

KORLOY

KORLOY KESİCİ TAKIMLAR KATALOĞU

KESİCİ TAKIMLAR

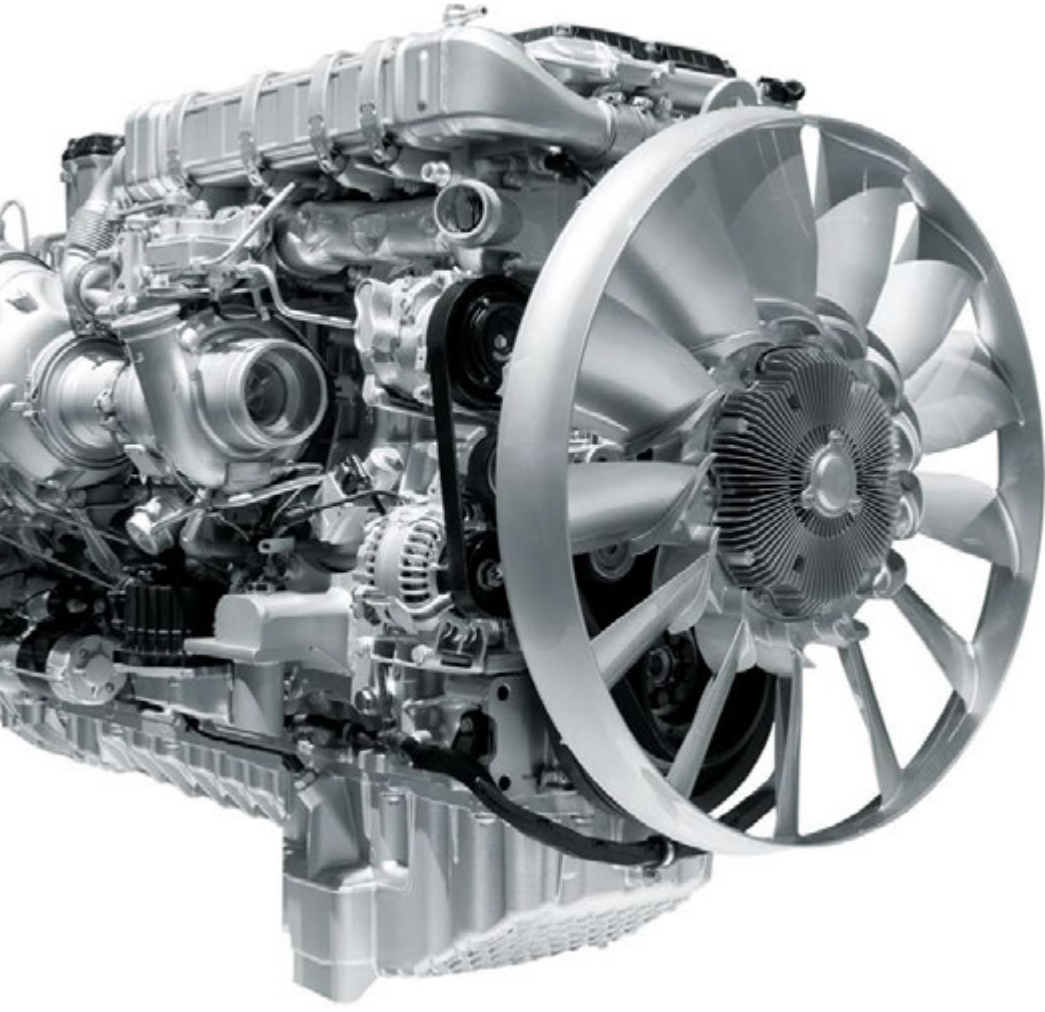


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KORLOY



Çeşitli Yüksek Performanslı Takımlar
KORLOY KESİCİ TAKIMLAR





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Kaliteler/Talaş Kırıcılar

Korloy'un yeni kaliteleri, her uygulama için en uygun alt tabaka ile tasarlanmıştır; Yüksek sıcaklık, yüksek sertlik ve oksidasyon direnci için PVD kaplamalı veya yüksek sıcaklık ve aşınma direnci için CVD kaplıdır. Buna ek olarak, iyileştirilmiş kaplama sonrası işlem, en üst düzeyde kalite ve üretkenlik sağlamak için üstün yüzey finişleri sağlar.

KORLOY Kalitelerin Seçimi

CVD Kaplamalı Kaliteler

PVD Kaplamalı Kaliteler

Sermet Kaliteler

Kaplamasız Karbür Kaliteler

cBN Kaliteler

PCD Kaliteler

Talaş Kırıcılar

Korloy Kalitelerinin Seçimi

► Tornalama

Malzeme	P	Çelik					M	Paslanmaz Çelik				K	Döküm				N	Demir Dışı				S	HRSA				H	Sertleştirilmiş			
ISO	P01	P10	P20	P30	P40	P50	M10	M20	M30	M40	K01	K10	K20	K30	N01	N10	N20	N30	S01	S10	S20	S30	H01	H10	H20	H30					
Kaplama Karbür																															
Sermet																															
cBN/PCD																															
Kaplama Karbür																															

► Frezeleme

Malzeme	P	Çelik					M	Paslanmaz Çelik				K	Döküm				N	Demir Dışı			S	HRSA			H	Sertleştirilmiş					
ISO	P01	P10	P20	P30	P40	P50	M10	M20	M30	M40	K01	K10	K20	K30	K40	N01	N10	N20	S10	S20	S30	H01	H10	H20	H30						
Kaplama Karbür				NC5330						NC5330			PC8110																		
				PC3500						PC5300			PC6510				ND2000				PC5300										
				PC3600													PD2000					PC5400									
				NC5340						PC9530			NC5330										PC2005								
				NCM325						NC5340			PC5300										PC2505								
				PC5300						NCM325			NC5340											PC2010							
				NC5350						NC5350			PC5400										PC2510								
				NCM335						NCM335													PC2015								
				PC5400						PC5400													PC210F								
Sermet				CN2000																											
				CN30																											
cBN/PCD																				DP150										KB350	
Kaplama Karbür				ST20E						U2			H01						H01												
				A30									H05						H05												
													G10E																		

Korloy Kalitelerinin Seçimi

► Parmak Freze

Malzeme	kalite	ISO	Uygulama Aralığı
P Çelik	PC303S <i>New</i>	P01	
	PC310U <i>New</i>	P10	PC303S <i>New</i> PC203F
	PC315F <i>New</i>	P20	PC310U <i>New</i>
	PC320 <i>New</i>	P30	PC315E <i>New</i> PC320 <i>New</i> PC215F
M Paslanmaz Çelik	PC303S <i>New</i>	P40	
	PC310U <i>New</i>	M01	
	PC320S <i>New</i>	M10	PC303S <i>New</i> PC203F PC310U <i>New</i> PC320S <i>New</i> PC315F <i>New</i> PC320 <i>New</i> PC215F
	PC315E <i>New</i>	M20	
K Döküm	PC303S <i>New</i>	M30	
	PC310U <i>New</i>	K01	
	PC315F <i>New</i>	K10	PC303S <i>New</i> PC203F PC310U <i>New</i>
	PC320 <i>New</i>	K20	PC315E <i>New</i> PC320 <i>New</i> PC215F PC220 FA2
N Demir dışı		K30	
		K40	
	ND3000	N01	
	PD3000	N05	ND3000
S HRSA	H01	N10	PD3000 H01 H05S
	H05S	N20	
	PC210C	N30	PC210C
	PC210	S10	
H Yüksek Sertlikli Çelik	PC320S <i>New</i>	S20	PC210 PC320S <i>New</i> PC315E <i>New</i> PC320 <i>New</i> PC215F PC220 FA2
	PC315E <i>New</i>	S30	
	PC303S <i>New</i>	H01	
	PC203F	H10	PC303S <i>New</i> PC203F PC310U <i>New</i>
	PC310U <i>New</i>	H20	

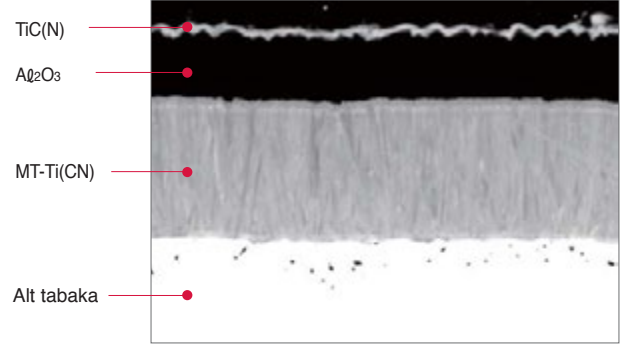
► Delik Delme

Malzeme	ISO	Uygulama Aralığı
P Çelik	P01	
	P10	
	P20	PC215G <i>New</i> PC315G <i>New</i> PC325U <i>New</i> PC230F
	P30	
M Paslanmaz Çelik	M01	
	M10	
	M20	PC215G <i>New</i> PC315G <i>New</i> PC205F PC325U <i>New</i>
	M30	
K Döküm	K01	
	K10	
	K20	PC215G <i>New</i> PC315G <i>New</i> PC205F PC325U <i>New</i>
	K30	
N Demir dışı	N01	
	N10	FG2
	N20	
	N30	

CVD Kaplamalı Kaliteler

Özellikler

- Yeni kaplama teknolojisinin ürünü olan özel kristal yapı üstün tokluk sağlar.
- Güçlü yapışma kuvvetine sahip çok tabakalı kaplama üstün aşınma direnci sağlar.



CVD kaplamanın yandan görüntüsü

Kalite Seçim Rehberi

► Tornalama

Malzeme	İşleme türleri	Önerilen kalite	Önerilen kesme hızı (m/dk)	ISO	Uygulama Aralığı
P	sürekli kesim	NC3010	295(170~420)	P05	NC3010
		NC3215 <i>New</i>	295(170~420)	P10	NC3215 <i>New</i>
	darbeli kesim	NC3225 <i>New</i>	260(150~370)	P15	NC3225 <i>New</i>
		NC3120	260(120~370)	P20	NC3120
		NC3030	205(120~290)	P25	NC3030
		NC5330	205(120~290)	P30	NC5330
		NC500H	205(120~290)	P35	NC500H
				P40	
M	sürekli kesim	NC9115 <i>New</i>	240(220~260)	M10	NC9115 <i>New</i>
		NC9125 <i>New</i>	210(190~230)	M20	NC9125 <i>New</i>
	darbeli kesim	NC9135 <i>New</i>	180(160~200)	M30	NC9135 <i>New</i>
				M40	
K	sürekli kesim	NC6205	315(180~450)	K01	NC6205
		NC6210	250(130~370)	K10	NC6210
	darbeli kesim	NC6215 <i>New</i>	220(130~310)	K20	NC6215 <i>New</i>
		NC5330	190(110~270)	K30	NC5330
S	sürekli kesim	NC5330	40(20~60)	S10	
	darbeli kesim			S20	NC5330

► Frezeleme

Malzeme	İşleme türleri	Önerilen kalite	Önerilen kesme hızı (m/dk)	ISO	Uygulama Aralığı
P	sürekli kesim	NC5330	205(120~290)	P20	NC5330
				P25	
	sürekli kesim	NC5340 <i>New</i>	230(130~330)	P30	NC5340 <i>New</i>
		NCM325		P35	NCM325
	darbeli kesim	NC5350 <i>New</i>	205(120~290)	P40	NC5350 <i>New</i>
		NCM335		P45	NCM335
M	sürekli kesim	NC5330	140(80~200)	M10	
				M20	
	sürekli kesim	NC5340 <i>New</i>	155(90~220)	M25	NC5340 <i>New</i>
		NCM325		M30	NCM325
	darbeli kesim	NC5350 <i>New</i>	140(80~200)	M35	NC5350 <i>New</i>
		NCM335		M40	NCM335
K	sürekli kesim	NC5330	190(110~270)	K10	
		NC5340 <i>New</i>	150(80~250)	K20	NC5340 <i>New</i>
				K30	

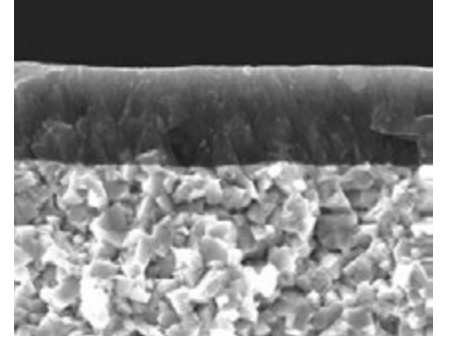
PVD Kaplamalı Kaliteler

Özellikler

- PVD kaplama teknolojisi alt katmanın tokluğunu korurken, kaplama filminin üstün çapaklanma direnci gibi doğal avantajlara sahiptir. Böylece takım ömrünü önemli ölçüde arttırmak mümkündür.
- PVD kaplamaları, alt tabakayı köreltmeden keskin kesme kenarı sağlar.
- Ti esaslı kaplama filmleri, iş parçasıyla düşük etkileşiminden dolayı, mükemmel yüzey kalitesi ve yüksek doğrulukta işleme sağlar.

PVD Kaplamanın Faydaları

- Yüksek hızlı işleme için TiN kaplama çok uygundur.
- TiN tokluğu geleneksel TiN kırılma direncini azaltmak için geliştirilmiştir.
- Dış TiN tabakası sürtünmeyi azaltır ve yüzey düzgünlüğünü artırır.
- Kesme kenarı üzerindeki aşınma miktarını belirlemek kolaydır.



PVD kaplamanın enine kesit görünüşü

Kalite Seçim Rehberi

Tornalama

Malzeme	İşleme türleri	Önerilen kalite	Önerilen kesme hızı (m/dk)	ISO	Uygulama Aralığı
P	Çelik	sürekli kesim	175(100~250)	P30	
			145(80~120)	P40	PC5300
		darbeli kesim	125(80~160)	P50	PC5400 New
M	Paslanmaz Çelik	sürekli kesim	175(120~230)	M01	
			160(110~210)	M10	PC8105 New
			150(100~200)	M20	PC8110 PC8115 New
		darbeli kesim	135(80~190)	M30	PC5300
			130(80~180)	M40	PC9030
			110(80~140)	M50	PC5400 New
S	HRSA	sürekli kesim	55(40~70)	S01	PC8105 New
			50(35~65)	S10	PC8110
			45(30~60)	S20	PC8115 New
		darbeli kesim	40(20~60)	S30	PC5300
			35(20~50)	S40	
					PC5400 New
H	Yüksek Sertlikli Çelik	darbeli kesim	100(70~130)	H01	PC8110
			90(65~115)	H10	PC8115 New

Frezeleme

Malzeme	İşleme türleri	Önerilen kalite	Önerilen kesme hızı (m/dk)	ISO	Uygulama Aralığı
P	Çelik	sürekli kesim	235(180~290)	P20	PC3600
			235(180~290)	P30	PC3500
		darbeli kesim	195(150~240)	P40	PC5300
			145(80~210)		PC5400 New
M	Paslanmaz Çelik	sürekli kesim	130(100~160)	M20	
			125(80~150)	M30	PC5300
		darbeli kesim	110(80~140)	M40	PC9530
					PC5400 New
K	Döküm	sürekli kesim	180(140~230)	K05	PC8110
			180(140~230)	K10	PC6510
		darbeli kesim	145(110~180)	K20	
			125(85~160)	K30	PC5300
S	HSRA	sürekli kesim	55(40~70)	S10	
				S20	PC5300
		darbeli kesim	40(30~50)	S30	
					PC5400 New
H	Yüksek Sertlikli Çelik	sürekli kesim	60(40~80)	H01	PC2005 New
			55(40~70)	H10	PC2010 New
			50(35~65)	H20	PC2015 New
			50(35~65)	H30	PC210F
					PC2015 New

Sermet Kaliteler

Özellikler

- KORLOY sermet, TiN, TiCN tozları eklenek elde edilen ultra ince bir iç yapıya sahip, karbonitrür türü bir sermettir.
- Ayrıca üstün tokluk, termal şok ve aşınma direncine sahiptir.

Avantajları

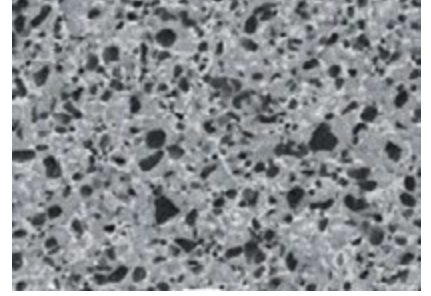
- Cermet, using TiCN as the main component, is harder than cemented carbide and has a lower affinity with ferrous workpieces at high temperatures, thus cermets have special advantages as listed below:

Kaplamasız karbür ile karşılaştırılması

- Sermet üstün aşınma ve krater aşınma direncine sahip olduğundan daha yüksek kesme hızları uygulanabilir
- Demirli iş parçaları ile olan düşük etkileşimi nedeniyle, düşükten yüksek hıza kadar kesim işlemlerini mümkün kılar ve mükemmel bir yüzey finışı sağlar.
- Yüksek hızda finiş uygulamalarında olağanüstü takım ömrü ve kesme performansı sağlanır.

Kaplamalı karbür ile karşılaştırılması

- Hafif kesim ve finiş için uygundur
- Aynı kesim koşullarında daha iyi aşınma direnci ve yüzeyi finışı elde edilebilir.



Sermetin mikroyapısı

Kalite Seçme Rehberi

► Tornalama

Malzeme		işleme türleri	önerilen kalite	önerilen kesme hızı (m/dk)	ISO	Uygulama Aralığı
P	Çelik	sürekli kesim	CN1500	250(150~350)	P10	CN1500
		darbeli kesim	CN2500	220(130~300)	P20	CN2500
					P30	

► Tornalama (Kaplamalı Sermet Kaliteler)

Malzeme		işleme türleri	önerilen kalite	önerilen kesme hızı (m/dk)	ISO	Uygulama Aralığı
P	Çelik	sürekli kesim	CC1500 ^{New}	325(200~450)	P10	CC1500 ^{New}
		darbeli kesim	CC2500 ^{New}	265(180~350)	P20	CC2500 ^{New}
					P30	

► Frezeleme

Malzeme		işleme türleri	kalite	önerilen kesme hızı (m/dk)	ISO	Uygulama Aralığı
P	Çelik	sürekli kesim	CN2000	250(200~300)	P20	
		darbeli kesim	CN30	150(100~200)	P30	

Kaplamasız Karbür Kaliteler

Özellikler

- Gelişmiş sinterleme teknolojisi sayesinde KORLOY'un kaplamasız karbür kaliteleri, üstün kalitede kesme takımları elde etmek için gerekli olan ince bir alaşım yapısına sahiptir.

Avantajları

- Her türlü iş parçasının işlenmesi için P, M, K karbür kaliteleri kullanılabilir.
- Karbürün üstün termal çatlak direnci sayesinde ıslak işlemede mükemmel kalite
- Karbürün özel tasarımı nedeniyle ince bir mikroyapıya ve düşük iş parçası ile afinitesine sahiptir.
- Mükemmel tokluğa ve düşük kesme yüklerine sahiptir.



► Ana Uygulamalar

Malzeme	Yapısı	Özellikler	Malzeme
P	WC-TiC-TaC-Co	Isı dayanıklılığı, mükemmel plastik deformasyon direnci	Karbonlu Çelik, Alaşımlı Çelik, Paslanmaz Çelik
M	WC-TiC-TaC-Co	Güçlü ve stabil ısı direncine sahip genel takımlar	Karbonlu Çelik, Alaşımlı Çelik, Paslanmaz Çelik, Dökme Çelik
K	WC-Co	Yüksek dayanç ve üstün aşınma direnci	Döküm, Demir-dışı metal, Plastik, vs.
S	WC-Co	Mükemmel aşınma direnci ve çapaklanma direnci	Titanyum Alaşımı

► Kalitelerin Fiziksel Özellikleri

Malzeme	kalite	sertlik (HRA)	TRS (kgf/mm ²)	Young's modulus (103kgf/mm ²)	Termal genleşme katsayısı (10 ⁻⁶ /°C)	Termal iletkenlik (cal/cm · sn·°C)
P	ST10P	92.1	175	48	6.2	25
	ST20E	91.9	200	56	5.2	45
	A30	91.3	230	53	5.2	-
M	U2	91.1	210	-	-	88
	A30	91.3	230	53	5.2	-
K	H01	92.9	210	66	4.7	109
	G10E	90.9	250	63	-	105
S	H01	92.9	210	66	4.7	109
	H05	91.8	250	-	-	-

1KPa = 102kgf/m², 1w/mk = 2.39x10⁻³cal/cm·sec·°C

Kaplamasız Karbür Kaliteler

► Tornalama

Malzeme	önerilen kalite	önerilen kesme hızı (m/dk)	ISO	Uygulama Arağı
P	Çelik	ST10P	110(70~140)	P10
		ST20E	80(50~110)	P20
		A30	70(40~90)	P30
M	Paslanmaz Çelik	U2	70(40~90)	M25
K	Döküm	H01	105(60~140)	K01
		H05	105(60~140)	K10
		G10E	90(50~120)	K20
N	Alüminyum Alaşımı	H01	600(450~750)	N10
	Bakır Alaşımları	H05	425(320~530)	N20
S	Titanyum Alaşımı	H01	55(40~70)	S01
		H05	50(35~65)	S10
H	Yüksek Sertlikli Çelik	H01	80(55~105)	H10

► Frezeleme

Malzeme	kalite	önerilen kesme hızı (m/dk)	ISO	Uygulama Arağı
P	Çelik	A30	80(60~100)	P30
M	Paslanmaz Çelik	U2	M20	U2
			M30	
K	Döküm	H01, H05	150(110~190)	K10
		G10E	120(90~150)	K20
N	Alüminyum Alaşımı	H01	600(450~750)	N10
	Bakır Alaşımları	H05	425(320~530)	N20

cBN Kaliteleri

Özellikler

- cBN, ultra yüksek basınç ve sıcaklık altında kübik bor nitrür ve özel bir seramik bağlayıcı karışımının sinterlenmesiyle yapılan bir kesici takım malzemesidir.

cBN takımlar sertleştirilmiş çelik ve dökme demirin yüksek hızda hassas işlenmesi için uygundur. cBN, etkin bir şekilde geleneksel taşlama işleminin yerini alabilir.



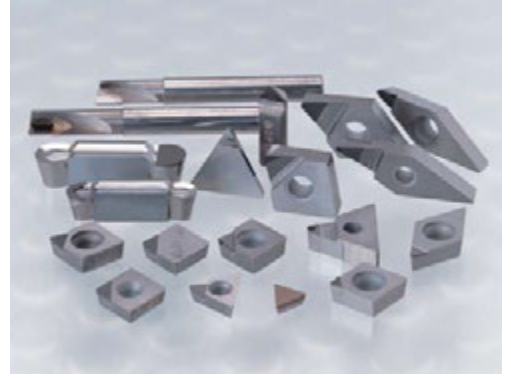
► cBN Kalitelerinin Kesme Koşulları

ISO	Kaliteler	Uç Rengi	Uygulama	kesme hızı, vc(m/dk) 150						ilerleme	Kesme derinliği
				50	100	150	200	250	300		
Tornalama Takımları	Kaplama	DNC100 	yüksek hızda sürekli kesim				180		300	0.03~0.3	0.03~0.3
		DNC250 	yüksek hızda sürekli ve düşük darbeli kesim		120			220		0.05~0.3	0.05~0.3
		DNC350 	orta ve yüksek darbeli kesim	90		150				0.05~0.3	0.05~0.3
		DNC400 	sürekli ve orta darbeli kesim	90			220			0.05~0.3	0.05~0.5
H Isıl İşlemli Çelik	Kaplama	KB410 	yüksek hızda sürekli kesim			150		200		0.03~0.13	0.03~0.2
		KB1000 	yüksek hızda sürekli kesim		130			250		0.03~0.15	0.03~0.2
		KB420 	Yüksek verimli kesim		120		150			0.03~0.3	0.03~0.5
		KB425 	yüksek hızda darbeli kesim			150		200		0.03~0.3	0.03~0.5
		KB320 	orta ve düşük darbeli kesim	80		120				0.03~0.2	0.03~0.3
		KB2000 	orta ve düşük darbeli kesim	80			200			0.03~0.2	0.03~0.3
		KB335 	yüksek darbeli kesim	80		110				0.03~0.2	0.03~0.3
		KB400 	yüksek hız ve yüksek kesme derinliği		120			220		0.10~0.3	0.5
Parmak Frezeler/Matkaplar	Frezeleme Takımları										
Kalite ve Talaş Kırılcılar Karşılaştırılması	Kalite										

PCD Kaliteler

Özellikler

- KORLOY PCD ürünleri, yüksek sıcaklık ve basınç altında yüksek kaliteli PCD uçlar kullanılarak üretilmektedir. PCD uç, kaliteli KORLOY karbür uca kaynatılır. KORLOY'un yüksek kaliteli PCD ürünleri tornalama, frezeleme ve parmak frezelerde çok çeşitli uygulama ihtiyaçlarını karşılar.
- Alüminyum ve bakır alaşımlarında mükemmel takım ömrü
- Seramik, yüksek silikonlu alüminyum, kaya ve taşlarda mükemmel takım ömrü
- Kauçuk, karbon, grafit ve ahşapta mükemmel takım ömrü



► PCD Kaliteler

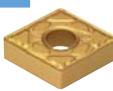
kalite	Özellikler	Uygulama	Tane boyu(μm)	Sertlik(Hv)	TRS(kg/mm ²)
DP90	Kaba elmas tanesi, sement karbür, yüksek silisli alüminyum alaşımlarının işlenmesine yetecek kadar mükemmel aşınma direnci elde etmek için kullanılmıştır.	Sement karbür Seramiğin kaba işlenmesi Yüksek Si Alüminyum Alaşımı kayalar, taşlar	50	10,000 ~ 12,000	110
DP150	İyi bağlanma özelliklerine sahip ince elmas taneleri içeren bu kalite, demir dışı metaller, grafit, vb. işleme için uygundur.	yüksek Si Alüminyum Alaşım bakır, Bronze alaşım Rubber, tahta, karbon	5	10,000 ~ 12,000	200
DP200	Çok ince elmas taneleri kullanarak, keskin bir kesme kenarı yapmak mümkündür. Bu nedenle, bu kalite, demir dışı malzemeleri işlemek için uygundur	Plastik Odun Alüminyumun hassas işlenmesi	0.5	8,000 ~ 10,000	220

► Önerilen Kesme Koşulları

Malzeme	Kesme hızı(m/dk)	İlerleme(mm/rev)	Kesme derinliği(mm)	Önerilen kalite	
				1 st	2 nd
Alüminyum alaşımı(4%~8%Si)	1000 ~ 3000	0.1 ~ 0.6	~ 3	DP150	DP200
Alüminyum alaşımı(9%~14%Si)	600 ~ 2500	0.1 ~ 0.5	~ 3	DP150	DP200
Alüminyum alaşımı(15%~18%Si)	300 ~ 700	0.1 ~ 0.4	~ 3	DP150	DP200
Bakır, Bronz alaşımı	~ 1000	0.05 ~ 0.2	~ 3	DP150	DP200
Güçlendirilmiş plastik	~ 1000	0.1 ~ 0.3	~ 2	DP150	DP200
Ahşap	~ 4000	0.1 ~ 0.4	-	DP150	DP200
Sement karbür	10 ~ 30	~ 0.2	~ 0.5	DP90	DP150

Talaş Kırıcılar

Tornalama için Talaş Kırıcılar

Geometri		Kesme kenarı	Uygulama Aralığı													Özellikler
			İlerleme hızı, f_n (mm/rev)													
			0.04	0.063	0.10	0.16	0.25	0.4	0.63	1.0	1.6	2.5	4.0	6.3		
			Kesme derinliği, a_p (mm)													
			0.1	0.16	0.25	0.4	0.63	1.0	1.6	2.5	4.0	6.3	10.0	11.6	13	
V Serisi	VQ							0.10~0.40			1.0~3.0					Orta/Finiş
	VL							0.10~0.35			0.2~1.5					Finiş
	VF							0.05~0.35			0.5~1.5					Finiş
	VB							0.15~0.45			0.5~2.0					Finiş
	VC							0.12~0.45			0.5~3.5					Orta/Finiş
	VM							0.10~0.50			1.0~5.0					Orta
	VH									0.70~1.40			6.0~15.0			Ağır Koşul
	VT									0.75~1.60			7.0~17.0			Ağır Koşul
	VP1							0.05~0.20			0.1~1.5					Finiş
	VP2							0.05~0.40			0.5~4.0					Orta/Finiş
	VP3							0.05~0.45			0.5~4.5					Orta

Not: Uygulama aralıkları ana kesim malzemesine göredir.

