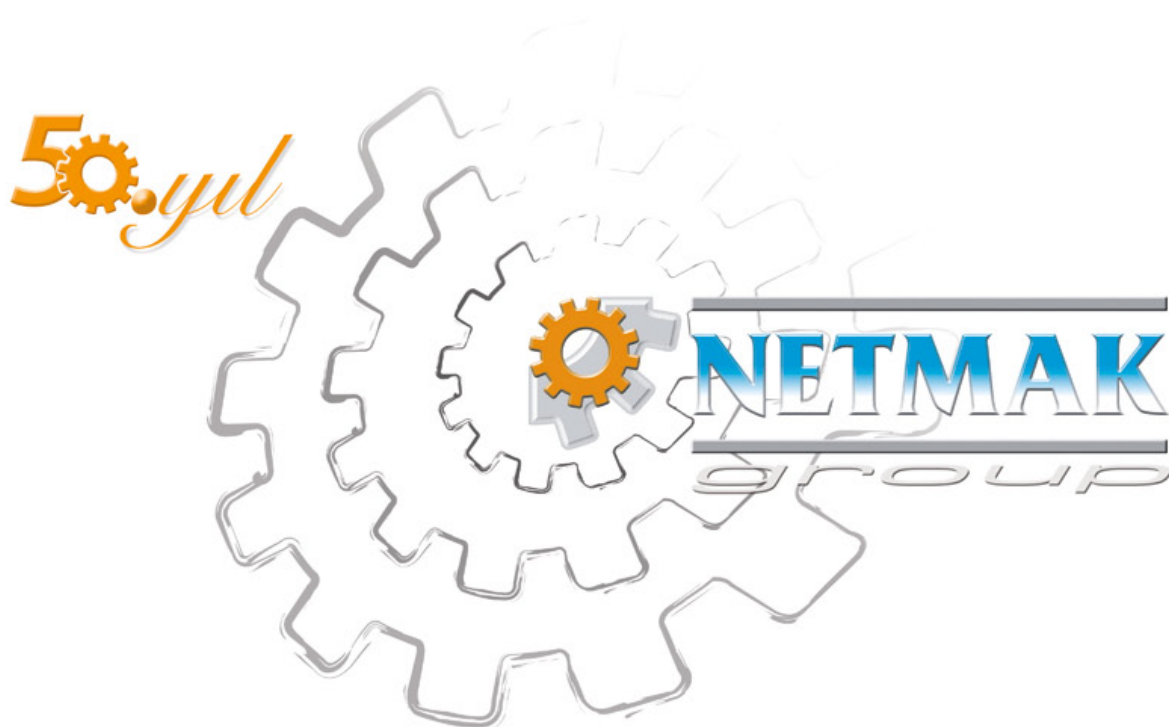




Woodworking Tools 2022





Necati TÜRKSEVER

Hakkımızda ;

1972 yılında marangoz freze, kalınlık makineleri, kesici takımları üretimi ve bileme konularında faaliyetlere geçen firmamız, bugün toplamda 3 şirketiyle yaklaşık 8000m2 alanda son teknoloji makine parkı ile sadece iç piyasaya değil aynı zamanda da dünya pazarlarına yönelik üretim yapmaktadır.

NETMAK, geçen yıllarda, makine ve bıçak üretimleriyle pazarın gereksinimlerini karşılamış, gelişen yapısı ve teknolojiyle dış pazarda da farklılıklar yaratmıştır. Günümüzde NETMAK ürünleri, tüketicilerinin her türlü gereksinimini karşılamaktadır. Ar-ge faaliyetlerimiz, firmamızı teknoloji geliştirme ve endüstriyel dizayn konusunda dünya çapında müşteri isteklerini karşılayabilecek önemli bir araçtır.

NETMAK, bugün Türkiye’de kesici takımlar konusunda uzmanlaşmış elemanları ile iç piyasaya % 100’ lük bir hizmet verirken, yurt dışı müşteri portföyü ile de özellikle Ortadoğu ve Türkiye Cumhuriyetleri’ de yoğun olarak talep edilen, bilinen bir marka olmuştur ve NETMAK ürünleri bir çok ülkede yaygınlaşarak kullanılmaktadır. Her projeye müşteri memnuniyetini ilke edinen NETMAK, ürünlerinin onarımını ve yenileştirilmesini de üstlenmiş, yıpranmış kesici takımlarını CNC kontrollü tezgahlarda en son sistemle revize ederek, müşterinin tekrar üretimde kullanmasını sağlamaktadır. Misyonumuz tasarımdan üretim ve satış sonrası hizmetlere kadar her aşamada koşulsuz müşteri memnuniyetini sağlamak, gelişen dünyamızda farklılaşan gereksinimlere uygun çözümler sunmaktır.

Artan ürün portföyü ve üretim hacmi ile NETMAK şu an, Netmak Endüstri ve Ahşap Makinaları İmalat Sanayi ve Ticaret A.Ş., Netmak Kesici Takım İmalat ve Pazarlama Ltd. Şti. ve Netmak Ağaç Makinaları A.Ş. olmak üzere, 3 ayrı firmada, 4 büyük ürün grubu ile yurt içi ve yurt dışı müşterilerinin hizmetindedir.

NETMAK Grup’un ürün portföyünü 4’e ayırabiliriz: İlk ürün grubu kalınlık, planya, freze makineleri oluşturmaktadır. İkinci grupta kesici takımlar olan, freze bıçakları, matkaplar, testereler gibi ürünler bulunmaktadır. Üçüncü grubumuzda bilgisayar kontrollü freze (CNC) makinaları ve son grubumuzda ise robot diye tabir ettiğimiz otomatik parça sürücü makinaları bulunmaktadır. Bütün ürünlerimizin standart üretimleri mevcut olup, müşterinin isteğine ve ihtiyacına bağlı olarak özel üretimler AR-GE bölümlerimiz ile tasarlanıp, üretilmektedir. NETMAK, 2004 yılında kurumsallaşma çalışmalarına hız vermiş ve bunun en önemli ayaklarından biri olan ISO 9001 Kalite Yönetim Sistemi Belgesini almaya hak kazanmıştır. Bu süreçle beraber, bir yandan da kullanıcı ve çevre sağlığını ilgilendiren CE markalama çalışmalarına başlamış, makinalarının dizayn ve gereksinimlerini bu alanda revize ederek CE belgesini almıştır. Daha sonrasında ise ISO 45001 İş Sağlığı ve Güvenliği Yönetim Sistemi Belgesini de kalite belgeleri arasına katmıştır. Küreselleşmeye bağlı olarak artan rekabet ortamında NETMAK Grup kendini, organizasyonunu ve teknolojisini sürekli yenilemekte ve geliştirmektedir. Teknolojiye yatırım yapmanın yanı sıra, mühendislik kadrosunu da sürekli geliştirmekte ve müşterilerine daima son teknolojik, çağrı yakalayan yeni ürünler ve kaliteli hizmet sunmaktadır.



About us ;

NETMAK began its trading activities on the production of spindle moulding, thickening, surface planner, routing machines and cutter tools in 1972. Now in our 3 companies, production is carried out in our state of the art, approximately 8000m2 factory, utilizing the very latest technology, to supply internal and external markets around the world.

Over the years, NETMAK has successfully met the needs of our clientele in the woodwork and cutting tools industry, using the very latest technology available, to ensure the levels of quality and service that our customers demand, can be met and exceeded. NETMAK are able to supply bespoke equipment across its range of products. Our research and development activities are the key instruments that enable us to reach our target of excellence and our continued search for the improvement of industrial design and technology, allows our equipment to be compatible on a global scale.

NETMAK employs highly skilled, qualified staff, specializing in the cutting tools sector. We are geared to satisfy the needs of our clients nationally and internationally. Our wide range of products are being used across The Middle East and Europe with increasing regularity. To further enhance customer satisfaction, NETMAK has undertaken the repair and renewal of its products on our CNC machines using the most up to date technology, which allows the re-use of materials during production. Our mission is to provide individual customers the support required during the design process, further assistance as required after the point of sale and solutions to overcome issues in a fast developing market place.

With the increase of our product portfolio and production capacity, NETMAK as a group has evolved and now consists of three separate companies that specialize in producing Woodworking Machines, Cutter Tools and Auxiliary Equipment. Woodworking Machines: Thicknessers, Surface Planers, Spindle Moulders, Milling Machines (Routers) and CNC Routers. Cutter Tools: Router Cutters, Boring Bits, Saw Blades, Grooving Cutters etc. Auxiliary Equipment: Automatic Feeders for Surface Planers and Spindle Moulders. We are also able to design, manufacture and supply specialized equipment upon request.

In 2004, NETMAK was awarded ISO 9001, we successfully gained the Quality Management System Certification and simultaneously received the CE Certification for user safety. And then added one more quality certificate as ISO 45001 Occupational Health & Safety Management System to our quality system. NETMAK operates in a competitive global market, which has changing needs and rapidly changing technology. We remain at the forefront of our industry because we are innovative and able respond to the movement in your market. We continually invest in our business and our employees, our desire for improvement is relentless and as a result, year on year, we have been able to bring new designs and equipment with latest technology and quality service into the sector.



Hayati TÜRKSEVER



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NOTICE

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ÇOK YÖNLÜ KULLANILAN SERT METAL PLAKETLİ DAİRE TESTERELERİ

UNIVERSAL SAW BLADES



Ölçüler / Dimensions

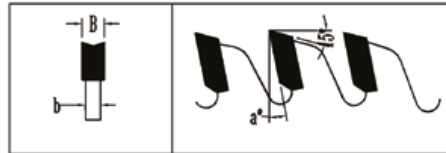
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T1-180323042	180	2.0	3.2	30	42	10
T1-180323058	180	2.0	3.2	30	58	10
T1-200323042	200	2.0	3.2	30	42	10
T1-200323048	200	2.0	3.2	30	48	10
T1-200323064	200	2.0	3.2	30	64	10
T1-220323042	220	2.2	3.2	30	42	10
T1-220323064	220	2.2	3.2	30	64	10
T1-220322064	220	2.2	3.2	20	64	10
T1-230323042	230	2.2	3.2	30	42	10
T1-240323040	240	2.2	3.2	30	40	10
T1-250323040	250	2.2	3.2	30	40	10
T1-250323048	250	2.2	3.2	30	48	10
T1-250323060	250	2.2	3.2	30	60	10
T1-250323080	250	2.2	3.2	30	80	7
T1-260323060	260	2.2	3.2	30	60	10
T1-280323048	280	2.2	3.2	30	48	10
T1-300323048	300	2.2	3.2	30	48	10
T1-300323060	300	2.2	3.2	30	60	10
T1-300323072	300	2.2	3.2	30	72	10
T1-300323096	300	2.2	3.2	30	96	7
T1-320323048	320	2.2	3.2	30	48	10
T1-350323072	320	2.2	3.2	30	72	10
T1-350323054	350	2.2	3.2	30	54	10
T1-350383054	350	2.5	3.8	30	54	10
T1-350323072	350	2.2	3.2	30	72	10
T1-350383084	350	2.2	3.2	30	84	10
T1-350383084	350	2.5	3.8	30	84	10
T1-3503630108	350	2.6	3.6	30	108	10
T1-400383060	400	2.5	3.8	30	60	10
T1-400423072	400	3.0	4.2	30	72	15
T1-400383096	400	2.5	3.8	30	96	10
T1-450423066	450	2.8	4.2	30	66	10
T1-500423060	500	2.8	4.2	30	60	10
T1-550443072	550	3.2	4.4	30	72	10

TEKNİK BİLGİLER

- **DIŞ ÖZELLİĞİ** = Sağ sol 10° çapraz diş
- **KULLANIM** = Ölçülendirme kesiminde, boy kopartma ve hassas kesimlerde.
- **MAKİNALAR** = Panel kesme, yatar daireler, portatif makinaları.
- **İŞLENEN MALZEME** = Yumuşak, sert ve exotic ağaçlar
plastik veya kaplama kaplanmış, sunta, kontrplak, duralit,
mdf werzalit türü malzeme hassas kesimi

TECHNICAL INFORMATION

- T.C.T. Alternate top-bevel tooth Cutting of soft and hard wood
- Dividing of cloated and uncloated panels. Ripping of soft wood





SERT METAL PLAKETLİ TRP. DİŞLİ HASSAS KESİM TESTERELERİ

HIGH EFFICIENCY SAW BLADES

Ölçüler / Dimensions

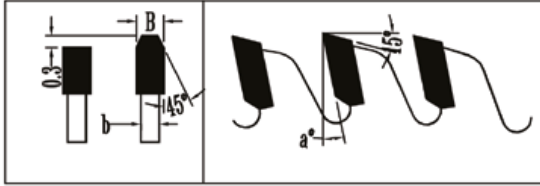
Kod / Art No	D	b	B	d	Z	α°
T2-150323048	150	2.0	3.2	30	48	10
T2-160323048	160	2.0	3.2	30	48	10
T2-180323058	180	2.0	3.2	30	58	10
T2-200323064	200	2.0	3.2	30	64	10
T2-250323080	250	2.2	3.2	30	80	7
T2-280323096	280	2.2	3.2	30	96	10
T2-300323072	300	2.2	3.2	30	72	10
T2-300323096	300	2.2	3.2	30	96	7
T2-350323072	350	2.2	3.2	30	72	10
T2-350323084	350	2.2	3.2	30	84	10
T2-3503630108	350	2.6	3.6	30	108	10
T2-400383096	400	2.5	3.8	30	96	10

TEKNİK BİLGİLER

- **DİŞ ÖZELLİĞİ** = Profil kesim açılı trapez diş
- **KULLANIM** = Özellikle melamin kaplı çift lamine panellerin kesiminde (çizici testere yardımı ile temiz ve uzun ömürlü bir kesim elde edilir.)
- **MAKİNALAR** = Ebatlama, yatar daire, portatif makinalar.
- **İŞLENEN MALZEME** = Suntalam, laminat, formika gibi çift lamina panellerin temiz ve kırksız kesimi.

TECHNICAL INFORMATION

- T.C.T. Flat + triple-chip tooth dividing and sizing of cloated and uncloated panels. Cutting of soft and hard wood



SERT METAL MDF LAMİNAT HASSAS KESİM TESTERELERİ

UNIVERSAL SAW BLADES

TEKNİK BİLGİLER

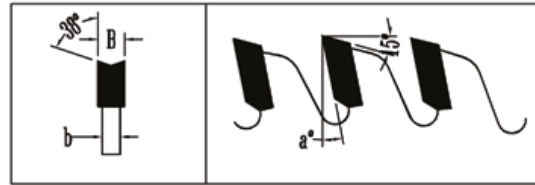
- **DİŞ ÖZELLİĞİ** = Sağ sol 38° açılı
- **MAKİNALAR** = Boy kesme, yatar daire, portatif makinalar.
- **İŞLENEN MALZEME** = Hazır profil, çıta ve çift taraflı lamine kaplı malzemelerin ön çizici olmaksızın hassas ve temiz kesimi

TECHNICAL INFORMATION

- T.C.T. alternate top-bevel tooth. Perfect quality of cut in high pressure laminated of veneered panels. Cutting of duroplastic panels plexiglas, veneers and plastic laminated in stacks.

Ölçüler / Dimensions

Kod / Art No	D	b	B	d	Z	α°
T3-250323080	250	2.2	3.2	30	80	7
T3-280323096	280	2.2	3.2	30	96	10
T3-300323096	300	2.2	3.2	30	96	7



TESTERELER

T.C.T. CIRCULAR SAW BLADES

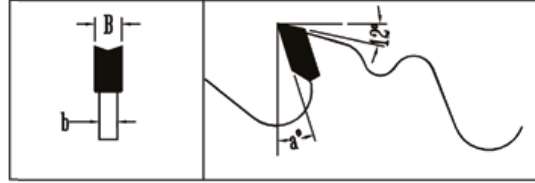
SERT METAL BG FORMLU AHŞAP KESİM TESTERELERİ

SAW BLADE WITH CHIP THICKNESS LIMITATION



Ölçüler / Dimensions

Kod / Art No	D	b	B	d	Z	α°
T4-250323024	250	2.2	3.2	30	24	18
T4-300323028	300	2.2	3.2	30	28	18
T4-320323032	320	2.2	3.2	30	32	18
T4-350383032	350	2.5	3.8	30	32	18
T4-400383036	400	2.5	3.8	30	36	18
T4-450423040	450	2.8	4.2	30	40	18
T4-500423044	500	2.8	4.2	30	44	18
T4-550423048	550	2.8	4.2	30	48	18
T4-600473054	600	3.2	4.7	30	54	18



TEKNİK BİLGİLER

- **DİŞ ÖZELLİĞİ** = Sağ sol 10° çapraz diş
- **KULLANIM** = Her çeşit yumuşak ve sert ağaçlarda dilme ve boy koparma işlerinde, kaba kesimlerde kullanılır. Gövde üzerinde bulunan soğutma boşlukları sayesinde ısınma olmadan temiz kesim sağlar
- **MAKİNALAR** = Yatar daire , portatif makinalar
- **İŞLENEN MALZEME** = Her çeşit yumuşak ve sert ağaçlar

TECHNICAL INFORMATION

- T.C.T. Alternate top-bevel tooth. Ripping of soft and hard wood suitable for manual advance



Ölçüler / Dimensions

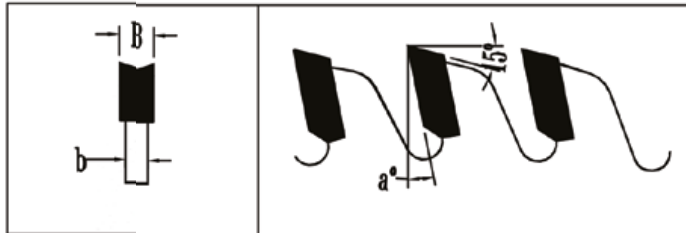
Kod / Art No	D	b	B	d	Z	α°
T5-200323024	200	2.0	3.2	30	24	15
T5-200323034	200	2.0	3.2	30	34	15
T5-250323030	250	2.2	3.2	30	30	15
T5-280323036	280	2.2	3.2	30	36	15
T5-300323036	300	2.2	3.2	30	36	15

TEKNİK BİLGİLER

- **DIŞ ÖZELLİĞİ** = Sağ sol 10° çapraz diş
- **KULLANIM** = Her çeşit yumuşak ve sert ağaçlarda dilme ve boy koparma işlerinde temiz kesim sağlar
- **MAKİNALAR** = Yatar daire , portatif makinalar
- **İŞLENEN MALZEME** = Her çeşit yumuşak ve sert ağaçlar

TECHNICAL INFORMATION

- T.C.T. Alternate top-bevel tooth. Ripping of soft and hard wood suitable for manuel and mechanics feeding advance



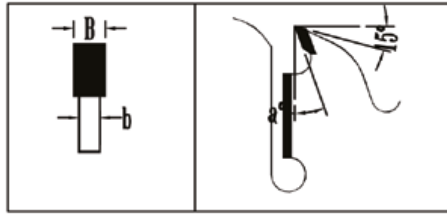
SERT METAL PLAKETLİ ÇOKLU DİLİM AHŞAP KESİM TESTERELERİ

SAW BLADE FOR MULTIPLE RIPSAWS

T6

Ölçüler / Dimensions

Kod / Art No	D	b	B	d	Z	α°
T6-200324020	200	2.2	3.2	40*	20	20
T6-250327024	250	2.2	3.2	70*	24	20
T6-300347024	300	2.2	3.4	70*	24	20
T6-350407028	350	2.8	4.0	70*	28	20
T6-400427028	400	3.0	4.2	70*	28	20
T6-450427036	450	3.0	4.2	70*	36	20



TEKNİK BİLGİLER

- **DIŞ ÖZELLİĞİ** = Düz diş
- **KULLANIM** = Soğutma boşlukları ve soğutma boşlukları üzerinde bulunan sert metal plaketter sayesinde sıkışma ve gövde üzerinde ısınma olmadan temiz kesim yapar, boylamasına çoklu kesimlerde kullanılır.
- **MAKİNALAR** = Çoklu dilme, tek ve çift milli panel kesme makinaları
- **İŞLENEN MALZEME** = Her çeşit yumuşak ve sert ağaçlar.

TECHNICAL INFORMATION

- T.C.T. Alternate top-bevel or streight tooth rim with T.C.T. guiding elements ripping of soft and hard wood for multi-rip saw machines.

SERT METAL PORTATİF EL MAKİNASI DAİRE TESTERELERİ
FOR PORTABLE HAND SAWS



Ölçüler / Dimensions

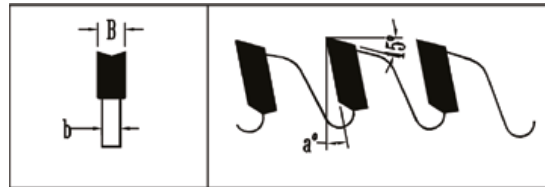
Kod / Art No	D	b	B	d	Z	α°
T7-80322020	80	2.0	3.2	20	20	10
T7-90322024	90	2.0	3.2	20	24	10
T7-100323030	100	2.0	3.2	30	30	10
T7-100322020	100	2.0	3.2	20	20	10
T7-105322030	105	2.0	3.2	20	30	10
T7-110322030	110	2.0	3.2	20	30	10
T7-115323024	115	2.0	3.2	30	24	10
T7-120322024	120	2.0	3.2	20	24	10
T7-120323024	120	2.0	3.2	30	24	10
T7-125322024	125	2.0	3.2	20	24	10
T7-125323024	125	2.0	3.2	30	24	10
T7-130323024	130	2.0	3.2	30	24	10
T7-140323024	140	2.0	3.2	30	24	10
T7-140321634	140	2.0	3.2	16	34	10
T7-140322034	140	2.0	3.2	20	34	10
T7-140323034	140	2.0	3.2	30	34	10
T7-150323024	150	2.0	3.2	30	24	10
T7-150323030	150	2.0	3.2	30	30	10
T7-150323036	150	2.0	3.2	30	36	10
T7-160323024	160	2.0	3.2	30	24	10
T7-160323030	160	2.0	3.2	30	30	10
T7-170323024	170	2.0	3.2	30	24	10
T7-180323024	180	2.0	3.2	30	24	10
T7-180323030	180	2.0	3.2	30	30	10
T7-180323036	180	2.0	3.2	30	36	10
T7-180322042	180	2.0	3.2	20	42	10
T7-190323024	190	2.0	3.2	30	24	10
T7-190323030	190	2.0	3.2	30	30	10

TEKNİK BİLGİLER

- DİŞ ÖZELLİĞİ = Sağ sol 10° çapraz diş
- KULLANIM = Suni plakalar, sert ve yumuşak ağaçlarda dilme ve boy kesiminde kullanılmaktadır.
- MAKİNALAR = Portatif el makinaları.
- İŞLENEN MALZEME = Suni plakalar, sert ve yumuşak ağaçlar

TECHNICAL INFORMATION

- For portable hand saws small saw benches panel and mitring. / TCT. Alternate top-bevel



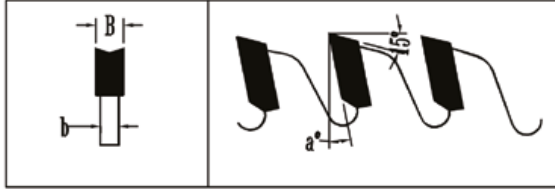
SERT METAL PLAKETLİ HASSAS İNCE KESİM TESTERELERİ

THIN KERF, HIGH EFFICIENCY SAW BLADE

8

Ölçüler / Dimensions

Kod / Art No	D	b	B	d	Z	α°
T8-140243034	140	1.6	2.4	30	34	10
T8-160243048	160	1.6	2.4	30	48	10
T8-165242048	165	1.6	2.4	20	48	10
T8-180242042	180	1.6	2.4	20	42	10
T8-190242054	190	1.6	2.4	20	54	10
T8-190243054	190	1.6	2.4	30	54	10
T8-200243064	200	1.6	2.4	30	64	10
T8-220242064	220	1.6	2.4	20	64	10
T8-250243060	250	1.6	2.4	30	60	10
T8-250243080	250	1.6	2.4	30	80	10
T8-260243060	260	1.6	2.4	30	60	10
T8-260243080	260	1.6	2.4	30	80	10
T8-300243096	300	1.6	2.4	30	96	10



TEKNİK BİLGİLER

- **DIŞ ÖZELLİĞİ** = Sağ sol 10° çapraz diş
- **KULLANIM** = Hassas boy koparma işlerinde kullanılmaktadır, ince kesim genişliği sayesinde firesiz kesim imkanı sağlar.
- **MAKİNALAR** = Yatar daire, portatif makinalar.
- **İŞLENEN MALZEME** = Kaplama, werzalit, plexiglas, formika ve melaminli sunta kesiminde.

TECHNICAL INFORMATION

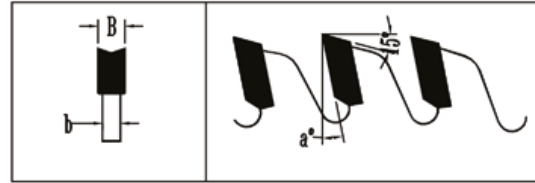
- T.C.T. Alternate top-bevel tooth. Perfect quality of cut in high pressure laminated or veneered panels. Cutting of duroplastic panels, plexiglas, veneers and plastic laminated in stacks.

T9

SERT METAL PLAKETLİ İNCE MASİF DİLME TESTERELERİ THIN KERF, SAW BLADES WITH CHIP THICKNESS LIMITATION



Ölçüler / Dimensions						
Kod / Art No	D	b	B	d	Z	α°
T9-150243024	150	1.6	2.4	30	24	10
T9-160242024	160	1.6	2.4	20	24	10
T9-180243030	180	1.6	2.4	30	30	10
T9-180243024	180	1.6	2.4	30	24	15
T9-200243034	200	1.6	2.4	30	34	15
T9-250243024	250	1.6	2.4	30	24	18
T9-250243040	250	1.6	2.4	30	40	15
T9-300243028	300	1.6	2.4	30	28	18
T9-300243048	300	1.6	2.4	30	48	10



TEKNİK BİLGİLER

- **DIŞ ÖZELLİĞİ** = Sağ sol 10° çapraz diş
- **KULLANIM** = Hassas boy koparma işlerinde kullanılmaktadır, ince kesim genişliği sayesinde az zaiatlı çalışma imkanı sağlar.
- **MAKİNALAR** = Portatif yatar daire makinelerinde.
- **İŞLENEN MALZEME** = Değerli masif, yumuşak ve sert ağaçlar.

TECHNICAL INFORMATION

- T.C.T. Alternate top-bevel tooth. Ripping of soft and hard wood suitable for manuel advance.

SERT METAL PLAKETLİ PANEL KESİM EBATLAMA TESTERELERİ
T.C.T. ARTIFICIAL PLAQUE PRODUCTION MACHINE SAWS



HOLZMA

ANA TESTERE

ÇİZİCİ

Ölçüler / Dimensions															
Kod / Art No	D	b	B	d	α°	Z	PIN HOLES	Kod / Art No	D	b	B	d	α°	Z	PIM
T10-350446072	350	3.2	4.4	60	15	72	2/14/100	T13	180	3.2	4.3/6.0	45	8°	36	—
T10-380446072	380	3.2	4.4	60	15	72	2/14/100	T13	180	3.2	4.3/6.0	45	8°	36	—
T10-380486072	380	3.5	4.8	60	15	72	2/14/100	T13	200	3.5	4.7/6.0	45	8°	36	—
T10-380446096	380	3.2	4.4	60	15	96	2/14/100	—	—	—	—	—	—	—	—
T10-450486072	450	3.5	4.8	60	15	72	2/14/125	T13	180	3.2	4.7/6.0	45	8°	36	—
T10-500486072	500	3.5	4.8	60	15	72	2/11/115	—	—	—	—	—	—	—	—
T10-520486072	520	3.5	4.8	60	15	72	2/19/120+2/11/115	—	—	—	—	—	—	—	—
T10-600586072	600	4.0	5.8	60	15	72	2/19/120+2/11/115	T13	200	4.0	5.7/6.9	45	8°	36	—

SELCO

ANA TESTERE

ÇİZİCİ

Ölçüler / Dimensions															
Kod / Art No	D	b	B	d	α°	Z	PIN HOLES	Kod / Art No	D	b	B	d	α°	Z	PIM
T10-300446572	300	3.0	4.4	65	15	72	2/9/110	T13	200	3.2	4.3/6.0	65	8°	36	2/9/100+2/9/110
T10-320446572	320	3.2	4.4	65	15	72	2/9/110	T13	200	3.2	4.3/6.0	65	8°	36	2/9/100+2/9/110
T10-360446572	360	3.2	4.4	65	15	72	2/9/110	T13	200	3.2	4.3/6.0	65	8°	36	2/9/100+2/9/110
T10-400448072	400	3.2	4.4	80	15	72	4/19/120+2/9/130	T13	200	3.2	4.3/6.0	65	8°	36	2/9/100+2/9/110
T10-430448072	430	3.2	4.4	80	15	72	2/9/130+4/19/120+2/14/110	T13	300	3.2	4.3/6.0	65	8°	36	3/15/80
T10-450488072	450	3.5	4.8	80	15	72	2/9/130+4/19/120	T13	200	3.5	4.7/6.0	65	8°	36	2/9/100+2/9/110
T10-480488072	480	3.5	4.8	80	15	72	2/9/130+4/19/120	T13	—	—	—	—	—	—	—

TÖRK

ANA TESTERE

ÇİZİCİ

Ölçüler / Dimensions															
Kod / Art No	D	b	B	d	α°	Z	PIN HOLES	Kod / Art No	D	b	B	d	α°	Z	PIM
T10-320447572	320	3.2	4.4	75	15	72	3/7/100	T13	160	3.2	4.3/6.0	55	8°	36	2/7/83

ÜNVERLER

ANA TESTERE

ÇİZİCİ

Ölçüler / Dimensions															
Kod / Art No	D	b	B	d	α°	Z	PIN HOLES	Kod / Art No	D	b	B	d	α°	Z	PIM
T10-350447572	350	3.2	4.4	75	15	72	2/13/94	T13	200	3.2	4.3/6.0	30	8°	36	2/8/80

MAYER -PANHANS - SCM - SCHEER

ANA TESTERE

ÇİZİCİ

Ölçüler / Dimensions															
Kod / Art No	D	b	B	d	α°	Z	PIN HOLES	Kod / Art No	D	b	B	d	α°	Z	PIM
T10-300443060	300	3.0	4.4	30	15	60	2/7/42+2/10/60	T13	150	3.0	4.3/6.0	30	8°	24	—
T10-355443072	355	3.2	4.4	30	15	72	2/10/60	T13	150	3.2	4.3/6.0	30	8°	30	—
T10-400443072	400	3.2	4.4	30	15	72	2/10/60	T13	200	3.2	4.3/6.0	30	8°	36	2/10/60

TURANLAR

ANA TESTERE

ÇİZİCİ

Ölçüler / Dimensions															
Kod / Art No	D	b	B	d	α°	Z	PIN HOLES	Kod / Art No	D	b	B	d	α°	Z	PIM
T10-300443060	300	3.0	4.4	30	15	60	—	T13	150	3.0	4.3/6.0	30	8°	24	—
T10-300443072	300	3.0	4.4	30	15	72	—	T13	150	3.0	4.3/6.0	30	8°	30	—
T10-355443072	355	3.2	4.4	30	15	72	—	T13	180	3.2	4.3/6.0	30	8°	36	—
T10-400448072	400	3.2	4.4	80	15	72	2/15/125	T13	200	3.2	4.3/6.0	65	8°	36	2/11/110
T10-430448072	430	3.2	4.4	80	15	72	2/15/125	T13	200	3.2	4.3/6.0	65	8°	36	2/11/110
T10-430448096	430	3.2	4.4	80	15	96	2/15/125	T13	200	3.2	4.3/6.0	65	8°	36	2/11/110
T10-450488072	450	3.5	4.8	80	15	72	2/15/125	T13	200	3.5	4.7/6.0	65	8°	36	2/11/110

GIBEN

ANA TESTERE

ÇİZİCİ

Ölçüler / Dimensions															
Kod / Art No	D	b	B	d	α°	Z	PIN HOLES	Kod / Art No	D	b	B	d	α°	Z	PIM
T10-320447572	320	3.2	4.4	75	15	72	3/13/95	T13	125	3.2	4.3/6.0	45	8°	24	—
T10-350445072	350	3.2	4.4	50	15	72	4/12.5/80	T13	180	3.2	4.3/6.0	50	8°	36	3/13/80
T10-355447572	355	3.2	4.4	75	15	72	4/15/105	T13	215	3.2	4.3/6.0	50	8°	42	3/15/80
T10-380445072	380	3.2	4.4	50	15	72	4/13/80	T13	—	—	—	—	—	—	—
T10-400447572	400	3.2	4.4	75	15	72	4/15/105	T13	300	3.2	4.3/6.0	50	8°	48	3/15/80
T10-430447572	430	3.2	4.4	75	15	72	4/15/105	T13	300	3.2	4.3/6.0	50	8°	48	3/15/80
T10-430447596	430	3.2	4.4	75	15	96	4/15/105	T13	300	3.2	4.3/6.0	50	8°	48	3/15/80
T10-470447572	470	3.2	4.4	75	15	72	4/15/105	T13	—	—	—	—	—	—	—
T10-500487572	500	3.5	4.8	75	15	72	4/15/105	T13	—	—	—	—	—	—	—

GABBIANI

ANA TESTERE

ÇİZİCİ

Ölçüler / Dimensions															
Kod / Art No	D	b	B	d	α°	Z	PIN HOLES	Kod / Art No	D	b	B	d	α°	Z	PIM
T10-350448072	350	3.2	4.4	80	15	72	4/9/93-100+2/9/110+2/14/110	T13	160	3.2	4.3/6.0	55	8°	36	3/7/66
T10-355448072	355	3.2	4.4	80	15	72	4/9/93-100+2/9/110+2/14/110	T13	160	3.2	4.3/6.0	55	8°	36	3/7/66
T10-380448072	380	3.2	4.4	80	15	72	4/9/100+2/9/110+2/14/110	T13	200	3.2	4.3/6.0	80	8°	36	2/14/110
T10-380448096	380	3.2	4.4	80	15	96	4/9/100+2/9/110+2/14/110	T13	200	3.2	4.3/6.0	80	8°	36	2/14/110
T10-400448072	400	3.2	4.4	80	15	72	4/9/100+2/9/110+2/14/110	T13	200	3.2	4.3/6.0	80	8°	36	2/14/110
T10-430448072	430	3.2	4.4	80	15	72	2/9/130+4/19/120+2/14/110	T13	—	—	—	—	—	—	—
T10-450448072	430	3.2	4.4	80	15	72	2/9/130+4/19/120+2/14/110	T13	—	—	—	—	—	—	—



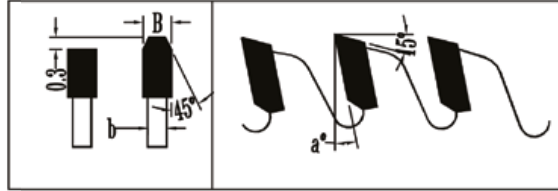
DO' METALLER İÇİN SERT PLAKETLİ POZİTİF DİŞLİ DAİRE TESTERELERİ

NON-FERROUSE METAL SAW BLADE/POZITIVE



Ölçüler / Dimensions

Kod / Art No	D	b	B	d	Z	α°
T11-250343080	250	2.6	3.4	30	80	5
T11-250343280	250	2.6	3.4	32	80	5
T11-300343096	300	2.6	3.4	30	96	5
T11-300343296	300	2.6	3.4	32	96	5
T11-3503630108	350	2.6	3.6	30	108	5
T11-3503632108	350	2.6	3.6	32	108	5
T11-4004232120	400	3.2	4.2	32	120	5



TEKNİK BİLGİLER

- **DİŞ ÖZELLİĞİ** = Trapez bileme sırt formu pozitif 5° göğüs açısı
- **KULLANIM** = Malzeme kalınlığı 3mm 'ye kadar olan DO metal-lerin ayırma ve gönyeleme kesimlerinde kullanılması tavsiye edilir.
- **MAKİNALAR** = Boy kesme , yatar daire portatif makinaları.
- **İŞLENEN MALZEME** = Alüminyum ve demirsiz metaller.

TECHNICAL INFORMATION

- T.C.T. Flath + triple-chip tooth. Cutting non-ferrous metal the thick-ness of over 5mm.

DO' METALLER İÇİN SERT PLAKETLİ NEGATİF DİŞLİ DAİRE TESTERELERİ

NON-FERROUSE METAL SAW BLADE/NEGATIVE



Ölçüler / Dimensions

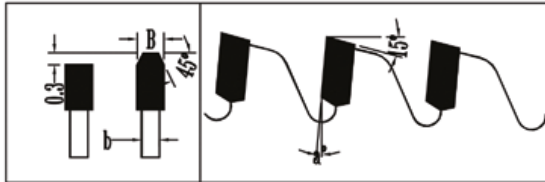
Kod / Art No	D	b	B	d	Z	α°
T12-200323064	200	2.0	3.2	30	64	-5
T12-250343080	250	2.6	3.4	30	80	-5
T12-250343280	250	2.6	3.4	32	80	-5
T12-300343096	300	2.6	3.4	30	96	-5
T12-300343296	300	2.6	3.4	32	96	-5
T12-3303630102	330	2.6	3.6	30	102	-5
T12-3503632108	350	2.6	3.6	32	108	-5
T12-400423096	400	3.2	4.2	30	96	-5
T12-4204230120	400	3.2	4.2	30	120	-5
T12-4204230120	420	3.2	4.2	30	120	-5
T12-4504230108	450	3.0	4.2	30	108	-5
T12-4504230120	450	3.0	4.2	30	120	-5
T12-5004230120	500	3.0	4.2	30	120	-5
T12-550443096	550	3.2	4.4	30	96	-5
T12-5504430120	550	3.2	4.4	30	120	-5
T12-600555096	600	3.8	5.5	50	96	-5
T12-6005532120	600	3.8	5.5	32	120	-5

TEKNİK BİLGİLER

- **DİŞ ÖZELLİĞİ** = Trapez bileme sırt formu negatif 5° göğüs açısı
- **KULLANIM** = Malzeme kalınlığı 5mm den yukarı olan içi boş profillerin kesimi için önerilir.
- **MAKİNALAR** = Boy kesme , yatar daire portatif makinaları.
- **İŞLENEN MALZEME** = Alüminyum ve demirsiz metaller.

TECHNICAL INFORMATION

- T.C.T. Flat + triple-chip tooth. Cutting non-ferrous metal the thickness of over 5mm. Suitable for lever cutting machines

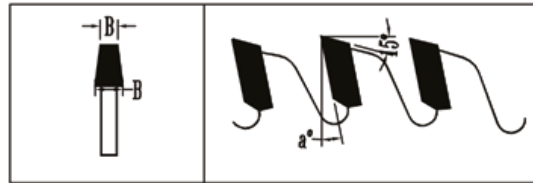




SERT METAL PLAKETLİ KONİK ÇİZİCİ TESTERLER

SCORING SAW FOR PANEL SIZING MACHINES

Ölçüler / Dimensions							
Kod / Art No	D	b	B	d	Z	α°	Pin Holes
T13-80292014	80	2.0	2.9-4.6	20	14	8	-
T13-80292020	80	2.0	2.9-4.6	20	20	8	-
T13-100292020	100	2.0	2.9-4.6	20	20	8	-
T13-120292024	120	2.0	2.9-5.0	20	24	8	-
T13-125292024	125	2.5	2.9-5.0	20	24	8	-
T13-125422024	125	3.0	4.2-6.0	20	24	8	-
T13-150293024	150	2.0	2.9-4.6	30	24	8	-
T13-150293030	150	2.0	2.9-4.6	30	30	8	-
T13-150423024	150	3.0	4.2-6.0	30	24	8	-
T13-150423036	150	3.0	4.2-6.0	30	36	8	-
T13-160424530	160	3.0	4.2-6.0	45	30	8	-
T13-160424536	160	3.0	4.2-6.0	45	36	8	-
T13-160293048	160	2.0	2.9-4.2	30	48	8	-
T13-180293042	180	2.0	2.9-4.6	30	42	8	-
T13-180423042	180	3.0	4.2-6.0	30	42	8	-
T13-180474536	180	3.5	4.7-5.9	45	36	8	-
T13-200293064	200	2.0	2.9-4.2	30	64	8	-
T13-200293048	200	2.0	2.9-4.6	30	48	8	-
T13-200423036	200	3.0	4.2-6.0	30	36	8	-
T13-200293064	220	2.2	2.9-4.6	30	64	8	-
T13-220293042	220	2.2	2.9-4.6	30	42	8	-
T13-300424548	300	3.0	4.2-6.0	45	48	8	3-15-80



TEKNİK BİLGİLER

- **DIŞ ÖZELLİĞİ** = Pozitif kesim açılı düz sırt bileme formu yan açıları konik.
- **KULLANIM** = Yonga lamine veya iki yüz üzerine plakalanmış paneller yapan suntalam, laminat, mdf lam malzemelerinin ön kesimini yapar, plakaların alt kırılmalarını önler, konik yan açıları formu ile makinalarda aşağı ve yukarı ayarı ile ayarlaması kolay ve basit bir çizicidir.
- **MAKİNALAR** = Yatay ve dikey ebatlama, ön çizicili yatar daire makinaları

TECHNICAL INFORMATION

- For scoring the under side of double sides laminated panels. With width adjusting by up and down with the side angle.

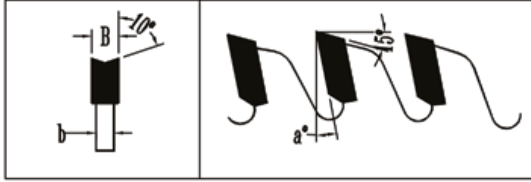
SERT METAL SAĞ-SOL DİŞLİ ÇİZİCİ TESTERELER

SCORING SAWS FOR PANEL SIZING MACHINES

T14

Ölçüler / Dimensions

Kod / Art No	D	b	B	d	Z	α°
T14-80322014	80	2.0	3.2	20	14	10
T14-80332014	80	2.0	3.3	20	14	10
T14-100322020	100	2.0	3.2	20	20	10
T14-100332020	100	2.0	3.3	20	20	10
T14-120322024	120	2.0	3.2	20	24	10
T14-120323024	120	2.0	3.2	30	24	10
T14-120332024	120	2.0	3.3	20	24	10
T14-120333024	120	2.0	3.3	30	24	10
T14-125322024	125	2.0	3.2	20	24	10
T14-125323024	125	2.0	3.2	30	24	10
T14-125332024	125	2.0	3.3	20	24	10
T14-125333024	125	2.0	3.3	30	24	10
T14-160323048	160	2.0	3.2	30	48	10
T14-160333048	160	2.0	3.3	30	48	10
T14-200323064	200	2.0	3.2	30	64	10
T14-200333064	200	2.0	3.3	30	64	10
T14-220322064	220	2.2	3.2	20	64	10
T14-220323064	220	2.2	3.2	30	64	10
T14-220332064	220	2.2	3.3	20	64	10
T14-220333064	220	2.2	3.3	30	64	10



TEKNİK BİLGİLER

- **DİŞ ÖZELLİĞİ** = Pozitif kesim açılı çapraz 10° sırt bileme formu
- **KULLANIM** = Yonca lamina veya iki yüz üzerine plakalanmış panellerin ön kesimini yapar, plakaların alt kırılmalarını önler.
- **MAKİNALAR** = Yatay ve dikey ebatlama, ön çizicili yatar daire, özellikle jamping makinalarda
- **İŞLENEN MALZEME** = Yonga lamina veya iki yüz üzerine plakalanmış paneller

TECHNICAL INFORMATION

- T.C.T. Alternate top bevel tooth
- Positive 10° cutting angle
- Scoring saws
- Suitable for coated (veneer-pvc) panels
- For tilting panel saw machines with jamping



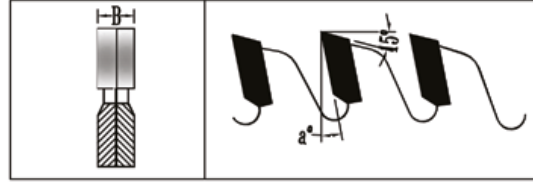
T15

SERT METAL AYARLANABİLİR ÇİTİLİ ÇİZİCİ TESTERELER SCORING SAWS FOR PANEL SIZING MACHINES



Ölçüler / Dimensions

Kod / Art No	D	B	d	Z	α°
T15-802840201010	80	2.8-4.0	20	10+10	11
T15-1002840201212	100	2.8-4.0	20	12+12	11
T15-1202840201212	120	2.8-4.0	20	12+12	11
T15-1252840201212	125	2.8-4.0	20	12+12	11
T15-1602840301616	160	2.8-4.0	30	16+16	11
T15-1802840301818	180	2.8-4.0	30	18+18	11
T15-2004048203030	200	4.0-4.8	20	30+30	11



TEKNİK BİLGİLER

- **DİŞ ÖZELLİĞİ** = Düz bileme formu pozitif kesim açılı
- **KULLANIM** = Yonga lamine veya iki yüz üzerine plakalanmış panellerin ön kesimini yapar, plakaların alt kırılmalarını önler. Çift testereyi raynellerle kalınlık ayarlama kolaylığı
- **MAKİNALAR** = Yatay ve dikey ebatlama, ön çizicili yatar daire makineleri
- **İŞLENEN MALZEME** = Yonga lamine veya iki yüz üzerine plakalanmış panellerin kırksız ön kesimini yapar.

TECHNICAL INFORMATION

- For scoring the underside of double sided laminated panels
- Double saws, with shims for adjusting the width

SERT METAL PLAKETLİ-KANAL TESTERELERİ

UNIVERSAL SAW BLADES

T16



Ölçüler / Dimensions

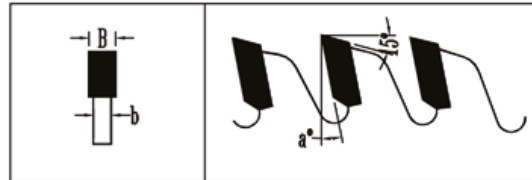
Kod / Art No	D	b	B	d	Z	α°
T16-125403024	125	3.0	4.0	30	24	15
T16-125503024	125	3.0	5.0	30	24	15
T16-150403024	150	3.0	4.0	30	24	15
T16-150503024	150	3.0	5.0	30	24	15
T16-160403024	160	3.0	4.0	30	24	15
T16-160503024	160	3.0	5.0	30	24	15
T16-160403030	160	3.0	4.0	30	30	15
T16-160503030	160	3.0	5.0	30	30	15
T16-160603030	160	4.0	6.0	30	30	15
T16-180403024	180	3.0	4.0	30	24	15
T16-180503024	180	3.0	5.0	30	24	15
T16-180403042	180	3.0	4.0	30	42	15
T16-180503042	180	3.0	5.0	30	42	15
T16-200503024	200	3.0	5.0	30	24	15
T16-200403036	200	3.0	4.0	30	36	15
T16-200503036	200	3.0	5.0	30	36	15
T16-200603036	200	4.0	6.0	30	36	15
T16-200403048	200	3.0	4.0	30	48	15
T16-200503048	200	4.0	5.0	30	48	15
T16-200603048	200	4.0	6.0	30	48	15
T16-200403064	200	3.0	4.0	30	64	15
T16-250403024	250	3.0	4.0	30	24	15
T16-250503024	250	3.0	5.0	30	24	15
T16-250603024	250	4.0	6.0	30	24	15
T16-250403030	250	3.0	4.0	30	30	15
T16-250503030	250	3.0	5.0	30	30	15
T16-250403048	250	3.0	4.0	30	48	15
T16-250503048	250	3.0	5.0	30	48	15
T16-250603048	250	4.0	6.0	30	48	15
T16-250403060	250	3.0	4.0	30	60	15
T16-250503060	250	3.0	5.0	30	60	15
T16-250603060	250	4.0	6.0	30	60	15
T16-260403024	260	3.0	4.0	30	24	15
T16-300403024	300	3.0	4.0	30	24	15
T16-300503060	300	3.0	5.0	30	60	15

TEKNİK BİLGİLER

- **DIŞ ÖZELLİĞİ** = Düz bileme
- **KULLANIM** = Parke üretiminde kanal açma, lam kaplı suni plakalara arkalık kanalı açılmasında.
- **MAKİNALAR** = Yatay ve dikey ebatlama, ön çizicili yatar daire, özellikle jamping makinalarda
- **İŞLENEN MALZEME** = Sert ve yumuşak ağaçlar

TECHNICAL INFORMATION

- T.C.T. flat teeth growing cutters
- Suitable for spindle mouldes, scoring machines.
- Hard and soft woods.

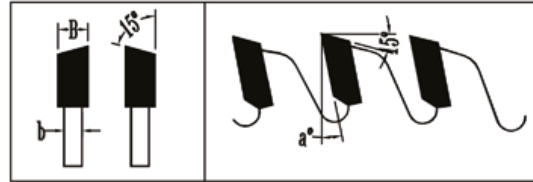


SERT METAL PLAKETLİ BOY KAFKA KESME TESTERESİ FOR TO EDGE BANDING MACHINES



Ölçüler / Dimensions

Kod / Art No	D	b	B	d	Z	α°
T17-80322014	80	2.0	3.2	20	14	10
T17-80322020	80	2.0	3.2	20	20	10
T17-90322024	90	2.0	3.2	20	24	10
T17-100322020	100	2.0	3.2	20	20	10
T17-105322030	110	2.0	3.2	20	30	10
T17-110322030	110	2.0	3.2	20	30	10
T17-125322024	125	2.0	3.2	20	24	10



TEKNİK BİLGİLER

- **DİŞ ÖZELLİĞİ** = Tek yönlü 15° eğimli diş (sağ ve sol dönüş yönlü)
- **KULLANIM** = Yonga, lamine veya iki yüz üzerine plakalanmış panelleri iki yandan kesmek için kafa kesme bıçağı.
- **MAKİNALAR** = Masifleme, pvc kenar yapıştırma makinaları.
- **İŞLENEN MALZEME** = Masif ağaç, plastik pvc

TECHNICAL INFORMATION

- One side bevel tooth left or right.
- For to edge banding machines.
- Suitable for hard and soft wood, pvc and plastics.

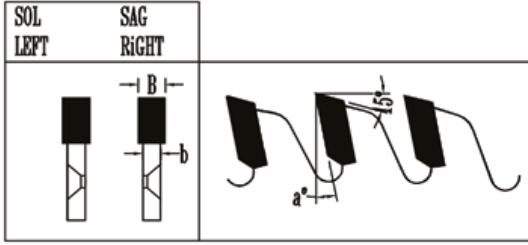
SERT METAL PLAKETLİ TALAŞ ÜNİTE TESTERELERİ

FOR TO SCORING MACHINES HOGGERS

18

Ölçüler / Dimensions

Kod / Art No	D	b	B	d	Z	α°
T18-200408060	200	3.0	4.0	80	60	10
T18-200408040	200	3.0	4.0	80	40	10
T18-2504013056	250	3.0	4.0	130	56	10
T18-2504013072	250	3.0	4.0	130	72	10



TEKNİK BİLGİLER

- **DİŞ ÖZELLİĞİ** = Düz diş
- **KULLANIM** = Her iki yüzü melamin kaplı panellerin kesimi için ön görülmüştür.
- **MAKİNALAR** = Doppel makinalarında hogirlara bağlanması için ön görülmüştür.
- **İŞLENEN MALZEME** = Mdf, laminat türü kaplanmış panel kesimi

TECHNICAL INFORMATION

- T.C.T. Flat tooth
- Left and right side (with screwing holes)
- For to scoring machines hoppers
- Suitable for mdf, laminated boards

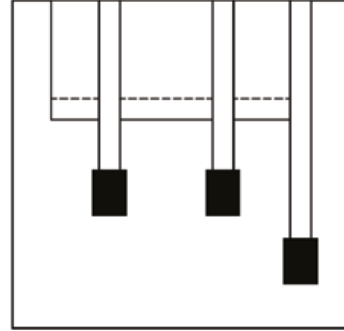
T19

SERT METAL PLAKETLİ ALÜMİNYUM KERTME TESTERE GRUBU
SAW BLADE FOR NON FERROUS METALS AND RIGIT PLASTICS



Ölçüler / Dimensions

Kod / Art No	D	b	B	d	Z
T19-127453012	127*	3.5	4.5	30	12
T19-128453012	128*	3.5	4.5	30	12
T19-161583018	161*	4.5	5.8	30	18
T19-127453018	127*	3.5	4.5	30	18
T19-128453018	128*	3.5	4.5	30	18
T19-161583024	161*	4.5	5.8	30	24



ALÜMİNYUM VE PVC MALZEMELERDE KANAL AÇMA İŞLEMLERİNDE 3 'LÜ TAKIM OLARAK KULLANILIR İSTEĞE GÖRE HER ÖLÇÜDE KERTME BİÇAKLARI YAPILIR.

TEKNİK BİLGİLER

- **DIŞ ÖZELLİĞİ** = Düz diş
- **KULLANIM** = Alüminyum profil birleştirme işlerinde kullanılmaktadır. Freze grubu 3 kesiciden meydana gelmiştir. Ölçüler isteğe göre değiştirilebilir. Takımlar seyrek ve sık diş olarak iki grup halinde üretilmektedir.
- **MAKİNALAR** = Alüminyum kertme makinaları
- **İŞLENEN MALZEME** = Alüminyum ve demir olmayan metaller

TECHNICAL INFORMATION

- For Alm. and plastics, Pvc, etc. Windows cross cutting set

SERT METAL PLAKETLİ AYARLANABİLEN ARKALIK AÇMA GRUBU
SAW BLADE WITH CHIP THICKNESS LIMITATION

T20



SOKETLİ

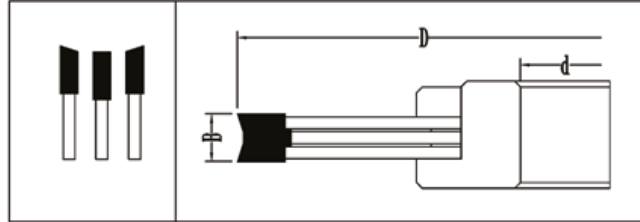
Ölçüler / Dimensions

Kod / Art No	D	b	B	d	Z	α°
T20-1507090302020	150	2.0	7.0-9.0	30	20+20+20	10
T20-1608090304848	160	2.0	8.0-9.0	30	48+48+48	10
T20-1807090302020	180	2.0	7.0-9.0	30	20+20+20	10
T20-2007090302424	200	2.0	7.0-9.0	30	24+24+24	10
T20-20080903060460	200	2.0	8.0-9.0	30	60+4+60	10
T20-2008090306432	200	2.0	8.0-9.0	30	64+32+64	10

SOKETSİZ

Ölçüler / Dimensions

Kod / Art No	D	b	B	d	Z	α°
T20-16080903048	160	2.0	8.0-9.0	30	48+4+48	10
T20-20080903064	200	2.0	8.0-9.0	30	60+4+60	10



TEKNİK BİLGİLER

- **DIŞ ÖZELLİĞİ** = 1 adet sağ 1 adet sol eğimli (15° açılı) 1 adet düz diş
- **KULLANIM** = Lam kaplı suni plakalara arkalık kanalı açmasında kullanılır. 3 kesiciden meydana gelmiştir, yan testerelerin çizici özelliği olması ve sık dişli olmasından dolayı, yüzeyde temiz bir kesim elde edilmektedir. Kanal genişliği 7.0 - 9.0 arasında raynel yardımı ile ayarlama kolaylığı.
- **MAKİNALAR** = Yatar daire, dik freze makinalarında.
- **İŞLENEN MALZEME** = Her çeşit yumuşak ve sert ağaçlar, suntalam, laminat türü malzemeler.

TECHNICAL INFORMATION

- Special saw blades set, with 3 saws, left side + right side + middle. Left side with left bevel angle, right side with right bevel angle, middle tooth are flat.
- For to make from 7.0-9.0mm adjustable grooving.
- Clean surface and unbroken corners.
- Suitable for soft and hard wood, play wood, laminated board and mdf.

NOTLAR
NOTICE

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This image shows a full page of a document template. It consists of a series of evenly spaced, horizontal dotted lines running across the width of the page. The background is plain white, and there are no margins, headers, or footers visible. This type of template is commonly used for creating forms, taking notes, or writing essays where a structured yet flexible layout is needed.

