

2022

KESİCİ UÇ KATALOĞU
INSERT CATALOGUE
WENDESCHNEIDPLATTE KATALOG



AKKO®

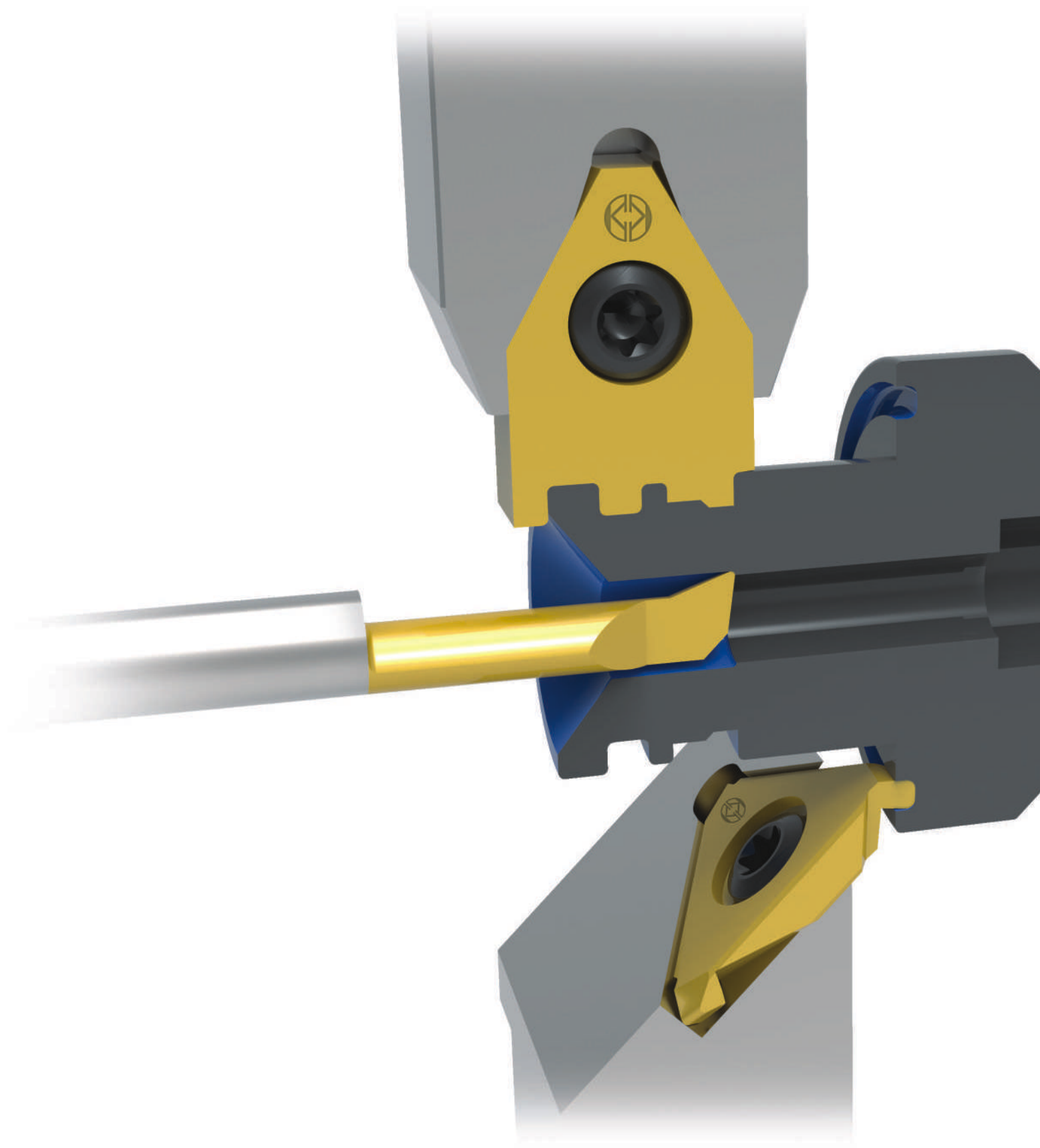
**Официальный дистрибьютор
в России – ООО «СиЭнСиЭм Групп»**

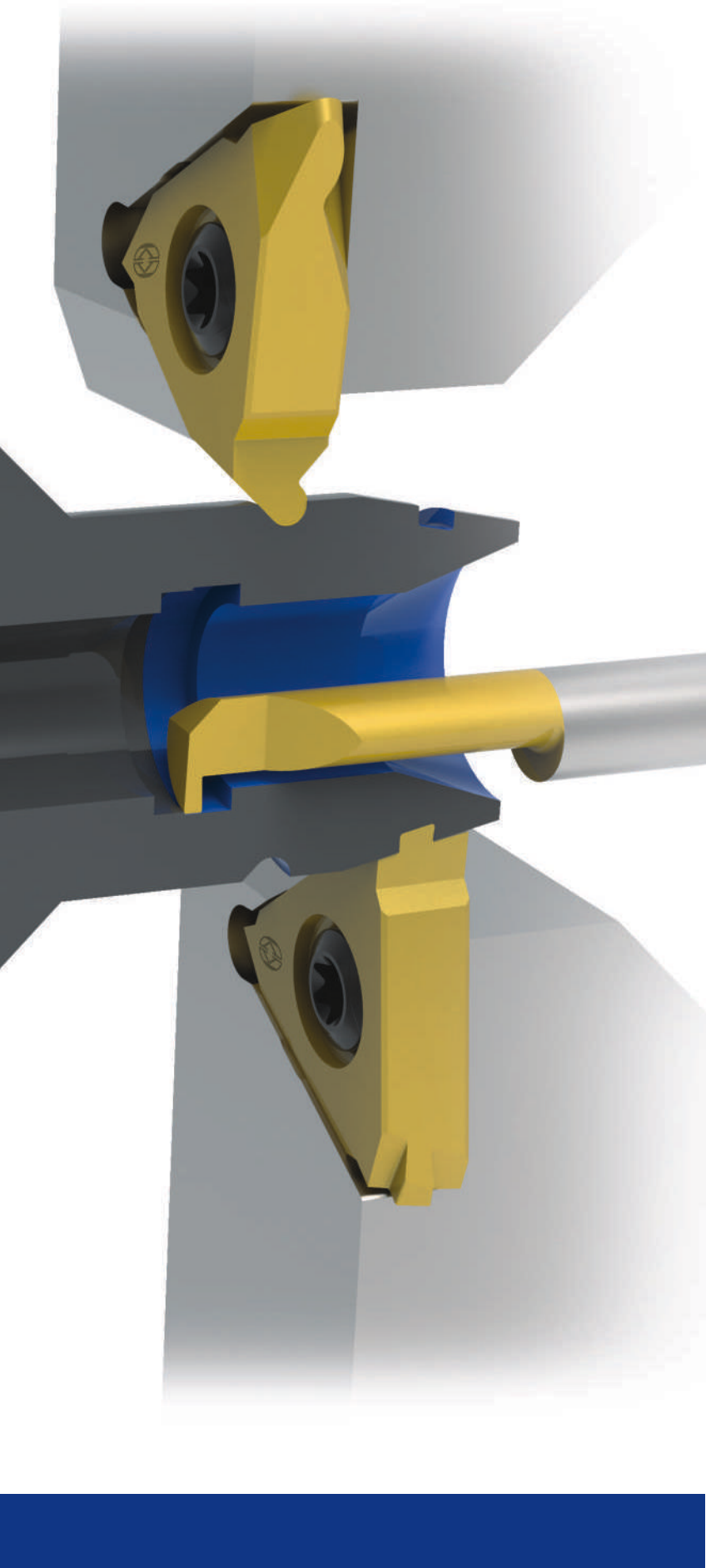
Алтайский край, г. Барнаул, ул. Балтийская, 24

cncmagazine.ru
sales@cncmagazine.ru
8 (800) 555 41 16
Звонки по РФ бесплатно



Перейти на сайт



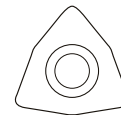
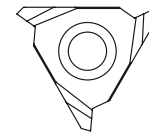
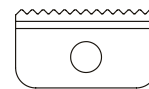
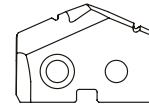
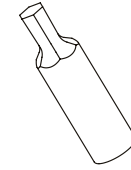
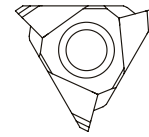
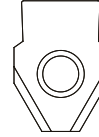
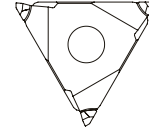
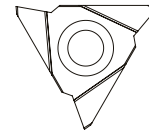


1986 yılında Abdullah KARAKUŞ tarafından kurulan AKKO Makina Sanayi ve Ticaret A.Ş. Tornalama Takımları, Diş ve Kanal Açma Takımları, Delik Delme Takımları, Frezeleme Takımları ve talebe yönelik Özel Takımları üretmektedir. Şu an 39.000 m²' ye yakın bir alanda Türkiye, Japonya, Almanya, İsviçre gibi ülkelerin ürettikleri son teknoloji tezgah ve ekipmanlarıyla yıllık 400.000 adet üretim kapasitesiyle, standart 10.000 çeşit takım üretimi yapmaktadır. Avrupa, Asya, Afrika, Güney Amerika, Kuzey Amerika ve Orta Doğu kıtalarında şimdilik 90 ülkeye ürün sevkiyatına devam etmektedir. Minimum 300.000 adet üretilmiş ürün stoklarında mevcut bulunmaktadır. Firma için özel üretilen çelik hammadde işleme girer ve bütün üretim süreci kendi bünyesinde gerçekleşmektedir. Çeliğin işlenmesi, ısıtma işlemi, üzerindeki kaplama ve her türlü üretim operasyonları bir entegre tesis olan AKKO'da yapılmaktadır.