Talaş Kırıcılar

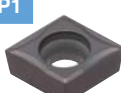
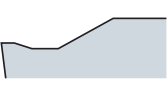
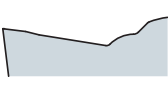
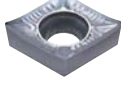
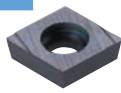
Tornalama için Talaş Kırıcılar

Geometri		Kesme kenarı	Uygulama Aralığı												Özellikler		
			İlerleme hızı, f_n (mm/rev)														
			0.04	0.063	0.10	0.16	0.25	0.4	0.63	1.0	1.6	2.5	4.0	6.3			
			Kesme derinliği, a_p (mm)														
			0.1	0.16	0.25	0.4	0.63	1.0	1.6	2.5	4.0	6.3	10.0	11.6	13		
V Serisi	VP4							0.15~0.45			1.0~4.5						Inconel: Orta Paslanmaz çelik: Orta/Kaba - Inconel işlemede birinci önerilen talaş kırıcıdır. - Daha güçlü kesme kenarı elde etmek ve kaba yüzeylerde çentik aşınmasını önlemek için yüksek sertliğe dayanıklı yüksek talaş açısı uygulanmıştır.
	VR							0.25~0.55			1.2~7.0						Dökme Demir: Orta Çelik: Orta/Kaba - Geniş alan ve ceplerin kombinasyonu ile yüksek ilerlemeli işleme - Siğ talaş kırıcı formu yüksek ilerlemede talaş sıkışmasını önler. - Bıçağa uygulanan özel işlem sayesinde ana kesici kenarın aşınması azaltılmıştır.
-P Serisi	LP						0.10~0.40			0.5~2.5							Çelik: Orta/Finiş - Açılı alan daha iyi yüzey pürüzlülüğü için kesme direncini azaltır. - Özel nokta tasarımı talaşı temizce kırarak talaş sıkışmasını önler.
	MP						0.15~0.45			0.5~4.5							Orta - Farklı koşullarda mükemmel talaş kontrolü sayesinde artan verimlilik - Yüksek hızda ve yüksek ilerlemede kesme yükünün azaltılmasıyla istikrarlı takım ömrü
-M Serisi	MM						0.12~0.45			0.5~5.5							Orta - Paslanmaz çelikte birinci önerilen talaş kırıcıdır. - Çift alan dengeli kesme performansı ve tokluk sağlayarak takım ömrünü ve işleme kalitesini artırır. - Geniş talaş cebi yüksek ilerleme ve yüksek kesme derinliklerinde istikrarlı talaş boşaltma sağlar.
	RM						0.15~0.55			2.0~6.0							Kaba - Paslanmaz çelikte birinci önerilen talaş kırıcıdır. - Çift alan dengeli kesme performansı ve tokluk sağlayarak takım ömrünü ve işleme kalitesini artırır. - Geniş talaş cebi yüksek ilerleme ve yüksek kesme derinliklerinde istikrarlı talaş boşaltma sağlar.
H Serisi	HA					0.03~0.30			0.5~2.5								Hafif Alaşım, Paslanmaz-Çelik - Paslanmaz çeliğin darbeli veya kaba işlenmesinde birinci önerilen talaş kırıcı - Yüksek kesme derinliklerinde ve yüksek ilerlemelerde bile çentik aşınmasını ve çapak oluşmasını engeller. - Yüksek ilerlemelerde kesme yüklerinin azaltılmasıyla daha uzun takım ömrü
G Serisi	GR							0.30~0.80			3.0~8.0						Orta/Kaba - Çelik ve dökme demirin derin kesme derinliğinde ve yüksek ilerlemede kesimi için uygundur. - Aralıklı kesim için uygundur.
	GH							0.30~1.30			3.0~11.0						Ağır Koşul - Güçlü kesici kenarı sayesinde ağır koşulda kesime uygundur. - Düşük kesme kuvveti ile geniş talaş kontrol aralığı
B Serisi	B25							0.50~1.00			4.0~10.0						Genel Kesim Genel kesme koşulu için uygundur
V-Posi Serisi	VF					0.05~0.25			0.1~1.5								Finiş Dengeli iç delik işleme özelliği sayesinde artan yüzey kalitesi ve ölçü doğruluğu

Not: Uygulama aralıkları ana kesim malzemesine göre değişir.

Talaş Kırıcılar

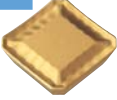
Tornalama için Talaş Kırıcılar

Geometri		Kesme kenarı	Uygulama Aralığı													Özellikler	
			İlerleme hızı, f_n (mm/rev)														
			0.04	0.063	0.10	0.16	0.25	0.4	0.63	1.0	1.6	2.5	4.0	6.3			
			kesme derinliği, a_p (mm)														
			0.1	0.16	0.25	0.4	0.63	1.0	1.6	2.5	4.0	6.3	10.0	11.6	13		
V-Posi Serisi	VL						0.05~0.20										Finiş • Düşük karbonlu çelik, borularda ve çelik levhalarda üstün talaş kontrolü
	VP1						0.01~0.25										Finiş • Mikro kesme derinliği ve düşük ilerlemede mükemmel talaş kontrolü Düşük kesme kuvveti ve süper yüzey finışı İç ve dış çap işleme için ideal
H-Posi Serisi	HMP						0.08~0.40										Orta • Geniş kesme koşulu aralığında mükemmel talaş kontrol • Paslanmaz çeliğin kesimine uygundur.
C Serisi	C25						0.10~0.35										Orta • Darbeli kesme ve dökme demir işleme için uygundur • Düşük kesme kuvveti sayesinde iyi yüzey kalitesi • Delik işleme ve dış çap tornalama için uygundur
P-Posi Serisi	MP						0.05~0.30										Orta • Düşük kesme kuvveti için keskin kenar ve geniş talaş cebi • Farklı kesme derinliklerinde istikrarlı talaş kontrolü • Otomobil parçaları işlemede mükemmel kesme performansı
AL Serisi	AK						0.03~0.40										Alüminyum • Yüksek talaş açısı ve düşük dirençli kesme kenarı, alüminyumun sürekli kesiminde uzun takım ömrü sağlar. Yüksek hızda finiş operasyonu
	AR						0.05~0.50										Alüminyum • Kesme kenarının yüksek stabilitesi yüksek hızda ve darbeli kesimde büyük performans sağlar. Yüksek hızda orta ve darbeli operasyon
Auto tool Serisi	KF						0.01~0.12										Finiş • Keskin kenarlı düşük kesme derinliği Düşük kesme kuvveti sayesinde yüksek hızda daha uzun takım ömeü. İyi yüzey finışı
	KM						0.04~0.15										Orta/Finiş • Artırılmış talaş kontrolü takım ömrünü uzatır ve daha iyi işleme sağlar.
Wiper tool Serisi	LW						0.15~0.60										Orta(Silici uç) • Yüksek ilerlemeli kesimde mükemmel yüzey kalitesi ve talaş boşaltma sağlar.
	VW						0.15~0.50										Finiş(Silici uç) • Güçlü kesme kenarı sayesinde düşük kesme derinliğinde ve yüksek ilerlemede geliştirilmiş yüzey kalitesi

Not: Uygulama aralıkları ana kesim malzemesine göre değişir.

Talaş Kırıcılar

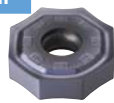
Tornalama için Talaş Kırıcılar

Geometri		Kesme kenarı	Uygulama Aralığı												Özellikler	
			ilerleme hızı, f_n (mm/rev)													
			0.04	0.063	0.10	0.16	0.25	0.4	0.63	1.0	1.6	2.5	4.0	6.3		
			kesme derinliği, a_p (mm)													
			0.1	0.16	0.25	0.4	0.63	1.0	1.6	2.5	4.0	6.3	10.0	11.6	13	
MX Serisi	MX						0.10~0.30				1.0~5.0					Genel Frezeleme - Paso ve ilerlemeyi artırarak üretkenliği artırmak mümkündür. - Ucun üst yüzünün özel tasarımı sayesinde mükemmel ısı direnci
	MA						0.05~0.40				1.0~8.0					Alüminyum Kesimi zor malzemeler, çelik ve alüminyumun işlenmesi için ideal düşük kesme kuvveti sağlayan keskin kesme kenarı.
RichMill Serisi-RM3	ML						0.05~0.30				1.0~8.0					Kesimi Zor Malzemeler Hafif kesim ve kesimi zor malzemelerde düşük kesme direnci, mükemmel takım ömrü ve yüzey kalitesi
	MM						0.05~0.35				1.0~8.0					Orta/Kaba Genel frezeleme için çoğu uygulamaya uygun genel tasarım
RichMill Serisi-RM4	MA						0.05~0.25				0.3~14.0					Alüminyum Keskin kesici kenar tasarımı düşük kesme kuvveti ve kesimi zor malzemelerde, alüminyumda ve hafif kesimde mükemmel işleme sağlar.
	MF						0.05~0.30				0.5~14.0					Finiş Düşük kesme kuvveti veren talaş kırıcı tasarımı daha uzun takım ömrü, kesimi zor malzemede ve hafif kesimde mükemmel işleme sağlar.
	MM						0.05~0.30				1.0~14.0					Orta/kaba Genel frezelemeye uygun geometri tasarımı, daha geniş işleme aralıklarına sahiptir.
RichMill Serisi-RM8	MA						0.05~0.35				0.3~6.0					Alüminyum Keskin kesme kenarı ve kaygan üst yüzey alüminyum işlemede mükemmel talaş akışı ve kaynaklanma direnci gösterir.
	MF						0.05~0.35				0.3~6.0					Finiş Düşük kesme kuvvetine uygun talaş kırıcı tasarımı sayesinde daha uzun takım ömrü, kesimi zor malzemede ve hafif kesimde mükemmel işleme
	ML						0.05~0.30				0.3~6.0					Kesimi Zor Malzemeler Kesimi zor malzemelerin işlenmesinde mükemmel takım ömrü ve yüzey kalitesi için düşük kesme kuvveti
	MM						0.10~0.40				0.5~6.0					Orta/Kaba Genel frezemeye uygun geometri tasarımı, daha geniş işleme aralıklarına sahiptir.
RichMill Serisi-RMT	MF						0.05~0.20				0.5~5.0					Finiş Düşük kesme kuvvetine uygun talaş kırıcı tasarımı sayesinde daha uzun takım ömrü, kesimi zor malzemede ve hafif kesimde mükemmel işleme

Not: Uygulama aralıkları ana kesim malzemesine göre değişir.

Talaş Kırıcılar

Frezeleme için Talaş Kırıcılar

Geometri		Kesme kenarı	Uygulama Aralığı													Özellikler
			ilerleme hızı, f_n (mm/rev)													
			0.04	0.063	0.10	0.16	0.25	0.4	0.63	1.0	1.6	2.5	4.0	6.3		
			kesme derinliği, a_p (mm)													
			0.1	0.16	0.25	0.4	0.63	1.0	1.6	2.5	4.0	6.3	10.0	11.6	13	
RichMill Serisi-RMT	MM			0.05~0.30			0.5~8.0									Orta/Kaba
														• Genel frezelemeye uygun geometri tasarımı, daha geniş işleme aralıklarına sahiptir.		
RichMill Serisi-RM16	MA			0.05~0.30			0.3~5.5									Aluminum
														• Keskin kesici kenar tasarımı düşük kesme kuvveti ve kesimi zor malzemelerde, alüminyumda ve hafif kesimde mükemmel işleme sağlar.		
	MF			0.05~0.40			0.3~5.5									Finiş
														• Düşük kesme kuvveti veren talaş kırıcı tasarımı daha uzun takım ömrü, kesimi zor malzemede ve hafif kesimde mükemmel işleme sağlar.		
	ML			0.05~0.35			0.3~5.5									Kesimi Zor Malzemeler
														• Kesimi zor malzemelerin işlenmesinde mükemmel takım ömrü ve yüzey kalitesi için düşük kesme kuvveti		
RichMill Serisi-RM16	MM			0.10~0.45			0.5~5.5									Orta/Kaba
														• Genel freze için uygun geometri tasarımı, daha geniş işleme aralıklarına sahiptir.		
	W			0.05~0.30			0.3~2.0									Finiş(Silici uç)
													• Silici uç özel kesme kenarı sayesinde yüzey kalitesini artırır.			
Alpha Mill Serisi	MA			0.10~0.40			0.5~16									Aluminum
														• Keskin kesme kenarı ve kaygan üst yüzey alüminyum işlemede mükemmel talaş akışı ve kaynaklanma direnci gösterir.		
	MF			0.05~0.15			0.5~16									Finiş
														• Düşük kesme kuvvetine uygun talaş kırıcı tasarımı ile daha uzun takım ömrü; Kesimi zor malzemede ve hafif kesimde mükemmel işleme		
Alpha Mill Serisi	MM			0.10~0.25			0.5~16									Orta/Kaba
														• Genel frezelemeye uygun geometri tasarımı daha geniş işleme aralıklarına sahiptir.		
	ML			0.05~0.15			0.5~16									Kesimi Zor Malzemeler
													• Düşük kesme kuvvetine sahip talaş kırıcı kesimi zor malzemelerde üstün işlenebilirlik sağlar.			
Futur Mill	MF			0.05~0.20			0.5~5.0									Finiş
														• Paslanmaz çelik gibi yapışkan ve işlenmesi zor malzemelerin hafif kesimi için özel tasarım, iyi yüzey finışı ve daha uzun takım ömrü sağlar.		
Futur Mill	MM			0.05~0.30			1.0~5.0									Orta
														• Geniş kesme koşullunu kapsayan talaş kırıcı tasarımı geniş işleme aralığı sağlar. Bilinmiş tipi ve sinterlenmiş tipi mevcuttur.		

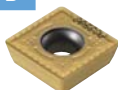
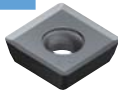
Not: Uygulama aralıkları ana kesim malzemesine göre değişir.

Talaş Kırıcılar

Frezeleme için Talaş Kırıcılar

Geometri		Kesme kenarı	Uygulama Aralığı												Özellikler				
			İlerleme hızı, f_n (mm/rev)																
			0.04	0.063	0.10	0.16	0.25	0.4	0.63	1.0	1.6	2.5	4.0	6.3					
			Kesme derinliği, a_p (mm)																
			0.1	0.16	0.25	0.4	0.63	1.0	1.6	2.5	4.0	6.3	10.0	11.6	13				
Futur Mill	MR			0.05~0.35												1.5~5.0		Kaba	• En güçlü kesme kenar dayancısı ağır darbeli ve ağır kaba işlemede bile istikrarlı takım ömrü sağlar.
	MA			0.10~0.35												0.5~5.0		Aluminum	• Keskin kesme kenarı ve kaygan üst yüzey alüminyum işlemede mükemmel talaş akışı ve kaynaklanma direnci gösterir.
Futur Mill Serisi P-Posi	MA			0.30~0.60												0.3~6.0		Aluminum	• Alüminyum işlemede parlatılmış yüzey sayesinde mükemmel yüzey kalitesi.
	ML			0.30~0.50												0.3~3.0		Titanyum ve Inconel	• Titanyum ve Inconel işlemede mükemmel yüzey kalitesi için düşük kesme direnci ve yüksek sertlikte kesme kenarı
	MF			0.12~0.50												0.3~6.0		Orta	• Hafif kesim için düşük kesme direnci
	MM			0.20~0.70												0.3~6.0		Orta/Kaba	• Çoğu freze uygulaması için genel amaçlı form
	None C/B			0.30~0.50												0.3~0.5		Yüksek Sertlikli Çelik	• Yüksek sertlikli kalıp çeliği ve ısı dirençli alaşımlar için ideal

Delik Delme için Talaş Kırıcılar

Geometri		Kesme kenarı	Uygulama Aralığı												Özellikler			
			İlerleme hızı, f_n (mm/rev)															
			0.04	0.063	0.10	0.16	0.25	0.4	0.63	1.0	1.6	2.5	4.0	6.3				
			kesme derinliği, a_p (mm)															
			0.1	0.16	0.25	0.4	0.63	1.0	1.6	2.5	4.0	6.3	10.0	11.6	13			
KING DRILL	PD			0.04~0.20 60~300												Genel Çelik İşleme için		Çelik, paslanmaz çelik ve dökme demirde genel uygulamalar için güçlü kesme kenarlı talaş kırıcı
	ND			0.04~0.10 100~400												Demir İçermeyen Materyaller		Alüminyum ve demir dışı metaller için keskin ve parlatılmış kesme kenarlı talaş kırıcı. King Drill ile işlemede iyi talaş akışı ve talaş kaynaklanmasına karşı direnç sağlar.
	LD			0.04~0.15 40~250												Çelik için		Yumuşak çelik, dövme çelik ve paslanmaz çeliklerin işlenmesinde üstün talaş kontrolü

Not: Uygulama aralıkları ana kesim malzemesine göre değişir.

Uçlar

KORLOY, birçok farklı iş parçası malzemesini(P, M, K, S, N) ve işleme yöntemini(tornalama, frezeleme ve delme) kapsayan özel üretimi kolaylaştırmak için sürekli olarak talaş kırıcıları ve köşe geometrisini genişletmeye çalışır.

Derhal sorun giderme, yüksek üretkenlik ve işleme kalitesi sağlamak için daima müşteri memnuniyetini artırmayı taahhüt ederiz.

tornalama Uçları

Frezeleme Uçları

Delme Uçları

Alüminyum İşleme Uçları

Çok Amaçlı Takımlar uçlar

Rulman Uçları

cBN Uçlar

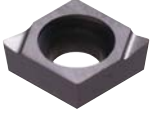
PCD Uçlar

KORLOY KESİCİ TAKIMLAR

Tornalama Uçları

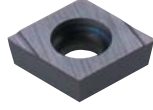
► Tornalama

CCET



0301005R/L
030101R/L
030102R/L
030104R/L
0401005R/L
040101R/L
040102R/L
040104R/L

CCET-KF



0602005MFR/L
060201MFR/L
060202MFR/L
09T3005MFR/L
09T301MFR/L
09T302MFR/L

CCET-KM



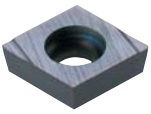
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060201MFR/L
060202MFR/L
09T3005MFR/L
09T301MFR/L
09T302MFR/L

CCGT-AK/AR



AK 060202 09T308
060204 120402
060208 120404
09T302 120408
09T304
AR 060202 09T308
060204 120402
060208 120404
09T302 120408
09T304 120412

CCGT-KF



0602003R/L
060201R/L
060202R/L
09T3003R/L
09T301R/L
09T302R/L

CCGT-KM



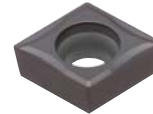
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060201R/L
060202R/L
09T3003R/L
09T301R/L
09T302R/L

CCGT-VP1



060201
060202
060204
09T301
09T302
09T304

CCGT-VP1(Precision class)



060201MFN
060202MFN
060204MFN
09T301MFN
09T302MFN
09T304MFN

CCMT-C25



060202
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09T304
09T308
120404
120408
120412

CCMT-HMP



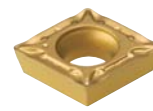
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09T308
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120408
120412

CCMT-MP



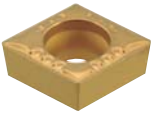
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09T308
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120408

CCMT-VF



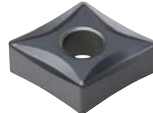
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09T304
09T308
120404

CCMT-VL



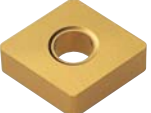
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09T308

CNGG-VP1



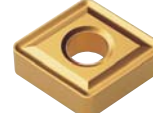
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120408

CNMA



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120412 190612
120416 190616
160608

CNMG-B25



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190612
190616

CNMG-GR



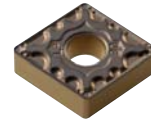
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160616
190608

CNMG-HA



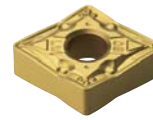
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CNMG-LP



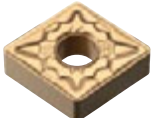
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120412

CNMG-LW



120408
120412

CNMG-MM



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120412 190616
120416

CNMG-MP



090304 120412
090308 120416
090404 160608
090408 160612
090412 190612
120404 190616
120408

CNMG-RM



120404 160612
120408 160616
120412 190608
120416 190612
160608 190616

CNMG-VB



120404
120408
120412

Tornalama Uçları

► Tornalama

CNMG-VC



120404
120408
120412

CNMG-VF



090304
090308
120404
120408
120412

CNMG-VL



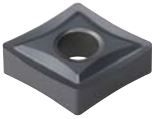
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120412

CNMG-VM



090304
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190612

CNMG-VP2



120404
120408

CNMG-VP3



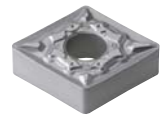
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CNMG-VP4



120408
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190608
190612

CNMG-VQ



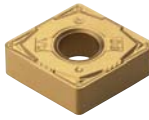
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CNMG-VR



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190616

CNMG-VW



120404
120408

CNMM-GH



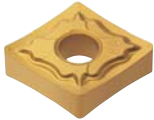
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160424 250716
160612 250724
160616 250924
160624 250950
190608

CNMM-GR



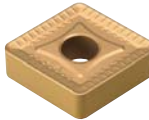
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CNMM-HA



120408

CNMM-VH



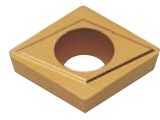
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CNMM-VT



190612
190616
190624
250724
250924

CPGT



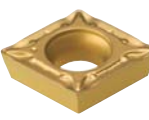
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090302
090304
090308

CPGT-HMP



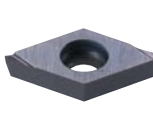
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CPMT-VF



080204
080208
090304
090308

DCET-KF



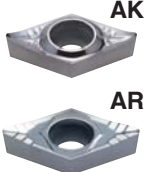
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11T301MFR/L
11T302MFR/L

DCET-KM



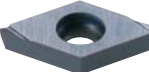
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11T3005MFR/L
11T301MFR/L
11T302MFR/L

DCGT-AK/AR



AK
070202
070204
070208
11T302
11T304
11T308
11T312

DCGT-KF



0702003R/L
070201R/L
070202R/L
11T3003R/L
11T301R/L
11T302R/L

DCGT-KM



0702003R/L
070201R/L
070202R/L
11T3003R/L
11T301R/L
11T302R/L

DCGT-VP1



070201
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070204
11T301
11T302
11T304

Tornalama Uçları

► Tornalama

DCGT-VP1 (Precision class)



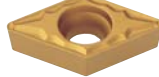
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070204MFN
11T301MFN
11T302MFN
11T304MFN

DCMT-C25



070202
070204
070208
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11T304
11T308

DCMT-HMP



070202
070204
070208
11T302
11T304
11T308

DCMT-MP



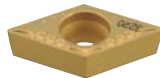
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11T302
11T304
11T308

DCMT-VF



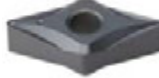
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11T304
11T308

DCMT-VL



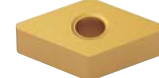
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11T308

DNGG-VP1



150404
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150608

DNMA



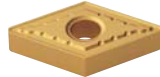
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150612
190608

DNMG-B25



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150602
150604
150608
150612
150625

DNMG-GR



150408
150412
150416
150608
150612
150616

DNMG-HA



150404
150408
150604
150608

DNMG-LP



150404
150408
150412
150604
150608
150612

DNMG-LW



150408
150412
150608
150612

DNMG-MM



110504
110508
110512
150404
150408
150412
150604
150608
150612

DNMG-MP



110404 150404
110408 150408
110412 150412
110504 150604
110508 150608
110512 150612

DNMG-RM



150404
150408
150412
150604
150608
150612

DNMG-VB



150404
150408
150412
150604
150608
150612

DNMG-VC



150404
150408
150412
150604
150608
150612

DNMG-VF



110402
110404
110408
150404
150408
150412
150604
150608
150612

DNMG-VL



110408
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150408
150412
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150608
150612

DNMG-VM



110404
110408
110412
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150604
150608
150612

DNMG-VP2



150404
150408
150604
150608

DNMG-VP3



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DNMG-VP4



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150608
150612

Tornalama Uçları

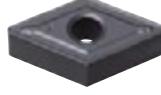
► Tornalama

DNMG-VQ



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150604
150608

DNMG-VR



150408
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150608
150612

DNMG-VW



150404
150408
150604
150608

DNMX-SH



150404R/L
150408R/L
150604R/L
150608R/L

KNUX-11



160405R
160410R
160405L
160410L

KNUX-12



160405R
160410R
160405L
160410L

RCGT-AK/AR



AK
0602M0
0803M0
1003M0
10T3M0
1204M0

AR

RCMX



1003M0
1204M0
1606M0
2006M0
2507M0
3209M0

RNMG-B25



090300
120400
150600
190600
250600
250900
310900

SCGT-AK/AR



AK

AR

09T302
09T304
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120416

SCMT-C25



060204
09T304
09T308
120404
120408

SCMT-HMP



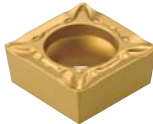
09T304
09T308
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120408

SCMT-MP



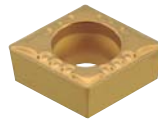
09T304
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SCMT-VF



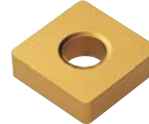
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SCMT-VL



09T304
09T308

SNGA



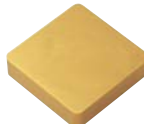
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120408
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SNGG



090304R/L
090308R/L
120404R/L
120408R/L
120412R/L

SNGN



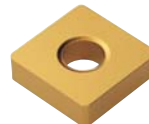
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SNGX



120408R

SNMA



090304 150616
090308 190608
090312 190612
120402 190616
120404 190624
120408 250724
120412 250924
120416
120430
150612

SNMG-B25



090308 150616
120404 190608
120408 190612
120412 190616
120416 250716
120420 250724
150608 250924
150612

SNMG-GR



120404
120408
120412
150608
150612
190608
190612
190616
250724
250924

SNMG-HA



120404
120408
120412

SNMG-LP



120404
120408
120412

Tornalama Uçları

► Tornalama

SNMG-MM



090404 150608
090408 150612
090412 150616
120404 190608
120408 190612
120412 190616
120416

SNMG-MP



090304
090308
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120412
120416

SNMG-RM



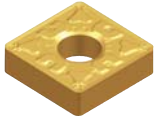
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190616

SNMG-VB



120404
120408

SNMG-VC



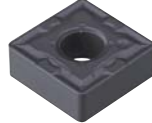
120408

SNMG-VF



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120404
120408
120412

SNMG-VK



120404
120408
120412

SNMG-VL



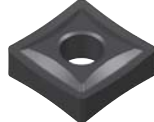
120408

SNMG-VM



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120408
120412
190612

SNMG-VP2



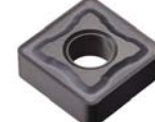
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SNMG-VP3



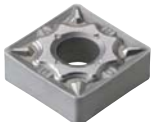
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120408
120412

SNMG-VP4



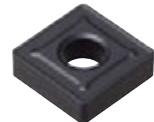
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120412
150612
190608
190612
190616

SNMG-VQ



090304
090308
120404
120408

SNMG-VR



120408
120412
190612
190616

SNMM-GH



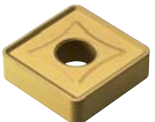
120408
120412
150612
190612
190616
190624
250724
250924
250932

SNMM-GR



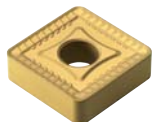
120408
120412
190612
190616

SNMM-VH



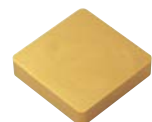
190612
190616
190624
250724
250920
250924
250716

SNMM-VT



190612
190616
190624
250724
250920
250924
250716

SNMN



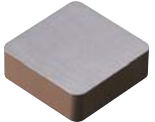
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120404
120408
120412
150404
150408
150412
190416

