415	BN7210	BP7405	BP7410	BS7404	BS7408
	CCGW 040101	0,01-0,35	0,02-0,20	•	•						
	CCGW 040102	0,01-0,35	0,02-0,20	•	•						
	CCGW 050202	0,01-0,35	0,02-0,20	•	•						
	CCGW 060202	0,01-0,35	0,02-0,20	•	•						
	CCGW 080202	0,01-0,35	0,02-0,20	•	•						
	CCGW 090302	0,01-0,35	0,02-0,20	•	•						
	CCGW 09T302	0,01-0,35	0,02-0,20	•	•						
	CCGW 120402	0,01-0,35	0,02-0,20	•	•						
	CPGW 080202	0,01-0,35	0,02-0,20	•	•						
	CPGW 090302	0,01-0,35	0,02-0,20	•	•						
	CNGA 090402	0,01-0,35	0,02-0,20	•	•					•	•
	CNGA 120402	0,01-0,35	0,02-0,20	•	•					•	•
	CNGA 160604	0,08-0,60	0,05-0,25	•	•					•	•
	CNGA 190604	0,08-0,60	0,05-0,25	•	•					•	•
	CNGN 120408	0,10-4,0	0,10-0,50							•	•
	DCGW 070202	0,01-0,35	0,02-0,20	•	•						
	DCGW 11T302	0,01-0,35	0,02-0,20	•	•						
	DCGW 150404	0,08-0,60	0,05-0,25	•	•						
	DPGW 11T302	0,01-0,35	0,02-0,20	•	•						
	DNGA 110404	0,08-0,60	0,05-0,25	•	•		•				
	DNGA 150404	0,08-0,60	0,05-0,25	•	•		•			•	•
	DNGA 150604	0,08-0,60	0,05-0,25	•	•		•			•	•
	DNGA 190604	0,08-0,60	0,05-0,25	•	•		•			•	•
	DNGN 150408	0,10-4,0	0,10-0,50							•	•
	RCGW 080300	0,20-0,80	0,02-0,20							•	•
	RCGW 100300	0,20-0,80	0,02-0,20							•	•
	RCGW 120400	0,20-0,80	0,02-0,20							•	•
	RCGW 160600	0,20-0,80	0,02-0,20							•	•
	RCGW200600	0,20-0,80	0,02-0,20							•	•
	RPGW 080300	0,20-0,80	0,02-0,20							•	•
	RPGW 100300	0,20-0,80	0,02-0,20							•	•
	RPGW 120400	0,20-0,80	0,02-0,20							•	•
	RPGW 160600	0,20-0,80	0,02-0,20							•	•
	RPGW 200600	0,20-0,80	0,02-0,20							•	•

• Stok ürün | Stock item

○ Stok dışı ürün | Non stock item

□ Özel ürün | Special order

CBN KESİCİ UÇLAR

Boyutlar (mm)							
Ölçü	d	t	d ₁	Ölçü	d	t	d ₁
06	6.35	2.38	2.8	11	9.525	3.97	4.4
07	6.35	2.38	2.8	12	12.7	4.76	5.16
09	9.525	3.97	4.4	16	9.525	4.76	3.81