We as AKKO Makina Sanayi ve Ticaret A.Ş. which has been founded by Abdullah KARAKUŞ in 1986, produces Turning Tool Holders, Threading and Grooving Tool Holders, U-Drills, Milling Tool Holders, and Precision Tool Holders (OEM Tool Holders) on-demand. We produce standard 10.000 kinds of tool holders with a production capacity of 400.000 pieces per annum in an area of about 39.000 square meters. We are going on exporting to 90 countries including European, Asian, African, South American Countries, North American Countries, and Middle East Countries. We keep ready about 300.000 pieces produced products in our stock. Steel Raw materials that we make produced especially for us are delivered our factory and all production process are made in our factory. All kinds of operations from machining of steel to heat treatment and coating on our tools are made in our integrated factory AKKO.

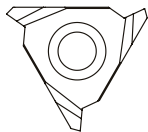
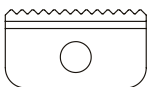
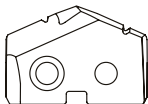
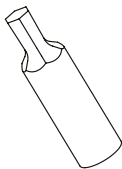
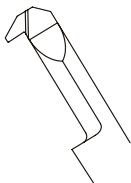
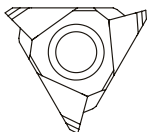
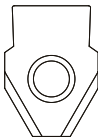
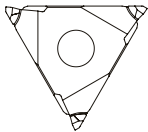
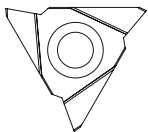
Wir die Firma AKKO Makina Sanayi ve Ticaret A.Ş. welches durch Herrn Abdullah Karakuş in 1986 gegründet wurde, produzieren Dreh-, Gewinde- und Stechwerkzeuge für Wendeschneidplatten. Ebenso gehören Wendeplattenbohrer, Wendeplattenfräser und Sonderwerkzeuge nach Anfrage für Wendeplatten zum Lieferprogramm. Alle Werkzeuge sind auch als OEM-Version lieferbar. Wir produzieren 10.000 standart Arten der Werkzeughalter mit einer Produktionskapazität von 400.000 Stücken per anum auf einer Fläche von 39.000 quadrat meter. Wir exportieren unsere eigenproduzierten Ware nach 90 Ländern, Europa, Asien, Afrika, Süd amerikanische Länder, Mittlerer Osten. Lieferbereit halten wir 300.000 Stück produzierte Produkte auf Lager. Das eingesetzte Rohmaterial wird speziell für unsere Firma produziert. Alle Produktionsschritte werden auf unseren eigenen Anlagen veranlasst. Alle einzelnen Produktionsschritte wie z.B. mechanische Bearbeitung, Wärmebehandlung und Beschichtung unserer Werkzeuge erfolgen auf unseren eigenen Maschinenanlagen.

S8-S11 S8-S11 S8-S11	POLY-V KAYIŞ KASNAK KANAL AÇMA UÇLARI VE TAKIMLARI TEK KANALLI POLY-V UÇLARI VE TAKIMLARI ÇİFT KANALLI POLY-V UÇLARI VE TAKIMLARI ÇOK KANALLI POLY-V UÇLARI VE TAKIMLARI
S12-S15 S12-S15 S12-S15	KANAL AÇMA, YÜZEY KANAL AÇMA UÇLARI VE TAKIMLARI YÜZEY KANAL AÇMA UÇLARI VE TAKIMLARI RADYUSLU KÖŞE BOŞALTMA UÇLARI VE TAKIMLARI ÖZEL KANAL UCU BİLGİ ALMA FORMU
S16-S19 S16-S19 S16-S19 S16-S19 S16-S19	BROŞ ÇEKME (KAMA) UÇLARI VE TAKIMLARI BROŞ ÇEKME TAKIMLARI BROŞ ÇEKME (KAMA) UÇLARI (DIN138) (C11 TOLERANS) BROŞ (KAMA) UÇLARI (DIN6885) (P9 TOLERANS) KAMA KANALI PAH KIRMA UÇLARI ÖZEL PROFİL BROŞ UCU BİLGİ ALMA FORMU
S26-S29 S26-S29 S26-S29 S26-S29 S26-S29 S26-S29	WHIRLING UÇLARI VE TAKIMLARI WHIRLING TAKIMLARI (RING) WHIRLING UÇLAR (ISO 5835) WHIRLING UÇLAR (ISO 9268) WHIRLING UÇLAR (ISO 9268) WHIRLING UÇLAR (METRİK DIN 13) WHIRLING UÇLAR BİLGİ ALMA FORMU
S31 S32-S40 S41 S42 S43 S45	MINİ CUT TAKIMLAR DELİK İÇİ MINİ CUT TAKIMLAR KANAL AÇMA MINİ CUT TAKIMLAR DIŞ ÇEKME MINİ CUT TAKIMLAR ALIN KANALI AÇMA TAKIMLARI ÖZEL PROFİL MINİ CUT TAKIMLAR BİLGİ ALMA FORMU MINİ CUT TUTUCULAR
S47 S47 S48 S48 S49	TORX – ALYAN / PUNCH - KAZIMA TAKIMLARI TORX PUNCH TAKIMLARI ALYAN PUNCH TAKIMLARI TORX KAZIMA TAKIMLARI ALYAN KAZIMA TAKIMLARI DÖNER BROŞ AÇMA TAKIMLARI
S50	S-DRILL TAKMA UÇLU MATKAP TAKIMLARI VE UÇLARI S-DRILL UÇLAR
S52-S53 S54 S55	DIŞ AÇMA FREZELEME TAKIMLARI VE UÇLARI DIŞ AÇMA FREZELEME TAKIMLARI C14-C21 DIŞ TARAĞI UÇLARI DIŞ UCU ÖZEL PROFİL BİLGİ ALMA FORMU
S57 S58 S59	SEGMAN UÇLARI VE TAKIMLARI SEGMAN TAKIMLARI SEGMAN UÇLARI (DIN471) ÖZEL PROFİL SEGMAN UÇLARI BİLGİ ALMA FORMU
ÖZEL ÇÖZÜMLER	
S71-S72 S73-S74 S74 S75	SUPAP YUVASI İŞLEME UÇLARI VE TAKIMLARI SUPAP YUVASI İŞLEME TAKIMLARI SUPAP YUVASI İŞLEME UÇLARI SUPAP YUVASI İŞLEME ÖZEL UÇ BİLGİ ALMA FORMU PILOT MILLER
S76-S95 S96-S103 S104-S106	ISO UÇLAR WCMX/SPMX UÇLAR KESME VE KANAL AÇMA UÇLARI AYARLANABİLİR BARA UÇLARI



İÇİNDEKİLER

CONTENTS



POLY-V BELT PULLEY GROOVING INSERTS AND TOOLHOLDERS	
INSERTS FOR GROOVING SINGLE V-RIBBED PULLEYS	P8-P11
INSERTS FOR GROOVING DOUBLE V-RIBBED PULLEYS	P8-P11
INSERTS FOR GROOVING MULTI V-RIBBED PULLEYS	P8-P11

GROOVING, FACE GROOVING INSERTS AND TOOLHOLDERS	
FACE GROOVING INSERTS AND TOOLHOLDERS	P12-P15
INSERTS AND TOOLHOLDERS FOR GROOVING CORNER RELIEFS WITH RADIUS	P12-P15
INFORMATION FORM FOR SPECIAL GROOVING INSERTS	P12-P15

BROACHING (KEYWAY) INSERTS AND TOOLHOLDERS	
BROACHING TOOLHOLDERS	P16-P19
BROACHING (KEYWAY) INSERTS (DIN138) (TOLERANCE C11)	P16-P19
BROACHING (KEYWAY) INSERTS (DIN6885) (TOLERANCE P9)	P16-P19
INSERTS FOR KEYWAY CHAMFERING	P16-P19
INFORMATION FORM FOR SPECIAL PROFILE BROACHING INSERTS	P16-P19

WHIRLING INSERTS AND TOOLHOLDERS	
WHIRLING TOOLHOLDERS	P26-P29
WHIRLING INSERTS (ISO 5835)	P26-P29
WHIRLING INSERTS (ISO 9268)	P26-P29
WHIRLING INSERTS (ISO 9268)	P26-P29
WHIRLING INSERTS (METRIC DIN 13)	P26-P29
INFORMATION FORM FOR WHIRLING INSERTS	P26-P29

MINI CUT TOOLS	
INTERNAL MINI CUT TOOLS	P31
GROOVING MINI CUT TOOLS	P32-P40
THREADING MINI CUT TOOLS	P41
MINI CUT FACE GROOVING TOOLS	P42
INFORMATION FORM FOR SPECIAL PROFILE MINI CUT TOOLS	P43
MINI CUT HOLDERS	P45

TORX - ALLEN / PUNCH - BROACH SET	
TORX PUNCH	P47
ALLEN PUNCH	P47
TORX BROACH	P48
ALLEN BROACH	P48
ROTARY BROACH TOOL HOLDER	P49

INDEXABLE S-DRILLS AND INSERTS	
INDEXABLE S-DRILL INSERTS	P50

THREAD MILLING TOOLHOLDERS AND INSERTS	
THREAD MILLING TOOLHOLDERS AND INSERTS	P52-P53
C14-C21 THREAD PITCH GAUGE INSERTS	P54
INFORMATION FORM FORE SPECIAL PROFILE THREADING INSERT	P55