İÇİNDEKİLER

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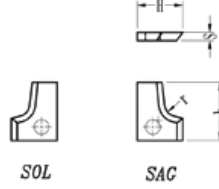
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J-0001

DEĞİŞTİRİLEBİLİR JİLETLER
CHANGEABLE BLADES

Ölçüler / Dimensions

Kod / Art No	b	H	S	r
J-0001-01	14	11	2	3



J-0002

Ölçüler / Dimensions

Kod / Art No	b	H	S	r
J-0002-01	12	20	2	2
J-0002-02	12	20	2	3



J-0002A

Ölçüler / Dimensions

Kod / Art No	b	H	S	r
J-0002-01 A	12.7	12.7	3.2	2
J-0002-02 A	12.7	12.7	3.2	3

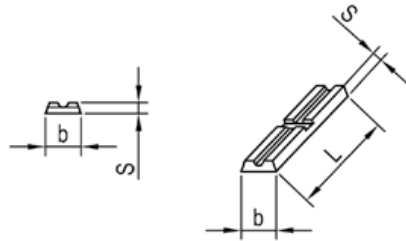


J-0003

DEĞİŞTİRİLEBİLİR OLUKLU JİLETLER
CHANGEABLE BLADES

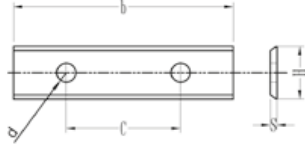
Ölçüler / Dimensions

Kod / Art No	L	b	S
J-0003-204111	20	4.1	1.1
J-0003-205511	20	5.5	1.1
J-0003-255511	25	5.5	1.1
J-0003-305511	30	5.5	1.1
J-0003-405511	40	5.5	1.1
J-0003-505511	50	5.5	1.1



DEĞİŞTİRİLEBİLİR 2 DELİKLİ JİLETLER
CHANGEABLE BLADES

J-00003

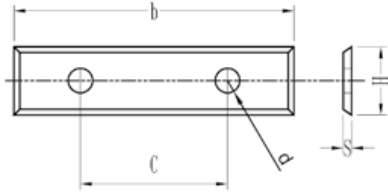


Ölçüler / Dimensions

Kod / Art No	b	H	S	C	d
J-0003-301215	30	12	1.5	14	4.1
J-0003-401215	40	12	1.5	26	4.1
J-0003-501215	50	12	1.5	26	4.1
J-0003-601215	60	12	1.5	26	4.1
J-0003-801322	80	13	2.2	60	4.1
J-0003-1001322	100	13	2.2	60	4.1
J-0003-1201322	120	13	2.2	60	4.1

DEĞİŞTİRİLEBİLİR JİLETLER 4 KENAR KESİCİ
CHANGEABLE BLADES

J-00003

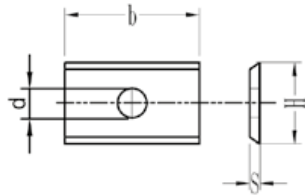


Ölçüler / Dimensions

Kod / Art No	b	H	S	C	d
J-0003-1951215	19.5	12	1.5	-	4.1
J-0003-2951215	29.5	12	1.5	14	4.1
J-0003-3951215	39.5	12	1.5	26	4.1
J-0003-4951215	49.5	12	1.5	26	4.1
J-0003-5951215	59.5	12	1.5	26	4.1
J-0003-295915	29.5	9	1.5	14	4.1
J-0003-495915	49.5	9	1.5	26	4.1
J-0003-595915	59.5	9	1.5	26	4.1

DEĞİŞTİRİLEBİLİR JİLETLER 1 DELİKLİ
CHANGEABLE BLADES

J-00003

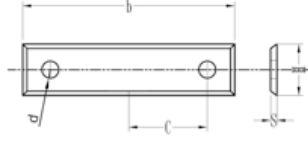


Ölçüler / Dimensions

Kod / Art No	b	H	S	d
J-0003-751215 TD	7.5	12	1.5	4.1
J-0003-961215 TD	9.6	12	1.5	4.1
J-0003-1051215 TD	10.5	12	1.5	4.1
J-0003-1161215 TD	11.6	12	1.5	4.1
J-0003-151215 TD	15	12	1.5	4.1
J-0003-201215 TD	20	12	1.5	4.1

J-00003

DEĞİŞTİRİLEBİLİR 3 DELİKLİ JİLETLER
CHANGEABLE BLADES

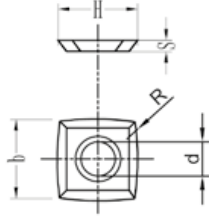


Ölçüler / Dimensions

Kod / Art No	b	H	S	C	d
J-0003-501217	50	12	1.7	18.5	4.1

J-00003

DEĞİŞTİRİLEBİLİR RADIUS JİLET
CHANGEABLE BLADES

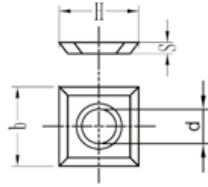


Ölçüler / Dimensions

Kod / Art No	b	H	S	d	R
J-0003-14142 KR R	14	14	2.0	6.4	100

J-00003

DEĞİŞTİRİLEBİLİR KARE JİLET
CHANGEABLE BLADES

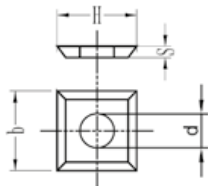


Ölçüler / Dimensions

Kod / Art No	b	H	S	d
J-0003-141412 KR	14	14	1.2	8.5
J-0003-141417 KR	14	14	1.7	8.5
J-0003-14142 KR	14	14	2	6.4
J-0003-14314325KR	14.3	14.3	2.5	6.4
J-0003-212155 KR	21	21	5.5	7.1

J-00003

DEĞİŞTİRİLEBİLİR KARE JİLET
CHANGEABLE BLADES

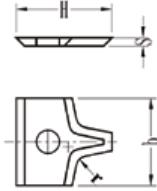


Ölçüler / Dimensions

Kod / Art No	b	H	S	d
J-0003-121215 KR	12	12	1.5	4.1
J-0003-17172 KR	17	17	2	4.1
J-0003-10510515KR	10,5	10,5	1,5	4
J-0003-121215 R2	12	12	1,5	4.1

DEĞİŞTİRİLEBİLİR JİLETLER
CHANGEABLE BLADES

J-00004

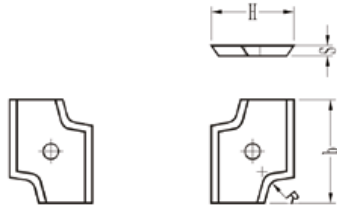


Ölçüler / Dimensions

Kod / Art No	b	H	S	r
J-0004-01	16	17.5	2	2
J-0004-02	16	17.5	2	3

DEĞİŞTİRİLEBİLİR JİLETLER
CHANGEABLE BLADES

J-00005

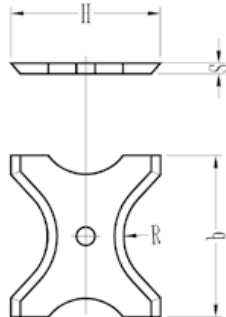


Ölçüler / Dimensions

Kod / Art No	b	H	S	r
J-0005-01	20	17.5	2	2
J-0005-02	20	17.5	2	3

DEĞİŞTİRİLEBİLİR JİLETLER
CHANGEABLE BLADES

J-00006

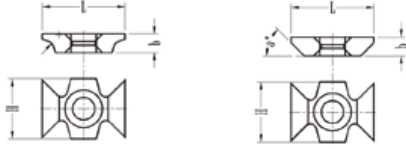


Ölçüler / Dimensions

Kod / Art No	b	H	S	r
J-0006-01	13	16	2	2
J-0006-02	13	16	2	3
J-0006-03	13	16	2	4
J-0006-04	20	21	2	5
J-0006-05	20	21	2	6
J-0006-06	20	21	2	7
J-0006-07	20	21	2	8
J-0006-08	26	24	2	9
J-0006-09	26	24	2	10
J-0006-10	26	24	2	11
J-0006-11	26	24	2	12
J-0006-12	26	24	2	13
J-0006-13	30	25	2	14
J-0006-14	30	25	2	15
J-0006-15	30	25	2	16

J-00007

DEĞİŞTİRİLEBİLİR Z:2 RADIUS GAGA JİLETLER
CHANGEABLE BLADES

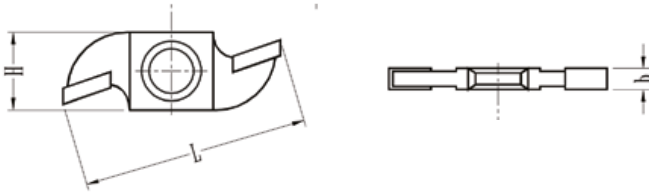


Ölçüler / Dimensions

Kod / Art No	L	H	B	r	α
J-0007-22165 R2	22	16	5	2	-
J-0007-22165 R3	22	16	5	3	-
J-0007-22165 R5	22	16	5	5	-
J-0007-22165 A45	22	16	5	-	45

J-00007

DEĞİŞTİRİLEBİLİR Z:2 RADIUS GAGA JİLETLER
CHANGEABLE BLADES

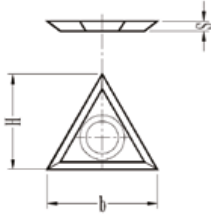


Ölçüler / Dimensions

Kod / Art No	L	H	b
J-0007-341632	34	16	3.2
J-0007-34164	34	16	4
J-0007-34165	34	16	5

J-00008

DEĞİŞTİRİLEBİLİR ÜÇGEN JİLET
CHANGEABLE BLADES

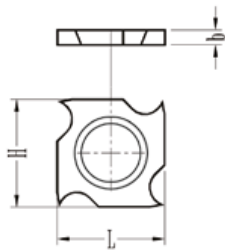


Ölçüler / Dimensions

Kod / Art No	b	H	S
J-0008-22192	22	19	2

J-00009

DEĞİŞTİRİLEBİLİR Z:4 KANAL GAGA JİLETLER
CHANGEABLE BLADES



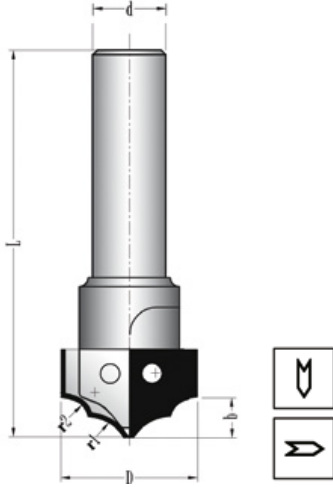
Ölçüler / Dimensions

Kod / Art No	b	H	L
J-0009-1951818	1.95	18	18
J-0009-251818	2.5	18	18
J-0009-2951818	2.95	18	18
J-0009-371818	3.7	18	18

DEĞİŞTİRİLEBİLİR JİLETLİ PROFİL BİÇAKLAR
CHANGEABLE BLADE PROFILE ROUTER BIT

J-0010

J-0010-01



Ölçüler / Dimensions

Kod / Art No	D	B	r1	r2	α	L	d	Z
J-0010-01	26	8,7	10	5	-	85	16	2
J-0010-02	24	4	2	-	12	85	16	2
J-0010-03	24	12	12	-	-	85	16	2

Takım tutuculara uygun, profiller sipariş edilebilir.
A variety of profile models, suitable for this body, are available upon request.



Tork civata
Torx screw



193 165 06
M4 x 6

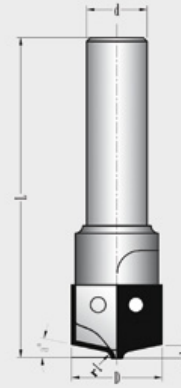
Tork anahtar
Torx key



353 165 01



J-0010-02



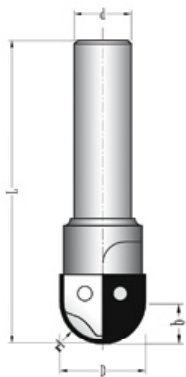
Tork civata
Torx screw



193 165 02
M3.5 x 5



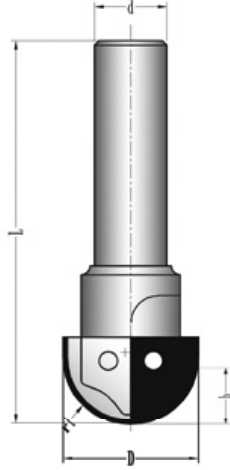
J-0010-03



J-0010

DEĞİŞTİRİLEBİLİR JİLETLİ PROFİL BİÇAKLAR
CHANGEABLE BLADE PROFILE ROUTER BIT

J-0010-04



Ölçüler / Dimensions

Kod / Art No	D	b	r1	r2	a°	L	d	Z
J-0010-04	30	15	15	-	-	85	16	2
J-0010-05	24	5,4	10	2	-	85	16	2
J-0010-06	24	3,8	-	-	7	85	16	2

Takım tutuculara uygun, profiller sipariş edilebilir.
A variety of profile models, suitable for this body, are available upon request.



J-0010

Tork civata
Torx screw



193 165 06
M4 x 6

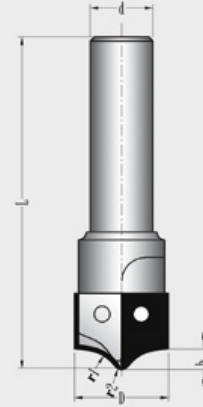
Tork anahtar
Torx key



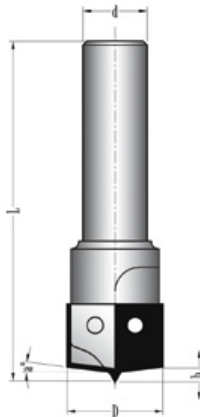
353 165 01



J-0010-05



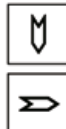
J-0010-06



Tork civata
Torx screw



193 165 02
M3.5 x 5



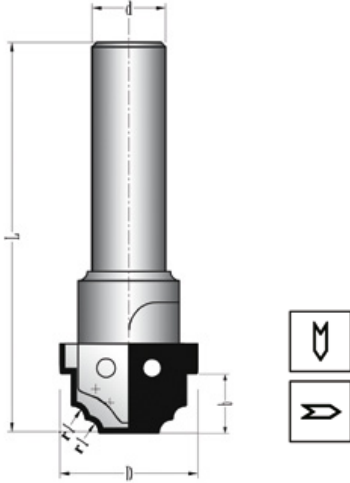
J-0010

DEĞİŞTİRİLEBİLİR UÇLU BİÇAKLAR
CHANGEABLE BLADE ROUTER BIT

DEĞİŞTİRİLEBİLİR JİLETLİ PROFİL BİÇAKLARI
CHANGEABLE BLADE PROFILE ROUTER BIT

J-0010

J-0010-07



Ölçüler / Dimensions

Kod / Art No	D	b	r1	a°	L	d	Z
J-0010-07	24	13	3	-	85	16	2
J-0010-08	24	8,5	-	60	85	16	2
J-0010-09	24	5,4	-	30	85	16	2

Takım tutuculara uygun, profiller sipariş edilebilir.
A variety of profile models, suitable for this body, are available upon request.



Tork civata
Torx screw



193 165 06
M4 x 6

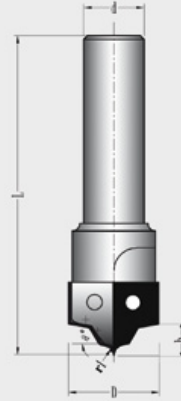
Tork anahtar
Torx key



353 165 01

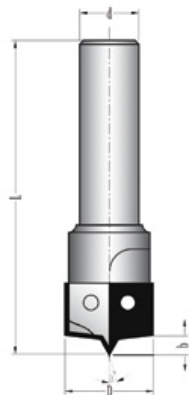


J-0010-08



J-0010

J-0010-09



Tork civata
Torx screw



193 165 02
M3.5 x 5

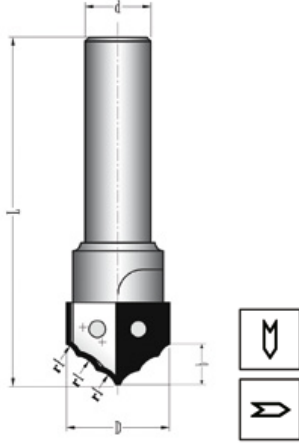


J-0010

J-0010

DEĞİŞTİRİLEBİLİR JİLETLİ PROFİL BİÇAKLARI
CHANGEABLE BLADE PROFILE ROUTER BIT

J-0010-10



Ölçüler / Dimensions

Kod / Art No	D	b	r1	a°	L	d	Z
J-0010-10	25	9,9	5,5	-	85	16	2
J-0010-11	24	5,1	5	-	85	16	2
J-0010-12	24	6,6	16	60	85	16	2

Takım tutuculara uygun, profiller sipariş edilebilir.
A variety of profile models, suitable for this body, are available upon request.



Tork civata
Torx screw



193 165 06
M4 x 6

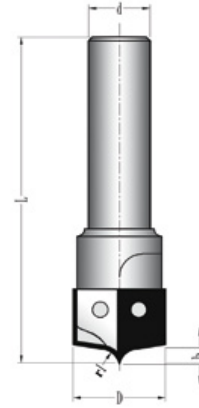
Tork anahtar
Torx key



353 165 01



J-0010-11



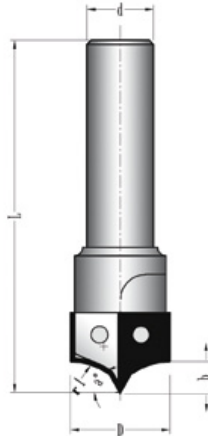
Tork civata
Torx screw



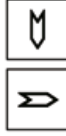
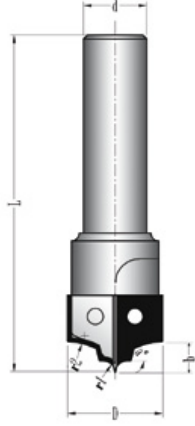
193 165 02
M3.5 x 5



J-0010-12



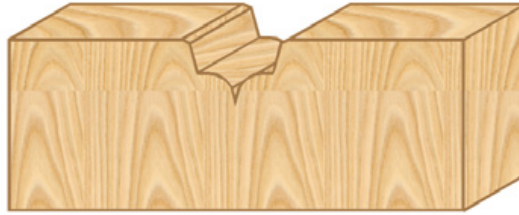
J-0010-13



Tork civata
Torx screw



193 165 02
M3.5 x 5



Ölçüler / Dimensions

Kod / Art No	D	b	r1	r2	α°	L	d	Z
J-0010-13	24	7,8	3	16	75	85	16	2
J-0010-14	25	10	-	-	100	85	16	2

Takım tutuculara uygun, profiller sipariş edilebilir.

A variety of profile models, suitable for this body, are available upon request.

Tork civata
Torx screw



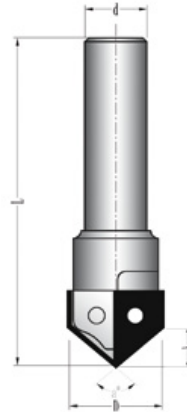
193 165 06
M4 x 6

Tork anahtar
Torx key



353 165 01

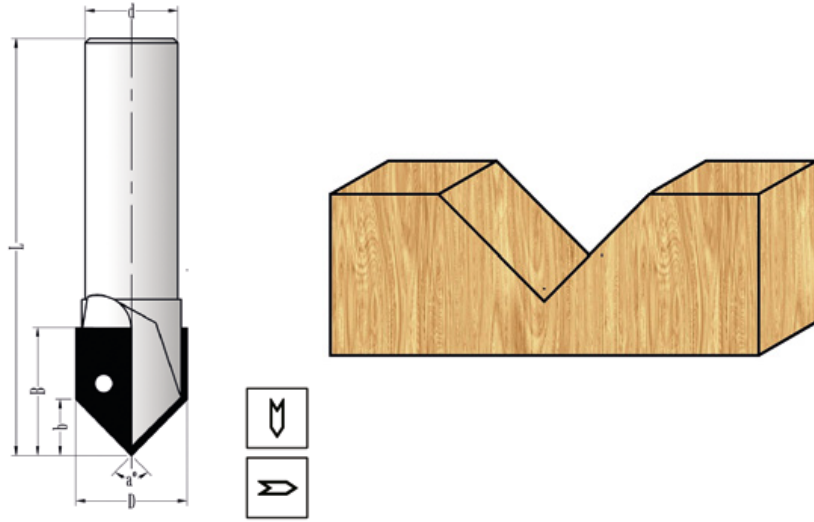
J-0010-14



J-0012

DEĞİŞTİRİLEBİLİR JİLETLİ PROFİL BİÇAKLAR
CHANGEABLE BLADE PROFILE ROUTER BIT

J-0012-01



Ölçüler / Dimensions

Kod / Art No	D	D1	b	B	r1	L	d	Z	α°
J-0012-01	24	-	12	27	-	90	20	2	90
J-0012-02	24	16	8	27	8	90	20	2	90

Takım tutuculara uygun, profiller sipariş edilebilir.

A variety of profile models, suitable for this body, are available upon request.

Tork civata
Torx screw



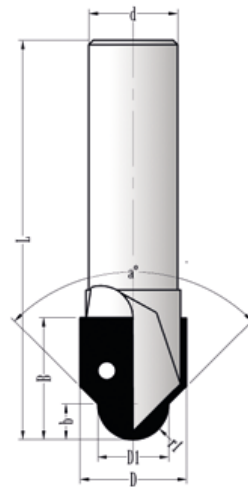
193 165 02

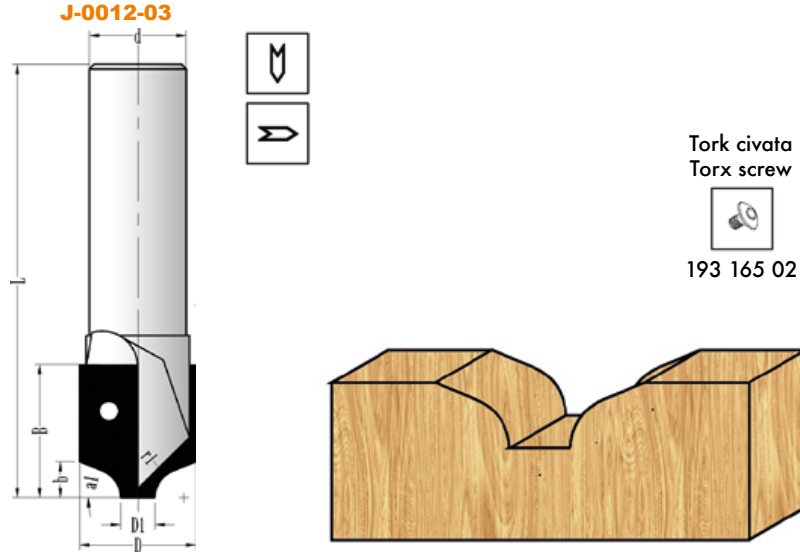
Tork anahtar
Torx key



353 165 01

J-0012-02



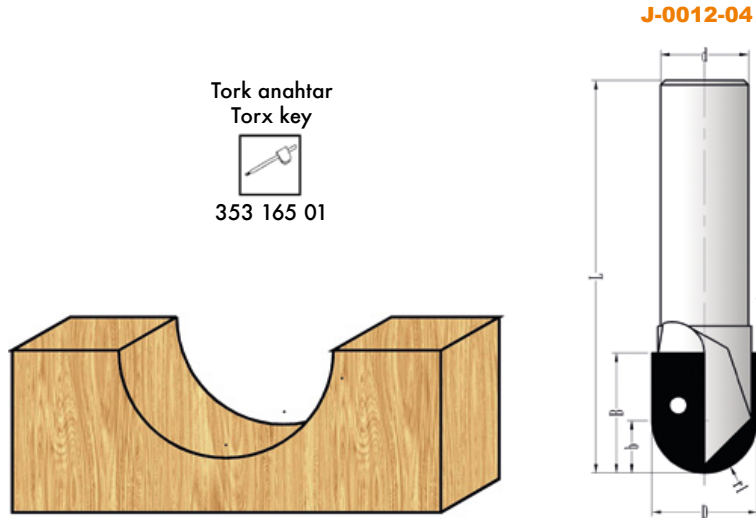


Ölçüler / Dimensions

Kod / Art No	D	D1	b	B	r1	L	d	Z	α°
J-0012-03	24	7	7.5	27	6	90	20	2	22
J-0012-04	24	-	12	27	12	90	20	2	-

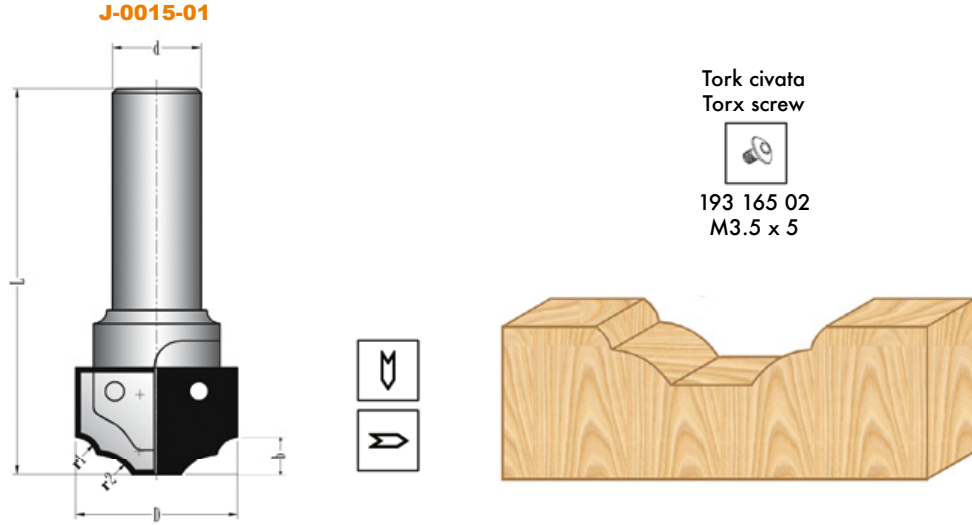
Takım tutuculara uygun, profiller sipariş edilebilir.

A variety of profile models, suitable for this body, are available upon request.



J-0015

DEĞİŞTİRİLEBİLİR JİLETLİ PROFİL BİÇAKLARI
CHANGEABLE BLADE PROFILE ROUTER BIT

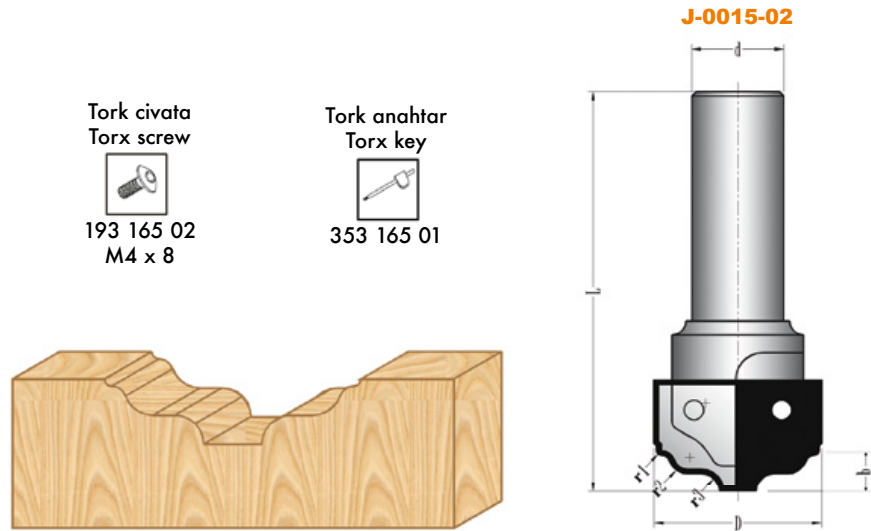


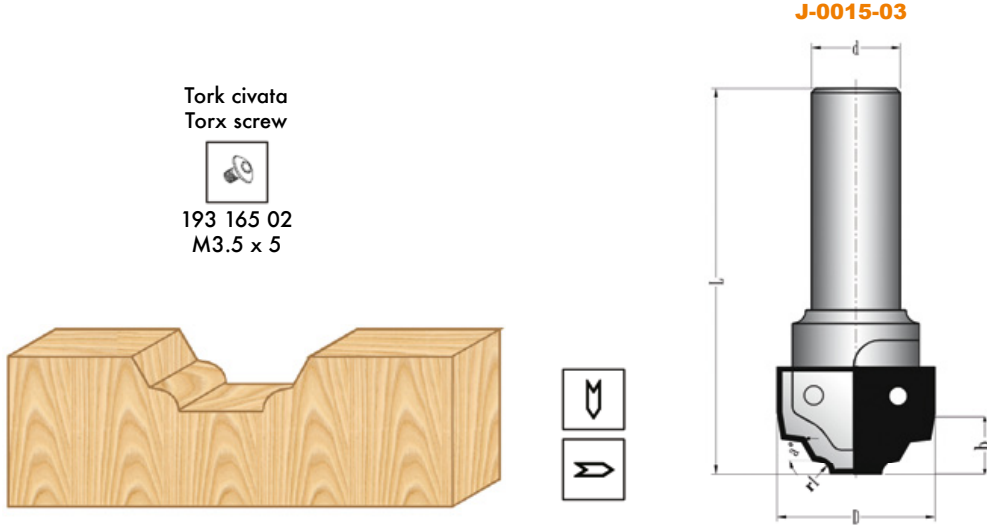
Ölçüler / Dimensions

Kod / Art No	D	b	r1	r2	r3	L	d	Z
J-0015-01	36.5	8,7	5	10	-	87	20	2
J-0015-02	36.5	10,6	1	4	4	87	20	2

Takım tutuculara uygun, profiller sipariş edilebilir.

A variety of profile models, suitable for this body, are available upon request.



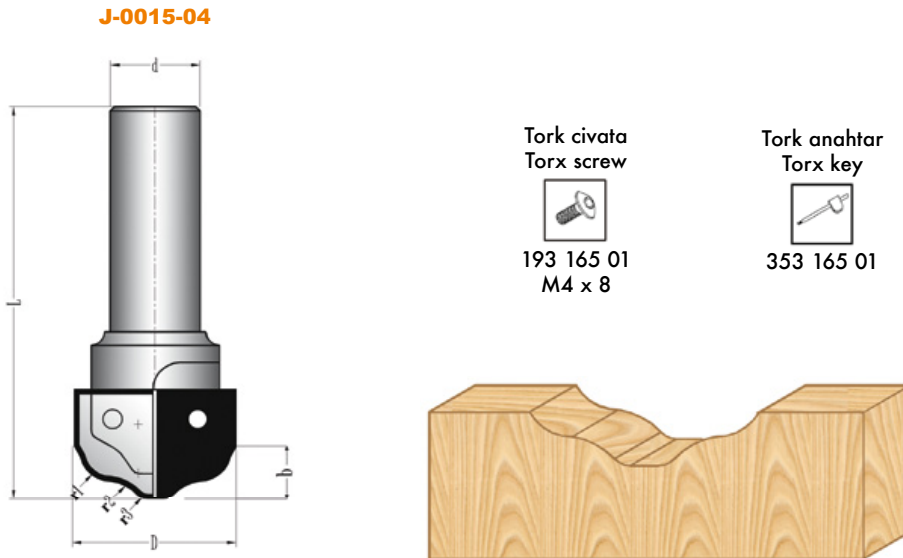


Ölçüler / Dimensions

Kod / Art No	D	b	r1	r2	r3	a	L	d	Z
J-0015-03	35,5	14	3	-	-	60	87	20	2
J-0015-04	36	11,8	7	10	7	-	87	20	2

Takım tutuculara uygun, profiller sipariş edilebilir.

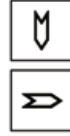
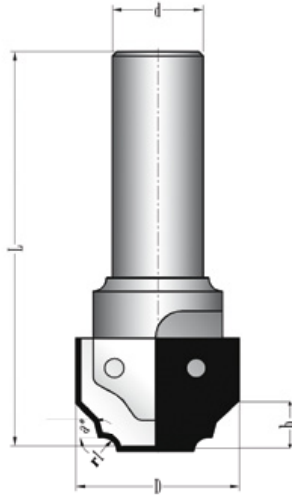
A variety of profile models, suitable for this body, are available upon request.



J-0015

DEĞİŞTİRİLEBİLİR JİLETLİ PROFİL BİÇAKLARI
CHANGEABLE BLADE PROFILE ROUTER BIT

J-0015-05



Tork civata
Torx screw



193 165 02
M3.5 x 5



Ölçüler / Dimensions

Kod / Art No	D	b	r1	a°	L	d	Z
J-0015-05	36	11,7	3	75	87	20	2
J-0015-06	32	7,5	-	130	87	20	2

Takım tutuculara uygun, profiller sipariş edilebilir.

A variety of profile models, suitable for this body, are available upon request.

Tork civata
Torx screw



193 165 01
M4 x 8

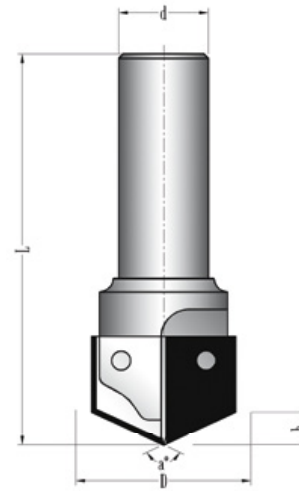
Tork anahtar
Torx key



353 165 01



J-0015-06



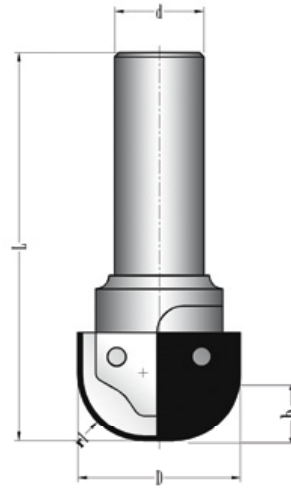
Tork civata
Torx screw



193 165 02
M3.5 x 5



J-0015-07



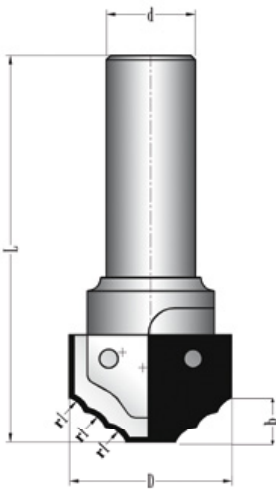
Ölçüler / Dimensions

Kod / Art No	D	b	r1	L	d	Z
J-0015-07	36,5	15	15	87	20	2
J-0015-08	36,5	10,2	5	87	20	2

Takım tutuculara uygun, profiller sipariş edilebilir.

A variety of profile models, suitable for this body, are available upon request.

J-0015-08



Tork civata
Torx screw



193 165 01
M4 x 8

Tork anahtar
Torx key



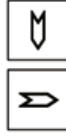
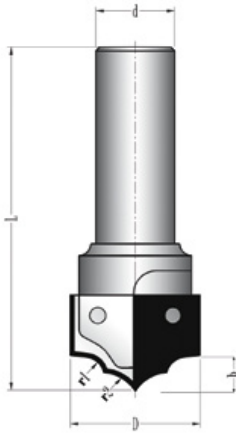
353 165 01



J-0015

DEĞİŞTİRİLEBİLİR JİLETLİ PROFİL BİÇAKLARI
CHANGEABLE BLADE PROFILE ROUTER BIT

J-0015-09



Ölçüler / Dimensions

Kod / Art No	D	b	r1	r2	L	d	Z
J-0015-09	33	9,1	5	10	87	20	2

Takım tutuculara uygun, profiller sipariş edilebilir.

A variety of profile models, suitable for this body, are available upon request.



Tork civata
Torx screw



193 165 02
M3.5 x 5

Tork anahtar
Torx key



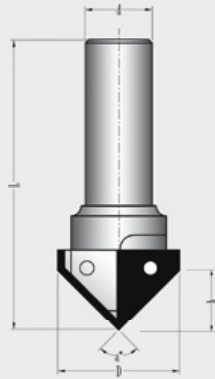
353 165 01

Tork civata
Torx screw



193 165 01
M4 x 8

J-0016-01



Tork anahtar
Torx key



353 165 01

Tork civata
Torx screw



193 165 01
M4 x 8

Tork civata
Torx screw



193 165 02
M3.5 x 5

Ölçüler / Dimensions

Kod / Art No	D	b	a	L	d	Z
J-0016-01	36,5	18,25	90	87	20	2

Takım tutuculara uygun, profiller sipariş edilebilir.

A variety of profile models, suitable for this body, are available upon request.



Ölçüler / Dimensions

Kod / Art No	D	b	a	L	d	Z
J-0017-01	18,6	8	45	85	16	1



Tork civata
Torx screw



193 165 02

Tork anahtar
Torx key



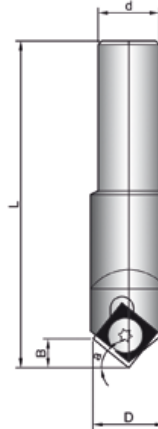
353 165 01

Jilet
Blade



J-0003-121215 KR

J-0017-01

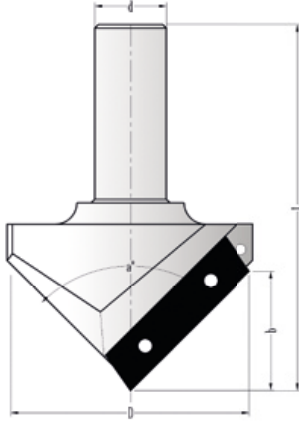


DEĞİŞTİRİLEBİLİR UÇLU BİÇAKLAR
CHANGEABLE BLADE ROUTER BIT

DEĞİŞTİRİLEBİLİR JİLETLİ PROFİL BİÇAKLARI
CHANGEABLE BLADE PROFILE ROUTER BIT

J-0018

J-0018-01



Tork civata
Torx screw



193 165 02

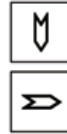
Tork anahtar
Torx key



353 165 01

Ölçüler / Dimensions

Kod / Art No	D	b	α°	L	d	Z
J-0018-01	67	33.5	90	103	20	1
J-0018-02	38.7	19.3	90	82.5	20	1



Tork civata
Torx screw



193 165 01
M4 x 8

Tork anahtar
Torx key



353 165 01

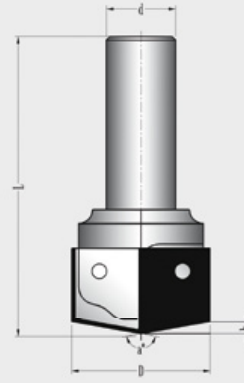
Tork civata
Torx screw



193 165 02
M3.5 x 5

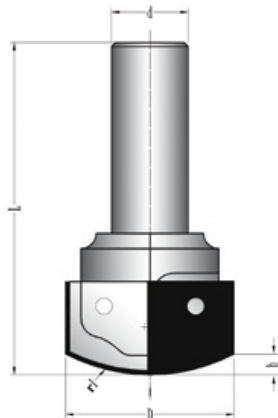


J-0020-01



0020

J-0020-02

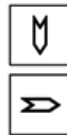


Ölçüler / Dimensions

Kod / Art No	D	b	r1	α°	L	d	Z
J-0020-01	40	3,5	-	160	87	20	1
J-0020-02	43	5,1	50	-	87	20	1

Takım tutuculara uygun, profiller sipariş edilebilir.

A variety of profile models, suitable for this body, are available upon request.

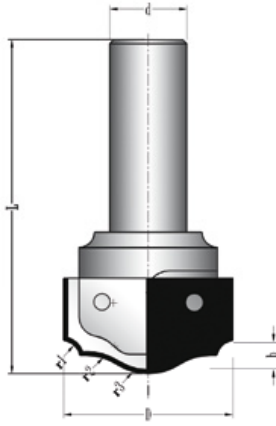


DEĞİŞTİRİLEBİLİR UÇLU BİÇAKLAR  45
CHANGEABLE BLADE ROUTER BIT

J-0020

DEĞİŞTİRİLEBİLİR JİLETLİ PROFİL BİÇAKLARI
CHANGEABLE BLADE PROFILE ROUTER BIT

J-0020-03

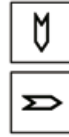


Ölçüler / Dimensions

Kod / Art No	D	b	r1	r2	r3	L	d	Z
J-0020-03	44	8,6	5	15	15	87	20	1
J-0020-04	44	10,2	5,5	9,5	-	87	20	1

Takım tutuculara uygun, profiller sipariş edilebilir.

A variety of profile models, suitable for this body, are available upon request.



J-0020

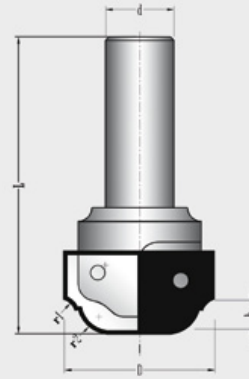
Tork civata
Torx screw
193 165 01
M4 x 8

Tork anahtar
Torx key
353 165 01

Tork civata
Torx screw
193 165 02
M3.5 x 5



J-0020-04

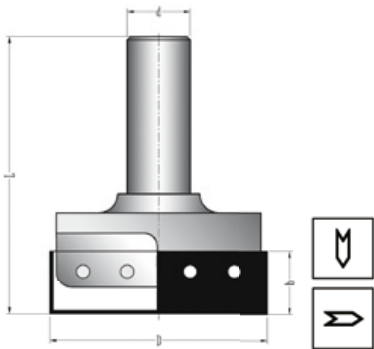


Ölçüler / Dimensions

Kod / Art No	D	b	r1	L	d	Z
J-0025-01	68,5	20	82	88	20	2

Takım tutuculara uygun, profiller sipariş edilebilir.

J-0025-01



Tork civata
Torx screw
193 165 01
M4 x 8

Tork anahtar
Torx key
353 165 01

Tork civata
Torx screw
193 165 02
M3.5 x 5

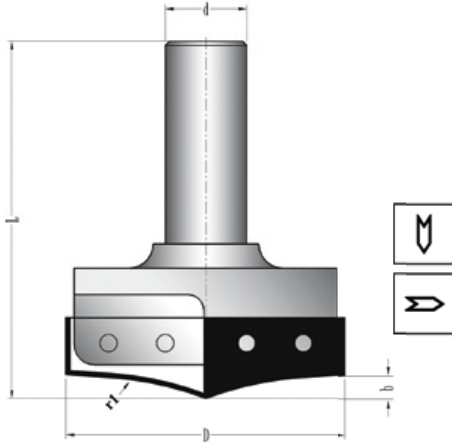
DEĞİŞTİRİLEBİLİR UÇLU BİÇAKLAR
CHANGEABLE BLADE ROUTER BIT

J-0020

DEĞİŞTİRİLEBİLİR JİLETLİ PROFİL BİÇAKLARI
CHANGEABLE BLADE PROFILE ROUTER BIT

J-0025

J-0025-02



Tork civata
Torx screw
193 165 01
M4 x 8

Tork anahtar
Torx key
353 165 01

Tork civata
Torx screw
193 165 02
M3.5 x 5



Ölçüler / Dimensions

Kod / Art No	D	b	r1	L	d	Z
J-0025-02	68,5	5,85	82	88	20	2

Ölçüler / Dimensions

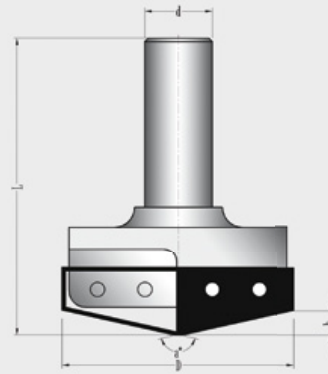
Kod / Art No	D	b	a°	L	d	Z
J-0025-03	68,5	5,8	161	88	20	2

Takım tutuculara uygun, profiller sipariş edilebilir.

A variety of profile models, suitable for this body, are available upon request.

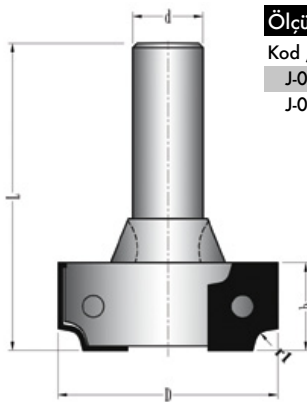


J-0025-03



J-0025-03

J-0030-01



Ölçüler / Dimensions

Kod / Art No	D	b	r1	L	d	Z	Kama / Wedge	Jilet / Blade
J-0030-01	50	20	2	70	16	2	453 160 28	J-005-01/L
J-0030-02	50	20	3	70	16	2	453 160 28	J-005-02/L

Tork civata
Torx screw
193 165 02
M3.5 x 5

Allen civata
Allen screw
193 148 07K
M6 x 12

Tork anahtar
Torx key
353 165 01

Tork anahtar
Torx key
353 165 05

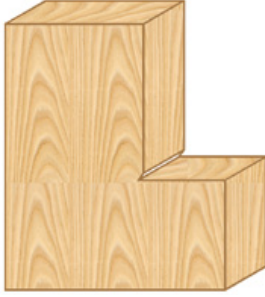


DEĞİŞTİRİLEBİLİR UÇLU BİÇAKLAR
CHANGEABLE BLADE ROUTER BIT

J-0035

DEĞİŞTİRİLEBİLİR JİLETLİ LAMBA BİÇAĞI
CHANGEABLE BLADE ROUTER BIT FOR REBATING

J-0035-01



Allen anahtar
Allen key



353 160 03

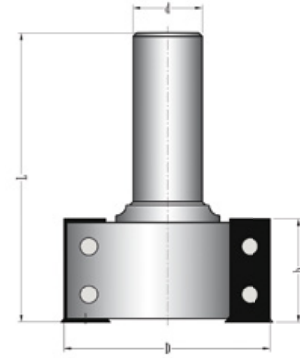
Setskür civata
Setscrew



193 148 055
M6 x 12



M5 x 7,5

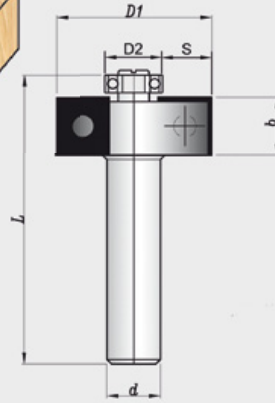


Ölçüler / Dimensions										
Kod / Art No	D	b	L	V	d	Z	Kama / Wedge	Jilet / Blade	Allen civata / Allen screw	
J-0035-01	60	30	85	2	20	4	453 160 14	J-0003-14142 KR	J-0003-301215	193 148 08
J-0035-02	60	50	105	2	20	4	453 160 15	J-0003-14142 KR	J-0003-501215	193 148 08
J-0035-03	50	60	120	-	20	4	453 160 16	-	J-0003-601215	-
J-0035-04	40	50	110	-	14/16	3	453 160 15	-	J-0003-501215	-
J-0035-05	50	50	105	-	20	4	453 160 15	-	J-0003-501215	-
J-0035-06	50	106	156	-	20	4	453 160 15/16	-	J-0003-601215-501215	-

0036



J-0036-01



Ölçüler / Dimensions

Kod / Art No	D1	D2	b	L	d	Z	S
J-0036-01	35	13	12	65	12	2	11
J-0036-02	35	13	20	70	12	2	11
J-0036-03	35	13	30	75	12	2	11

Rulman
Ball Bearing



Jilet / Blade



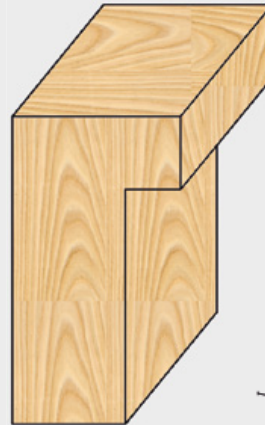
Jilet / Blade



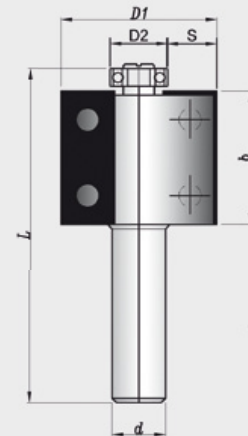
Yıldız civata



-	113 130 02	193 165 02	0003 - 121215 KR
0003 - 1951215	113 130 02	193 165 02	-
0003 - 2951215	113 130 02	193 165 02	-



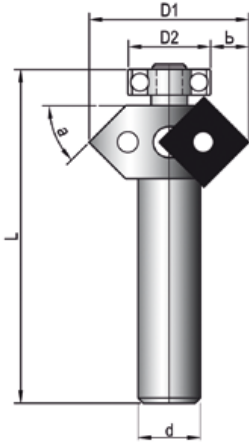
J-0036-03



DEĞİŞTİRİLEBİLİR JİLETLİ PROFİL BİÇAKLAR
CHANGEABLE BLADE PROFILE ROUTER BIT

J-0037

J-0037-01



Rulman
Ball Bearing



113 130 03

Jilet / Blade



193 165 02

Tork civata
Torx screw



0003 - 121215 KR

Ölçüler / Dimensions

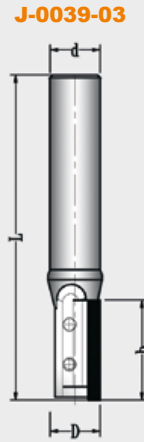
Kod / Art No	D1	D2	b	L	d	a	Z
J-0037	31	16	7.5	65	12	45	2



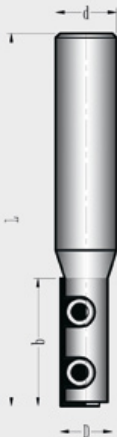
DEĞİŞTİRİLEBİLİR JİLETLİ PARMAK FREZE CHANGEABLE ROUTER TURNBLADE DESING

Ölçüler / Dimensions

Kod / Art No	D	b	L	d	Z	Jilet / Blade	Tork civata
J-0039-01	8	20	65	10	1	J-0003-204111	193 165 09
J-0039-02	9	20	65	10	1	J-0003-204111	193 165 09
J-0039-03	10	20	65	10	1	J-0003-204111	193 165 09
J-0039-04	12	29.5	86.5	14	1	J-0003-295915	193 165 07



J-0039-04



Tork civata
Torx screw



193 165 09

Tork anahtar
Torx key



353 165 05

Kama Wedge



453 160 30

Jilet Blade

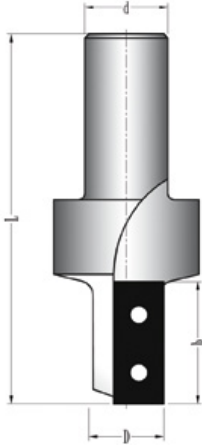


J-0003-204111

J-0040

DEĞİŞTİRİLEBİLİR JİLETLİ PARMAK FREZE
CHANGEABLE ROUTER TURNBLADE DESING

J-0040-01



Tork civata
Torx screw

193 165 02
M 3.5 x 5

Tork anahtar
Torx key

353 165 01

Ölçüler / Dimensions

Kod / Art No	D	b	L	d	Z	Jilet / Blade
J-0040-01	18	30	111,5	20	1	J-0003-2951215
J-0040-02	18	40	121,5	20	1	J-0003-3951215
J-0040-03	18	50	109	20	1	J-0003-4951215
J-0040-04	18	60	131,5	20	1	J-0003-5951215



DEĞİŞTİRİLEBİLİR JİLETLİ KENAR YUVARLAMA BİÇAKLARI CHANGEABLE BLADE PROFILE ROUTER BIT

Ölçüler / Dimensions

Kod / Art No	D	r1	b	L	d	Z	Jilet / Blade
J-0045-01	45	2	16	81	20/18	2	J-0004-01
J-0045-02	45	3	16	81	20/18	2	J-0004-02



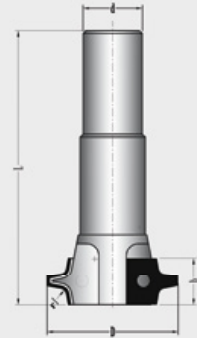
Tork anahtar
Torx key

353 165 01

Tork civata
Torx screw

193 165 01
M 4 x 8

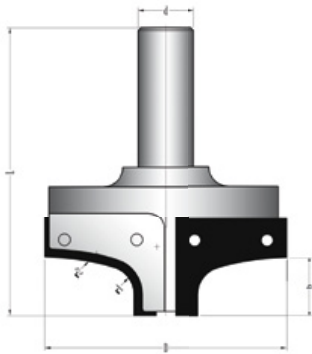
J-0045-01



DEĞİŞTİRİLEBİLİR JİLETLİ PROFİL BİÇAKLARI

CHANGEABLE BLADE ROUTER BIT FOR REBATING

J-0050-01



Ölçüler / Dimensions

Kod / Art No	D	b	r1	r2	L	d	Z
J-0050-01	85	21	13	85	103.5	20	2

Tork anahtar
Torx key

353 165 01

Tork civata
Torx screw

193 165 01
M 4 x 8

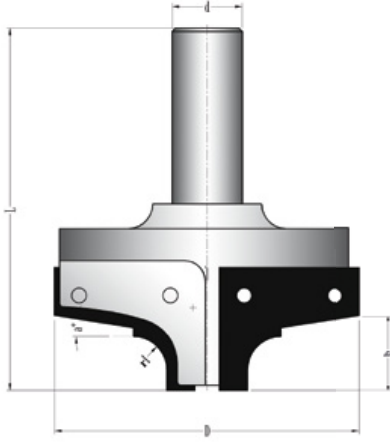


DEĞİŞTİRİLEBİLİR UÇLU BİÇAKLAR
CHANGEABLE BLADE ROUTER BIT

DEĞİŞTİRİLEBİLİR JİLETLİ PROFİL BİÇAKLARI
CHANGEABLE BLADE ROUTER BIT FOR REBATING

J-0050

J-0050-02



Ölçüler / Dimensions

Kod / Art No	D	b	a	r1	L	d	Z
J-0050-02	85	21,4	9	9,5	103,5	20	2

Takım tutuculara uygun, profiller sipariş edilebilir.

A variety of profile models, suitable for this body, are available upon request.

Tork civata
Torx screw



193 165 01

Tork anahtar
Torx key



353 165 01
M 4 x 8



DEĞİŞTİRİLEBİLİR JİLETLİ KAPI LAMBA BİÇAKLARI
CHANGEABLE BLADE CUTTERS FOR THE DOORS

Ölçüler / Dimensions

Kod / Art No	D1	D	r1	B	b1	d	L	Z
J-0053-01	86	108	3	11-45	11-19	20	126	4+4

Allen anahtar
Allen key



353 160 03
353 160 05

Havsa b. civata
Shank screw



193 148 08

Allen civata
Allen screw



193 148 07K

Jilet
Blade

J0007-22143 R3

Kama
Wedge



453 160 31
453 160 32

Jilet
Blade

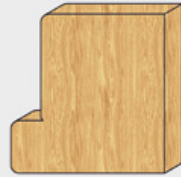


J0003-14142 KR

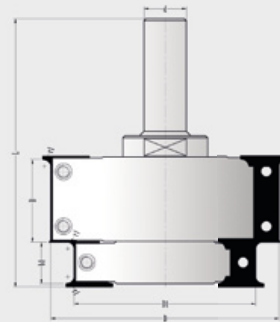
Jilet
Blade



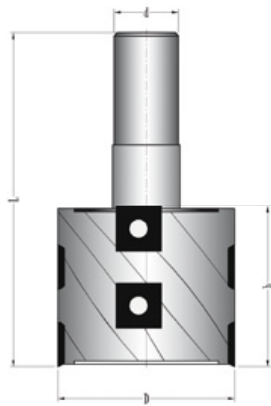
J0003-191215
J0003-191215



J-0053-01



J-0055-01



Ölçüler / Dimensions

Kod / Art No	D	b	L	d	Z
J-0055-01	55	50	118,5	20	4 x 2
J-0055-02	50	35	103,5	20	4 x 2
J-0055-03	45	35	103,5	18	4 x 2

Jilet Blade



J-0003-14142 KR
J-0003-14142 KR
J-0003-14142 KR

Tork anahtar
Torx key

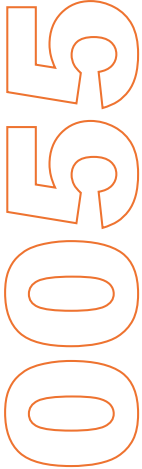


353 165 02

Tork civata
Torx screw



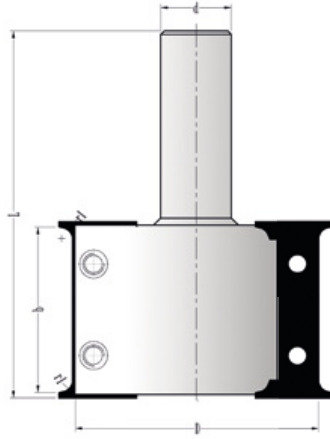
193 165 08
M 5 x 8



J-0057

DEĞİŞTİRİLEBİLİR JİLETLİ PROFİL BİÇAKLAR
CHANGEABLE BLADE PROFILE ROUTER BIT

J-0057-01



Ölçüler / Dimensions

Kod / Art No	D	b	r1	d	L	Z
J-0057-01	70	22-47	3	20	140	2



353 160 03



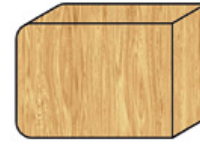
453 160 15



J-0003-4951215



J-0007-22165 R3



Ölçüler / Dimensions

Kod / Art No	D	b	r1	L	d	Z
J-0060-01	49	24,9	6,5	90	20	2
J-0060-02	49	24,9	7	90	20	2
J-0060-03	49	24,9	8	90	20	2
J-0060-04	49	24,9	9	90	20	2

Takım tutuculara uygun, profiller sipariş edilebilir.

A variety of profile models, suitable for this body, are available upon request.