ÜRÜN GÖRSELİ	ISO			K/S/H							
	UÇ KODU INSERT CODE	ap (mm)	Vc f _n (mm/dev)								
				BN7405	BN7410	BN7415	BN7210	BP7405	BP7410	BS7404	BS7408
	SCGW 060202	0,01-0,35	0,02-0,20	•	•						
	SCGW 080302	0,01-0,35	0,02-0,20	•	•						
	SCGW 090302	0,01-0,35	0,02-0,20	•	•						
	SCGW 09T304	0,50-3,00	0,05-0,25	•	•						
	SCGW 120404	0,08-0,60	0,05-0,25	•	•						
	SNGA 090304	0,08-0,60	0,05-0,25	•	•					•	•
	SNGA 120404	0,08-0,60	0,05-0,25	•	•					•	•
	SNGA 150404	0,08-0,60	0,05-0,25	•	•					•	•
	SNGA 150604	0,08-0,60	0,05-0,25	•	•					•	•
	SNGA 190604	0,08-0,60	0,05-0,25	•	•					•	•
	SCGN 060302	0,01-0,35	0,02-0,20	•	•						
	SCGN 120302	0,01-0,35	0,02-0,20	•	•						
	SNGN 090302	0,01-0,35	0,02-0,20	•	•					•	•
	SNGN 150404	0,08-0,60	0,05-0,25	•	•					•	•
	SPGN 050202	0,01-0,35	0,02-0,20	•	•					•	•
	SPGN 060302	0,01-0,35	0,02-0,20	•	•					•	•
	SPGN 070202	0,01-0,35	0,02-0,20	•	•					•	•
	SPGN 090302	0,01-0,35	0,02-0,20	•	•					•	•
	SPGN 120302	0,01-0,35	0,02-0,20	•	•					•	•
	SPGW 080202	0,01-0,35	0,02-0,20	•	•					•	•
	SPGW 090302	0,01-0,35	0,02-0,20	•	•					•	•
	SPGW 09T304	0,08-0,60	0,05-0,25	•	•					•	•
	SPGW 120404	0,08-0,60	0,05-0,25	•	•					•	•
	TCGN 060201	0,01-0,35	0,02-0,20	•	•						
	TCGN 090202	0,01-0,35	0,02-0,20	•	•						
	TCGN 160302	0,01-0,35	0,02-0,20	•	•						
	TBGW 060201	0,01-0,35	0,02-0,20	•	•						
	TCGW 080202	0,01-0,35	0,02-0,20	•	•						
	TCGW 090202	0,01-0,35	0,02-0,20	•	•						
	TCGW 110302	0,01-0,35	0,02-0,20	•	•						
	TCGW 130302	0,01-0,35	0,02-0,20	•	•						
	TCGW 160302	0,01-0,35	0,02-0,20	•	•						
	TCGW 160402	0,01-0,35	0,02-0,20	•	•						
	TCGW 16T302	0,01-0,35	0,02-0,20	•	•						
	TCGW 110202	0,01-0,35	0,02-0,20	•	•						
	TNGA 110302	0,01-0,35	0,02-0,20	•	•						
	TNGA 160402	0,01-0,35	0,02-0,20	•	•						
	TNGA 220402	0,01-0,35	0,02-0,20	•	•						
	TNGA 270602	0,01-0,35	0,02-0,20	•	•						
	TPGN 060201	0,01-0,35	0,02-0,20	•	•						
	TPGN 090202	0,01-0,35	0,02-0,20	•	•						
	TPGN 160302	0,01-0,35	0,02-0,20	•	•						

• Stok ürün | Stock item

○ Stok dışı ürün | Non stock item

□ Özel ürün | Special order

Boyutlar (mm)							
Ölçü	d	t	d ₁	Ölçü	d	t	d ₁
06	6.35	2.38	2.8	11	9.525	3.97	4.4
07	6.35	2.38	2.8	12	12.7	4.76	5.16
09	9.525	3.97	4.4	16	9.525	4.76	3.81

CBN KESİCİ UÇLAR

ÜRÜN GÖRSELİ		ISO		K/S/H							
			Vc								
	UÇ KODU INSERT CODE	ap (mm)	fn (mm/dev)	BN7405	BN7410	BN7415	BN7210	BP7405	BP7410	BS7404	BS7408
	TPGW 060201	0,01-0,35	0,02-0,20	•	•						
	TPGW 080202	0,01-0,35	0,02-0,20	•	•						
	TPGW 090202	0,01-0,35	0,02-0,20	•	•						
	TPGW 110302	0,01-0,35	0,02-0,20	•	•						
	TPGW 130302	0,01-0,35	0,02-0,20	•	•						
	TPGW 160302	0,01-0,35	0,02-0,20	•	•						
	TPGW 160402	0,01-0,35	0,02-0,20	•	•						
	TPGW 16T302	0,01-0,35	0,02-0,20	•	•						
	VBGW 160404	0,08-0,60	0,05-0,25	•	•						
	VCGW 160404	0,08-0,60	0,05-0,25	•	•						
	VCGW 220404	0,08-0,60	0,05-0,25	•	•						
	VCGW 220504	0,08-0,60	0,05-0,25	•	•						
	VCGW 080202	0,01-0,35	0,02-0,20	•	•						
	VCGW 110202	0,01-0,35	0,02-0,20	•	•						
	VCGW 110302	0,01-0,35	0,02-0,20	•	•						
	VPGW 220404	0,08-0,60	0,05-0,25	•	•						
	VPGW 220504	0,08-0,60	0,05-0,25	•	•						
	VNGA 160404	0,08-0,60	0,05-0,25	•	•						
	VNGA 220404	0,08-0,60	0,05-0,25	•	•						
	WBGW 010101	0,01-0,35	0,02-0,20	•	•						
	WBGW 020202	0,01-0,35	0,02-0,20	•	•						
	WCGW 030202	0,01-0,35	0,02-0,20	•	•						
	WCGW 040202	0,01-0,35	0,02-0,20	•	•						
	WCGW 050302	0,01-0,35	0,02-0,20	•	•						
	WCGW 06T302	0,01-0,35	0,02-0,20	•	•						
	WCGW 100504	0,08-0,60	0,05-0,25	•	•						
	WNGA 060402	0,01-0,35	0,02-0,20	•	•						
	WNGA 080404	0,08-0,60	0,05-0,25	•	•						
	WNGA 100604	0,08-0,60	0,05-0,25	•	•						