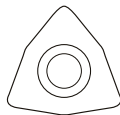
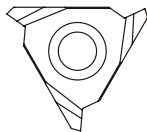
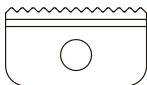
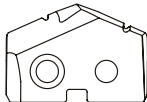
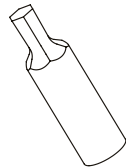
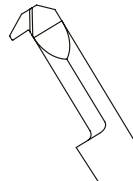
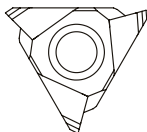
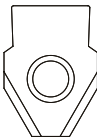
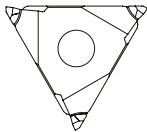
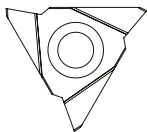
RING INSERTS AND TOOLHOLDERS	
RING TOOLHOLDERS	P57
RING INSERTS (DIN471)	P58
SPECIAL PROFILE RING INSERTS INFORMATION FORM	P59

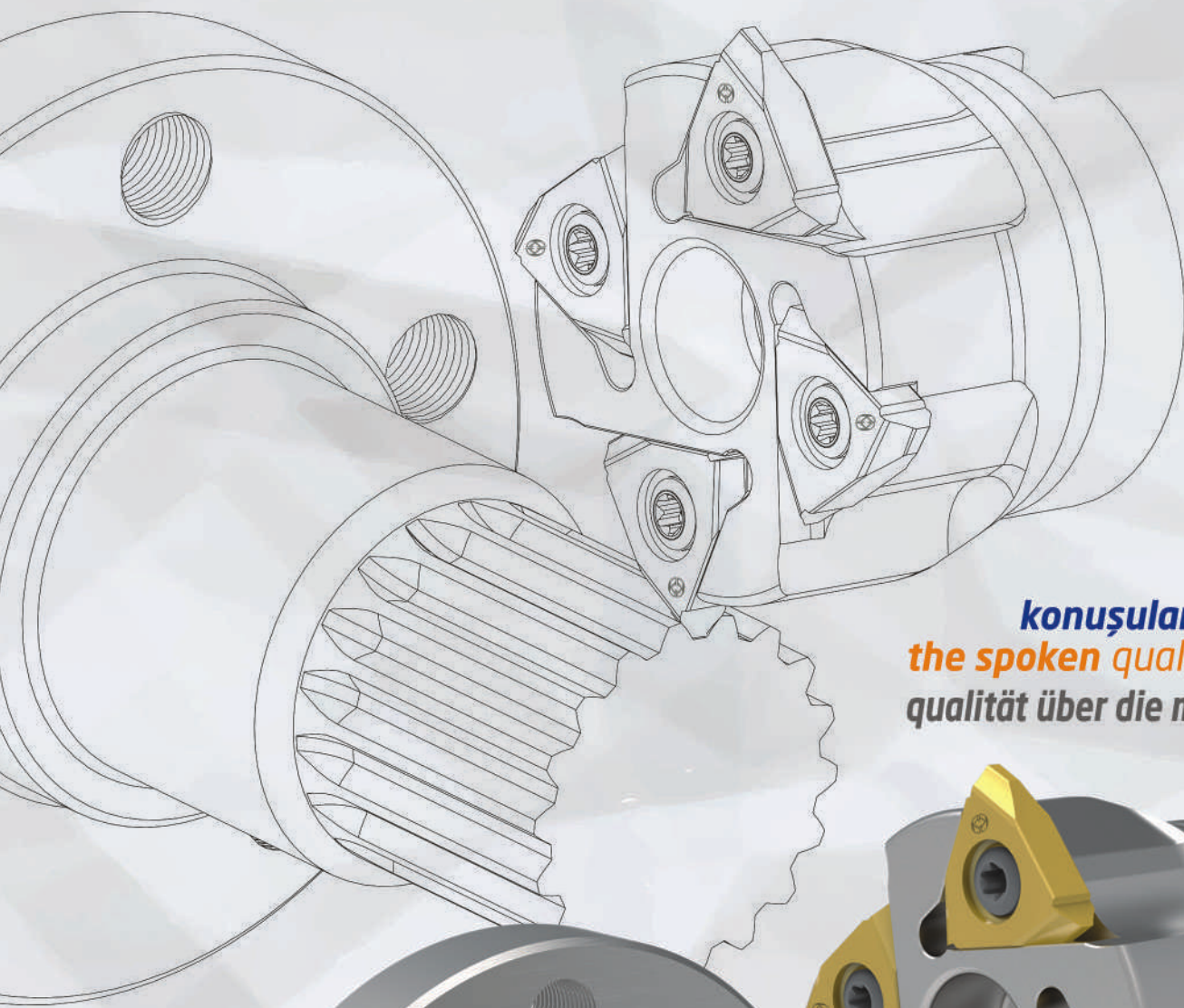
SPECIAL SOLUTIONS	
--------------------------	--

VALVE SEAT INSERTS AND TOOLHOLDERS	
VALVE SEAT TOOLHOLDERS	P71-P72
VALVE SEAT INSERTS	P73-P74
INFORMATION FORM FOR VALVE SEAT INSERTS	P74
CARBIDE PILOT FOR VALVE SEAT	P75

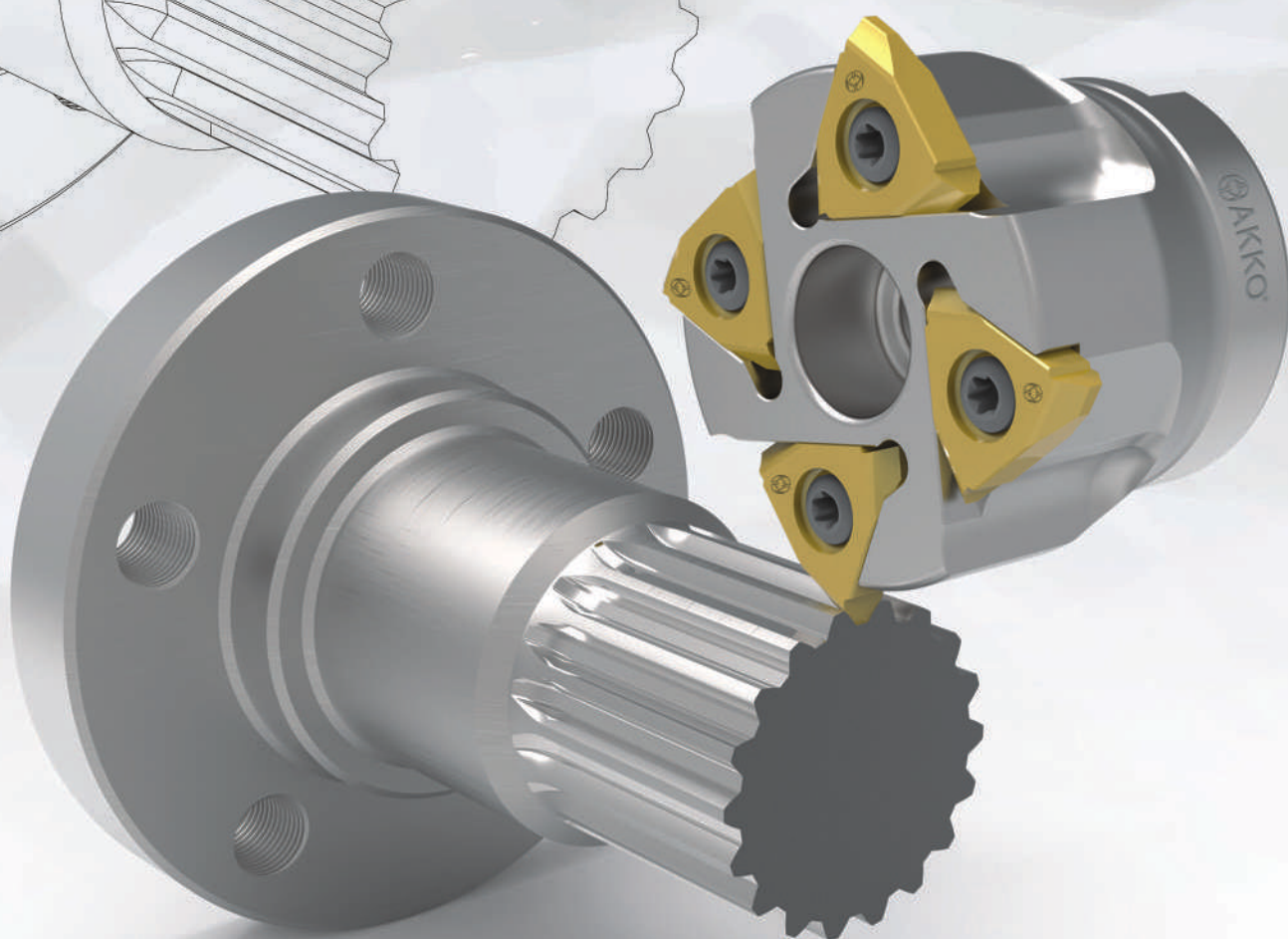
ISO INSERTS	
WCMX-SPMX INSERTS	P76-P95
GROOVING & PARTING INSERT	P96-P103
ADJUSTABLE BORING INSERT	P104-P106