193 165 01
M4 x 8



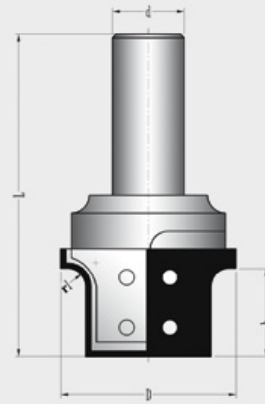
353 165 01



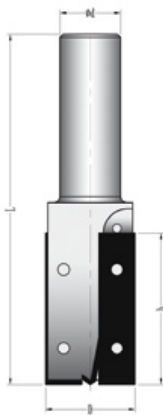
193 165 02
M3.5 x 5



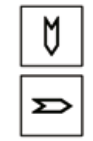
J-0060-01



J-0064-02



193 165 02
M3.5 x 5



Ölçüler / Dimensions

Kod / Art No	D	b	L	d	Z	Jilet / Blade
J-0064-01	30	39.5	94	20	2+2	J-0003-3951215
J-0064-02	30	49.5	104	20	2+2	J-0003-4951215
J-0064-03	30	59.5	114	20	2+2	J-0003-5951215



353 165 01



DEĞİŞTİRİLEBİLİR UÇLU BİÇAKLAR
CHANGEABLE BLADE ROUTER BIT



DEĞİŞTİRİLEBİLİR JİLETLİ PARMAK FREZE
CHANGEABLE ROUTER TURNBLADE DESING

J-0065

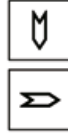
J-0065-02



Tork civata
Torx screw



193 165 06



Tork anahtar
Torx key



353 165 01

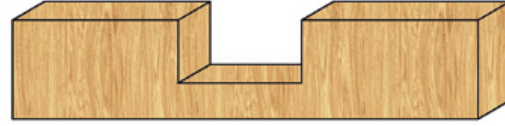
Ölçüler / Dimensions

Kod / Art No	D	b	L	d	Z
J-0065-01	25	29.5	116	20	2+2
J-0065-02	25	49.5	126	20	2+2
J-0065-03	25	59.5	136	20	2+2

Jilet
Blade



J - 0003 - 295915
J - 0003 - 495915
J - 0003 - 595915



J-0066-01



Tork civata
Torx screw



193 165 07
M3.5 x 5.5

Tork anahtar
Torx key



353 165 01

Jilet
Blade



J-0003-03

Tork civata
Torx screw



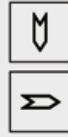
193 165 07
M3.5 x 5.5

Jilet
Blade



0003-01

J-0066-03



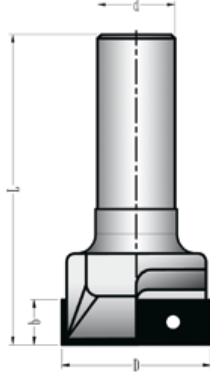
Ölçüler / Dimensions

Kod / Art No	D	b	B	L	d	Z	Jilet / Blade	Jilet / Blade	Jilet / Blade
J-0066-01	18	50		120	20	2 +1	J-0003-4951215	0003-301215	751215
J-0066-02	18	60		130	20	2 +1	J-0003-2951215	0003-5951215	751215
J-0066-03	17	30	90	125	16	2 +1	J-0003-2951215	J-0003-121215 KR	751215



J-0068

DEĞİŞTİRİLEBİLİR JİLETLİ PARMAK FREZE
CHANGEABLE ROUTER TURNBLADE DESING



J-0068-01

Ölçüler / Dimensions

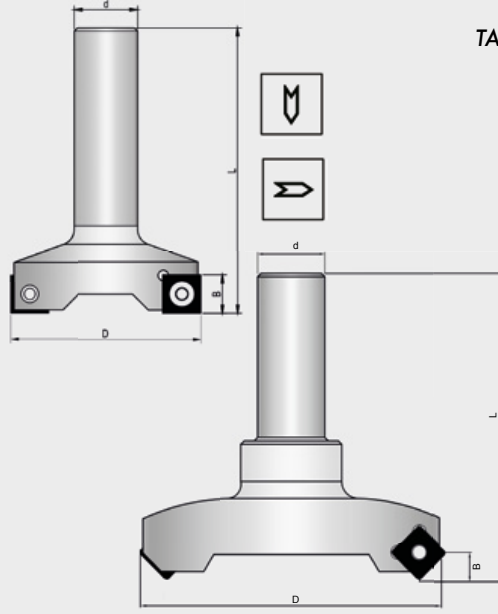
Kod / Art No	D	b	L	d	Z	Jilet / Blade
J-0068-01	38.5	12	80	20	2	J-0003-1951215
J-0068-02	58.5	12	80	20	2	J-0003-2951215
J-0068-03	78.5	12	80	20	2	J-0003-3951215



Tork civata
Torx screw
193 165 06

Tork anahtar
Torx key
353 165 01

69000



DEĞİŞTİRİLEBİLİR JİLETLİ TABLA TEMİZLEME TABLE CLEANING WITH REPLACEABLE BLADES

Ölçüler / Dimensions

Kod / Art No	D	B	L	d	Z
J-0069-01	60	12	90	20	4
J-0069-02	90	12	90	20	4
J-0069-03	100	12	90	20	4
J-0069-04	91,5	7,65	90	20	4

Tork civata
Torx screw
193 165 02

Tork anahtar
Torx key
353 165 01

Jilet
Blade
J-0003-121215 KR

Jilet
Blade
J-0003-121215 R2

DEĞİŞTİRİLEBİLİR JİLETLİ PARMAK FREZE CHANGEABLE ROUTER TURNBLADE DESING

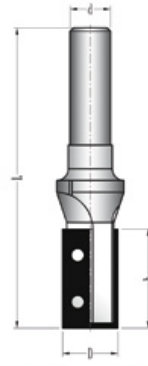
Ölçüler / Dimensions

Kod / Art No	D	b	L	d	Z
J-0070-01	14	29,5	89,5	12/14	2
J-0070-02	16	29,5	89,5	14/16	2

Tork civata
Torx screw
193 165 07
M3.5 x 5.5

Tork anahtar
Torx key
353 165 01

Jilet
Blade
J-0003-295915



J-0070-01



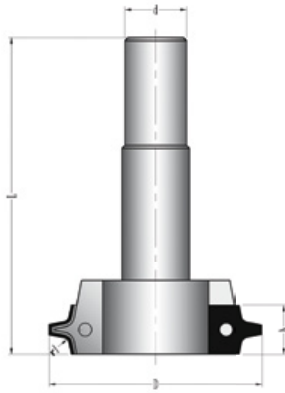
07000

DEĞİŞTİRİLEBİLİR UÇLU BİÇAKLAR
CHANGEABLE BLADE ROUTER BIT

DEĞİŞTİRİLEBİLİR JİLETLİ KENAR YUVARLAMA BİÇAĞI
CHANGEABLE ROUTER TURNBLADE DESING

J-0073

J-0073-01



Ölçüler / Dimensions

Kod / Art No	D	b	r1	L	d	Z	Jilet / Blade
J-0073-01	68,5	16	2	103	2	3	J-0004-01
J-0073-02	68,5	16	3	103	20	3	J-0004-02

Tork civata
Torx screw



193 165 01
M4 x 8

Tork anahtar
Torx key



353 165 01



SERT METAL JİLETLİ TOPLAR
REBATING CUTTER BLOCK KNIVES

Allen anahtar
Allen key



353 160 04

Allen civata
Allen screw



193 148 12
M8 x 27



J-0075-01

Ölçüler / Dimensions

Kod / Art No	D	b	d	Z	Kama / Wedg	Jilet / Blade
J-0075-01	130	80	40	4	453 160 10	J-0003-801322
J-0075-02	130	100	40	4	453 160 11	J-0003-1001322
J-0075-03	130	120	40	4	453 160 12	J-0003-1201322

SERT METAL VE HSS PLANYA TOPLARI

T.C.T OR HSS BLOCK KNIVES



J-0080-01



M6 x 12

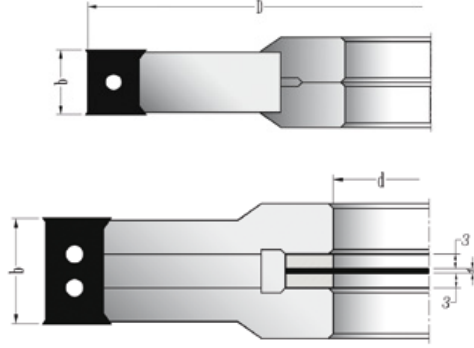


Ölçüler / Dimensions

Kod / Art No	D	b	d	Z	Kama / Wedg	Setskür civata / S.screw	Allen anahtar / A. key
J-0080-01	125	80	40	4	453 160 01	193 148 05S	353 160 02
J-0080-02	125	100	40	4	453 160 02	193 148 05S	353 160 02
J-0080-03	125	120	40	4	453 160 03	193 148 05S	353 160 02
J-0080-04	125	150	40	4	453 160 04	193 148 05S	353 160 02
J-0080-05	125	180	40	4	453 160 05	193 148 05S	353 160 02
J-0080-06	125	220	40	4	453 160 06	193 148 05S	353 160 02
J-0080-07	125	230	40	4	453 160 07	193 148 05S	353 160 02
J-0080-08	125	240	40	4	453 160 08	193 148 05S	353 160 02
J-0080-09	100	120	35	3	453 160 09	193 148 05S	353 160 02
J-0080-10	100	190	35	3	453 160 10	193 148 05S	353 160 02

J-0085

DEĞİŞTİRİLEBİLİR JİLETLİ AYARLI KANAL FREZE
CHANGEABLE BLADE GROOVING CUTTERS



Allen civata
Allen screw



193 148 07K
M6 X 12

Raynel
Spacer



553 148 01/05

Allen anahtar
Allen key



353 160 03
353 160 05

Havsa b.civata
Shank screw



193 148 08
M5 x 7.5

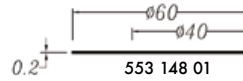
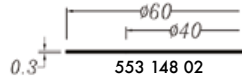
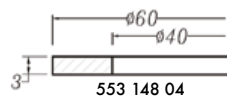
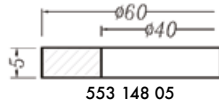
Jilet
Blade



J-0003-14142 KR

Ölçüler / Dimensions

Kod / Art No	D	b	V	d	Z	Kama / Wedge	Jilet / Blade
J-0085-01	160	8-15	2	40	4	453 160 17	J-0003-151215 TD
J-0085-02	160	15-22	2	40	4	453 160 18	J-0003-151215 TD



DEĞİŞTİRİLEBİLİR JİLETLİ AYARLANABİLİR ZIVANA
CHANGEABLE BLADE GROOVING CUTTERS

Ölçüler / Dimensions

Kod / Art No	D1	D2	B	L	d	V	Z
J-0088-01	30	50	8 - 30	132	20	3	3+3

Allen civata
Allen screw



193 148 04K

Tork anahtar
Torz key



353 165 07

Tork civata
Torz screw



193 165 07

Setskür civata
Setskür screw



193 148 05S

Jilet
Blade



J-0003-10510515 KR

Allen anahtar
Allen key

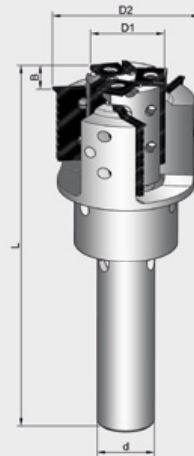


353 160 03

Jilet
Blade



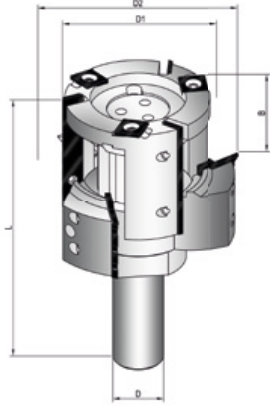
J-0003-2950915



DEĞİŞTİRİLEBİLİR UÇLU BİÇAKLAR
CHANGEABLE BLADE ROUTER BIT

DEĞİŞTİRİLEBİLİR JİLETLİ AYARLANABİLİR ZIVANA
CHANGEABLE BLADE GROOVING CUTTERS

J-0089



Ölçüler / Dimensions

Kod / Art No	D1	D2	B	L	d	V	Z
J-0089-01	60	80	10 - 40	125	20	3	3+3

Allen civata
Allen screw



193 148 04K

Tork anahtar
Torz key



353 165 07

Tork civata
Torz screw



193 165 07

Jilet
Blade



J-0003-4950915

Setskür civata
Setskür screw



193 148 05S

Jilet
Blade



J-0003-10510515 KR

Allen anahtar
Allen key



353 160 03

DEĞİŞTİRİLEBİLİR JİLETLİ - AYARLI ZIVANA BIÇAĞI
CHANGEABLE BLADE GROOVING CUTTERS

J-0090-01

Allen anahtar
Allen key



353 160 03
353 160 05

Havsa b.civata
Shank screw



193 148 08
M6 x 10

Allen civata
Allen screw

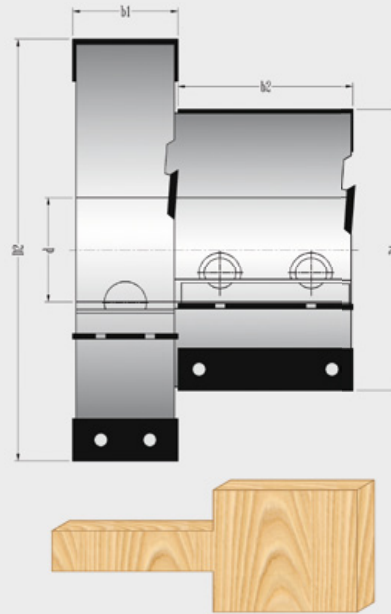


193 148 09K
M6 x 10

Setskür civata
Setskür screw



193 148 10S
M6 x 8



Ölçüler / Dimensions

Kod / Art No	D	b1	D2	b2	d	V	Z	Kama / Wedge	Jilet / Blade
J-0090-01	90	30	140	0-60	30	4+6	4+4	453 160 19 / 20	J-0003-301215 J-0003-501215 KR



DEĞİŞTİRİLEBİLİR UÇLU BIÇAKLAR 57
CHANGEABLE BLADE ROUTER BIT

J-0095

DEĞİŞTİRİLEBİLİR JİLETLİ HELİS TEMİZLEME BİÇAKLARI
CHANGEABLE BLADE JOINING CUTTERS

Ölçüler / Dimensions

Kod / Art No	D	b	d	Z
J-0095-01	85	80	30	6
J-0095-02	85	100	30	6

Tork anahtar
Torx key



353 165 02

Jilet
Blade



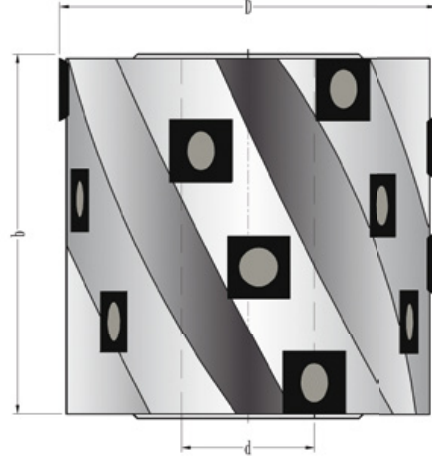
J-0003-14142 KR

Tork civata
Torx screw



193 165 08
M5 x 8

J-0095-01



DEĞİŞTİRİLEBİLİR JİLETLİ HELİS BİÇAK TOPU
HELICAL CUTTER HEAD



- . Helis bıçak topu
Hellical Cutter Head
- . Planya, Kalınlık ve Kombine Makinalarda Kullanabilir
Usage for Surface Planers (Jointers), Thicknessers and Combinations
- . Yüksek Oranda Ses İzalasyonu
Extreme Noise Reduction
- . Uzun Kullanım Ömrü
Long Lifetime
- . 4 Taraflı İnsert Bıçaklar
4 Sided Insert Blades
- . Talaşı Sıçratmaz
No Tear Out
- . Kolay Takılır, Sökülür
Easy Replacement
- . İstenilen Ölçülerde İmal Edilebilir
Can Be Manufactured In Various Dimensions

1600

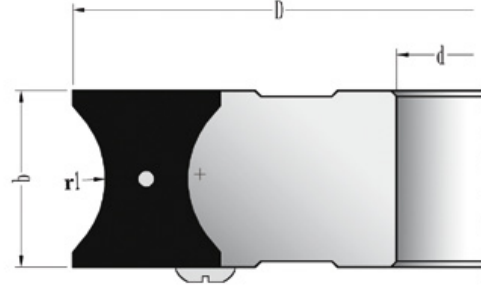


DEĞİŞTİRİLEBİLİR UÇLU BİÇAKLAR
CHANGEABLE BLADE ROUTER BIT

DEĞİŞTİRİLEBİLİR JİLETLİ AYARLANABİLİR ZIVANA
CHANGEABLE BLADE GROOVING CUTTERS

J-0100

J-0100-01



Tornavida civata
Screw



193 172 01
M4 x 8

Allen civata
Allen screw



193 148 03
M7 x 11

Allen anahtar
Allen key



353 160 04

Ölçüler / Dimensions

Kod / Art No	D	b	r1	d	Z	Kama / Wedge	Jilet / Blade
J-0100-01	140	30	16	30	4	453 160 22	J-0006-15
J-0100-02	140	30	15	30	4	453 160 22	J-0006-14
J-0100-03	140	30	14	30	4	453 160 22	J-0006-13
J-0100-04	140	26	13	30	4	453 160 23	J-0006-12
J-0100-05	140	26	12	30	4	453 160 23	J-0006-11
J-0100-06	140	26	11	30	4	453 160 23	J-0006-10
J-0100-07	140	20	8	30	4	453 160 24	J-0006-07
J-0100-08	140	20	7	30	4	453 160 24	J-0006-06
J-0100-09	140	20	6	30	4	453 160 24	J-0006-05
J-0100-10	140	13	4	30	4	453 160 25	J-0006-03
J-0100-11	140	13	3	30	4	453 160 25	J-0006-02
J-0100-12	140	13	2	30	4	453 160 25	J-0006-01

DEĞİŞTİRİLEBİLİR JİLETLİ PROFİL BİÇAKLARI PROFILE ROUTER CUTTERS T.C.T

Ölçüler / Dimensions

Kod / Art No	D	B	d	a	Z
J-0104-01	160	50	30	45	4
J-0104-02	160	60	30	45	4

Allen anahtar
Allen key



353 160 03

Kama
Wedge



453 160 15
453 160 16

Setskür civata
Setskür screw

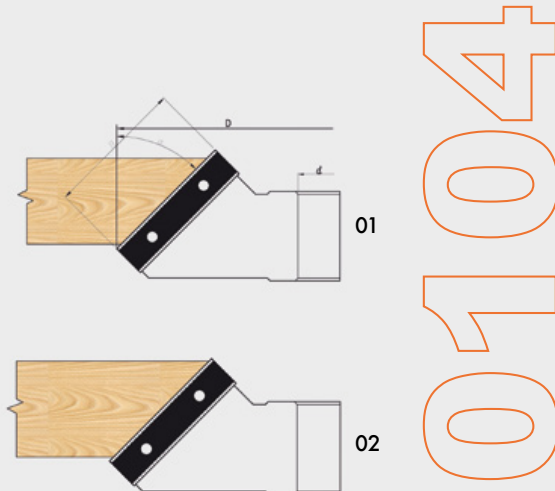


193 148 01S

Jilet
Blade



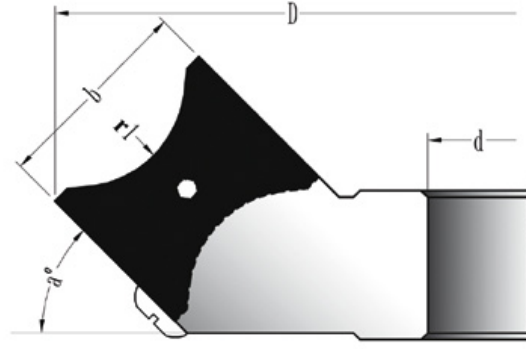
J-0003-501215
J-0003-601215



J-0105

DEĞİŞTİRİLEBİLİR JİLETLİ PROFİL BİÇAK
CHANGEABLE BLADE PROFILE CUTTERS

J-0105-01



Tornavida civata
screw



193 172 01
M4 x 8

Allen civata
Allen screw



193 148 03
M7 x 11

Allen anahtar
Allen key



353 160 04

Ölçüler / Dimensions

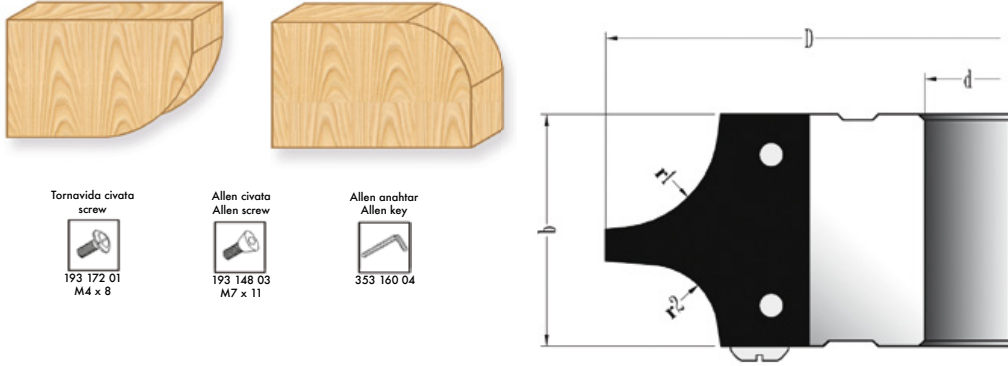
Kod / Art No	D	a	b	r1	d	Z	Kama / Wedge	Jilet / Blade
J-0105-01	140	45	30	16	30	4	453 160 22	J-0006-15
J-0105-02	140	45	30	15	30	4	453 160 22	J-0006-14
J-0105-03	140	45	30	14	30	4	453 160 22	J-0006-13
J-0105-04	140	45	26	13	30	4	453 160 23	J-0006-12
J-0105-05	140	45	26	12	30	4	453 160 23	J-0006-11
J-0105-06	140	45	26	11	30	4	453 160 23	J-0006-10
J-0105-07	140	45	20	8	30	4	453 160 24	J-0006-07
J-0105-08	140	45	20	7	30	4	453 160 24	J-0006-06
J-0105-09	140	45	20	6	30	4	453 160 24	J-0006-05
J-0105-10	140	45	13	4	30	4	453 160 25	J-0006-03
J-0105-11	140	45	13	3	30	4	453 160 25	J-0006-02
J-0105-12	140	45	13	2	30	4	453 160 25	J-0006-01



DEĞİŞTİRİLEBİLİR JİLETLİ PROFİL BİÇAKLAR
CHANGEABLE BLADE PROFILE CUTTERS

J-0106

J-0106-05



Ölçüler / Dimensions

Kod / Art No	D	b	r1	r2	d	Z	Kama / Wedge
J-0106-01	120	20	3	6	30	3	453 160 26
J-0106-02	120	20	4	8	30	3	453 160 26
J-0106-03	120	20	5	10	30	3	453 160 26
J-0106-04	140	40	12	18	30	3	453 160 27
J-0106-05	140	40	15	20	30	3	453 160 27

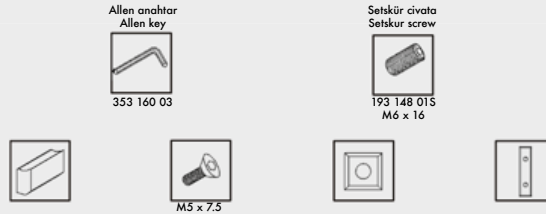


DEĞİŞTİRİLEBİLİR JİLETLİ - ÖN ÇİZİCİLİ FREZE TOPLARI

REBATING CUTTER BLOCK Z2+V2 WITH REVERSIBLE CARBIDE KNIVES

Ölçüler / Dimensions

Kod / Art No	D	b	V	d	Z	Kama / Wedge	Allen civata / A. Screw	Jilet / Blade	Jilet / Blade
J-0740-01	85	50	30	4	4	453 160 15	-	-	J-0003-501215
J-0740-02	85	50	4	30	4	453 160 15	193 148 08	J-0003-14142 KR	J-0003-501215
J-0740-03	85	60	30	4	4	453 160 16	-	-	J-0003-601215
J-0740-04	100	50	4	30	4	453 160 15	193 148 08	J-0003-14142 KR	J-0003-501215
J-0740-05	85	100	30	4+4	4	453 160 15	-	-	J-0003-501215
J-0740-06	125	50	4	30	4	453 160 15	193 148 08	J-0003-14142 KR	J-0003-501215
J-0740-07	85	30	4	30	4	453 160 14	193 148 08	J-0003-14142 KR	J-0003-301215
J-0740-08	85	30	30	4	4	453 160 14	-	-	J-0003-301215



0740

J-0741

DEĞİŞTİRİLEBİLİR JİLETLİ-ÖN FREZE TEMİZLEME BİÇAĞI CHANGEABLE BLADE PROFILE ROUTER BIT

J-0741-01

Ölçüler / Dimensions

Kod / Art No	D1	D2	L	d	S	Z
J-0741-01	70	38	50	20	10	4
J-0741-02	100	65	70	30	10	3+3



Allen anahtar
Allen key



353 160 03

Setskür civata
Setskür screw

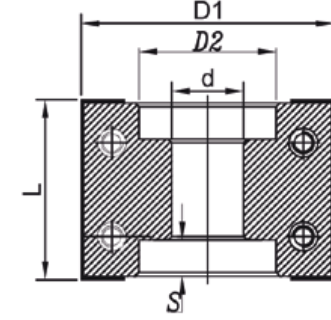


193 148 01S

Kama
Wedge



453 160 15
453 160 15 / 453 160 13



Jilet
Blade



J-0003-501215
J-0003-201215 / J-0003-501215

J-0741-01

DEĞİŞTİRİLEBİLİR JİLETLİ GERMAN LAMBA AÇMA TOP GRUBU REBATING CUTTER BLOCK FOR DOOR, WITH CHANGEABLE BLADE

Ölçüler / Dimensions

Kod / Art No	D	b	a	V	d	Z	Jilet / Blade	Allen civata / A. screw
J-0745-01	109	30	11	-	30	2	-	-
J-0745-02	125	30	-	2	30	2	J-0003-14142	KR193 148 08



Setskür civata
Setskür screw



193 148 01S
M6 x 16



M5 x 7.5



J-0003-301215



453 160 14

Allen anahtar
Allen key



353 160 03

DEĞİŞTİRİLEBİLİR JİLETLİ AÇI AYARLI FREZE TOPU

SWIVEL CUTTER BLOCK Z2 WITH REVERSIBLE CARBIDE KNIVES

Ölçüler / Dimensions

Kod / Art No	D	b	a	d	Z	Kama / Wedge	Jilet / Blade
J-0750-01	170	50	0-75	30	2	453 160 21	J-0003-501215
J-0750-02	170	60	0-75	30	2	453 160 20	J-0003-601215



J-0750-01



Allen anahtar
Allen key



353 160 03

Allen civata
Allen screw



193 148 03K
M7 x 11

 DEĞİŞTİRİLEBİLİR UÇLU BİÇAKLAR
CHANGEABLE BLADE ROUTER BIT

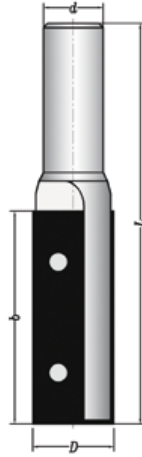
J-0750-01

DEĞİŞTİRİLEBİLİR JİLETLİ PARMAK FREZELER
CHANGEABLE ROUTER TURNBLADE DESING

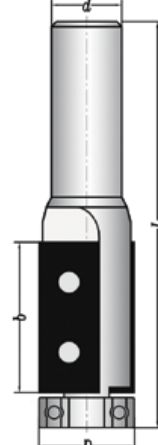
J-0755



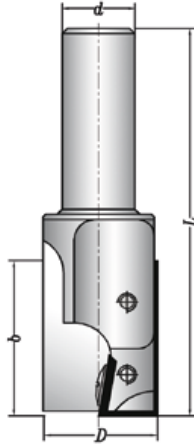
J-0755-01



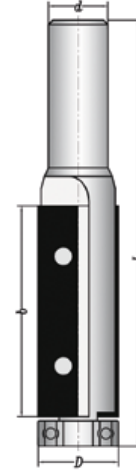
J-0755-02



J-0755-03



J-0755-04



J-0755-05

Ölçüler / Dimensions

Kod / Art No	D	b	L	d	Z	Jilet / Blade	Rulman / Ball Bearing	Jilet / Blade	Yıldız cıva / Blade
J-0755-01	19	29.5	74	14	2	J-0003-2951215	-	-	-
J-0755-02	19	49.5	94	14	2	J-0003-4951215	-	-	-
J-0755-03	19	30	81	14	2	J-0003-301215	113 130 01	-	193 120 01
J-0755-04	23	29.5	80	14	1	J-0003-2951215	-	J-0003-121215 KR	-
J-0755-05	19	50	101	14	2	J-003-501215	113 130 01	-	193 120 01

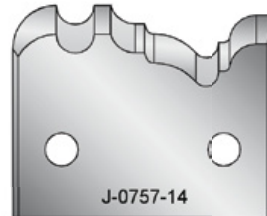
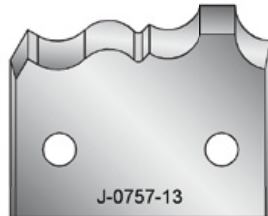
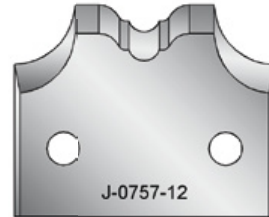
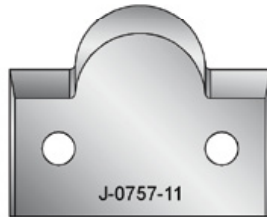
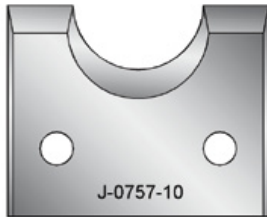
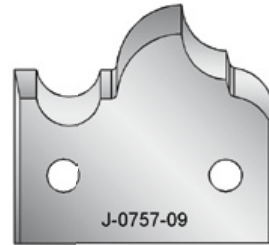
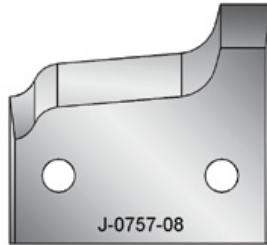
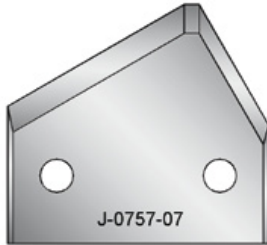
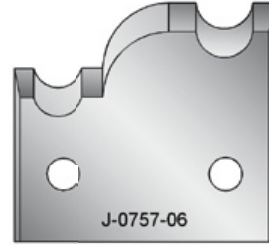
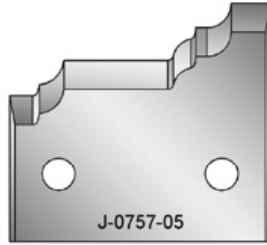
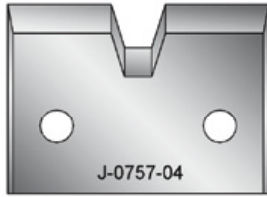
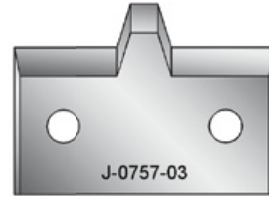
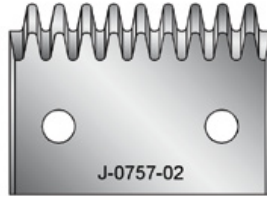


M4 x 10

DEĞİŞTİRİLEBİLİR UÇLU BİÇAKLAR  63
CHANGEABLE BLADE ROUTER BIT

J-0757

SS PROFİL BİÇAK SETİ
PROFILE SET (SS)



SS PROFİL BİÇAK SETİ
PROFILE SET (SS)

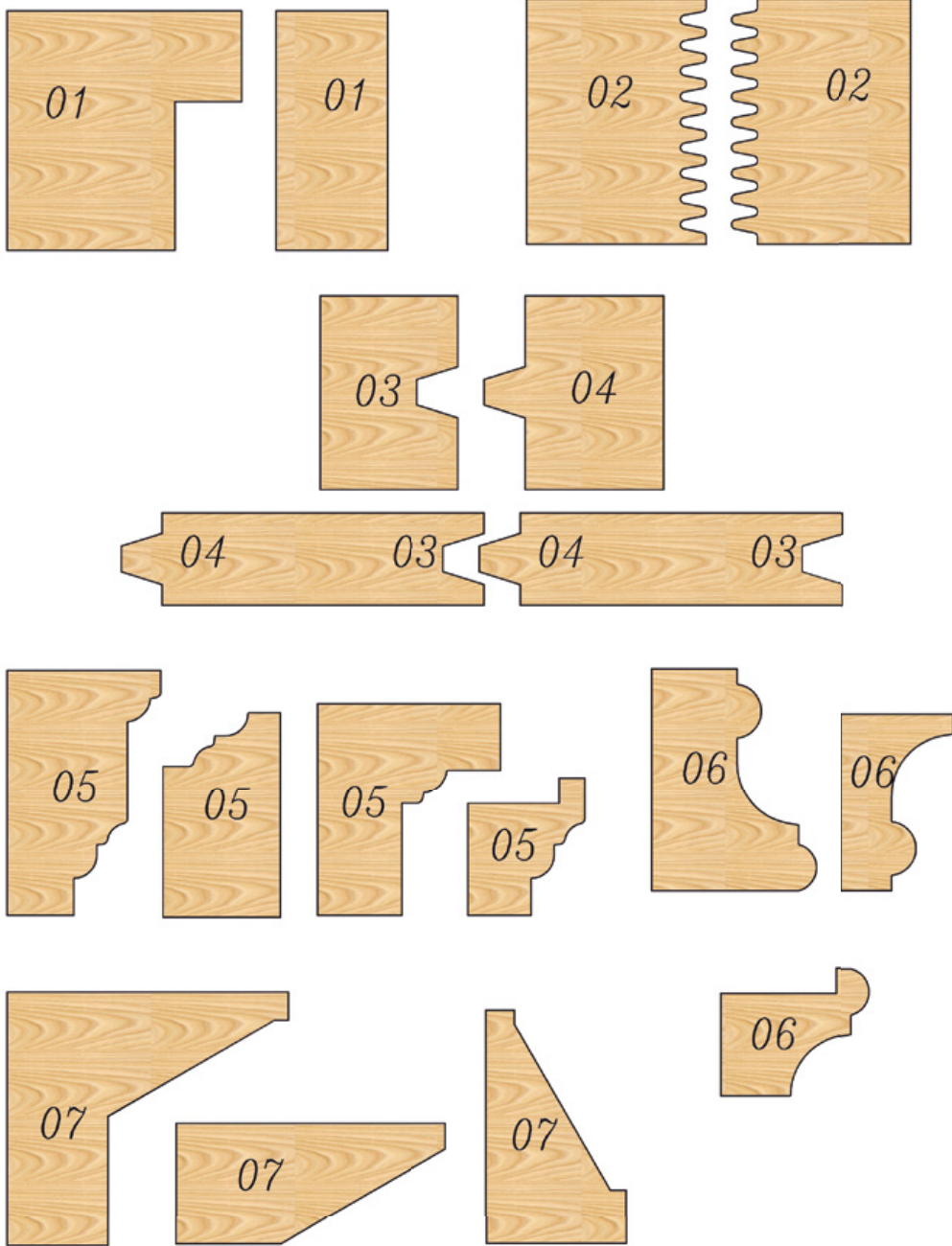
J-0757

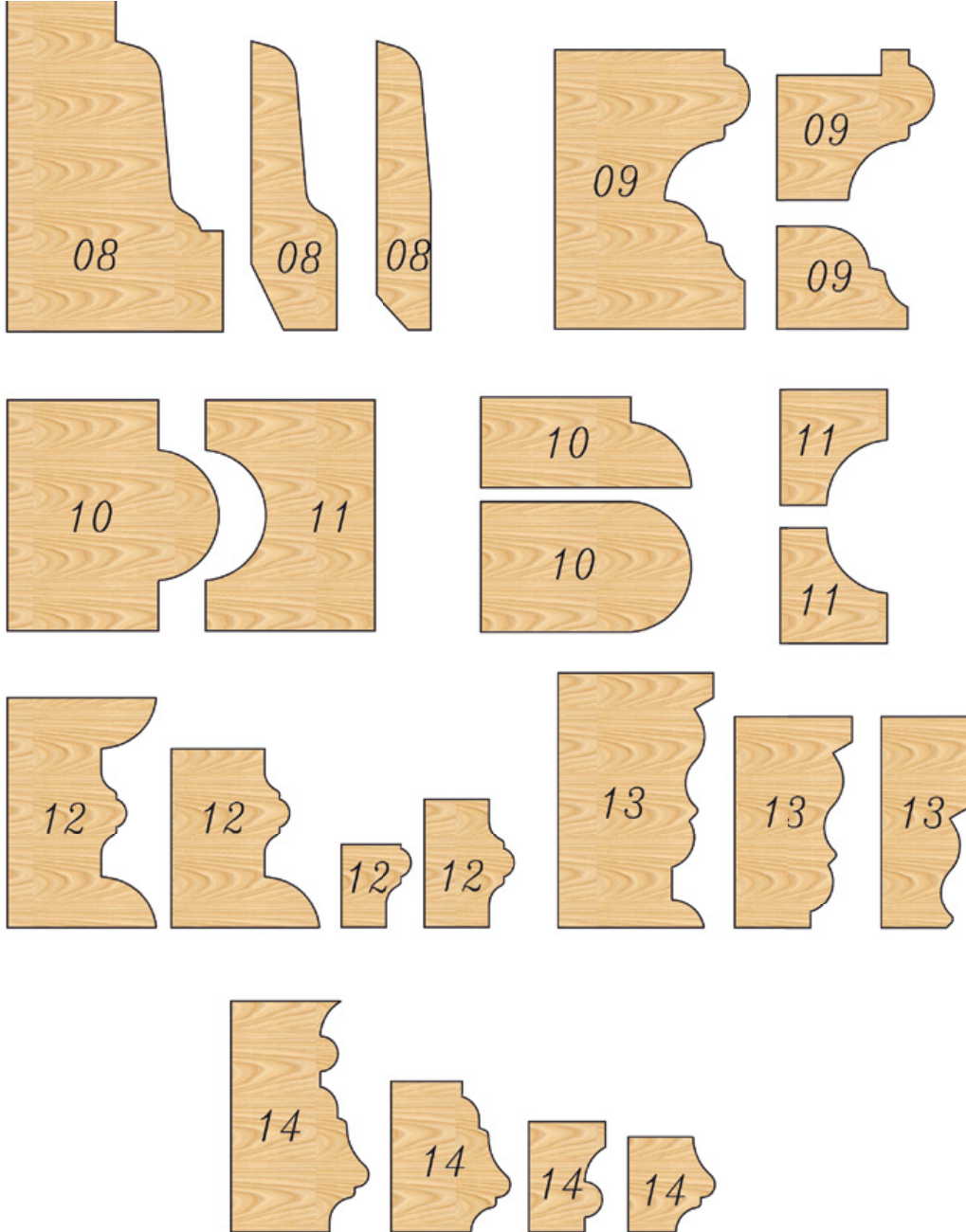


DEĞİŞTİRİLEBİLİR UÇLU BİÇAKLAR  65
CHANGEABLE BLADE ROUTER BIT

J-0757

SS PROFİL BİÇAK SETİ
PROFILE SET (SS)



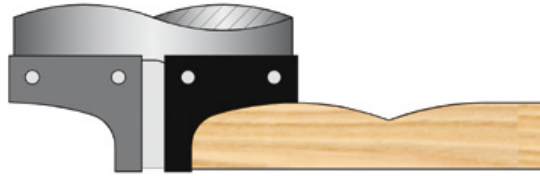


J-Serisi

A PROFİL KAPAK GRUBU PROFILE SET (SS)



j-00025-02



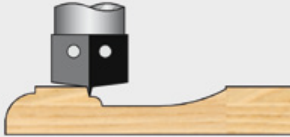
j-00050-01



B PROFİL KAPAK GRUBU SAMPLE DOOR PROFILE



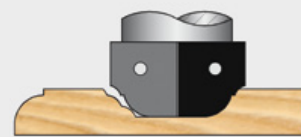
j-00050-02



j-00010-10



j-00015-08

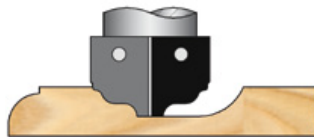


j-00020-04

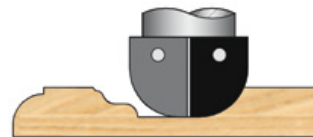
C PROFİL KAPAK GRUBU SAMPLE DOOR PROFILE



j-00050-02



j-00015-02



j-00015-07

D PROFİL KAPAK GRUBU
SAMPLE DOOR PROFILE

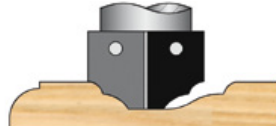
J-Serisi



j-00050-02



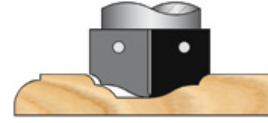
j-00010-11



j-00015-01



j-00015-09

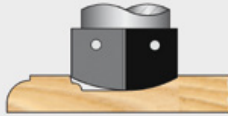


j-00020-03

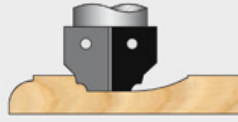
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SAMPLE DOOR PROFILE



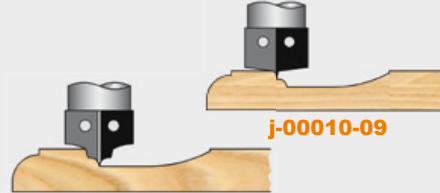
j-00050-02



j-00020-02



j-00015-05



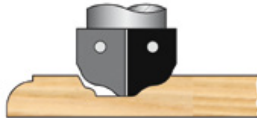
j-00010-09

j-00010-13

F PROFİL KAPAK GRUBU
SAMPLE DOOR PROFILE



j-00050-02



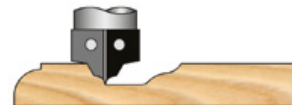
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j-00015-03

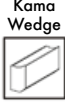


j-00010-12



j-00010-08

DEĞİŞTİRİLEBİLİR JİLETLİ BİÇAKLAR YEDEK PARÇA LİSTESİ
ACCESSORIES FOR CHANGEABLE BLADE ROUTER BIT



453 160 01	b=80x18x15
453 160 02	b=100x18x15
453 160 03	b=120x18x15
453 160 04	b=150x18x15
453 160 05	b=180x18x15
453 160 06	b=220x18x15
453 160 07	b=230x18x15
453 160 08	b=240x18x15
453 160 09	b=190x18x15
453 160 10	b=80x12x8
453 160 11	b=100x12x8
453 160 12	b=120x12x8
453 160 13	b=19x15x8
453 160 14	b=30x12x8
453 160 15	b=50x12x8
453 160 16	b=60x12x8
453 160 17	b=7x10x6
453 160 18	b=13.5x13.5x8
453 160 19	b=28x10x6
453 160 20	b=60x10x6
453 160 21	b=50x10x6
453 160 22	b=30x19x12
453 160 23	b=25x17x12
453 160 24	b=19x16x12
453 160 25	b=12x13x12
453 160 26	b=20x16x12 KÖŞE RADÜSLÜ
453 160 27	b=40x16x12 KÖŞE RADÜSLÜ
453 160 28	b=20x12x8 KÖŞE RADÜSLÜ
453 160 29	b=12x15x12 BAKLAVA
453 160 30	b=17,5x4,5x3

Allen civata
Allen screw



193 148 04K M4X12K
193 148 07K M6X12K
193 148 09K M6X10K
193 148 03K M7X11K

Tork civata
Torz screw



193 165 01 M4X8
193 165 06 M4X6



193 148 02 M4X16



193 165 04 M6X11
193 165 05 M7X17
193 165 08 M5X8
193 165 03 M6X18
193 165 09 M2,5X5X3,5



193 148 01S M6X16
193 148 06S M6X10
193 148 05S M6X12
193 148 10S M6X8



193 148 11 M6X18
193 148 12 M8X27



193 148 08 M5X7.5



193 165 02 M3,5X5

Rulman
Ball Bearing



113 130 01 19X6X 7

Yıldız civata
Screw



193 120 01 M4X10

Tornavida civata
screw



193 172 01 M4X8



193 165 07 M3,5X5,5

İÇİNDEKİLER

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NOTLAR
NOTICE

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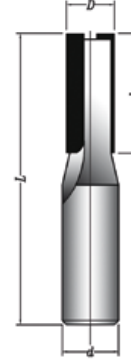
[illegible]

KARBÜR GÖVDELİ DIA PARMAK FREZE BİÇAKLARI
HM BODY SHANK TYPE PCD (DIA) ENDMILLS

D-0101

Ölçüler / Dimensions

Kod / Art No	D	b	L	d	Z
D-0101-01	6	10	70	10	1
D-0101-02	8	15	70	10	2
D-0101-03	9	20	70	10	2
D-0101-04	10	20	70	10	2
D-0101-05	12	25	75	12	2



DIA PARMAK FREZE BİÇAKLARI
PCD (DIA) ENDMILLS



Ölçüler / Dimensions

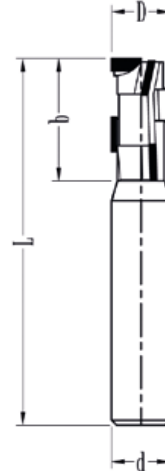
Kod / Art No	D	b	L	d	Z
D-0102-01	12	27	70	12	1+1
D-0102-02	12	35	70	12	1+1
D-0102-03	16	25	95	20	1+1
D-0102-04	16	33	95	20	1+1
D-0102-05	16	42	105	20	1+1
D-0102-06	18	25	95	20	1+1
D-0102-07	18	33	95	20	1+1
D-0102-08	18	42	105	20	1+1
D-0102-09	20	25	95	20	1+1
D-0102-10	20	33	95	20	1+1
D-0102-11	20	42	105	20	1+1

0102

0103

Ölçüler / Dimensions

Kod / Art No	D	b	L	d	Z
D-0103-01	12	27	70	12	2+2
D-0103-02	12	35	70	12	2+2
D-0103-03	16	36	97	20	2+2
D-0103-04	16	45	106	20	2+2
D-0103-05	16	54	115	20	2+2
D-0103-06	18	36	97	20	2+2
D-0103-07	18	45	106	20	2+2
D-0103-08	18	54	115	20	2+2
D-0103-09	20	27	88	20	2+2
D-0103-10	20	36	97	20	2+2
D-0103-11	20	45	106	20	2+2
D-0103-12	20	54	115	20	2+2

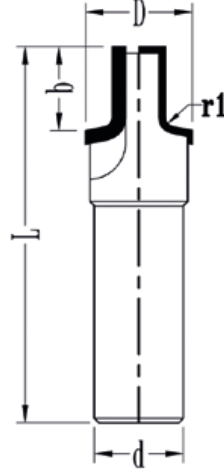


D-0104

DIA RADÜS EBATLAMA PARMAK FREZE BİÇAKLARI
PCD (DIA) RADIUS PROFILE ROUTER BITS

Ölçüler / Dimensions

Kod / Art No	D	b	r1	L	d	Z
D-0104-01	24	19	2	85	20	2
D-0104-02	24	19	3	85	20	2
D-0104-03	24	19	4	85	20	2
D-0104-04	24	19	5	85	20	2
D-0104-05	24	19	2	85	20	3
D-0104-06	24	19	3	85	20	3
D-0104-07	24	19	4	85	20	3
D-0104-08	24	19	5	85	20	3

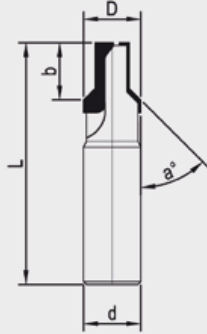


D-0104

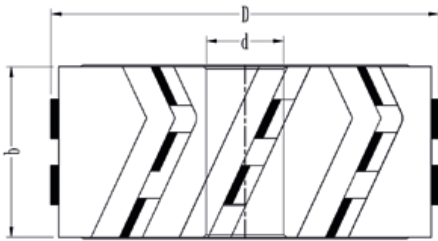
DIA 45° PAHLI EBATLAMA PARMAK FREZE BİÇAKLARI
PCD (DIA) 45° PROFILE BITS

Ölçüler / Dimensions

Kod / Art No	D	b	α°	L	d	Z
D-0105-01	24	21	45	85	20	2



DIA ÖN FREZE TEMİZLEME BİÇAKLARI
PCD (DIA) JOINTING CUTTERS



Ölçüler / Dimensions

Kod / Art No	D	b	d	Z
D-0106-01	70	50	20	2+2
D-0106-02	70	50	20	3+3
D-0106-03	80	45	30	2+2
D-0106-04	80	54	30	2+2
D-0106-05	80	65	30	2+2
D-0106-06	100	45	30	3+3
D-0106-07	100	54	30	3+3
D-0106-08	100	65	30	3+3
D-0106-09	125	45	30	3+3
D-0106-10	125	54	30	3+3
D-0106-11	125	65	30	3+3

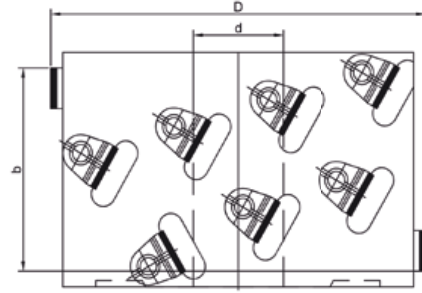
D-0106

DIA TAKMA UÇLU FREZE TEMİZLEME BİÇAKLARI
PCD (DIA) CHANGEABLE JOINTING CUTTERS

D-0106

Ölçüler / Dimensions

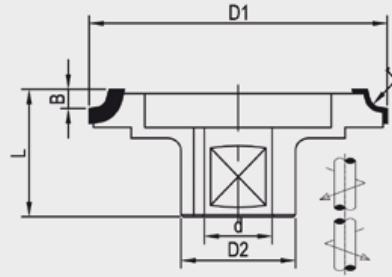
Kod / Art No	D	b	d	Z
DTU-0106-01	70	50	20	3+3/12
DTU-0106-02	80	45	30	3+3/12
DTU-0106-03	80	54	30	3+3/15
DTU-0106-04	80	65	30	3+3/18
DTU-0106-05	100	45	30	3+3/12
DTU-0106-06	100	54	30	3+3/15
DTU-0106-07	100	65	30	3+3/18
DTU-0106-08	125	45	30	3+3/12
DTU-0106-09	125	54	30	3+3/15
DTU-0106-10	125	65	30	3+3/18
DTU-0106-11	125	65	30	3+3/21



DIA PVC BİÇAKLARI
PCD (DIA) EDGE ROUNDING BITS

Ölçüler / Dimensions

Kod / Art No	B	r	d	D1	D2	Z
D-0107-01	4.5	3	16	70,4	27	4
D-0107-02	4.5	2	16	70,4	27	4

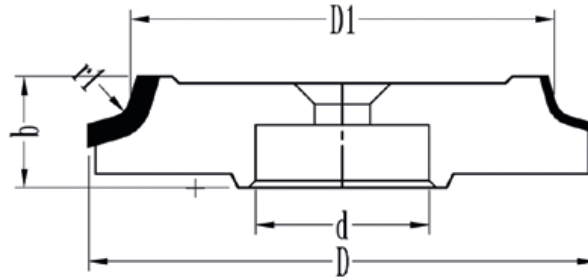


0107

0108

Ölçüler / Dimensions

Kod / Art No	D/D1	b	r1	d	Z
D-0108-01	73/62	23	2	HSK25R	4
D-0108-02	73/62	23	3	HSK25R	4



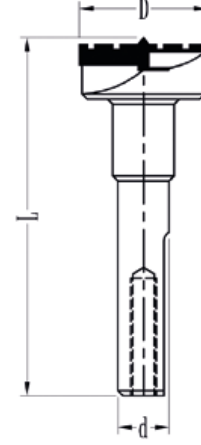
DIA PVC BİÇAKLARI
PCD (DIA) EDGE ROUNDING BITS

D-0109

DIA MENTEŞE MATKAPLARI
PCD (DIA) HINGE BORING BIT

Ölçüler / Dimensions

Kod / Art No	D	L	Z	d	V
D-0109-01	15	70	2	10	2
D-0109-02	20	70	2	10	2
D-0109-03	25	70	2	10	2
D-0109-04	30	70	2	10	2
D-0109-05	35	70	2	10	2



010



PCD (DIA) HOGGERS
PCD (DIA) HOGGERS

Ölçüler / Dimensions

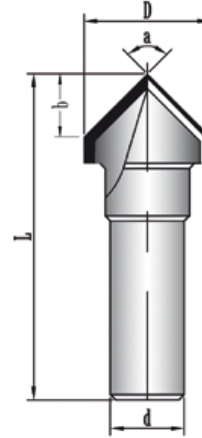
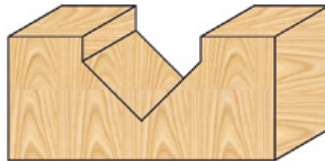
Kod / Art No	D	b	d	Z
D-0110-01	250	15	80	48+6

DIA PROFİL FREZE BİÇAKLARI

PCD (DIA) PROFILE ROUTER CUTTERS

Ölçüler / Dimensions

Kod / Art No	D	b	α°	L	d	Z
D-120-01	12	6	90	70	12	2
D-120-02	24	12	90	70	14	2
D-120-03	38	19	90	85	20	2



0120

 DIA FREZE BİÇAKLARI
PCD (DIA) TOOLS

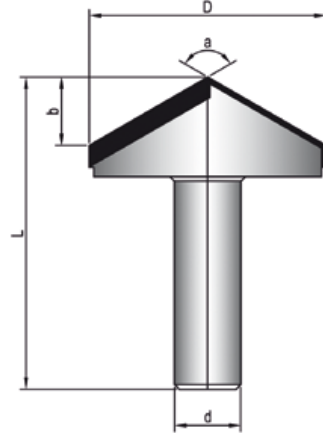
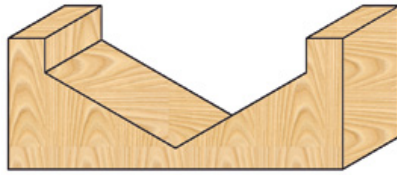
DIA PROFİL FREZE BİÇAKLARI

PCD (DIA) PROFILE ROUTER CUTTERS

D-130

Ölçüler / Dimensions

Kod / Art No	D	b	a	L	d	Z
D-130-01	30	8,7	120	55	14	2
D-130-02	50	14,5	120	70	20	2
D-130-03	70	20,2	120	90	20	2

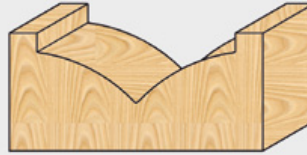
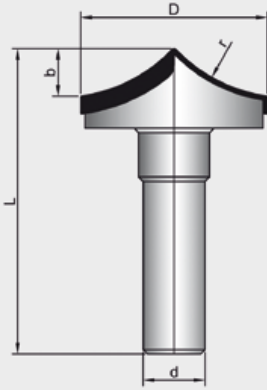


DIA PROFİL FREZE BİÇAKLARI

PCD (DIA) PROFILE ROUTER CUTTERS

Ölçüler / Dimensions

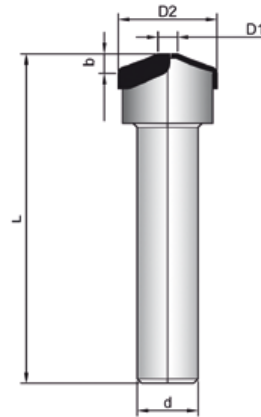
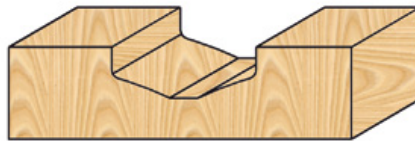
Kod / Art No	D	b	r	L	d	Z
D-140-01	24	7,3	12	70	14	2
D-140-02	42	10,5	34,1	70	14	2



0410

Ölçüler / Dimensions

Kod / Art No	D2	D1	b	L	d	Z
D-150-01	23	4.5	4.5	70	14	2



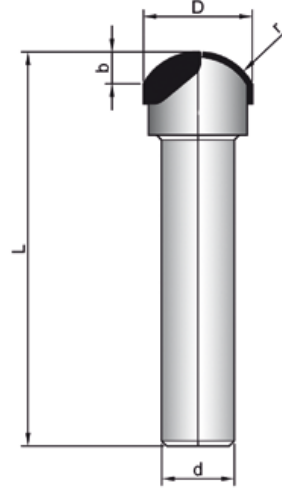
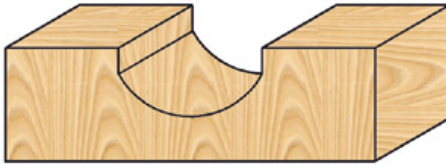
0150

D-160

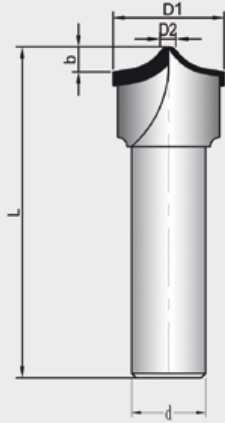
DIA PROFİL FREZE BİÇAKLARI
PCD (DIA) PROFILE ROUTER CUTTERS