SNMX



120408R

SNUN



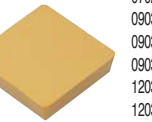
120408
120412
190412
120412TN
250724TN

SPGA



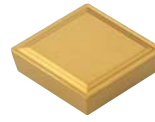
060204
090308T
090308T-Z

SPGN



070202 120402 150416
070208 120404 150420
090302 120408 190404
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090308 120416 190412
120302 120430 190416
120304 120440 190424
120308 150404
120312 150408
120316 150412

SPGR-F



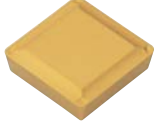
090304
120304

Tornalama Uçları

► Tornalama

SPGR-M

090308
120308



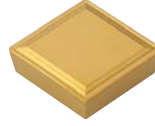
SPGT

090304R/L
090308R/L



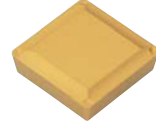
SPMR-F

090304
120304



SPMR-M

090308
120308
120312



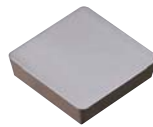
SPMT-VF

090304
090308



SPUN

120304
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150412
190412
190416
250620
120308SN

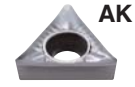


TBGT

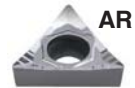
060102L
060104L



TCGT-AK/AR



AK

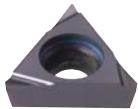


AR

090202 16T304
090204 16T308
110202 16T312
110204 16T316
110208 16T325
16T302

TCGT-KF

0802003R-KF
080201R-KF
080202R-KF
0802003L-KF
080201L-KF
080202L-KF



TCMT-C25

090204
090208
110202
110204
110208
16T304
16T308



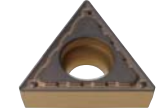
TCMT-HMP

090204
090208
110202
110204
110208
16T304
16T308



TCMT-MP

090204
090208
110202
110204
110208
16T304
16T308
16T312



TCMT-VF

110202
110204
110208
16T302
16T304



TCMT-VL

090208
110204
110208
16T304
16T308



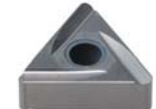
TNGA

110302 220402
110304 220404
160304 220408
160402 220412
160404 270612
160408 270624
220304



TNGG

110304R/L
160402R/L
160404R/L
160408R/L
220404R/L
220408R/L
220412R/L



TNGG-SC

160402R/L
160404R/L



TNGN

110302 160412
110304 220404
110308 220408
160302 220412
160304 220416
160308 220424
160404 270630
160408



TNMA

110308 220416
160404 220420
160408 220432
160412 270608
160416 270612
220404 270616
220408 330924
220412



TNMG-B25

110308 220424
160404 220432
160408 270608
160412 270612
160416 270616
220404 330716
220408 330924
220412
220416



TNMG-GR

160408
160412
220408
220412
220416
270608
270612
270616
330924



TNMG-HA

160404
160408
160412
220408



TNMG-LP

160404
160408
160412



TNMG-LW

160408
160412



Tornalama Uçları

► Tornalama

TNMG-MM



160404
160408
160412
220404
220408
220412

TNMG-MP



160404
160408
160412
220404
220408
220412
220416

TNMG-RM



160404
160408
160412
220408
220412

TNMG-VB



160404
160408
220408
220412

TNMG-VC



160404
160408
160412
220408
220412

TNMG-VF



110304
160404
160408
160412
220404
220408

TNMG-VL



160404
160408
160412
220408
220412

TNMG-VM



110308
160404
160408
160412
220404
220408
220412

TNMG-VP2



160404
160408
160412
220404
220408

TNMG-VP3



160404
160408

TNMG-VP4



160408
160412

TNMG-VR



160408
160412
160416
220408
220412
220416

TNMG-VW



160404
160408

TNMM-GH



160408
220408
220412
220416
270616
270624
330924

TNMM-GR



220408
220412
220416

TNMN



160408
220408
220412

TNMX



160402R
160404R/L
160408R/L
220404R
220408R

TNMX-SH



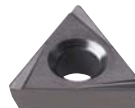
160404R/L
160408R/L

TOEH



060102L
090204L
140304L

TPGH



080202L
080204L
110202L
110204L

TPGN



090204 160316
110302 160404
110304 220404
110308 220408
160302 220412
160304 220430
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160310 270408
160312 270608

TPGR-F



110302
110304
160304

TPGR-M



110308
160308

TPGT

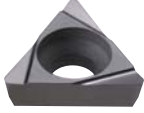


080202R/L
110302R/L
110304R/L
110308R/L
160404R/L
160408R/L

Tornalama Uçları

► Tornalama

TPGX



090202L
090204L
090208L
110304L

TPMR-F



090202
090204
110302
110304
110308
160304
160308

TPMR-M



110304
110308
160304
160308
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TPMT-MP



110304
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160404
160408

TPMT-VF



110304
110308
160404
160408

TPMT-VL



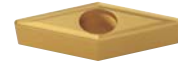
090204
110304
110308
160404
160408

TPUN



090308 220404
110208 220408
110304 220412
110308 330620
160304 160308TN
160308 160312TN
160312 220412TN

VBGT



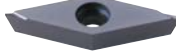
160404
160408

VBGT-AK/AR



AK 110302
110304
110308
160402
160404
160408
160412
AR

VBGT-KF



1103003R/L
110301R/L
110302R/L

VBGT-KM



1103003R/L
110301R/L
110302R/L

VBMT



160404
160408

VBMT-HMP



110204
110208
110304
110308
160404
160408
160412

VBMT-MP



110304
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160404
160408
160412

VBMT-VB



160404
160408

VBMT-VF



160404
160408

VBMT-VL



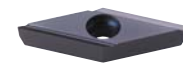
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160408
160412

VCET-KF



1103005MFR/L
110301MFR/L
110302MFR/L

VCET-KM



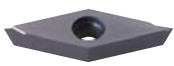
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110301MFR/L
110302MFR/L

VCET-AK/AR



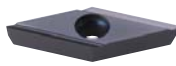
AK 110301 160402
110302 160404
110304 160408
110308 160412
130302 220516
130304 220525
130308 220530
AR

VCET-KF



1103003R/L
110301R/L
110302R/L

VCET-KM



1103003R/L
110301R/L
110302R/L

VCET-VP1



110301
110302
110304

VCET-VP1(Precision class)

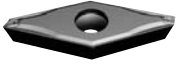


110301MFR
110302MFR
110304MFR

Tornalama Uçları

► Tornalama

VCGX-VP1 (Precision class)



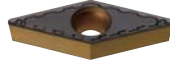
120300MFR
120301MFR
120302MFR

VCMT-HMP



160404
160408

VCMT-MP



080202
080204
160404
160408
160412

VCMT-VF



080202
080204
110304
160404

VCMT-VL



080202
080204
160404
160408
160412

VNGG-HA



160408

VNMG-MM



160404
160408
160412

VNMG-HA



160404
160408

VNMG-LP



160404
160408
160412

VNMG-MP



160404
160408
160412

VNMG-RM



160404
160408
160412

VNMG-VB



160404
160408

VNMG-VC



160404
160408

VNMG-VF



160402
160404
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VNMG-VL



160404
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VNMG-VM



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160408
160412
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220408

VNMG-VP3



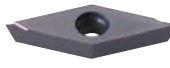
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VNMG-VQ



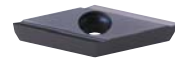
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160408

VPET-KF



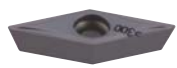
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080202MFR/L

VPET-KM



0802005MFR/L
080201MFR/L
080202MFR/L

VPGT-VP1



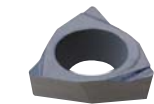
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110302
110304

VPGT-VP1 (Precision class)



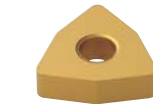
110301MFN
110302MFN
110304MFN

WBG



020102R/L
S30202L
S30204R/L

WNMA



060404
060408
060412
080404
080408
080412
080416

Tornalama Uçları

► Tornalama

WNMG-B25



080404
080408
080412

WNMG-GR



080404
080408
080412
080416

WNMG-HA



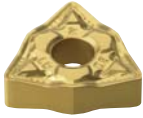
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WNMG-LP



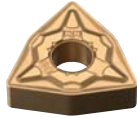
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WNMG-LW



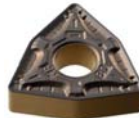
060408
060412
080408
080412

WNMG-MM



060404
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060412
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080412

WNMG-MP



060404
060408
060412
080404
080408
080412
080416

WNMG-RM



060408
060412
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080408
080412

WNMG-VB



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WNMG-VC



080404
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080412

WNMG-VF



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080412

WNMG-VL



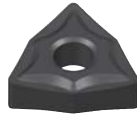
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WNMG-VM



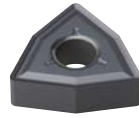
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080412

WNMG-VP2



080404
080408
080412

WNMG-VP3



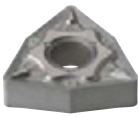
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WNMG-VP4



080408
080412

WNMG-VQ



060404
060408
080404
080408
080412

WNMG-VR



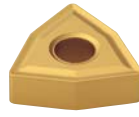
080408
080412

WNMG-VW



080404
080408

WNMM-B25



100608
130612

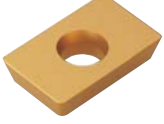
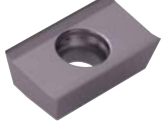
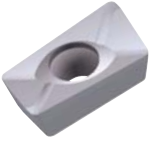
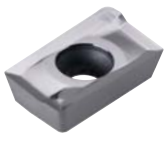
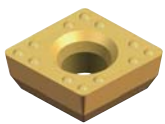
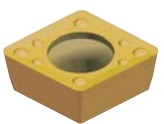
WNMX-SH



080404R/L
080408R/L

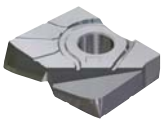
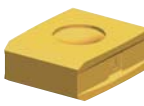
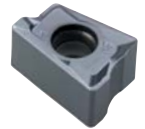
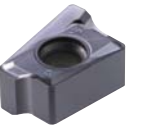
Frezeleme Uçları

► Frezeleme

ADKA  150308R 150308SR 150308TR	ADLT  150308R 150308SR 150308TR	APKT  1604PDSR	APKT-MA  1604PDFR
APKT-MA2  1604PDFR 160416FR 160432FR	APKT-MA3  1604PDFR 160420FR	APKT-MF  1604PDSR	APKT-MM  1604PDSR
APKT-MM1  160432R	APKT-X22  1604PDSR 1604PDTR	APLT  070304R	
APMT-MA  0602PDFR 060208PDFR 0903PDFR 090308PDFR 11T3PDFR 11T308PDFR 160404PDFR 1604PDFR 180604PDFR 1806PDFR 180612PDFR 180616PDFR 180620PDFR 180624PDFR 180630R	APMT-MF  11T3PDSR 1604PDSR 1806PDSR 180612PDSR		
APMT-ML  0903PDER 090308PDER 11T3PDER 11T308PDER 160404PDER 1604PDER 180604PDER 1806PDER 180612PDER 180616PDER 180620PDER 180624PDER 180630R	APMT-MM  060202PDSR 0602PDSR 060208PDSR 060212R 060216R 0903PDSR 090306PDSR 090308PDSR 090312R 090316R 090320R 090331R 090332R 11T3PDSR 11T308PDSR 11T312PDSR 11T316R 11T318R 11T324R 1604PDSR 160410PDSR 160416PDSR 160424R 160430R 160432R 160450R 160464R 1806PDSR 180612PDSR 180616PDSR 180620PDSR 180624PDSR 180630R 180632R 180640R 180648R 180650R 180660R 180664R		
CNHQ  1005-C0.5 1305-C0.5 1606-C0.5	CPMH-MM  120408	CPMT-MM  060204 080308 09T308	HECN  090408FN 090408SN 090408TN 110412FN 110412TN

Frezeleme Uçları

► Frezeleme

HPEN  090408FN 090408SN 090408EN 110412FN	HPEN-WC  090408 110412	LBH  080 100 120 160 200 250 300 320	LBH-KF  080 200 100 210 120 250 130 300 160 320 170
LBH-KH  080 210 100 250 120 260 130 300 160 320 170 200	LBS  080 200 090 210 100 250 110 260 120 300 130 310 160 320 170	LCF  160-D90 200-D90 250-D90	LFH  100 120 160 200 250 300 320
LPEW  040210R 040220R	LPMT-MF  040210R 040220R	LPMW  040210R 040220R	
LRH / LR   (Özel Tip) 100-R05 160-R20 250-R20 100-R10 160-R30 250-R30 100-R20 170-R05 260-R05 110-R05 200-R05 300-R10 120-R05 200-R10 300-R20 120-R10 200-R20 300-R30 120-R20 200-R30 310-R05 130-R05 210-R05 320-R10 160-R05 250-R05 320-R20 160-R10 250-R10 320-R30		LNCS  1907-C1.5-WC 1907-R3.0-WC	LNE  324-R0.8 324-C1.0
LN(E)X-MF  100605PNR 100608PNR	LN(E)X-MF  151004PNR 151008PNR 151016PNR	LN(E)X-MM  100605PNR 100608PNR 100605PNL	LN(E)X-MM  151004PNR 151008PNR 151016PNR 151008PNL
LNEX-MA  100605PNR 151004PNR 151008PNR	LXET-MA  250404PEFR-32 250412PEFR-40 340504PEFR-63 2504PEFR-32 250416PEFR-40 3405PEFR-63 250412PEFR-32 340504PEFR-50 340512PEFR-63 250416PEFR-32 3405PEFR-50 340516PEFR-63 250404PEFR-40 340512PEFR-50 2504PEFR-40 340516PEFR-50		

Frezeleme Uçları

► Frezeleme

LXET-ML



250404PEER-32 340504PEER-50
2504PEER-32 3405PEER-50
250412PEER-32 340512PEER-50
250416PEER-32 340516PEER-50
250404PEER-40 340504PEER-63
2504PEER-40 340508PEER-63
250412PEER-40 340512PEER-63
250416PEER-40 340516PEER-63

MPMT



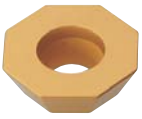
090308
120408

OFCN



0704SN
0704FN
070408SN
070408FN
070408TN

OFCW



05T3SN
05T3FN
05T308FN

OFKR-MA



0704FN
0704EN

OFKR-MF



0704SN
070408SN

OFKR-MM



0704SN
070408SN

OFKT-MA



05T3FN
05T3EN
0704FN
0704EN

OFKT-MF



05T3SN
05T308SN

OFKT-MM



05T3SN
05T308SN
0704SN

ONHX-MF



060608
080608
0606ANN
0806ANN

ONHX-ML



060608
080608

ONHX-MM



060608
080608
0606ANN
0806ANN

ONHX-MA



060608
080608

ONHX-W



060608
080608

ONMX-MF



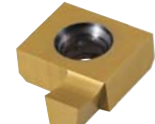
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0606ANN
0806ANN

ONMX-MM



060608
080608
0606ANN
0806ANN

ORG



265
325
405
470

PNEJ



1223N 1260N
1225N 1265N
1230N 1270N
1235N 1275N
1240N 1285N
1245N
1250N
1255N

PNEJ-C



1223N-C03 1255N-C05
1230N-C03 1260N-C05
1235N-C03 1265N-C05
1240N-C05 1270N-C05
1245N-C05 1275N-C05
1250N-C05

RC



16
20
25
30
32

RDCT-MA



10T3M0
1204M0

RDHW



0501M0F 0702M0F
0501M0E 0702M0E
0501M0S 0702M0S
06T1M0F 0803M0F
06T1M0E 0803M0E
06T1M0S 0803M0S

Frezeleme Uçları

► Frezeleme

RDHW



1605M0F
1605M0E
1605M0S
2006M0F
2006M0E
2006M0S

RDKT-MF



10T3M0
1204M0
1605M0

RDKT-ML



1605M0

RDKT-MM



10T3M0
1204M0
1605M0
2006M0

RDKW



0501M0E
06T1M0E
0702M0E
0803M0E

REKR-MM



170400

RPCT-MA



10T3M0
1204M0
1606M0
2007M0

RPET-ML



0803M0E
103TM0E
1204M0E
1606M0E
2007M0E

RPMT-MF



0803M0E
10T3M0E
1204M0E
1606M0E
2007M0E

RPMT-MM



0803M0S
10T3M0S
1204M0S
1606M0S
2007M0S

RPMW



0803M0E1
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1204M0S2
1606M0S1
2007M0S1

SDCN

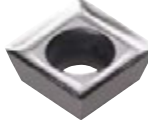


42R
42L
53R
53L
42M
42M-G
42MT
42MT-RH

42MT-S20
53M
53M-G
53MT
53MT-RH
53MT-S20
1203AEEN
1203AEEN-RH

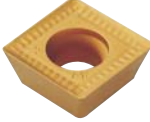
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1203AESN-RH
1504AEEN
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1504AESN
1504AESN-RH

SDET-MA



09M402R
09M404R
09M405R
130504R

SDET-MF



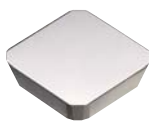
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130508R

SDET-MM



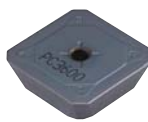
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130508R

SDKN-CM



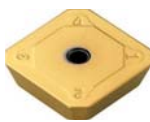
42MT

SDKN-MU



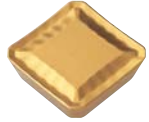
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SDKN-SU



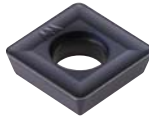
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1504AESN

SDKR-MX



1203AESN
1203AETN
1203AEN
1504AESN
1504AETN
1504AEN

SDMT-MM



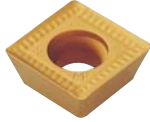
090308

SDXT-MA



09M405R
130508R

SDXT-MF



09M403R
09M403L
09M404R
09M404L
09M405R
09M405L
130508R

Frezeleme Uçları

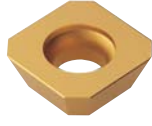
► Frezeleme

SDXT-MM



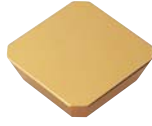
09M405R
09M405L
130508R
130508L
130538

SECA



1204AFSN
1204AFTN
1204AFFN
1204AFEN
1504AFSN
1504AFTN
1504AFFN

SECN



1203AFFN
1203AFTN
1203AFEN
1203AFSN
1203AFEN-RH
1203AFSN-RH
1203AFTN-S20
1504AFFN
1504AFTN
1504AFEN
1504AFSN
1504AFEN-RH
1504AFSN-RH
1504AFTN-S20

SEET-MA



0903AGFN
14M4AGFN

SEET-MF



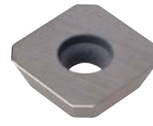
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SEET-MM



0903AGSN
14M4AGSN

SEEW



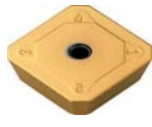
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SEEW-W



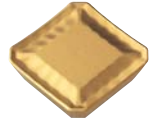
14M4AGFN
14M4AGSN
14M4AGTN

SEKN-SU



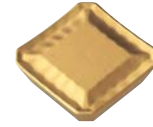
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SEKR-MF1



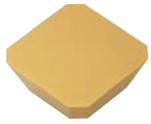
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SEKR-MX



1203AFSN
1204AFSN
1504AFSN

SEMN



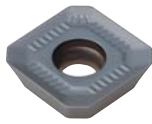
1204AZ

SEXT-MF



0903AGSN
14M4AGSN

SEXT-MM



0903AGSN
14M4AGSN

SEXT-MR



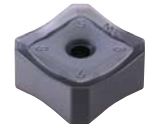
0903AGSN
14M4AGSN

SFCN



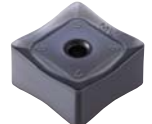
1203EFR

SNCF-MF



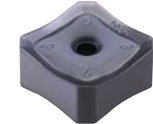
1206ANN
1206ENN
1206QNN
1507ANN
1507ENN

SNMF-MF



1206ANN
1206ENN
1206QNN
1507ANN
1507ENN

SNCF-MM



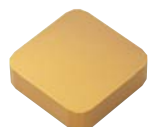
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1507ENN

SNMF-MM



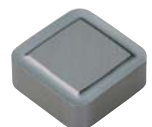
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1206ENN
1206QNN
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1507ENN

SNCN



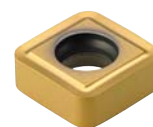
1204ENN
1504ENN

SNEF



435
535

SNEU-MF



120420

Frezeleme Uçları

► Frezeleme

SNEU-MF

1204ANN



SNEU-TBW

1204



SNEU-WMF

1204R



SNEX

101010
1010ZNN



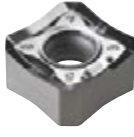
SNEX-CU1

101010
1010ZNN
121212
1212ZNN



SNEX-MA

1206ANN
1206ENN
1206QNN
120612



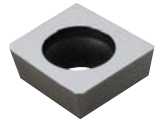
SNEX-ML

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1206ENN
1206QNN
120612
1507ANN
1507ENN



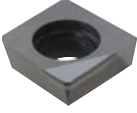
SNEW

09T3ADFR



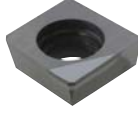
SNEW-NAF

09T3ADTR-NAF
09T3ADTR-NAW



SNEW-XAF

09T3ADTR-XAF
09T3ADTR-XAW



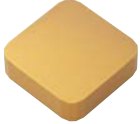
SNHT-WX

1102308R/L
110308R/L
120308R/L
1203508R/L
120408R/L
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120508R/L
1205408R/L
120608R/L
1206508R/L
120708R/L
1207508R/L



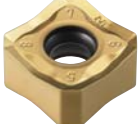
SNKN

1204ENN
1504ENN



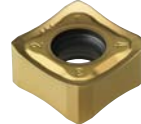
SNM(E)X-MF

1206ANN
1507ANN



SNM(E)X-MF

1206ENN
1507ENN



SNM(E)X-MF

1206QNN
120612



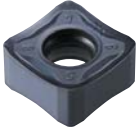
SNM(E)X-MM

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SNM(E)X-MM

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1507ENN



SNM(E)X-MM

11206QNN
120612



SNEX-W

1206ANN



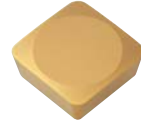
SPCN

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1203EDL
1203EDR-G
1203EDR-RN
1203EDR-RH
1203EDSR-RH
1203EDTR-RH
1203EDR-S20
1204EDR
150412T
1504EDR
1504EDR-RH
1504EDSR
1504EDL
1504EDR-G
1504EDR-RN
1504EDR-RH
1504EDR-S20
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SPEN-WC

120416
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150416
150420
190424



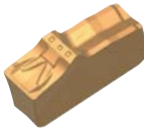
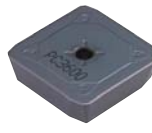
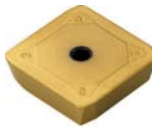
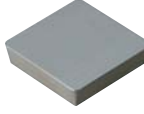
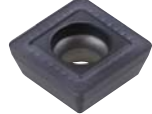
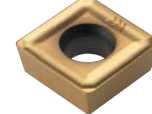
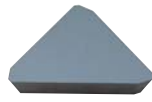
SPEX

1203EDR-1
1203EDL-1
1504EDR-1
1504EDL-1



Frezeleme Uçları

► Frezeleme

SPFN  200-N 300-N 400-N	SPKN-MU  1203EDSR 1504EDSR	SPKN-SU  1203EDSR 1203EDSL 1504EDSR 1504EDSL	SPKR-MX  1203EDSR 1203EDSL 1504EDR 1504EDSR
SPMN  120308	SPMT  060304	SPMT-KC  110408	SPMT-MM  120408-MM 120508-MMN
TEC(E)N  TECN 22R 22TR 32R 32R-G 32TR 32TR-S20 43R-G 43TR-Z 43TR TEEN 32TR	TEEN  43R-Z 43TR-Z 43TR-ZH 43R 43R-G 43TR 43TR-S20	TFCN  2203PFR 2203PFL	TNMX-NM  2710AZNR 2710AZNL
TPCN  1103PPN 1103PPTN 1603PDR 1603PPN 1603PPR 1603PPR-RH 1603PPR-G 1603PPSR 1603PPTN 1603PPTR 1603PPR-RH 1603PDR-S20 1603PDR-RN 2204PDR 2204PDR-RH 2204PDR-RN 2204PDR-G 2204PDL 2204PDSR 2204PDTR 2204PPN 2204PPTN 2204PDR-RH 2204PDER-RH 2204PDSR-RH 2204PDR-S20	TPKN-MU  2204PDSR	TPKN-SU  1603PDSL 1603PDSR 2204PDSL 2204PDSR	
TPKR-MX  1603PDSN 1603PDSR 1603PPR 1603PPSN 1603PPSR 2204PDR 2204PDSR 2204PPR	TWX-KC  16R 22R	VCKT-MA  220530N	VDKT-MA  11T210N 11T220N
WDKT-MH  080316ZDSR 10T320ZDSR 130520ZDSR 150625ZDSR	WNMX-MM  060312ZNN 09T316ZNN 130520ZNN 160720ZNN	WNMX-MF  060312ZNN 09T316ZNN 130520ZNN 160720ZNN	XCET-KC  310404ER

Frezeleme Uçları/Delik Delme Uçları

► Frezeleme

XEKT-MA



19M504FR 19M532FR 250620FR
19M508FR 19M540FR 250630FR
19M512FR 19M550FR 250632FR
19M516FR 250604FR 250640FR
19M518FR 250608FR 250650FR
19M520FR 250612FR
19M530FR 250616FR

XNCT-MA



080504PNFR
080508PNFR
080512PNFR
080520PNFR
120608PNFR

XNKT-ML



060405PNER
080504PNER
080508PNER
080512PNER
080516PNER
080520PNER
120608PNER
120612PNER
120616PNER
120620PNER

XNKT-MM



060405PNSR
080504PNSR
080508PNSR
080512PNSR
080516PNSR
080520PNSR
120608PNSR
120612PNSR
120616PNSR
120620PNSR

XPMT-MM



0802ER
1003ER
13T3ER
1604ER
1805ER
2006ER
2507ER

ZDMT-R-MM



080310R
110312.5R
130416R

ZPET-MM



080M 140M
090M 150M
100M 160M
110M 200M
125M 250M
130M

ZPET-MM



(dış)

080S 140S
090S 150S
100S 160S
110S 200S
125S 250S
130S

ZPMT-MM



1504PPSR-MM
1505PPSR-MMN

ZPMT-R-MM



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160525R
160531.5R

ZPMT-R-MR



160525R

► Delik Delme

SPET-ND



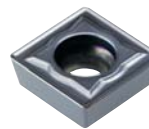
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180510

SPMT-DF



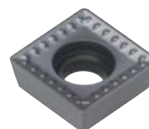
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SPMT-DM



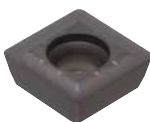
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SPMT-DS



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070204

SPMT-LD



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090308
11T308
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15M510
180510

SPMT-PD



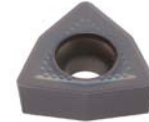
040204
050204
060205
07T208
090308
11T308
130410
15M510
180510

WCKT-C21



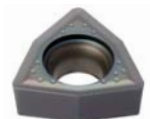
030204
040204
050308
06T308
080408

WCMT-C20N



030208
040208
050308
06T308
080408
080412

WCMT-C21N



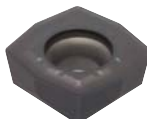
030204
040204
040208
050308
06T308
080408

XOET-ND



040204
050204
060204
07T205
090305
11T306
130406
15M508
180508

XOMT-LD



060204
07T205
090305
11T306
130406
15M508
180508

XOMT-PD



040204
050204
060204
07T205
090305
11T306
130406
15M508
180508

XOMT-RD



07T207
090308
11T309
130410
15M511
180512

Alüminyum İşleme Uçları

► Tornalama

CCGT-AK/AR



AK 060202
060204
060208
09T302
09T304
09T308
120402
120404
120408



AR 060202
060204
060208
09T302
09T304
09T308
120402
120404
120408
120412

DCGT-AK/AR



AK 070202
070204
070208
11T302
11T304
11T308
11T312



RCGT-AK/AR



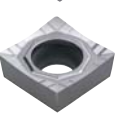
AK 0602M0
0803M0
1003M0
10T3M
1204M0



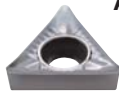
SCGT-AK/AR



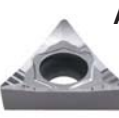
AK 09T302
09T304
09T308
120404
120408
120416