P8-P11 P8-P11 P8-P11	WENDESCHNEIDPLATTEN UND WERKZEUGE FÜR POLY-V RIEMENSCHNITTEN WENDESCHNEIDPLATTEN UND WERKZEUGE ZUM NUTEN VON KEILRIPPENSCHNITTEN WENDESCHNEIDPLATTEN UND WERKZEUGE ZUM NUTEN VON DUAL KEILRIPPENSCHNITTEN WENDESCHNEIDPLATTEN UND WERKZEUGE ZUM NUTEN VON MULTI KEILRIPPENSCHNITTEN
P12-P15 P12-P15 P12-P15	WENDESCHNEIDPLATTEN UND WERKZEUGE FÜR NUTEN UND OBERFLÄCHENNUTEN WENDESCHNEIDPLATTEN UND WERKZEUGE FÜR OBERFLÄCHENNUTEN WENDESCHNEIDPLATTEN UND WERKZEUGE FÜR AXIAL FREISTICHE INFORMATIONSFÖRM FÜR SONDER WENDESCHNEIDPLATTEN
P16-P19 P16-P19 P16-P19 P16-P19 P16-P19	WENDESCHNEIDPLATTEN UND WERKZEUGHALTER FÜR DIE NUTBEARBEITUNG WERKZEUGHALTER FÜR DIE NUTBEARBEITUNG WENDESCHNEIDPLATTEN FÜR DIE NUTBEARBEITUNG WENDESCHNEIDPLATTEN FÜR DIE NUTBEARBEITUNG (DIN6885) (P9 TOLERANZ) WENDESCHNEIDPLATTEN FÜR KEILNUTUNGSBEARBEITUNGEN INFORMATIONSFÖRMULAR FÜR SONDER WENDESCHNEIDPLATTEN ZURNUTUNGSBEARBEITUNGEN
P26-P29 P26-P29 P26-P29 P26-P29 P26-P29 P26-P29	WENDESCHNEIDPLATTEN UND WERKZEUGHALTER ZUM GEWINDEWIRBELN GEWINDEWIRBEL (RING) GEWINDEWIRBEL FÜR (ISO 5835) GEWINDEWIRBEL FÜR (ISO 9268) GEWINDEWIRBEL FÜR (ISO 9268) GEWINDEWIRBEL FÜR (METRIK DIN 13) INFORMATIONSFÖRM FÜR GEWINDEWIRBEL
P31 P32-P40 P41 P42 P43 P45	MINI CUT WERKZEUGE MINI CUT WERKZEUGE FÜR INNENBOHRUNG MINI CUT WERKZEUGE FÜR NUTEN GEWINDE MINI CUT WERKZEUGE WENDESCHNEIDPLATTEN INFORMATIONSFÖRM FÜR SONDERPROFIL MINI CUT WERKZEUGE MINI CUT HALTER
P47 P47 P48 P48 P49	WINKELSCHRAUBENDREHER / EINSATZRING SET TORX STANZWERKZEUGE WINKELSCHRAUBENDREHER WERKZEUGE SCHRAUBENRING WINKELSCHRAUBENDREHERRING HALTER FÜR ROTATIONSRAUMWERKZEUGE
P50	S-SYSTEM VOLLBOHRER/BEZEICHNUNGSSYSTEM FÜR VOLLBOHRER S-SYSTEM BOHRSPITZEN
P52-P53 P54 P55	GEWINDEFÄSSERWERKZEUGE GEWINDEFÄSSERWERKZEUGE WENDESCHNEIDPLATTEN FÜR C14-C21 GEWINDESTÄIGUNG INFORMATIONSFÖRMULAR FÜR SONDER GEWINDEPLATTEN
P57 P58 P59	RINGPLATTEN UND WERKZEUGE RINGPLATTEN WERKZEUGE RINGPLATTEN (DIN471) INFORMATIONSFÖRM FÜR SONDERRINGPLATTEN
SONDERLÖSUNGEN	
P71-P72 P73-P74 P74 P75	WENDESCHNEIDPLATTEN UND WERKZEUGE FÜR VENTILSITZE WENDESCHNEIDPLATTEN FÜR VENTILSITZE BOHRUNGSSPITZEN FÜR VENTILSITZ BEARBEITUNG INFORMATIONSFÖRM FÜR SONDER VENTILSITZ BEARBEITUNG METALLSCHAFT FÜR VENTILSITZ
P76-P95 P96-P103 P104-P106	ISO WENDESCHNEIDPLATTE WCMX-SPMX WENDESCHNEIDPLATTE AUSSTECH UND EINSTECHWENDESCHNEIDPLATTEN EINSTELLBARE WENDESCHNEIDPLATTEN FÜR SPINDELKÖPFE





konusulan kalite...
the spoken quality...
qualität über die man spricht...



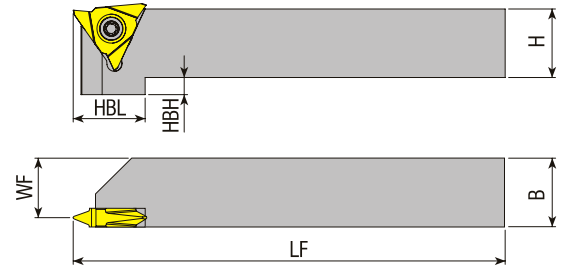
POLY-V

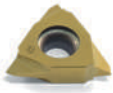
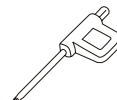
KAYIŞ KASNAK KANAL AÇMA UÇLARI VE TAKIMLARI

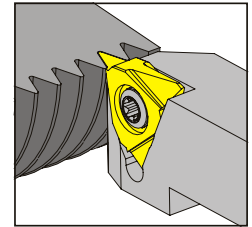
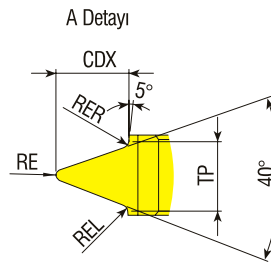
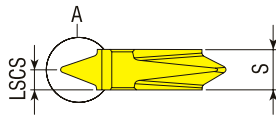
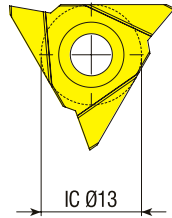
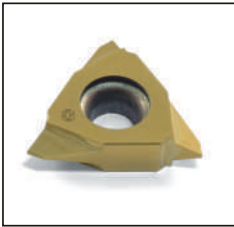
POLY-V BELT PULLEY GROOVING INSERTS AND TOOLHOLDERS

WENDESCHNEIDPLATTEN UND WERKZEUGE FÜR
POLY-V RIEMENSCHNITTEN





Takım Kodu Ordering Code Bestell-Bezeichnung	Stok Stock Lager		Takım Ölçüleri (mm) Dimension (mm) Abmessung (mm)						Kesici Uç Insert Wendeschnidplatte	Yedek Parçaları / Spare Parts / Ersatzteile	
	R	L	H	B	WF	LF	HBL	HBH		Sıkma Vidası Screw Schraube	Tork Anahtar Torx Key Torx-Schlüssel
											
ADKT-T12P-R/L-1616-T5	●	●	16	16	13.50	125	21	5	T12...	1020-M5x14	80-T20
ADKT-T12P-R/L-2020-T5	●	●	20	20	17.50	125	21	5			
ADKT-T12P-R/L-2525-T5	●	●	25	25	22.50	150	-	-			
ADKT-T12P-R/L-3232-T5	●	●	32	32	29.50	170	-	-			



Uç Kodu Insert Code Wendepalten-Bezeichnung	Stok Stock Lager		Uç Ölçüleri (mm) Insert Dimension (mm) Abmessung (mm)							Kalite Grade Sorte
	R	L	DIN/ISO KODU	TP	S	RE	RER / REL	LSCS	CDX	
T12.10.0234.PJ.R/L	●	●	PJ	2.34	5.20	0.36	0.24	2.60	2.08	VK20F01
T12.10.0356.PK.R/L	●	●	PK	3.56	5.20	0.44	0.35	2.60	3.40	VK20F01
T12.10.0470.PL.R/L	●	●	PL	4.70	5.20	0.36	0.45	2.60	4.90	VK20F01

R: Sağ / Right / Rechts; L: Sol / Left / Links

● Stokta / In Stock / Auf Lager ○ Stokta Yok / Non Stock Item / Kein Lagerartikel, Lieferzeit auf Anfrage

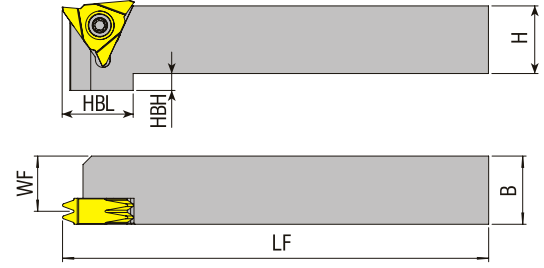
ADKT-T12P...Tipi kâterler ile kullanınız. / Use with ADKT-T12P... Type toolholder. / Einsatz mit ADKT-T12P...-Werkzeughalter

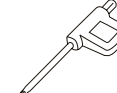
İndeksleğinde boy $\pm 0,02\text{mm}$ / Indexability length $\pm 0,02\text{mm}$ / Wiederholgenauigkeit Länge $\pm 0,02\text{mm}$

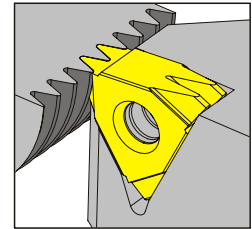
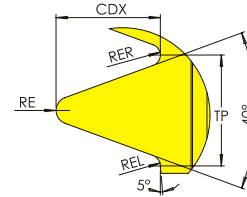
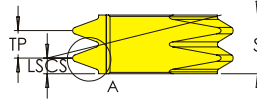
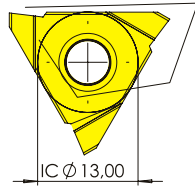
Diğer ölçü talepleriniz için müşteri temsilciniz ile irtibata geçiniz. / For other dimension request, contact with customer representative. / Für weitere Abmessungen kontaktieren Sie bitte den Vertrieb.