Ölçüler / Dimensions

Kod / Art No	D	b	r	L	d	Z
D-160-01	21	6	12	65	14	2
D-160-02	43	9	30	70	20	2



0170



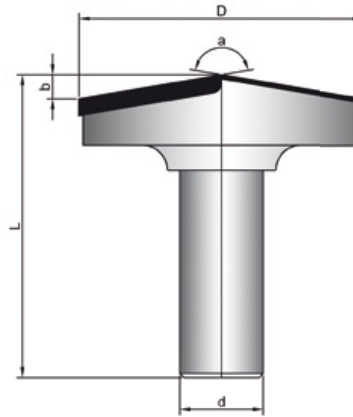
Ölçüler / Dimensions

Kod / Art No	D1	D2	b	L	d	Z
D-170-01	24	3	5.5	70	14	2



Ölçüler / Dimensions

Kod / Art No	D	b	a	L	d	Z
D-180-01	68.5	5.8	161	73	20	2



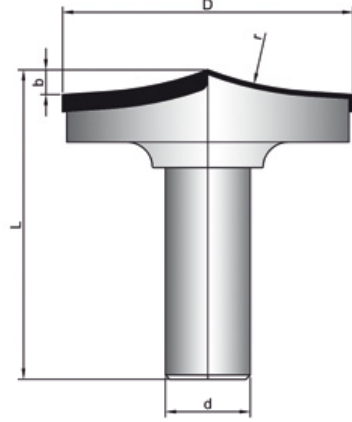
0180

DIA PROFİL FREZE BİÇAKLARI
PCD (DIA) PROFILE ROUTER CUTTERS

D-190

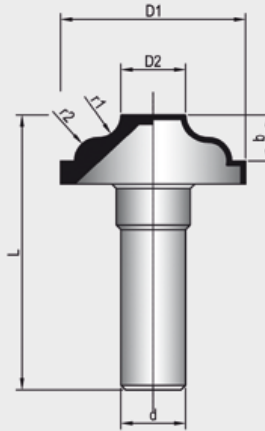
Ölçüler / Dimensions

Kod / Art No	D	b	r1	L	d	Z
D-190-01	68.5	5.85	82	73	20	2



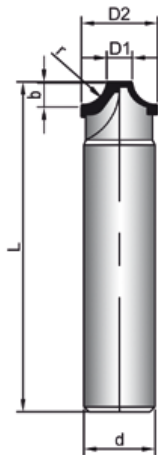
Ölçüler / Dimensions

Kod / Art No	D1	D2	b	r1	r2	L	d	Z
D-200-01	40	14	10	5	5	65	14	2
D-200-02	30	10	13	4	4	60	14	2



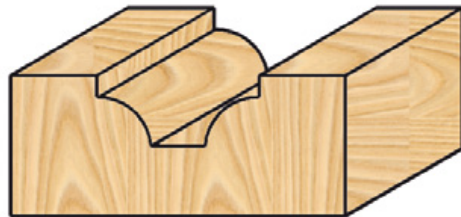
02000

0210



Ölçüler / Dimensions

Kod / Art No	D1	D2	b	r	L	d	Z
D-210-01	5	15	5	5	60	14	2
D-210-02	10	20	5	5	60	14	2

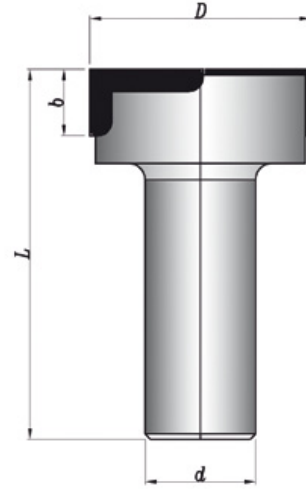


D-220

DIA PROFİL FREZE BİÇAKLARI
PCD (DIA) PROFILE ROUTER CUTTERS

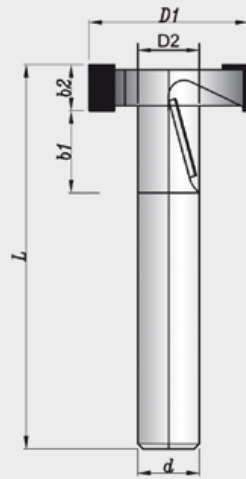
Ölçüler / Dimensions

Kod / Art No	D	b	L	d	Z
D-220-01	20	12	70	20	2
D-220-02	30	12	70	20	2
D-220-03	40	12	70	20	2
D-220-04	50	12	70	20	2



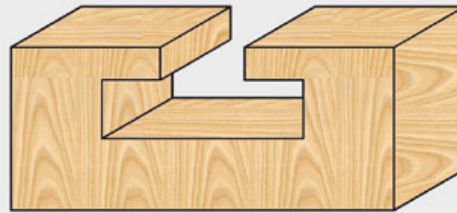
DIA RAF KANALI BİÇAKLARI
PCD (DIA) T-SLOT ROUTER CUTTERS

0230



Ölçüler / Dimensions

Kod / Art No	D1	D2	b1	b2	L	d	Z
D-230-01	28	13.5	9	9	70	12	2
D-230-02	31	13	9	9	70	12	2

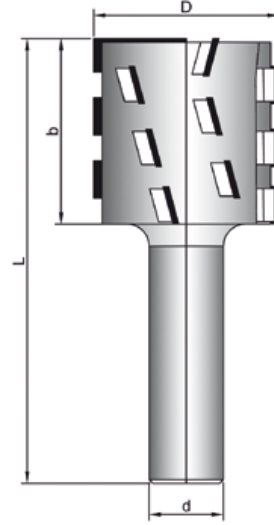


DIA EBATLAMA FREZE BİÇAĞI
PCD (DIA) SIZING CUTTER

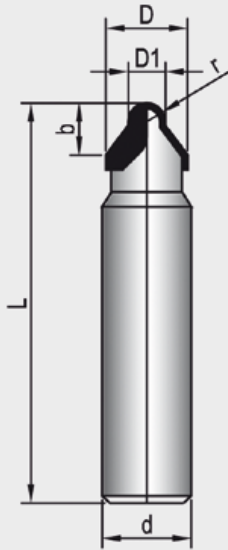
D-240

Ölçüler / Dimensions

Kod / Art No	D	b	L	d	Z
D-240-01	50	50	120	20	3+3



DIA PROFİL FREZE BİÇAKLARI
PCD (DIA) PROFILE ROUTER CUTTERS

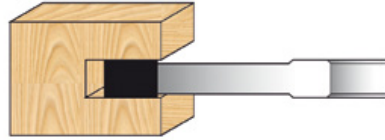
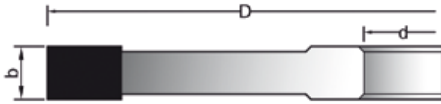


Ölçüler / Dimensions

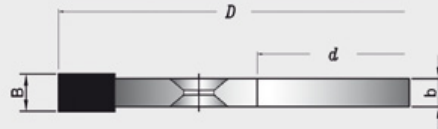
Kod / Art No	D	D1	b	r	L	d	Z
D-250-01	12	5	8	2,5	60	12	2
D-250-02	12	6	8	3	60	12	2
D-250-03	15	8	8,5	4	60	16	2
D-250-04	15	10	9,5	5	60	16	2

0250

Ölçüler / Dimensions									
Kod / Art No	D	b	d	Z	Kod / Art No	D	b	d	Z
DK-1204306	120	4	30	6	DK-15016306	150	16	30	6
DK-1205306	120	5	30	6	DK-15018306	150	18	30	6
DK-1206306	120	6	30	6	DK-15020306	150	20	30	6
DK-1208306	120	8	30	6	DK-18043012	180	4	30	12
DK-12010306	120	10	30	6	DK-18053012	180	5	30	12
DK-15012306	120	12	30	6	DK-18063012	180	6	30	12
DK-1504308	150	4	30	8	DK-18083012	180	8	30	12
DK-1505308	150	5	30	8	DK-180103012	180	10	30	12
DK-1506308	150	6	30	8	DK-180123012	180	12	30	12
DK-1508308	150	8	30	8	DK-20043016	200	4	30	16
DK-15010308	150	10	30	8	DK-200453016	200	4.5	30	16
DK-15012308	150	12	30	8	DK-20053016	200	5	30	16
DK-15043012	150	4	30	12	DK-20063016	200	6	30	16
DK-150453012	150	4.5	30	12	DK-20073016	200	7	30	16
DK-15053012	150	5	30	12	DK-20083016	200	8	30	16
DK-15063012	150	6	30	12	DK-200853016	200	8.5	30	16
DK-15073012	150	7	30	12	DK-20093016	200	9	30	16
DK-15083012	150	8	30	12	DK-200103016	200	10	30	16
DK-150853012	150	8.5	30	12	DK-200123016	200	12	30	16
DK-15093012	150	9	30	12					
DK-150103012	150	10	30	12					
DK-150123012	150	12	30	12					
DK-15014306	150	14	30	6					



Ölçüler / Dimensions						
Kod / Art No	D	b	B	d	PİM	Z
DK-150406512	150	3	4	65	6/6.5/90	12
DK-150506512	150	3	5	65	6/6.5/90	12
DK-150606512	150	4	6	65	6/6.5/90	12
DK-150806512	150	6	8	65	6/6.5/90	12
DK-150856512	150	7	8.5	65	6/6.5/90	12
DK-150906512	150	7	9	65	6/6.5/90	12
DK-150106512	150	8	10	65	6/6.5/90	12



DIA STANDART TESTERELER

PCD (DIA) CIRCULAR SAW BLADES

DIA

Ölçüler / Dimensions

Kod / Art No	D	b	B	d	Z	α°
DT-250323048	250	2,2	3,2	30	48	7
DT-250323060	250	2,2	3,2	30	60	7
DT-300323048	300	2,2	3,2	30	48	7
DT-300323060	300	2,2	3,2	30	60	7
DT-300323072	300	2,2	3,2	30	72	7
DT-300323096	300	2,2	3,2	30	96	7



DIA PANEL EBATLAMA TESTERELERİ

PCD (DIA) PANEL SIZING CIRCULAR SAW BLADES

Ölçüler / Dimensions

Kod / Art No	D	b	B	d	Z	α°
DT-3004460	300	3,2	4,4	*	60	12
DT-3504472	350	3,2	4,4	*	72	12
DT-4004460	400	3,2	4,4	*	60	12
DT-4004472	400	3,2	4,4	*	72	12
DT-4504460	450	3,2	4,4	*	60	12
DT-4504472	450	3,2	4,4	*	72	12
DT-4504860	450	3,2	4,8	*	60	12
DT-4504872	450	3,2	4,8	*	72	12



* Göbek çap ölçüsü, kullanılacak makinenin mil çapına göre ayarlanacaktır.

* The hole diameter will be adjusted according to the diameter of the machine to be used.

DIA ÇİZİCİ TESTERELER

PCD (DIA) SCORING SAW BLADES



Ölçüler / Dimensions

Kod / Art No	D	b	B	d	Z	α°
DT-125292024	125	2,2	2,9- 4,6	*	24	8
DT-125432024	125	2,8	4,3- 5,6	*	24	8
DT-150433030	150	2,8	4,3- 5,6	*	30	8
DT-160435536	160	2,8	4,3- 5,6	*	36	8
DT-200433036	200	2,8	4,3- 5,6	*	36	8
DT-200464536	200	2,8	4,6- 5,8	*	36	8

NOTLAR
NOTICE

.....//.....//.....

[illegible]

İÇİNDEKİLER

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NOTLAR
NOTICE

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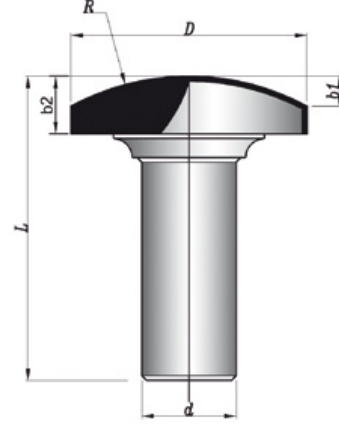
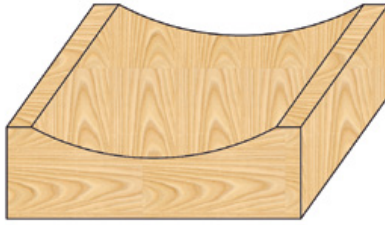
[illegible]

SERT METAL PLAKETLİ PROFİL FREZE BİÇAKLARI
T.C.T PROFILE ROUTER CUTTERS

0100

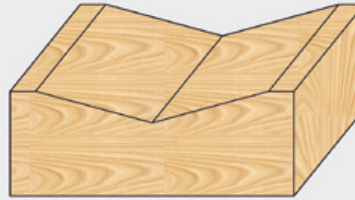
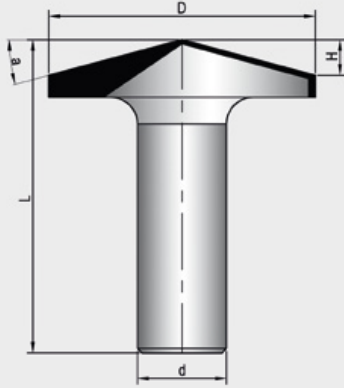
Ölçüler / Dimensions

Kod / Art No	D	b1	b2	L	d	Z	r
0100-01	50	6.7	12	65	20	2	50
0100-02	60	8.9	15	68	20	2	55
0100-03	70	11.2	17	70	20	2	60



Ölçüler / Dimensions

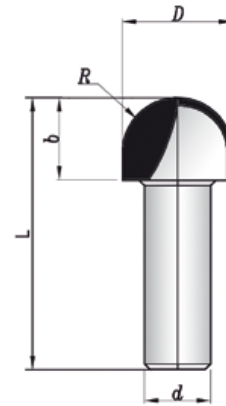
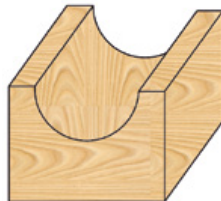
Kod / Art No	D	H	a	d	L	Z
0101-01	60	8	15	20	70	2
0101-02	70	9.4	15	20	75	2
0101-03	80	10.1	15	20	80	2



0101

Ölçüler / Dimensions

Kod / Art No	D	b	L	d	Z	r
0102-01	15	12	50	12-14	2	7.5
0102-02	20	15	50	12-14	2	10
0102-03	25	17	55	12-14	2	12.5
0102-04	30	19	55	12-14	2	15
0102-05	40	24	65	12-14	2	20



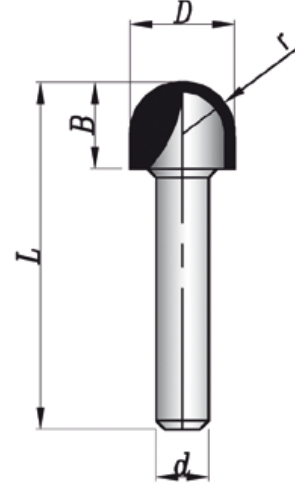
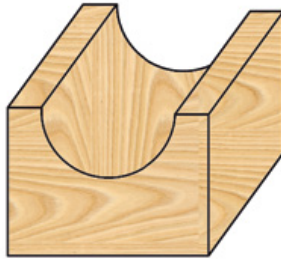
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0103

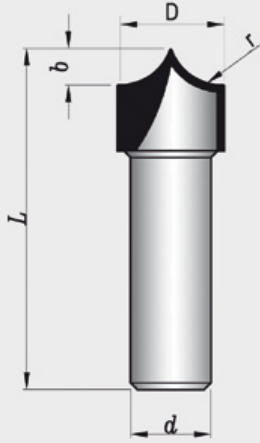
SERT METAL PLAKETLİ PROFİL FREZE BİÇAKLARI
T.C.T. PROFILE ROUTER CUTTERS

Ölçüler / Dimensions

Kod / Art No	D	B	r	L	d	Z
0103-01	12	10	6	40	6	2
0103-02	14	10	7	40	6	2
0103-03	16	10	8	40	6	2



0104



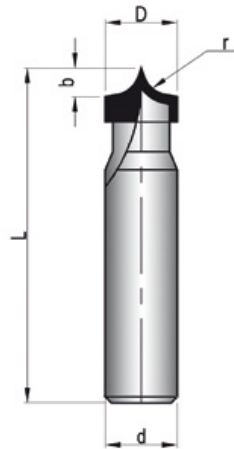
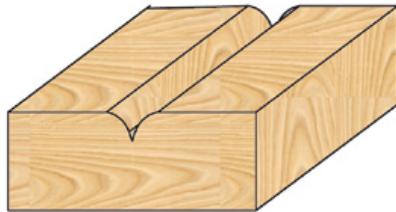
Ölçüler / Dimensions

Kod / Art No	D	d	b	R	L	Z
0104-01	16	12	5.4	8	50	2



Ölçüler / Dimensions

Kod / Art No	D	d	b	R	L	Z
0105-01	12	12	4.8	4.5	56	2



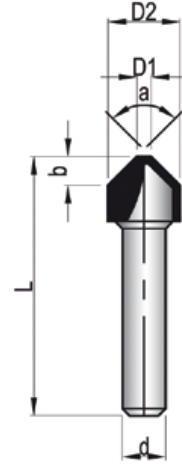
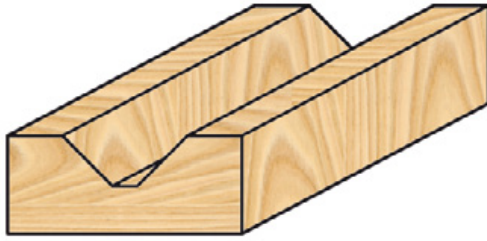
0105

SERT METAL PLAKETLİ PROFİL FREZE BİÇAKLARI
T.C.T PROFILE ROUTER CUTTERS

0106

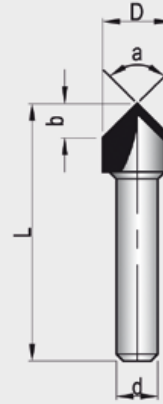
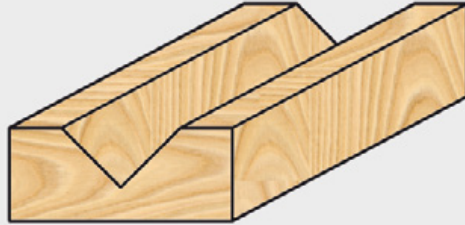
Ölçüler / Dimensions

Kod / Art No	D1	D2	b	a	d	L	Z
0106-01	2	10	4	90	6	36	2



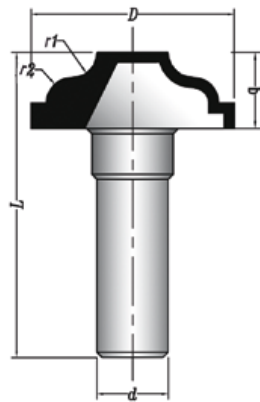
Ölçüler / Dimensions

Kod / Art No	D	d	a	d	L	Z
0107-01	10	5	90	6	37	2



0107

0110



Ölçüler / Dimensions

Kod / Art No	D	b	r1	r2	L	d	Z
0110-01	40	15	5	5	60	14	2
0110-02	30	13	4	4	58	14	2

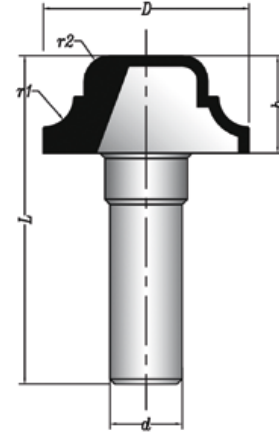
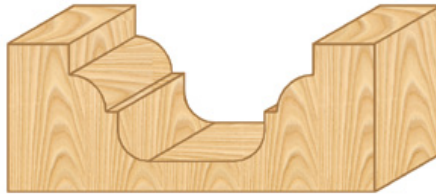


0120

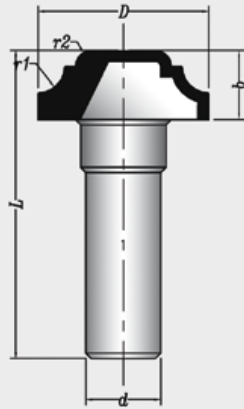
SERT METAL PLAKETLİ PROFİL FREZE BIÇAKLARI T.C.T PROFILE ROUTER CUTTERS

Ölçüler / Dimensions

Kod / Art No	D	b	r1	r2	L	d	Z
0120-01	40	19	6	5	64	14	2
0120-02	30	14	5	4	59	14	2



0130



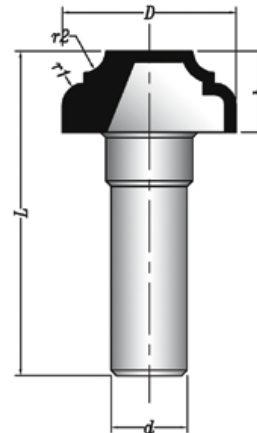
Ölçüler / Dimensions

Kod / Art No	D	b	r1	r2	L	d	Z
0130-01	32	13	5	3	58	14	2
0130-02	25	13	4	4	58	14	2



Ölçüler / Dimensions

Kod / Art No	D	b	r1	r2	L	d	Z
0140-01	32	15	4	4	60	14	2
0140-02	25	13	3	3	58	14	2

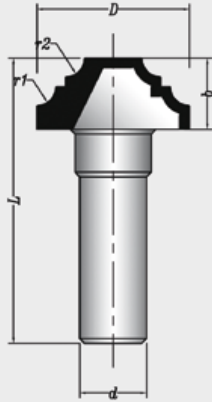
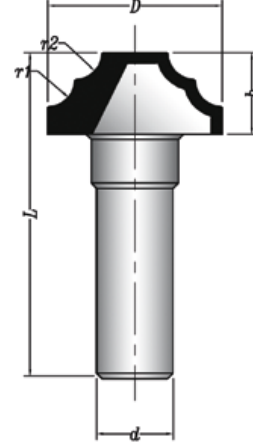


SERT METAL PLAKETLİ PROFİL FREZE BİÇAKLARI
T.C.T. PROFILE ROUTER CUTTERS

0150

Ölçüler / Dimensions

Kod / Art No	D	b	r1	r2	L	d	Z
0150-01	32	15	5	5	60	14	2
0150-02	25	11	3	3	56	14	2



Ölçüler / Dimensions

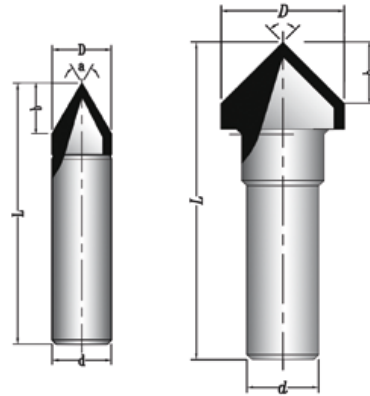
Kod / Art No	D	b	r1	r2	L	d	Z
0160-01	32	15	4	4	60	14	2
0160-02	25	13	3	3	58	14	2



0160

Ölçüler / Dimensions

Kod / Art No	D	b	a	L	d	Z
0165-01	24	12	90	62	14	2
0165-02	14	12	60	62	14	2
0165-03	38	19	90	85	14	2



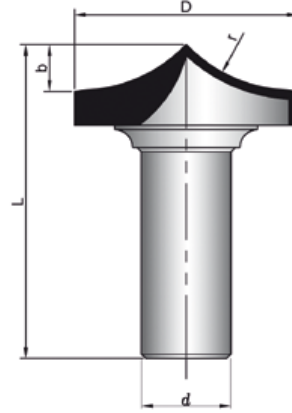
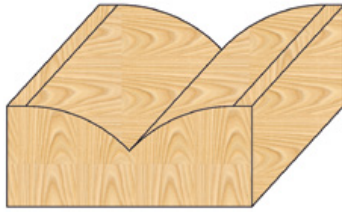
0165

0166

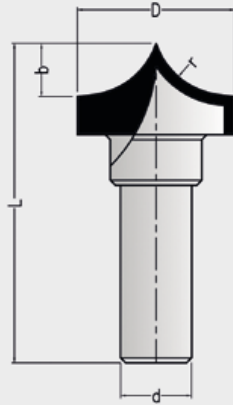
SERT METAL PLAKETLİ PROFİL FREZE BİÇAKLARI T.C.T PROFILE ROUTER CUTTERS

Ölçüler / Dimensions

Kod / Art No	D	b	L	d	Z	R
0166-01	50	10.5	70	20	2	32.5
0166-02	60	10.5	70	20	2	45.5
0166-03	70	10.4	70	20	2	60

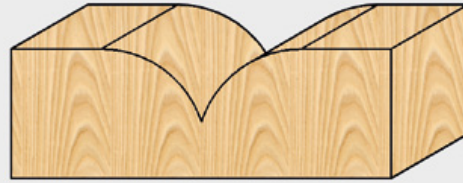


0167



Ölçüler / Dimensions

Kod / Art No	D	b	r	L	d	Z
0167-01	31	10.5	15	63	14	2
0167-02	40	10.5	18	63	14	2

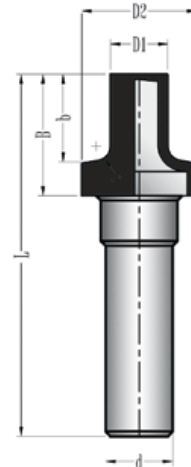


SM. PLAKETLİ KENAR TEMİZLEME KÖŞE KIRMA BİÇAĞI

T.C.T STRAIGHT BIT DOUBLE FLUTED

Ölçüler / Dimensions

Kod / Art No	D1	D2	b	B	L	d	r	Z
0168-01	12	24	18.1	25.5	76	14	2	2
0168-02	12	24	18.1	25.5	76	14	3	2



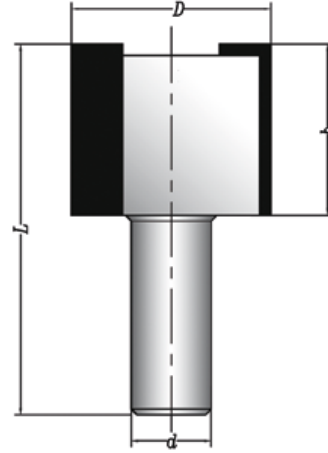
0168

SERT METAL PLAKETLİ PROFİL FREZE BİÇAKLARI
T.C.T PROFILE ROUTER CUTTERS

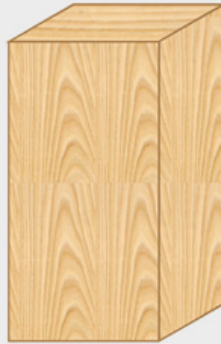
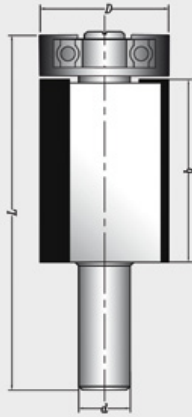
0170

Ölçüler / Dimensions

Kod / Art No	D	b	L	d	Z
0170-01	35	30	65	14	4
0170-02	35	40	75	14	4



0180



SERT METAL PLAKETLİ KENAR TEMİZLEME BİÇAĞI
T.C.T REBATING ROUTER CUTTER

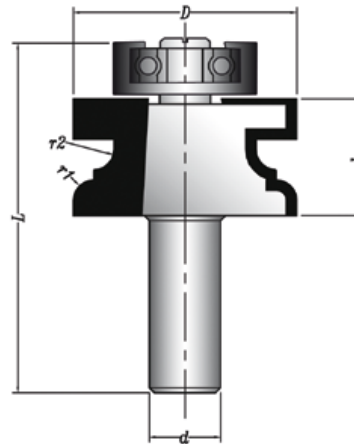
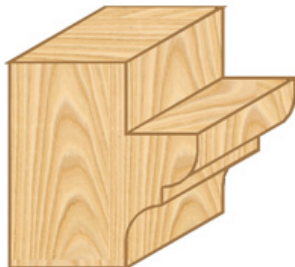
Ölçüler / Dimensions

Kod / Art No	D	b	L	d	Z
0180-01	35	50	97	14	4

SERT METAL PLAKETLİ LAMBALI FREZE BİÇAĞI
T.C.T PROFILE ROUTER CUTTERS

Ölçüler / Dimensions

Kod / Art No	D	b	r1	r2	L	d	Z
0190-01	44	23	4	4	69	14	3



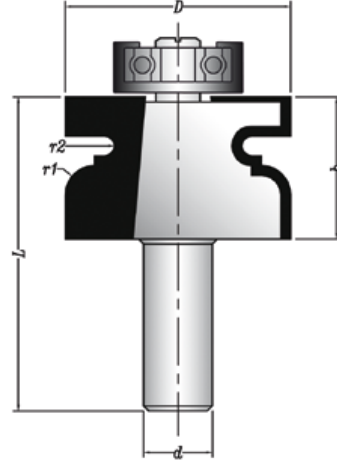
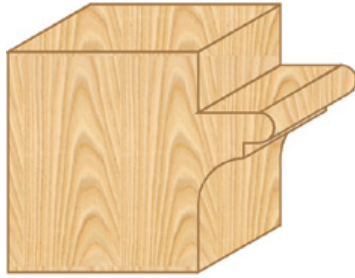
0190

0200

SERT METAL PLAKETLİ LAMBALI FREZE BIÇAĞI T.C.T PROFILE ROUTER CUTTERS

Ölçüler / Dimensions

Kod / Art No	D	b	r1	r2	L	d	Z
0200-01	46	29	6	2	75	14	3

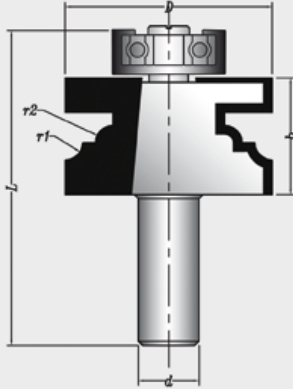


0210

SERT METAL PLAKETLİ LAMBALI FREZE BIÇAĞI T.C.T PROFILE ROUTER CUTTERS

Ölçüler / Dimensions

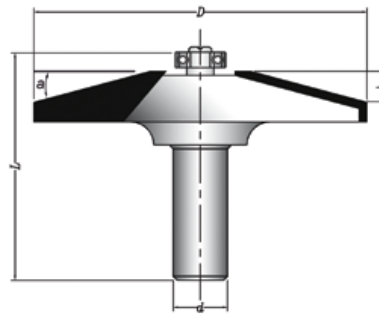
Kod / Art No	D	b	r1	r2	L	d	Z
0210-01	48	27	4	4	73	14	3



SERT METAL PLAKETLİ TABLA FREZE BIÇAĞI T.C.T RAISED PANEL ROUTER CUTTER

Ölçüler / Dimensions

Kod / Art No	D	b	a°	L	d	Z
0220-01	86	8	15	59	14	3



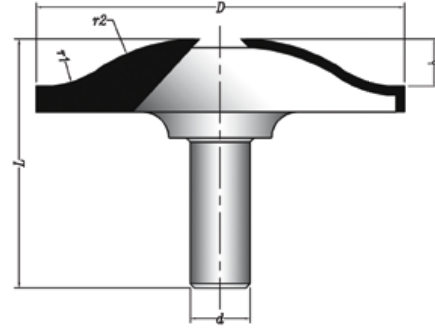
0220

SERT METAL PLAKETLİ TABLA FREZE BİÇAĞI
T.C.T RAISED PANEL ROUTER CUTTER

0230

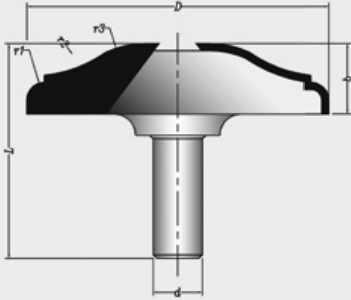
Ölçüler / Dimensions

Kod / Art No	D	b	r1	r2	L	d	Z
0230-01	86	11	24	45	58	14	3



Ölçüler / Dimensions

Kod / Art No	D	b	r1	r2	r3	L	d	Z
0240-01	86	20	5	37	26	61	14	3
0240-02	86	15	5	37	18	56	14	3



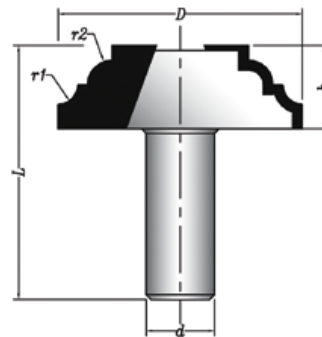
0240

0250

SERT METAL PLAKETLİ EĞRİ ÇITA FREZE BİÇAĞI
T.C.T PROFILE ROUTER CUTTERS

Ölçüler / Dimensions

Kod / Art No	D	b	r1	r2	L	d	Z
0250-01	50	17	4	5	52	14	3

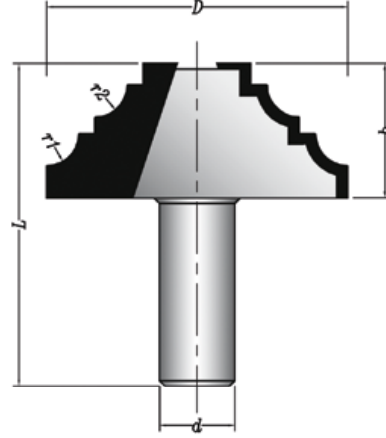


0260

SERT METAL PLAKETLİ PROFİL FREZE BİÇAĞI
T.C.T PROFILE ROUTER CUTTERS

Ölçüler / Dimensions

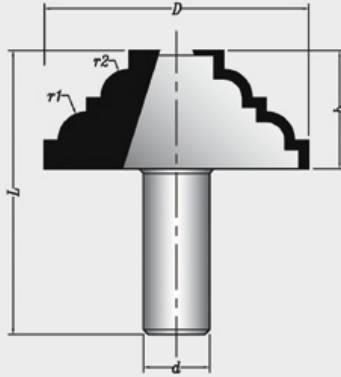
Kod / Art No	D	b	r1	r2	L	d	Z
0260-01	56	25	6	6	60	14	3



0270

Ölçüler / Dimensions

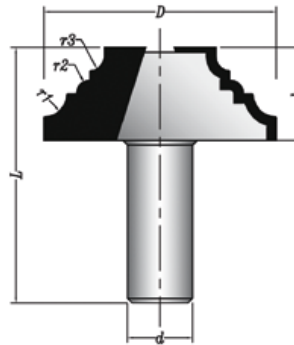
Kod / Art No	D	b	r1	r2	L	d	Z
0270-01	56	25	6	6	60	14	3



SERT METAL PLAKETLİ EĞRİ ÇITA PROFİL FREZE BİÇAĞI
T.C.T PROFILE ROUTER CUTTERS

Ölçüler / Dimensions

Kod / Art No	D	b	r1	r2	r3	L	d	Z
0280-01	50	20	5	3	3	55	14	3



0280

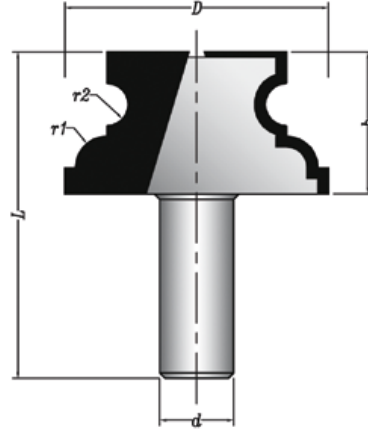
SERT METAL PLAKETLİ PROFİL FREZE BİÇAĞI

T.C.T PROFILE ROUTER CUTTERS

0290

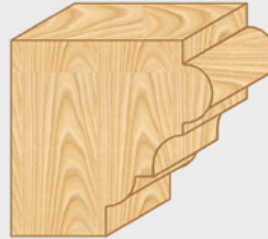
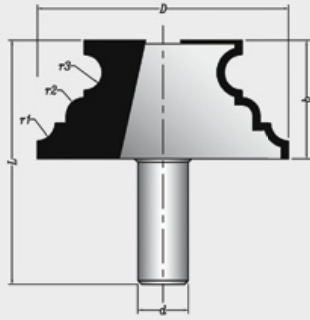
Ölçüler / Dimensions

Kod / Art No	D	b	r1	r2	L	d	Z
0290-01	50	27	6	4	62	14	3



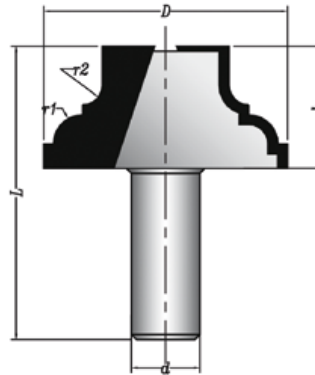
Ölçüler / Dimensions

Kod / Art No	D	b	r1	r2	r3	L	d	Z
0300-01	70	33	5	5	5	68	14	3



Ölçüler / Dimensions

Kod / Art No	D	b	r1	r2	L	d	Z
0310-01	50	25	6	4	60	14	3

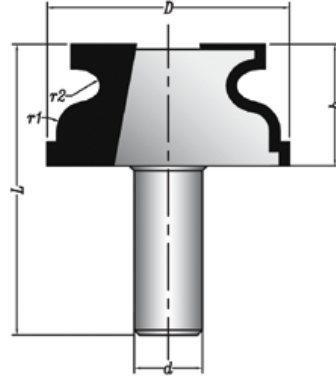
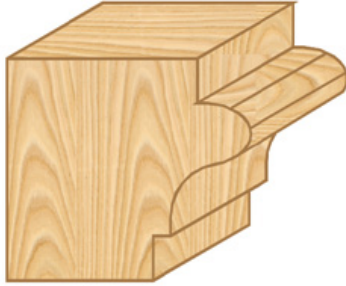


0320

SERT METAL PLAKETLİ PROFİL FREZE BIÇAĞI T.C.T PROFILE ROUTER CUTTERS

Ölçüler / Dimensions

Kod / Art No	D	b	r1	r2	L	d	Z
0320-01	50	25	6	2,5	60	14	3

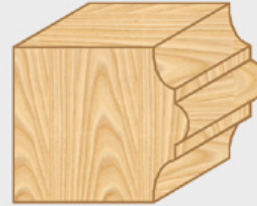
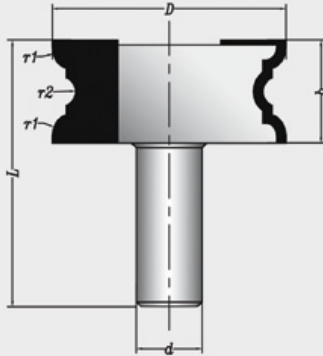


0320

SERT METAL PLAKETLİ DÜZ ÇITA PROFİL BIÇAĞI T.C.T PROFILE ROUTER CUTTERS

Ölçüler / Dimensions

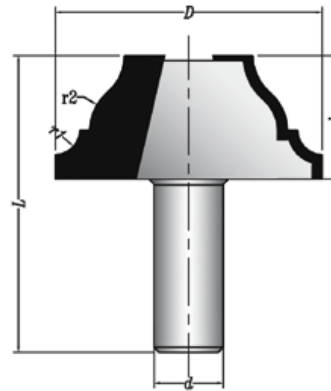
Kod / Art No	D	b	r1	r2	L	d	Z
0330-01	50	22	5,25	3,25	57	14	3



SERT METAL PLAKETLİ PROFİL FREZE BIÇAĞI T.C.T PROFILE ROUTER CUTTERS

Ölçüler / Dimensions

Kod / Art No	D	b	r1	r2	L	d	Z
0340-01	54	25	5	10	60	14	3



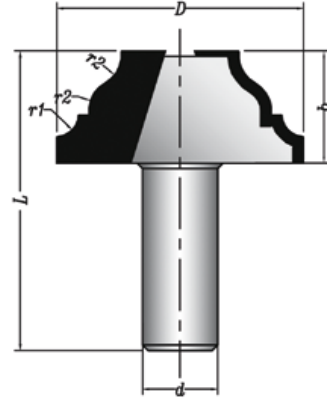
0340

SERT METAL PLAKETLİ PROFİL FREZE BİÇAĞI
T.C.T PROFILE ROUTER CUTTERS

0350

Ölçüler / Dimensions

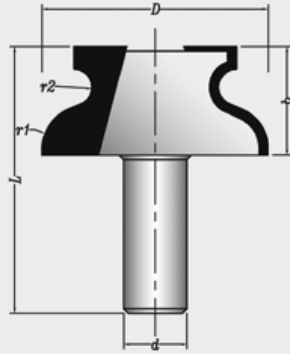
Kod / Art No	D	b	r1	r2	L	d	Z
0350-01	46	21	4	6	56	14	3



0360
0330
0370

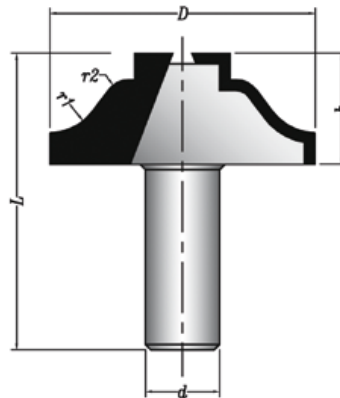
Ölçüler / Dimensions

Kod / Art No	D	b	r1	r2	L	d	Z
0360-01	50	24	9,5	4	59	14	3



Ölçüler / Dimensions

Kod / Art No	D	b	r1	r2	L	d	Z
0370-01	50	21	10	5	56	14	3



0370
0330
0360

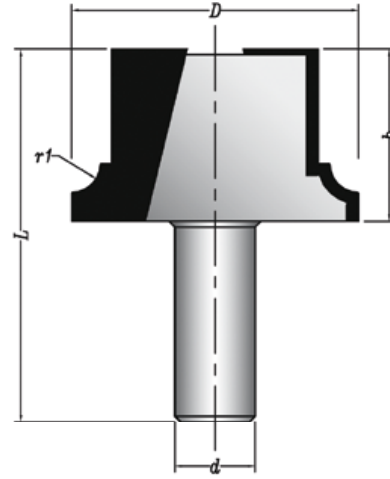
0380

SERT METAL PLAKETLİ PROFİL FREZE BIÇAĞI
T.C.T PROFILE ROUTER CUTTERS

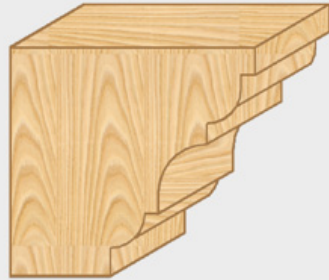


Ölçüler / Dimensions

Kod / Art No	D	b	r1	L	d	Z
0380-01	50	30	5	65	14	3

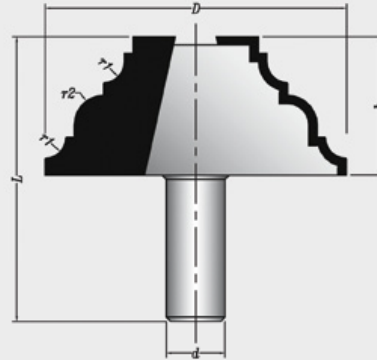


0390



Ölçüler / Dimensions

Kod / Art No	D	b	r1	r2	r3	L	d	Z
0390-01	72	33	5	7	5	68	14	3

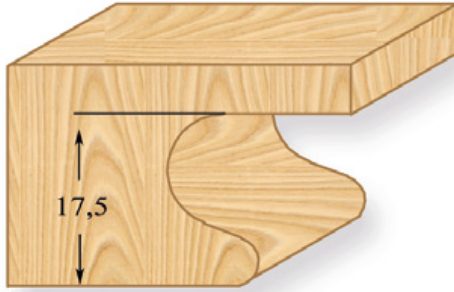


SERT METAL PLAKETLİ KULP BİÇAKLARI
T.C.T FINGER GRIP ROUTER CUTTERS

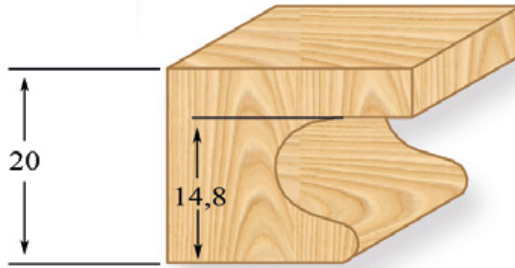
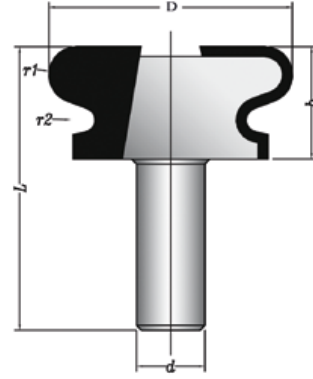
0400

Ölçüler / Dimensions

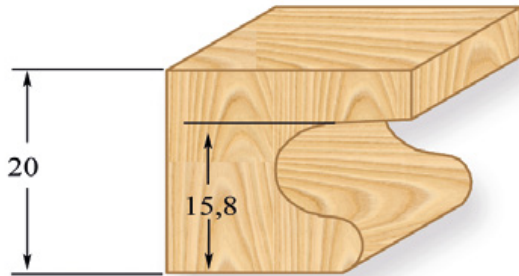
Kod / Art No	D	b	r1	r2	L	d	Z
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0400-02	44	20	5,1	2	55	14	3
0400-03	50	20	4,5	2,9	55	14	3



0400-01



0400-02



0400-03

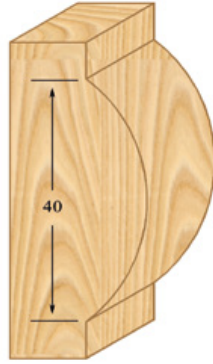
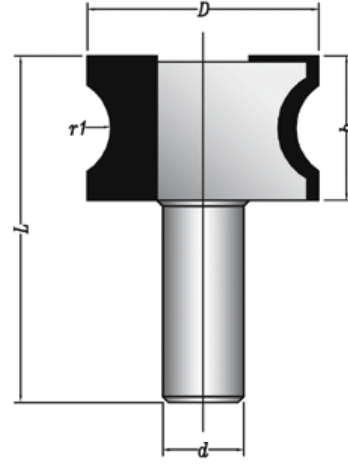
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SERT METAL PLAKETLİ BALIK SIRTI KENAR YUVARLAMA BIÇAKLARI

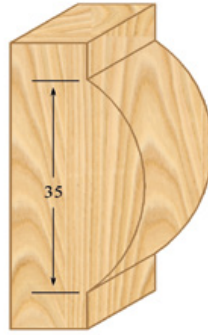
T.C.T BULLNOSE ROUTER CUTTERS

Ölçüler / Dimensions

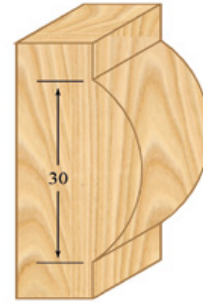
Kod / Art No	D	b	r1	L	d	Z
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0410-02	42	32	11	67	14	3
0410-03	44	37	15	72	14	3
0410-04	46	42	18	77	14	3
0410-05	48	47	21	82	14	3
0410-06	50	52	25	87	14	3



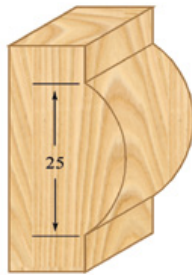
0410-06



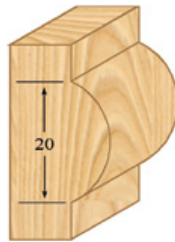
0410-05



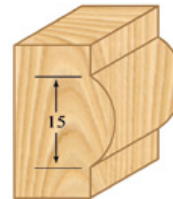
0410-04



0410-03



0410-02



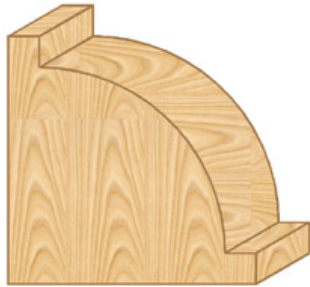
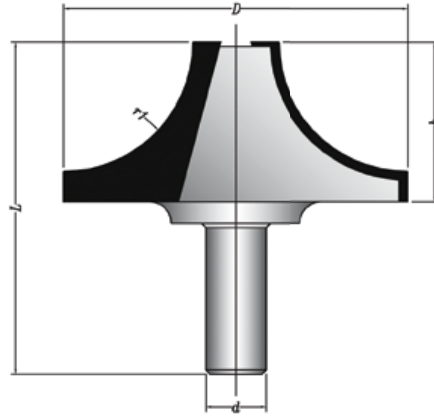
0410-01

SERT METAL PLAKETLİ 1/4 KENAR YUVARLAMA BİÇAKLARI
T.C.T 1/4 RADIUS PROFILE CUTTERS

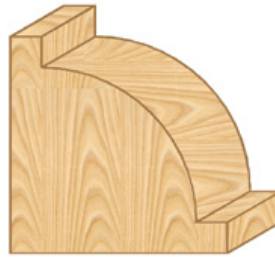
0420

Ölçüler / Dimensions

Kod / Art No	D	b	r1	L	d	Z
0420-01	30	12	5	47	14	3
0420-02	32	13	6	48	14	3
0420-03	36	15	8	50	14	3
0420-04	40	17	10	52	14	3
0420-05	50	22	15	57	14	3
0420-06	60	27	20	62	14	3
0420-07	70	32	25	67	14	3
0420-08	80	37	30	77	14	3



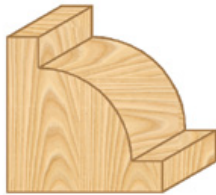
0420-08



0420-07



0420-06



0420-05



0420-04



0420-03



0420-02



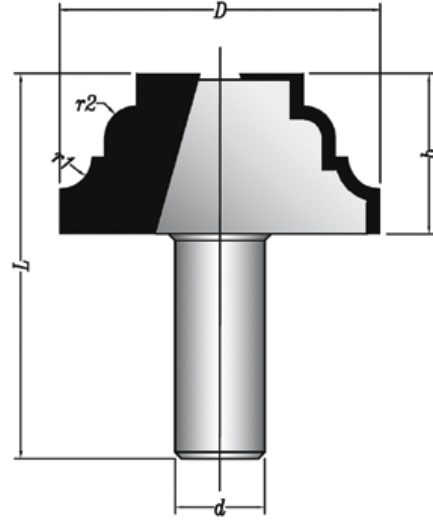
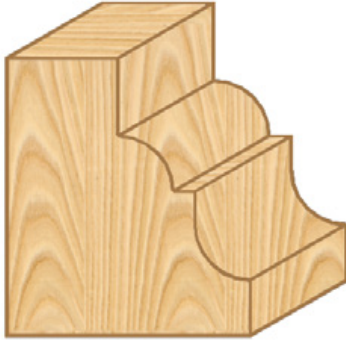
0420-01

0425

SERT METAL PLAKETLİ PROFİL FREZE BİÇAĞI
T.C.T PROFILE ROUTER CUTTERS

Ölçüler / Dimensions

Kod / Art No	D	b	r1	r2	L	d	Z
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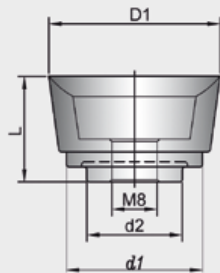


HSS KOPYA MAKİNASI BİÇAĞI (FİNCAN BİÇAK)
TOOLS FOR COPYING LATHES

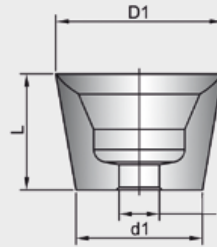
Ölçüler / Dimensions

Kod / Art No	D	d1	d2	L
0427-01	27	8	13.2	20
0427-02	33	25	-	23

0427



0427-01



0427-02

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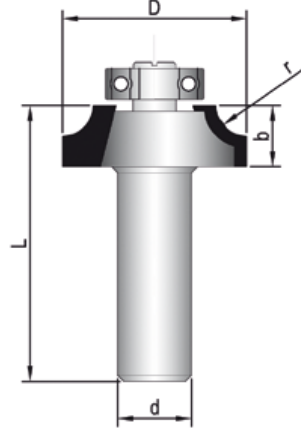
0430

SERT METAL PLAKETLİ EL FREZE PROFİL BİÇAKLARI
T.C.T PROFILE ROUTER CUTTERS WITH BALL BEARING



Ölçüler / Dimensions

Kod / Art No	D	b	r1	L	d	Z
0430-01	30	10	5	51	12	2

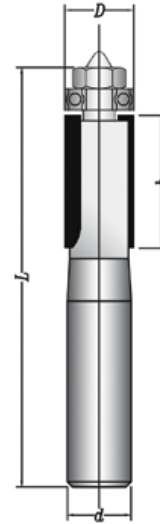


0430-01



Ölçüler / Dimensions

Kod / Art No	D	b	r1	L	d	Z
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0430-04B	13	30	-	87	12	2
0430-04C	13	40	-	97	12	2
0430-04D	13	50	-	107	12	2

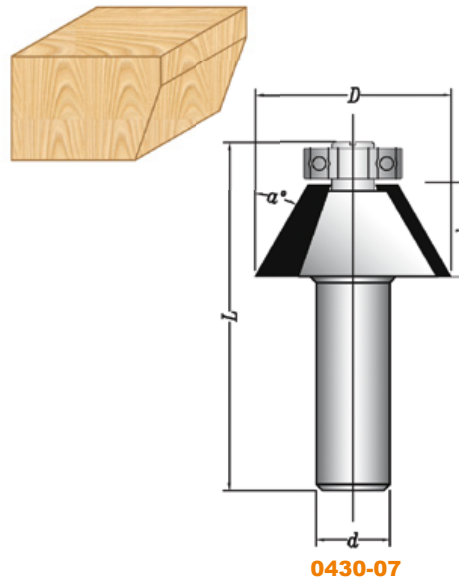
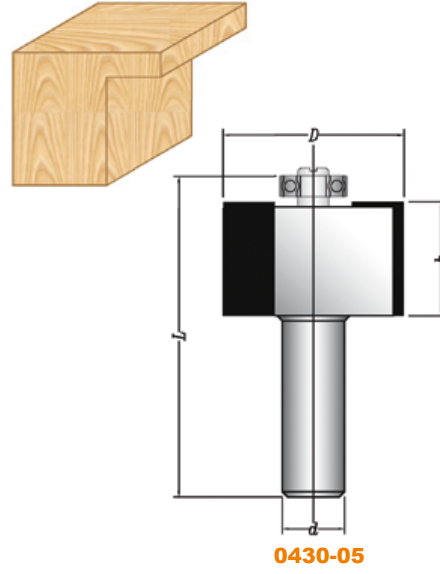
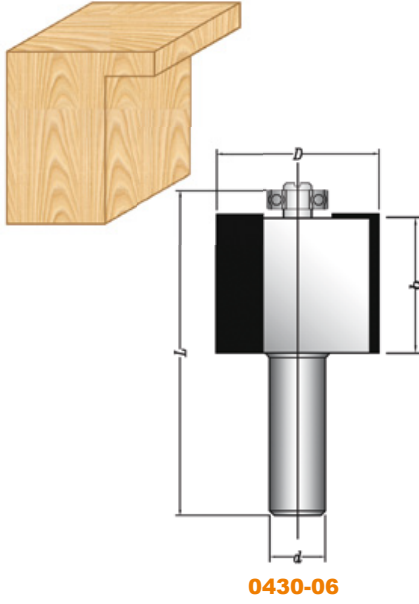


0430-04

SERT METAL PLAKETLİ EL FREZE PROFİL BİÇAKLARI
T.C.T PROFILE ROUTER CUTTERS WITH BALL BEARING

0430

Ölçüler / Dimensions						
Kod / Art No	D	b	a	L	d	Z
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0430-06	35	30	-	71	12	3
0430-07	32	15	30	57	12	2

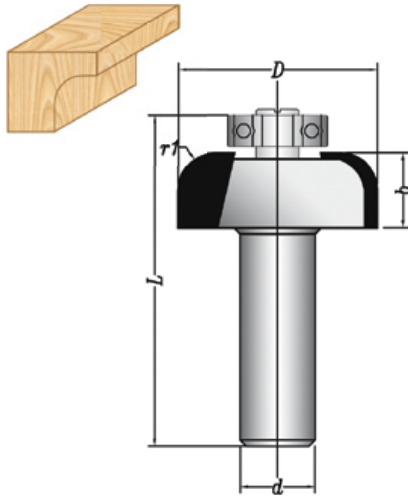


0430

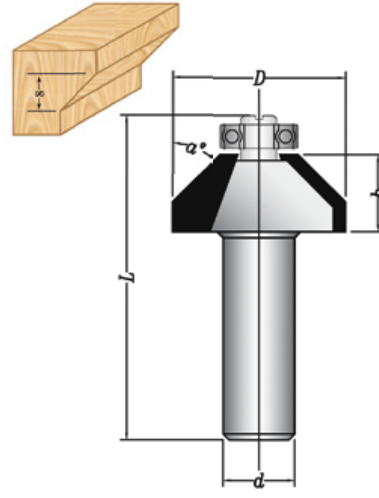
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T.C.T PROFILE ROUTER CUTTERS WITH BALL BEARING

Ölçüler / Dimensions

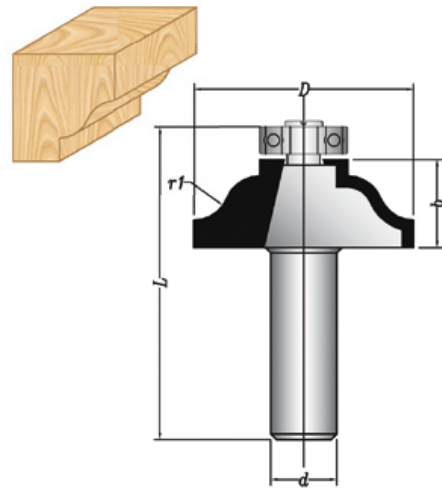
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0430-09	32	12	6	-	53	12	2
0430-10	40	16	6,5	-	57	12	2