TCGT-AK/AR



AK 090202
090204
110202
110204
110208
16T302
16T304
16T308
16T312
16T316
16T325



VBGT-AK/AR



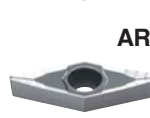
AK 110302
110304
110308
160402
160404
160408
160412



VCGT-AK/AR



AK 110301 160402
110302 160404
110304 160408
110308 160412
130302 220516
130304 220525
130308 220530



► Kanal Açma

KGGN-A



200-02
300-02
400-04
500-04
600-04

KRGN-A



300
400
500
600
800

MGGN-A



300-02 400-08
300-04 500-02
300-08 500-04
400-02 500-08
400-04

MRGN-A



400
500
600
800

MRGN-A



6N
8N

MRGN-A5



6N
8N

MRGN-AM



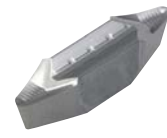
6N
8N

MRGN-AP



6N
8N

MVGN



8N-A-R1.2
8N-A-R1.6

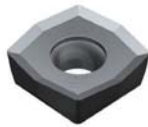
► Delik Delme

SPET-ND



040204
050204
060205
07T208
090308
11T308
130410
15M510
180510

XOET-ND



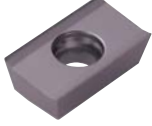
040204
050204
060204
07T205
090305
11T306
130406
15M508
180508

Alüminyum İşleme Uçları

► Frezeleme

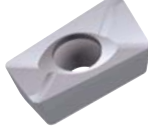
APKT-MA

1604PDFR



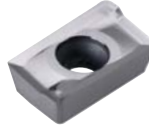
APKT-MA2

1604PDFR
160416FR
160432FR



APKT-MA3

1604PDFR
160420FR



APMT-MA

0602PDFR
060208PDFR
0903PDFR
090308PDFR
11T3PDFR
11T308PDFR



160404PDFR
1604PDFR
180604PDFR
1806PDFR
180612PDFR
180616PDFR

180620PDFR
180624PDFR
180630R

CDEW-XCF

1204R/L



LNEX-MA

100605PNR
151004PNR
151008PNR



LXET-MA

250404PEFR-32
2504PEFR-32
250412PEFR-32
250416PEFR-32
250404PEFR-40
2504PEFR-40



250412PEFR-40
250416PEFR-40
340504PEFR-50
3405PEFR-50
340512PEFR-50
340516PEFR-50

340504PEFR-63
3405PEFR-63
340512PEFR-63
340516PEFR-63

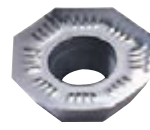
OFKR-MA

0704FN
0704EN



OFKT-MA

05T3FN
05T3EN
0704FN
0704EN



ONHX-MA

060608
080608



RDCT-MA

10T3M0



RPCT-MA

1204M0
10T3M0
1204M0
1606M0
2007M0



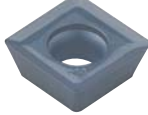
SDET-MA

09M402R
09M404R
09M405R
130504R



SDXT-MA

09M405R
130508R



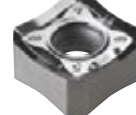
SEET-MA

0903AGFN
14M4AGFN



SNEX-MA

1206ANN
1206ENN
1206QNN
120612



VCKT-MA

220530N



VDKT-MA

11T210N
11T220N



XEKT-MA

19M504FR
19M508FR
19M512FR
19M516FR
19M518FR
19M520FR
19M530FR



19M532FR
19M540FR
19M550FR
250604FR
250608FR
250612FR
250616FR

250620FR
250630FR
250632FR
250640FR
250650FR

XNCT-MA

080504PNFR
080508PNFR
080512PNFR
080520PNFR
120608PNFR



Çok Amaçlı Takımlar Uçları

► KGT

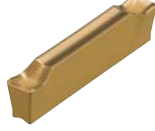
KGMMN-L



kater
KGEHR/L
KGEVR/L
KGFVR/L
KGFHR/L
KGIVR/L

· genişlik : 2.0~6.0mm

KGMMN-R



kater
KGEHR/L
KGEVR/L
KGFVR/L
KGFHR/L
KGIVR/L

· genişlik : 1.5~8.0mm

KGMMN-T



kater
KGEHR/L
KGEVR/L
KGFVR/L
KGFHR/L
KGIVR/L

· genişlik : 1.5~8.0mm

KRMN-C



kater
KGEHR/L
KGEVR/L
KGEUR/L
KGFVR/L
KGFHR/L
KGIUR/L

· genişlik : 2.0~8.0mm

KGMI-T



kater
KGIVR/L

· genişlik : 2.0~4.0mm

KGMR-LP



kater
KGEHR/L

· genişlik : 2.0~5.0mm

KGMR-RP



kater
KGEHR/L

· genişlik : 2.0~5.0mm

KGML-LP



kater
KGEHR/L

· genişlik : 2.0~4.0mm

KGML-RP



kater
KGEHR/L

· genişlik : 2.0~4.0mm

KGGN-B



kater
KGEHR/L
KGEVR/L
KGFVR/L
KGFHR/L

· genişlik : 2.65~8.0mm

KGGN-R



kater
KGEHR/L
KGEVR/L
KGFVR/L
KGFHR/L

· genişlik : 2.0~8.0mm

KGGN-R (Tekli tip)



kater
KGTB

· genişlik : 2.0~8.0mm

KGGN-A



kater
KGEHR/L
KGEVR/L
KGFVR/L
KGFHR/L

· genişlik : 2.0~6.0mm

KRGN-A



kater
KGEHR/L
KGEVR/L
KGEUR/L
KGFVR/L
KGFHR/L
KGIUR/L

· genişlik : 3.0~8.0mm

► Mikro Delik İşleme Takımları

NFTF, NFTG, NFTT



kater : NFTIH
※ İç Kanal Açma, Dış Açma ve Kopya İşleme için

Çok Amaçlı Takımlar Uçları

► MGT

MFMN



kater
MGFHR/L
MGFVR/L

· genişlik : 3.0mm

MGGN-M



kater
MGEHR/L
MGEVR/L
MGIVR/L

· genişlik : 3.0~6.0mm

MGMN-G



kater
MGEHR/L
MGEVR/L
MGIVR/L
MGFHR/L
MGFVR/L

· genişlik : 1.5~6.0mm

MGMN-M



kater
MGEHR/L
MGEVR/L
MGIVR/L
MGFHR/L
MGFVR/L

· genişlik : 2.0~8.0mm

MGMN-L,R,T



kater
MGEHR/L
MGEVR/L
MGIVR/L
MGFHR/L
MGFVR/L

· genişlik : 2.0~5.0mm

MGGN-A



kater
MGEHR/L
MGEVR/L
MGIVR/L

· genişlik : 3.0~5.0mm

MGMR/L-PS



kater
MGEHR/L

· genişlik : 3.0~5.0mm

MGMR/L-PT



kater
MGEHR/L

· genişlik : 2.0~5.0mm

MRGN-A



kater
MGEHR/L
MGEUR/L
MGEVR/L
MGIVR/L
MGFVR/L

· genişlik : 4.0~5.0mm

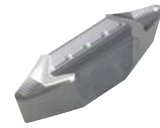
MRMN-M



kater
MGEHR/L
MGEUR/L
MGEVR/L
MGIVR/L
MGFVR/L

· genişlik : 2.0~8.0mm

MVGN



kater
MGEXR/L
MGIVR/L
L-MV

► Kesme

SP



· kater : SPB/SPB-S,
SPH/SPH-S

160 400L
180 500
200 500R
200R 500L
200L 600
300 600R
300R 600L
300L 400
400 400R

POB



kater
PH

· genişlik : 3.0~5.0mm

► Form Verme

BF

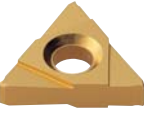
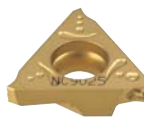


kater
GFT, GFIP

· genişlik : 3.1~8.1mm

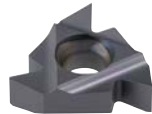
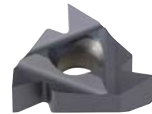
Çok Amaçlı Takımlar Uçları

► Kanal Açma

DB  kater DBH · genişlik : 3.0~8.0mm	DC  kater DBH · genişlik : 3.0~5.0mm	FGD/FGM/FMM  kater FGHH FGVH · genişlik : 3.0~5.0mm	GO  kater GH · genişlik : 2.5~4.1mm
GS  kater GH · genişlik : 1.23~4.28mm	GW  kater GFT GFIP · genişlik : 1.1~8.0mm	IG  kater IGH · genişlik : 1.25~2.8mm	GR  kater GFT GFIK · genişlik : 2.0~8.0mm
TB  kater TBH · genişlik : 3000 tip 1.25~4.3mm 4000 tip 1.25~4.5mm	TB-M  kater TBH · genişlik : 4000 tip 1.5~4.5mm		

► Diş Açma

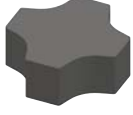
- V Profil 60°
- V Profil 55°
- ISO Metrik(Tam Profil)
- Amerikan UN(Tam Profil) UN, UNC, UNF, UNEF
- Whitworth(Tam Profil) BSW, BSF, BSP
- İngiliz Standart Boru dişi(Tam Profil) BSPT
- MB Boru Dişi(Tam Profil) NPT
- MB Boru Dişi-Sızdırmaz(Tam Profil) NPTF
- Dairesel DIN 405
- Trapez DIN 103
- Amerikan ACME
- Stub ACME
- UNJ
- Amerikan Özel boru birleştirme metodu
- İngiliz Özel boru birleştirme metodu
- Metrik Özel boru birleştirme metodu-Sagengewinde
- API
- API Özel boru birleştirme metodu
- API Dairesel özel boru birleştirme metodu
- EL-Extreme Line özel boru birleştirme metodu

ER  · kater : ER(L)H/ER(L)H-C	ERM  · kater : ER(L)H/ER(L)H-C	ERM-U  · kater : ER(L)H/ER(L)H-C
IR  · kater : IR(L)H/IR(L)H-C	IRM  · kater : IR(L)H/IR(L)H-C	IRM-U  · kater : IR(L)H/IR(L)H-C

Rulman Uçları

► R- Pah Kırma

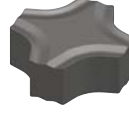
MC



· kater : CMSN...F
CMSN...B

0906
0910
1206
1210
1212
1215
1220
1225
1525
1530
1540

MC-BR



· kater : CMSN...F
CMSN...B

1206
1210
1212
1215
1220
1230
1235

► İç Tornalama

RPGT



· kater : SRGP...E
SRGP...F
SRGP...B

0802M0
1203M0
1604M0
2004M0

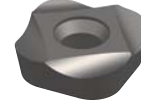
SPGR



· kater : CSKP...B

120440L

SPGH

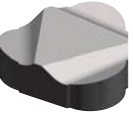


· kater : SSKP...B

090330L

► Yuvarlanma Yolu İşleme

KORIC



· kater : CKFN...RW
CKGN...RW

2204R/L
2704R/L
3306R/L
3806R/L
4408R/L

SNGN-W

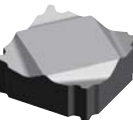


· kater : CSGN...RW

0903WR/L
1504WR/L
1905WR/L

► Rulman Kapağı İşleme

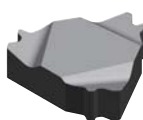
SNGN-S



· kater : CSBN...BS
CSKN...BS

0903SR/L
1204SR/L
1504SR/L

TNGN



· kater : STGN...BS

2204SR/L

SP



· kater : SPB-S

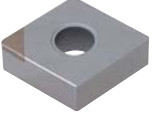
160 400R
180 400L
200 500
200R 500R
200L 500L
300 600
300R 600R
300L 600L
400

cBN Uçlar

► Tekrar Bilenebilir Tip(Negatif/Pozitif)

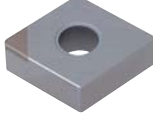
CNMA

120404
120408



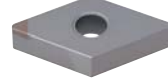
T-CNMA

120408



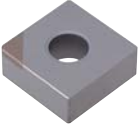
DNMA

150404
150408



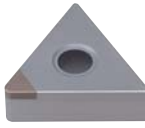
SNMA

120404
120408



TNMA

160404
160408



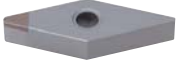
VNMA

160404
160408



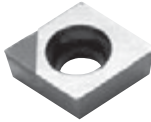
T-VNMA

160404



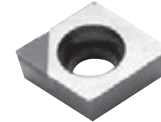
CCMW

09T304



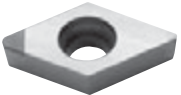
CPMW

09T304



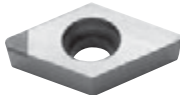
DCGW

11T308



T-DCGW

11T308



TPGB

110304
110308



VBMW

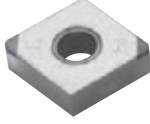
160404
160408



cBN Uçlar

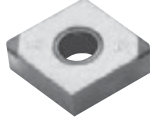
► Çok Köşeli Tip(Negatif/Pozitif)

2NU-CNGA



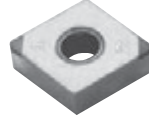
120404 120408WF
120404F 120408WT
120404T 120412
120404W 120412F
120404WF 120412T
120408 120412W
120408F 120412WF
120408T 120412WT
120408W

T-2NU-CNGA



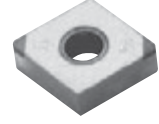
120408

2NU-CNMA



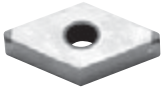
120404
120408

2NS-CNGA



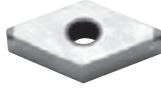
120408

2NU-DNGA



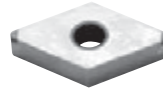
150404
150404F
150404T
150408
150408F
150408T
150412
150412F
150412T
150608

T-2NU-DNGA



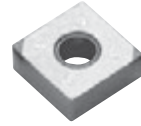
150412

2NS-DNGA



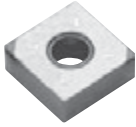
150408

4NU-SNGA



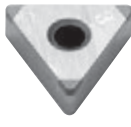
120404
120404F
120404T
120408
120408F
120408T
120412

2NS-SNGA



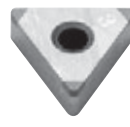
120408

3NU-TNGA



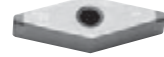
160404
160404F
160404T
160408
160408F
160408T
160412

2NS-TNGA



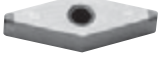
160408

2NU-VNGA



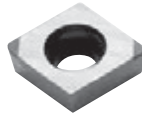
160404
160404F
160404T
160408
160408F
160408T

2NS-VNGA



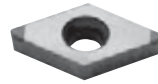
160408

2NU-CCGW



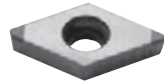
060202 09T304
060202F 09T304F
060202T 09T304T
060204 09T308
060204F 09T308F
060204T 09T308T
060208 09T308W
060208F 09T308WF
060208T

2NU-DCGW



070204 11T304
070204F 11T304F
070204T 11T304T
070208 11T308
070208F 11T308F
070208T 11T308T

T-2NU-DCGW



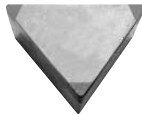
11T304

3NU-TCGW



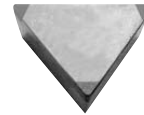
090204
090204F
090204T

3NU-TPGB



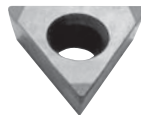
110304
110304F
110304T
110308
110308F
110308T

3NU-TPGN



110304
110304F
110304T
110308
110308F
110308T
160304
160308

3NU-TPGW



110304
110304F
110304T
110308
110308F
110308T

2NU-VBGW



160404
160404F
160404T
160408
160408F
160408T

2NU-VCGW



160404
160404F
160404T
160408
160408F
160408T

PCD Uçlar

► PCD Uçlar(Negatif/Pozitif)

BAMPR-XAF

BAMPR



BAMPR-XAW

BAMPR



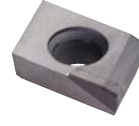
BAMPR-XAWR

BAMPR



CDEW-NAF

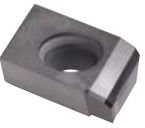
1204R/L



(Güçlendirilmiş Kenar)

CDEW-NAW

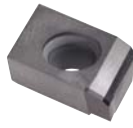
1204R/L



(Güçlendirilmiş Kenarlı Silici Uç)

CDEW-XAW

1204R/L



(Güçlendirilmiş Kenarlı Silici Uç)

CDEW-XAF

1204R/L



(Güçlendirilmiş Kenar)

CDEW-XCF

1204R/L



(Güçlendirilmiş Kenar)

CNMM/CNMX

120404
120408
120412



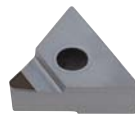
DNMM/DNMX

150404
150408
150412



TNMX

160404
160408
160412



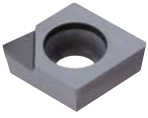
VNMX

160404
160408
160412



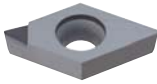
CCMT/CPMT

CCMT CPMT
060202 080204
060204 080208
060208 080212
09T304 090304
09T308 090308
09T312 090312



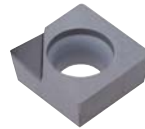
DCMT

070202
070204
070208
11T302
11T304
11T308



SCMT/SPGW

SCMT SPGW
09T304 090302
09T308 090304
09T312 090308



TBGW/TCMT/TPGB/TPGW/TPGT

TBGW TCMT TPGB TPGW TPGT
060102 090201 080204 080202 110302
060104 090202 080208 080204 110304
090204 090204 090208
110201 090208 090208
110202 110304 110302
110204 110308 110304
110308
160404
160408



VBMT/VCMT

VBMT VCMT
110302 110302
110304 110304
110308 110308
160402 160404
160404 160408
160408 160412
160412



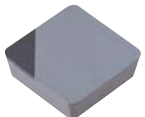
TPGN

090204
090208
110302
110304
110308
160302
160304
160308



SPGN

090304
090308
120304
120308



Tornalama Takımları

KORLOY tutucu takımları, mükemmel dayanıklılık ve güçlü sıkıştırma kullanarak işleme kalitesini ve takım ömrünü artırmaya katkıda bulunur. KORLOY, her işleme rotası için uygun çeşitli tutucu şekillerine olan müşteri taleplerine cevap verir.

Katerler(ISO Tipi)

Delik İşleme Katerleri(ISO Tipi)

Save turn(Ekonomik Tornalama)

Otomatik Takımlar

Çok Fonksiyonlu Takımlar(Tutucular)

Katerler(ISO Tipi)

► Double Clamp System

DCBNR/L



2020-K12
2525-M12
3225-P12
2525-M16
3232-P16
3232-P19
4040-S19

DCKNR/L



2020-K12
2525-M12
3225-P12
3232-P16
4040-S16

DCLNR/L



2020-K09 3225-P16
2525-M09 3232-P16
2020-K12 2525-M19
2525-M12 3225-P19
3225-P12 3232-P19
3232-P12 4040-S19
2525-M16

DDJNR/L



2020-K11
2525-M11
3225-P11
3232-P11
2020-K15
2525-M15
3225-P15
3232-P15
2020-K15-3
2525-M15-3
3232-P15-3

DSBNR/L



2020-K09
2525-M09
2020-K12
2525-M12
3225-P12
3232-P12
2525-M15
3225-P15
3232-P15
3232-P19
4040-S19

DSDNN



2020-K09
2020-K12
2525-M12
3225-P12
3232-P12
2525-M15
3232-P15
3232-P19
4040-S19

DSKNR/L



2020-K09
2020-K12
2525-M12
3232-P12
3232-P15
3232-P19
4040-S19

DSSNR/L



2020-K09
2020-K12
2525-M12
3225-P12
3232-P12
2525-M15
3232-P15
3232-P19
4040-S19

DTFNR/L



2020-K16
2525-M16
3232-P16
2525-M22
3225-P22
3232-P22

DTGNR/L



2020-K16
2525-M16
3232-P16
2525-M22
3225-P22
3232-P22

DVJNR/L



2020-K16
2525-M16
3232-P16

DVVNN



2020-K16
2525-M16
3232-P16

DWLNRL



2020-K06
2525-M06
2020-K08
2525-M08

Katerler(ISO Tipi)

► Levveli Bağlama Sistemi

PCBNR/L



yeni tip		
2020-K12N	3225-P12N	3232-P16N
2525-M12N	2525-M16N	
2020-K12	3232-P16	4040-S25-5
2525-M12	3232-P19	5050-T25
3225-P12	4040-S19	
2525-M16	4040-S25	

PCKNR/L



yeni tip		
2020-K12N	3225-P12N	4040-S16N
2525-M12N	3232-P16N	
2020-K12	3225-P12	4040-S16
2525-M12	3232-P16	

PCLNR/L



yeni tip		
1616-H09N	2020-K12N	2525-M16N
2020-K09N	2525-M12N	3232-P16N
2525-M09N	3225-P12N	
1616-H12N	3232-P12N	
1616-H09	3232-P12	4040-S19
2020-K09	2525-M16	4040-S25
2525-M09	3232-P16	5050-T25
1616-H12	2525-M19	4040-S25-5
2020-K12	3225-P19	5050-S25-5
2525-M12	3232-P19	
3225-P12	4040-P19	

PDJNR/L



yeni tip		
1616-H11N	2525-M15N	2525-M15-3N
2020-K11N	3225-P15N	3232-P15-3N
2525-M11N	3232-P15N	
2020-K15N	2020-K15-3N	
1616-H11	2525-M15	2525-M15-3
2020-K11	3225-P15	3232-P15-3
2525-M11	3232-P15	
2020-K15	2020-K15-3	

PDNNR/L



yeni tip		
2020-K15N	3232-P15N	2525-M15-3N
2525-M15N	4025-M15	3232-P15-3N
2020-K15	3232-P15	4025-M15-3
2525-M15	2525-M15-3	

PRDCN



2020-M10	3225-Q12	3232-Q20
2525-M10	2525-Q16	4040-S25
2525-M12	3225-Q16	4040-T25
2020-K12	3232-Q16	5050-U32

PRGCR/L



2020-K10	2525-M12	3225-P16
2525-M10	3225-P12	3232-P20
2020-K12	2525-M16	4040-S25

PSBNR/L



yeni tip		
1616-H09N	2525-M12N	2525-M15N
2020-K09N	3225-P12N	3232-P15N
2020-K12N	3232-P12N	
1616-H09	3232-P12	4040-S25
2020-K09	2525-M15	4040-S25-6
2020-K12	3232-P15	5050-T25
2525-M12	3232-P19	
3225-P12	4040-S19	

PSDNN



yeni tip		
1616-H09N	3225-P12N	3232-P15N
2020-K12N	3232-P12N	
2525-M12N	2525-M15N	
1616-H09	2525-M15	4040-S25
2020-K12	3232-P15	5050-T25
2525-M12	3225-P19	4040-S25-6
3225-P12	3232-P19	5050-T25-6
3232-P12	4040-S19	

PSKNR/L



yeni tip		
1616-H09N	2525-M12N	3232-P15N
2020-K09N	3232-P12N	
2020-K12N	2525-M15N	
1616-H09	3232-P12	4040-S19
2020-K09	2525-M15	4040-S25
2020-K12	3232-P15	4040-S25-6
2525-M12	3232-P19	5050-T25-6

Katerler(ISO Tipi)

► Levveli Bağlama Sistemi

PSSNR/L



Yeni tip

1616-H09N	3225-P12N	3232-P15N
2020-K12N	3232-P12N	
2525-M12N	2525-M15N	
1616-H09	2525-M15	4040-S19
2020-K12	3232-P15	4040-S25
2525-M12	3232-P19	4040-S25-6
3232-P12	4040-R19	

PTFNR/L



Yeni tip

1616-H16N	2525-M22N	4040-S27N
2020-K16N	3232-P22N	
2525-M16N	3232-P27N	
1616-H16	2525-M22	4040-S27
2020-K16	3232-P22	
2525-M16	3232-P27	

PTGNR/L



Yeni tip

1616-H16N	3232-P16N	3232-P27N
2020-K16N	2525-M22N	4040-S27N
2525-M16N	3232-P22N	
1212-F11	2020-K16	3232-P27
1616-H11	2525-M16	4040-S27
2020-K11	3232-P16	
2525-M11	2525-M22	
1616-H16	3232-P22	

PTTNR/L



Yeni tip

1616-H16N	2525-M16N
2020-K16N	2525-M22N
1616-H16	2525-M16
2020-K16	2525-M22

PWLNRL



Yeni tip

1616-H06N	2525-M06N	2525-M08N
2020-K06N	2020-K08N	
1616-H06	2525-M06	2525-M08
2020-K06	2020-K08	

► Baskı Parçalı Sistem

WTENN



2020-K16
2525-M16
2525-M22
3232-P22

WTJNR/L



2020-K16
2525-M16
3232-P16
2525-M22
3232-P22

WTXNR/L



2020-K16
2525-M16
3232-P16

WWLNR/L



2020-K08
2525-M08
3232-P08

Katerler(ISO Tipi)

► Üstten Baskılı Sistem

CKJNR



2020-K16
2525-M16
3225-M16
3225-P16
3232-P16
4040-R16

CKJNL



2020-K16
2525-M16
3232-P16
4040-R16

CKNNR/L



2525-M16
3232-P16

CSDPN



1616-H09
2525-M12

CSKPR/L



2525-M12

CTFPR/L



2020-K16
2525-M16

CTGPR/L



1212-F11
1616-H11
2020-K11
2020-K16
2525-M16
2525-M22
3232-P22

► Çok Kilitli Sistem

MCKNR/L



2020-K12
2525-M12
3232-P12

MCLNR/L



1616-H09 2525-M16
2020-K09 3232-P16
2525-M09 4040-S16
2020-K12 2525-M19
2525-M12 3232-P19
3225-P12 4040-S19
3232-P12 4040-S25

MCMNN



2020-K12
2525-M12
3232-P12
2525-M16
3232-P16
3232-P19
4040-S19

MCRNR/L



2020-K12
2525-M12
2525-M16
3232-P16
3232-P19
4040-S19

MDJNR/L



2020-K11
2525-M11
2020-K15-3
2525-M15-3
3232-P15-3
2020-K15
2525-M15
3232-P15

MDNNN



2525-M15-3
2525-M15

Katerler(ISO Tipi)

► Çok Kilitli Sistem

MDQNR/L



2525-M15-3
3232-P15-3
2525-M15
3232-M15

MSBNR/L



2020-K12
2525-M12
2525-M15
3232-P15
3232-P19
4040-S19

MSDNN



1616-H09
2020-K09
2020-K12
2525-M12
3225-P12
2525-M15
3225-P15
3232-P15
4040-S15
3232-P19
4040-S19

MSKNR/L



1616-H09
2020-K09
2020-K12
2525-M12
3225-P12
2525-M15
3232-P15
3232-P19
4040-S19
4040-S25

MSRNR/L



1616-H09
2020-K09
2020-K12
2525-M12
2525-M15
3232-P15
3225-P19
3232-P19
4040-S19
4040-S25

MSSNR/L



1616-H09
2020-K09
2020-K12
2525-M12
2525-M15
3232-P15
3232-P19
4040-S19

MTENN



2020-K16
2525-M16
2525-M22
3225-P27
4040-S33

MTFNR/L



1616-H16
2020-K16
2525-M16
2525-M22
3232-P22
4040-S22
3232-P27
4040-S27
4040-S33

MTGNR/L



1616-H16
2020-K16
2525-M16
2525-M22
3232-P22
3232-P27
4040-S27
4040-S33

MTJNR/L



2020-K16
2525-M16
2525-M22
3232-P22
3232-P27
4040-S27
4040-S33

MVJNR/L



2020-K16
2525-M16
3232-P16
2525-M22
3232-P22
4040-S22

MVQNR/L



2020-K16
2525-M16
3232-P16

MVVNN



2020-K16
2525-M16

MWLNR

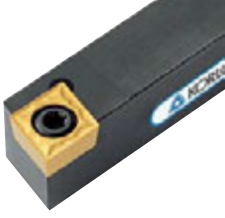


2020-K06
2525-M06
3232-P06
2020-K08
2525-M08
3232-P08

Katerler(ISO Tipi)