Sipariş Örneği/Ordering Example/Bestellbeispiel

1 ad./pcs./stück ADKT-T12P-R-1616-T5



Takım Kodu Ordering Code Bestell-Bezeichnung	Stok Stock Lager		Takım Ölçüleri (mm) Dimension (mm) Abmessung (mm)						Kesici Uç Insert Wendeschneidplatte	Yedek Parçaları / Spare Parts / Ersatzteile	
	R	L	H	B	WF	LF	HBL	HBH		Sıkma Vidası Screw Schraube	Tork Anahtar Torx Key Torx-Schlüssel
											
ADKT-T30P-R-1616-3.56	●	●	16	16	12.2	125	20	5	T30...	1020x M4.5 X14	80-T20
ADKT-T30P-R-1616-2.34	●	●	16	16	12.2	125	20	5			
ADKT-T30P-R-2020-3.56	●	●	20	20	16.2	125	20	3			
ADKT-T30P-R-2020-2.34	●	●	20	20	16.2	125	20	3			
ADKT-T30P-R-2525-3.56	●	●	25	25	21.2	150	-	-			
ADKT-T30P-R-2525-2.34	●	●	25	25	21.2	150	-	-			
ADKT-T30P-R-3232-3.56	●	●	32	32	28.2	170	-	-			
ADKT-T30P-R-3232-2.34	●	●	32	32	28.2	170	-	-			



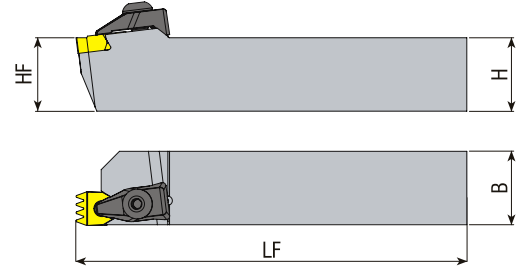
Uç Kodu Insert Code Wendeplatten-Bezeichnung	Stok Stock Lager	Uç Ölçüleri (mm) Insert Dimension (mm) Abmessung (mm)						Kalite Grade Sorte
		DIN/ISO KODU	TP	S	RER/RE	LSCS	CDX	
T30.07.0234.PJ.x2	●	PJ	2.34	7.60	0.24	2.60	2.08	VK20F01
T30.07.0356.PK.x2	●	PK	3.56	7.60	0.35	2.60	3.40	VK20F01

R: Sağ / Right / Rechts L: Sol / Left / Links

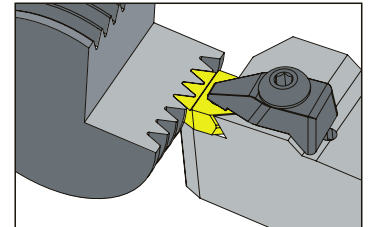
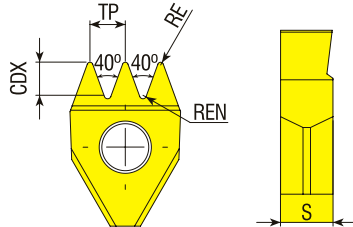
● Stokta / In Stock / Auf Lager ○ Stokta Yok / Non Stock Item / Kein Lagerartikel, Lieferzeit auf Anfrage

Sipariş Örneği/Ordering Example/Bestellbeispiel

1 ad./pcs./stück ADKT-T30P-R-1616-3.56



Takım Kodu Ordering Code Bestell-Bezeichnung	Stok Stock Lager		Takım Ölçüleri (mm) Dimension (mm) Abmessung (mm)			Kesici Uç Insert Wendeschnidplatte	Yedek Parçaları / Spare Parts / Ersatzteile		
	R	L	HF=H	B	LF		Baskı Pabucu Wedge Clamp Spannpratze	Pabuç Vidası Clamp Screw Schraube	Anahtar Allen Key Innensechskantschlüssel
									
ATPVK 2020 K2.34X4	●	○	20	20	125	B26.07.0234PJ.x4	ATK-04	AKV-19-M7X25	AAL-05-4
ATPVK 2525 M2.34X4	○	○	25	25	150				
ATPVK 3232 P2.34X4	●	○	32	32	170				
ATPVK 2020 K3.56X4	○	○	20	20	125	B26.07.0356PK.x4			
ATPVK 2525 M3.56X4	○	○	25	25	150				
ATPVK 3232 P3.56X4	●	○	32	32	170				
ATPVK 2020 K4.7X3	○	○	20	20	125	B26.07.0470PL.x3			
ATPVK 2525 M4.7X3	○	○	25	25	150				
ATPVK 3232 P4.7X3	●	○	32	32	170				



Uç Kodu Insert Code Wendepatten-Bezeichnung	Stok Stock Lager	Uç Ölçüleri (mm) Insert Dimension (mm) Abmessung (mm)						Kalite Grade Sorte
		DIN/ISO KODU	TP	S	RE	REN	CDX	
B26.07.0234.PJx4	●	PJ	2.34	7	0.36	0.24	2.05	VK10F01
new B26.07.0356.PKx3	●	PK	3.56	7	0.45	0.35	3.35	VK10F01
B26.07.0356.PKx4	●	PK	3.56	7	0.45	0.35	3.35	VK10F01
B26.07.0470.PLx3	●	PL	4.70	7	0.38	0.45	4.85	VK10F01

R: Sağ / Right / Rechts; L: Sol / Left / Links

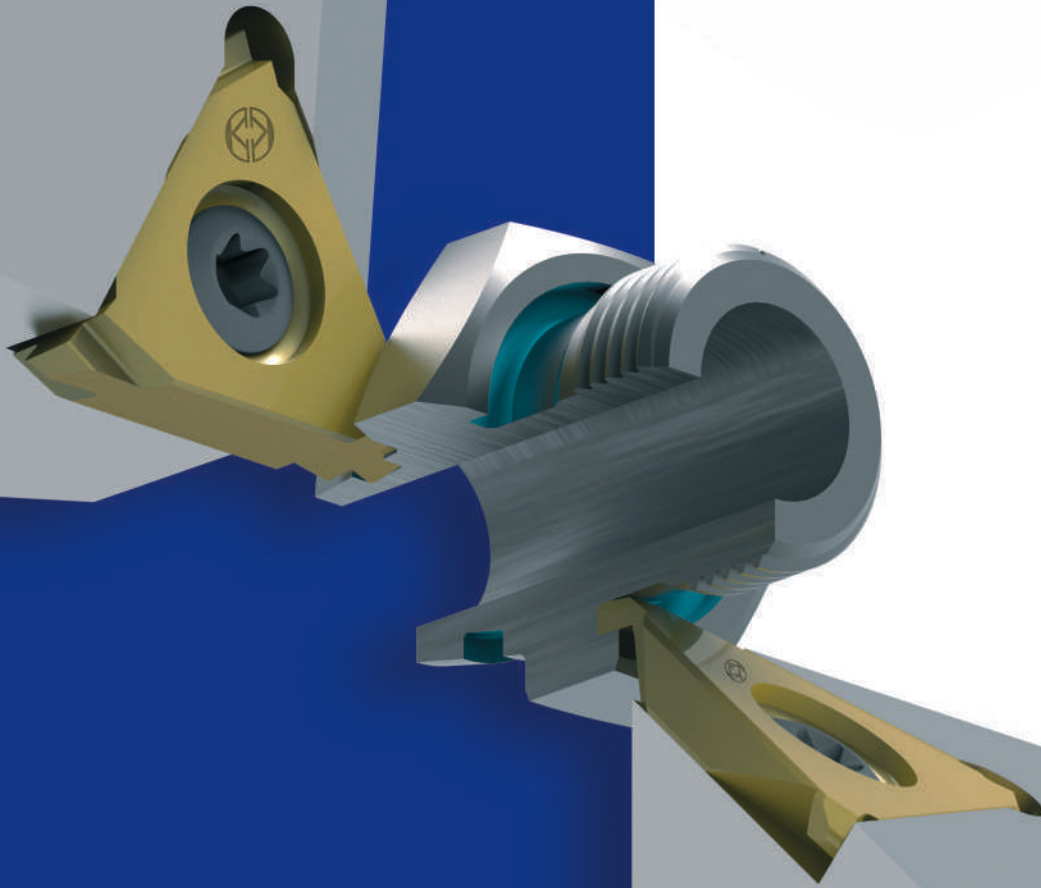
● Stokta / In Stock / Auf Lager ○ Stokta Yok / Non Stock Item / Kein Lagerartikel, Lieferzeit auf Anfrage

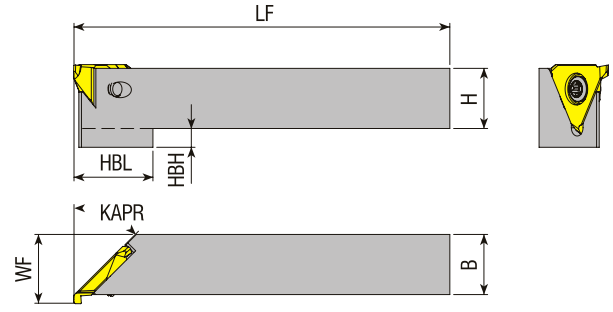
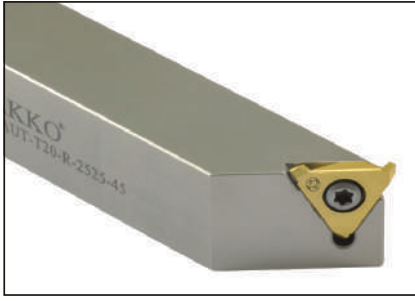
Sipariş Örneği/Ordering Example/Bestellbeispiel