0430-09



0430-08



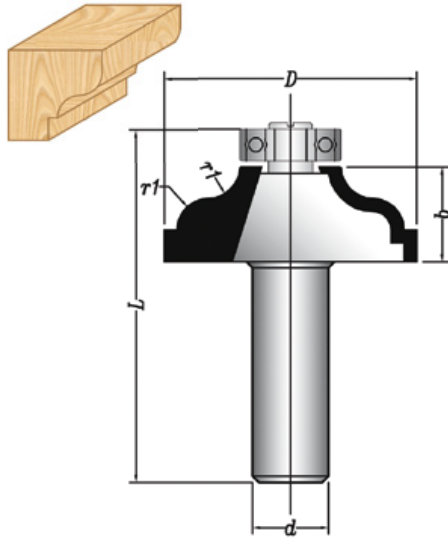
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T.C.T PROFILE ROUTER CUTTERS WITH BALL BEARING

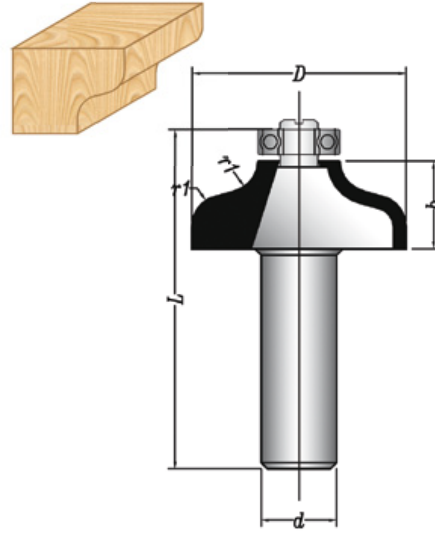
0430

Ölçüler / Dimensions

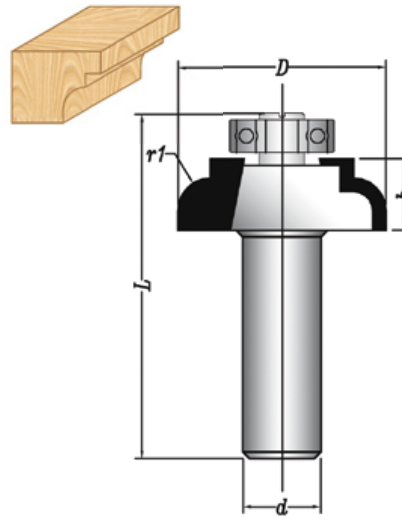
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0430-12	40	15	5	56	12	2
0430-13	32	11	5	52	12	2



0430-12



0430-11



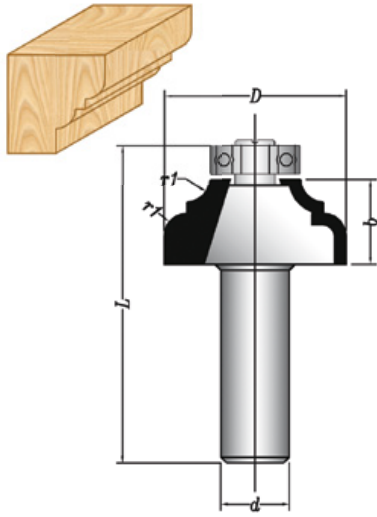
0430-13

0430

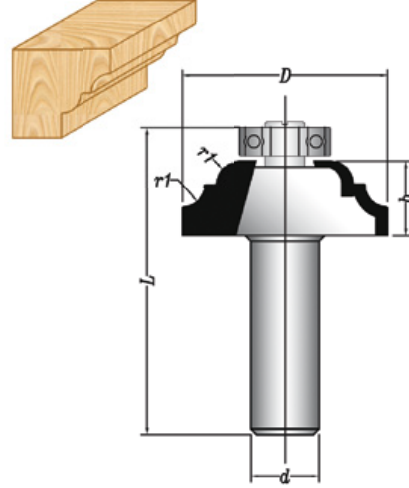
SERT METAL PLAKETLİ EL FREZE PROFİL BİÇAKLARI
T.C.T PROFILE ROUTER CUTTERS WITH BALL BEARING

Ölçüler / Dimensions

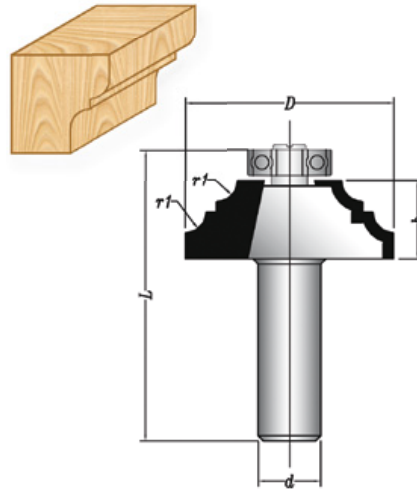
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0430-16	40	15	4	56	12	2



0430-15



0430-14



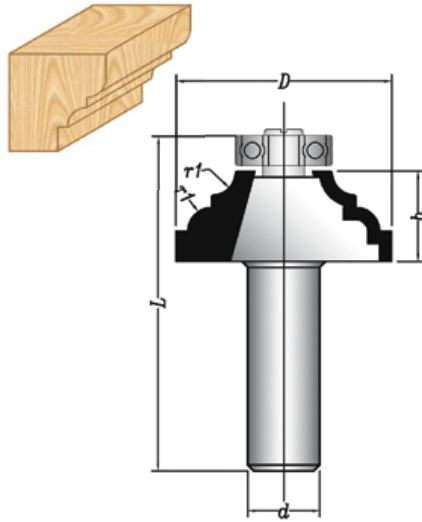
0430-16

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T.C.T PROFILE ROUTER CUTTERS WITH BALL BEARING

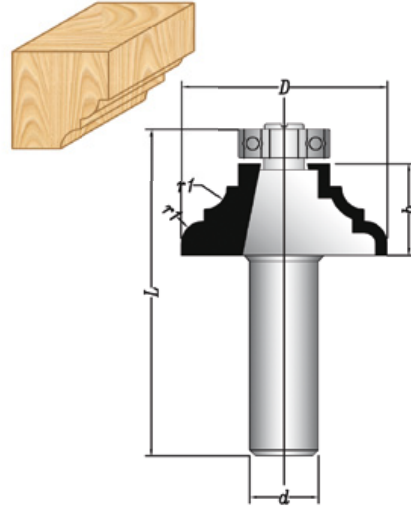
0430

Ölçüler / Dimensions

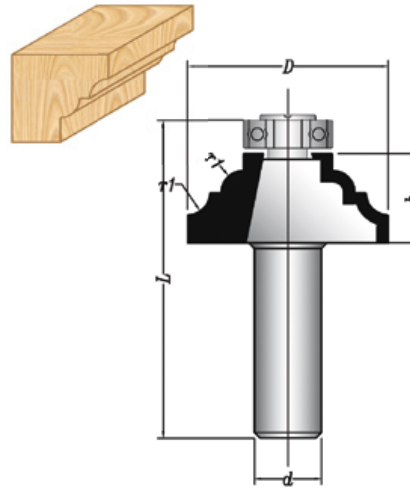
Kod / Art No	D	b	r1	L	d	Z
0430-17	36	16	4	57	12	2
0430-18	36	15	4	56	12	2
0430-19	36	16	4	57	12	2



0430-18



0430-17



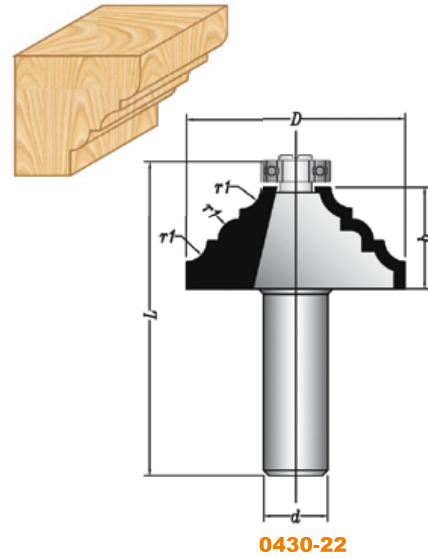
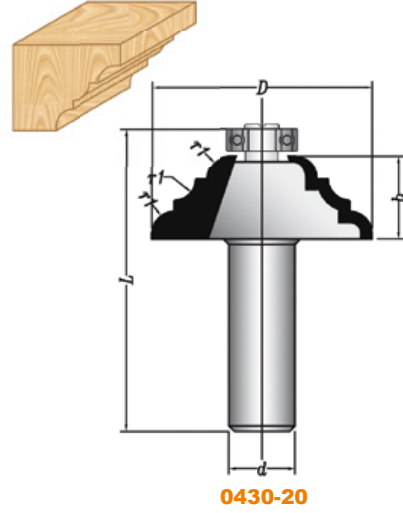
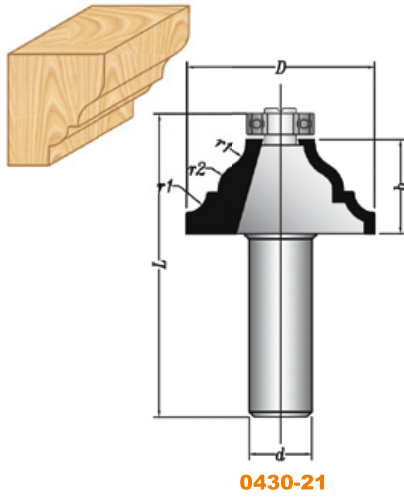
0430-19

0430

SERT METAL PLAKETLİ EL FREZE PROFİL BİÇAKLARI
T.C.T PROFILE ROUTER CUTTERS WITH BALL BEARING

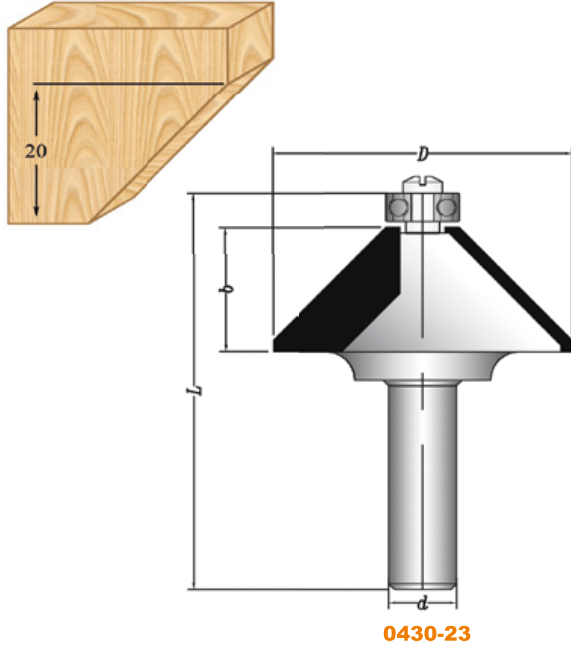
Ölçüler / Dimensions

Kod / Art No	D	b	r1	r2	L	d	Z
0430-20	40	15	4	4	55	12	2
0430-21	36	18	4	5	58	12	2
0430-22	41	19	4	4	59	12	2

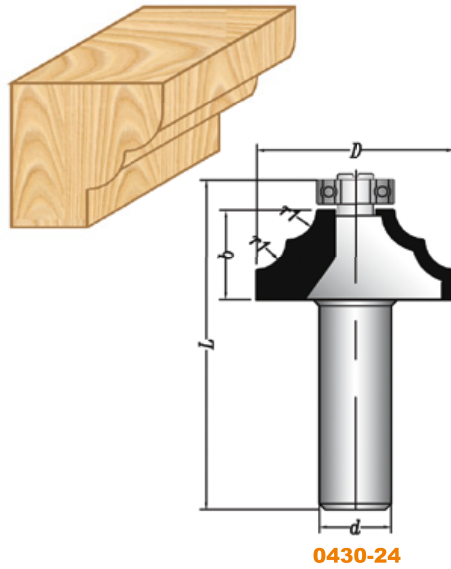


SERT METAL PLAKETLİ EL FREZE PROFİL BİÇAKLARI
T.C.T PROFILE ROUTER CUTTERS WITH BALL BEARING

0430



Ölçüler / Dimensions							
Kod / Art No	D	b	r1	α°	L	d	Z
0430-23	53	22		45°	70	12	2
0430-24	33	15	5		55	12	2

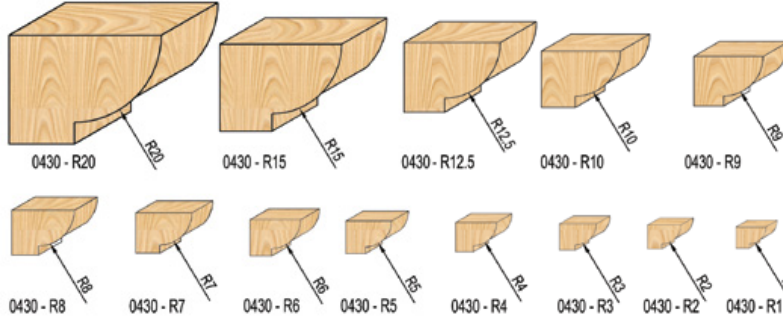
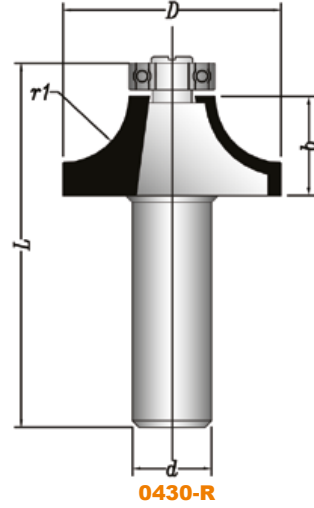


0430-R

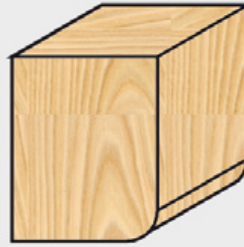
SERT METAL PLAKETLİ EL FREZE PROFİL BİÇAKLARI
T.C.T. PROFILE ROUTER CUTTERS WITH BALL BEARING

Ölçüler / Dimensions

Kod / Art No	D	b	r1	L	d	Z
0430-R1	17	7	1	47	6-8-12	2
0430-R2	19	10	2	50	6-8-12	2
0430-R3	21	10	3	50	6-8-12	2
0430-R4	21	10	4	50	6-8-12	2
0430-R5	23	10	5	50	6-12	2
0430-R6	25	11	6	51	6-12	2
0430-R7	27	12	7	52	6-12	2
0430-R8	29	13	8	53	12	2
0430-R9	31	14	9	54	12	2
0430-R10	33	15	10	55	12	2
0430-R12.5	38	17.5	12.5	57.5	12	2
0430-R15	43	20	15	60	12	2
0430-R17.5	48	22.5	17.5	66	12	2
0430-R20	53	25	20	65	12	2

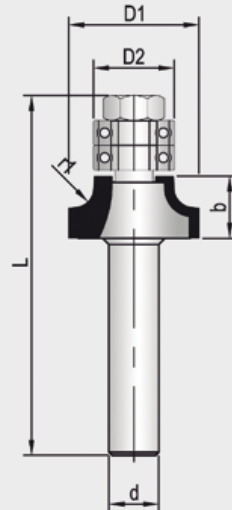


0430



Ölçüler / Dimensions

Kod / Art No	D1	D2	b	r1	L	d	Z
0430-R1Ç	17	13	10	1	58	6-8-12	2
0430-R2Ç	19	13	10	2	58	6-8-12	2
0430-R3Ç	21	13	10	3	58	6-8-12	2



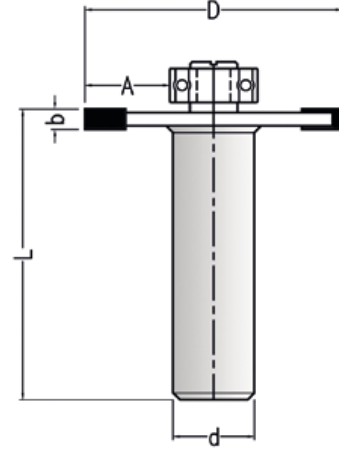
 **SM. EL FREZE PROFİL FREZE BİÇAKLARI**
T.C.T. PROFILE ROUTER CUTTERS WITH BALL BEARING

SERT METAL PLAKETLİ BİLYALI KANAL BİÇAĞI
T.C.T GROOVING CUTTER WITH BALL BEARING

0430

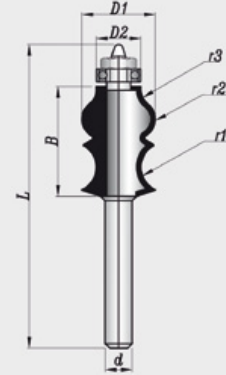
Ölçüler / Dimensions

Kod / Art No	D	b	A	L	d	Z
430-30-01	38	3	12	43	12	4
430-30-02	38	4	12	44	12	4
430-30-03	38	5	12	45	12	4
430-30-04	38	6	12	46	12	4



0430-30

SERT METAL PLAKETLİ EL FREZE PROFİL BİÇAKLARI
T.C.T PROFILE ROUTER CUTTERS WITH BALL BEARING

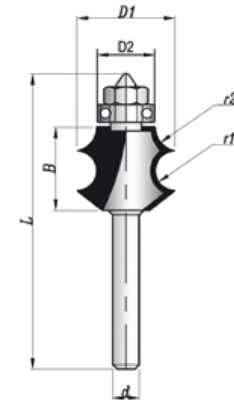


0430-31

Ölçüler / Dimensions

Kod / Art No	D1	D2	R1	R2	R3	B	L	d	Z
0430-31	16.4	10	5.7	4.5	4	25	69	6	2

SERT METAL PLAKETLİ EL FREZE PROFİL BİÇAKLARI
T.C.T PROFILE ROUTER CUTTERS WITH BALL BEARING



0430-32

Ölçüler / Dimensions

Kod / Art No	D1	D2	B	R1	R2	L	d	Z
0430-32	22.1	13	19	4.5	5.4	67	6	2

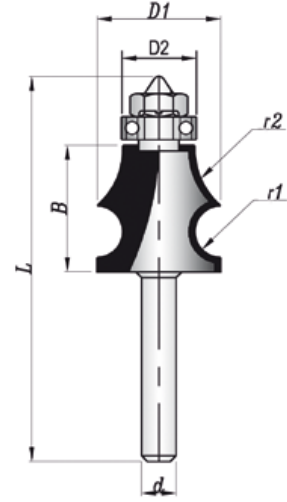
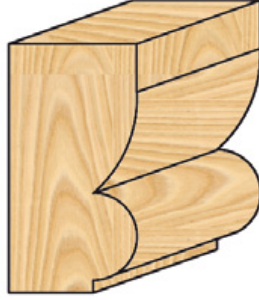
SM. EL FREZE PROFİL BİÇAKLARI

T.C.T. PROFILE ROUTER CUTTERS WITH BALL BEARING



0430

SERT METAL PLAKETLİ EL FREZE PROFİL BİÇAKLARI
T.C.T PROFILE ROUTER CUTTERS WITH BALL BEARING

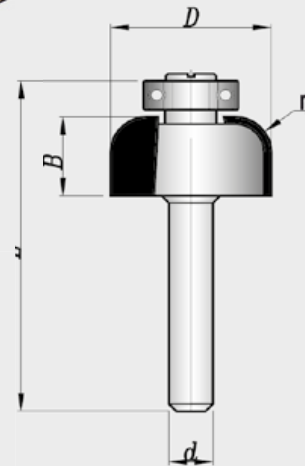
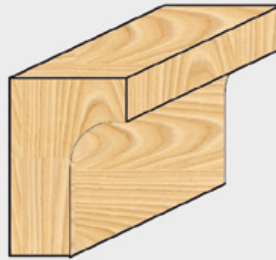


Ölçüler / Dimensions

Kod / Art No	D1	D2	B	R1	R2	L	d	Z
0430-33	22	13	22	4.5	13	67	6	2

0430-33

SERT METAL PLAKETLİ EL FREZE PROFİL BİÇAKLARI
T.C.T PROFILE ROUTER CUTTERS WITH BALL BEARING



Ölçüler / Dimensions

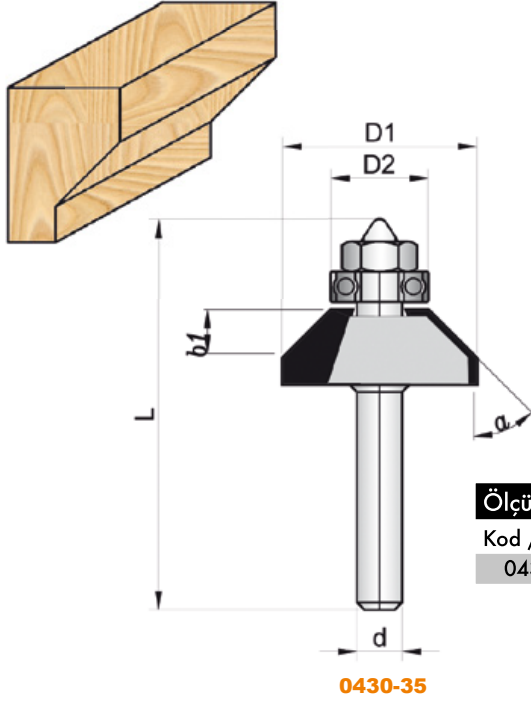
Kod / Art No	D	B	R	L	d	Z
0430-34	22	11	5	46	6	2

0430-34

 **SM. EL FREZE PROFİL FREZE BİÇAKLARI**
T.C.T. PROFILE ROUTER CUTTERS WITH BALL BEARING

SERT METAL PLAKETLİ EL FREZE PROFİL BİÇAKLARI
T.C.T PROFILE ROUTER CUTTERS WITH BALL BEARING

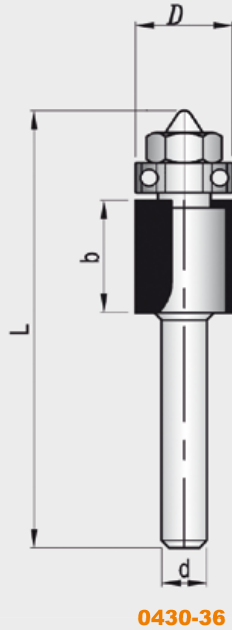
0430



Ölçüler / Dimensions

Kod / Art No	D1	D2	b1	a	L	d	Z
0430-35	26	13	6.5	45	57	6	2

SERT METAL PLAKETLİ EL FREZE PROFİL BİÇAKLARI
T.C.T PROFILE ROUTER CUTTERS WITH BALL BEARING



Ölçüler / Dimensions

Kod / Art No	D	d	b	L	Z
0430-36	13	6	15	62	2

NOTLAR
NOTICE

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This image shows a full page of a document template. It consists of a series of evenly spaced, horizontal dotted lines running across the width of the page. The background is plain white, and there are no margins, headers, or footers visible. This type of template is commonly used for creating forms, taking notes, or writing essays where a structured yet flexible layout is needed.

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NOTLAR
NOTICE

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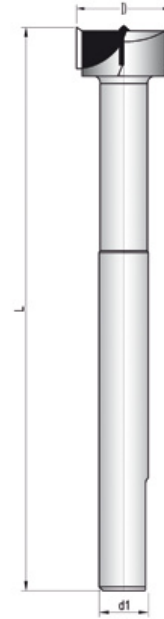
This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

KAPI KİLİT MAKİNASI BİÇAKLARI
BITS FOR DOOR LOCK MACHINE

0439

Ölçüler / Dimensions

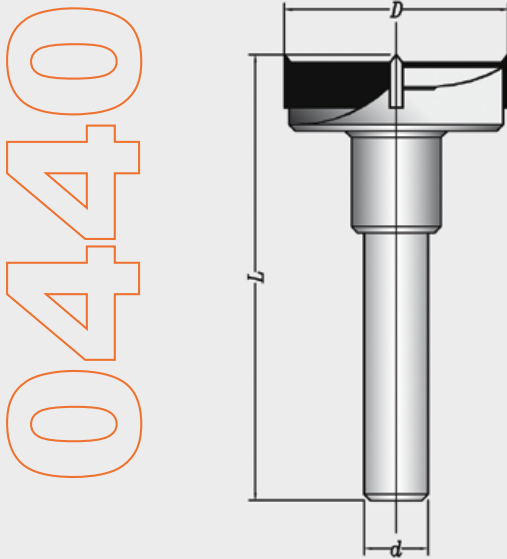
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0439-01	23	13	150	2	2
0439-02	24	13	150	2	2
0439-03	25	13	150	2	2
0439-04	26	13	150	2	2



SERT METAL PLAKETLİ ÖN KESİCİ MENTEŞE MATKAPLARI
T.C.T. HINGE BORING BITS

Ölçüler / Dimensions

Kod / Art No	D	V	L	d	Z
0440-1 R-L	15	2	57-70	10	2
0440-2 R-L	16	2	57-70	10	2
0440-3 R-L	18	2	57-70	10	2
0440-4 R-L	20	2	57-70	10	2
0440-5 R-L	22	2	57-70	10	2
0440-6 R-L	23	2	57-70	10	2
0440-7 R-L	24	2	57-70	10	2
0440-8 R-L	25	2	57-70	10	2
0440-9 R-L	26	2	57-70	10	2
0440-10 R-L	28	2	57-70	10	2
0440-11 R-L	30	2	57-70	10	2
0440-12 R-L	35	2	57-70	10	2
0440-13 R-L	40	2	57-70	10	2
0440-14	45	2	70	12	2
0440-15	50	2	70	12	2
0440-16	52	2	70	12	2
0440-17	53	2	70	12	2
0440-18	55	2	70	12	2
0440-19	60	2	70	12	2

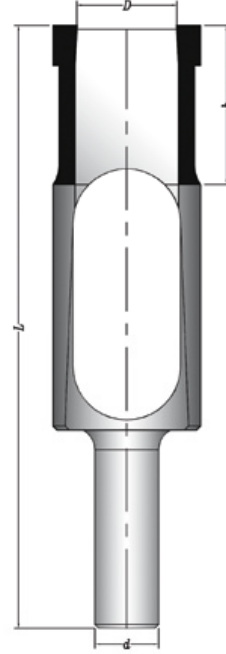


0441

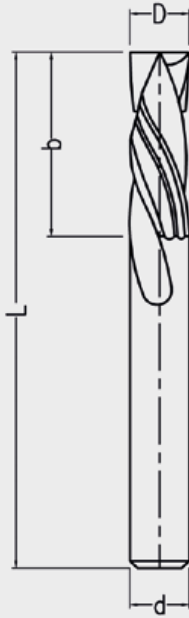
HSS BUDAK ÇIKARTMA MATKABI
WOOD PLUG CUTTER BITS

Ölçüler / Dimensions

Kod / Art No	D	b	L	d	Z
0441-1	20	40	152	16	4
0441-2	25	40	152	16	4
0441-3	30	40	152	16	4
0441-4	35	40	152	16	4
0441-5	40	40	152	16	4



0442



SİRAL EBATLAMA BIÇAĞI (POZİTİF - NEGATİF) (3 FLUTE) ROUGHING SPIRAL BITS

Ölçüler / Dimensions

Kod / Art No	D	b	L	d	Z
0442-01	6	22	57	6	2+2
0442-02	8	25	70	8	2+2
0442-03	9	25	70	9	2+2
0442-04	10	32	75	10	2+2
0442-05	10	42	90	10	2+2
0442-06	12	42	100	12	2+2
0442-07	12	52	100	12	2+2
0442-08	14	42	100	14	2+2
0442-09	14	52	100	14	2+2
0442-10	16	42	100	16	2+2
0442-11	16	52	100	16	2+2
0442-12	18	42	100	18	2+2
0442-13	18	52	100	18	2+2

SPİRAL HASSAS KESİM BİÇAĞI (PVC MALZEME KESİMİ İÇİN)
ROUGHING SPIRAL BITS (FOR PVC CUTTING)

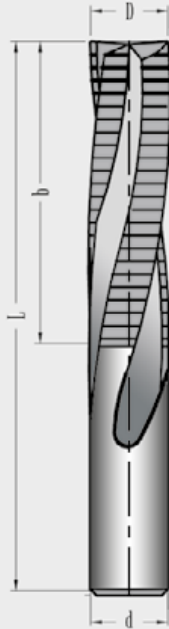
0443

Ölçüler / Dimensions

Kod / Art No	D	b	L	d	Z
0443-01	4	22	60	4	1
0443-02	5	22	60	5	1
0443-03	6	22	60	6	1
0443-04	8	30	65	8	1
0443-05	10	30	80	10	1



0444



SPİRAL KABA TALAŞ KESİM BİÇAĞI
(3 FLUTE) ROUGHING SPIRAL BITS

Ölçüler / Dimensions

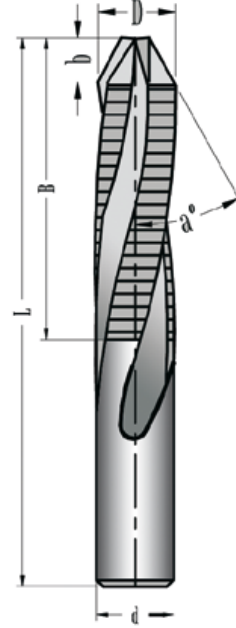
Kod / Art No	D	b	L	d	Z
0444-01	8	22	63	8	3
0444-02	8	32	72	8	3
0444-03	10	32	72	10	3
0444-04	10	40	90	10	3
0444-05	12	35	80	12	3
0444-06	12	40	83	12	3
0444-07	14	40	83	14	3
0444-08	14	52	100	14	3
0444-09	16	42	92	16	3
0444-10	16	52	100	16	3
0444-11	18	52	100	18	3

0445

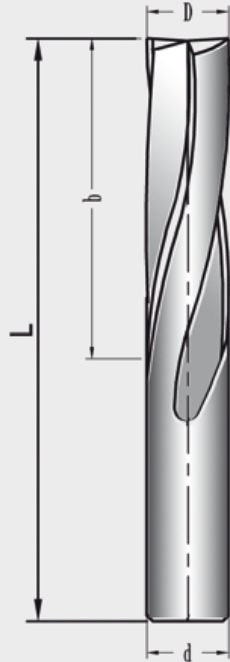
SPİRAL KABA TALAŞ KESİM BİÇAĞI (TAM DELİK) (3 FLUTE) ROUGHING SPIRAL BITS

Ölçüler / Dimensions

Kod / Art No	D	b	B	L	d	Z	α°
0445-01	14	8	55	110	14	3	30
0445-02	16	9	65	120	16	3	30
0445-03	18	10	65	125	18	3	30



0446



SPİRAL HASSAS KESİM BİÇAĞI SPIRAL BITS FOR PRECISION CUT

Ölçüler / Dimensions

Kod / Art No	D	b	L	d	Z
0446-01	8	22	63	8	3
0446-02	8	32	72	8	3
0446-03	10	32	72	10	3
0446-04	10	40	90	10	3
0446-05	12	35	80	12	3
0446-06	12	40	83	12	3
0446-07	14	40	83	14	3
0446-08	14	52	100	14	3
0446-09	16	42	92	16	3
0446-10	16	52	100	16	3
0446-11	18	52	100	18	3

SPİRAL KABA TALAŞ KESİM BİÇAĞI (KAPI KİLİT YERİ AÇMA)
ROUGHING SPIRAL BITS (FOR DOOR LOCK HINGES)

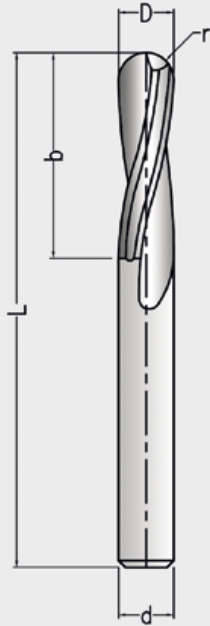
0447

Ölçüler / Dimensions

Kod / Art No	D	b	B	L	d	Z
0447-01	14	45	100	150	14	3
0447-02	16	50	100	150	16	3
0447-03	16	50	120	170	16	3
0447-04	18	50	100	150	18	3
0447-05	18	50	120	170	18	3



0448



SPİRAL RADIUS (KÜRE) BİÇAĞI
SPIRAL RADIUS BITS

Ölçüler / Dimensions

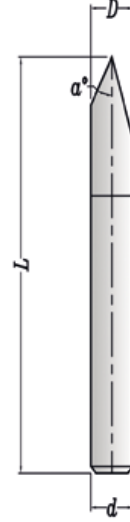
Kod / Art No	D	b	r	L	d	Z
0448-01	4	20	2	55	4	2
0448-02	5	20	2.5	55	5	2
0448-03	6	22	3	57	6	2
0448-04	8	32	4	72	8	2
0448-05	10	32	5	72	10	2
0448-06	12	40	6	83	12	2
0448-07	14	40	7	83	14	2
0448-08	16	42	8	92	16	2

0449

SİVRİ PANTOĞRAF BİÇAĞI POINTED PANTOGRAPH BIT

Ölçüler / Dimensions

Kod / Art No	D	α°	L	d	Z
0449-01	6	30	60	6	1
0449-02	6	45	60	6	1
0449-03	8	30	60	8	1
0449-04	8	45	60	8	1
0449-05	10	30	60	10	1
0449-06	10	45	60	10	1
0449-07	12	30	60	12	1
0449-08	12	45	60	12	1



0450



0450-01



0450-02



0450-03



0450-04



0450-05



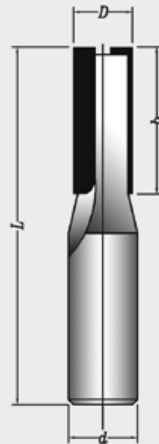
0450-06



0450-07



0450-08



SERT METAL PLAKETLİ PARMAK FREZE BİÇAKLARI T.C.T. STRAIGHT BIT DOUBLE FLUTED

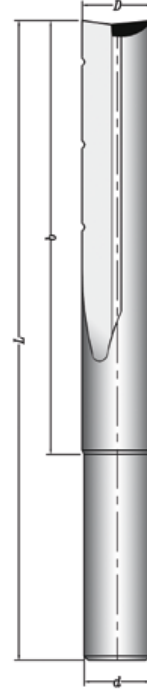
Ölçüler / Dimensions

Kod / Art No	D	b	L	d	Z
0450-01	3	12	62	14-12	2
0450-02	4	15	65	14-12	2
0450-03	5	20	70	14-12	2
0450-04	6	20	70	14-12	2
0450-05	8	25	75	14-12	2
0450-06	9	25	75	14-12	2
0450-07	10	30	80	14-12	2
0450-08	12	30	73	14-12	2
0450-09	14	30	73	14-12	2
0450-10	16	35	78	14-12	2
0450-11	18	35	78	14-12	2
0450-12	20	35	78	14-12	2
0450-13	22	35	78	14	2
0450-14	24	35	78	14	2
0450-15	25	35	78	14	2
0450-16	26	35	78	14	2
0450-17	28	26	76	14	2
0450-18	30	26	76	14	2
0450-19	3	12	55	6	2
0450-20	4	15	59	6	2
0450-21	5	20	59	6	2
0450-22	6	20	59	6	2
0450-23	8	20	59	6	2
0450-24	10	20	59	6	2
0450-25	5	20	59	8	2
0450-26	6	20	59	8	2

SS KAPI KİLİT YERİ AÇMA BİÇAĞI
STRAIGHT BIT DOUBLE FLUTED FOR DOOR LOCK

0451

Ölçüler / Dimensions						
Kod / Art No	D	b	L	d	Z	
0451-01	12	105	155	14	2	
0451-02	14	105	155	16	2	
0451-03	16	105	155	16	2	
0451-04	17	105	155	16	2	
0451-05	18	105	155	16	2	



Ölçüler / Dimensions						
Kod / Art No	D	b	r	L	d	Z
0453-01	4	10	2	60	12-14	2
0453-02	5	12	2.5	62	12-14	2
0453-03	6	15	3	65	12-14	2
0453-04	8	20	4	70	12-14	2
0453-05	10	20	5	70	12-14	2
0453-06	12	20	6	70	12-14	2

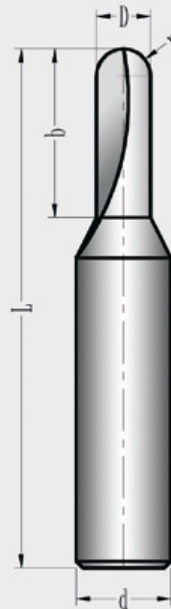


0453-02



0453-06

SOM ELMAS RADÜS PARMAK FREZELER
ROUND NOSE ROUTER BITS



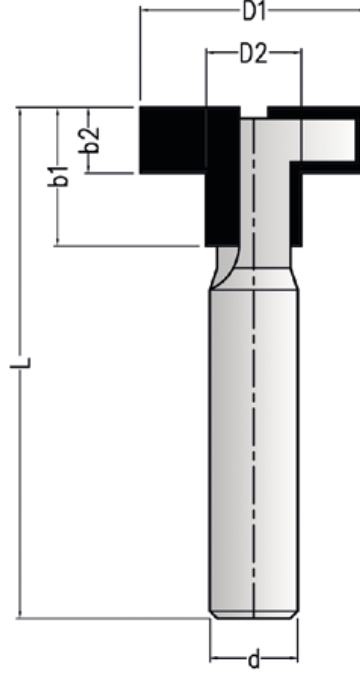
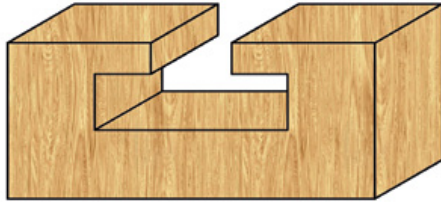
0453

0455

SERT METAL PLAKETLİ T PROFİL FREZE BİÇAĞI T-SLOT ROUTER BITS

Ölçüler / Dimensions

Kod / Art No	D	D1	b1	b2	L	d	Z
0455-01	31	13	19	9	70	12	2

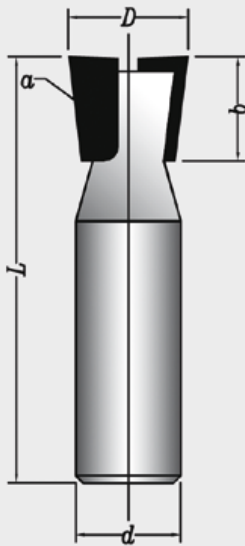


SERT METAL PLAKETLİ KIRLANGIÇ BİÇAKLARI T.C.T. DOVETAIL ROUTER BITS

Ölçüler / Dimensions

Kod / Art No	D	b	a	L	d	Z
0460-01	16	14	7	57	14	2
0460-02	19	12	14	55	14	2
0460-03	24	15	14	58	14	2

0460



0460-01



0460-02



0460-03

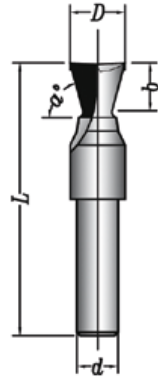
SERT METAL KIRLANGIÇ BIÇAĞI

T.C.T. DOVETAIL ROUTER BITS

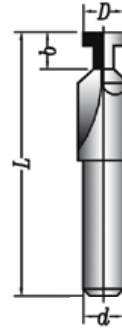
0465

Ölçüler / Dimensions

Kod / Art No	D	b	a	L	d	Z
0465-01	8	7	15	40	6-8	2
0465-02	6	5,5		40	6-8	2



0465-01



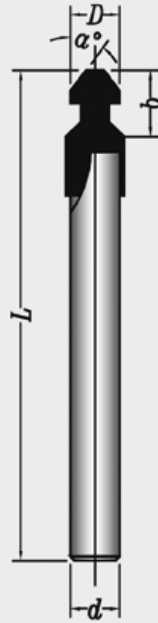
0465-02

SERT METAL PLAKETLİ FİTİL BIÇAĞI

T.C.T. GASKET ROUTER BIT

Ölçüler / Dimensions

Kod / Art No	D	b	a	L	d	Z
0466-01	6	8	36,5	60	6	2



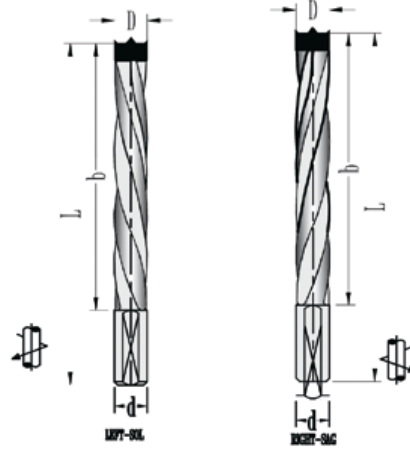
0466

0468

SERT METAL YARIM DELİK MATKAPLARI DOWEL DRILL BITS

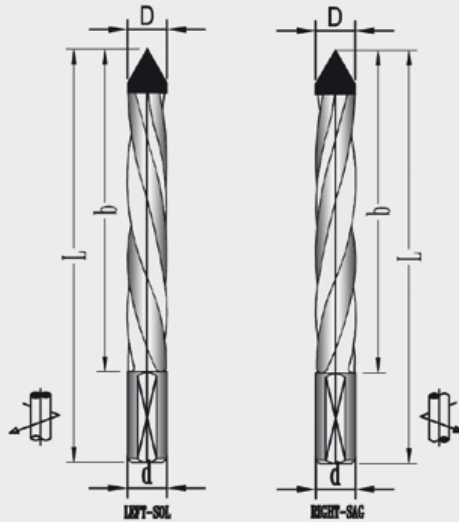
Ölçüler / Dimensions

Kod / Art No	b	D	V	L	d	Z
0468-01 R-L	62	8	2	85	10	2
0468-02 R-L	82	8	2	105	10	2
0468-03 R-L	102	8	2	120	10	2
0468-04 R-L	62	10	2	85	10	2
0468-05 R-L	82	10	2	105	10	2
0468-06 R-L	102	10	2	120	10	2
0468-07 R-L	62	12	2	85	10	2
0468-08 R-L	82	12	2	105	10	2
0468-09 R-L	102	12	2	120	10	2



SERT METAL TAM DELİK MATKAPLARI THROUGH HOLE DRILLING BITS

0469



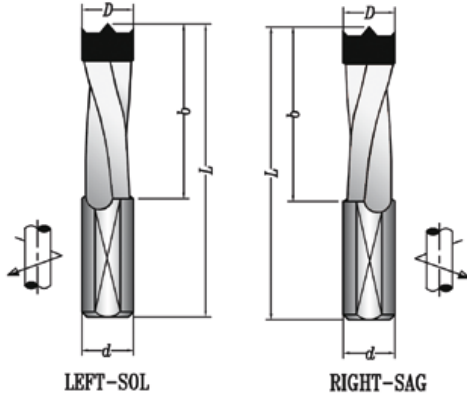
Ölçüler / Dimensions

Kod / Art No	b	D	L	d	Z
0469-01 R-L	62	8	85	10	2
0469-02 R-L	82	8	105	10	2
0469-03 R-L	102	8	120	10	2
0469-04 R-L	62	10	85	10	2
0469-05 R-L	82	10	105	10	2
0469-06 R-L	102	10	120	10	2
0469-07 R-L	62	5	85	10	2
0469-08 R-L	62	6	85	10	2

SERT METAL YARIM DELİK MATKAPLARI

DOWEL DRILL BITS

0470



Ölçüler / Dimensions

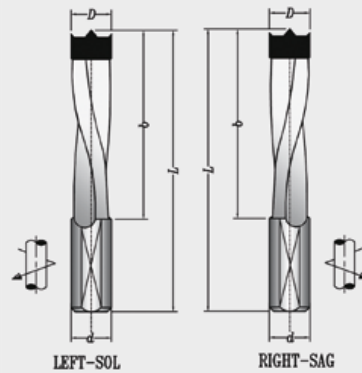
Kod / Art No	b	D	V	L	d	Z
0470-01 R-L	34	4	2	57	10	2
0470-02 R-L	34	4.5	2	57	10	2
0470-03 R-L	34	5	2	57	10	2
0470-04 R-L	34	5.5	2	57	10	2
0470-05 R-L	34	6	2	57	10	2
0470-06 R-L	34	6.5	2	57	10	2
0470-07 R-L	34	7	2	57	10	2
0470-08 R-L	34	7.5	2	57	10	2
0470-09 R-L	34	8	2	57	10	2
0470-10 R-L	34	8.5	2	57	10	2
0470-11 R-L	34	9	2	57	10	2
0470-12 R-L	34	9.5	2	57	10	2
0470-13 R-L	34	10	2	57	10	2
0470-14 R-L	34	10.5	2	57	10	2
0470-15 R-L	34	11	2	57	10	2
0470-16 R-L	34	12	2	57	10	2
0470-17 R-L	34	13	2	57	10	2
0470-18 R-L	34	14	2	57	10	2
0470-19 R-L	34	15	2	57	10	2

SERT METAL YARIM DELİK MATKAPLARI

DOWEL DRILL BITS

Ölçüler / Dimensions

Kod / Art No	b	D	V	L	d	Z
0471-01 R-L	47	4	2	70	10	2
0471-02 R-L	47	4.5	2	70	10	2
0471-03 R-L	47	5	2	70	10	2
0471-04 R-L	47	5.5	2	70	10	2
0471-05 R-L	47	6	2	70	10	2
0471-06 R-L	47	6.5	2	70	10	2
0471-07 R-L	47	7	2	70	10	2
0471-08 R-L	47	7.5	2	70	10	2
0471-09 R-L	47	8	2	70	10	2
0471-10 R-L	47	8.5	2	70	10	2
0471-11 R-L	47	9	2	70	10	2
0471-12 R-L	47	9.5	2	70	10	2
0471-13 R-L	47	10	2	70	10	2
0471-14 R-L	47	10.5	2	70	10	2
0471-15 R-L	47	11	2	70	10	2
0471-16 R-L	47	12	2	70	10	2
0471-17 R-L	47	13	2	70	10	2
0471-18 R-L	47	14	2	70	10	2
0471-19 R-L	47	15	2	70	10	2



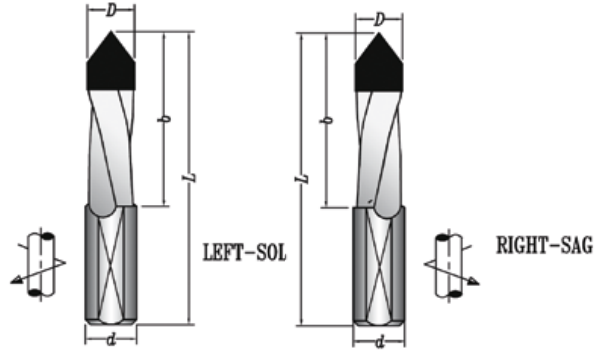
0471

0472

SERT METAL TAM DELİK MATKAPLARI THROUGH HOLE DRILLING BITS

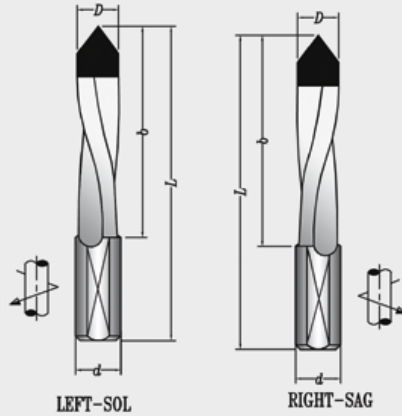
Ölçüler / Dimensions

Kod / Art No		b	D	L	d	Z
0472-01	R-L	34	4	57	10	2
0472-02	R-L	34	5	57	10	2
0472-03	R-L	34	5.5	57	10	2
0472-04	R-L	34	6	57	10	2
0472-05	R-L	34	7	57	10	2
0472-06	R-L	34	8	57	10	2
0472-07	R-L	34	9	57	10	2
0472-08	R-L	34	10	57	10	2



SERT METAL DELİK MATKAPLARI THROUGH HOLE DRILLING BITS

0473



Ölçüler / Dimensions

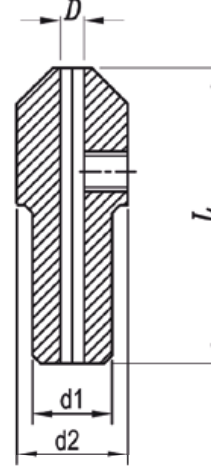
Kod / Art No		b	D	L	d	Z
0473-01	R-L	47	4	70	10	2
0473-02	R-L	47	4.5	70	10	2
0473-03	R-L	47	5	70	10	2
0473-04	R-L	47	5.5	70	10	2
0473-05	R-L	47	6	70	10	2
0473-06	R-L	47	6.5	70	10	2
0473-07	R-L	47	7	70	10	2
0473-08	R-L	47	7.5	70	10	2
0473-09	R-L	47	8	70	10	2
0473-10	R-L	47	8.5	70	10	2
0473-11	R-L	47	9	70	10	2
0473-12	R-L	47	10	70	10	2
0473-13	R-L	47	11	70	10	2
0473-14	R-L	47	12	70	10	2
0473-15	R-L	47	13	70	10	2
0473-16	R-L	47	14	70	10	2
0473-17	R-L	47	15	70	10	2
0473-18	R-L	47	16	70	10	2
0473-19	R-L	47	17	70	10	2
0473-20	R-L	47	18	70	10	2
0473-21	R-L	47	19	70	10	2
0473-22	R-L	47	20	70	10	2

DELİK MATKAP ADAPTÖRÜ
HOLE DRILL ADAPTER

0474

Ölçüler / Dimensions

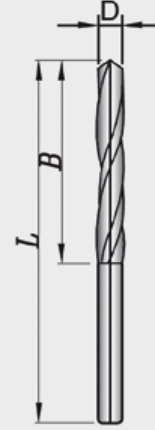
Kod / Art No	D	L	d1	d2
0474-01	2	38	10	14,5
0474-02	2,5	38	10	14,5
0474-03	3	38	10	14,5
0474-04	3,2	38	10	14,5
0474-05	3,5	38	10	14,5
0474-06	4,0	38	10	14,5
0474-07	4,5	38	10	14,5
0474-08	5,0	38	10	14,5



DELİK MATKABI
HOLE DRILLS

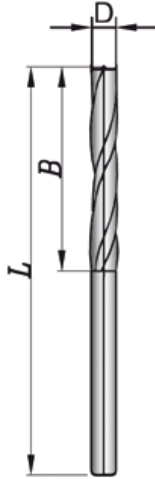
Ölçüler / Dimensions

Kod / Art No	B	D	L
0475-TD 20 R-L	20	2	45
0475-TD 25 R-L	30	2.5	53
0475-TD 30 R-L	30	3	53
0475-TD 32 R-L	30	3.2	53
0475-TD 35 R-L	30	3.5	53
0475-TD 40 R-L	30	4.0	53
0475-TD 45 R-L	30	4.5	53
0475-TD 50 R-L	30	5.0	53



0475

0475



DELİK MATKABI
HOLE DRILLS

Ölçüler / Dimensions

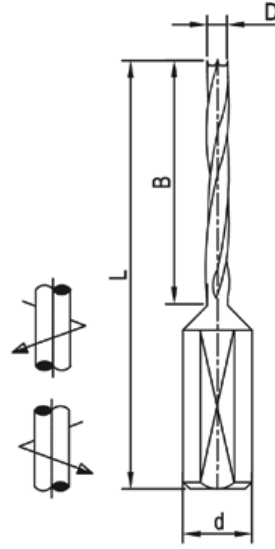
Kod / Art No	B	D	L
0475-YD 20 R-L	20	2	45
0475-YD 25 R-L	30	2.5	53
0475-YD 30 R-L	30	3	53
0475-YD 32 R-L	30	3.2	53
0475-YD 35 R-L	30	3.5	53
0475-YD 40 R-L	30	4.0	53
0475-YD 45 R-L	30	4.5	53
0475-YD 50 R-L	30	5.0	53

SCYD

SOLİD CARBUR MATKAP UCU
SOLID CARBIDE DRILLING BIT

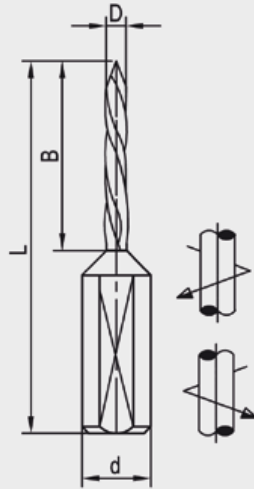
Ölçüler / Dimensions

Kod / Art No	b	d	D	L
SCYD 3057 R-L	25	10	3	57
SCYD 4057 R-L	25	10	4	57
SCYD 5057 R-L	25	10	5	57
SCYD 6057 R-L	25	10	6	57
SCYD 8057 R-L	25	10	8	57
SCYD 3070 R-L	35	10	3	70
SCYD 4070 R-L	35	10	4	70
SCYD 5070 R-L	35	10	5	70
SCYD 6057 R-L	35	10	6	70
SCYD 8057 R-L	35	10	8	70



SOLİD CARBUR MATKAP UCU
SOLID CARBIDE DRILLING BIT

SCTD



Ölçüler / Dimensions

Kod / Art No	B	d	D	L
SCTD 3057 R-L	25	10	3	57
SCTD 4057 R-L	25	10	4	57
SCTD 5057 R-L	25	10	5	57
SCTD 6057 R-L	25	10	6	57
SCTD 8057 R-L	25	10	8	57
SCTD 3070 R-L	35	10	3	70
SCTD 4070 R-L	35	10	4	70
SCTD 5070 R-L	35	10	5	70
SCTD 6070 R-L	35	10	6	70
SCTD 8070 R-L	35	10	8	70

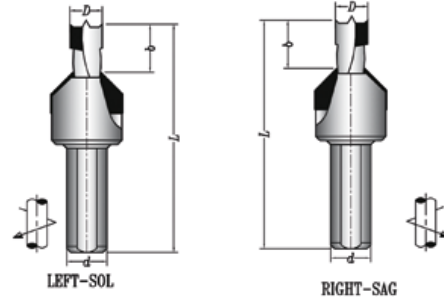
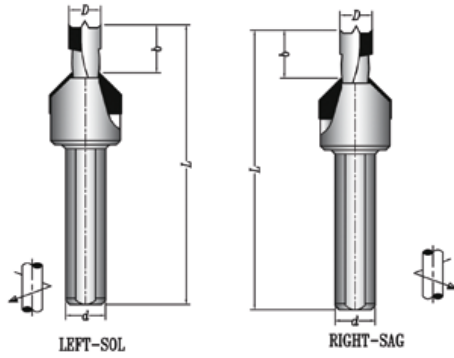
SERT METAL ÖZEL DELİK MATKAPLARI

T.C.T. SPECIAL COUNTERBORE BITS

0476

Ölçüler / Dimensions

Kod / Art No	b	D	L	d	Z
0476-01 R-L	12	8	57	10	2
0476-02 R-L	12	8	70	10	2

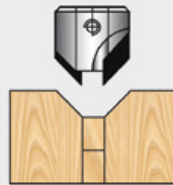
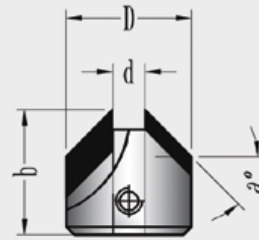


HM HAVSA MATKAPLARI

T.C.T. COUNTERSINK BITS

Ölçüler / Dimensions

Kod / Art No	D	d	b	a	Z
0477-01	16	4	16	45	2
0477-02	16	5	16	45	2
0477-03	16	6	16	45	2
0477-04	16	7	16	45	2
0477-05	18	8	16	45	2
0477-06	20	9	16	45	2
0477-07	20	10	25	45	2
0477-08	23	12	25	45	2



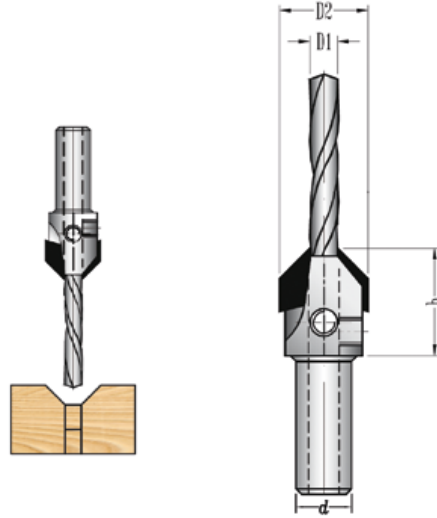
0477

0478

SERT METAL PLAKETLİ HAVŞALI MATKAPLARI SOLID HM DRILLS WITH COUNTER SINK

Ölçüler / Dimensions

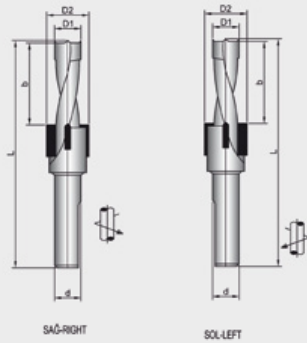
Kod / Art No	D1	D2	b	d	Z
0478-01	3	16	20	10	2
0478-02	3,5	16	20	10	2
0478-03	4	16	20	10	2
0478-04	4,5	16	20	10	2
0478-05	5	16	20	10	2
0478-06	6	16	20	10	2
0478-07	7	16	20	10	2



SERT METAL ÖZEL DELİK MATKAPLARI PROFİLE REUTER CUTTERS T.C.T

Ölçüler / Dimensions

Kod / Art No	L	D1	D1	d	b	V	Z
0479-01 R-L	85	10	16	10	31	2	2



ZİNCİRLİ MATKAPLAR

MORTISING CHAINS

Ölçüler / Dimensions

Kod / Art No	
0481-01	6X40X150/36
0481-02	8X40X150/36
0481-03	10X40X150/36
0481-04	12X40X150/36
0481-05	14X40X150/36
0481-06	16X40X150/36
0481-07	17X40X150/36
0481-08	18X40X150/36

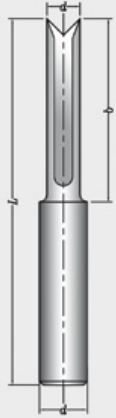
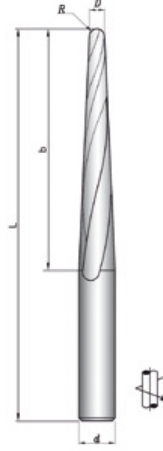


SERT METAL ÖZEL DELİK MATKAPLARI
PROFILE REUTER CUTTERS T.C.T.