• Stok ürün | Stock item

○ Stok dışı ürün | Non stock item

□ Özel ürün | Special order

CBN KESİCİ UÇLAR

CBN INSERTS

Boyutlar (mm)			
Ölçü	d	t	d ₁
11	6.35	2.38	2.8
16	9.525	3.77	4.4

CBN KESİCİ UÇLAR

ÜRÜN GÖRSELİ	ISO			K/S/H							
				Vc							
	UÇ KODU INSERT CODE	ap (mm)	f _n (mm/dev)	BN7405	BN7410	BN7415	BN7210	BP7405	BP7410	BS7404	BS7408
	APGW 1135L	0,01-0,35	0,02-0,20	•	•						
	APGW 1135R	0,01-0,35	0,02-0,20	•	•						
	APGW 160402	0,01-0,35	0,02-0,20	•	•						
	R590110504H-NL	0,01-0,35	0,02-0,20	•	•						

Boyutlar (mm)			
Ölçü	d	t	d ₁
11	6.35	2.38	2.8
16	9.525	3.77	4.4

CBN KESİCİ UÇLAR

ÜRÜN GÖRSELİ	ISO			K/S/H							
				Vc							
	UÇ KODU INSERT CODE	ap (mm)	f _n (mm/dev)	BN7405	BN7410	BN7415	BN7210	BP7405	BP7410	BS7404	BS7408
	MGMN 150	0,01-0,35	0,02-0,20	•	•						
	MGMN 200	0,01-0,35	0,02-0,20	•	•						
	MGMN 250	0,01-0,35	0,02-0,20	•	•						
	MGMN 300	0,01-0,35	0,02-0,20	•	•						
	MGMN 400	0,01-0,35	0,02-0,20	•	•						
	MGMN 500	0,01-0,35	0,02-0,20	•	•						
	MGMN 600	0,01-0,35	0,02-0,20	•	•						
	MRMN 200	0,01-0,35	0,02-0,20	•	•						
	MRMN 300	0,01-0,35	0,02-0,20	•	•						
	MRMN 400	0,01-0,35	0,02-0,20	•	•						
	MRMN 500	0,08-0,60	0,05-0,25	•	•						
	MRMN 600	0,08-0,60	0,05-0,25	•	•						

• Stok ürün | Stock item

○ Stok dışı ürün | Non stock item

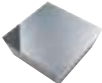
□ Özel ürün | Special order

PCD KESİCİ UÇLAR

PCD INSERTS

Boyutlar (mm)							
Ölçü	d	t	d ₁	Ölçü	d	t	d ₁
06	6.35	2.38	2.8	11	9.525	3.97	4.4
07	6.35	2.38	2.8	12	12.7	4.76	5.16
08	7.94	2.38	3.4	16	12.7	4.76	5.16
09	9.525	3.97	4.4	16	9.525	4.76	3.81