1 ad./pcs./stück ATPVK 2020 K2.34X4

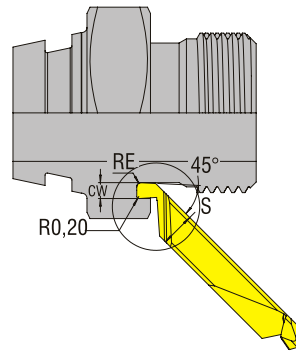
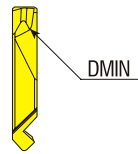
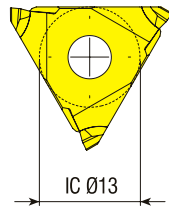
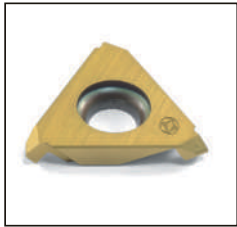
KANAL AÇMA

KANAL AÇMA, KÖŞE BOŞALTMA UÇLARI ve TAKIMLARI
INSERTS and TOOLHOLDERS FOR GROOVING CORNER RELIEFS
WENDESCHNEIDPLATTEN UND WERKZEUGE FÜR
AXIAL FREISTICHE





Takım Kodu Ordering Code Bestell-Bezeichnung	Stok Stock Lager		Takım Ölçüleri (mm) Dimension (mm) Abmessung (mm)							Kesici Uç Insert Wendesch neidplatte	Yedek Parçaları / Spare Parts / Ersatzteile	
	R	L	H	B	WF	LF	HBL	HBH	KAPR		Sıkma Vidası Screw Sch raube	Tork Anahtar Torx Key Torx-Sch lüssel
												
AAUT-T20-R/L-1616-45	●	●	16	16	18.3	125	21	5	45°	T20...	1020-M5x7.5	80-T20
AAUT-T20-R/L-2020-45	●	●	20	20	22.3	125	21	5	45°			
AAUT-T20-R/L-2525-45	●	●	25	25	27.3	150	-	-	45°			



Sağ versiyon gösterilmiştir
Right hand version shown
Abbildung zeigt rechte Ausführung

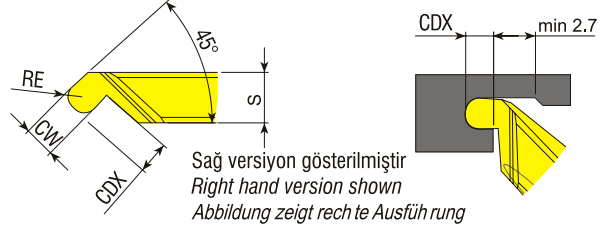
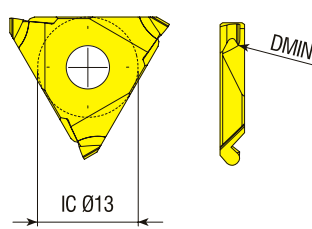
Uç Kodu Insert Code Wendepatten-Bezeichnung	Stok Stock Lager		Uç Ölçüleri (mm) Insert Dimension (mm) Abmessung (mm)					Kalite Grade Sorte	Minimum Çap Ø Minimum Diameter Ø Kleinstes Durchmesser	Kanal Derinliği Depth of Groove Up to Stech tiefe bis zu	Kanal Genişliği Width of Groove Stech breite
	R	L	CW	S	RE	CDX	DMIN				
T20.00.0815.45.04R/L	●	●	1.5	3.25	0.4	1.6	8	VK20F01	8	1.6	1.5
T20.00.1220.45.05R/L	●	●	2.0	3.25	0.5	1.8	12	VK20F01	12	1.8	2.0
T20.00.2024.45.06R/L	●	●	2.4	3.25	0.6	2.0	20	VK20F01	20	2.0	2.4

AAUT. Tipi katerlerle kullanınız. / Use with AAUT type toolholder. / Einsatz mit AAUT-Werkzeughalter

Kullanım öncesinde dip boşluk işlenmiş olmalıdır. / The undercut must be placed before axial machining. / Der Freistich muss vor der Axialbearbeitung gefertigt werden

İndekslediğinde boy ± 0.02 mm / Indexability length ± 0.02 mm / Wiederholgenauigkeit Länge $\pm 0,02$ mm

Sipariş Örneği/Ordering Example/Bestellbeispiel
1 ad./pcs./stück AAUT-T20-R/L-1616-45



Uç Kodu Insert Code Wendepalten-Bezeichnung	Stok Stock Lager		Uç Ölçüleri (mm) Insert Dimension (mm) Abmessung (mm)					Kalite Grade Sorte	Minimum Çap Ø Minimum Diameter Ø Kleinstes Durchmesser	Kanal Derinliği Depth of Groove Up to Stech tiefe bis zu	Kanal Genişliği Width of Groove Stech breite
	R	L	CW	S	RE	CDX	DMIN				
T20.00.1220.45.10R/L	●	●	2.0	3.25	1.0	1.8	12	VK20F01	12	1.8	2

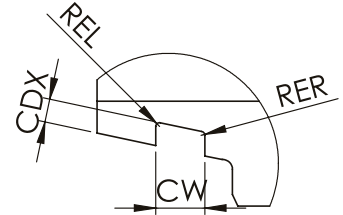
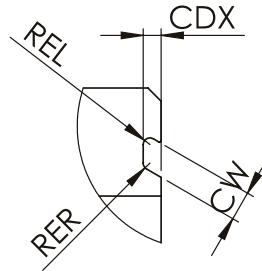
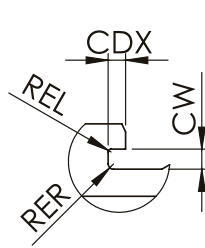
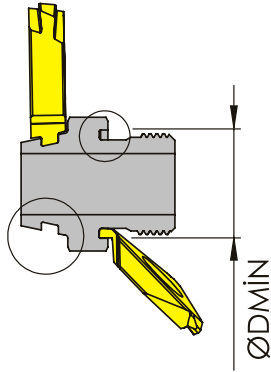
AAUT. Tipi katerlerle kullanınız. / Use with AAUT type toolholder. / Einsatz mit AAUT-Werkzeughalter
Kullanım öncesinde dip boşluk işlenmiş olmalıdır. / The undercut must be placed before axial machining. / Der Freistich muss vor der Axialbearbeitung gefertigt werden
İndekslediğinde boy $\pm 0.02\text{mm}$ / Indexability length $\pm 0.02\text{mm}$ / Wiederholgenauigkeit Länge $\pm 0,02\text{ mm}$

R: Sağ / Right / Rechts L: Sol / Left / Links

● Stokta / In Stock / Auf Lager ○ Stokta Yok / Non Stock Item / Kein Lagerartikel, Lieferzeit auf Anfrage

Sipariş Örneği/Ordering Example/Bestellbeispiel

1 ad./pcs./stück T20.00.1220.45.10R/L

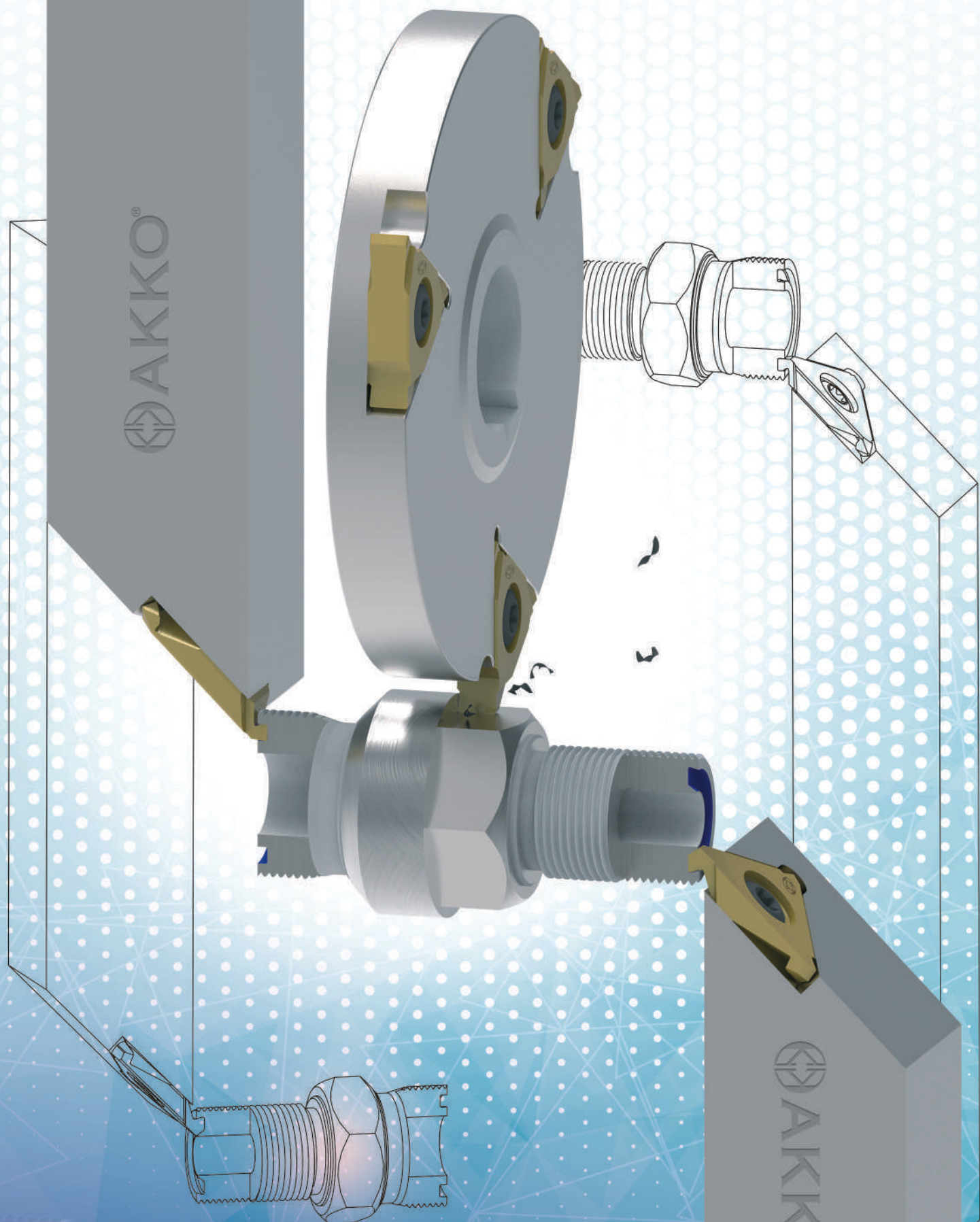


ÖZEL KANAL UCU BİLGİ ALMA FORMU
INFORMATION FORM FOR SPECIAL GROOVING INSERTS
INFORMATIONSFÖRM FÜR SONDER WENDESCHNEIDPLATTEN