► Vidalı Sistem

SCACR/L



1010-E06
1212-F09

SCLCR/L



0808-D06
1010-E06
1212-F09
1616-H09
2020-K09
2020-K12
2525-M12

SDACR/L



1010-E07
1212-F11
1616-H11

SDJCR/L



1010-E07 1212-F11
1212-F07 1616-H11
1616-H07 2020-K11
2020-K07 2525-M11

SDNCN



1010-E07
1212-F07
1212-H11
1616-H11
2020-K11

SRDCN



1010-E06 2525-M08
1212-F06 1616-H10
1616-H06 2020-K10
2525-M06 2525-M10
1616-H08 2020-K12
2020-K08 2525-M12

SRGCR/L



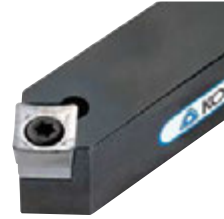
1010-E06 1616-H10
1212-F06 2020-K10
1616-H06 2525-M10
1616-H08 2020-K12
2020-K08 2525-M12
2525-M08

SSBCR/L



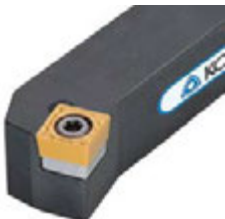
1212-F09
1616-H09
2020-K12

SSDCN



1212-F09
1616-H09

SSKCR/L



1616-H09

SSSCR/L



1616-H09
2020-K12
2525-M12

STACR/L



1010-E09
1212-F11

STFCR/L



1010-E09
1212-F11
1616-H11
1616-H16
2020-K16
2525-M16

STGCR/L



0808-D09
1010-E09
1212-F11
1616-H11
1616-H16
2020-K16
2525-M16

STTCR/L



1616-H11
1616-H16
2020-K16

Katerler(ISO Tipi)

► Vidalı Sistem

SVABR/L



1616-H16
2020-K16

SVHBR/L



2525-M16
3225-P16

SVJVR/L



1212-F11	2020-K16
1616-H11	2525-M16
2020-K11	3225-P16
1616-H16	3232-P16

SVJCR/L



1212-F11	2020-K13
1616-H11	1616-H16
2020-K11	2020-K16
1212-F13	2525-M16
1616-H13	

SVVBN



1212-F11	2020-K16
1616-H11	2525-M16
2020-K11	3225-P16
1616-H16	

SVVCN



1212-F11	2020-K13
1616-H11	1616-H16
2020-K11	2020-K16
1212-F13	2525-M16
1616-H13	

SWACR/L



1010-E04
1212-F04
1616-H06
2020-K08

Delik İşleme Katerleri(ISO Tipi)

► Çift Baskılı Sistem

DCLNR/L



A25R-DCLNR/L-09
A25R-DCLNR/L-12
A32S-DCLNR/L-12
A40T-DCLNR/L-12
A50U-DCLNR/L-16

DDUNR/L



A40T-DDUNR/L-15
A50U-DDUNR/L-15
A40T-DDUNR/L-15-3
A50U-DDUNR/L-15-3

DSKNR/L



A25R-DSKNR/L-09
A25R-DSKNR/L-12
A32S-DSKNR/L-12
A40T-DSKNR/L-12

DTFNR/L



A25R-DTFNR/L-16
A32S-DTFNR/L-16
A40T-DTFNR/L-22
A50U-DTFNR/L-22

DWLNR/L



A25R-DWLNR/L-06
A32S-DWLNR/L-06
A40T-DWLNR/L-06
A25R-DWLNR/L-08
A32S-DWLNR/L-08
A40T-DWLNR/L-08
A50U-DWLNR/L-08

► Levyele Bağlama Sistemi

PCLNR/L



yeni tip

S16R-PCLNR/L-09N	S32U-PCLNR/L-12N	A25R-PCLNR/L-09N
S20S-PCLNR/L-09N	S40T-PCLNR/L-12N	A25R-PCLNR/L-12N
S25R-PCLNR/L-09N	S50U-PCLNR/L-12N	A32S-PCLNR/L-12N
S25R-PCLNR/L-12N	S50U-PCLNR/L-19N	A40T-PCLNR/L-12N
S25T-PCLNR/L-12N	A16R-PCLNR/L-09N	A50U-PCLNR/L-12N
S32S-PCLNR/L-12N	A20S-PCLNR/L-09N	A50U-PCLNR/L-19N

S16R-PCLNR/L-09	S32S-PCLNR/L-12	A25R-PCLNR/L-12
S20S-PCLNR/L-09	S40T-PCLNR/L-12	A32S-PCLNR/L-12
S25R-PCLNR/L-09	S50U-PCLNR/L-12	A40T-PCLNR/L-12
S25R-PCLNR/L-12	S50U-PCLNR/L-19	

PDSNR/L



yeni tip

S32S-PDSNR/L-15N	A32S-PDSNR/L-15N
S40T-PDSNR/L-15N	A40T-PDSNR/L-15N
S32S-PDSNR/L-15-3N	A32S-PDSNR/L-15-3N
S40T-PDSNR/L-15-3N	A40T-PDSNR/L-15-3N

S32S-PDSNR/L-15	S40T-PDSNR/L-15-3
S40T-PDSNR/L-15	A32S-PDSNR/L-15
S32S-PDSNR/L-15-3	A32S-PDSNR/L-15-3

PDUNR/L



yeni tip

S20S-PDUNR/L-11N	S50U-PDUNR/L-15N	A32S-PDUNR/L-15N
S25R-PDUNR/L-11N	S32S-PDUNR/L-15-3N	A40T-PDUNR/L-15N
S32S-PDUNR/L-11N	S40T-PDUNR/L-15-3N	A50U-PDUNR/L-15N
S32S-PDUNR/L-15N	A20S-PDUNR/L-11N	A32S-PDUNR/L-15-3N
S32U-PDUNR/L-15N	A25R-PDUNR/L-11N	A40T-PDUNR/L-15-3N
S40T-PDUNR/L-15N	A32S-PDUNR/L-11N	

S20S-PDUNR/L-11	S40T-PDUNR/L-15	A32S-PDUNR/L-15
S25R-PDUNR/L-11	S50U-PDUNR/L-15	A32S-PDUNR/L-15-3
S32S-PDUNR/L-11	S32S-PDUNR/L-15-3	
S32S-PDUNR/L-15	S40T-PDUNR/L-15-3	

PSKNR/L



yeni tip

S25R-PSKNR/L-12N	A25R-PSKNR/L-12N
S32S-PSKNR/L-12N	A32S-PSKNR/L-12N
S40T-PSKNR/L-12N	A40T-PSKNR/L-12N

S25R-PSKNR/L-12	A25R-PSKNR/L-12
S32S-PSKNR/L-12	A32S-PSKNR/L-12
S40T-PSKNR/L-12	

PTFNR/L



yeni tip

S25R-PTFNR/L-16N	A25R-PTFNR/L-16N
S25T-PTFNR/L-16N	A32S-PTFNR/L-16N
S32S-PTFNR/L-16N	A40T-PTFNR/L-16N
S40T-PTFNR/L-16N	

S16R-PTFNR/L-11	S32S-PTFNR/L-16
S20S-PTFNR/L-11	S40T-PTFNR/L-16
S25R-PTFNR/L-11	A25R-PTFNR/L-16
S25R-PTFNR/L-16	A32S-PTFNR/L-16

PWLNR/L



yeni tip

S20S-PWLNR/L-06N	S25R-PWLNR/L-08N
S25R-PWLNR/L-06N	S32S-PWLNR/L-08N
S32S-PWLNR/L-06N	

S20S-PWLNR/L-06	S25R-PWLNR/L-08
S25R-PWLNR/L-06	S32S-PWLNR/L-08
S32S-PWLNR/L-06	

Delik İşleme Katerleri(ISO Tipi)

► Üstten Baskılı Sistem

CKUNR/L



S32S-CKUNR/L-16
S40T-CKUNR/L-16
S50U-CKUNR/L-16

CSKPR/L



S16R-CSKPR/L-09
S20S-CSKPR/L-09
S20S-CSKPR/L-12
S25R-CSKPR/L-12

CTFPR/L



S12M-CTFPR/L-11
S16R-CTFPR/L-11
S20S-CTFPR/L-11
S16R-CTFPR/L-16
S20S-CTFPR/L-16
S25R-CTFPR/L-16
S32S-CTFPR/L-16
S40T-CTFPR/L-16
S40T-CTFPR/L-22

► Çok Kilitli Sistem

MCLNR/L



S20S-MCLNR/L-09
S25R-MCLNR/L-09
S25R-MCLNR/L-12
S32S-MCLNR/L-12
S40T-MCLNR/L-12
A25R-MCLNR/L-12
A32S-MCLNR/L-12

MDUNR/L



S32S-MDUNR/L-15-3
S40T-MDUNR/L-15-3
A32S-MDUNR/L-15-3

MSKNR/L



S25R-MSKNR/L-12
S32S-MSKNR/L-12
S40T-MSKNR/L-12
A25R-MSKNR/L-12
A32S-MSKNR/L-12
A40T-MSKNR/L-12

MTFNR/L



S25R-MTFNR/L-16
S32S-MTFNR/L-16
S40T-MTFNR/L-16
A25R-MTFNR/L-16
A32S-MTFNR/L-16

MVUNR/L



S32S-MVUNR/L-16
S40T-MVUNR/L-16
A32S-MVUNR/L-16
A40T-MVUNR/L-16

MWLNRL



S25R-MWLNRL-06
S32S-MWLNRL-06
S40T-MWLNRL-06
S25R-MWLNRL-08
S32S-MWLNRL-08
S40T-MWLNRL-08
A25R-MWLNRL-06
A32S-MWLNRL-06
A25R-MWLNRL-08
A32S-MWLNRL-08

► Vidali Sistem

SCLCR/L



S08K-SCLCR/L-06
S10K-SCLCR/L-06
S10M-SCLCR/L-06
S12M-SCLCR/L-06
S16R-SCLCR/L-06
S12M-SCLCR/L-09
S16R-SCLCR/L-09
S20S-SCLCR/L-09
S25R-SCLCR/L-09
S25R-SCLCR/L-12
S32S-SCLCR/L-12
S40T-SCLCR/L-12
A08F-SCLCR/L-06
A10H-SCLCR/L-06
A12K-SCLCR/L-06
A12K-SCLCR/L-09
A16M-SCLCR/L-09
A20Q-SCLCR/L-09
A25R-SCLCR/L-09
A25R-SCLCR/L-12
A32S-SCLCR/L-12

SCLPR/L



S10M-SCLPR/L-08
S12M-SCLPR/L-08
S16N-SCLPR/L-09
S16R-SCLPR/L-09
S20N-SCLPR/L-09
S20S-SCLPR/L-09
A10H-SCLPR/L-08
A12K-SCLPR/L-08
A16M-SCLPR/L-09
A20Q-SCLPR/L-09

SDQCR/L



S10M-SDQCR/L-07
S12M-SDQCR/L-07
S16R-SDQCR/L-07
S16R-SDQCR/L-11
S20S-SDQCR/L-11
S25R-SDQCR/L-11
A10H-SDQCR/L-07
A12K-SDQCR/L-07
A16M-SDQCR/L-11
A20Q-SDQCR/L-11
A25R-SDQCR/L-11

SDUCR/L



S10M-SDUCR/L-07
S12M-SDUCR/L-07
S16R-SDUCR/L-07
S16R-SDUCR/L-11
S20S-SDUCR/L-11
S25R-SDUCR/L-11
S32S-SDUCR/L-11
A10H-SDUCR/L-07
A12K-SDUCR/L-07
A16M-SDUCR/L-07
A20Q-SDUCR/L-11
A25R-SDUCR/L-11

Delik İşleme Katerleri(ISO Tipi)

► Vidali Sistem

SDZCR/L



S16R-SDZCR/L-07
S20S-SDZCR/L-07
S25R-SDZCR/L-11
S32S-SDZCR/L-11
S40T-SDZCR/L-11
A25R-SDZCR/L-11
A32S-SDZCR/L-11

SSKCR/L



S12M-SSKCR/L-09
S16R-SSKCR/L-09
S20S-SSKCR/L-09
S25R-SSKCR/L-12
S32S-SSKCR/L-12
A12K-SSKCR/L-09
A16M-SSKCR/L-09
A20Q-SSKCR/L-09
A25R-SSKCR/L-12
A32S-SSKCR/L-12

SSKPR/L



S12M-SSKPR/L-09
S16N-SSKPR/L-09
S16R-SSKPR/L-09
S20N-SSKPR/L-09
S20S-SSKPR/L-09
A12K-SSKPR/L-09
A16M-SSKPR/L-09
A20Q-SSKPR/L-09

STFCR/L



S10M-STFCR/L-09
S12M-STFCR/L-09
S12M-STFCR/L-11
S16R-STFCR/L-11
S20S-STFCR/L-11
S20S-STFCR/L-16
S25R-STFCR/L-16
S32S-STFCR/L-16
S40T-STFCR/L-16
A10H-STFCR/L-09
A12K-STFCR/L-09
A12K-STFCR/L-11
A16M-STFCR/L-11
A20Q-STFCR/L-11
A25R-STFCR/L-16
A32S-STFCR/L-16

STFPR/L



S10M-STFPR/L-11
S12M-STFPR/L-11
S16N-STFPR/L-11
S16R-STFPR/L-11
S20N-STFPR/L-16
S20S-STFPR/L-16
A10H-STFPR/L-11
A12H-STFPR/L-11
A16M-STFPR/L-11
A20Q-STFPR/L-16

STWPR/L



S10M-STWPR/L-11
S12M-STWPR/L-11
S16R-STWPR/L-11
S20R-STWPR/L-11

SVJCR/L



S12M-SVJCR/L-08
S16Q-SVJCR/L-08

SVQBR/L



S32S-SVQBR/L-16
S40T-SVQBR/L-16
A32S-SVQBR/L-16

SVQCR/L



S16R-SVQCR/L-11
S20S-SVQCR/L-11
S25R-SVQCR/L-11
S20S-SVQCR/L-13
S25R-SVQCR/L-16
S32S-SVQCR/L-16
S40T-SVQCR/L-16

SVUBR/L



S32S-SVUBR/L-16
S40T-SVUBR/L-16
A32S-SVUBR/L-16

SVUCR/L



S16R-SVUCR/L-11
S20S-SVUCR/L-11
S25T-SVUCR/L-11
S20S-SVUCR/L-13
S25R-SVUCR/L-13
S25R-SVUCR/L-16
S32S-SVUCR/L-16
S40T-SVUCR/L-16

SWLCR/L



S25R-SWLCR/L-08
S32S-SWLCR/L-08
A25R-SWLCR/L-08
A32S-SWLCR/L-08

► Yatak

SL



SL1603
SL1604
SL1605
SL1606
SL1607
SL2008
SL2010

Delik İşleme Katerleri(ISO Tipi)

► Karbür Şaftlı Delik Kateri

SCLCR/L



C04G-SCLCR/L-03	C12Q-SCLCR/L-09	E10M-SCLCR/L-06
C05H-SCLCR/L-03	C16R-SCLCR/L-09	E12M-SCLCR/L-06
C06H-SCLCR/L-04	C16S-SCLCR/L-09	E12Q-SCLCR/L-06
C07K-SCLCR/L-04	C20R-SCLCR/L-09	E12M-SCLCR/L-09
C08K-SCLCR/L-06	C20S-SCLCR/L-09	E12Q-SCLCR/L-09
C10K-SCLCR/L-06	C25T-SCLCR/L-12	E16R-SCLCR/L-09
C10M-SCLCR/L-06	E06H-SCLCR/L-04	E16S-SCLCR/L-09
C12M-SCLCR/L-06	E07K-SCLCR/L-04	E20R-SCLCR/L-09
C12Q-SCLCR/L-06	E08K-SCLCR/L-06	E20S-SCLCR/L-09
C12M-SCLCR/L-09	E10K-SCLCR/L-06	E25T-SCLCR/L-12

SCLPR/L



C10K-SCLPR/L-08	E10K-SCLPR/L-08
C10M-SCLPR/L-08	E10M-SCLPR/L-08
C12M-SCLPR/L-08	E12M-SCLPR/L-08
C12Q-SCLPR/L-08	E12Q-SCLPR/L-08
C12M-SCLPR/L-09	E12M-SCLPR/L-09
C12Q-SCLPR/L-09	E12Q-SCLPR/L-09
C16R-SCLPR/L-09	E16R-SCLPR/L-09
C16S-SCLPR/L-09	E16S-SCLPR/L-09
C20R-SCLPR/L-09	E20R-SCLPR/L-09
C20S-SCLPR/L-09	E20S-SCLPR/L-09

SDQCR/L



C08K-SDQCR/L-07	E08K-SDQCR/L-07
C10K-SDQCR/L-07	E10K-SDQCR/L-07
C12M-SDQCR/L-07	E12M-SDQCR/L-07
C16R-SDQCR/L-07	E16R-SDQCR/L-07
C16R-SDQCR/L-11	E16R-SDQCR/L-11
C20R-SDQCR/L-11	E20R-SDQCR/L-11
C20S-SDQCR/L-11	E20S-SDQCR/L-11

SDUCR/L



C10K-SDUCR/L-07	E10K-SDUCR/L-07
C10M-SDUCR/L-07	E10M-SDUCR/L-07
C12M-SDUCR/L-07	E12M-SDUCR/L-07
C12Q-SDUCR/L-07	E12Q-SDUCR/L-07
C16R-SDUCR/L-07	E16R-SDUCR/L-07
C16S-SDUCR/L-07	E16S-SDUCR/L-07
C16R-SDUCR/L-11	E16R-SDUCR/L-11
C16S-SDUCR/L-11	E16S-SDUCR/L-11
C20R-SDUCR/L-11	E20R-SDUCR/L-11
C20S-SDUCR/L-11	E20S-SDUCR/L-11
C25T-SDUCR/L-11	E25T-SDUCR/L-11

STFCR/L



C08K-STFCR/L-09	E08K-STFCR/L-09
C10K-STFCR/L-09	E10K-STFCR/L-09
C10K-STFCR/L-11	E10K-STFCR/L-11
C12M-STFCR/L-11	E12M-STFCR/L-11
C16R-STFCR/L-11	E16R-STFCR/L-11
C20R-STFCR/L-11	E20R-STFCR/L-11
C20S-STFCR/L-11	E20S-STFCR/L-11
C20R-STFCR/L-16	E20R-STFCR/L-16
C20S-STFCR/L-16	E20S-STFCR/L-16

STFPR/L



C08K-STFPR/L-08	E08K-STFPR/L-08
C10K-STFPR/L-11	E10K-STFPR/L-11
C10M-STFPR/L-11	E10M-STFPR/L-11
C12M-STFPR/L-11	E12M-STFPR/L-11
C12Q-STFPR/L-11	E12Q-STFPR/L-11
C16R-STFPR/L-11	E16R-STFPR/L-11
C16S-STFPR/L-11	E16S-STFPR/L-11
C20R-STFPR/L-11	E20R-STFPR/L-11
C20S-STFPR/L-11	E20S-STFPR/L-11
C20R-STFPR/L-16	E20R-STFPR/L-16
C20S-STFPR/L-16	E20S-STFPR/L-16
C25T-STFPR/L-16	E25T-STFPR/L-16

STUBR/L



C08K-STUBR/L-06	E08K-STUBR/L-06
C10K-STUBR/L-06	E10K-STUBR/L-06

STUPR/L



C08K-STUPR/L-08	E08K-STUPR/L-08
C10K-STUPR/L-11	E10K-STUPR/L-11
C10M-STUPR/L-11	E10M-STUPR/L-11
C12M-STUPR/L-11	E12M-STUPR/L-11
C12Q-STUPR/L-11	E12Q-STUPR/L-11
C16R-STUPR/L-11	E16R-STUPR/L-11
C16S-STUPR/L-11	E16S-STUPR/L-11
C20R-STUPR/L-11	E20R-STUPR/L-11
C20S-STUPR/L-11	E20S-STUPR/L-11
C20R-STUPR/L-16	E20R-STUPR/L-16
C20S-STUPR/L-16	E20S-STUPR/L-16
C25T-STUPR/L-16	E25T-STUPR/L-16

SWUBR/L



C05H-SWUBR/L-02	E06H-SWUBR/L-02
C06H-SWUBR/L-02	E08K-SWUBR/L-02
C08K-SWUBR/L-02	E08K-SWUBR/L-S3
C08K-SWUBR/L-S3	

Save Turn(Ekonomik Tornalama)

► Dış Çap Tornalama

PCLNR/L



1616-H09-4N
2020-K09-4N
2525-M09-4N

PCBNR/L



2020-K09-4N
2525-M09-4N

PDJNR/L



2020-K11-5N
2525-M11-5N

PDNNR/L



2020-K11-5N
2525-M11-5N

PDQNR/L



2020-K11-5N
2525-M11-5N

PSBNR/L



2020-K09-4N
2525-M09-4N

PSDNN



2020-K09-4N
2525-M09-4N

PSKNR/L



2020-K09-4N
2525-M09-4N

PSSNR/L



2020-K09-4N
2525-M09-4N

PWLNRL/L



1616-H06
2020-K06
2525-M06

► İç Çap Tornalama

PCLNR/L



S20Q-PCLNR/L-09-4N
S25R-PCLNR/L-09-4N
S32S-PCLNR/L-09-4N

PDUNR/L



S32S-PDUNR/L-11-5N
S40T-PDUNR/L-11-5N

PDZNR/L



S32S-PDZNR/L-11-5N
S40T-PDZNR/L-11-5N

PSKNR/L



S25R-PSKNR/L-09-4N
S32S-PSKNR/L-09-4N

PWLNRL/L



S20S-PWLNRL/L-06
S25S-PWLNRL/L-06
S32S-PWLNRL/L-06

Otomatik Takımlar

► Kesme ve Kanal Açma

SXGNR/L



- Uç : SG, SC
- 1010-X06A
- 1212-X06A
- 1616-X06A
- 2020-X06A
- 1212-X08A
- 1616-X08A
- 2020-X08A

KGEHR/L-D00A



- Uç : KGMN
- 1010-2-D20A
- 1212-2-D25A
- 1414-2-D25A
- 1616-2-D32A
- 1212-3-D25A
- 1616-3-D32A

SBHR/L



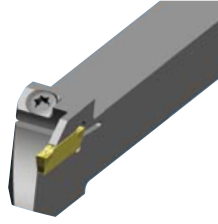
- Uç : SBG, SBC
- 1010-K25
- 1212-K25
- 1616-K25

SBHR/L-X



- Uç : SBG, SBC
- 1010-K25-X
- 1212-K25-X

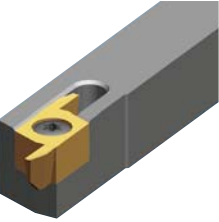
MGEHR/L-X00A



- Uç : MGMN
- 1010-X15A
- 1212-X15A
- 1010-X20A
- 1212-X20A
- 1616-X20A
- 1010-X25A
- 1212-X25A
- 1616-X25A

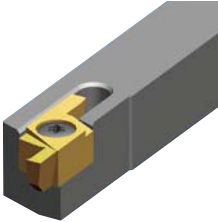
► Geri Tornalama

SXGNR/L



- Uç : SB
- 1010-X06A
- 1212-X06A
- 1616-X06A
- 2020-X06A
- 1212-X08A
- 1616-X08A
- 2020-X08A

SXGNR/L



- Uç : SGB
- 1010-X06A
- 1212-X06A
- 1616-X06A
- 2020-X06A
- 1212-X08A
- 1616-X08A
- 2020-X08A

SBHR/L



- Uç : SBB
- 1010-K25
- 1212-K25
- 1616-K25

► Diş Açma

SXGNR/L



- Uç : ST
- 1010-X06A
- 1212-X06A
- 1616-X06A
- 2020-X06A
- 1212-X08A
- 1616-X08A
- 2020-X08A

SBHR/L



- Uç : SBT
- 1010-K25
- 1212-K25
- 1616-K25

Otomatik Takımlar

► Dış Çap Tornalama

SDJCR/L



0808-X07A
1010-X07A
1010-X11A
1212-X11A
1616-X11A

SDNCN



0808-X07A
1010-X07A
1010-X11A
1212-X11A
1616-X11A

SVJBR/L



1010-X11A
1212-X11A
1616-X11A

SVJCR/L



1010-X11A
1212-X11A
1616-X11A

SCACR/L



0808-X06A
1010-X06A
1010-X09A
1212-X09A
1616-X09A

SCLCR/L



0808-X06A
1010-X06A
1010-X09A
1212-X09A
1616-X09A

STACR/L



0808-X08A
1010-X08A

► İç Çap Tornalama(Delik İşleme)

SCLCR/L



S10H-SCLCR/L-0305
S10H-SCLCR/L-0306
S10J-SCLCR/L-0407
S10J-SCLCR/L-0408

STUBR/L



S08K-STUBR/L-06
A08F-STUBR/L-06

STUPR/L



S08K-STUPR/L-08
A08F-STUPR/L-08

SWUBR/L



S05H-SWUBR/L-02
S08K-SWUBR/L-02
S08K-SWUBR/L-S3
A08F-SWUBR/L-02
A08F-SWUBR/L-S3

Çok Fonksiyonlu Takımlar(Katerler)

► KGT

KGEHR/L



1616-□-T□□
2020-□-T□□
2525-□-T□□
3232-□-T□□

• Uç
KGGN KRMN
KGMN KRGN
KGMR/L

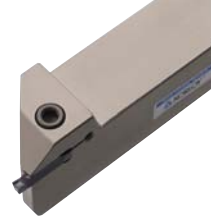
KGEHR/L-D00A



1010-□-□□□A
1212-□-□□□A
1414-□-□□□A
1616-□-□□□A

• Uç
KGGN KRMN
KGMN KRGN
KGMR/L

KGEHR/L-T00



1616-□-00
2020-□-00
2525-□-00

• Uç
KGMN KGGN
KRMN KRGN

KGEVR/L-T00



2020-□-T00
2525-□-T00
3232-□-T00

• Uç
KGMN KGGN
KRMN KRGN

KGEUR/L



1616-□
2020-□
2525-□
3232-□

• Uç
KRMN KRGN

KGFVR/L



425-□/□-T□□

• Uç
KGMN KGGN
KRMN KRGN

KGFHR/L



325-□/□-T□□
425-□/□-T□□
525-□/□-T□□
625-□/□-T□□

• Uç
KGMN KGGN
KRMN KRGN

KGIUR/L



3520-□
4025-□
5032-□

• Uç
KRMN KRGN

KGIVR/L



2016-□ 3225-□
2516-□ 4032-□
2520-□ 4540-□

• Uç
KGMI KGMN

KGTB(Blades)



1532 5032
2032 6032
3032 8032S
4032

• Uç
KG□□

► MGT

MGEHR/L



1212-□ 2525-□
1616-□ 2525-□-T□
2020-□ 3232-□
2020-□-T□ 3232-□-T□

• Uç
MGMN MRMN
MGMR MRGN
MGGN

MGEUR/L



2020-□
2525-□
3232-□

• Uç
MRMN MRGN

MGEVR/L



2020-□
2525-□
3232-□

• Uç
MGMN MRMN
MGGN MRGN

MGIUR/L



3520-□
4025-□
5032-□

• Uç
MRMN
MRGN

MGIVR/L



2016-□ 3125-□
2520-□ 3732-□
2925-□ 4540-□

• Uç
MGMN MGGN
MRMN MRGN

Çok Fonksiyonlu Takımlar(Katerler)

► MGT Kartuş

MCER/L(Kartuş)



3-T16
4-T16
5-T20
6-T20

• Uç
MGMN MGGN
MGMR MRMN

MCFR/L(Kartuş)



3-24/35-T16
3-29/40-T16
3-34/50-T16
3-44/70-T16
3-64/99-T16
4-44/60-T16
4-60/120-T16
4-112/200-T16

• Uç
MFNM MGMN

MCHR/L(Kater)



2020
2525
3232

MCVR/L(Kater)



2020
2525
3232

► Saw-Man

SMBB(Blok)



1626 2032 2532
2026 2526 3232

• Uç : SP

SPB(Lama)



226 232
326 332
426 432
526 532
626 632

• Uç : SP

SPB-S(Lama)



226-S 232-S
326-S 332-S
426-S 432-S
526-S 532-S
626-S 632-S

• Uç : SP

SPH(Kater)



316R/L 325R/L
320R/L 425R/L
420R/L 525R/L
520R/L

• Uç : SP

SPH-S(Kater)



316R/L-S 325R/L-S
320R/L-S 425R/L-S
420R/L-S 525R/L-S
520R/L-S

• Uç : SP

► İç Çap İşleme

GFIK



316R/L 525R/L
325R/L 540R/L
340R/L 840R/L

• Uç : GR

GFIP



316R/L 525R/L
320R/L 540R/L
325R/L 840R/L
340R/L

• Uç : BF, GW

IGH



214R/L 220R/L
216R/L

• Uç : IG

NFTIH



08206C 08512C 11412C 14116C 16312C 16416C
08212C 11208C 11512C 14212C 16312S 16516C
08312C 11212C 14012C 14216C 16412C
08312S 11312C 14016C 14312C 16512C
08412C 11312S 14112C 14316C 16316C

• Uç : NTF, NFFT, NFTG

Çok Fonksiyonlu Takımlar(Katerler)

► Dış Çap İşleme

DBH



320R/L 525R/L
325R/L 720R/L
520R/L 725R/L

• Uç : DB, DC

EH



620R
625R

• Uç : ESB

GFT



320R/L 525R/L
325R/L 825R/L

• Uç : GW, BF

GH



2020R/L-3
2025R/L-3
2020R/L-4
2525R/L-4

• Uç : GO, GS

TBH



320-23R/L 420-23R/L 510R/L
320-33R/L 420-33R/L 512R/L
320-43R/L 420-45R/L 516R/L
325-23R/L 425-23R/L 520R/L
325-33R/L 425-33R/L 525R/L
325-43R/L 425-45R/L

• Uç : TB

PH



320R/L 425R/L
325R/L 520R/L
420R/L 525R/L

• Uç : POB

► Alın Kanal Açma

FGHH(FGVH)



320R 425R
325R 520R
420R 525R

• Uç : FGD, FGM, FMM

MGFHR/L



325-24/35-T10 325-64/99-T10
325-29/40-T10 425-62/120-T15
325-34/50-T10 425-112/200-T15
325-44/70-T10

• Uç : MFMN, MGMN

MGFVR/L



325-24/35-T10 325-64/99-T10
325-29/40-T10 425-44/60-T10
325-34/50-T10 425-60/120-T10
325-44/70-T10 425-112/200-T10

• Uç : MFMN, MGMN

► Diş Açma

ER(L)H



• Vidalı Sistem
ER(L)H□□-□□

• Uç : ER, ERM

ER(L)H-C



• Üstten Baskılı Sistem
ER(L)H□□-□□C

• Uç : ER, ERM, ERM-U

IR(L)H



• Üstten Baskılı Sistem
IR(L)H□□-□□

• Uç : IR, IRM, IRM-U

IR(L)H-C



• Üstten Baskılı Sistem
IR(L)H□□-□□C

• Uç : IR, IRM, IRM-U

VTH



2020R
2525R
3225R

• Uç : VETR

Frezeleme Takımları

KORLOY gelişmiş teknolojisi ve takım sistemlerindeki bilgi birikimi ile, yüksek verimlilik ve kalite için değer yaratacak yüksek kaliteli freze takımları sunar.