0482

Ölçüler / Dimensions

Kod / Art No	D	d	b	L	R
0482-01	2.5	8	55	100	1.25
0482-02	2.5	10	55	100	1.25
0482-03	3	12	75	120	1.50



ZIVANA MAKİNASI (OSİLASYON) MATKAPLARI
SLOT MORTISING BIT (HSS)

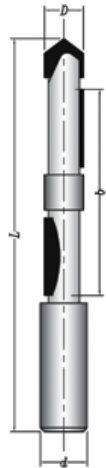
Ölçüler / Dimensions

Kod / Art No	D	b	L	d	Z
0485-01	6	40	90	13	2
0485-02	7	40	95	13	2
0485-03	8	40	95	13	2
0485-04	9	50	100	13	2
0485-05	10	50	105	13	2
0485-06	11	60	110	13	2
0485-07	13	60	115	13	2
0485-08	13	60	120	13	2
0485-09	14	60	120	13	2
0485-10	17	115	165	16	2

0485

SERT METAL KAPI KONTRA BOŞALTMA BİÇAĞI

DRILL POINT DOUBLE FLUSH TRIMMING BIT



Ölçüler / Dimensions

Kod / Art No	D	b	L	d	Z
0486-01	10	53	103	12	2

0486

0487

SERT METAL PLAKETLİ PROFİL TAKOZ BIÇAĞI
T.C.T. MULTI GROOVING BITS

Ölçüler / Dimensions

Kod / Art No	D	b	L	d	Z
0487-01	60	5	86	14	4
0487-02	60	6	92	14	4
0487-03	60	7	97	14	4



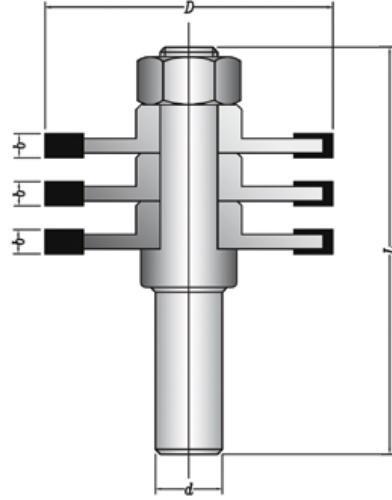
0487-01



0487-02

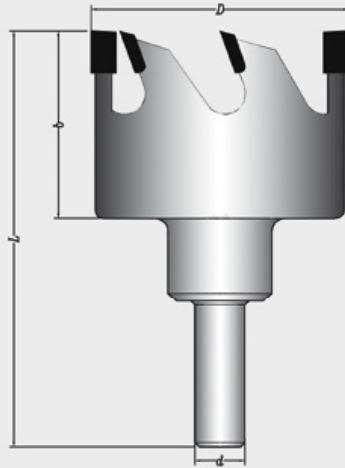


0487-03



TAPA / BUAT / SPOT / ASPRATÖR YERİ MATKAPLARI HOLE SAW DRILLING BIT

0488



Ölçüler / Dimensions

Kod / Art No	D	b	L	d	Z
0488-01	40	45	100	12	6
0488-02	45	45	100	12	8
0488-03	50	45	100	12	8
0488-04	55	45	100	12	8
0488-05	60	45	100	12	8
0488-06	62	45	100	12	8
0488-07	65	45	100	12	8
0488-08	70	45	100	12	8
0488-09	130	35	90	12	24

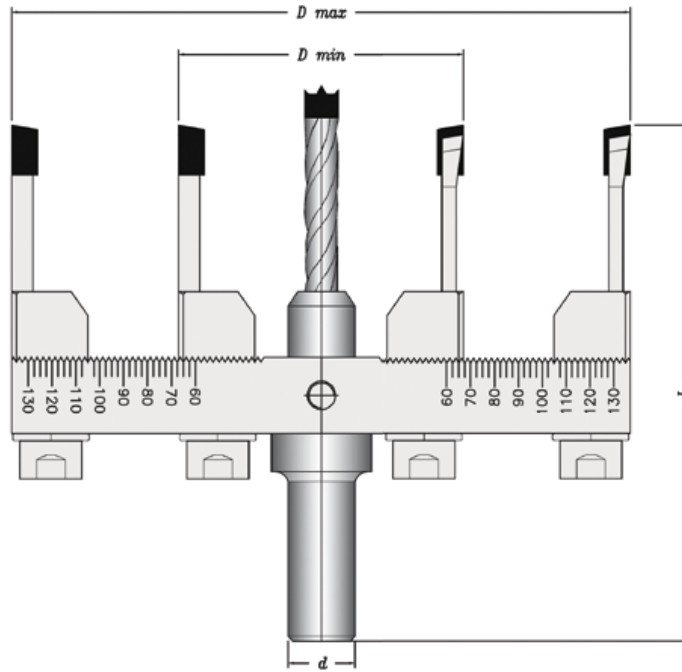
SERT METAL PLAKETLİ AYARLI MATKAP
T.C.T ADJUSTABLE DRILLING BIT

0489



Ölçüler / Dimensions

Kod / Art No	D min	D max	L	d	Z
0489-01	60	130	108,5	14	2
0489-02	50	100	83	12	2



NOTLAR
NOTICE

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This image shows a full page of a document template. It consists of approximately 30 evenly spaced horizontal dotted lines across the entire width of the page, providing a guide for handwriting or typing. The background is plain white, and there are no margins, headers, or footers visible.

İÇİNDEKİLER

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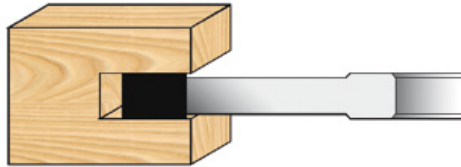
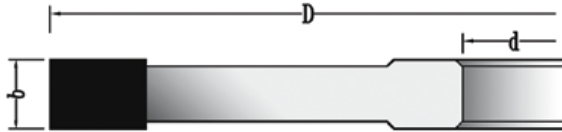
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0490

SERT METAL KANAL FREZELER
T.C.T. GROOVING CUTTERS

Ölçüler / Dimensions

Kod / Art No	D	b	d	Z
0490-01	120	4	30	6
0490-02	120	5	30	6
0490-03	120	6	30	6
0490-04	120	8	30	6
0490-05	120	10	30	6
0490-06	120	12	30	6
0490-07	150	4	30	8
0490-08	150	5	30	8
0490-09	150	6	30	8
0490-10	150	8	30	8
0490-11	150	10	30	8
0490-12	150	12	30	8
0490-13	150	4	30	12
0490-14	150	4,5	30	12
0490-15	150	5	30	12
0490-16	150	6	30	12
0490-17	150	7	30	12
0490-18	150	8	30	12
0490-19	150	8,5	30	12
0490-20	150	9	30	12
0490-21	150	10	30	12
0490-22	150	12	30	12
0490-23	150	14	30	6
0490-24	150	16	30	6



Ölçüler / Dimensions

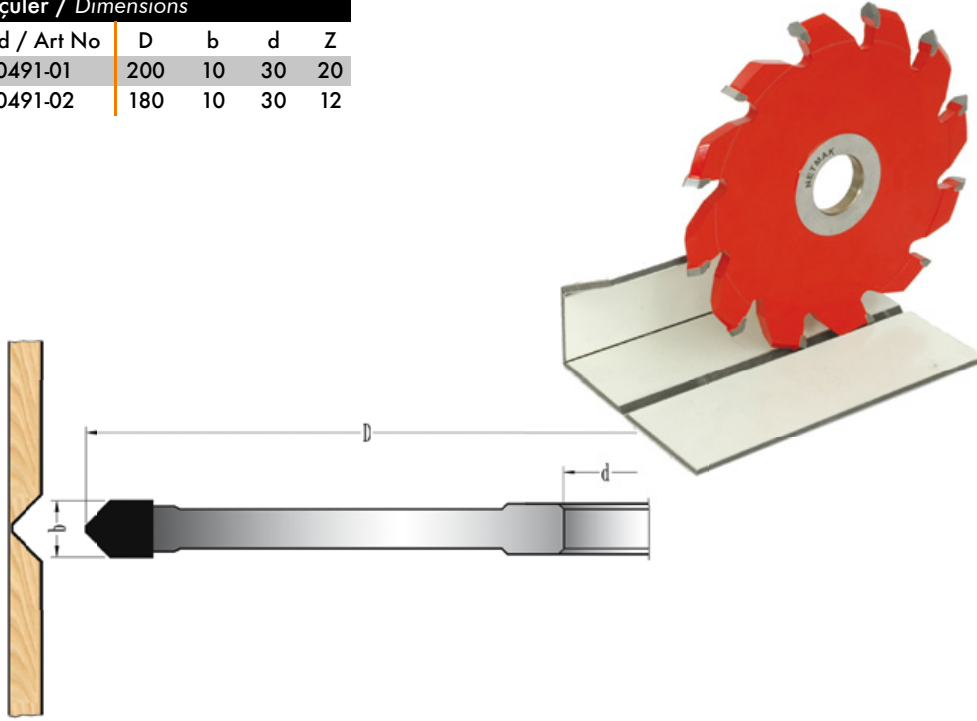
Kod / Art No	D	b	d	Z
0490-25	150	18	30	6
0490-26	150	20	30	6
0490-27	180	4	30	12
0490-28	180	5	30	12
0490-29	180	6	30	12
0490-30	180	8	30	12
0490-31	180	10	30	12
0490-32	180	12	30	12
0490-33	200	4	30	16
0490-34	200	4,5	30	16
0490-35	200	5	30	16
0490-36	200	6	30	16
0490-37	200	7	30	16
0490-38	200	8	30	16
0490-39	200	8,5	30	16
0490-40	200	9	30	16
0490-41	200	10	30	16
0490-42	200	12	30	16
0490-43	250	10	30	12
0490-44	250	12	30	12
0490-45	250	10	30	8
0490-46	250	12	30	8
0490-47	250	14	30	8
0490-48	250	16	30	8

SERT METAL PLAKETLİ ALM. KOMPOZİT BİÇAĞI
T.C.T GROOVING CUTTERS

0491

Ölçüler / Dimensions

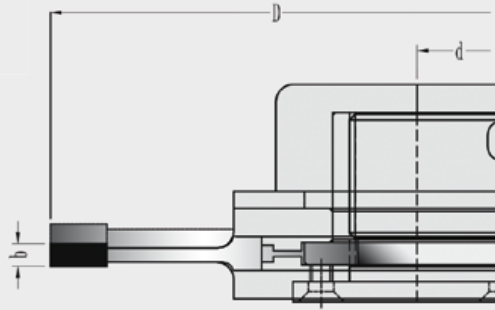
Kod / Art No	D	b	d	Z
0491-01	200	10	30	20
0491-02	180	10	30	12



SERT METAL PLAKETLİ AYARLI KANAL FREZELER
T.C.T. ADJUSTABLE GROOVING CUTTERS

Ölçüler / Dimensions

Kod / Art No	D	b	V	d	Z
0492-01	160	4-7,5	4	30	4
0492-02	160	6-11,5	4	30	4
0492-03	160	8-15,5	4	30	4



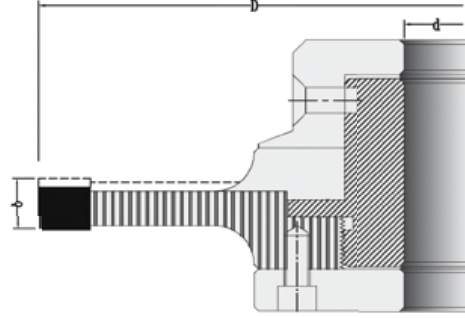
0492

0495

SERT METAL AYARLI KANAL FREZELER
T.C.T. ADJUSTABLE GROOVING CUTTERS

Ölçüler / Dimensions

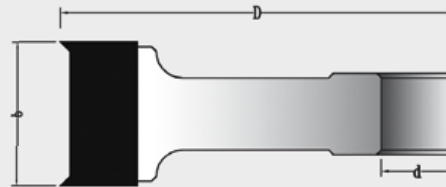
Kod / Art No	D	b	V	d	Z
0495-01	200	10-19	4	30	4
0495-02	250	10-19	4	30	4
0495-03	300	10-19	4	30	4



SERT METAL PLAKETLİ AĞSAP DOĞRAMA FREZE BİÇAKLARI
REBATING CUTTER BLOCK T.C.T.

Ölçüler / Dimensions

Kod / Art No	D	b	V	d	Z
0500-01	160	30	4	30	4
0500-02	160	35	4	30	4
0500-03	160	40	4	30	4
0500-04	160	45	4	30	4
0500-05	160	50	4	30	4



0500



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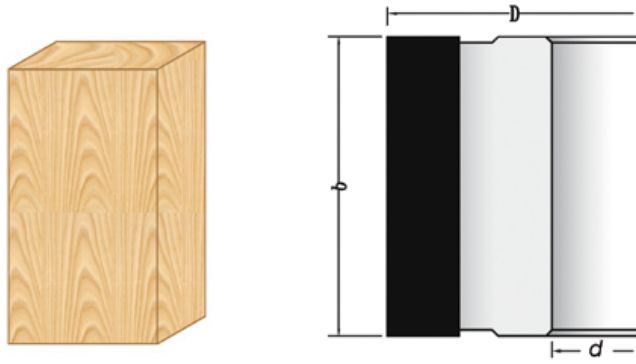
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0510

SERT METAL PLAKETLİ KENAR TEMİZLEME FREZE BİÇAKLARI
T.C.T. REBATING CUTTERS BLOCK

Ölçüler / Dimensions

Kod / Art No	D	b	d	Z
0510-01	85	50	30	4
0510-02	85	65	30	4

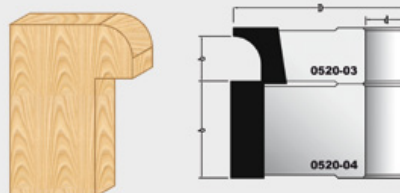
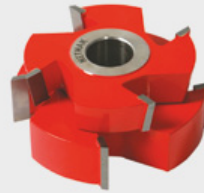
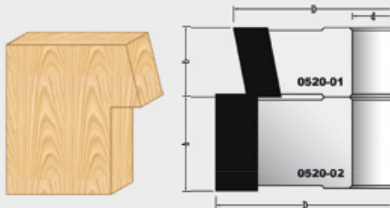


SERT METAL PLAKETLİ KAPI LAMBA FREZE BİÇAKLARI
T.C.T. RABBETING CUTTER BLOCK

Ölçüler / Dimensions

Kod / Art No	D	b	r1	a	d	Z
0520-01	115	25	-	11	30	4
0520-02	128	35	-	-	30	4
0520-03	125	20	10	-	30	4
0520-04	127	35	-	-	30	4

0520



 **SM. DELİKLİ PROFİLLER**
RUSTİK KAPI - KONTER PROFİLLER
T.C.T. SINGLE AND COMBINATION CUTTERS

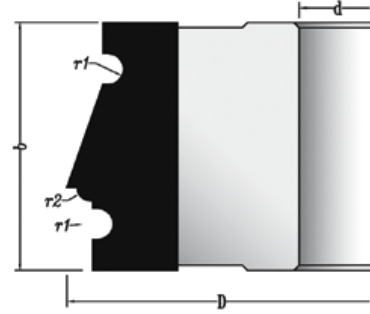
SERT METAL PLAKETLİ GÖMME ÇITA FREZE BIÇAĞI
T.C.T. PROFILE CUTTERS BLOCK

0530



Ölçüler / Dimensions

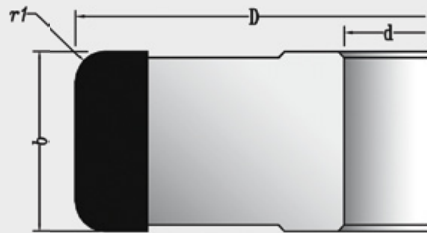
Kod / Art No	D	b	r1	r2	d	Z
0530-01	120	48	3	2,5	30	4



SERT METAL PLAKETLİ SIRA KALEMLİK FREZE BIÇAKLARI
T.C.T. PROFILE CUTTER BLOCK

Ölçüler / Dimensions

Kod / Art No	D	b	r1	d	Z
0540-01	120	30	5	30	4



0540

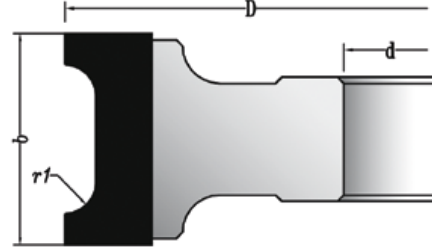
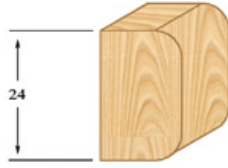
0600

SERT METAL PLAKETLİ KENAR YUVARLAMA FREZE BİÇAKLARI

T.C.T. REBATING CUTTERS BLOCK

Ölçüler / Dimensions

Kod / Art No	D	b	r1	d	Z
0600-01	120	34	5	30	4



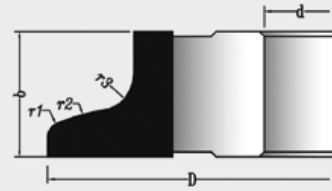
SERT METAL PLAKETLİ SOFTFORMIG BİÇAKLARI

T.C.T. PROFILE CUTTER BLOCK

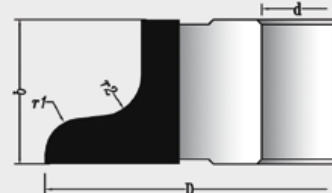
0605

Ölçüler / Dimensions

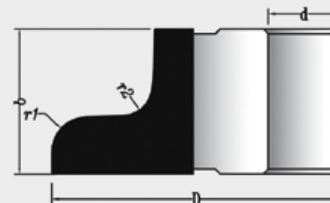
Kod / Art No	D	b	r1	r2	r3	d	Z
0605-01	120	26	3	45	10	30	4
0605-02	120	30	7,5	31	4,5	30	4
0605-03	120	30		7,5	8,5	30	4



0605-01



0605-02



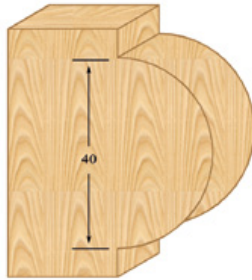
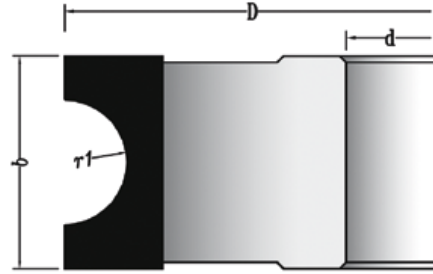
0605-03



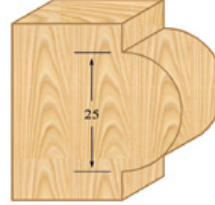
SM. DELİKLİ PROFİLLER
RUSTİK KAPI - KONTER PROFİLLER
T.C.T. SINGLE AND COMBINATION CUTTERS

Ölçüler / Dimensions

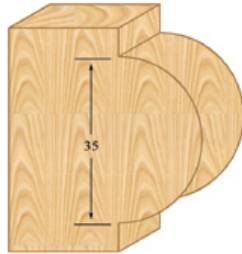
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0610-02	120	26	6	30	3
0610-03	120	30	8	30	3
0610-04	120	34	10	30	3
0610-05	120	39	12,5	30	3
0610-06	120	44	15	30	3
0610-07	120	49	17,5	30	3
0610-08	120	54	20	30	3



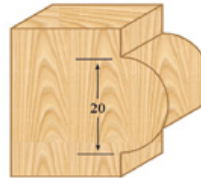
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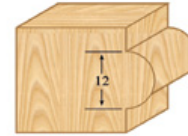
0610-05



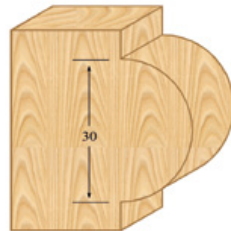
0610-07



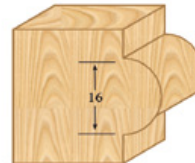
0610-04



0610-02



0610-06



0610-03



0610-01

0615

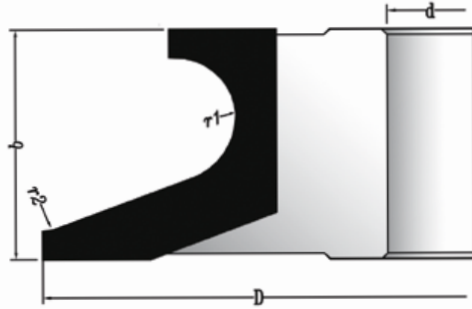
SERT METAL PLAKETLİ MASA KENAR YUVARLAMA BİÇAKLARI
T.C.T. PROFILE CUTTERS BLOCK

Ölçüler / Dimensions

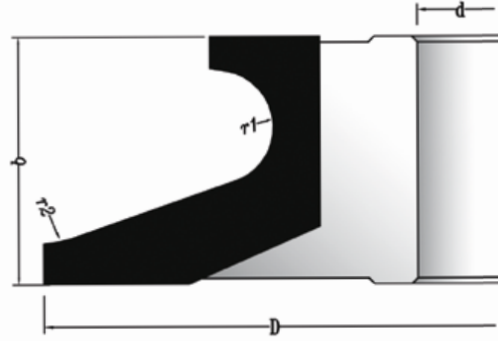
Kod / Art No	D	b	r1	r2	d	Z
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0615-02	140	38	8	34	30	4
0615-03	160	43	10	12	30	4



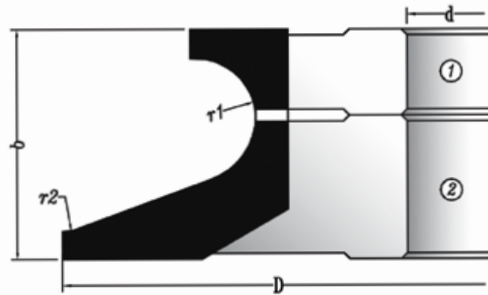
0615-01



0615-02



0615-03



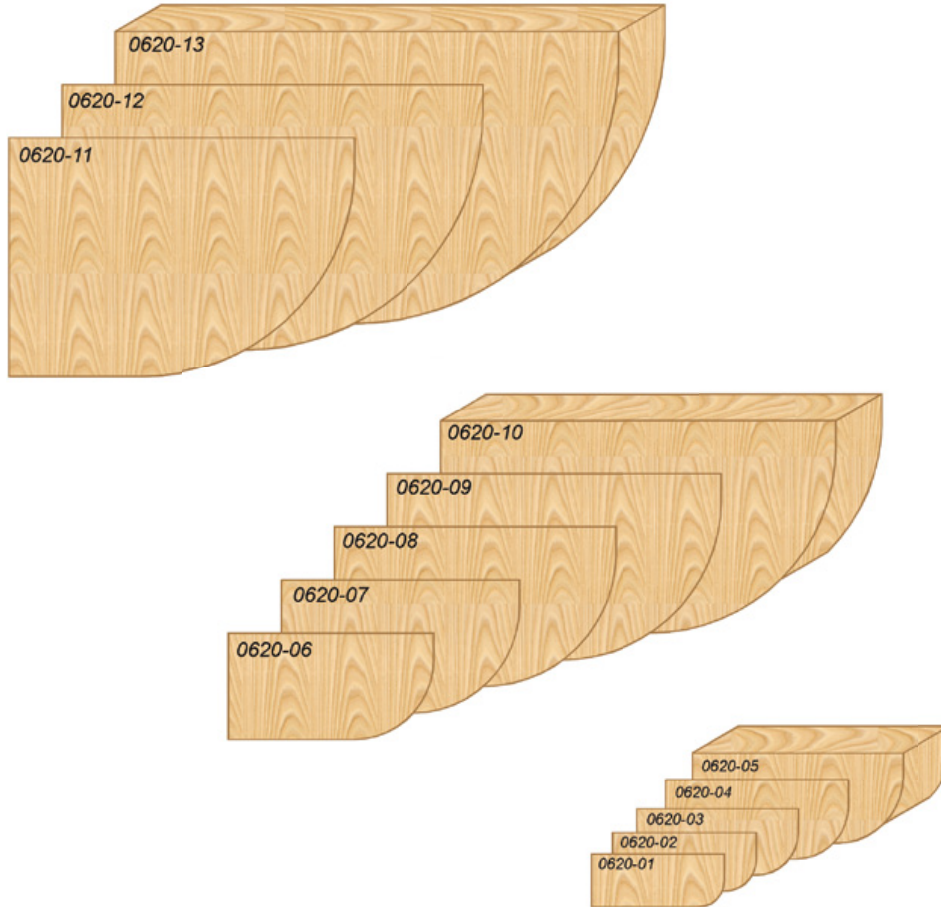
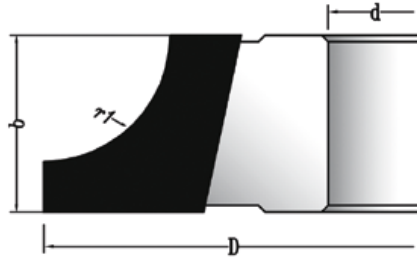
SM. DELİKLİ PROFİLLER
RUSTİK KAPI - KONTER PROFİLLER
T.C.T. SINGLE AND COMBINATION CUTTERS

S. M. PLAKETLİ 1/4 DAİRE KENAR YUVARLAMA FREZE BİÇAKLARI
T.C.T. 1/4 RADIUS PROFILE CUTTERS BLOCK

0620

Ölçüler / Dimensions

Kod / Art No	D	b	r1	d	Z
0620-01	90	13	5	30	3
0620-02	92	14	6	30	3
0620-03	96	16	8	30	3
0620-04	100	18	10	30	3
0620-05	105	20,5	12,5	30	3
0620-06	110	23	15	30	3
0620-07	120	28	20	30	3
0620-08	130	33	25	30	3
0620-09	140	38	30	30	3
0620-10	150	45	35	30	3
0620-11	160	50	40	30	3
0620-12	170	55	45	30	3
0620-13	180	60	50	30	3



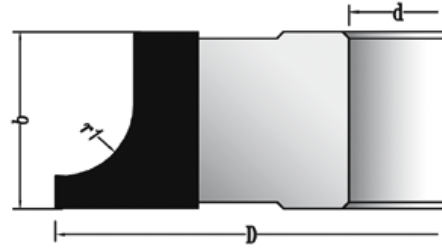
0625

SERT METAL PLAKETLİ POSTFORMING BİÇAKLARI

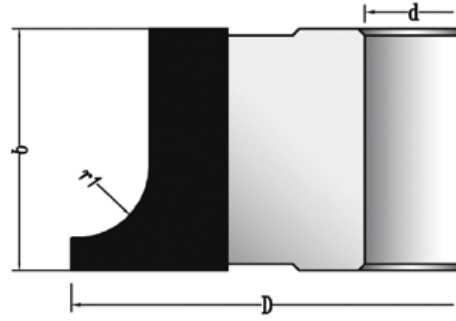
T.C.T. PROFILE CUTTER BLOCK

Ölçüler / Dimensions

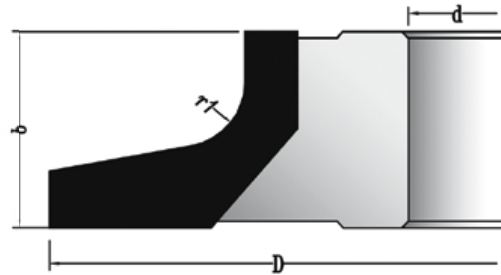
Kod / Art No	D	b	r1	d	Z
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0625-02	120	37	11	30	4
0625-03	140	30	10	30	4



0625-01



0625-02



0625-03



SM. DELİKLİ PROFİLLER

RUSTİK KAPI - KONTER PROFİLLER

T.C.T. SINGLE AND COMBINATION CUTTERS

S. M. PLAKETLİ RUSTİK ÇERÇEVE BİRLEŞTİRME FREZE BİÇAK GRUBU
T.C.T. TONGUE AND GROOVE CUTTERS SET

0630

Ölçüler / Dimensions

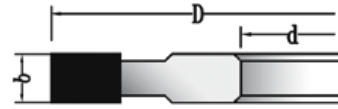
Kod / Art No	D	b	a	d	Z
0630-01	109	13	27	30	4
0630-02	109	5	-	30	4
0630-03	85	7	-	30	4



0630-01



0630-02



0630-03

SERT METAL PLAKETLİ RUSTİK ÇERÇEVE BİRLEŞTİRME FREZE BİÇAK GRUBU
T.C.T. TONGUE AND GROOVE CUTTER SET

Ölçüler / Dimensions

Kod / Art No	D	b	r1	d	Z
0640-01	109	13	7	30	4
0640-02	109	5	-	30	4
0640-03	85	7	-	30	4



0640-03



0640-02



0640-01

0640

0650

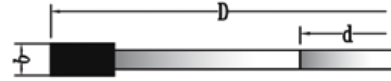
S. M. PLAKETLİ RUSTİK ÇERÇEVE BİRLEŞTİRME FREZE BİÇAK GRUBU
T.C.T. TONGUE AND GROOVE CUTTER SET

Ölçüler / Dimensions

Kod / Art No	D	b	r1	d	Z
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0650-02	109	5	-	30	4
0650-03	85	7	-	30	4



0650-01

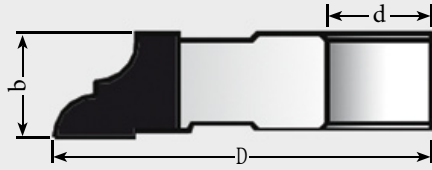


0650-02

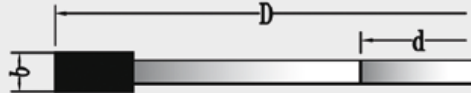


0650-03

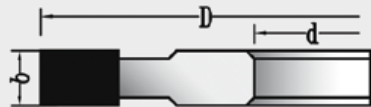
0655



0655-01



0655-02



0655-03

Ölçüler / Dimensions

Kod / Art No	D	b	r1	d	Z
0655-01	109	15	6	30	4
0655-02	109	5	-	30	4
0655-03	85	7	-	30	4



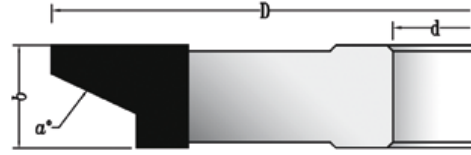
S.M. DELİKLİ PROFİLLER
RUSTİK KAPI - KONTER PROFİLLER
T.C.T. SINGLE AND COMBINATION CUTTERS

S. M. PLAKETLİ RUSTİK KAPI PROFİL FREZE BİÇAK GRUBU
T.C.T. TONGUE AND GROOVE CUTTERS SET FOR DOORS

0660

Ölçüler / Dimensions

Kod / Art No	D	b	α°	d	Z
0660-01	150	18	25	30	4
0660-02	160	12	-	30	4
0660-03	110	13	-	30	4
0660-04	150	18	25	30	4



0660-01



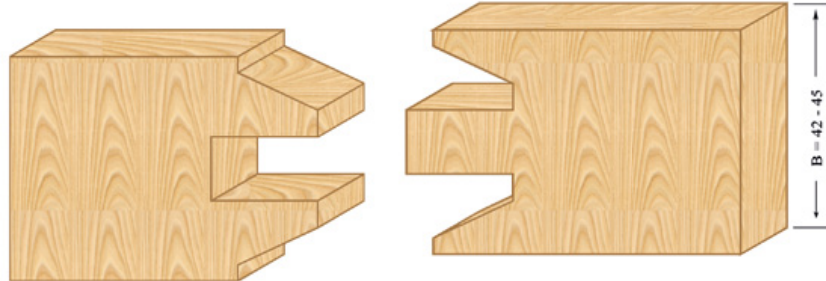
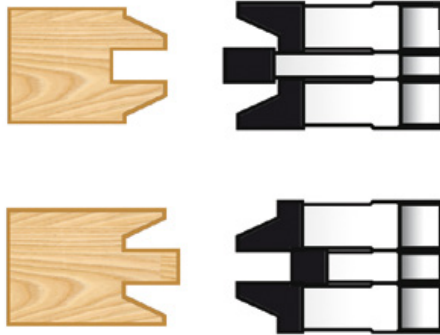
0660-02



0660-03



0660-04

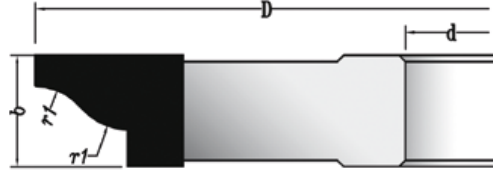


0670

S. M. PLAKETLİ RUSTİK KAPI PROFİL FREZE BİÇAK GRUBU
T.C.T. TONGUE AND GROOVE CUTTER SET FOR DOORS

Ölçüler / Dimensions

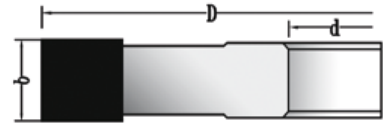
Kod / Art No	D	b	r1	d	Z
0670-01	150	18	10	30	4
0670-02	160	12	-	30	4
0670-03	110	13	-	30	4
0670-04	150	18	10	30	4



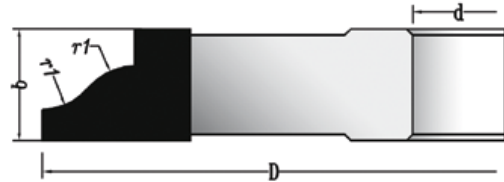
0670-01



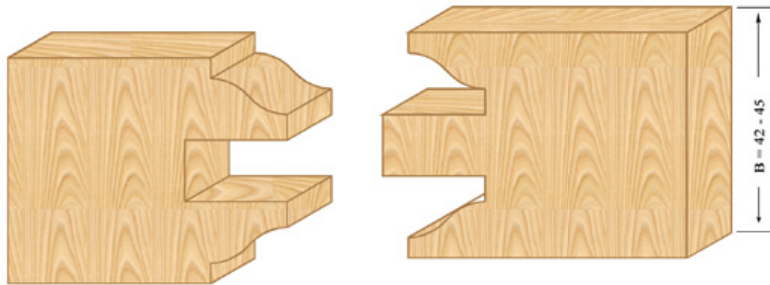
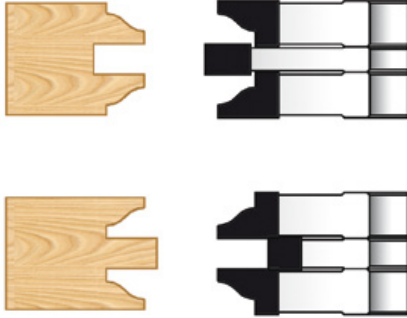
0670-02



0670-03



0670-04



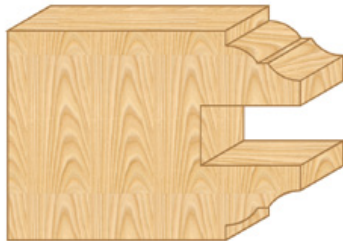
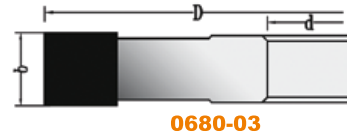
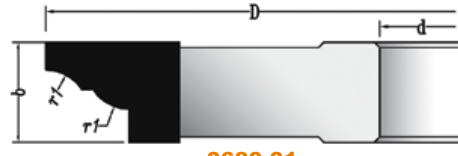
S.M. DELİKLİ PROFİLLER
RUSTİK KAPI - KONTER PROFİLLER
T.C.T. SINGLE AND COMBINATION CUTTERS

S. M. PLAKETLİ RUSTİK KAPI PROFİL FREZE BİÇAK GRUBU
T.C.T. TONGUE AND GROOVE CUTTERS SET FOR DOORS

0680

Ölçüler / Dimensions

Kod / Art No	D	b	r1	d	Z
0680-01	150	18	8	30	4
0680-02	160	12		30	4
0680-03	110	13		30	4
0680-04	150	18	8	30	4

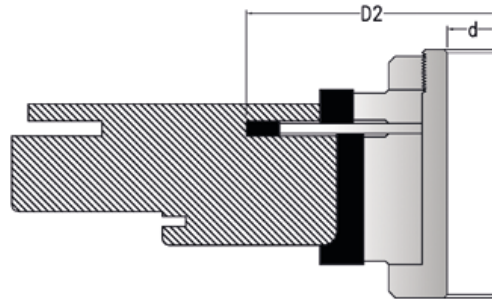
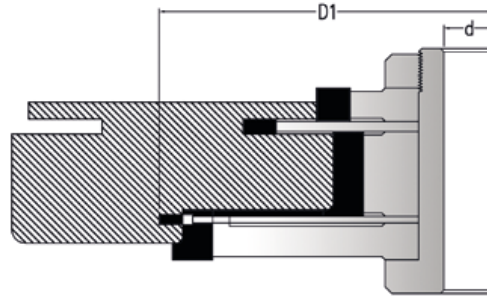
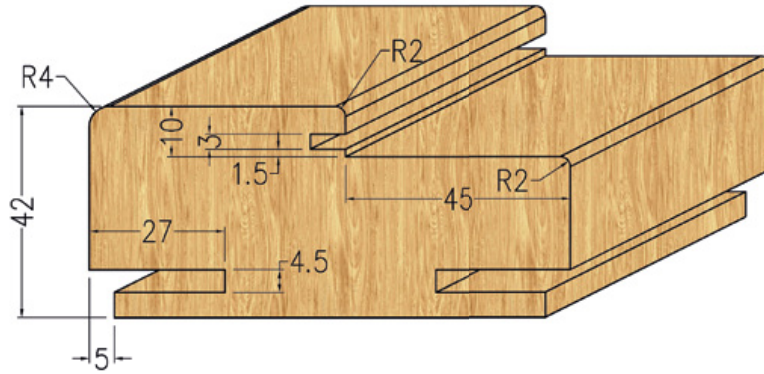


0685

S. M. PLAKETLİ KAPI KASASI PROFİL FREZE BİÇAK GRUBU
T.C.T. PROFILE ROUTER CUTTER FOR DOOR FRAME

Ölçüler / Dimensions

Kod / Art No	D1	D2	d	Z
0685-01	200	150	30	4+8+12

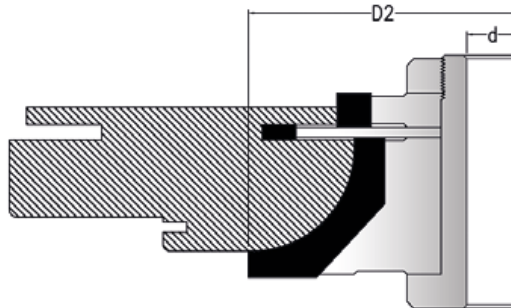
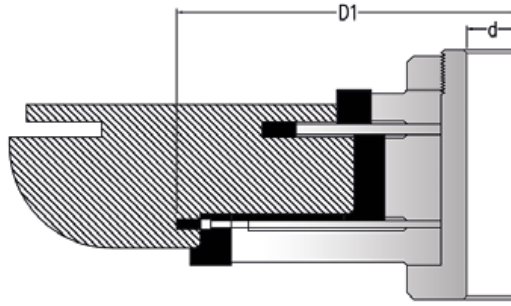
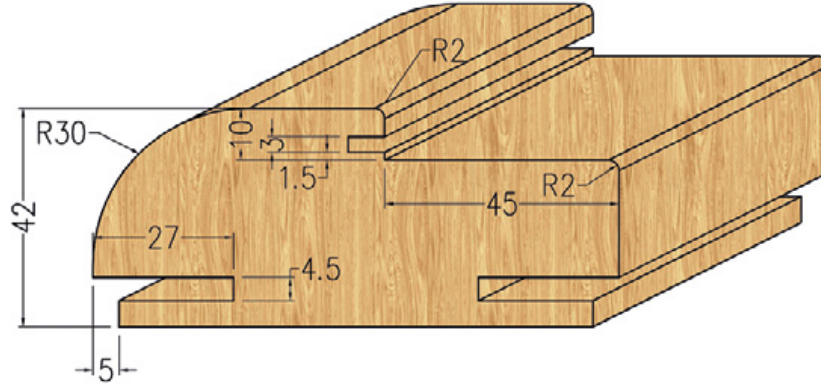


S. M. PLAKETLİ KAPI KASASI PROFİL FREZE BİÇAK GRUBU
T.C.T. PROFILE ROUTER CUTTER FOR DOOR FRAME

0685

Ölçüler / Dimensions

Kod / Art No	D1	D2	d	Z
0685-02	200	158	30	4+8+12



0690

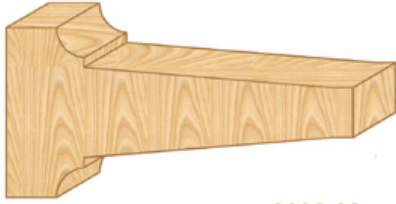
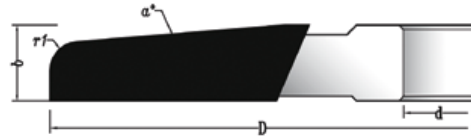
SERT METAL PLAKETLİ TABLA FREZE BİÇAKLARI
T.C.T. RAISED PANEL CUTTER

Ölçüler / Dimensions

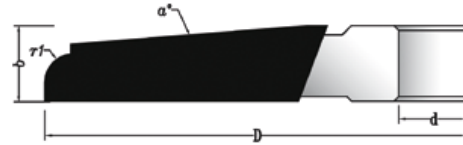
Kod / Art No	D	b	r1	r2	r3	α	d	Z
0690-01	180	16	6	-	-	5	30	3
0690-02	180	16	6	-	-	5	30	3
0690-03	180	16	6	71	45,5	-	30	3
0690-04	180	19	5	5	47	-	30	3



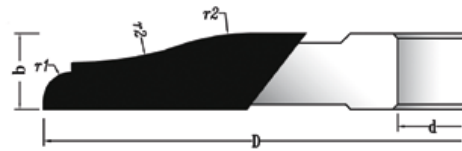
0690-01



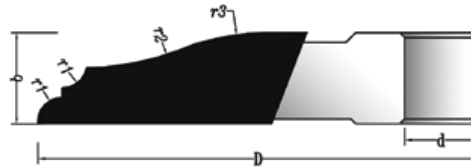
0690-02



0690-03



0690-04



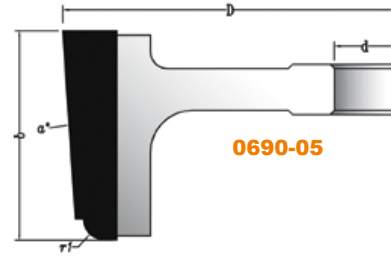
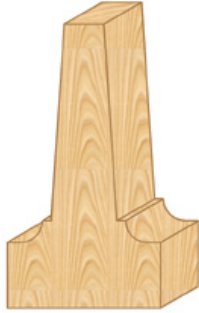
SM. DELİKLİ PROFİLLER
RUSTİK KAPI - KONTER PROFİLLER
T.C.T. SINGLE AND COMBINATION CUTTERS

SERT METAL PLAKETLİ TABLA FREZE BİÇAKLARI
T.C.T. RAISED PANEL CUTTER

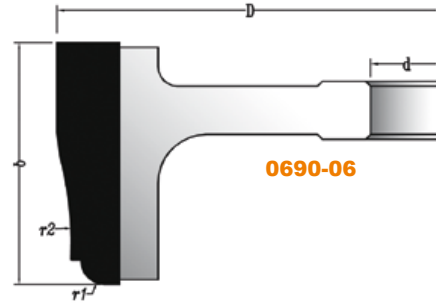
0690

Ölçüler / Dimensions

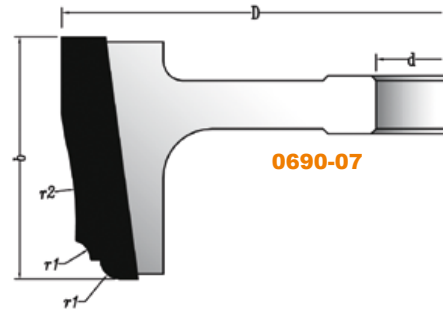
Kod / Art No	D	b	r1	r2	r3	a	d	Z
0690-05	160	50	5	-	-	4	30	4
0690-06	160	50	5	68	54	-	30	4
0690-07	160	50	4	68	54	-	30	4



0690-05



0690-06



0690-07

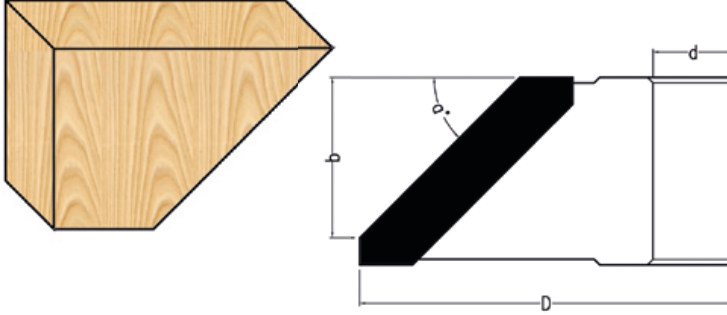
0695

SERT METAL PLAKETLİ 45° PROFİL FREZE BİÇAKLARI

T.C.T. 45° PROFILE ROUTER CUTTER

Ölçüler / Dimensions

Kod / Art No	D	b	α°	d	Z
0695-01	140	30	45	30	3

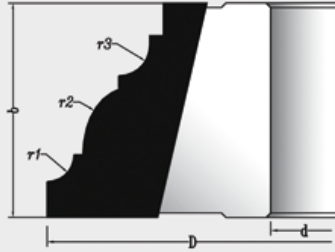


SERT METAL PLAKETLİ PROFİL FREZE BİÇAĞI

T.C.T. PROFILE CUTTER BLOCK

Ölçüler / Dimensions

Kod / Art No	D	b	r1	r2	r3	d	Z
0700-01	130	48	6	10,5	7	30	3

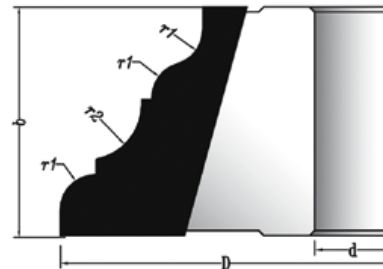
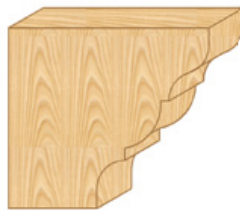


SERT METAL PLAKETLİ PROFİL FREZE BİÇAĞI

T.C.T. PROFILE CUTTER BLOCK

Ölçüler / Dimensions

Kod / Art No	D	b	r1	r2	d	Z
0705-01	130	45	7	11	30	3



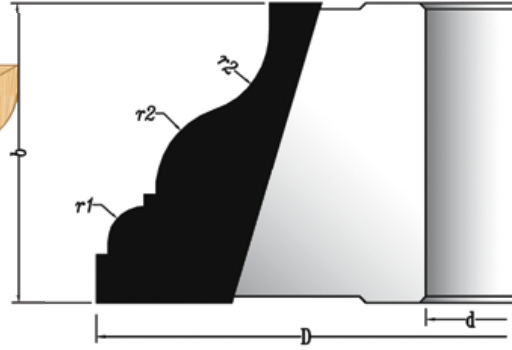
SM. DELİKLİ PROFİLLER
RUSTİK KAPI - KONTER PROFİLLER
T.C.T. SINGLE AND COMBINATION CUTTERS

SERT METAL PLAKETLİ PROFİL FREZE BİÇAĞI
T.C.T. PROFILE CUTTER BLOCK

0710

Ölçüler / Dimensions

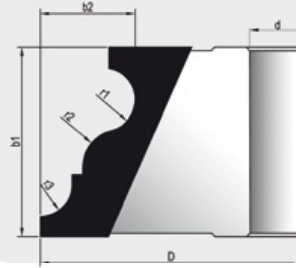
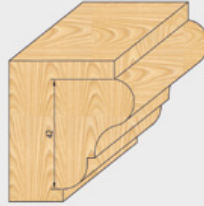
Kod / Art No	D	b	r1	r2	d	Z
0710-01	140	50	6	14	30	3



SERT METAL PLAKETLİ PROFİL FREZE BİÇAĞI
T.C.T. PROFILE CUTTER BLOCK

Ölçüler / Dimensions

Kod / Art No	D	d	b1	b2	R1	R2	R3	Z
0711-01	150	30	54	30,5	9	7,5	8	3

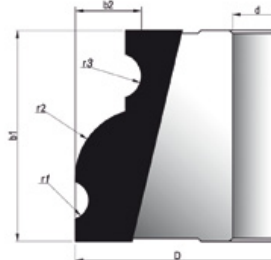


0711

SERT METAL PLAKETLİ PROFİL FREZE BİÇAĞI
T.C.T. PROFILE CUTTER BLOCK

Ölçüler / Dimensions

Kod / Art No	D	d	b1	b2	R1	R2	R3	Z
0712-01	130	30	68	21	6,3	22,5	7,4	3



0712

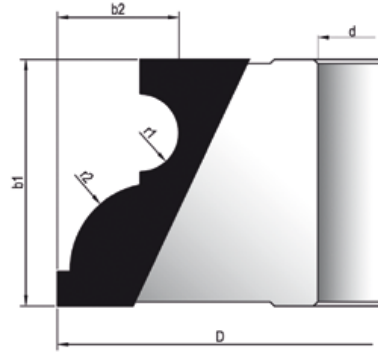
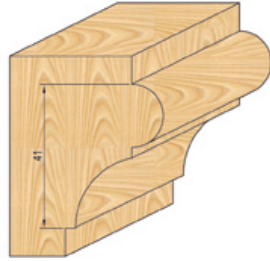
0713

SERT METAL PLAKETLİ PROFİL FREZE BIÇAKLARI

T.C.T. PROFILE CUTTER BLOCK

Ölçüler / Dimensions

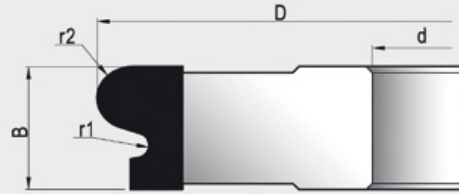
Kod / Art No	D	d	b1	b2	R1	R2	Z
0713-01	150	30	57	32	9	18	3



0714

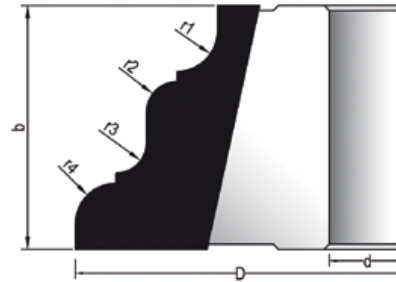
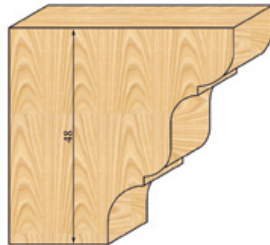
Ölçüler / Dimensions

Kod / Art No	D	b	r1	r2	d	Z
0714-01	100	20	2	5	30	4



Ölçüler / Dimensions

Kod / Art No	D	b	r1	r2	r3	r4	d	Z
0715-01	130	48	8	6	6	8	30	3



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T.C.T. SINGLE AND COMBINATION CUTTERS

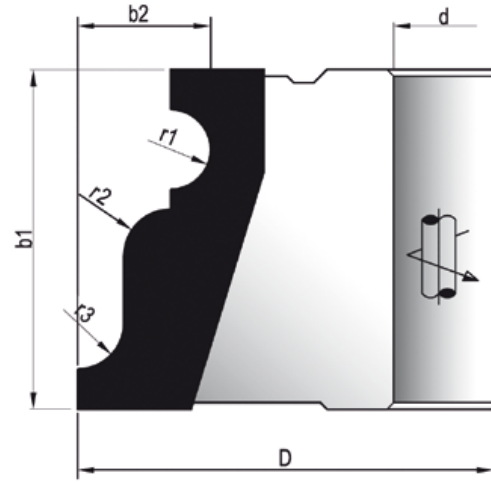
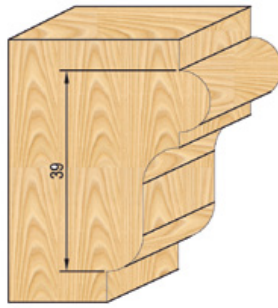
0715

SERT METAL PLAKETLİ PROFİL FREZE BİÇAĞI
T.C.T. PROFILE ROUTER CUTTERS

0716

Ölçüler / Dimensions

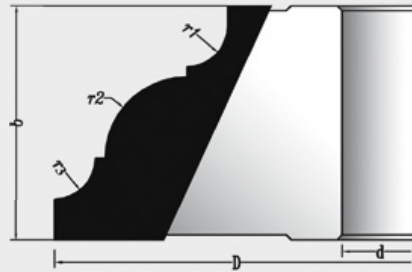
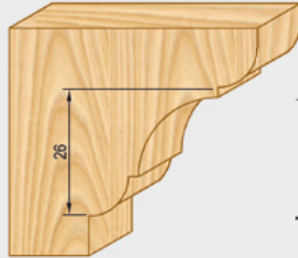
Kod / Art No	D	d	b1	b2	R1	R2	R3	Z
0716-01	125	30	50	20	6	7	7	3



SERT METAL PLAKETLİ PROFİL FREZE BİÇAĞI
T.C.T. PROFILE CUTTER BLOCK

Ölçüler / Dimensions

Kod / Art No	D	b	r1	r2	r3	d	Z
0720-01	143	46	8	16	8	30	3



0720

0721

SERT METAL PLAKETLİ PROFİL FREZE BİÇAKLARI T.C.T. PROFILE CUTTER BLOCK

Ölçüler / Dimensions

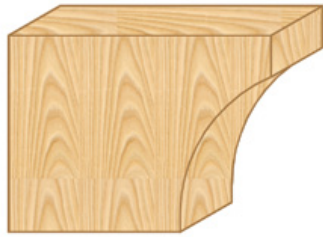
Kod / Art No	D	b	r1	d	Z
0721-01	120	18	15	30	3
0721-02	120	23	20	30	3
0721-03	130	28	25	30	3
0721-04	130	32.5	30	30	3



0721-01



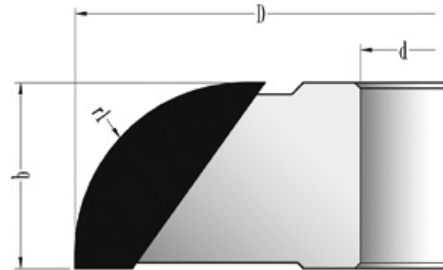
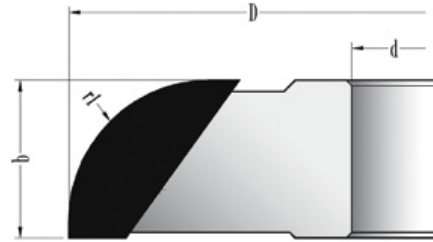
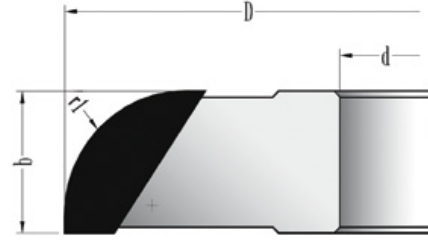
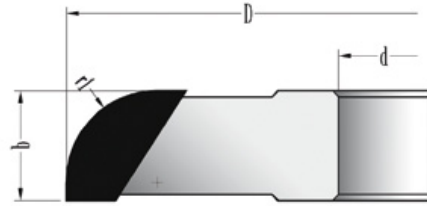
0721-02



0721-03



0721-04



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T.C.T. SINGLE AND COMBINATION CUTTERS

SERT METAL PLAKETLİ ÇITA FREZE BİÇAĞI
T.C.T. PROFILE CUTTER BLOCK

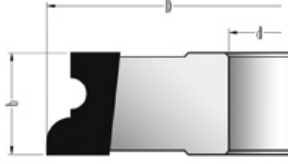
0722

Ölçüler / Dimensions

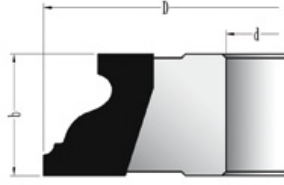
Kod / Art No	D	b	d	Z
0722-01	120	25	30	3
0722-02	120	30	30	3
0722-03	120	26	30	3
0722-04	120	30	30	3
0722-05	120	27	30	3