CW	CDX	RER	REL	DMIN	İSPARÇASI MALZEMESİ / WORKPIECE MATERIAL/ WERKSTÜCKMATERIAL

Farklı özel profilleri için lütfen irtibata geçiniz. / Please contact for different special profiles. / Bitte kontaktieren Sie uns für Sonderwendeschneidplatten

export@akko.com.tr adresine teknik resim göndermeniz halinde iş parçanıza özel tasarımlar yapılabilir. / If you send a technical drawing to export@akko.com.tr special designs can be made for your workpiece. / Bei Einreichung von der technischne Zeichnung an export@akko.com.tr können auch Werkzeug spezifische Entwürfe hergestellt werden.



KANAL AÇMA
GROOVING
EINSTECHBOHRUNG

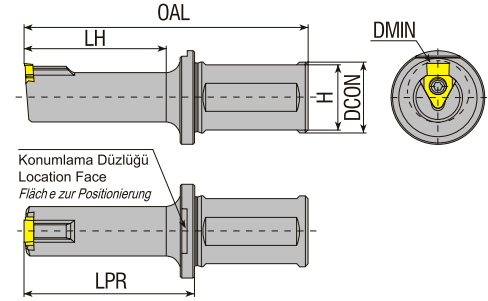
BROŞ

BROŞ ÇEKME UÇLARI ve TAKIMLARI

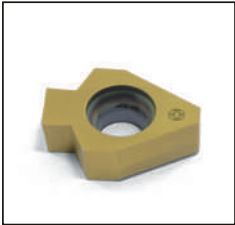
BROACHING INSERTS and TOOLHOLDERS

**WENDESCHNEIDPLATTEN UND WERKZEUGHALTER FÜR
DIE NUTBEARBEITUNG**

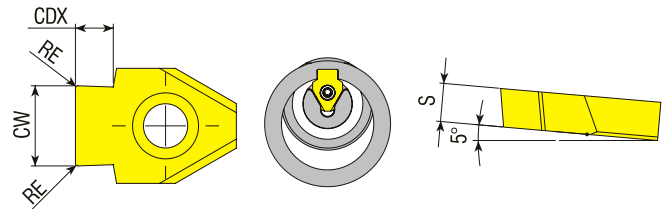




Takım Kodu Ordering Code Bestell-Bezeichnung	Stok Stock Lager	Takım Ölçüleri (mm) Dimension (mm) Abmessung (mm)						Kesici Uç Insert Wendeschneidplatte	Yedek Parçaları / Spare Parts / Ersatzteile	
		DMIN	LH	DCON	OAL	LPR	H		Sıkma Vidası Screw Schraube	Tork Anahtar Torx Key Torx-Schlüssel
ABT-B41-D17-Y25-L90-I040	●	17	40	25	90	50	23			
ABT-B41-D17-Y25-L105-I065	●	17	65	25	105	75	23			
ABT-B41-D22-Y25-L100-I050	●	22	50	25	100	60	23			
ABT-B41-D22-Y25-L125-I070	●	22	70	25	125	80	23			
ABT-B42-D30-Y32-L100-I050	●	30	50	32	100	60	30			
ABT-B42-D30-Y32-L125-I075	●	30	75	32	125	85	30			
ABT-B42-D30-Y32-L170-I110	●	30	110	32	170	120	30			
ABT-B42-D38-Y32-L100-I050	●	38	50	32	100	60	30			
ABT-B42-D38-Y32-L125-I075	●	38	75	32	125	85	30			
ABT-B42-D40-Y32-L100-I050	●	40	50	32	100	60	30			
ABT-B42-D40-Y32-L125-I075	●	40	75	32	125	85	30			



DIN138 (Tolerans C11) torna ve freze tezgahlarında broş çekme uçları.
DIN138 (Tolerance C11) inserts for keyway broaching on lathe and milling machines.
DIN 138 (Toleranz C11) Wendeplatten für Keilnutenfertigung auf Dreh- und Fräsmaschinen



Uç Kodu Insert Code Wendeplatten-Bezeichnung	Stok Stock Lager	Uç Ölçüleri (mm) Insert Dimension (mm) Abmessung (mm)					UYUMLU TAKIM / COMPATIBLE TOOLHOLDER / KOMPATIBLES WERKZEUG
		CW	RE	CDX	S	DMIN	
B41.00.0612.085.VP3001	●	6.12	0.85	2.6	4.0	22	ABT-B41-D22...
B41.00.0713.085.VP3001	●	7.13	0.85	3.3	4.0	22	
B41.00.0813.105.VP3001	●	8.13	1.05	3.4	4.0	22	
B42.00.1013.105.VP3001	●	10.13	1.05	4.2	6.0	30	ABT-B42-D30...
B42.00.1215.135.VP3001	●	12.15	1.35	5.1	6.0	38	ABT-B42-D38...
B42.00.1215.175.VP3001	●	12.15	1.75	6.6	6.0	38	
B42.00.1215.225.VP3001	●	12.15	2.25	8.5	6.0	38	

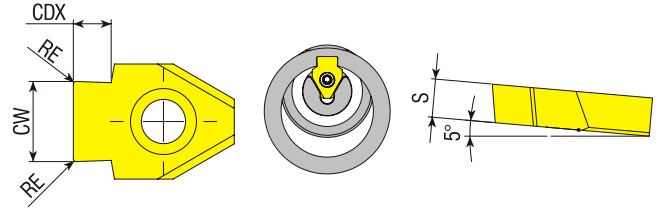
Tipik kesme şartları / Typical cutting conditions Tipik kesme şartları / Typical cutting conditions / Standard-Schneidbedingungen: İlerleme (Vf): 3000-8000 mm/dak (min)
/ Paso (ap): 0.02-0.08 mm / Vorschub (Vf): 3000-8000 mm/min

R: Sağ / Right / RechtsL: Sol / Left / Links
● Stokta / In Stock / Auf Lager ○ Stokta Yok / Non Stock Item / Kein Lagerartikel, Lieferzeit auf Anfrage

Sipariş Örneği/Ordering Example/Bestellbeispiel
1 ad./pcs./stück ABT-B41-D17-Y25-L90-I040

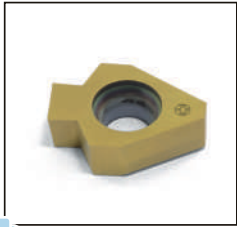


DIN6885 (Tolerans P9) torna ve freze tezgahlarında broş çekme uçları.
DIN6885 (Tolerance P9) inserts for keyway broaching on lathe and milling machines.
DIN6885 (Toleranz P9) Wendeplatten für Keilnutenfertigung auf Dreh- und Fräsmaschinen

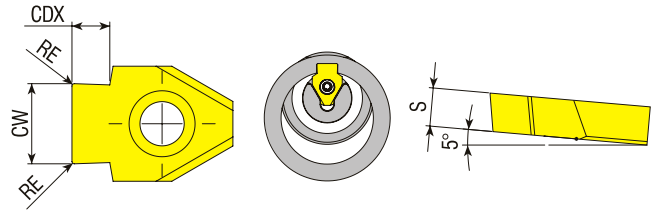


Uç Kodu Insert Code Wendeplatten-Bezeichnung/platte	Stok Stock Lager	Uç Ölçüleri (mm) Insert Dimension (mm) Abmessung (mm)					UYUMLU TAKIM / COMPATIBLE TOOLHOLDER / KOMPATIBLES WERKZEUG
		CW	RE	CDX	S	DMIN	
B41.00.0498.020.VP3001	●	4.98	0.20	2.7	4.0	17	ABT-B41-D17
B41.00.0598.020.VP3001	●	5.98	0.20	3.4	4.0	17	
B41.00.0798.020.VP3001	●	7.98	0.20	4.1	4.0	22	ABT-B41-D22
B42.00.0998.030.VP3001	●	9.98	0.30	4.2	6.0	30	ABT-B42-D30
B42.00.1197.030.VP3001	●	11.97	0.30	5.7	6.0	38	ABT-B42-D38
B42.00.1397.030.VP3001	●	13.97	0.30	6.8	6.0	40	ABT-B42-D40

Tipik kesme şartları / Typical cutting conditions / Standard-Schneidbedingungen: İlerleme (Vf): 3000-8000 mm/dak (min) / Paso (ap): 0.02-0.08 mm / Vorschub (Vf): 3000-8000 mm/min