Yüzey Frezeleme Takımları
Çok Fonksiyonlu Takımlar
Alüminyum Frezeleme Takımları
Yüksek İlerlemeli Freze Takımları
Kanal Frezeler

Yüzey Frezeleme Takımları

► Rich Mill Serisi

RM3PC(M) 3000/4000/5000



■ 3000 tip

: Ø40 - Ø80mm

• Uç

XNKT060405PNER-ML
XNKT060405PNSR-MM

■ 4000 tip

: Ø40 - Ø125mm

• Uç

XNCT080504PNFR-MA XNKT080512PNER-ML
XNCT080508PNFR-MA XNKT080512PNSR-MM
XNCT080512PNER-MA XNKT080516PNER-ML
XNCT080520PNFR-MA XNKT080516PNSR-MM
XNKT080508PNER-ML XNKT080520PNER-ML
XNKT080508PNSR-MM XNKT080520PNSR-MM

■ 5000 tip

: Ø80 - Ø125mm

• Uç

XNCT120608PNFR-MA XNKT120616PNSR-MM
XNKT120608PNSR-MM XNKT120616PNER-ML
XNKT120608PNER-ML XNKT120620PNSR-MM
XNKT120612PNSR-MM XNKT120620PNER-ML
XNKT120612PNER-ML

RM3PS 3000/4000



■ 3000 tip

: Ø20 - Ø40mm

• Uç

XNKT060405PNER-ML
XNKT060405PNSR-MM

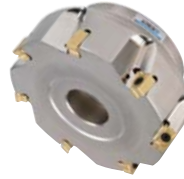
■ 4000 tip

: Ø32 - Ø63mm

• Uç

XNCT080504PNFR-MA
XNCT080508PNFR-MA
XNCT080512PNER-MA
XNCT080520PNFR-MA
XNKT080508PNER-ML
XNKT080508PNSR-MM
XNKT080512PNER-ML
XNKT080512PNSR-MM
XNKT080516PNER-ML
XNKT080516PNSR-MM
XNKT080520PNER-ML
XNKT080520PNSR-MM

RM4PC(M) 3000/4000



■ 3000 tip

: Ø40 - Ø100mm

• Uç

LNEX100605PNR-MF/MM
LNMX100605PNR-MF/MM
LNEX100608PNR-MF/MM
LNMX100608PNR-MF/MM
LNEX100605PNR-MA
LNEX100605PNL-MM
LNMX100605PNL-MM

■ 4000 tip

: Ø50 - Ø160mm

• Uç

LNEX151004PNR-MF/MM
LNMX151004PNR-MF/MM
LNEX151008PNR-MF/MM
LNMX151008PNR-MF/MM
LNEX151016PNR-MF/MM
LNMX151016PNR-MF/MM
LNEX151004PNR-MA
LNEX151008PNR-MA
LNEX151008PNL-MM
LNMX151008PNL-MM

RM4PS 3000/4000



■ 3000 tip

: Ø14 - Ø50mm

• Uç

LNEX100605PNR-MF/MM
LNMX100605PNR-MF/MM
LNEX100608PNR-MF/MM
LNMX100608PNR-MF/MM
LNEX100605PNR-MA
LNEX100605PNL-MM
LNMX100605PNL-MM

■ 4000 tip

: Ø32 - Ø63mm

• Uç

LNEX151004PNR-MF/MM
LNMX151004PNR-MF/MM
LNEX151008PNR-MF/MM
LNMX151008PNR-MF/MM
LNEX151016PNR-MF/MM
LNMX151016PNR-MF/MM
LNEX151004PNR-MA
LNEX151008PNR-MA

RM4PM 3000



■ 3000 tip

: Ø14 - Ø50mm

• Uç

LNEX100605PNR-MF/MM
LNMX100605PNR-MF/MM
LNEX100608PNR-MF/MM
LNMX100608PNR-MF/MM
LNEX100605PNR-MA
LNEX100605PNL-MM
LNMX100605PNL-MM

• Please refer to page 88 for available adaptors

RM4ZC(M) 3000/4000



■ 3000 tip

: Ø40 - Ø63mm

• Uç

LNEX100605PNL-MM
LNMX100605PNL-MM

■ 4000 tip

: Ø66 - Ø100mm

• Uç

LNEX151008PNL-MM
LNMX151008PNL-MM

RM4ZS 3000



■ 3000 tip

: Ø25 - Ø40mm

• Uç

LNEX100605PNL-MM
LNMX100605PNL-MM

RM4ZM 3000



■ 3000/4000 tip

: Ø25 - Ø40mm

• Uç

LNEX100605PNL-MM
LNMX100605PNL-MM

• Uygun adaptörler için 88. sayfaya bakınız.

RM8AC(M) 4000/5000



■ 4000 tip

: Ø50 - Ø400mm

• Uç

SNEX1206ANN-MF/MM
SNMX1206ANN-MF/MM
SNEX1206ANN-MA
SNEX1206ANN-ML
SNEX1206ANN-W

■ 5000 tip

: Ø80 - Ø400mm

• Uç

SNEX1507ANN-MF/MM
SNMX1507ANN-MF/MM
SNEX1507ANN-ML

Yüzey Frezeleme Takımları

► Rich Mill Serisi

RMH8AC(M) 4000/5000



- **4000 tip**
: Ø80 - Ø400mm
- **Uç**
SNEX1206ANN-MF/MM
SNMX1206ANN-MF/MM
SNEX1206ANN-MA
SNEX1206ANN-ML
SNEX1206ANN-W
- **5000 tip**
: Ø80 - Ø400mm
- **Uç**
SNEX1507ANN-MF/MM
SNMX1507ANN-MF/MM
SNEX1507ANN-ML

RM8EC(M) 4000/5000



- **4000 tip**
: Ø50 - Ø400mm
- **Uç**
SNEX1206ENN-MF/MM
SNMX1206ENN-MF/MM
SNEX1206ENN-MA
SNEX1206ENN-ML
- **5000 tip**
: Ø80 - Ø400mm
- **Uç**
SNEX1507ENN-MF/MM
SNMX1507ENN-MF/MM
SNEX1507ENN-ML

RMH8EC(M) 4000/5000



- **4000 tip**
: Ø80 - Ø400mm
- **Uç**
SNEX1206ENN-MF/MM
SNMX1206ENN-MF/MM
SNEX1206ENN-MA
SNEX1206ENN-ML
- **5000 tip**
: Ø80 - Ø400mm
- **Uç**
SNEX1507ENN-MF/MM
SNMX1507ENN-MF/MM
SNMX1507ENN-ML

RM8QC(M) 4000



- **4000 tip**
: Ø63 - Ø200mm
- **Uç**
SNEX1206QNN-MF/MM
SNMX1206QNN-MF/MM
SNEX1206QNN-MA
SNEX1206QNN-ML
SNEX120612-MF/MM
SNMX120612-MF/MM
SNEX120612-MA
SNEX120612-ML

RMH8QC(M) 4000



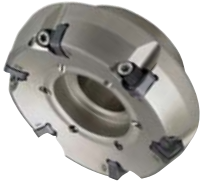
- **4000 tip**
: Ø80 - Ø200mm
- **Uç**
SNEX1206QNN-MF/MM
SNMX1206QNN-MF/MM
SNEX1206QNN-MA
SNEX1206QNN-ML
SNEX120612-MF/MM
SNMX120612-MF/MM
SNEX120612-MA
SNEX120612-ML

RMT8A(M) 4000/5000



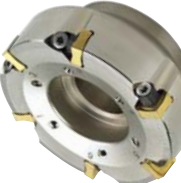
- **4000 tip**
: Ø80 - Ø315mm
- **Uç**
SNCF1206ANN-MF/MM
SNMF1206ANN-MF/MM
- **5000 tip**
: Ø80 - Ø315mm
- **Uç**
SNCF1507ANN-MF/MM
SNMF1507ANN-MF/MM

RMT8E(M) 4000/5000



- **4000 tip**
: Ø80 - Ø315mm
- **Uç**
SNCF1206ENN-MF/MM
SNMF1206ENN-MF/MM
- **5000 tip**
: Ø80 - Ø315mm
- **Uç**
SNCF1507ENN-MF/MM
SNMF1507ENN-MF/MM

RMT8Q(M) 4000



- **4000 tip**
: Ø80 - Ø315mm
- **Uç**
SNMF1206QNN-MF/MM

RM16AC(M) 6000/8000



- **6000 tip**
: Ø63 - Ø400mm
- **Uç**
ONMX060608-MM/MF
ONHX060608-MM/MF/ML
ONHX060608-W
ONMX0606ANN-MF/MM
ONHX0606ANN-MF/MM
ONHX060608-MA
- **8000 tip**
: Ø63 - Ø400mm
- **Uç**
ONMX080608-MF/MM
ONHX080608-MF/MM/ML
ONHX080608-W
ONMX0806ANN-MF/MM
ONHX0806ANN-MF/MM
ONHX080608-MA

Yüzey Frezeleme Takımları

► Rich Mill Serisi(Yüzey ve Kenar Frezeleme Takımları)

RM4PFCB 3000/4000



- 3000 tip
: Ø80 - Ø160mm
- Uç
LNEX100605PNR-MM
LNMX100605PNR-MM
LNEX100605PNL-MM
LNMX100605PNL-MM
- 4000 tip
: Ø80 - Ø160mm
- Uç
LNEX151008PNR-MM
LNMX151008PNR-MM
LNEX151008PNL-MM
LNMX151008PNL-MM

RM4PHCB 3000/4000



- 3000 tip
: Ø80 - Ø160mm
- Uç
LNEX100605PNR-MF/MM
LNMX100605PNR-MF/MM
LNEX100608PNR-MF/MM
LNMX100608PNR-MF/MM
LNEX100605PNR-MA
- 4000 tip
: Ø80 - Ø160mm
- Uç
LNEX151004PNR-MF/MM
LNMX151004PNR-MF/MM
LNEX151008PNR-MF/MM
LNMX151008PNR-MF/MM
LNEX151016PNR-MF/MM
LNMX151016PNR-MF/MM
LNEX151004PNR-MA
LNEX151008PNR-MA

RM4PFCP 3000/4000



- 3000 tip
: Ø80 - Ø160mm
- Uç
LNEX100605PNR-MM
LNMX100605PNR-MM
LNEX100605PNL-MM
LNMX100605PNL-MM
- 4000 tip
: Ø80 - Ø160mm
- Uç
LNEX151008PNR-MM
LNMX151008PNR-MM
LNEX151008PNL-MM
LNMX151008PNL-MM

RM4PHCP 3000/4000



- 3000 tip
: Ø80 - Ø160mm
- Uç
LNEX100605PNR-MF/MM
LNMX100605PNR-MF/MM
LNEX100608PNR-MF/MM
LNMX100608PNR-MF/MM
LNEX100605PNR-MA
- 4000 tip
: Ø80 - Ø160mm
- Uç
LNEX151004PNR-MF/MM
LNMX151004PNR-MF/MM
LNEX151008PNR-MF/MM
LNMX151008PNR-MF/MM
LNEX151016PNR-MF/MM
LNMX151016PNR-MF/MM
LNEX151004PNR-MA
LNEX151008PNR-MA

► Future Mill Serisi

FMAC(M) 3000/4000



- 3000 tip
: Ø50 - Ø125mm
- Uç
SEET0903AGFN-MA
SEET0903AGSN-MF/MM
SEXT0903AGSN-MF/MM/MR
SEEW0903AGTN
- 4000 tip
: Ø50 - Ø125mm
- Uç
SEET14M4AGFN-MA
SEET14M4AGSN-MF/MM
SEXT14M4AGSN-MF/MM/MR
SEEW14M4AGTN
SEEW14M4AGFN-W
SEEW14M4AGSN-W
SEEW14M4AGTN-W

FMAS 3000/4000



- 3000 tip
: Ø25 - Ø63mm
- Uç
SEET0903AGFN-MA
SEET0903AGSN-MF/MM
SEXT0903AGSN-MF/MM/MR
SEEW0903AGTN
- 4000 tip
: Ø50 - Ø63mm
- Uç
SEET14M4AGFN-MA
SEET14M4AGSN-MF/MM
SEXT14M4AGSN-MF/MM/MR
SEEW14M4AGTN
SEEW14M4AGFN-W
SEEW14M4AGSN-W
SEEW14M4AGTN-W

FMPC(M) 3000/4000



- 3000 tip
: Ø50 - Ø100mm
- Uç
SDET09M402R-MA
SDET09M405R-MF/MM
SDXT09M405R/L-MF
SDXT09M405R/L-MM
SDXT09M405R-MA
- 4000 tip
: Ø63 - Ø125mm
- Uç
SDET130504R-MA
SDET130508R-MF/MM
SDXT130508R-MF/MM
SDXT130538-MM
SDXT130508R-MA

FMPS 3000/4000



- 3000 tip
: Ø25 - Ø63mm
- Uç
SDET09M402R-MA
SDET09M405R-MF/MM
SDXT09M405R/L-MF
SDXT09M405R/L-MM
SDXT09M405R-MA
- 4000 tip
: Ø40 - Ø63mm
- Uç
SDET130504R-MA
SDET130508R-MF/MM
SDXT130508R-MF/MM
SDXT130538-MM
SDXT130508R-MA

FMRC(M) 3000/4000



- 3000 tip
: Ø40 - Ø100mm
- Uç
RDCT10T3M0-MA
RDKT10T3M0-MF/MM
- 4000 tip
: Ø50 - Ø125mm
- Uç
RDCT1204M0-MA
RDKT1204M0-MF/MM

FMRC(M) 5000/6000



- 5000 tip
: Ø50 - Ø125mm
- Uç
RDHW1605M0E, F, S
RDKT1605M0-MM/ML/MF
- 6000 tip
: Ø63 - Ø160mm
- Uç
RDHW2006M0E, F, S
RDKT2006M0-MM

Yüzey Frezeleme Takımları

► Future Mill Serisi

FMRS 1000/1500



- **1000 tip**
: Ø8 - Ø15mm
- **Uç**
RDHW0501M0E, F, S
RDKW0501M0E
- **1500 tip**
: Ø10 - Ø20mm
- **Uç**
RDHW06T1M0E, F, S
RDKW06T1M0E

FMRS 2000/2500



- **2000 tip**
: Ø15 - Ø20mm
- **Uç**
RDHW0702M0E, F, S
RDKW0702M0E
- **2500 tip**
: Ø16 - Ø25mm
- **Uç**
RDHW0803M0E, F, S
RDKW0803M0E

FMRS 3000/4000



- **3000 tip**
: Ø21 - Ø40mm
- **Uç**
RDCT10T3M0-MA
RDKT10T3M0-MF/MM
- **4000 tip**
: Ø32 - Ø50mm
- **Uç**
RDCT1204M0-MA
RDKT1204M0-MF/MM

FMRS 5000/6000



- **5000 tip**
: Ø40 - Ø63mm
- **Uç**
RDHW1605M0E, F, S
RDKT1605M0-MM/ML/MF
- **6000 tip**
: Ø50 - Ø63mm
- **Uç**
RDHW2006M0E, F, S
RDKT2006M0-MM

FMRM 1000/1500/2000/2500



- **1000/1500/2000/2500 tip**
: Ø8 - Ø25mm
- **Uç**
RDHW0501M0E, F, S
RDKW0501M0E
RDHW06T1M0E, F, S
RDKW06T1M0E
- RDHW0702M0E, F, S
RDKW0702M0E
RDHW0803M0E, F, S
RDKW0803M0E
- Uygun adaptörler için 88. sayfaya bakınız.

FMRM 3000/4000/5000



- **3000/4000/5000 tip**
: Ø21 - Ø40mm
- **Uç**
RDCT10T3M0-MA
RDKT10T3M0-MF / MM
RDCT1204M0-MA
RDKT1204M0-MF / MM
RDHW1605M0E, F, S
RDKT1605M0-MF/MM/ML
- Uygun adaptörler için 88. sayfaya bakınız.

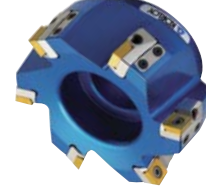
FMAC(M) 3000-A/4000-A



Alüminyum Gövde

- **3000 tip**
: Ø63 - Ø125mm
- **Uç**
SEET0903AGFN-MA
SEET0903AGSN-MF/MM
SEXT0903AGSN-MF/MM/MR
SEEW0903AGTN
- **4000 tip**
: Ø63 - Ø315mm
- **Uç**
SEET14M4AGFN-MA
SEET14M4AGSN-MF/MM
SEXT14M4AGSN-MF/MM/MR
SEEW14M4AGTN
SEEW14M4AGFN-W
SEEW14M4AGSN-W
SEEW14M4AGTN-W

FMPC(M) 3000-A/4000-A



Alüminyum Gövde

- **3000 tip**
: Ø63 - Ø100mm
- **Uç**
SDET09M402R-MA
SDET09M405R-MF/MM
SDXT09M405R/L-MF
SDXT09M405R/L-MM
SDXT09M405R-MA
- **4000 tip**
: Ø63 - Ø315mm
- **Uç**
SDET130504R-MA
SDET130508R-MF/MM
SDXT130508R-MF/MM
SDXT130538-MM
SDXT130508R-MA

► FMR P-pozitif

FMRC(M) 3000/4000



- **3000 tip**
: Ø40 - Ø66mm
- **Uç**
RPCT10T3M0-MA
RPET10T3M0E-ML
RPMT10T3M0E-MF
RPMT10T3M0S-MM
RPMW10T3M0E1
- **4000 tip**
: Ø50 - Ø100mm
- **Uç**
RPCT1204M0-MA
RPET1204M0E-ML
RPMT1204M0E-MF
RPMT1204M0S-MM
RPMW1204M0S1
RPMW1204M0S2

FMRC(M) 5000/6000



- **5000 tip**
: Ø63 - Ø160mm
- **Uç**
RPCT1606M0-MA
RPET1606M0E-ML
RPMT1606M0E-MF
RPMT1606M0S-MM
RPMW1606M0S1
- **6000 tip**
: Ø63 - Ø250mm
- **Uç**
RPCT2007M0-MA
RPET2007M0E-ML
RPMT2007M0E-MF
RPMT2007M0S-MM
RPMW2007M0S1

Yüzey Frezeleme Takımları

► FMR P-pozitif

FMRS 2500



- 2500 tip
: Ø17 - Ø26mm
- Uç
RPET0803M0E-ML
RPMT0803M0E-MF
RPMT0803M0S-MM
RPMW0803M0E1

FMRS 3000/4000



- 3000 tip
: Ø25 - Ø33mm
- Uç
RPCT10T3M0-MA
RPCT10T3M0E-ML
RPMT10T3M0E-MF
RPMT10T3M0S-MM
RPMW10T3M0E1
- 4000 tip
: Ø25 - Ø50mm
- Uç
RPCT1204M0-MA
RPCT1204M0E-ML
RPMT1204M0E-MF
RPMT1204M0S-MM
RPMW1204M0S1
RPMW1204M0S2

FMRS 5000/6000



- 5000 tip
: Ø40 - Ø50mm
- Uç
RPCT1606M0-MA
RPCT1606M0E-ML
RPMT1606M0E-MF
RPMT1606M0S-MM
RPMW1606M0S1
- 6000 tip
: Ø50mm
- Uç
RPCT2007M0-MA
RPCT2007M0E-ML
RPMT2007M0E-MF
RPMT2007M0S-MM
RPMW2007M0S1

FMRM 2500/3000/4000/5000



- 2500/3000/4000/5000 tip
: Ø17~42mm
- Uç
RPCT0803M0E-ML
RPMT0803M0E-MF
RPMT0803M0S-MM
RPMW0803M0E1
RPCT10T3M0-MA
RPCT10T3M0E-ML
RPMT10T3M0E-MF
RPMT10T3M0S-MM
RPMW10T3M0E1
RPCT1204M0-MA
- Uç
RPCT1204M0E-ML
RPMT1204M0E-MF
RPMT1204M0S-MM
RPMW1204M0S1
RPMW1204M0S2
RPCT1606M0-MA
RPCT1606M0E-ML
RPMT1606M0E-MF
RPMT1606M0S-MM
RPMW1606M0S1

► Double-Mill Serisi

AFO(M) 4000



- 4000 tip
: Ø80 - Ø125mm
- Uç
OFCW05T3SN
OFCW05T3FN
OFCW05T308FN
OFKT05T3SN-MF/MM
- OFKT05T308SN-MF/MM
OFKT05T3FN-MA
OFKT05T3EN-MA

AFO(M) 5000



- 5000 tip
: Ø80 - Ø315mm
- Uç
OFCN0704SN
OFCN0704FN
OFCN070408SN
OFCN070408FN
OFKR0704SN-MF/MM
- OFKR070408SN-MF/MM
OFKR0704E(F)N-MA
OFKT0704SN-MM
OFKT0704E(F)N-MA
REKR170400-MM

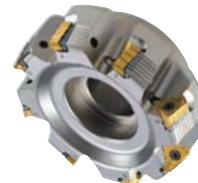
► Power Buster Serisi

PBAC(M) 5000



- 5000 tip
: Ø80 - Ø315mm
- Uç
TNMX2710AZNR-NM
TNMX2710AZNL-NM

PBZC(M) 5000



- 5000 tip
: Ø80 - Ø315mm
- Uç
TNMX2710AZNR-NM
TNMX2710AZNL-NM

Yüzey Frezeleme Takımları

► Mill-Max Serisi

ADN(M) 4000/5000*



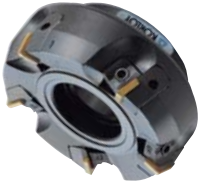
- 4000 tip
: Ø80 - Ø315mm
- Uç
SDCN42
SDCN1203
SDKN1203
SDKR1203
- 5000* tip
: Ø80 - Ø315mm
- Uç
SDCN53
SDCN1504
SDKN1504
SDKR1504

AE(M) 4000/5000



- 4000 tip
: Ø80 - Ø315mm
- Uç
SECN1203
SEKN1203
SEKR1203
- 5000 tip
: Ø80 - Ø315mm
- Uç
SECN1504
SEKN1504

EF(M) 4000



- 4000 tip
: Ø80 - Ø315mm
- Uç
SFCN1203EFR

EN(M) 4000



- 4000 tip
: Ø80 - Ø315mm
- Uç
SNCN1204ENN
SNKN1204ENN

EPN(M) 4000/5000*



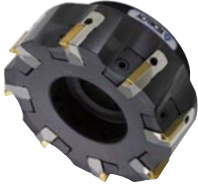
- 4000 tip
: Ø80 - Ø315mm
- Uç
SPCN1203
SPKN1203
SPKR1203
SPEX1203
- 5000* tip
: Ø80 - Ø315mm
- Uç
SPCN1504
SPKN1504
SPKR1504
SPEX1504

PF(M) 4000



- 4000 tip
: Ø80 - Ø315mm
- Uç
TFCN2203PFR
TFCN2203PFL

PPN(M) 4000



- 4000 tip
: Ø80 - Ø315mm
- Uç
TPCN2204
TPKN2204
TPKR2204

► Shave Mill

SVM(M) 4000



- 4000 tip
: Ø80 - Ø315mm
- Uç
SNEU120420-MF
SNEU1204ANN-MF
SNEU1204R-WMF
SNEU1204-TBW

► Shave Mill Ultra

SVUM 6000



- 6000 tip
: Ø80 - Ø315mm
- Uç
LNCS1907-R3.0-WC
LNCS1907-C1.5-WC

SVUM 6000-B



- 6000 tip
: Ø80 - Ø315mm
- Uç
LNCS1907-R3.0-WC
LNCS1907-C1.5-WC

Yüzey Frezeleme Takımları

► Yüksek İlerlemeli Takımlar

ANH 4000/5000



- 4000 tip
: Ø100 - Ø450mm
- 5000 tip
: Ø100 - Ø450mm
- Uç
SNCN1204ENN
SNKN1204ENN
- Uç
SNCN 1504ENN
SNKN 1504ENN

CDH 4000/5000



- 4000 tip
: Ø100 - Ø450mm
- 5000 tip
: Ø100 - Ø450mm
- Uç
SDCN42R
SDCN42L
- Uç
SDCN53R
SDCN53L

DEH 5000



- Ø100 - Ø450mm
- Uç
HECN090408FN
HECN090408SN
HECN090408TN

DPH 5000



- Ø100 - Ø450mm
- Uç
HPEN090408FN
HPEN090408SN
HPEN090408EN
HPEN090408-WC

PNH 4000/5000

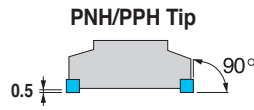
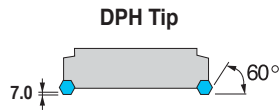
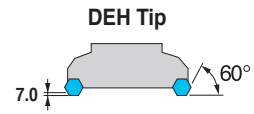
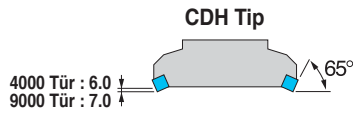
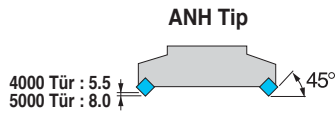


- Ø125 - Ø450mm
- Uç
SNEF435

PPH 4000



- Ø125 - Ø450mm
- Uç
SPEN120416-WC

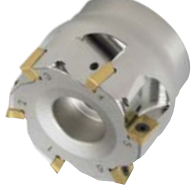


Çok Amaçlı Takımlar

► Alpha Mill Serisi

AMC(M)-S

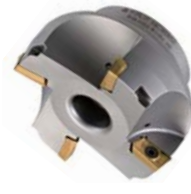
1000S, 1500S, 2000S, 3000S(-K), 4000S



- **1000 tip**
: Ø32 - Ø63mm
- **1500 tip**
: Ø40 - Ø100mm
- **2000 tip**
: Ø40 - Ø100mm
- **3000 tip**
: Ø40 - Ø100mm
- **4000 tip**
: Ø50 - Ø200mm

AMC(M)-SE

1000SE, 2000SE, 3000SE



- **1000 tip**
: Ø40 - Ø50mm
- **2000 tip**
: Ø80 - Ø100mm
- **3000 tip**
: Ø80 - Ø100mm

AMC(M)-M

2000M, 3000M, 4000M



- **2000 tip**
: Ø50 - Ø100mm
- **3000 tip**
: Ø63 - Ø100mm
- **4000 tip**
: Ø63 - Ø125mm

AMS-S

1000S, 1500S, 2000S, 3000S, 3000S(-K), 4000S



- **1000 tip**
: Ø10 - Ø33mm
- **1500 tip**
: Ø10 - Ø40mm
- **2000 tip**
: Ø10 - Ø63mm
- **3000 tip**
: Ø25 - Ø63mm
- **4000 tip**
: Ø20 - Ø63mm

AMS-SE

1000SE, 2000SE, 3000SE



- **1000 tip**
: Ø25mm
- **2000 tip**
: Ø25 - Ø63mm
- **3000 tip**
: Ø50 - Ø63mm

AMS-M

1000M, 1500M, 2000M, 4000M



- **1000 tip**
: Ø16 - Ø25mm
- **1500 tip**
: Ø20 - Ø32mm
- **2000 tip**
: Ø20 - Ø40mm
- **4000 tip**
: Ø32 - Ø50mm

AMS-MH

1000MH, 1500MH, 2000MH, 3000MH-K



- **1000 tip**
: Ø14 - Ø18mm
- **1500 tip**
: Ø20mm
- **2000 tip**
: Ø25 - Ø32mm
- **3000 tip**
: Ø40mm

AMM

1000M, 1500M, 2000M



- **1000 tip**
: Ø12 - Ø32mm
- **1500 tip**
: Ø10 - Ø32mm
- **2000 tip**
: Ø16 - Ø40mm

• Uygun adaptörler için 88. sayfaya bakınız.