0722-01



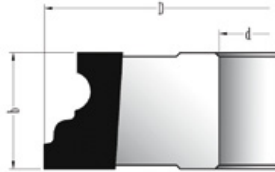
0722-02



0722-03



0722-04



0722-05

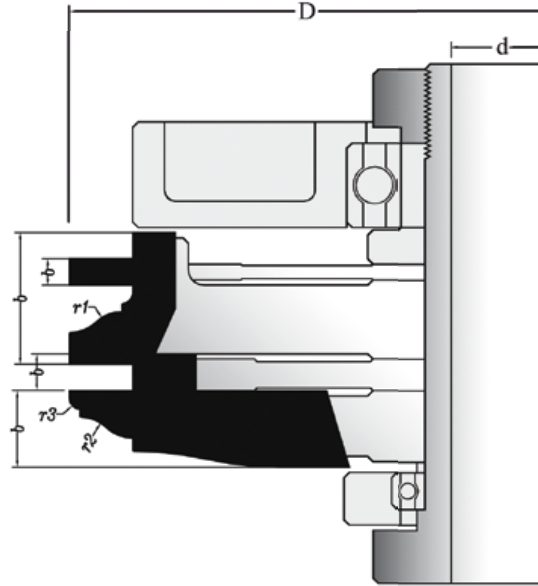
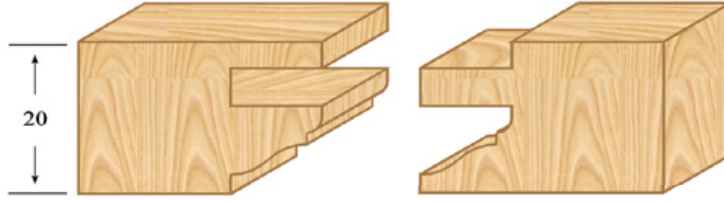


0725

S. M. PLAKETLİ RUSTİK ÇERÇEVE BİRLEŞTİRME FREZE BİÇAK GRUBU
T.C.T. TONGUE AND GROOVE CUTTER SET

Ölçüler / Dimensions

Kod / Art No	D	b	r1	r2	r3	d	Z
0725-01	180	14,5	66	7,25	5	35-30	3
0725-02	156	8	-	-	-	35-30	3
0725-03	180	25	7,25	-	-	35-30	3
0725-04	180	5	-	-	-	-	-



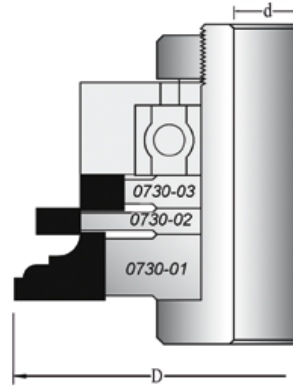
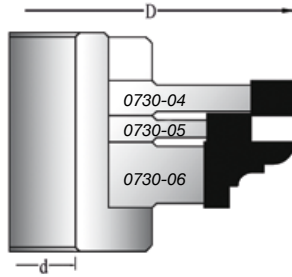
SM. DELİKLİ PROFİLLER
RUSTİK KAPI - KONTER PROFİLLER
T.C.T. SINGLE AND COMBINATION CUTTERS

S. M. PLAKETLİ RUSTİK ÇERÇEVE BİRLEŞTİRME FREZE BİÇAK GRUBU
T.C.T. TONGUE AND GROOVE CUTTER SET

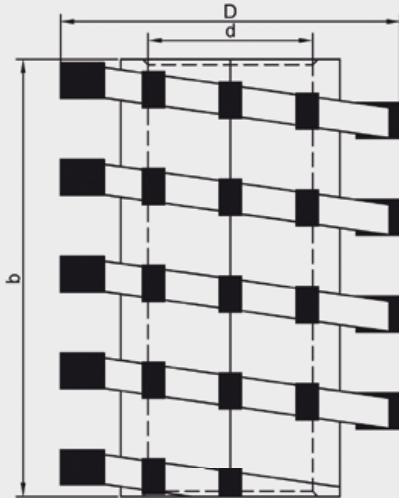
0730

Ölçüler / Dimensions

Kod / Art No	D	b	r1	r2	d	Z
0730-01	130	15,5	3	5	30	4
0730-02	120	6	-	-	30	4
0730-03	100	8	-	-	30	4
0730-04	130	8	-	-	30	4
0730-05	110	7	-	-	30	4
0730-06	130	15	3	5	30	4



SERT METAL PLAKETLİ KIRICI DİŞLİ TEMİZLEME BİÇAKLARI
T.C.T. COPYING JOINING CUTTERS



0733-01/09

Ölçüler / Dimensions

Kod / Art No	D	b	d	Z
0733-01	62	80	30	8
0733-02	80	60	30	8
0733-03	80	80	30	8
0733-04	80	100	30	8
0733-05	80	150	30	8
0733-06	100	100	30	10
0733-07	120	100	30	12
0733-08	120	120	30	12
0733-09	120	120	30	16



0733

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RUSTİK KAPI - KONTER PROFİLLER 169
T.C.T. SINGLE AND COMBINATION CUTTERS

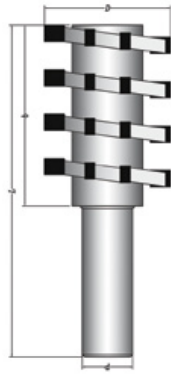
0733

S. M. VE SS HELİS VEYA DÜZ AĞIZLI, KIRICI DİŞLİ T. BİÇAKLARI

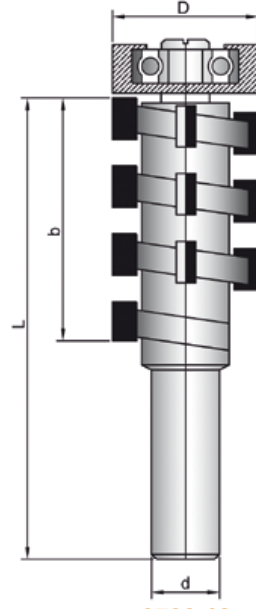
T.C.T. OR SS COPYING-JOINING CUTTERS

Ölçüler / Dimensions

Kod / Art No	D	b	L	d	Z
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0733-11	50	72	132	20	6
0733-12	50	50	95	14	4



0733-011

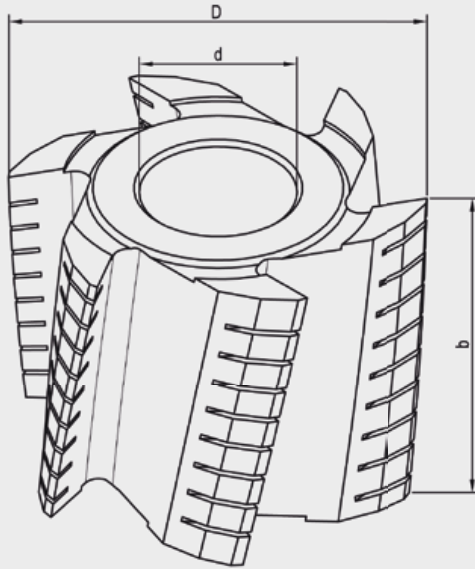


0733-12

HSS HELİS KIRICILI VE DÜZ AĞIZLI TEMİZLEME

HSS COPYING - JOINING CUTTERS

0734



Ölçüler / Dimensions

Kod / Art No	D	b	d	Z
0734-01	80	60	30	6
0734-02	80	80	30	6
0734-03	80	100	30	6



SM. DELİKLİ PROFİLLER
RUSTİK KAPI - KONTER PROFİLLER

T.C.T. SINGLE AND COMBINATION CUTTERS

SERT METAL PLAKETLİ KÜPEŞTE BİÇAKLARI
T.C.T. HANDRAIL CUTTER BLOCK

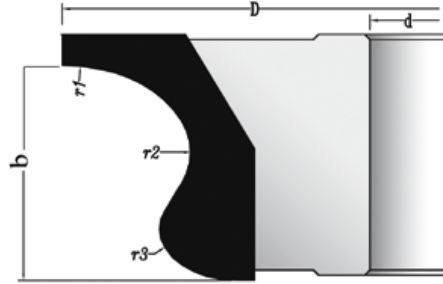
0735

Ölçüler / Dimensions

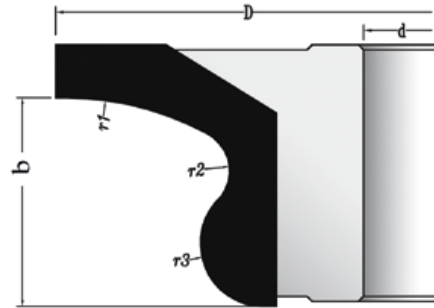
Kod / Art No	D	b	r1	r2	r3	d	Z
0735-01	150	42	36	11.8	6.8	30	3
0735-02	150	40,7	57	8.25	12.3	30	3



0735-01



0735-02



NOTLAR
NOTICE

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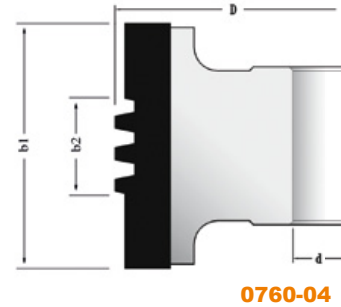
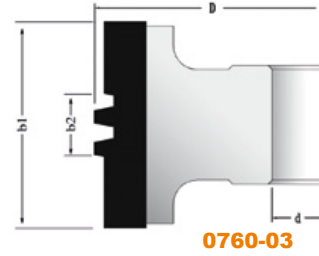
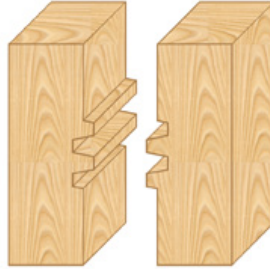
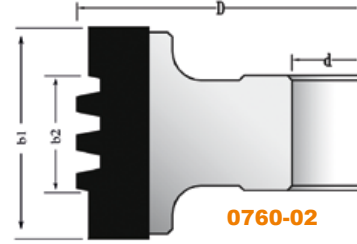
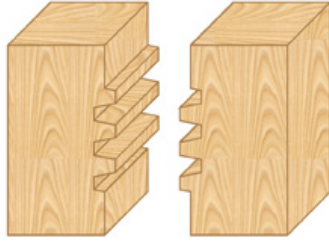
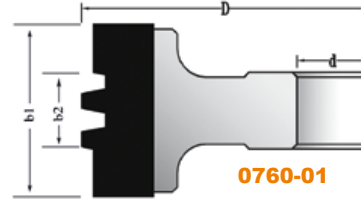
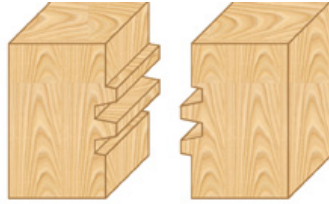
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0760

SERT METAL PLAKETLİ EN EKLEME BİÇAKLARI
T.C.T. -HM GLUE JOINT CUTTER BLOCK

Ölçüler / Dimensions

Kod / Art No	D	b1	b2	d	Z
0760-01	120	36	16	30	3
0760-02	120	44	24	30	3
0760-03	120	52	16	30	3
0760-04	120	62	24	30	3

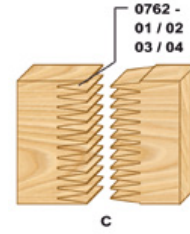
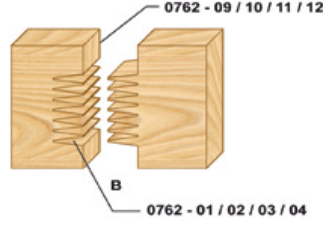
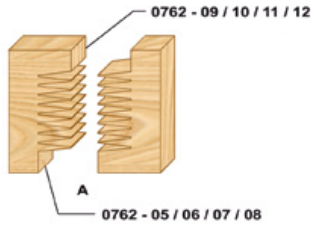
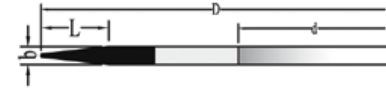
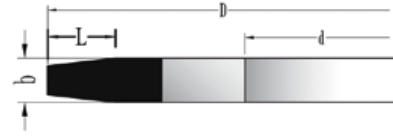


SERT METAL PLAKETLİ BOY EKLEME BİÇAKLARI
T.C.T. -HM FINGER JOINT CUTTER BLOCK

0762

Ölçüler / Dimensions

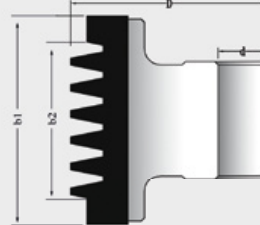
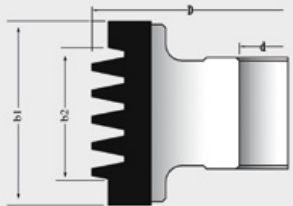
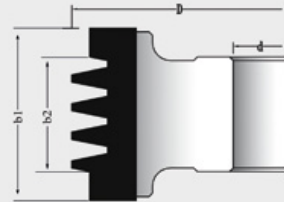
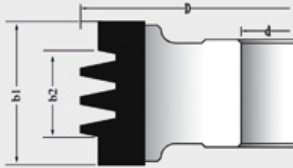
Kod / Art No	D	b	L	d	Z
0762-01	160	4	10/11	50	2
0762-02	160	4	10/11	70	4
0762-03	160	4	10/11	70	6
0762-04	250	3.8	10/11	70	6
0762-05	160	11	10	50	2
0762-06	160	11	10	70	4
0762-07	160	11	10	70	6
0762-08	250	11	10	70	6
0762-09	138	11	5	50	2
0762-10	138	11	5	70	4
0762-11	138	11	5	70	6
0762-12	228	11	5	70	6



SERT METAL PLAKETLİ BOY EKLEME BİÇAKLARI
T.C.T. -HM GLUE JOINT CUTTER BLOCK

Ölçüler / Dimensions

Kod / Art No	D	b1	b2	d	Z
0765-01	120	40	24	30	3
0765-02	120	48	32	30	3
0765-03	120	56	40	30	3
0765-04	120	64	48	30	3

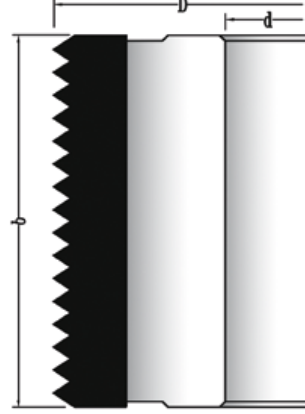


0765

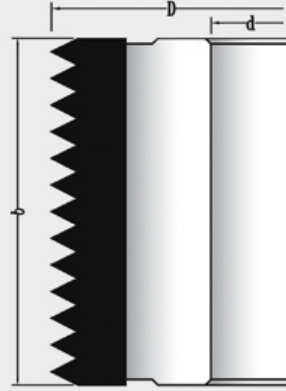
T.C.T. -HM GLUE JOINT CUTTER BLOCK

Ölçüler / Dimensions

Kod / Art No	D	b	d	Z
0766-01	90	65	30	4
0766-02	90	85	30	4



0767



Ölçüler / Dimensions

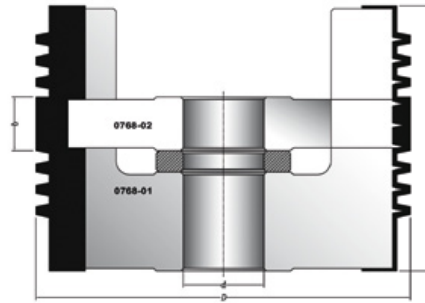
Kod / Art No	D	b	d	Z
0767-01	90	65	30	4
0767-02	90	85	30	4

SERT METAL PLAKETLİ AYARLI EKLEME BİÇAĞI

T.C.T. ADJUSTABLE GLUE JOINT CUTTER BLOCK

Ölçüler / Dimensions

Kod / Art No	D	b	d	Z
0768-01	140	99	30	3
0768-02	140	20	30	3



SM. EN - BOY VE EN EKLEME BİÇAKLARI

T.C.T. GLUE JOINT CUTTER BLOCK

0768

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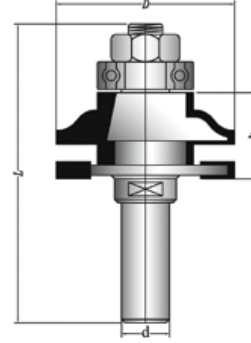
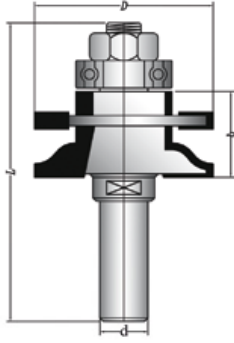
0770

SERT METAL PLAKETLİ RUSTİK ÇERÇEVE BİÇAKLARI

T.C.T. FRAME JOINTING CUTTERS

Ölçüler / Dimensions

Kod / Art No	D	b	orta kanal/middle groove	L	d	Z
0770-01	52	25	5	87	14	2

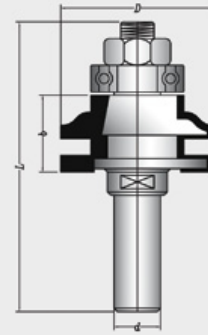
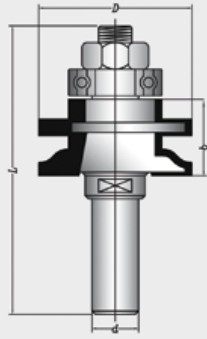


SERT METAL PLAKETLİ RUSTİK ÇERÇEVE BİÇAKLARI

T.C.T. FRAME JOINTING CUTTERS

Ölçüler / Dimensions

Kod / Art No	D	b	orta kanal/middle groove	L	d	Z
0775-01	46	23	5	85	14	2



0775



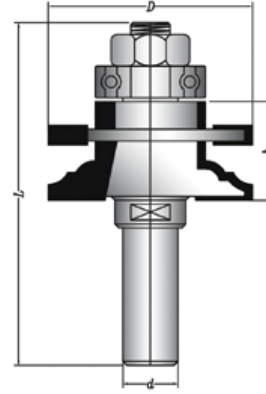
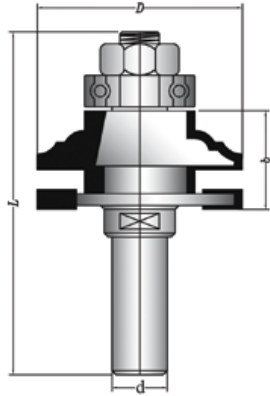
SM. RUSTİK ÇERÇEVE VE KAPAK EKLEME GRUP BİÇAKLARI
T.C.T. PROFILE AND COUNTER PROFILE SETS

SERT METAL PLAKETLİ RUSTİK ÇERÇEVE BİÇAKLARI
T.C.T. FRAME JOINTING CUTTERS

0780

Ölçüler / Dimensions

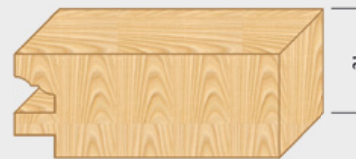
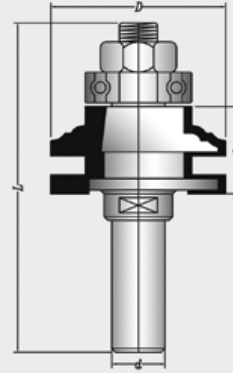
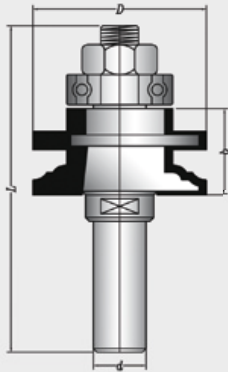
Kod / Art No	D	b	orta kanal/middle groove	L	d	Z
0780-01	52	25	5	87	14	2



SERT METAL PLAKETLİ RUSTİK ÇERÇEVE BİÇAKLARI
T.C.T. FRAME JOINTING CUTTERS

Ölçüler / Dimensions

Kod / Art No	D	b	orta kanal/middle groove	L	d	Z
0785-01	46	23	5	85	14	2



0785

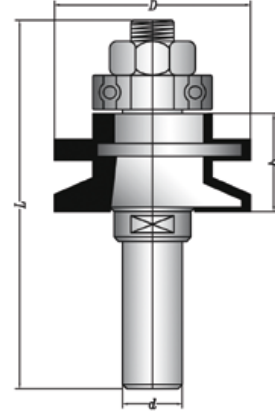
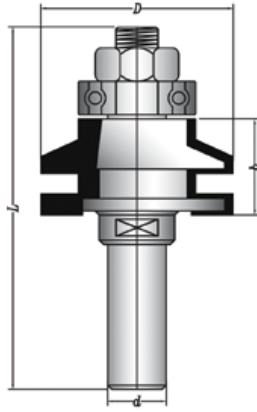
0790

SERT METAL PLAKETLİ RUSTİK ÇERÇEVE BİÇAKLARI

T.C.T. FRAME JOINTING CUTTERS

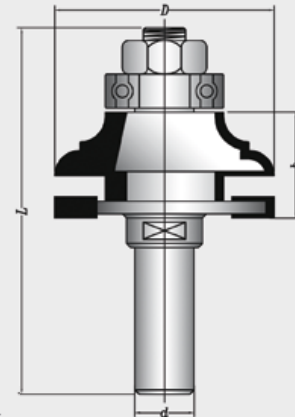
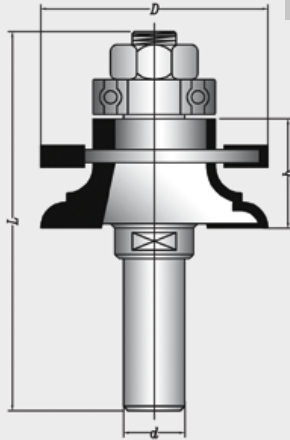
Ölçüler / Dimensions

Kod / Art No	D	b	orta kanal/middle groove	L	d	Z
0790-01	46	23	5	85	14	2



Ölçüler / Dimensions

Kod / Art No	D	b	orta kanal/middle groove	L	d	Z
0790-01	52	25	5	87	14	2



0790



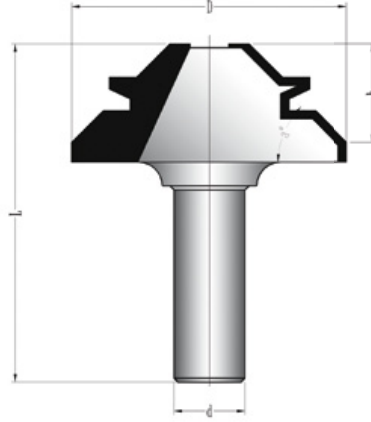
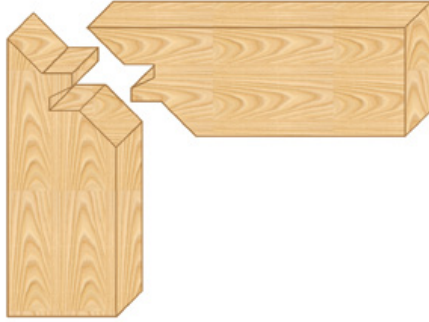
SM. RUSTİK ÇERÇEVE VE KAPAK EKLEME GRUP BİÇAKLARI
T.C.T. PROFILE AND COUNTER PROFILE SETS

SERT METAL PLAKETLİ 45° EKLEME BİÇAKLARI
T.C.T. 45° FRAME JOINTING CUTTERS

0796

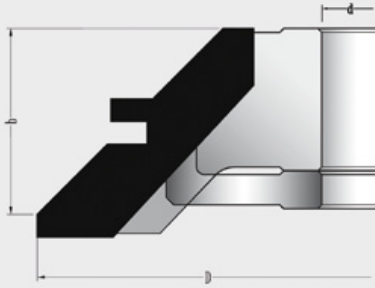
Ölçüler / Dimensions

Kod / Art No	D	b	L	α°	d	Z
0796-01	70	25	86	45	14-20	3
0796-02	80	30	91	45	14-20	3



Ölçüler / Dimensions

Kod / Art No	D	b	a	d	Z
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0797-02	150	30	45	30	4

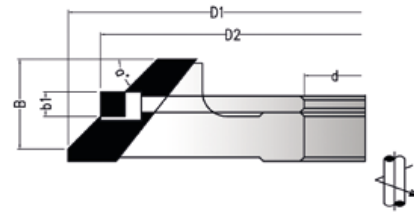
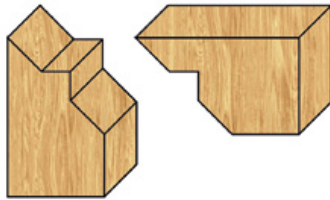


1670

8670

Ölçüler / Dimensions

Kod / Art No	D1	D2	B	b1	α°	d	Z
0798-01	146	130	22	6	45	30	4



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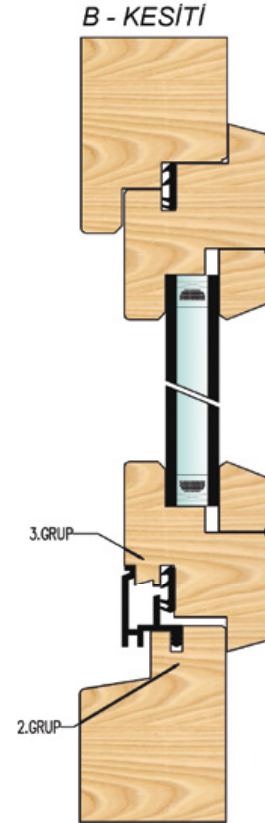
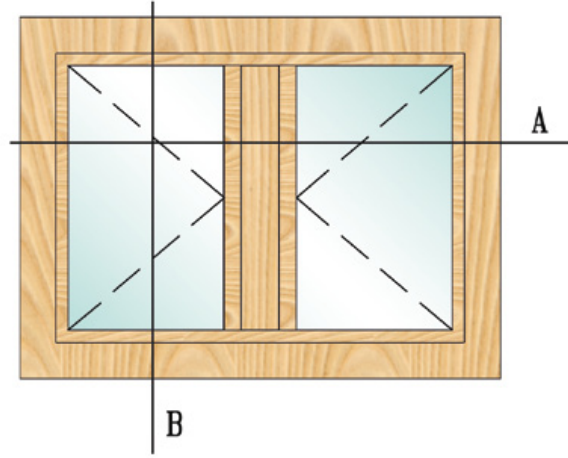
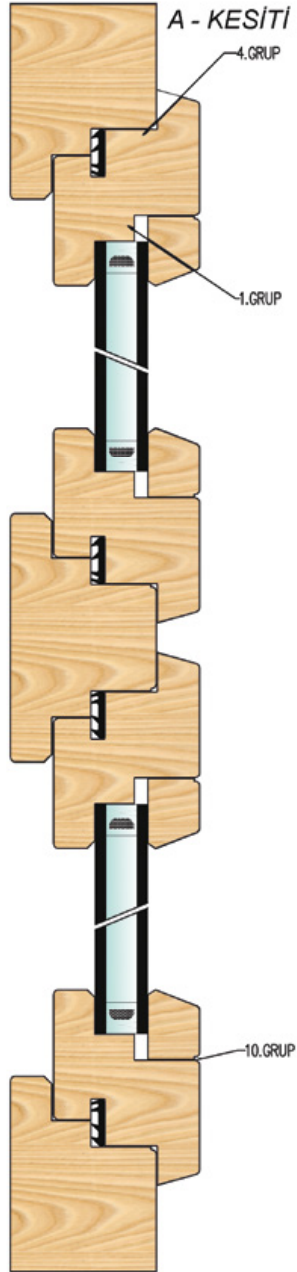
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0800

SERT METAL PLAKETLİ PENCERE DOĞRAMA BIÇAKLARI (56X75)

T.C.T CUTTERS BLOCK FOR WINDOW (56x75)

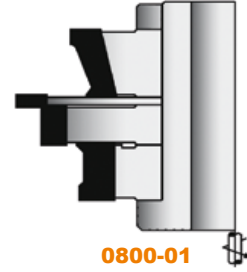


SERT METAL PLAKETLİ PENCERE DOĞRAMA BİÇAKLARI (56X75)
T.C.T. CUTTERS BLOCKS FOR WINDOW (56x75)

0800



HM Z-4 D:Ø 174 d:Ø35



0800-01



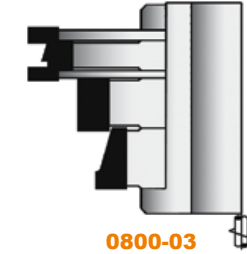
HM Z-4 D:Ø 170 d:Ø35



0800-02



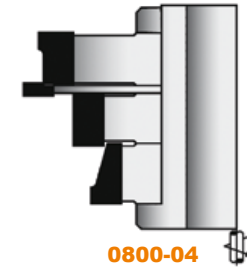
HM Z-4 D:Ø 170 d:Ø35



0800-03



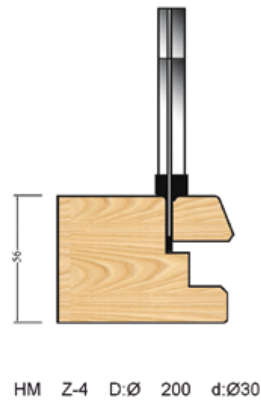
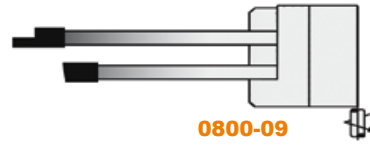
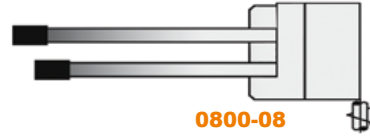
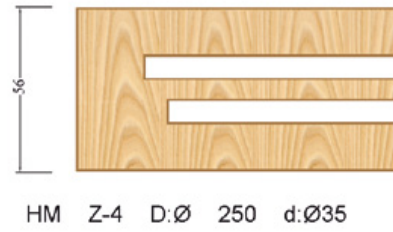
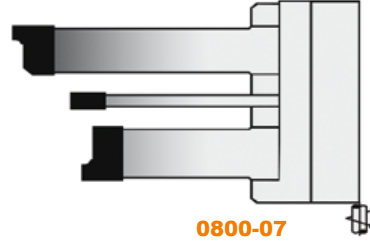
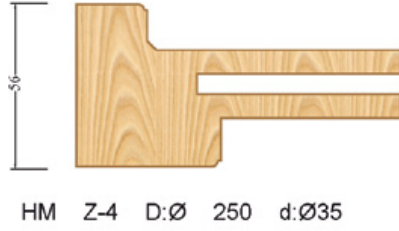
HM Z-4 D:Ø 170 d:Ø35



0800-04

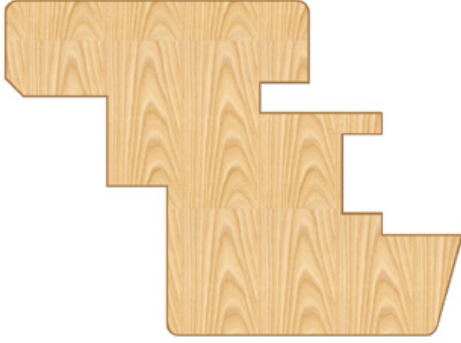
0800

SERT METAL PLAKETLİ PENCERE DOĞRAMA BİÇAKLARI (56X75)
T.C.T CUTTERS BLOCK FOR WINDOW (56x75)



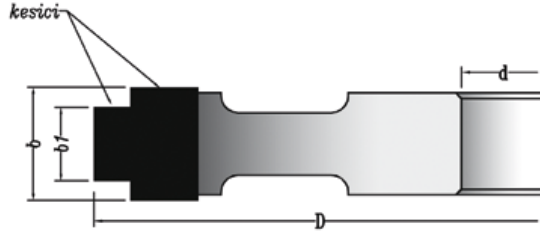
SERT METAL PLAKETLİ İSPANOLET BİÇAĞI
T.C.T. CUTTERS BLOCKS FOR WINDOW

0810



Ölçüler / Dimensions

Kod / Art No	D	b	b1	d	Z
0810-01	160	20	13	30	3+3
0810-02	160	16	13	30	3+3



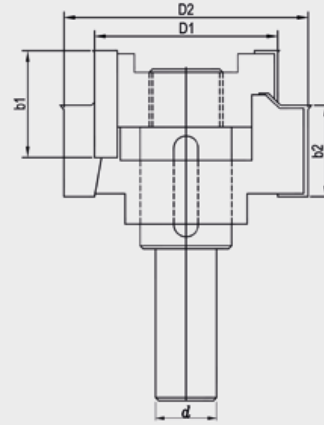
0810-01

0810

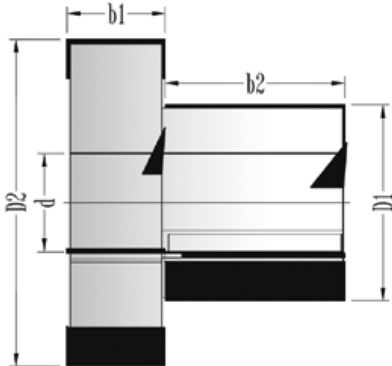
SERT METAL PLAKETLİ ERKEK ZIVANA BİÇAĞI
T.C.T. GROOVING CUTTER

Ölçüler / Dimensions

Kod / Art No	D1	b1	D2	b2	d	V	Z
0815-01	60	35	80	30	20	3+3	3



SERT METAL PLAKETLİ ZIVANA BİÇAĞI
T.C.T. TEONING CUTTER



Ölçüler / Dimensions

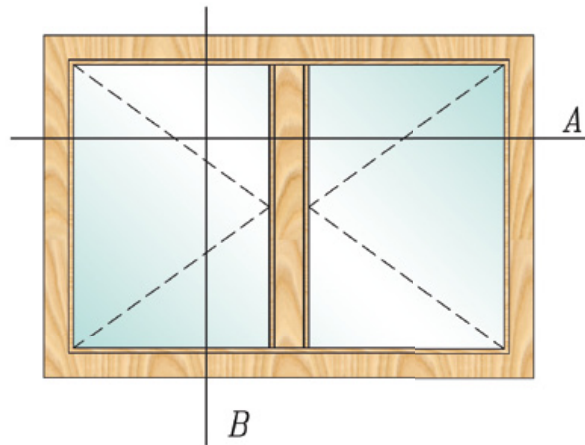
Kod / Art No	D1	b1	D2	b2	d	V	Z
0820-01	90,4	32	130	0-55	30	3+6	3+3



0820

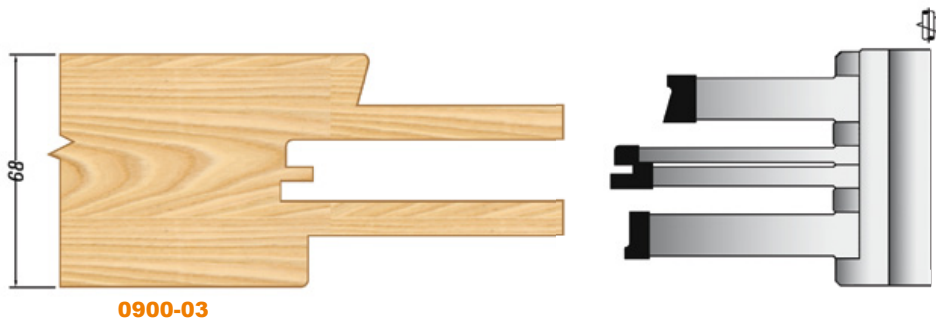
SERT METAL PLAKETLİ PENCERE DOĞRAMA BIÇAKLARI (68X90)
T.C.T CUTTERS BLOCKS FOR WINDOW (68x90)

SERT METAL PLAKETLİ PENCERE DOĞRAMA BİÇAKLARI (68X90)



SERT METAL PLAKETLİ PENCERE DOĞRAMA BIÇAKLARI (68X90)
T.C.T CUTTERS BLOCKS FOR WINDOW (68x90)

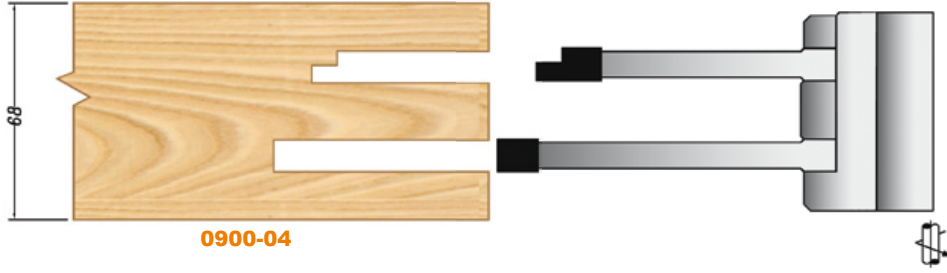
0900



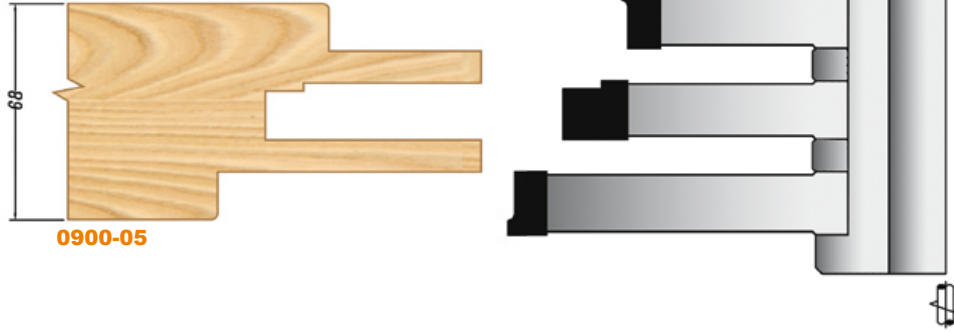
0900

SERT METAL PLAKETLİ PENCERE DOĞRAMA BIÇAKLARI (68X90)

T.C.T CUTTERS BLOCKS FOR WINDOW (68x90)



0900-04



0900-05



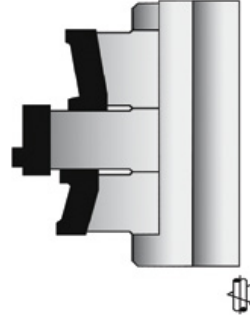
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SERT METAL PLAKETLİ PENCERE DOĞRAMA BIÇAKLARI (68X90)
T.C.T CUTTERS BLOCKS FOR WINDOW (68x90)

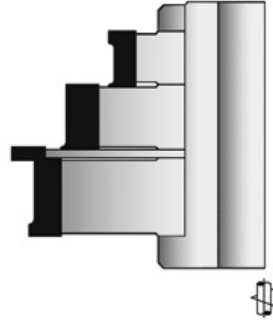
0900



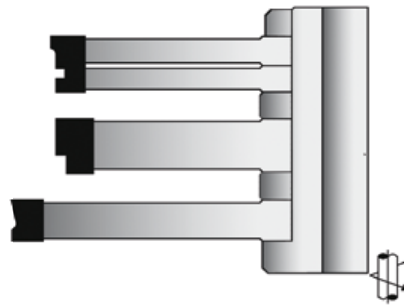
0900-07



0900-08



0900-09

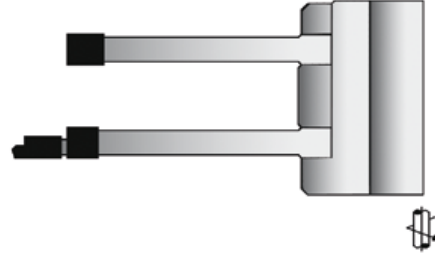


0900

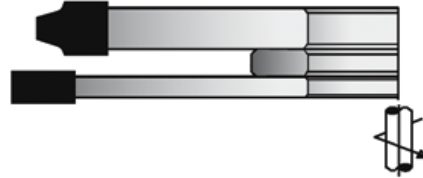
SERT METAL PLAKETLİ PENCERE DOĞRAMA BİÇAKLARI (68X90)
T.C.T CUTTERS BLOCKS FOR WINDOW (68x90)



0900-10



0900-11



0900-12



SERT METAL PLAKETLİ PENCERE DOĞRAMA BIÇAKLARI (68X90)
T.C.T CUTTERS BLOCKS FOR WINDOW (68x90)

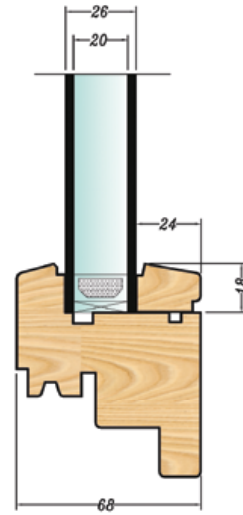
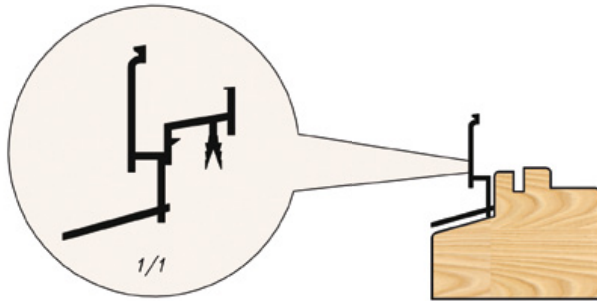
0900



0900-13

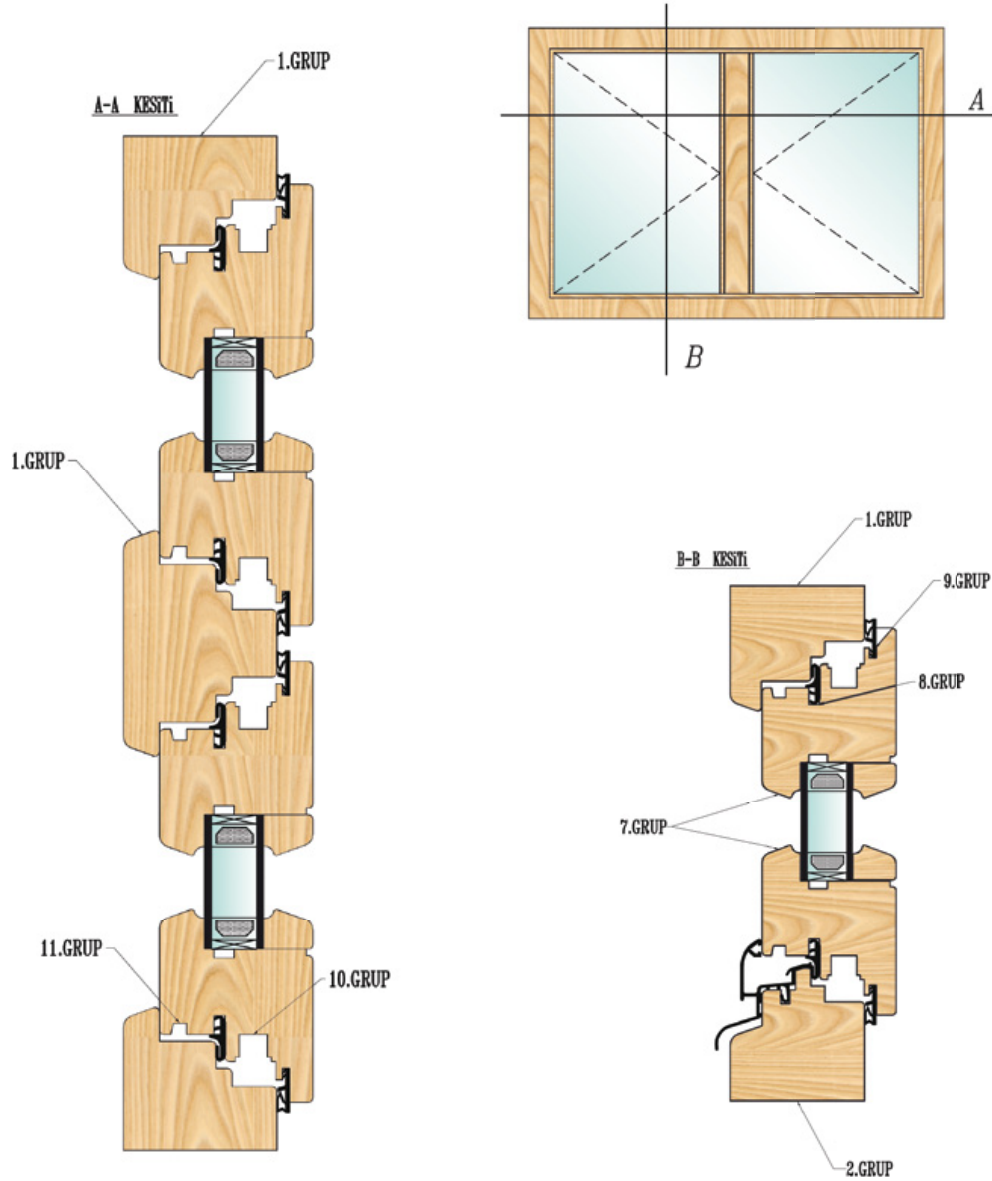


0900-14



0920

SERT METAL PLAKETLİ PENCERE DOĞRAMA BİÇAKLARI (68X90)
T.C.T CUTTERS BLOCKS FOR WINDOW (68x90)

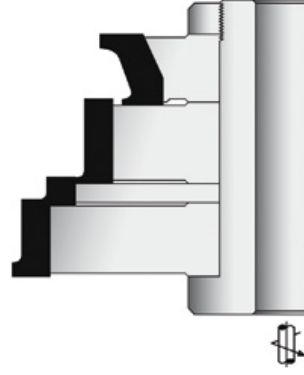


SERT METAL PLAKETLİ PENCERE DOĞRAMA BİÇAKLARI (68X90)
T.C.T CUTTERS BLOCKS FOR WINDOW (68x90)

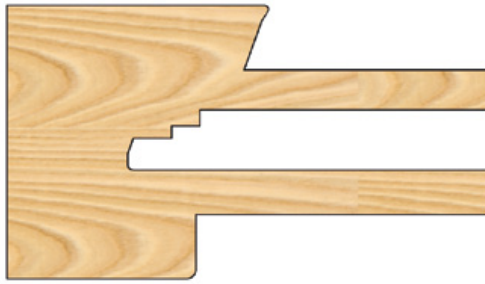
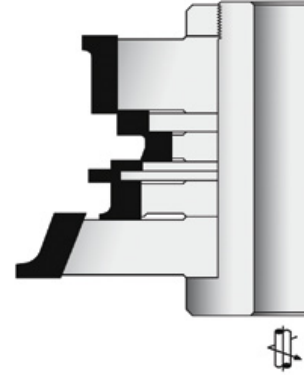
0920



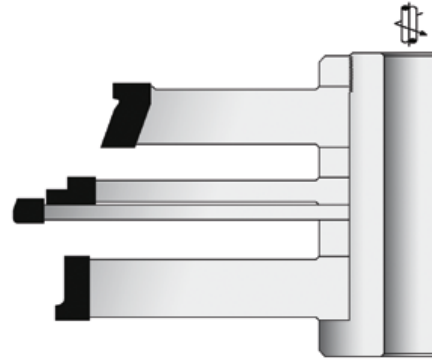
0920-01



0920-02

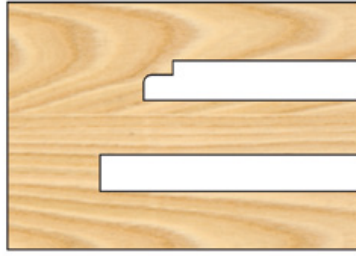


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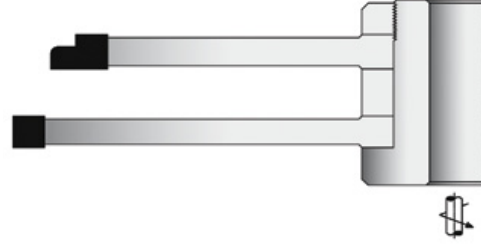


0920

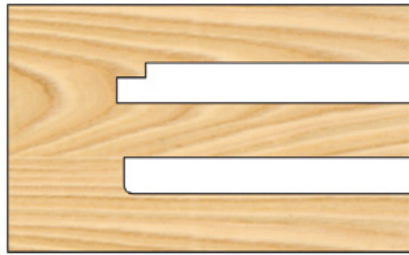
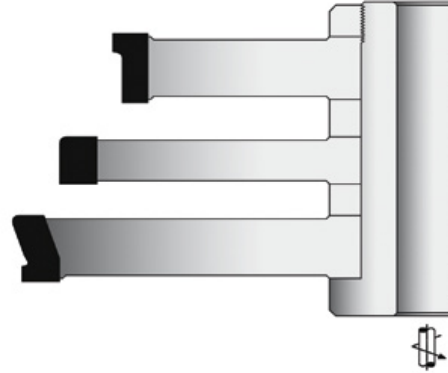
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T.C.T CUTTERS BLOCKS FOR WINDOW (68x90)



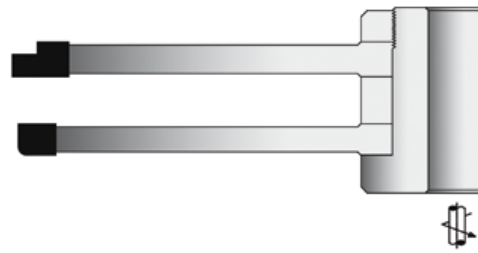
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0920-05



0920-06

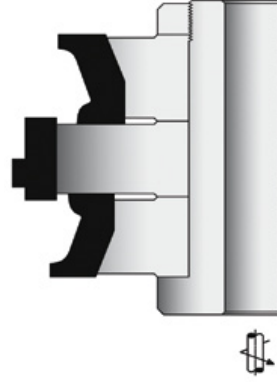


SERT METAL PLAKETLİ PENCERE DOĞRAMA BIÇAKLARI (68X90)
T.C.T CUTTERS BLOCKS FOR WINDOW (68x90)

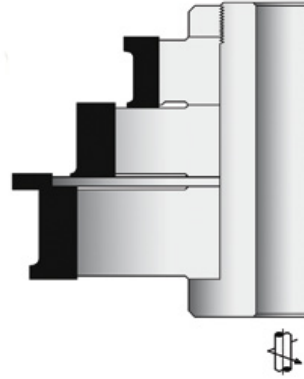
0920



0920-07



0920-08



0920-09



0920

SERT METAL PLAKETLİ PENCERE DOĞRAMA BİÇAKLARI (68X90)
T.C.T CUTTERS BLOCKS FOR WINDOW (68x90)



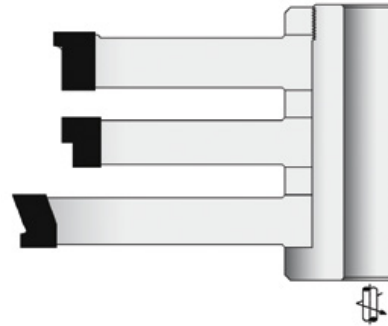
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0920-11



0920-12

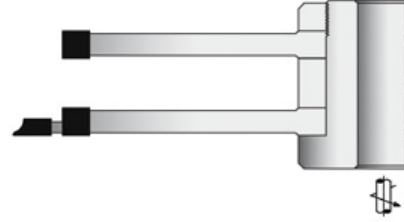


SERT METAL PLAKETLİ PENCERE DOĞRAMA BİÇAKLARI (68X90)
T.C.T CUTTERS BLOCKS FOR WINDOW (68x90)

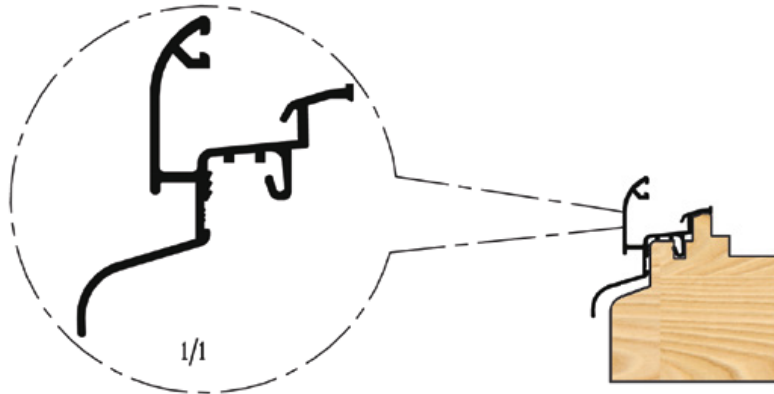
0920



0920-13



0920-14



NOTLAR
NOTICE

...../...../.....

[illegible]

İÇİNDEKİLER

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NOTLAR
NOTICE

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This image shows a full page of white paper with horizontal dotted lines. The lines are evenly spaced and run across the width of the page, providing a guide for handwriting or typing. There are no margins, text, or other markings on the page.