PCD KESİCİ UÇLAR

ÜRÜN GÖRSELİ	UÇ KODU INSERT CODE	ISO		N		
		ap (mm)	Vc f _n (mm/dev)	Vc		
				1300(1000-1600)	1100(800-1400)	1100(800-1400)
	CCGT/W 040101	0,01-1,20	0,05-0,50	•	•	•
	CCGT/W 040102	0,01-1,20	0,05-0,50	•	•	•
	CCGT/W 050202	0,01-1,20	0,05-0,50	•	•	•
	CCGT/W 060202	0,01-1,20	0,05-0,50	•	•	•
	CCGT/W 080202	0,01-1,20	0,05-0,50	•	•	•
	CCGT/W 090302	0,01-1,20	0,05-0,50	•	•	•
	CCGT/W 09T302	0,01-1,20	0,05-0,50	•	•	•
	CCGT/W 120402	0,01-1,20	0,05-0,50	•	•	•
	CPGW 080202	0,01-1,20	0,05-0,50	•	•	•
	CPGW 090302	0,01-1,20	0,05-0,50	•	•	•
	DCGT/W 070202	0,01-1,20	0,05-0,50	•	•	•
	DCGT/W 11T302	0,01-1,20	0,05-0,50	•	•	•
	DCGT/W 150404	0,05-2,50	0,10-0,80	•	•	•
	DPGW 11T302	0,01-1,20	0,05-0,50	•	•	•
	RCGT/W 080300	0,05-2,50	0,10-0,80	•	•	•
	RCGT/W 100300	0,05-2,50	0,10-0,80	•	•	•
	RCGT/W 120400	0,05-2,50	0,10-0,80	•	•	•
	RCGT/W 160600	0,05-2,50	0,10-0,80	•	•	•
	RCGT/W 200600	0,05-2,50	0,10-0,80	•	•	•
	RPGW 080300	0,05-2,50	0,10-0,80	•	•	•
	RPGW 100300	0,05-2,50	0,10-0,80	•	•	•
	RPGW 120400	0,05-2,50	0,10-0,80	•	•	•
	RPGW 160600	0,05-2,50	0,10-0,80	•	•	•
	RPGW 200600	0,05-2,50	0,10-0,80	•	•	•
	SCGT/W 060202	0,01-1,20	0,05-0,50	•	•	•
	SCGT/W 080302	0,01-1,20	0,05-0,50	•	•	•
	SCGT/W 090302	0,01-1,20	0,05-0,50	•	•	•
	SCGT/W 09T304	0,05-2,50	0,10-0,80	•	•	•
	SCGT/W 120404	0,05-2,50	0,10-0,80	•	•	•
	SPGW 090302	0,01-1,20	0,05-0,50	•	•	•
	SPGW 09T304	0,05-2,50	0,10-0,80	•	•	•
	SPGW 120404	0,05-2,50	0,10-0,80	•	•	•
	SPGW 080202	0,01-1,20	0,05-0,50	•	•	•
	SCGN 060302	0,01-1,20	0,05-0,50	•	•	•
	SCGN 120302	0,01-1,20	0,05-0,50	•	•	•
	SPGN 050202	0,01-1,20	0,05-0,50	•	•	•
	SPGN 070202	0,01-1,20	0,05-0,50	•	•	•
	SPGN 090302	0,01-1,20	0,05-0,50	•	•	•
	SPGN 060302	0,01-1,20	0,05-0,50	•	•	•
	SPGN 120302	0,01-1,20	0,05-0,50	•	•	•
	SPGN 120302	0,01-1,20	0,05-0,50	•	•	•

• Stok ürün | Stock item

○ Stok dışı ürün | Non stock item

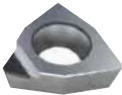
□ Özel ürün | Special order

PCD KESİCİ UÇLAR

PCD INSERTS

Boyutlar (mm)							
Ölçü	d	t	d ₁	Ölçü	d	t	d ₁
06	6.35	2.38	2.8	11	9.525	3.97	4.4
07	6.35	2.38	2.8	12	12.7	4.76	5.16
08	7.94	2.38	3.4	16	12.7	4.76	5.16
09	9.525	3.97	4.4	16	9.525	4.76	3.81