BT Tooling system(Single)

AM1000HS, AM1500HS, AM2000HS, AM3000HS, AM4000HS



- **1000 tip**
: Ø10 - Ø20mm
- **1500 tip**
: Ø16 - Ø40mm
- **2000 tip**
: Ø16 - Ø50mm
- **3000 tip**
: Ø25 - Ø50mm
- **4000 tip**
: Ø20 - Ø50mm

BT Tooling system(Multi)

AM1000, AM1500, AM2000, AM3000, AM4000



- **1000 tip**
: Ø16 - Ø25mm
- **1500 tip**
: Ø20 - Ø32mm
- **2000 tip**
: Ø20 - Ø100mm
- **3000 tip**
: Ø50 - Ø100mm
- **4000 tip**
: Ø40 - Ø100mm

HSK Tooling system(Single)

AM1000HS, AM1500HS, AM2000HS, AM3000HS, AM4000HS



- **1000 tip**
: Ø10 - Ø20mm
- **1500 tip**
: Ø16 - Ø40mm
- **2000 tip**
: Ø16 - Ø50mm
- **3000 tip**
: Ø25 - Ø50mm
- **4000 tip**
: Ø20 - Ø50mm

HSK Tooling system(Multi)

AM1000, AM1500, AM2000, AM3000, AM4000



- **1000 tip**
: Ø16 - Ø25mm
- **1500 tip**
: Ø20 - Ø32mm
- **2000 tip**
: Ø20 - Ø100mm
- **3000 tip**
: Ø50 - Ø100mm
- **4000 tip**
: Ø40 - Ø100mm

Çok Amaçlı Takımlar

► Have Mill Serisi

HAVE(Multi Edge)



Ø16 - Ø50mm

- **Uç**
XPMT0802ER-MM
XPMT1003ER-MM
XPMT13T3ER-MM
XPMT1604ER-MM
XPMT1805ER-MM
XPMT2006ER-MM
XPMT2507ER-MM

HAVE(Single Edge)



Ø16 - Ø50mm

- **Uç**
XPMT0802ER-MM
XPMT1003ER-MM
XPMT13T3ER-MM
XPMT1604ER-MM
XPMT1805ER-MM
XPMT2006ER-MM
XPMT2507ER-MM

► Tank Mill Serisi

THE



Ø25 - Ø50mm

- **Uç**
SPMT060304
SDMT090308-MM
SPMT120408-MM
APLT070304R
ADLT150308R
ZPMT1504PPSR-MM

► Turbo Mill Serisi

ADS 4000/5000



- **4000 tip**
: Ø50 - Ø63mm

- **Uç**
SDCN42
SDCN1203
SDKN1203
SDKR1203

- **5000 tip**
: Ø50 - Ø63mm

- **Insert**
SDCN53
SDCN1504
SDKN1504
SDKR1504

PES 2000/3000/4000



- **2000 / 3000 / 4000 tip**
: Ø20 - Ø63mm

- **Uç**
TECN22R/TR
TECN32R/TR
TECN32TR-S20
TEEN43R/TR
TEEN43R-G
TEEN43TR-S20
TEEN43TR-Z
TEEN43TR-ZH

► T-Kesici

TFE



Ø21 - Ø50mm

- **Uç**
CPMT060204-MM
CPMT080308-MM
CPMT09T308-MM
CPMH120408-MM

► Pah Takımları

CE(Ön & Arka)



- **Pah Açılırları**
15°, 30°, 45°, 60°

- **Uç**
SPMT110408-KC
SPMN120308
15-1125R-S20
30-1125R-S20
45-1107R-S20
45-1119R-S20
45-1125R-S20
60-1125R-S32
45-1207R-S32
45-1220R-S32
45-1225R-S32
45-1235R-S32

CE(Uzun Pah)



- **Pah Açılırları**
30°, 45°, 60°

- **Uç**
XCET310404ER-KC
30-3105R-S32
45-3105R-S32
60-3105R-S32

CE(Çok Fonksiyonlu)



- **Pah Açılırları**
45°

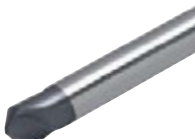
- **Uç**
TWX16R-KC
TWX22R-KC
45-1600R-S12
45-1600R-S20
45-1600R-L20
45-2200R-S12
45-2200R-S25
45-2200R-L25

CET



- | | |
|------------|------------|
| CET060-030 | CET090-120 |
| CET060-040 | CET090-160 |
| CET060-060 | CET120-030 |
| CET060-080 | CET120-040 |
| CET060-100 | CET120-060 |
| CET060-120 | CET120-080 |
| CET060-160 | CET120-100 |
| CET090-030 | CET120-120 |
| CET090-040 | CET120-160 |
| CET090-060 | |
| CET090-080 | |
| CET090-100 | |

CCT



- | | | | | |
|-------------|--------------|--------------|--------------|--------------|
| CCT060-030 | CCT060T-012 | CCT090-010 | CCT090T-060L | CCT120T-040 |
| CCT060-040 | CCT060T-016 | CCT090-012 | CCT090T-080L | CCT120T-060 |
| CCT060-060 | CCT060T-030L | CCT090-016 | CCT090T-010L | CCT120T-080 |
| CCT060-080 | CCT060T-040L | CCT090T-030 | CCT090T-012L | CCT120T-010 |
| CCT060-010 | CCT060T-060L | CCT090T-040 | CCT120-030 | CCT120T-012 |
| CCT060-012 | CCT060T-080L | CCT090T-060 | CCT120-040 | CCT120T-016 |
| CCT060-016 | CCT060T-010L | CCT090T-080 | CCT120-060 | CCT120T-030L |
| CCT060T-030 | CCT060T-012L | CCT090T-010 | CCT120-080 | CCT120T-040L |
| CCT060T-040 | | CCT090T-012 | CCT120-010 | CCT120T-060L |
| CCT090-030 | | CCT090T-016 | CCT120-012 | CCT120T-080L |
| CCT060T-060 | | CCT090T-030L | CCT120-016 | CCT120T-010L |
| CCT060T-080 | | CCT090T-040L | CCT120T-030 | CCT120T-012L |

Alüminyum Frezeleme Takımları

► Pro-A Mill

PAC(M) 2000/4000



- 2000/4000 tip
: Ø40 - Ø100mm
- Uç
VCKT220530N-MA

PAS 2000/4000



- 2000/4000 tip
: Ø12 - Ø40mm
- Uç
VDKT11T210N-MA
VDKT11T220N-MA
VCKT220530N-MA

PAM 2000



- 2000 tip
: Ø12 - Ø42mm
- Uç
VDKT11T210N-MA

• Uygun adaptörler için 88. sayfaya bakınız.

► Pro-X Mill

PAXC(M) 5000/6000



- 5000 tip
: Ø40 - Ø125mm
- Uç
XEKT19M5□□FR-MA
- 6000 tip
: Ø50 - Ø125mm
- Uç
XEKT2506□□FR-MA

PAXS 5000/6000



- 5000 tip
: Ø20 - Ø40mm
- Uç
XEKT19M5□□FR-MA
- 6000 tip
: Ø25 - Ø40mm
- Uç
XEKT2506□□FR-MA

PAXM 5000



- 5000 tip
: Ø25 - Ø40mm
- Uç
XEKT19M5□□FR-MA

• Uygun adaptörler için 88. sayfaya bakınız.

► Pro-L Mill

PALCM



- Ø63mm
- Uç
340504PEFR-63-MA
3405PEFR-63-MA
340512PEFR-63-MA
340516PEFR-63-MA
340504PEER-63-ML
3405PEER-63-ML
340512PEER-63-ML
340516PEER-63-ML

PALS(Single Edge)



- Ø32mm - Ø63mm
- Uç
LXET-MA
LXET-ML

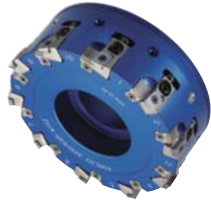
PALS(Multi Edge)



- Ø63mm
- Uç
LXET-MA
LXET-ML

► Aero Mill

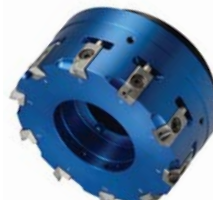
APD(M)-A



- Ø80 - Ø315mm
- Uç
CDEW1204R/L-XCF
CDEW1204R/L-XAF
CDEW1204R-NAF
CDEW1204R/L-XAW
CDEW1204R-NAW

► Aero Mill-Plus

APD(M)-PB



- Ø80 - Ø315mm
- Uç
BAMPR-XAF
BAMPR-XAW
BAMPR-XAWR

► Aero Mill-Mini

MAPD000HR/L-Z0



- Ø40 - Ø63mm
- Uç
SNEW09T3ADFR
SNEW09T3ADTR-XAF
SNEW09T3ADTR-XAW
SNEW09T3ADTR-NAF
SNEW09T3ADTR-NAW

MAPDS000HR/L-Z0



- Ø32 - Ø40mm
- Uç
SNEW09T3ADFR
SNEW09T3ADTR-XAF
SNEW09T3ADTR-XAW
SNEW09T3ADTR-NAF
SNEW09T3ADTR-NAW

Yüksek İlerlemeli Freze Takımları

► HRM/HRMDouble Çift Taraflı Takımlar

HRMDC(M) 09/13



- 09 tip
: Ø40 - Ø100mm
- Uç
WNMX09T316ZNN-MF/MM
- 13 tip
: Ø50 - Ø125mm
- Uç
WNMX130520ZNN-MF/MM

HRMDC(M) 16



- 16 tip
: Ø80 - Ø315mm
- Uç
WNMX160720ZNN-MF/MM

HRMDS 06



- 06 tip
: Ø16 - Ø33mm
- Uç
WNMX060312ZNN-MF/MM

HRMDS 09/13



- 09 tip
: Ø25 - Ø50mm
- Uç
WNMX09T316ZNN-MF/MM
- 13 tip
: Ø32 - Ø63mm
- Uç
WNMX130520ZNN-MF/MM

HRMDM 06



- 06 tip
: Ø16 - Ø33mm
- Uç
WNMX060312ZNN-MF/MM
- Uygun adaptörler için 88. sayfaya bakınız.

HRMDM 09/13



- 09 tip
: Ø25 - Ø40mm
- Uç
WNMX09T316ZNN-MF/MM
- 13 tip
: Ø32 - Ø40mm
- Uç
WNMX130520ZNN-MF/MM
- Uygun adaptörler için 88. sayfaya bakınız.

HRMC(M) 13/15



- 13 tip
: Ø50 - Ø160mm
- Uç
WDKT130520ZDSR-MH
- 15 tip
: Ø80 - Ø160mm
- Uç
WDKT150625ZDSR-MH

HRMS 08/10



- 08 tip
: Ø20 - Ø30mm
- Uç
WDKT080316ZDSR-MH
- 10 tip
: Ø25 - Ø30mm
- Uç
WDKT10T320ZDSR-MH

HRMS 13/15



- 13 tip
: Ø32 - Ø40mm
- Uç
WDKT130520ZDSR-MH
- 15 tip
: Ø50 - Ø63mm
- Uç
WDKT150625ZDSR-MH

HRMM 08/10/13



- 08/10/13 tip
: Ø20 - Ø40mm
- Uç
WDKT080316ZDSR-MH
WDKT10T320ZDSR-MH
WDKT130520ZDSR-MH

• Uygun adaptörler için 88. sayfaya bakınız.

► HFM(Yüksek İlerlemeli Frezeleme)

HFMS 1000



- 1000 tip
: Ø8 - Ø21mm
- Uç
LPMT040210R-MF
LPMT040220R-MF
LPMW040210R
LPMW040220R
LPEW040210R
LPEW040220R

HFMM 1000



- 1000 tip
: Ø8 - Ø33mm
- Uç
LPMT040210R-MF
LPMT040220R-MF
LPMW040210R
LPEW040210R
LPEW040220R
- Uygun adaptörler için 88. sayfaya bakınız.

Kanal Frezeleri

► Teğetsel Tip(Tam Kenar Kesici)

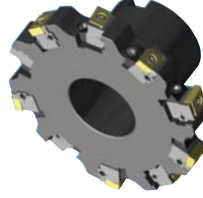
TAFCP(M)



Ø100 - Ø315mm

- Uç
CNHQ1005-□□□
CNHQ1305-□□□
CNHQ1606-□□□

TAFCB(M)



Ø100 - Ø315mm

- Uç
CNHQ1005-□□□
CNHQ1305-□□□
CNHQ1606-□□□

► Teğetsel Tip(Yarım Kenar Kesici)

TAHCP(M)



Ø100 - Ø315mm

- Uç
CNHQ1005-□□□
CNHQ1305-□□□
CNHQ1606-□□□

TAHCB(M)



Ø100 - Ø315mm

- Uç
CNHQ1005-□□□
CNHQ1305-□□□
CNHQ1606-□□□

► Radyal Tip(Tam Kenar Kesici)

RAFCP(M)



Ø100 - Ø315mm

- Uç
SDXT09M40□R/L
SDXT13050□R/L

RAFCB(M)



Ø100 - Ø315mm

- Uç
SDXT09M40□R/L
SDXT13050□R/L

► Radyal Tip(Yarım Kenar Kesici)

RAHCP(M)



Ø100 - Ø315mm

- Uç
SDXT09M40□R/L
SDXT13050□R/L

RAHCB(M)



Ø100 - Ø315mm

- Uç
SDXT09M40□R/L
SDXT13050□R/L

Kanal Frezeleri

► Kanal Frezeleri

FC(M) Tam Kenar Kesici



Ø80 - Ø315mm
• Uç
TPCN1103PPN
TPCN1603PPN

HC(M) Yarım Kenar Kesici



Ø100 - Ø315mm
• Uç
TPCN1603PPN

SPP(M)



Ø80 - Ø200mm
• Uç
PNEJ12□□N

SPB(M)



Ø80 - Ø200mm
• Uç
PNEJ12□□N

SPS



Ø50 - Ø200mm
• Uç
SPFN200
SPFN300
SPFN400

► Wind Mill

RAHCP(M) Flanşlı Tip



Ø80 - Ø250mm
• Uç
SNHT11023□□R/L-WX SNHT1205□□R/L-WX
SNHT1103 □□R/L-WX SNHT12054□□R/L-WX
SNHT1203□□R/L-WX SNHT1206□□R/L-WX
SNHT12035□□R/L-WX SNHT12065□□R/L-WX
SNHT1204□□R/L-WX SNHT1207□□R/L-WX
SNHT12045□□R/L-WX SNHT12075□□R/L-WX

RAHCB(M) Düz Tip



Ø80 - Ø250mm
Uç
SNHT11023□□R/L-WX SNHT1205□□R/L-WX
SNHT1103□□R/L-WX SNHT12054□□R/L-WX
SNHT1203□□R/L-WX SNHT1206□□R/L-WX
SNHT12035□□R/L-WX SNHT12065□□R/L-WX
SNHT1204□□R/L-WX SNHT1207□□R/L-WX
SNHT12045□□R/L-WX SNHT12075□□R/L-WX

Parmak Frezeler/Matkaplar

KORLOY ileri teknolojisi ve takım sistemlerindeki bilgi birikimi ile yüksek verimlilik ve kalite için yüksek kaliteli frezeler ve matkaplar sunmaktadır.

Yekpare Parmak Frezeler
Karbür Matkaplar
Takma Uçlu Matkaplar
Takma Uçlu Parmak Frezeler

Yekpare Parmak Frezeler

► H Freze

PBE2000(Küre)



Ağız sayısı : 2
Kesme çapı : Ø0.5 ~ Ø12

PRE4000(Radyus)



Ağız sayısı : 4
Kesme çapı : Ø3 ~ Ø16

► V Freze

VFE4000(Düz)



Ağız sayısı : 4
Kesme çapı : Ø2.5 ~ Ø16

► Z Freze

ZFE2000(Düz)



Ağız sayısı : 2
Kesme çapı : Ø1 ~ Ø16

ZFE4000(Düz)



Ağız sayısı : 4
Kesme çapı : Ø1 ~ Ø16

ZSFE2000(Kısa Düz)



Ağız sayısı : 2
Kesme çapı : Ø1 ~ Ø12

ZSFE4000(Kısa Düz)



Ağız sayısı : 4
Kesme çapı : Ø1 ~ Ø14

ZBE2000(Küre)



Ağız sayısı : 2
Kesme çapı : Ø1 ~ Ø12

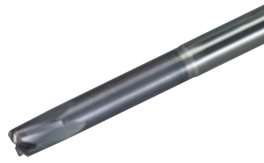
► F Freze

FME4000(Standart)



Ağız sayısı : 4
Kesme çapı : Ø6 ~ Ø12

FMLE4000(Uzun)



Ağız sayısı : 4
Kesme çapı : Ø6 ~ Ø12

► S+ Freze

SPFE4000(Düz)



Ağız sayısı : 4
Kesme çapı : Ø1 ~ Ø12

SPLFE4000(Uzun Düz)



Ağız sayısı : 4
Kesme çapı : Ø1 ~ Ø12

Yekpare Parmak Frezeler

► R+ Freze

EM09CA(Kaba Talaş)

Finiş yapabilen Kaba Freze



Ağız sayısı : 4
Kesme çapı : Ø6.0 ~ Ø20.0

EM11CA(Kaba Talaş)

Alüminyumun Kıvrımlı formu için Kaba Freze



Ağız sayısı : 3
Kesme çapı : Ø6.0 ~ Ø25.0

EM36CA(Kaba Talaş)

İnce Hatveli Uzun Tip Kaba Freze

- Yüksek helis açısı, düzensiz kanal aralığı ve adım



Ağız sayısı : 4
Kesme çapı : Ø5 ~ Ø20

EM37CA(Kaba Talaş)

İnce Hatveli Kaba Freze



Ağız sayısı : 4
Kesme çapı : Ø5 ~ Ø20

EM38CA(Kaba Talaş)

Standart Kaba Freze



Ağız sayısı : 4
Kesme çapı : Ø5 ~ Ø20

EM43CA(Kaba Talaş)

İnce Hatveli Standart Kaba Freze

- Yüksek helis açısı, düzensiz kanal aralığı ve adım



Ağız sayısı : 4
Kesme çapı : Ø5 ~ Ø20

EM11PM(Kaba Talaş)

4F Kaba Freze



Ağız sayısı : 4
Kesme çapı : Ø6 ~ Ø20

EM16PM(Kaba Talaş)

İnce Hatveli Kaba Freze

- Düzensiz kanal aralığı



Ağız sayısı : 4
Kesme çapı : Ø6 ~ Ø20

EM17PM(Kaba Talaş)

İnce Hatveli Kaba Freze

- Düzensiz kanal aralığı



Ağız sayısı : 4
Kesme çapı : Ø6 ~ Ø20

EM06H9(Kaba Talaş)

Kaba Freze



Ağız sayısı : 4
Kesme çapı : Ø6 ~ Ø50

Yekpare Parmak Frezeler

► I+ Freze

IPFE2000(Düz)



Ağız sayısı : 2
Kesme çapı : Ø1 ~ Ø20

IPFE4000(Düz)



Ağız sayısı : 4
Kesme çapı : Ø1 ~ Ø20

IPLFE2000(Uzun Düz)



Ağız sayısı : 2
Kesme çapı : Ø6 ~ Ø12

IPLFE4000(Uzun Düz)



Ağız sayısı : 4
Kesme çapı : Ø6 ~ Ø12

IPBE2000(Küre)



Ağız sayısı : 2
Kesme çapı : Ø0.5 ~ Ø10

IPBE4000(Küre)



Ağız sayısı : 4
Kesme çapı : Ø0.5 ~ Ø10

IPLBE2000(Uzun Küre)



Ağız sayısı : 2
Kesme çapı : Ø0.5 ~ Ø8

IPRE2000(Radyüs)



Ağız sayısı : 2
Kesme çapı : Ø1 ~ Ø12

IPRE4000(Radyüs)



Ağız sayısı : 4
Kesme çapı : Ø2 ~ Ø12

IPLRE2000(Uzun Radyüs)



Ağız sayısı : 2
Kesme çapı : Ø3 ~ Ø12

IPLRE4000(Uzun Radyüs)



Ağız sayısı : 4
Kesme çapı : Ø3 ~ Ø12

Yekpare Parmak Frezeler

► Alüminyum için Parmak Frezeler

SSEA2000(Düz)



Ağız sayısı : 2
Kesme çapı : Ø1 ~ Ø20

SSEA3000(Düz)



Ağız sayısı : 3
Kesme çapı : Ø2 ~ Ø16

SSBEA2000(Küre)



Ağız sayısı : 2
Kesme çapı : Ø1 ~ Ø20

► A+ Freze

APFE2000(Düz)



Ağız sayısı : 2
Kesme çapı : Ø2.5 ~ Ø20

APFE3000(Düz)



Ağız sayısı : 3
Kesme çapı : Ø2 ~ Ø16

APLFE2000(Uzun Düz)



Ağız sayısı : 2
Kesme çapı : Ø3 ~ Ø20

APLFE3000(Uzun Düz)



Ağız sayısı : 3
Kesme çapı : Ø2 ~ Ø16

APBE2000(Küre)



Ağız sayısı : 2
Kesme çapı : Ø1 ~ Ø12

APBE3000(Küre)



Ağız sayısı : 3
Kesme çapı : Ø4 ~ Ø25

► C-Max Frezeler

CFE2000(Düz)



Ağız sayısı : 2
Kesme çapı : Ø1 ~ Ø12

CFNE2000(Uzun Boyunlu Düz)



Ağız sayısı : 2
Kesme çapı : Ø0.5 ~ Ø4

CBE2000(Küre)



Ağız sayısı : 2
Kesme çapı : Ø1 ~ Ø12

CBNE2000(Uzun Boyunlu Düz)



Ağız sayısı : 2
Kesme çapı : Ø0.5 ~ Ø4

CRE2000(Radyüs)



Ağız sayısı : 2
Kesme çapı : Ø2 ~ Ø12

CRNE2000(Uzun Boyunlu Düz)



Ağız sayısı : 2
Kesme çapı : Ø1 ~ Ø4

Yekpare Parmak Frezeler

► D Freze

DFE2000(Düz)



Ağız sayısı : 2
Kesme çapı : Ø1 ~ Ø12

DFE4000(Düz)



Ağız sayısı : 4
Kesme çapı : Ø2 ~ Ø12

DBE2000(Küre)



Ağız sayısı : 2
Kesme çapı : Ø0.6 ~ Ø12

DBE4000(Küre)



Ağız sayısı : 4
Kesme çapı : Ø2 ~ Ø12

► PCD Parmak Frezeler

PDE1000(Düz)



Ağız sayısı : 1
Kesme çapı : Ø4.6 ~ Ø6

PDE2000(Düz)



Ağız sayısı : 2
Kesme çapı : Ø6.0 ~ Ø12

► Micro Parmak Frezeler

MSE2000(Düz)



Ağız sayısı : 2
Kesme çapı : Ø0.2 ~ Ø1

MSBE2000(Küre)



Ağız sayısı : 2
Kesme çapı : Ø0.2 ~ Ø1

Kalite/ Talaş Kırıncılar

Uçlar

Tornalama Takımları

Frezeleme Takımları

Parmak Frezeler/Matkaplar

Kalite ve Talaş Kırıncılar Karşılaştırılması

Karbür Matkaplar

► Kaynaklı Parmak Frezeler

ZSE200(Düz)



Ağız sayısı : 2
Kesme çapı : Ø14 ~ Ø50

ZSE300(Düz)



Ağız sayısı : 3
Kesme çapı : Ø14 ~ Ø50

ZSE400(Düz)



Ağız sayısı : 4
Kesme çapı : Ø14 ~ Ø50

ZSE600(Düz)



Ağız sayısı : 6
Kesme çapı : Ø34 ~ Ø50

ZSEA200(Düz)



Ağız sayısı : 2
Kesme çapı : Ø15 ~ Ø50

ZSEL200(Uzun Düz)



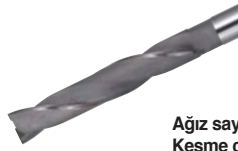
Ağız sayısı : 2
Kesme çapı : Ø14 ~ Ø50

ZSEL400(Uzun Düz)



Ağız sayısı : 4
Kesme çapı : Ø16 ~ Ø40

ZSEXL200(Uzun Düz)



Ağız sayısı : 2
Kesme çapı : Ø20 ~ Ø25

ZSBE200(Küre)



Ağız sayısı : 2
Kesme çapı : Ø13 ~ Ø50

► Mach Matkap

MSD

MSD□□□□-□P/M/K/N



Boy oranı(L/D) : 3, 5, 7
Kesme çapı : Ø2.5 ~ Ø20

MSDH

MSDH□□□□-□P/M/K/N

Yağ delikli tip



Boy oranı(L/D) : 3, 5, 7
Kesme çapı : Ø2.5 ~ Ø20

Karbür Matkaplar

► Mach Matkap Plus

MSDP

MSDP□□□□-□P/M/K/N



Boy oranı(L/D) : 3, 5, 7
Kesme çapı : Ø1.0 ~ Ø2.4

MSDP(H)

MSDPH□□□□-□P/M/K/N

Yağ delikli tip



Boy oranı(L/D) : 3, 5, 7
Kesme çapı : Ø2.5 ~ Ø20

► MSFD

MSFD

MSFD□□□□-□P



Boy oranı(L/D) : 2, 3
Kesme çapı : Ø2.5 ~ Ø12.0

MSFDH

MSFDH□□□□-□P

Yağ delikli tip



Boy oranı(L/D) : 2, 3
Kesme çapı : Ø2.5 ~ Ø12.0

► Mach Uzun Matkap

MLDP

MLDP□□□□□-□



Boy oranı(L/D) : 5, 7
Kesme çapı : Ø3 ~ Ø10

MLD

MLD□□□□□-□



Boy oranı(L/D) : 20, 25
Kesme çapı : Ø3 ~ Ø10

► Mach Uzun Matkap Plus

MLDP

MLD□□□□□N-□□P/K/N



Boy oranı(L/D) : 10, 15, 20, 25
Kesme çapı : Ø3 ~ Ø10

► Vulcan Matkap

VZD(MA, MBA)

Kaynaklı tip
Kesme çapı :
Ø12.6 ~ Ø40.5



Özel ölçüde sipariş verilebilir.