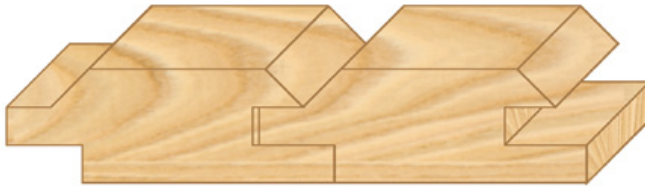
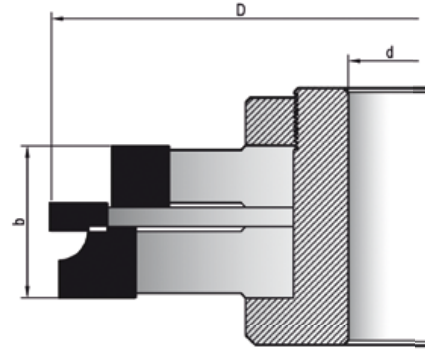
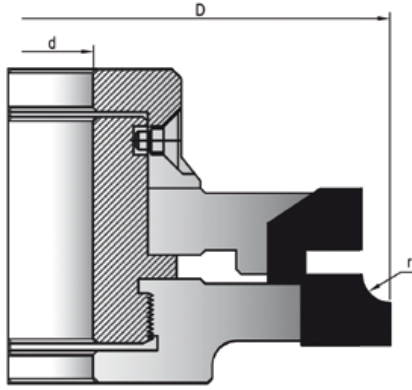
SERT METAL PLAKETLİ LAMBİRİ BİÇAK GRUPLARI

T.C.T. ADJUSTABLE TONGUE AND GROOVE CUTTER SET

0950

Ölçüler / Dimensions

Kod / Art No	D	b	r	a	d	Z	orta kanal
0950-01	160	max32		45	35-40	4+12+4	6
0950-02	160	max32		45	35-40	4+12+4	6
0950-03	160	max32		45	35-40	4+12+4	6
0950-04	160	max32		45	35-40	4+12+4	6
0950-05	160	max32	6		35-40	4+12+4	6
0950-06	160	max32	6		35-40	4+12+4	6
0950-07	160	max32		45	35-40	4+12+4	6
0950-08	160	max32	6		35-40	4+12+4	6
0950-09	160	max32			35-40	4+12+4	6
0950-10	160	max56			35-40	4+12+4	6



0950-01



0950-02

0950

SERT METAL PLAKETLİ LAMBİRİ BİÇAK GRUPLARI
T.C.T. ADJUSTABLE TONGUE AND GROOVE CUTTER SET



0950-03



0950-04



0950-05



0950-06



0950-07



0950-08



0950-09



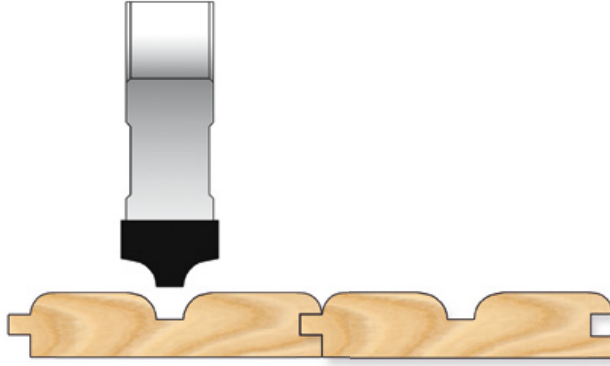
0950-10

SERT METAL PLAKETLİ DERZ BİÇAĞI
T.C.T. GROOVE CUTTER

0951

Ölçüler / Dimensions

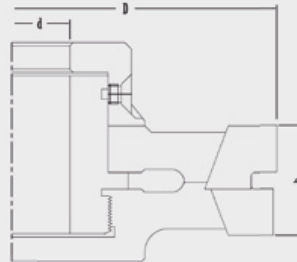
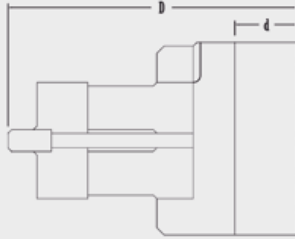
Kod / Art No	D	b	r1	d	Z
0951-01	130	22	6	35	4



SERT METAL PLAKETLİ RABITA BİÇAK GRUPLARI
T.C.T. ADJUSTABLE TONGUE AND GROOVE CUTTER SET

Ölçüler / Dimensions

Kod / Art No	D	b	orta kanal	d	Z
0960-01	160	max32	6	35-40	4+12+4



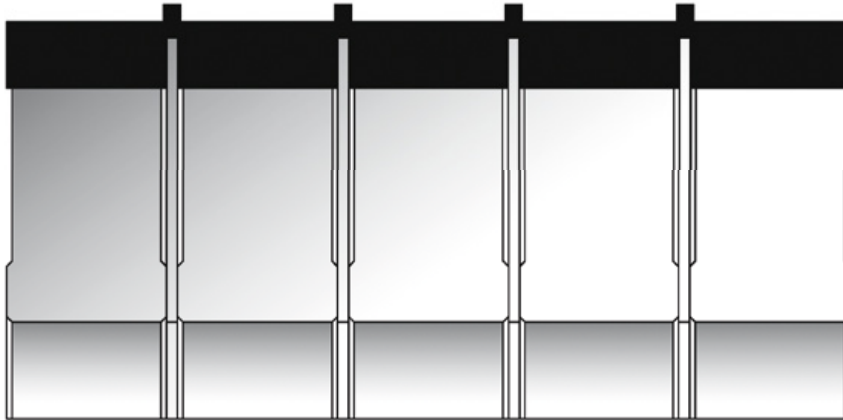
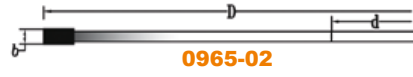
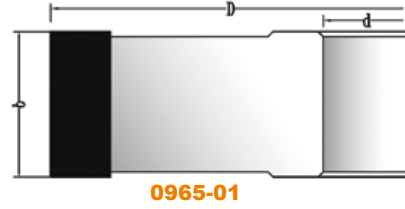
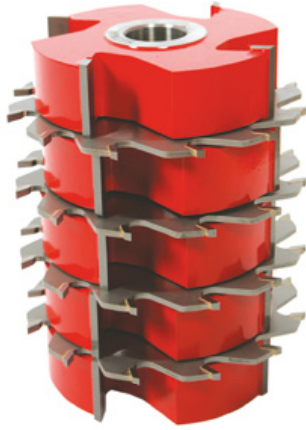
0960

0965

SERT METAL PLAKETLİ PARKE ALTI TEMİZLEME BİÇAK GRUBU
T.C.T. GROOVE CUTTER COMBINATION

Ölçüler / Dimensions

Kod / Art No	D	b	d	Z
0965-01	144	29	35	4
0965-02	150	3.2	35	24

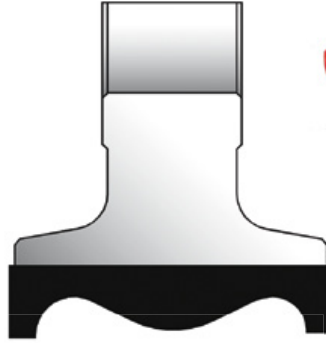


SERT METAL PLAKETLİ SÜPÜRGELİK BİÇAK GRUPLARI
T.C.T. CUTTERS COMBINATION FOR BASEBOARD

0970

Ölçüler / Dimensions

Kod / Art No	
0970-01	İki kesiciden meydana gelmiştir - 1 set (2 cutters)
0970-02	İki kesiciden meydana gelmiştir - 1 set (2 cutters)
0970-03	Üç kesiciden meydana gelmiştir - 1 set (3 cutters)
0970-04	Üç kesiciden meydana gelmiştir - 1 set (3 cutters)
0970-05	Üç kesiciden meydana gelmiştir - 1 set (3 cutters)
0970-06	Üç kesiciden meydana gelmiştir - 1 set (3 cutters)
0970-07	Üç kesiciden meydana gelmiştir - 1 set (3 cutters)



0970-06



0970-01



0970-02



0970-03



0970-04



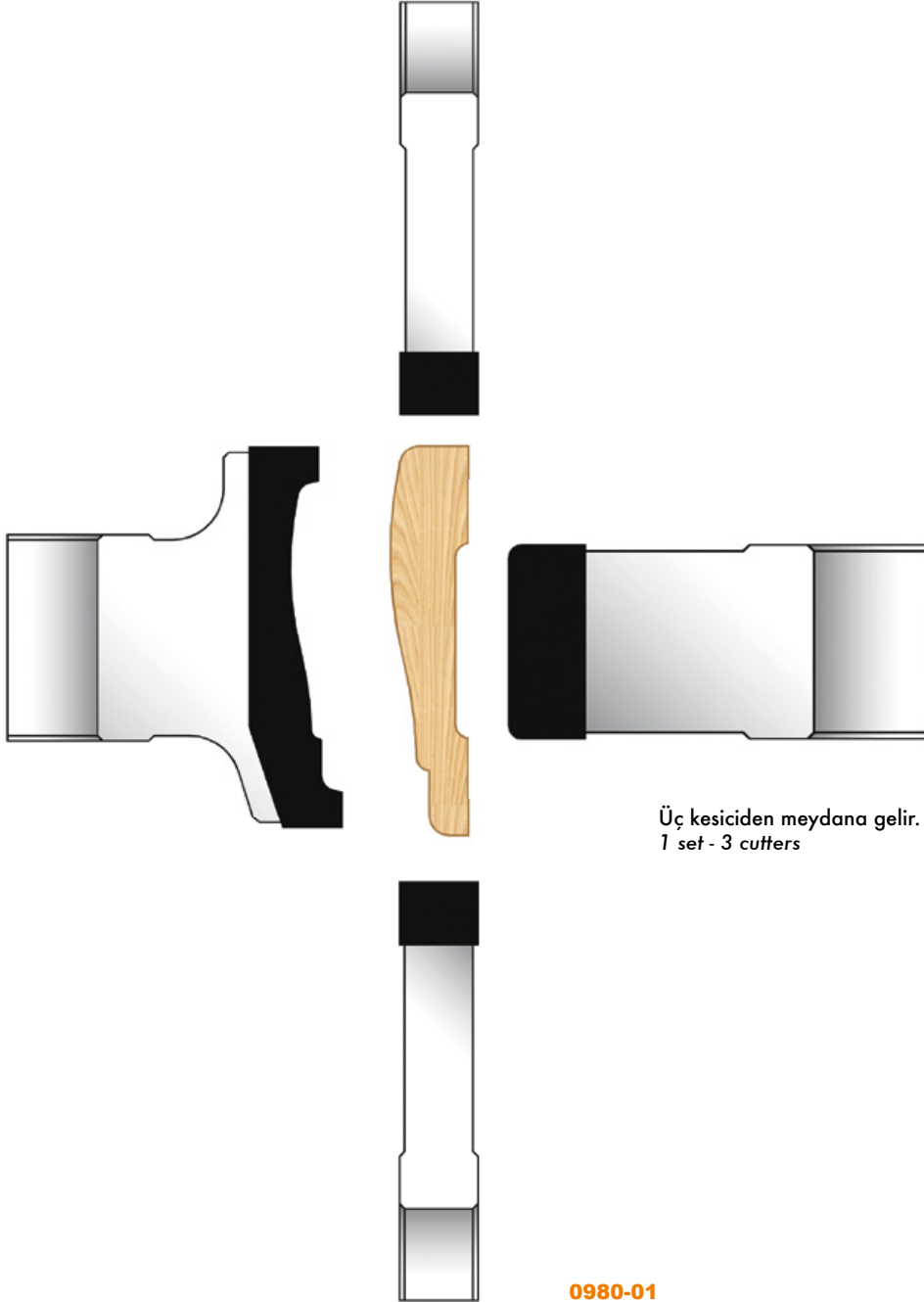
0970-05



0970-07

0980

SERT METAL PLAKETLİ PERVAZ BIÇAK GRUPLARI
T.C.T. CUTTERS COMBINATION FOR CORNICE



0980-01

SERT METAL PLAKETLİ PERVAZ BİÇAK GRUBU
T.C.T. CUTTERS COMBINATION FOR CORNICE

0980



0980-01



0980-02



0980-03



0980-04



0980-05



0980-06

AYZA MIZRAK MAKİNA

Ölçüler / Dimensions

Kod / Art No	D	d1	L	V	Z
0049-03	25	13	150	2	2
-	19	M16 X 1.5	136	-	2
-	23.5	M14 X 1.5	55	-	4

Ölçüler / Dimensions

Kod / Art No	
J-0002 - 02	(20 x 12 x 2.0 R:3)
J-0004 - 02	(16 x 17,5 x 2.0 R:3)
J-1902 - 46	(16 x 16 x 2.0 R:3)

Ölçüler / Dimensions

T 17 | (Ø100 x 3.2 / 2.0 x 16 Z:30 R-L)

Ölçüler / Dimensions

Kod / Art No	D	d1	L	V	Z
J0741-01	70	20	50	-	4

Ölçüler / Dimensions

Kod / Art No	b	H	S	C	D
0003-501215	50	12	1.5	18.5	4.1

Ölçüler / Dimensions

S 039264 | - (Ø 47 x 14 / 16 Z:4 R:3)

Ölçüler / Dimensions

J0001 - 01 | - (14 x 12 x 2.0 R:3)

Ölçüler / Dimensions

S 046702 - 01 | (Ø 62 x 19 x 16 Z:4 R:2)

Ölçüler / Dimensions

1401 - 51 | (19 x 12 x 1.5 R:2)

Ölçüler / Dimensions

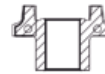
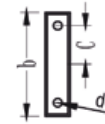
Kod / Art No	D	b	d	Z
KF 120852014	120	8.5	20	14

Ölçüler / Dimensions

Kod / Art No	D	b	d	Z
D 0106-01	70	50	20	2+2

Ölçüler / Dimensions

Kod / Art No	L	b	R	α°
S 057944-01	60	20	10	45
S 057432-01	65	20	10	45



ESMAK MAKİNA

Ölçüler / Dimensions

J 0004-02 | (16 x 17.5 x 2.0 R:3)



Ölçüler / Dimensions

Kod / Art No	D	d1	L	V	Z
J0741-01	70	20	50	-	4



Ölçüler / Dimensions

Kod / Art No	b	H	S	C	d
0003-501215	50	12	1.5	18.5	4.1



Ölçüler / Dimensions

Kod / Art No	D	b	d	Z
DTU 0106-01	70	50	20	3+3



Ölçüler / Dimensions

Kod / Art No	D	b	d	Z
D 0106-01	70	50	20	2+2



Ölçüler / Dimensions

1511-95	(Ø 48 x 11 x 16 Z:6 R:3)
1601-15	(Ø 48 x 11.5 x 16 Z:6 R:3)



Ölçüler / Dimensions

T 11	(Ø 90 x 8.3 x 20 Z:18 İkili Testere)
T 11	(Ø 70 x 4.5 x 20 Z:12)



EMİN TOSUN MAKİNA

Ölçüler / Dimensions

Kod / Art No	D	d1	L	V	Z
S 059407-01	25	25	160	-	2



M16 x 1.5

Ölçüler / Dimensions

Kod / Art No	D	d1	L	Z
S 057505-01	17	M16x1.5	140	2
S 049457-06	18	M16x1.5	140	2
S 049457-07	90	M16x1.5	140	2
S 049457-08	20	M16x1.5	140	2



Ölçüler / Dimensions

Kod / Art No	D	d1	L	Z
S 049457-1	18	M16x1.5	52	4
S 049457-2	20	M16x1.5	52	4
S 049457-4	23	M16x1.5	52	4



Ölçüler / Dimensions

T 13 (Ø 80 x 2.9 x 20 Z:20)



Ölçüler / Dimensions

Kod / Art No	D1	b	D2	L	V	Z
S 050777-01	10	31	16	76	2	2
S 047745-02	10	31	16	86	2	2



Ölçüler / Dimensions

Kod / Art No	D	b	d	L	Z
S 062075-01	12	25	8	74	2



Ölçüler / Dimensions

T 01	(Ø 220 x 3.2 x 30 Z:42)
T 01	(Ø 250 x 3.2 x 30 Z:80)



MAYMAK MAKİNA

Ölçüler / Dimensions

Kod / Art No	D	b	L	V	Z
S 020439-03	24	M16x1.5	145	2	2



Ölçüler / Dimensions

Kod / Art No	D	b	L	V	Z
S 060492-05	25	12	100	2	2



Ölçüler / Dimensions

Kod / Art No	D	d1	L	Z
S 060492-01	16	M16x1.5	135-145	2
S 021672-05	16	M16x1.5	125-135	2



Ölçüler / Dimensions

Kod / Art No	D	d1	L	Z
S 053323-01	18	M12x1.5	52	4
-	20.5	M12x1.5	52	4
-	22	M12x1.5	52	4
S 041414-01	23.5	M12x1.5	52	4



Ölçüler / Dimensions

J 0002 - 02	(20 x 12 x 2 R:3)
J 0004 - 01	(16 x 17.5 x 2.0 R:3)



Ölçüler / Dimensions

Kod / Art No	D	d1	L	V	Z
J0741-01	70	20	50	-	4



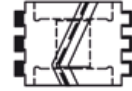
Ölçüler / Dimensions

Kod / Art No	b	H	S	C	d
0003-501215	50	12	1.5	18.5	4.1



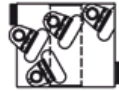
Ölçüler / Dimensions

Kod / Art No	D	b	d	Z
D 0106-01	70	50	20	2+2



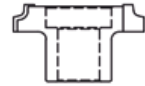
Ölçüler / Dimensions

Kod / Art No	D	b	d	Z
DTU 0106-07	100	65	30	3+3



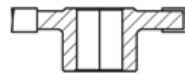
Ölçüler / Dimensions

1705-90	(50 x 10 x 16 Z:6 R:3)
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Ölçüler / Dimensions

S 049137-01	(62 x 8.3 x 16 Z:6)
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NFM MIZRAK MAKİNA

Ölçüler / Dimensions

Kod / Art No	D	d1	L	V	Z
0439-03	25	13	150	2	2



Ölçüler / Dimensions

Kod / Art No	D	d1	L	Z
S 053324-05	16	M16x1.5	135	2



Ölçüler / Dimensions

Kod / Art No	D	d1	L	Z
S 053324-02	23.5	M14x1.5	55	4



Ölçüler / Dimensions

T 01	(Ø 110 x 5.0 x 30 Z:12)
T 01	(Ø 150 x 4.2 x 30 Z:24)
T 01	(Ø 150 x 5.0 x 30 Z:24)
T 01	(Ø 165 x 3.2 x 30 Z:24)
T 01	(Ø 180 x 3.2 x 30 Z:30)
T 01	(Ø 190 x 3.2 x 30 Z:24)
T 01	(Ø 190 x 3.2 x 30 Z:30)
T 01	(Ø 200 x 3.2 x 30 Z:24)
T 01	(Ø 200 x 3.2 x 30 Z:34)
T 01	(Ø 205 x 3.2 x 30 Z:34)
T 01	(Ø 220 x 3.2 x 30 Z:42)



Ölçüler / Dimensions

T 07	(Ø 100 x 3.2 x 30 Z:30 R - L)
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Ölçüler / Dimensions

J 0004-02	(16 x 17.5 x 2.0 R:3)
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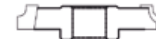
Ölçüler / Dimensions

Kod / Art No	D	d1	L	V	Z
J0741-01	70	20	50	-	4
S 030866-01	70	20	70	-	4



Ölçüler / Dimensions

0902-41	(Ø 69 x 16 x 16 Z:6 R:3)
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Ölçüler / Dimensions

1709-25	(Ø 69 x 16 x 16 Z:6 R:3)
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Ölçüler / Dimensions

Kod / Art No	D	b	d	Z
D 0106-01	70	50	20	2+2



ÖZANADOLU MAKİNA

Ölçüler / Dimensions

T17 | (Q 90 x 3.2 / 2.0 x 20 Z:24 R - L

Ölçüler / Dimensions

T13 | (Q 90 x 3.2 / 2.0 x 20 Z:24 R - L



Ölçüler / Dimensions

Kod / Art No	D	d1	L	V	Z
J0741-01	70	20	50	-	4



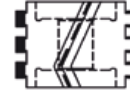
Ölçüler / Dimensions

Kod / Art No	b	H	S	C	d
0003-501215	50	12	1.5	18.5	4.1



Ölçüler / Dimensions

Kod / Art No	D	b	L	Z
D 0106-01	70	50	20	2+2



Ölçüler / Dimensions

1301 - 103 L | (Ø44.5 x 9.5 x 16 Z:6 R:3)

1301 - 103 R | (Ø44.5 x 9.5 x 16 Z:6 R:3)



Ölçüler / Dimensions

0508 - 53 L | (Ø61.5 x 10.5 x 16 Z:6 R:3)

0508 - 53 L | (Ø61.5 x 10.5 x 16 Z:6 R:3)



Ölçüler / Dimensions

T 16 | (Ø160 x 6.0 x 16 Z:40)

T 16 | (Ø160 x 6.0 x 16 Z:40)



ÖZBAŞKENT MAKİNA

Ölçüler / Dimensions

J 0002-02 | (20 x 12 x 2.0 R:3)



Ölçüler / Dimensions

T 17 | (Ø 100 x 3.2 x 16 Z:20 R - L)

T 17 | (Ø 110 x 3.2 x 16 Z:30 R - L)



Ölçüler / Dimensions

Kod / Art No	D	d1	L	V	Z
J0741-01	70	20	50	-	4



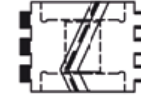
Ölçüler / Dimensions

Kod / Art No	b	H	S	C	d
0003-501215	50	12	1.5	18.5	4.1



Ölçüler / Dimensions

Kod / Art No	D	b	L	Z
D 0106-01	70	50	20	2+2



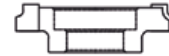
Ölçüler / Dimensions

1301 - 103 | (Ø48.5 x 10 x 16 Z:6 R:3)



Ölçüler / Dimensions

0508 - 53 | (Ø69 x 14 x 25 Z:6 R:3)



Ölçüler / Dimensions

0904 - 03 | (Ø54 x 11 x 20 Z:6 R:6)



Ölçüler / Dimensions

1206 - 69 | (Ø64 x 9.0 x 20 Z:6 R:4)



Ölçüler / Dimensions

1710 - 34 | (Ø46 x 50 x 66 x 20 Z:6)



Ölçüler / Dimensions

0490 | (Ø160 x 9.0 x 30 Z:16)

0490 | (Ø160 x 8.5 x 30 Z:16)

0490 | (Ø160 x 4.0 x 30 Z:30)



ÖZKONYALI MAKİNA

Ölçüler / Dimensions

J0002-02 | (12.7 x 12.7 x 3.2 R:3)



Ölçüler / Dimensions

T17 | (Ø 80 x 3.0 x 20 Z:20)



Ölçüler / Dimensions

Kod / Art No	D	d1	L	V	Z
J0741-01	70	20	50	-	4



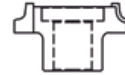
Ölçüler / Dimensions

Kod / Art No	b	H	S	C	d
0003-501215	50	12	1.5	18.5	4.1



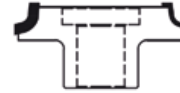
Ölçüler / Dimensions

1511 - 48	(Ø 49 x 10 x 16 Z:6 R:3)
S 055640 - 01	(1511-48) (Ø 67.5 x 10 x 16 Z:6 R:3)



Ölçüler / Dimensions

1611 - 17 | (Ø 57.5 x 12 x 16 Z:6 R:3)



Ölçüler / Dimensions

S 045818 - 01 | (Ø 90 x 8.3 x 20 Z:18 R:3)



Ölçüler / Dimensions

Kod / Art No	D	b	L	Z
D 0106-01	70	50	20	2+2



SABIR MAKİNA

Ölçüler / Dimensions

1011 - 31 | (25.56 x 10.95 x 1.5 R:1.5)



Ölçüler / Dimensions

Kod / Art No	D	d1	L	V	Z
S 057488-01	62	20	50	-	6



Ölçüler / Dimensions

Kod / Art No	b	H	S	C	d
0003-501215	50	12	1.5	18.5	4.1



Ölçüler / Dimensions

1110 - 61	(Ø 47.8 x 9.0 x 16 Z:6 R:2 RIGHT)
1511 - 53	(Ø 47.4 x 9.0 x 16 Z:6 R:2 LEFT)
1102 - 44	(Ø 47.8 x 9.0 x 16 Z:6 R:2 LEFT)



Ölçüler / Dimensions

T11 | (Ø 200 x 3.2 x 30 Z:34)



TÖRK MAKİNA

Ölçüler / Dimensions

J 0002 - 01	(20 x 12 x 2.0 R:2)
J 0004 - 01	(16 x 17.5 x 2.0 R:2)



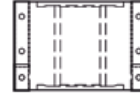
Ölçüler / Dimensions

T17	(Ø 100 x 3.2 x 30 Z:20 R - L)
T17	(Ø 140 x 3.2 x 16 Z:34 R - L)



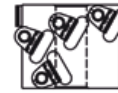
Ölçüler / Dimensions

Kod / Art No	D	d1	L	V	Z
J0741-02	100	30	70	-	3+3



Ölçüler / Dimensions

Kod / Art No	D	b	d	Z
DTU 0106-07	100	65	30	3+3



Ölçüler / Dimensions

JİLETLİ KANAL FREZE	(Ø 150 x 9.0 x 30 Z:4 V:4)
JİLETLİ KANAL FREZE	(Ø 150 x 6.0 x 30 Z:4 V:4)
JİLETLİ KANAL FREZE	(Ø 150 x 4.0 x 30 Z:4 V:4)



TURANLAR MAKİNA

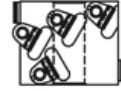
Ölçüler / Dimensions

J 0002 - 02	(20 x 12 x 2 R:3)
J 0004 - 05	(20 x 12 x 2 R:3)



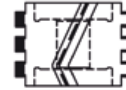
Ölçüler / Dimensions

Kod / Art No	D	b	d	Z
DTU 0106-01	70	50	20	2+2
DTU 0106-09	125	54	30	3+3



Ölçüler / Dimensions

Kod / Art No	D	b	d	Z
D 0106-01	70	50	20	2+2
D 0106-09	125	54	30	3+3



Ölçüler / Dimensions

Kod / Art No	D	d1	L	V	Z
J0741-01	70	20	50	-	4



Ölçüler / Dimensions

Kod / Art No	b	H	S	C	d
0003-501215	50	12	1.5	18.5	4.1



Ölçüler / Dimensions

1112 - 15	(70 x 9.0 x 16 Z:6 R:3)
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Ölçüler / Dimensions

T17	(Ø 100 x 3.2 x 30 Z:20)
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NOTLAR
NOTICE

.....//.....//.....

[illegible]

İÇİNDEKİLER

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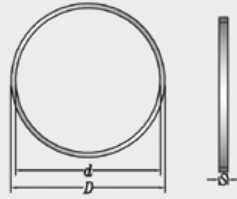
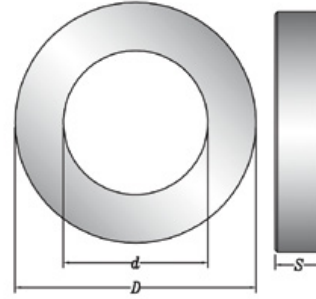
AKSESUARLAR ACCESSORIES

Ölçüler / Dimensions

Kod / Art No	D	S	d
553 148 01	60	0.2	40
553 148 02	60	0.3	40
553 148 03	60	0.5	40
553 148 04	60	3	40
553 148 05	60	5	40
553 148 06	50	0.1	30
553 148 07	50	0.2	30
553 148 08	50	0.3	30
553 148 09	50	0.5	30
553 148 10	50	2	30
553 148 11	50	5	30
553 148 12	50	10	30
553 148 13	50	13.3	30
553 148 14	50	15	30
553 148 15	50	20	30
553 148 16	50	25	30
553 148 17	50	30	30

RAYNEL (MİL BİLEZİĞİ)

SHIMS FOR CUTTER HEADS



DAİRE TESTERE BİLEZİĞİ

STANDARD REDUCING RINGS FOR CIRCULAR SAWS

Ölçüler / Dimensions

Kod / Art No	D	S	d
553 148 18	32	1.80	30
553 148 19	30	1.80	25
553 148 20	30	1.80	20
553 148 21	30	1.80	16
553 148 22	20	1.80	16

Ölçüler / Dimensions

Kod / Art No	D	d
553 149 01	35	30
553 149 02	40	35
553 149 03	40	30
553 149 04	32	30

FATURALI BİLEZİK

REDUCTION RINGS FOR CUTTERS

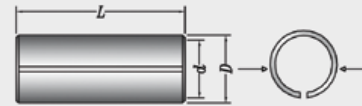


Ölçüler / Dimensions

Kod / Art No	d	D	L
554 138 01	6	10	35
554 138 02	8	10	35
554 138 03	8	12	35
554 138 04	10	12	35
554 138 05	12	14	35

BIÇAK ADAPTÖRÜ

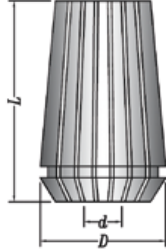
SHANK TYPE REDUCING ADAPTOR



AKSESUARLAR ACCESSORIES

NETMAK ŞAKÜLİ FREZE PENSİ

HIGH PRECISION COLLET FOR NETMAK ROUTER
(MILING MACHINES)



Ölçüler / Dimensions

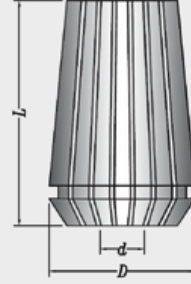
Kod / Art No	d	D	L
653 148 01	6	25,5	40
653 148 02	8	25,5	40
653 148 03	10	25,5	40
653 148 04	12	25,5	40
653 148 05	14	25,5	40

NETMAK FREZE PENSİ

HIGH PRECISION COLLET FOR NETMAK SPINDLE MOULDERS

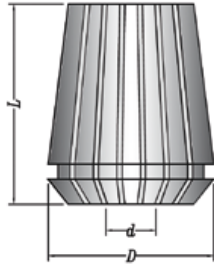
Ölçüler / Dimensions

Kod / Art No	d	D	L
653 149 01	10	29,5	45
653 149 02	12	29,5	45
653 149 03	14	29,5	45
653 149 04	16	29,5	45
653 149 05	20	29,5	45



ER32 CNC PENSİ (DIN 6499 FORM B)

HIGH PRECISION ER32 COLLET



Ölçüler / Dimensions

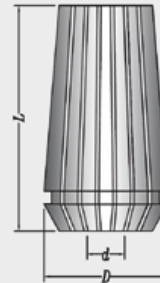
Kod / Art No	d	D	L
653 150 01	6	33	40
653 150 02	8	33	40
653 150 03	10	33	40
653 150 04	12	33	40
653 150 05	14	33	40
653 150 06	16	33	40
653 150 07	18	33	40
653 150 08	20	33	40

ER16 PENS (DIN 6499)

HIGH PRECISION ER16 COLLET

Ölçüler / Dimensions

Kod / Art No	d	D	L
653 151 01	3	17	27,5
653 151 02	4	17	27,5
653 151 03	5	17	27,5
653 151 04	6	17	27,5
653 151 05	8	17	27,5
653 151 06	10	17	27,5



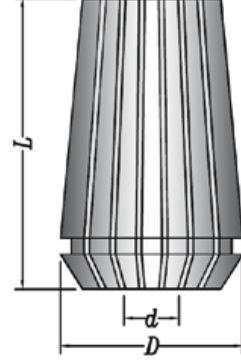
AKSESUARLAR ACCESSORIES

ER20 PENS (DIN 6499)

HIGH PRECISION ER20 COLLET

Ölçüler / Dimensions

Kod / Art No	d	D	L
653 152 01	4	21	31,5
653 152 02	6	21	31,5
653 152 03	8	21	31,5
653 152 04	10	21	31,5
653 152 05	12	21	31,5
653 152 06	13	21	31,5

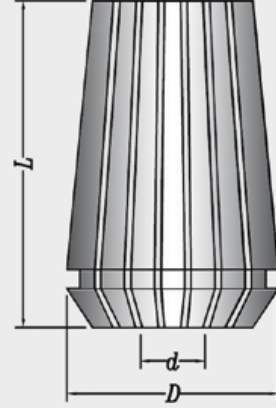


ER25 PENS (DIN 6499)

HIGH PRECISION ER25 COLLET

Ölçüler / Dimensions

Kod / Art No	d	D	L
653 153 01	6	26	34
653 153 02	8	26	34
653 153 03	10	26	34
653 153 04	12	26	34
653 153 05	14	26	34
653 153 06	16	26	34

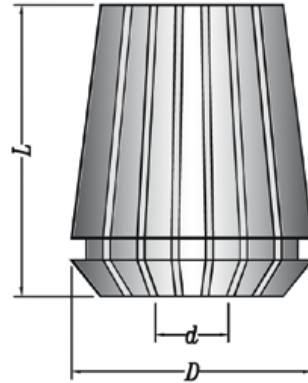


ER40 PENS (DIN 6499)

HIGH PRECISION ER40 COLLET

Ölçüler / Dimensions

Kod / Art No	d	D	L
653 154 01	6	41	46
653 154 02	8	41	46
653 154 03	10	41	46
653 154 04	12	41	46
653 154 05	14	41	46
653 154 06	16	41	46
653 154 07	18	41	46
653 154 08	20	41	46
653 154 09	24	41	46
653 154 10	26	41	46



AKSESUARLAR ACCESSORIES

ALLEN

ALLEN KEY



Ölçüler / Dimensions

Kod / Art No	D
353 160 01	2
353 160 02	2.5
353 160 03	3
353 160 04	4
353 160 05	5
353 160 06	6
353 160 07	8

Ölçüler / Dimensions

Kod / Art No	D
353 165 01	T15
353 165 02	T20
353 165 03	T25
353 165 04	T30
353 165 05	T9

TORK ANAHTAR TORX KEY WITH HANDLE



AY ANAHTAR

HOOK WRENCH

Ölçüler / Dimensions

Kod / Art No	D
353 155 01	45-55
353 155 02	65-75



AÇIK AĞIZ ANAHTAR SINGLE SIDED WRENCH



Ölçüler / Dimensions

Kod / Art No	L
353 170 01	38
353 170 02	41
353 170 03	46

AKSESUARLAR ACCESSORIES

RULMANLI DAYAMALAR

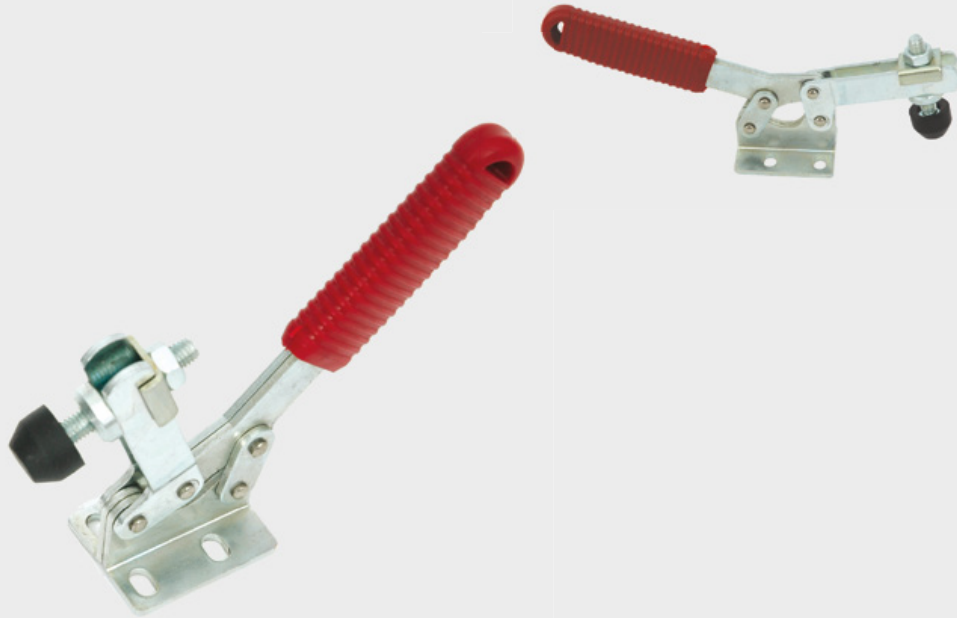
BALL BEARING BUSHING

Ölçüler / Dimensions

Kod / Art No	D	d
113 135 01	60	30
113 135 02	65	30
113 135 03	70	30
113 135 04	75	30
113 135 05	80	30
113 135 06	85	30
113 135 07	90	30
113 135 08	95	30
113 135 09	100	30
113 135 10	110	30
113 135 11	120	30



SIKMA APARATI TOGGLE CLAMP



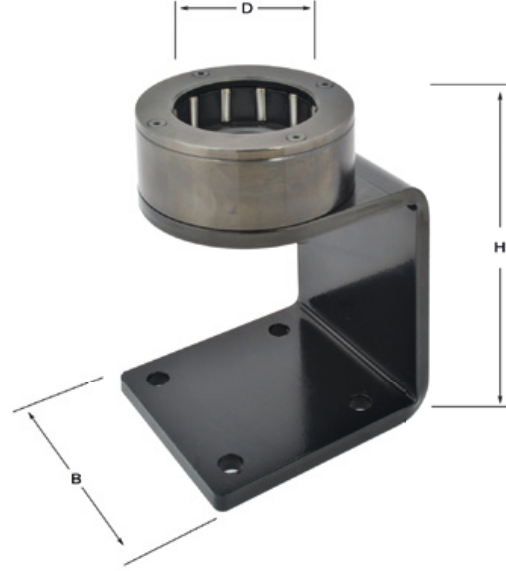
AKSESUARLAR ACCESSORIES

MASURA RULMANLI MONTAJ APARATI

TOOL HOLDER FIXING EQUIPMENT

Ölçüler / Dimensions

Kod / Art No	D	H	B
HSK 700-10 (HSK F63)	63	160	100
ISO 700-20 (ISO 30)	50	160	100



CNC TUTUCU ADAPTÖRLERİ CNC TOOL HOLDERS

Ölçüler / Dimensions

Kod / Art No	Tip
ISO 30	ER32
ISO 30	ER40
HSK-F63	ER32
HSK-F63	ER40



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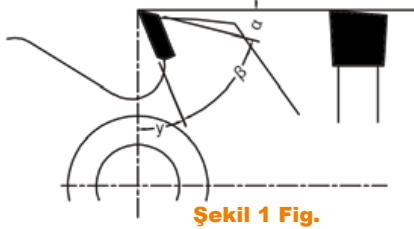
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TEKNİK BİLGİLER TECNICAL INFORMATION



Şekil 1 Fig.



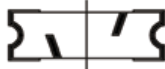
Şekil 2 Fig.



Şekil 3 Fig.



Şekil 4 Fig.



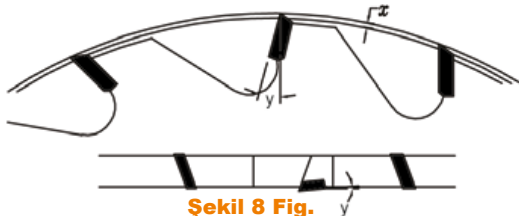
Şekil 5 Fig.



Şekil 6 Fig.



Şekil 7 Fig.



Şekil 8 Fig.

Kesici takımların gövdelerini imal ederken, farklı malzemelerin birbirine uyumunu sağlamak gereklidir. Bunun için kullanılan çelikler daima kaliteli malzemelerden seçilmelidir. Isıl işlemlerinin yapılması bazende daha dayanıklı hale gelebilmesi için yüzeylerin sertleştirilmesi gereklidir.

NETMAK bunun bilincinde olup bütün imalatlarında en kaliteli malzeme kullanmaktadır.

1- BİÇAK AĞZININ AÇILARI (Şekil 1-2)

α = Bıçak sırtı boşluk açısı

α_1 = Yan boşluk açısı (Tegetsel)

α_2 = Boşluk açısı (Çevresel)

β = Keskinlik ve bileme açısı (Kesme yüzeyi ve boşluk açısı)

γ = Kesme açısı ($0^\circ - 30^\circ$ negatif olabilir.)

λ = Eksenel açı

Σ = Yanal tarama açısı

Kenarlardaki açılar kesici takımın fonksiyonlarına göre değişir. Kesme hızı ve kesilecek malzeme cinsi kesici kalitesini belirler

1.1 Eksenel açı

1.1.1 Düzlem yüzey (Axial açı 0°) Kesme ağızı eksene paraleldir (Şekil 3)

1.1.2 Tek yönlü ağız eğimi (Axial açı tek taraflı) (Şekil 4)

1.1.3 Ağız eğimi çift yönlü - sağa ve sola (Şekil 5)

1.1.4 Çift yönlü ağız eğimi - sağa ve sola çizgisiz (Şekil 6)

1.1.5 Tek yönlü ağız eğimi - Tek taraf çizicili (Şekil 7)

1.2 Çizicilerde kesim tasarısı (Şekil 8)

x = Çevresel çizici tasarımı

y = Geciktirilmiş çizici tasarımı

γ = Çizicide kesme açısı

Negatif; Ağız damarına ters gelen kesimlerin özel kesici tasarımı.

Pozitif; Ağız damarına ters gelen ve bitiş noktasında olan kesimlerde kullanılan çizici tasarımı.

1- ANGLES OF THE CUTTING EDGE (fig. 1-2)

α = Clearance angle at the tooth back

α_1 = Side clearance angle (tangentially)

α_2 = Radial clearance angle

β = Grinding or sharpness angle (angle between cutting surface and clearance surface)

γ = Cutting angle ($0^\circ - 30^\circ$ possibly negative, e.g. for scribes)

λ = Axial angle

Σ = Side rake

The angles at the cutting edges depend on the function of the tool, the cutting speed, the material to be machined and the required cutter quality

1.1 Axial angle

1.1.1 Straightground (Axial angle 0°), Cutting edge parallel to axis (fig 3)

1.1.2 Single bevel ground right and left (fig 4)

1.1.3 Bevel ground right and left (fig 5)

1.1.4 Rebate cutter bevel ground right and left, without scribes (fig 6)

1.1.5 Rebate cutter single bevel ground (axial angle) and scribes on one side (fig 7)

1.2 Cutter projection at scriber (fig 8)

x = Radial scriber projection

y = Lateral scriber projection

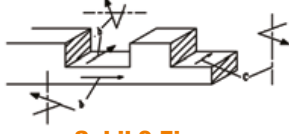
γ = Cutting angle at scriber.

Negative; Special cutter desing of cuts against the wood grain

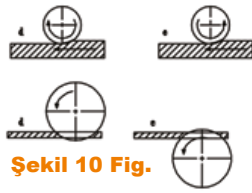
Positive; Plotter desing used for cutting opposite the wood grain and at the end point.

To match the loading of the different tools, when making the bodies we use steels which have been subjected to simple to high - quality heat - treatment, sometimes with additional surface hardening or toughening wherever weight saving is required and possible, a highly - tempered special aluminium alloy is employed. In ever case, continuing quality of all NETMAK products is assured through use of best quality tool bodies

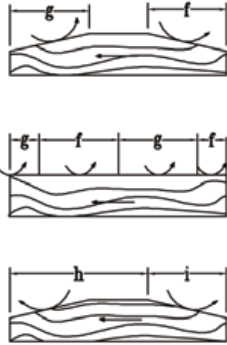
TEKNİK BİLGİLER TECNICAL INFORMATION



Şekil 9 Fig.



Şekil 10 Fig.



Şekil 11 Fig.



Şekil 12 Fig.



Şekil 13 Fig.



Şekil 14 Fig.

1- KESİCİ TAKIM TATBİK KOŞULLARI

2.1 İsimlendirilmiş uygulamalar

2.1.1 Ağaç kesiminde çalışma yönleri (Şekil 9)

a - Damar boyu yönünde kesim (suyuna)

b - Damar karşıt yönünde kesim (sokrasına)

c - Damar karşıt, bitim noktası kesimi.

2.1.2 Çalışma parçasının ilerleme yönüyle ilgili olarak kesicinin çalışma yönleri (Şekil 10)

d - İlerleme yönünde çalıştırma: Bıçak dönüş ve ilerleme yönü aynı yönde.

e - İlerleme yönünün tersine çalıştırma: Bıçak dönüş yönü ilerleme yönünün tersinde

2.1.3 Masif ahşapta, bıçak çalışma yönünün ahşap damarı ile uyumu (Şekil 11)

f - Lif boyunca çalışma yönü

g - Lifin ters yönünde çalışma

h - İlerleme ile birlikte lif yönünde çalışma

ı - İlerleme ile birlikte lif ters yönünde çalışma

2.2 Dönüş yönleri

2.2.1 Delikli Kesicilerde Kesiş yönü,

Saatın ters yönüne dönüş (Şekil 12)

Saatın yönüne dönüş (Şekil 14)

re = İlerleme yönünde bakıldığında saat yönünde dönüş

li = İlerleme yönünde bakıldığında saatın ters yönüne dönüş

2.2.2 Saplı tip bıçaklarda dönüş yönü daima resimlerdeki ilerleme yönünde bakılması gereklidir.

re = İlerleme yönünde bakıldığında saat yönünde dönüş (Şekil 15) Sap sağ vidalı

li = İlerleme yönünde bakıldığında saatın ters yönüne dönüş (Şekil 16) Sap sol vidalı

2- TOOL APPLICATION CONDITIONS

2.1 Application nomenclature

2.1.1 Working directions of the cutter in wood (fig 9)

a- Cutting along the grain

b- Cutting across the grain

c- Cutting the and - grain

2.1.2 Working directions of the cutter with respect to the feed of the work piece (fig 10)

d- Machining with feed direction: The direction of cutting of the tool is the same as the direction of feed.

e- Machining against the feed direction: The direction of cutting of the tool is the opposite direction of feed.

2.1.3 Working direction of the cutter with respect to the wood grain in solid wood (fig 11)

f- The tool machines along the wood fibre direction.

g- The tool machines against the wood fibre direction.

h- The tool machines with the feed direction along the fibre direction.

i- The tool machines against the feed direction along the fibre direction

2.2 Directions of rotations

2.2.1 Direction of rotation of cutting tools hogging units (tools with bores)

Direction of rotation = anti - clockwise (fig 12)

Direction of rotation = clockwise (fig 14)

re = Clock wise direction when looking from the driving side (Motor)

li = Anti - Clockwise direction looking from the driving side

2.2.2 Direction of rotation of shank - type tools. Shank - type tool sare always viewed from driving side.

Clockwise rotation (r) as standard (fig 15)

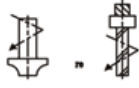
Threaded shank with right - hand thread.

Anti - clockwise rotation (li) (fig 16)

Threaded shank with left - hand thread.

TEKNİK BİLGİLER

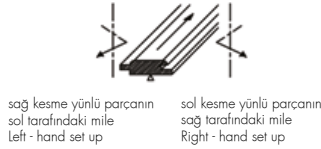
TECNICAL INFORMATION



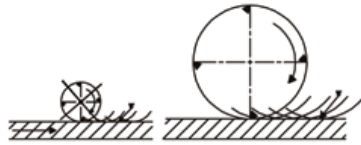
Şekil 15 Fig.



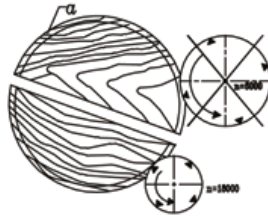
Şekil 16 Fig.



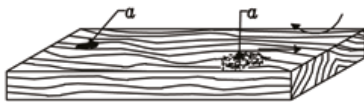
Şekil 17 Fig.



Şekil 18 Fig.



Şekil 19 Fig.



Şekil 20 Fig.

2.2.3 Parçaya göre kesici yerleşimi (Şekil 17)

Bu şekil ilerleme yönünde bakılmıştır.

Sağ kesme yönlü parçanın sol tarafındaki mile

Sol kesme yönlü parçanın sağ tarafındaki mile

Δ = Parçanın makina tablasına gelen yüzeyi

$>$ = İlerleme yönü

2.3 Kesme hızı - V (Kesme Hız Çizelgesi)

Kesme hızı kesicinin her saniyede almış olduğu mesafedir. Ölçü birimi m/saniyedir.

Çalışma kuralı yumuşak ağaçlarda yüksek kesme hızı, sert ağaçlarda düşük kesme hızı şeklindedir.

2.4 İlerleme oranı (u)

Bu bölümde ilerleme oranı ile ilgili kesin değerler vermek mümkün değildir. Ancak yaklaşık uygun değerler tablo halinde sunulmuştur. Bu oran bıçak kalitesi, profil derinliği, kesilecek malzeme cinsi ve makina tipine göre değişir. İlerleme oranı ayarlarken kural, mümkün olan en yüksek hızı seçmektir. Yüksek ilerleme hız oranı yüzey kalitesi ve makina gücü ile de doğrudan ilgilidir. Bütün kesici takımlarda, körelme zamanını uzatmak için olabildiğince yüksek ilerleme oranı seçilmelidir.

2.5 Yüzey kalitesi (Şekil 18 - 19 - 20)

Yüzey kalitesi aşağıdaki unsurlarla ilgilidir;

- Doğru kesici seçimi,
- Uygun olan en yüksek kesme hızı,
- Kesici takım çapı,
- Kesicinin eksenel çalışma hassasiyeti ve sistem doğruluğu,
- Makinanın titreşimsiz çalışma ve uygun makina seçimi,
- Kesilen malzemenin kalitesi,
- Ağaç işleme sisteminin seçimi (İlerleme Hızı ve Devir Sayısı)

2.2.3 Location of the tool with respect to workpiece (fig 17)

This is assessed from the feeding side (in the feed direction)

Left - hand set - up = spindle to the left of the workpiece

Right - hand set up = spindle to the right of the workpiece

Δ = Mounting side

$>$ = Feed direction

2.3 Cutting speed V (Tables 1 - 2)

The cutting speed is the distance travelled by the cutter per second (m/sec) rule of thumb

For soft materials higher cutting speeds

For hard materials lower cutting speeds

2.4 Feed rates (u)

It is not possible to give tabulated values here for determination of the best feed rates for various wood working tools. The most favourable feed rate depends on tool, profile depth material, machine, quality requirements etc. For practical cases, we recommend.

Select as high a feed rate as possible.

The upper limit of the feed rate is set by the quality requirements and the power of the machine.

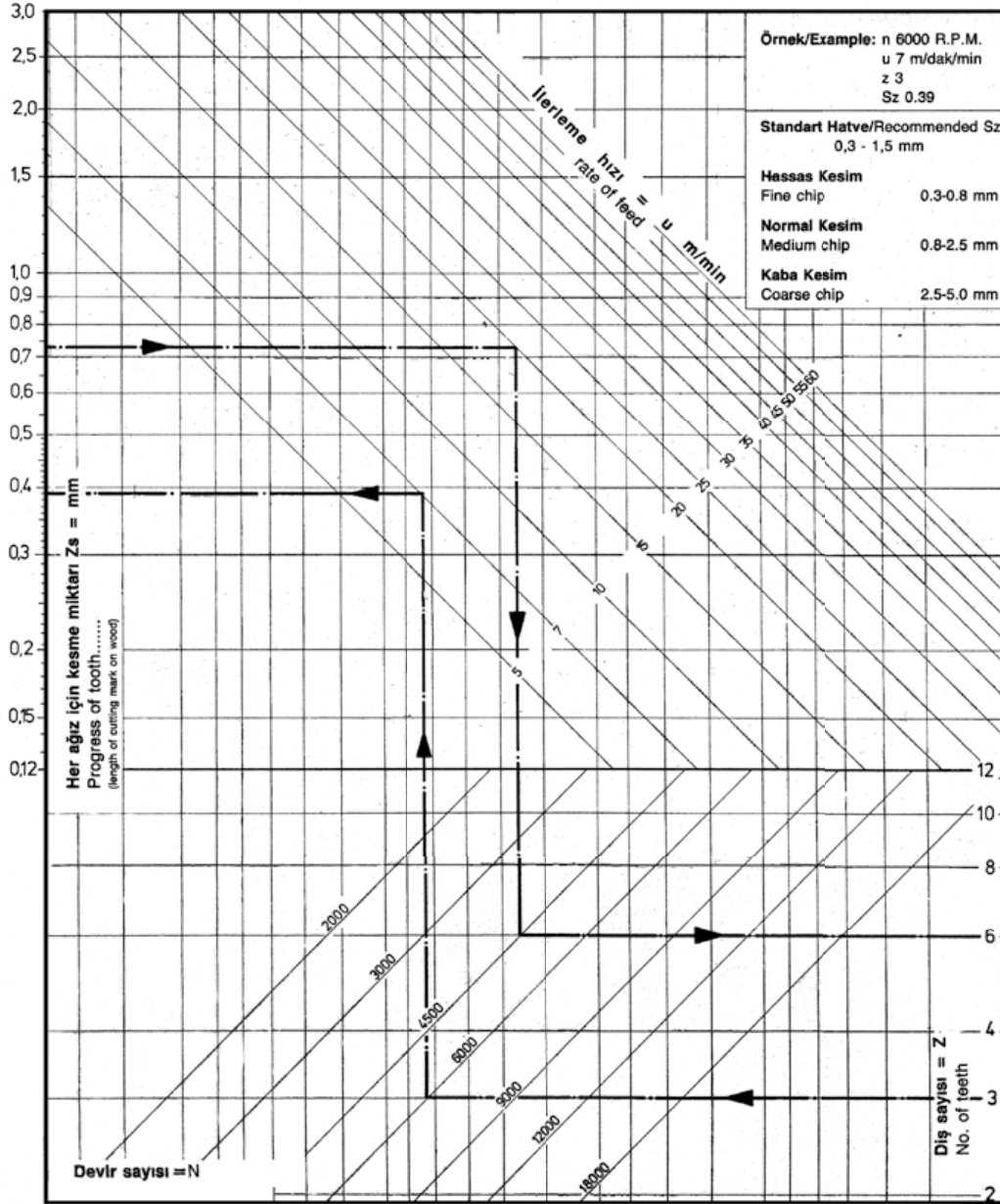
Feed rates selected as large as possible and kept constant increases the service life of all woodworking tools.

2.5 Surface quality (fig 18 - 19 - 20)

The surface quality depends essentially on:

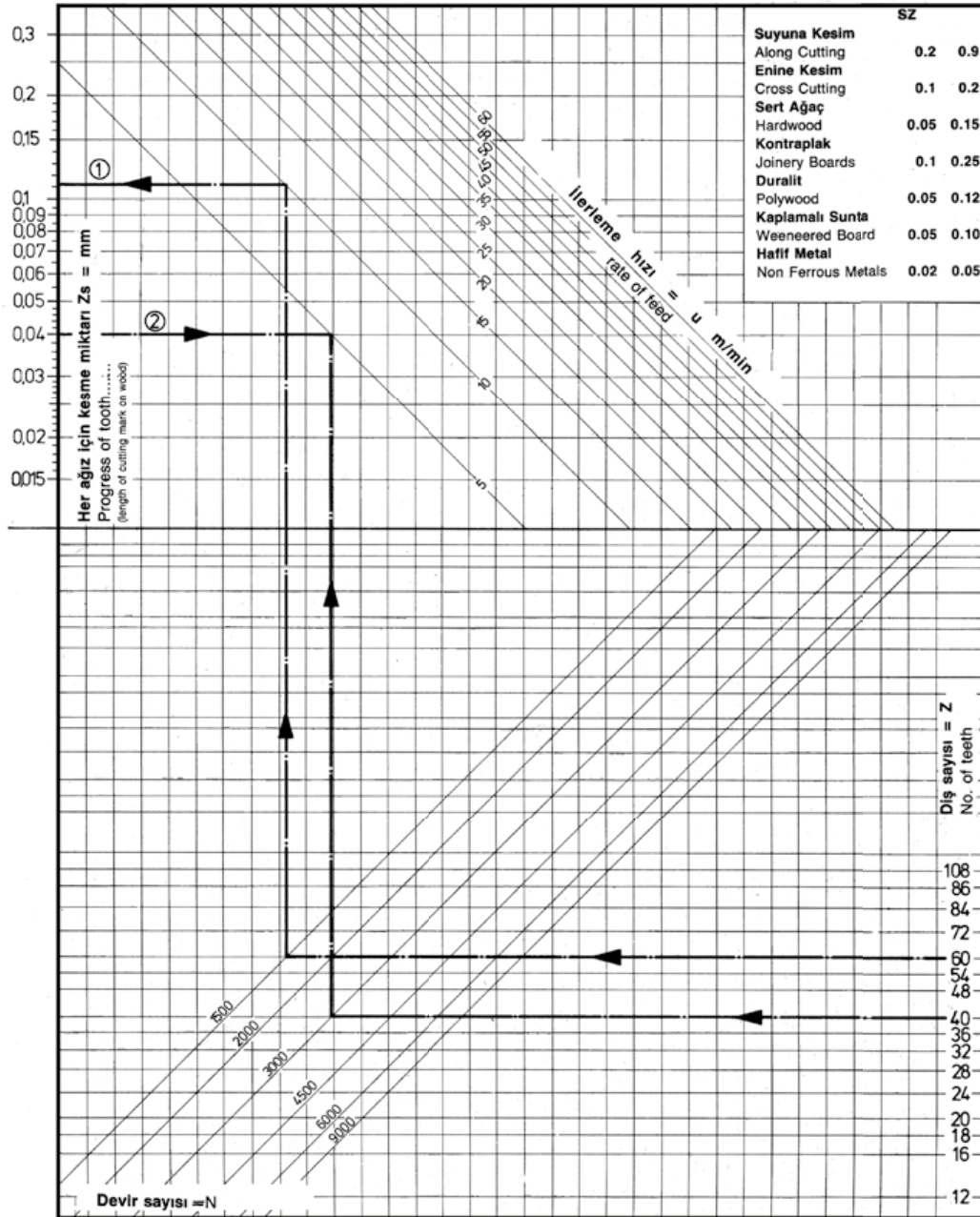
- The correct tool selected,
- Optimum cutting speed, recommended.
- Best feed rate,
- Tool diameter,
- Concentric running accuracy and axial runout of the tool,
- Condition of the machine (rigidity, accuracy)
- Condition of the tool cutting edge,
- Wood quality as well as moisture content,
- Woodworking technique selected etc.

KESİCİ AĞIZ SAYISI VE İLERLEME HIZI ÇİZELGESİ
PROGRES OF TOOTH, RATE OF FEED, R.P.M. , NUMBER OF TEETH

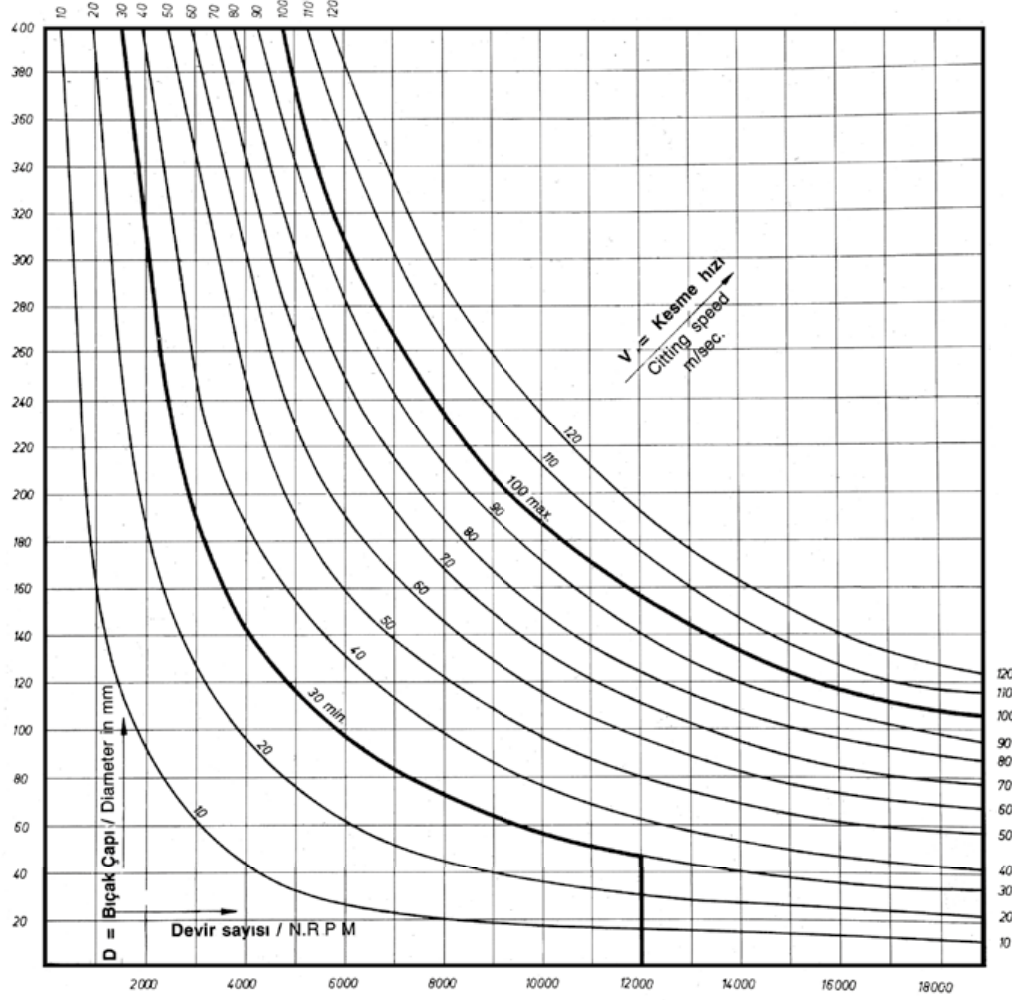


TESTERE DİŞ SAYISI VE İLERLEME HIZI ÇİZELGESİ

PROGRES OF TOOTH, RATE OF FEED, R.P.M. , NUMBER OF TEETH



KESİCİ ÇAPINA GÖRE, DEVİR AYAR ÇİZELGESİ
RELATIVE TO FEED RATE AND DIAMETER OF TOOL



Önerilen Kesme hızları tablosu

Parçanın cinsi	biçak HSS/m/san.	Hm m/san.	testere Hm m/san.
Yumuşak ağac	50-80	60-90	70-100
Sert ağac	40-50	50-80	70-90
Kontrplak levha	—	60-80	60-80
Sunta	—	60-80	60-80
Duralit	—	40-60	60-80
Formikalı Sunta	—	40-60	60-120

Recommended cutting speeds

	HSS (m/sec.)	Cutters Carbide tipped (m/sec.)	Saw blades Carbide tipped (m/sec.)
Metarial	50-80	60-90	70-100
Softwood	40-50	50-80	70-90
Hardwood	—	60-80	60-80
Chipboard	—	60-80	60-80
Joinery boards	—	40-60	60-80
Hardboard	—	40-60	60-80
Plastic laminated boards	—	40-60	60-120

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