PCD KESİCİ UÇLAR

ÜRÜN GÖRSELİ	ISO			N		
	UÇ KODU INSERT CODE	ap (mm)	f _n (mm/dev)	Vc		
				1300(1000-1600)	1100(800-1400)	1100(800-1400)
	TBGW 060201	0,01-1,20	0,05-0,50	•	•	•
	TCGT/W 080202	0,01-1,20	0,05-0,50	•	•	•
	TCGT/W 090202	0,01-1,20	0,05-0,50	•	•	•
	TCGT/W 110302	0,01-1,20	0,05-0,50	•	•	•
	TCGT/W 130302	0,01-1,20	0,05-0,50	•	•	•
	TCGT/W 160302	0,01-1,20	0,05-0,50	•	•	•
	TCGT/W 160402	0,01-1,20	0,05-0,50	•	•	•
	TCGT/W 16T302	0,01-1,20	0,05-0,50	•	•	•
	TCGT/W 110202	0,01-1,20	0,05-0,50	•	•	•
	TPGW 060201	0,01-1,20	0,05-0,50	•	•	•
	TPGW 080202	0,01-1,20	0,05-0,50	•	•	•
	TPGW 090202	0,01-1,20	0,05-0,50	•	•	•
	TPGW 110302	0,01-1,20	0,05-0,50	•	•	•
	TPGW 130302	0,01-1,20	0,05-0,50	•	•	•
	TPGW 160302	0,01-1,20	0,05-0,50	•	•	•
	TPGW 160402	0,01-1,20	0,05-0,50	•	•	•
	TPGW 16T302	0,01-1,20	0,05-0,50	•	•	•
	TCGN 060201	0,01-1,20	0,05-0,50	•	•	•
	TCGN 090202	0,01-1,20	0,05-0,50	•	•	•
	TCGN 160302	0,01-1,20	0,05-0,50	•	•	•
	TPGN 060201	0,01-1,20	0,05-0,50	•	•	•
	TPGN 090202	0,01-1,20	0,05-0,50	•	•	•
	TPGN 160302	0,01-1,20	0,05-0,50	•	•	•
	VBCW 160404	0,01-0,35	0,10-0,80	•	•	•
	VCCT/W 160404	0,05-2,50	0,10-0,80	•	•	•
	VCCT/W 220404	0,05-2,50	0,10-0,80	•	•	•
	VCCT/W 220504	0,05-2,50	0,10-0,80	•	•	•
	VCCT/W 080202	0,01-1,20	0,05-0,50	•	•	•
	VCCT/W 110202	0,01-1,20	0,05-0,50	•	•	•
	VCCT/W 110302	0,01-1,20	0,05-0,50	•	•	•
	VPGW 220404	0,05-2,50	0,10-0,80	•	•	•
	VNGA 160404	0,05-2,50	0,10-0,80	•	•	•
	VNGA 220404	0,05-2,50	0,10-0,80	•	•	•
	WBGW010101(IC3.97)	0,01-1,20	0,05-0,50	•	•	•
	WBGW020202(IC4.76)	0,01-1,20	0,05-0,50	•	•	•
	WCGW030202(IC5.56)	0,01-1,20	0,05-0,50	•	•	•
	WCGW040202(IC6.35)	0,01-1,20	0,05-0,50	•	•	•
	WCGW050302(IC7.94)	0,01-1,20	0,05-0,50	•	•	•
	WCGW06T302(IC9.52)	0,01-1,20	0,05-0,50	•	•	•
	WCGW 100504	0,05-2,50	0,10-0,80	•	•	•

• Stok ürün | Stock item

○ Stok dışı ürün | Non stock item

□ Özel ürün | Special order

PCD KESİCİ UÇLAR

PCD INSERTS

Boyutlar (mm)			
Ölçü	d	t	d _i
11	6.35	2.38	2.8
16	9.525	3.77	4.4

PCD KESİCİ UÇLAR

ÜRÜN GÖRSELİ	ISO			N		
	UÇ KODU INSERT CODE	ap (mm)	Vc f _n (mm/dev)	Vc		
				1300(1000-1600)	1100(800-1400)	1100(800-1400)
	APGW 1135L	0,01-1,20	0,05-0,50	•	•	
	APGW 1135R	0,01-1,20	0,05-0,50	•	•	
	APGW 160402	0,01-1,20	0,05-0,50	•	•	
	R590110504H-NL	0,01-1,20	0,05-0,50	•	•	

Boyutlar (mm)			
Ölçü	d	t	d _i
11	6.35	2.38	2.8
16	9.525	3.77	4.4

PCD KESİCİ UÇLAR

ÜRÜN GÖRSELİ	ISO			N		
	UÇ KODU INSERT CODE	ap (mm)	Vc f _n (mm/dev)	Vc		
				1300(1000-1600)	1100(800-1400)	1100(800-1400)
	MGMN 150	0,01-1,20	0,05-0,50	•	•	
	MGMN 200	0,01-1,20	0,05-0,50	•	•	
	MGMN 250	0,01-1,20	0,05-0,50	•	•	
	MGMN 300	0,01-1,20	0,05-0,50	•	•	
	MGMN 400	0,01-1,20	0,05-0,50	•	•	
	MGMN 500	0,01-1,20	0,05-0,50	•	•	
	MGMN 600	0,01-1,20	0,05-0,50	•	•	
	MRMN 200	0,01-1,20	0,05-0,50	•	•	
	MRMN 300	0,01-1,20	0,05-0,50	•	•	
	MRMN 400	0,01-1,20	0,05-0,50	•	•	
	MRMN 500	0,05-2,50	0,10-0,80	•	•	
	MRMN 600	0,05-2,50	0,10-0,80	•	•	

• Stok ürün | Stock item

○ Stok dışı ürün | Non stock item

□ Özel ürün | Special order



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