VZD(LA, LBA)

Kaynaklı tip
Kesme çapı :
Ø12.6 ~ Ø40.5



Özel ölçüde sipariş verilebilir.

► Karbür Matkaplar

SSDP

Komple karbür
Kesme çapı :
Ø1 ~ Ø15



Genel kullanım için

Takma Uçlu Matkaplar

► Takma Uçlu Matkap Serisi

KING DRILL(2D/3D/4D/5D)

Ø12 - Ø60.5mm



Uç İç	Dış
SP□T040204-□□	XO□T040204-□□
SP□T050204-□□	XO□T050204-□□
SP□T060205-□□	XO□T060204-□□
SP□T07T208-□□	XO□T07T205-□□
SP□T090308-□□	XO□T090305-□□
SP□T11T308-□□	XO□T11T306-□□
SP□T130410-□□	XO□T130406-□□
SP□T15M510-□□	XO□T15M508-□□
SP□T180510-□□	XO□T180508-□□

KING DRILL-HP(2D/3D/4D)

Ø13 - Ø29mm



Uç İç	Dış
SP□T040204-□□	XO□T040204-□□
SP□T050204-□□	XO□T050204-□□
SP□T060205-□□	XO□T060204-□□
SP□T07T208-□□	XO□T07T205-□□
SP□T090308-□□	XO□T090305-□□

KING DRILL(K2D/K3D/K4D)

KING DRILL- Kartuşlu Tip
Ø61 - Ø100mm



Uç İç	Dış
KDC6165C	KDC6165P
KDC6570C	KDC6570P
KDC7075C	KDC7075P
KDC7580C	KDC7580P
KDC8085C	KDC8085P
KDC8590C	KDC8590P
KDC9095C	KDC9095P
KDC95100C	KDC95100P

KING DRILL Uçlar

	(Genel)	(Yumuşak Çelik, Paslanmaz)	(Alüminyum)
İç			
Dış			
	SPMT-PD	SPMT-LD	SPET-ND
	XOMT-PD	XOMT-LD	XOET-ND

TPDC(3D/5D/8D)

Ø12 - Ø19.99mm



Uç		
TPDC1200CP	TPDC1500CP	TPDC1810CP
TPDC1220CP	TPDC1550CP	TPDC1850CP
TPDC1250CP	TPDC1600CP	TPDC1860CP
TPDC1260CP	TPDC1630CP	TPDC1870CP
TPDC1300CP	TPDC1650CP	TPDC1900CP
TPDC1350CP	TPDC1670CP	TPDC1920CP
TPDC1400CP	TPDC1700CP	TPDC1950CP
TPDC1420CP	TPDC1750CP	TPDC1970CP
TPDC1430CP	TPDC1770CP	
TPDC1450CP	TPDC1800CP	

TPDB(3D/5D/8D)

Ø10 - Ø32.9mm



Uç
TPD100B-TPD329B

WPDC(5D/6.5D/8D)

Standart tip
Ø25 - Ø40mm



Uç
WC□T030204-C21
WC□T040204-C21
WC□T050308-C21

WPDC(5D/6.5D/8D)

Tek uçlu kartuşlu tip
Ø41 - Ø59mm



Uç
WC□T06T308-C21
WC□T080408-C21

WPDC(5D/6.5D/8D)

Çift uçlu kartuşlu tip
Ø60 - Ø80mm



WSP
WC□T050308-C21
WC□T06T308-C21

Takma Uçlu Parmak Frezeler

► Takma Uçlu Parmak Frezeler

BFE

Ø16 - Ø32mm



Uç

RC16
RC20
RC25
RC30
RC321

BRE

Ø20 - Ø50mm



Çelik Gövde

SDMT090308-MM
SPMT060304
SPMT120408-MM
SPMT120508-MMN
ZDMT080310R-MM
ZDMT110312.5R-MM
ZDMT130416R-MM
ZPMT160520R-MM
ZPMT160525R-MM
ZPMT160531.5R-MM
ZPMT160525R-MR

GBE

Tek Kenarlı
Ø16 - Ø50mm



İç : M

diş : S

ZPET080M(S)-MM
ZPET090M(S)-MM
ZPET100M(S)-MM
ZPET110M(S)-MM
ZPET125M(S)-MM
ZPET130M(S)-MM
ZPET140M(S)-MM
ZPET150M(S)-MM
ZPET160M(S)-MM
ZPET200M(S)-MM
ZPET250M(S)-MM

GBE-M

Çok Kenarlı
Ø20 - Ø50mm



İç : M
diş : S

ZPET100M(S)-MM
ZPET110M(S)-MM
ZPET125M(S)-MM
ZPET130M(S)-MM
ZPET140M(S)-MM
ZPET150M(S)-MM
ZPET160M(S)-MM
ZPET200M(S)-MM
ZPET250M(S)-MM

Dış Ana Uçlar :

SPMT060304
SDMT090308-MM
SPMT120408-MM

GBEM

Ø16 - Ø32mm



İç : M
diş : S

ZPET080M(S)-MM
ZPET090M(S)-MM
ZPET100M(S)-MM
ZPET110M(S)-MM
ZPET125M(S)-MM
ZPET130M(S)-MM
ZPET140M(S)-MM
ZPET150M(S)-MM
ZPET160M(S)-MM
ZPET200M(S)-MM
ZPET250M(S)-MM

* Uygun adaptörler için 88. sayfaya bakınız.

► Laser Mill Serisi

LBE(08/10/12/16/20/25/30/32)

Karbür Gövde - Küre, Köşe R
(Silindirik tip)



LBE080080S-S08C	LBE200120S-S20C
LBE080100S-S08C	LBE200170S-S20C
LBE080020S-S08C-130	LBE200035S-S20C-190
LBE080020S-S08C-150	LBE200035S-S20C-240
LBE100080S-S10C	LBE250140S-S25C
LBE100120S-S10C	LBE250170S-S25C
LBE100023S-S10C-130	LBE250040S-S25C-220
LBE100023S-S10C-170	LBE250040S-S25C-250
LBE120100S-S12C	LBE300140S-S32C
LBE120150S-S12C	LBE300170S-S32C
LBE120025S-S12C-150	LBE300050S-S32C-230
LBE120025S-S12C-200	LBE300050S-S32C-260
LBE160100S-S16C	LBE320140S-S32C
LBE160150S-S16C	LBE320170S-S32C
LBE160030S-S16C-160	LBE320050S-S32C-230
LBE160030S-S16C-210	LBE320050S-S32C-260

LBE(08/10/12/16/20/25/30/32)

Çelik Gövde - Küre, Köşe Rad.
(Konik tip)



LBE080035T-S12	LBE160100T-S20
LBE080055T-S12	LBE200075T-S20
LBE080075T-S12	LBE200115T-S25
LBE100035T-S12	LBE250090T-S25
LBE100055T-S12	LBE250135T-S32
LBE100075T-S12	LBE300105T-S32
LBE120055T-S12	LBE300160T-S32
LBE120085T-S16	LBE320105T-S32
LBE160065T-S16	LBE320160T-S32

LBE(12/16/20/25/30/32)

Çelik Gövde - Küre, Köşe Rad.
(Silindirik tip)



LBE120035S-S12
LBE160035S-S16
LBE200040S-S20
LBE250045S-S25
LBE300055S-S32
LBE320055S-S32

LRE(10/12/16/20/25/30/32)

Karbür Gövde - Köşe Radyüslü
(Silindirik tip)



LRE100080S-S10C	LRE200035S-S20C-190
LRE100120S-S10C	LRE200035S-S20C-240
LRE100023S-S10C-130	LRE250140S-S25C
LRE100023S-S10C-170	LRE250170S-S25C
LRE120100S-S12C	LRE250040S-S25C-220
LRE120150S-S12C	LRE250040S-S25C-250
LRE120025S-S12C-150	LRE300140S-S32C
LRE120025S-S12C-200	LRE300170S-S32C
LRE160100S-S16C	LRE300050S-S32C-230
LRE160150S-S16C	LRE300050S-S32C-260
LRE160030S-S16C-160	LRE320140S-S32C
LRE160030S-S16C-210	LRE320170S-S32C
LRE200120S-S20C	LRE320050S-S32C-230
LRE200170S-S20C	LRE320050S-S32C-260

Takma Uçlu Parmak Frezeler

► Laser Mill Serisi

LRE(10/12)

Çelik Gövde - Küre, Köşe Rad.
(Konik tip)

LRE100025T-S12
LRE100050T-S12
LRE120060T-S16



LRE(12/16/25/30/32)

Çelik Gövde - Köşe Radyüslü
(Silindirik tip)

LRE120030S-S12
LRE160050S-S16
LRE160060S-S16
LRE200060S-S20
LRE200080S-S20
LRE250070S-S25
LRE250100S-S25
LRE300070S-S32
LRE300100S-S32
LRE320080S-S32
LRE320100S-S32



LBE(MHD)



LBE100-MHD-M06
LBE120-MHD-M06
LBE160-MHD-M08
LBE200-MHD-M10
LBE250-MHD-M12
LBE300-MHD-M16
LBE320-MHD-M16

• Uygun adaptörler için 88. sayfaya bakınız

► Modüler Kafa için Şaft Adaptörü

MAT(Çelik Gövde)

(HFMM, FMRM, LBE, PAM, PAXM, AMM, RM4PM, RM4ZM, HRMM, HRMDM, GBEM)



MAT-M06-020-S10S
MAT-M06-020-S12S
MAT-M06-040-S12S
MAT-M08-020-S16S
MAT-M10-030-S20S
MAT-M12-030-S25S
MAT-M16-035-S32S
MAT-M06-040-S12T
MAT-M06-065-S16T
MAT-M06-065-S16T
MAT-M08-080-S16T
MAT-M08-040-S16T
MAT-M08-065-S16T
MAT-M08-080-S20T
MAT-M08-110-S25T
MAT-M10-050-S20T
MAT-M10-070-S20T
MAT-M10-090-S25T
MAT-M10-110-S25T
MAT-M10-130-S32T
MAT-M12-050-S25T
MAT-M12-070-S25T
MAT-M12-090-S25T
MAT-M12-110-S32T
MAT-M12-175-S40T
MAT-M16-055-S32T
MAT-M16-080-S32T
MAT-M16-120-S32T
MAT-M16-175-S40T

MAT-C(Karbür Gövde)

(HFMM, FMRM, LBE, PAM, PAXM, AMM, RM4PM, RM4ZM, HRMM, HRMDM, GBEM)



MAT-M06-030-S10S-C-80
MAT-M06-050-S10S-C-100
MAT-M06-080-S10S-C-130
MAT-M06-030-S10S-C-80
MAT-M06-050-S10S-C-100
MAT-M06-080-S10S-C-130
MAT-M08-010-S16S-C-150
MAT-M08-010-S16S-C-180
MAT-M08-010-S16S-C-250
MAT-M10-010-S20S-C-170
MAT-M10-010-S20S-C-200
MAT-M10-010-S20S-C-300
MAT-M12-015-S25S-C-170
MAT-M12-015-S25S-C-200
MAT-M12-015-S25S-C-300
MAT-M16-020-S32S-C-180
MAT-M16-020-S32S-C-210
MAT-M16-020-S32S-C-300
MAT-M08-080-S16S-C
MAT-M08-110-S16S-C
MAT-M08-150-S16S-C
MAT-M10-090-S20S-C
MAT-M10-110-S20S-C
MAT-M10-175-S20S-C
MAT-M12-090-S25S-C
MAT-M12-110-S25S-C
MAT-M12-175-S25S-C
MAT-M16-090-S32S-C
MAT-M16-120-S32S-C
MAT-M16-175-S32S-C

Talaş Kırıcıların Karşılaştırılması

► Comparison of Chip Breakers

Uygulama			KORLOY	KYOCERA	TAEGUTEC	SUMITOMO	SANDVIK	KENAMETAL	ISCAR	WLATER	MITSUBISHI	SECO			
Negatif	P	Çelik	Ultra-Finiş	- VL	DP(G) GP, PP	- FA	- FA, FL	- QF	FF(G) UF	- SF	- NF3	PK(G) FH, FS	- FF1		
			Finiş	VF VB	HQ -	FG SF	LU, SU SE	PF 61	FN -	NF F3M	NF4 PF5	SH, C LP	FF2 -		
				Orta/Finiş	VQ, VC LP	CQ PQ	MC FC	SX -	- -	LF, CT -	TF -	NS6 MP3	SA, C() MV	MF2, MF3 MF5	
			Orta		VM MP	HK, CS, GS HS, PS -	MP, MT PC	GU, UX GE	QM, SM PM	MP, MN -	GN M3M	NM4, NP5 NM5, NM6	MA, MH MP	M3, M5 -	
				Kaba	B25 GR	All round PT, GT, HT, PH	All round RT	All round MU, ME, MX	- PR	- RN	- NR, R3M	- NM9, PP5	All round GH, RP	M5 MR5, MR6, MR7	
			Ağır koşulda işleme		GH VH VT	PX HX -	RH, RX HZ HT, HY	HG, MP HP HU, HW, HF	PR QR HR	RH RM MM	NM HR -	NR4, NRF NR8 -	HZ HV, HX, HAX HBS, HCS, HDS, HXD	R4,R5 R6, R7, R8 RR6, PR9, R56, R57, R68	
		Düşük karbonlu Çelik		Yumuşak Çelik	VL -	XF, XP, XP-T XQ, XS	SF -	FL -	LC -	- -	- -	- -	FY SY	- -	
		Yüksek ilerleme	Yüksek ilerlemeli kesim		VW LW -	WP WQ -	WS WT -	LUW, SEW GUW -	WF, WL WM, WMX WR	FW MW RW	WF WG -	NF NM -	SW MW -	FF2, MF2 MF5, M3 R4, R7	
				Uygulama	Şaft(uzun çubuk)	SH KNUX-	CJ, ST KNMX-	FS, VF, FX KNUX-	HM -	K KNUX-71	- -	- -	- -	ES KNMX-19	UX -
		M	Paslanmaz Çelik	VP2 MM RM	MQ, GU HU, TK, MU MS	EA MP, EM ET	SU EX, GU MU, HM	MF MM MR	FP MP RP	F3P M3M R3M	NF4 NM4 NR4	LM MA, GM, MM RM	MF1 MF3 M5		
	Döküm			MP GR, VR -MA	C ZS -MA, GC	MT RT KT -MA	UZ UX, GZ -MA	KF KM KR	FN RP UN	TF GN -MA	NM, MK5 NM5, RK5 -MA, MK5	LK MA, MK GH, -MA, RK	M4 M5 MR7		
		HRSA		VP1 VP2 VP3 VP4	MQ TK MU MS	EA ML EM ET	EF UP, EG EX MU	- 23.SR Xcel-SM -	FS, LF MS MP RP	PF PP VL -	NF4 - NM4 NR4	FJ(G), LS MJ MS, MS GJ, RS	M1 MF1 MF4 MR4		
	N		Aluminium		HA	AH	ML	UP(GX), AG	23	MS	PP	-	MJ	MF1	
	Pozitif		P M K	Uygulama	Finiş	VL VF	XP GP	FA -	LU FP, FC, SI	PF UF	UF -	- PF	PF PF, PF2	FV SV	FF1 F1
						Orta	HMP MP	XQ HQ, CK	FG PC	- SU, SC	PM UM	LF -	14 SM	- PF4, PF5	- MV
		Kaba			C25			MT	MU	PR, UR	MF	-	PM5		M5
Paslanmaz Çelik					VP1 VL	CF, GF, GQ MQ	FG SA	FC -	KF KM	LF MF	PF SM	PM PM5	FJ, LM AM, MM	F1 MF2	
		Döküm	MP C25	GK HQ	PC MT	MU C/B	UM KR	LF MF, UF	17 19	- C/B		C/B	M3 M5		
Aluminium			AK, AR	AH	FL	AW, AG	AL	HP	AS, AF	PM2	F	AL			
		Yüksek hassasiyette mil tornalama (tolerans sınıfı G&E)			KF, KM	FSF, USF	GF, FF	FY, FX, FZ	UM	-GH	LF, RF, XL	-	F, SR, SS, SM	UX	

Kalite/Talaş Kırıcılar

Uçlar

Tomalama Takımları

Frezeleme Takımları

Parmak Frezeler/Matkaplar

Kalite ve Talaş Kırıcıların Karşılaştırılması

Tornalama Kalitelerinin Karşılaştırılması

➤ WC

ISO	KORLOY	SUMITOMO	KYOCERA	ISCAR	SANDVIK	SECO	KENAMETAL	TOSHIBA	mitsubishi	HITACHI	VALENITE	WALTER	TAEGUTEC	NTK	DIJET
Tornalama	P	ST50E ST10P ST20E MA2 A30 A30 ST30N ST40	ST10 ST20 ST30A ST40		S1P SM30 S30T S6			TX10S TX20 TX30 TX40	STi10T STi20T UTi20T	SRN5 WS20B EX35 EX40 EX45	S1F VC6 VC5 VC56		P10 P20 P30 P40		
	M	U10 U2 A40	U10 U20 ST30A A40		H13A H10F	AT10 AT15 TTR	K2885 K2S	TU10 TU20 TU40	UTi20T	WAM10B EX35	VC27 VC28		M10 M20 M40		
	K	H02 H01 H05 H10 G10E	H1 G10		IC4 IC20 IC28	H1P H10F	THM THR	K68 K8735	TH03 TH10 KS20	HTi10T HTi20T	WH05 WH20 VC3 VC2 VC1		K10 K20 K20M K30		

➤ CVD Kaplamalı

ISO	KORLOY	SUMITOMO	KYOCERA	ISCAR	SANDVIK	SECO	KENAMETAL	TOSHIBA	mitsubishi	HITACHI	VALENITE	WALTER	TAEGUTEC	NTK	DIJET
Tornalama	P	NC3010 NC3215★ NC3220 NC3225★ NC3120 NC3030 NC500H NC5330	AC805P AC810P AC700G AC900G AC820P AC2000 AC830P	CA5505 CA510 CA515 VP5115 CA5515 CA525 VP5125 CA5525 CR9025 CA5535 CA530		GC4305 GC4205 GC4315 GC4215 GC4325 GC4225 GC4235	TP0500 TP0501 TP1500 TP1501 TGP25 T25M TP2500 TP2501 TGP35 T350M TP3500 TGP45	KCP05 KCP05B KCP10 KCP10B KCP25 KCP25B KCP30 KCP30B KCP40 KCP40B	T9105 T9115 T9125 T9135	UE6105 UE6110 MY5015 MC6025 UE6020 GM8035	VP5515 VP5525 VP5535	WPP10S WKP13S WPP20S WKP23S WPP30S WKP33S	TT8105 TT8110 LC015P TT8115 TT8120 LC025P TT8125 TT5100 TT8135 TT7100	CP5	JC110V JC215V JC325V JC450
	M	NC9020 NC9025	AC610M AC630M AC6030M	CA6515 CA6525	GC2015 GC2025	TM2000 TM4000	KCM15 KCM15M KCM25 KCM25B KCM35 KCM35B	T6120 T6130	MC7015 MC7025 US7020 US735	GM25 GX30	VP8515 VP8525	WAM10 WMP20S WAM20 WAM30	TT9215 TT9225 TT9235		
	K	NC6205 NC6210 NC6215★	AC405K AC415K AC420K	CA4505 CA4010 CA4515 CA4115 CA4120	GC3205 GC3210 GC3215 GC3225	TK1001 TK2001 TGM1500	KCK05 KCK05B KCK15 KCK15B KCK20 KCK20B	T5105 T5115 T5125	MC5005 UC5105 MC5015 UC5115	HG3505 HG3515	VP1505 VP1510 VP1515	WKK10S WKK20S WAK30	TT7005 TT7310 TT7015 TT6300	CP2 CP5	JC105V JC110V JC215V

➤ PVD Kaplamalı

ISO	KORLOY	SUMITOMO	KYOCERA	ISCAR	SANDVIK	SECO	KENAMETAL	TOSHIBA	mitsubishi	HITACHI	VALENITE	WALTER	TAEGUTEC	NTK	DIJET
Tornalama	P	PC8110 PC230 PC5300 PC8115★ PC3545		PR1005 PR915 PR1115 PR930 PR1025 PR630 PR660	IC507 IC808 IC830 IC908 IC3028 IC330		KU10T KU25T	AH710 GH730 AH330 AH740 AH120 GH330	VP15TF VP20MF	IP2000 IP3000	VC907 VC927 VC905	WTA43 WTA41	TT5030		JC5003 JC5015
	M	PC8110★ PC8115★ PC5300★ PC9030 PC5400★	AC510U EH510Z AC520U EH520Z AC530U	PR915 PR930 PR1125 PR630 PR660	IC808 IC907 IC1005 GC1105 GC1020 GC1025 GC4125 IC830	CP200 CP250 CP500	KC5010 KC5510 KC5025 KC5525	AH330 GH330 AH120 GH730 AH140 AH630	MP9005 VP10RT VP15TF VP20MF MP7035	IP50S IP100S	VC929 VC927 VC902 VC901 VC905	WSM10S WSM20S WSM30S WSM40S	TT5030 TT8020	ZM3 QM3 VM1 TAS	JC5003 JC5015
	K	PC5300	EH510Z EH520Z		IC5100 IC810 IC220 IC908 IC228	CP200 CP250 CP500		AH110 GH110 AH120		CY110H	VC929 VC903 VC927 VC902 VC901 VC907		TT5030		
Tornalama	S	PC8105 PC8110 PC8115★ PC5300 PC5400★	AC510U AC520U	PR915 PR660 PR1325	IC808 IC907 IC3028 IC328	GC1105 GC1025 GC2035	TS2000 CP500 TS2500	KC5010 KC5025	AH110 AH120	VP05RT VP10RT VP15TF MP7035		WSM10 WSM20 WSM30	TT5030		

➤ Sermet

ISO	KORLOY	SUMITOMO	KYOCERA	ISCAR	SANDVIK	SECO	KENAMETAL	TOSHIBA	mitsubishi	HITACHI	VALENITE	WALTER	TAEGUTEC	NTK	DIJET
Tornalama	P	CC1500★ CN1500★ CC115★ CN2000 CN2500★ CN20	T110A T2000Z★ T1500A T3000Z★	PV30★ TN30 PV7020★ TN60 TN620 TN90 PV90★	IC20N IC520N IC30N IC530N	CT5015 CT525 GC1525★	CM C15M TP1020 TP1030★	HT2 KT125 HT5 KT175 KT195M	NS520 GT530★ NS530 NS9530 GT9530★ NS540 NS730	NX2525 NX3035 UP35N★ AP25N★ NX335 MP3025★	CH350 CZ25★ CH530 CH550 CH570	VC83	WTA43★ WTA41★	PV3010★ CT3000	T3N T15 N20 C30 N40 LN10 CX50 CX75 CX90 CX99
	M														
	K	CN1500★ CN2500★	T110A						NX2525				CT3000	T15	LN10 CX75

★ : Yeni kalite ★ : PVD kaplamalı sermet

Frezeleme Kalitelerinin Karşılaştırılması

► CVD Kaplamalı

ISO	KORLOY	SUMITOMO	KYOCERA	ISCAR	SANDVIK	SECO	KENAMETAL	TOSHIBA	MITSUBISHI	HITACHI	VALENITE	WALTER	TAEGUTEC	NTK	DIJET
Frezeleme	P	NC5330 NC5340★ NCM325 NC5350★ NCM335	ACP100	IC5400	GC4210 GC4220 GC4230	MP1500 MP2500 MM4500	KCPM20 KCMP30 KC927M	T3130	FH7020 F7030		SM245	WKP25S WKP35S	TT8515 TT7800		
	M	NC5330 NC5340★ NCM325 NC5350★ NCM335	ACP400		GC2040	MP2500 MM4500		T3130	F7030						
	K	NC5330 NC5340★ NC5350★	ACK200	IC5100	GC3330 GC3040	MK1500 MK2000 MK3000	KC907M KCK15 KC914M KCPK30 KC917M KC924M	T1115 T1015	MC5020			WAK15 WKK25 WKP25S WKP35S	TT7515 TT6800		

► PVD Kaplamalı

ISO	KORLOY	SUMITOMO	KYOCERA	ISCAR	SANDVIK	SECO	KENAMETAL	TOSHIBA	MITSUBISHI	HITACHI	VALENITE	WALTER	TAEGUTEC	NTK	DIJET
Frezeleme	P	PC2005★ PC2010★ PC2015★ PC210F★ PC3600 PC3500	ACZ310	PR730	IC903 IC908 IC950	MP3000	KC522M KUC20M	GH330	MP6120	ATH80D PCA08M ACS05E PCA12M PC20M JX1005 TB6005 JX1020 CY9020	VC935	WKP25	TT7070 TT7080 TT7030	QC3 ZM3	JC5003 JC5015
		ACZ330	PR630	IC1008	GC1025 GC1030	F25M F30M	KC525M KUC30M	AH120	VP15TF UP20M	CY250 PTH30E		WKP35	TT8020		JC5030 JC5040
		PC5300	ACP300 ACZ350	PR660	IC928	GC1030	KC935M KC7140 KC720	AH3135	VP30RT	JM4160 PTH40H		WKP45			
	M	PC5300	ACM100 ACP200	PR730	IC903		KC5510 KC7020	AH120		JX1020 CY9020 JX1015 TB6020 CY250	VC928 VC902 VC901		TT9030	QC3 ZM3	JC5003 JC5015
		PC9530	ACM300 ACP300 ACZ350	PR1025 PR630 PR660 PR1535	IC900 IC250 IC928	GC1125 GC1025 GC2030 GC1030	F25M F30M F40M	KC522M KC725M KC735M KC7030	MP7130	JX1045 TB6045		WQM35 WSM35S WSP45 WSM45S	TT9080		JC5030 JC5040
		PC5400★ PC3545		PR660	IC328		KC722	AH3135	MP7140	JX1060 TB6060			TT8020		
	K	PC8110★ PC6510		PR510 PR905	DT7150 IC900 IC910 IC950 IC350		MK2050		VP10MF VP15TF		VC903 VC928		TT6290		JC5003
		PC5300					KC520M	AH120	VP20RT		VC902 VC901		TT6030 TT6060		JC5015
	S	PC5300 PC5400★	AC520U	PR620 PR660 PR1535	IC328 IC408	GC1025 GC1040 S40T	F40M MS2050		VP15TF VP30RT MP9130	ACS05E		WSM35S WSM45S	TT9030 TT8020 TT8080		

► Sermet

ISO	KORLOY	SUMITOMO	KYOCERA	ISCAR	SANDVIK	SECO	KENAMETAL	TOSHIBA	MITSUBISHI	HITACHI	VALENITE	WALTER	TAEGUTEC	NTK	DIJET
Frezeleme	P	CN2000 CN20 CN30	T250A	TN100M TC60M	IC30N		KT195M	NS540 NS740	NX2525 NX4545	CH550 CH570			CT3000 CT7000	C50	
	M		T250A		CT530										
	K								NX2525						

★ : Yeni kalite ★ : PVD kaplamalı sermet

Grades / Chip Breakers

Inserts

Turning Tools

Milling Tools

Endmills / Drills

The Comparison of Chip Breakers, Grades

www.korloy.com



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