DIN6885 (Tolerans JS9) torna ve freze tezgahlarında broş çekme uçları.
DIN6885 (Tolerance JS9) inserts for keyway broaching on lathe and milling machines.
DIN6885 (Toleranz JS9) Wendeplatten für Keilnutenfertigung auf Dreh- und Fräsmaschinen

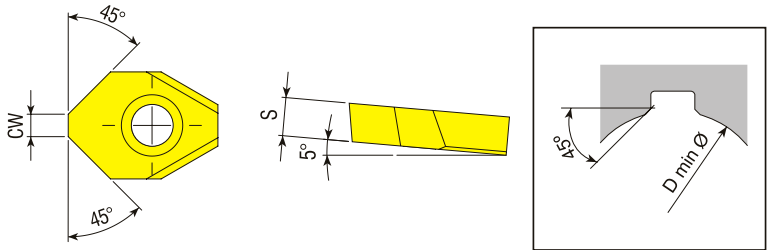


Uç Kodu Insert Code Wendeplatten-Bezeichnung/platte	Stok Stock Lager	Uç Ölçüleri (mm) Insert Dimension (mm) Abmessung (mm)					UYUMLU TAKIM / COMPATIBLE TOOLHOLDER / KOMPATIBLES WERKZEUG
		CW	RE	CDX	S	DMIN	
B41.00.0501.020.VP3001	●	5.01	0.20	2.7	4.0	17	ABT-B41-D17
B41.00.0601.020.VP3001	●	6.01	0.20	3.4	4.0	17	
B41.00.0801.020.VP3001	●	8.01	0.20	4.1	4.0	22	ABT-B41-D22
B42.00.1001.030.VP3001	●	10.01	0.30	4.2	6.0	30	ABT-B42-D30
B42.00.1200.050.VP3001	●	12.00	0.50	8.5	6.0	38	ABT-B42-D38
B42.00.1201.030.VP3001	●	12.01	0.30	5.7	6.0	38	
B42.00.1401.030.VP3001	●	14.01	0.30	6.8	6.0	40	ABT-B42-D40

Tipik kesme şartları / Typical cutting conditions / Standard-Schneidbedingungen: İlerleme (Vf): 3000-8000 mm/dak (min) / Paso (ap): 0.02-0.08 mm / Vorschub (Vf): 3000-8000 mm/min



Torna ve freze tezgahlarında kama kanalı pah kırma uçları.
Inserts for keyway chamfering on lathe and milling machines.
Wendeschnidplatten zum Anfasen von Keilnuten auf Dreh- und Fräsmaschinen



Uç Kodu Insert Code Wendeplatten-Bezeichnung/platte	Stok Stock Lager	Uç Ölçüleri (mm) Insert Dimension (mm) Abmessung (mm)			UYUMLU TAKIM / COMPATIBLE TOOLHOLDER / KOMPATIBLES WERKZEUG
		DMIN	CW	S	
B41.00.0150.CH.VP3001	●	17	1.5	4.0	ABT-B41-D17
B41.00.0300.CH.VP3001	●	22	3.0	4.0	ABT-B41-D22
B42.00.0600.CH.VP3001	●	30	6.0	6.0	ABT-B42-D30

Tipik kesme şartları / Typical cutting conditions / Standard-Schneidbedingungen: İlerleme (Vf): 3000-8000 mm/dak (min) / Paso (ap): 0.02-0.08 mm / Vorschub (Vf): 3000-8000 mm/min

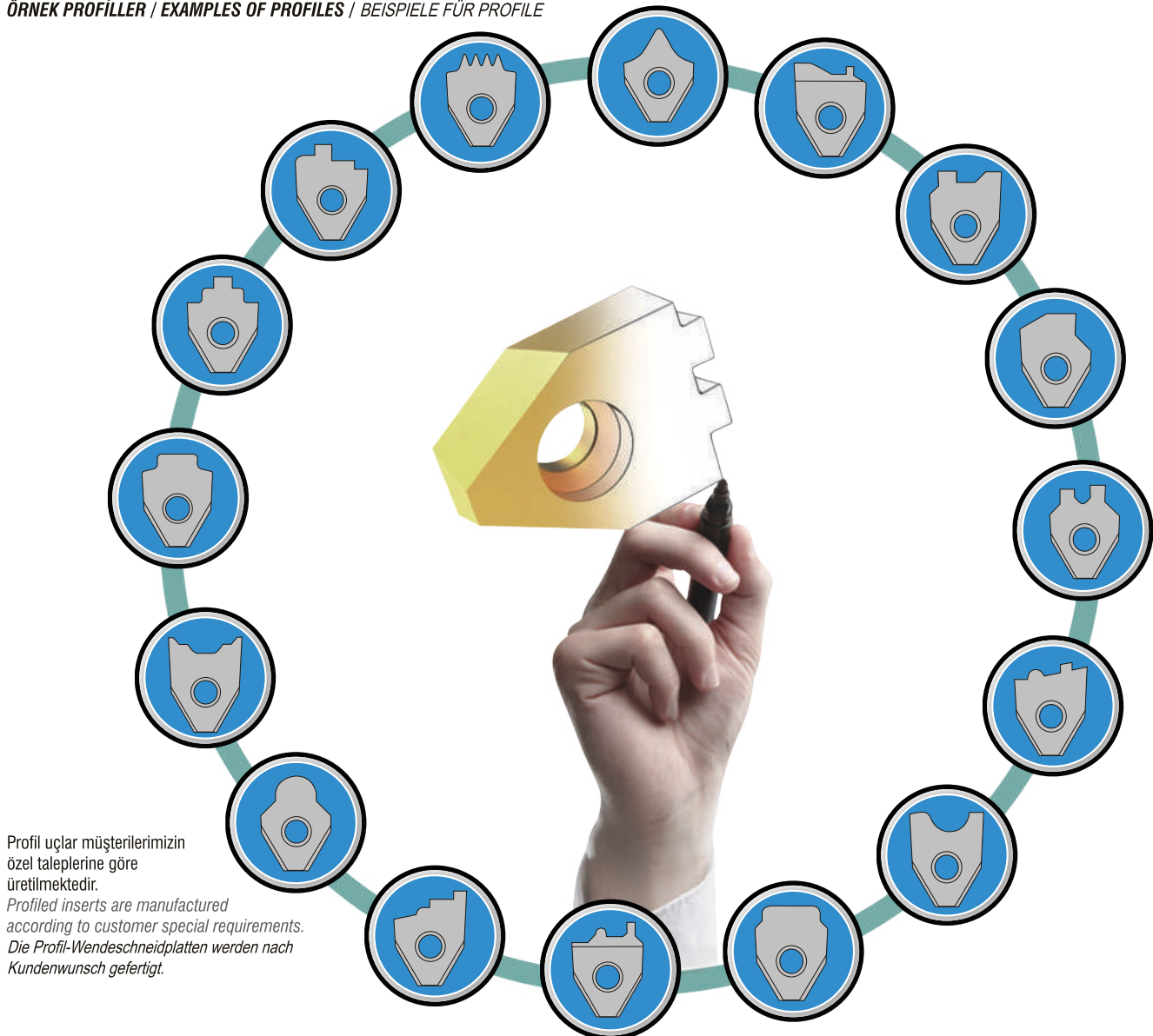
R: Sağ / Right / Rechts L: Sol / Left / Links

● Stokta / In Stock / Auf Lager ○ Stokta Yok / Non Stock Item / Kein Lagerartikel, Lieferzeit auf Anfrage

Sipariş Örneği/Ordering Example/Bestellbeispiel

1 ad./pcs./stück B41.00.0498.020.VP3001

PROFİL VERİLMİŞ UÇLAR / PROFILED INSERTS / PROFIL-WENDESCHNEIDPLATTEN
ÖRNEK PROFİLLER / EXAMPLES OF PROFILES / BEISPIELE FÜR PROFILE



Profil uçlar müşterilerimizin özel taleplerine göre üretilmektedir.
Profiled inserts are manufactured according to customer special requirements.
Die Profil-Wendeschneidplatten werden nach Kundenwunsch gefertigt.

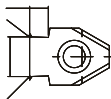
1



Üretmemizi istediğiniz Uçun teknik özelliklerini veya bir örneğini bize gönderin.
Send us the technical specifications or a sample of the insert you want to produce.
Bitte lassen Sie uns ein exemplar sowie die technischen Einzelheiten der gewünschten Wendeschneidplatte zukommen.



2



Sizin için bir teklif hazırlayalım.
We prepare an offer for you.
Wir werden für Sie ein Angebot vorbereiten.



3

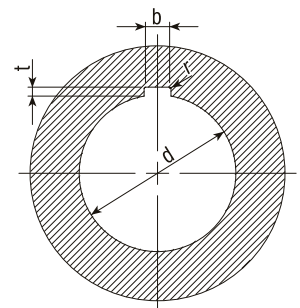


Üretimi yapıp size gönderelim.
We produce it and ship it to you.
Wir werden es produzieren und Ihnen ausliefern.

BROŞ UCU BİLGİ ALMA FORMU / BROACHING INSERT INFORMATION FORM / INFORMATIONSBLATT FÜR DIE WENDESCHNEIDPLATTE DER NUTBEARBEIUNG

Broş ve Delik Ölçüleri / Dimension of Bore / Maße von Bohrungsdurchmesser und Nuten

b	
t	
r	
d/min*	
İş Parçası Malzemesi Work Material Werkstückmaterial	
Tolerans Grubu / Tolerance Group / Toleranzgruppe	
C11	P9
	JS9
	CUSTOM





TULIP HEADS



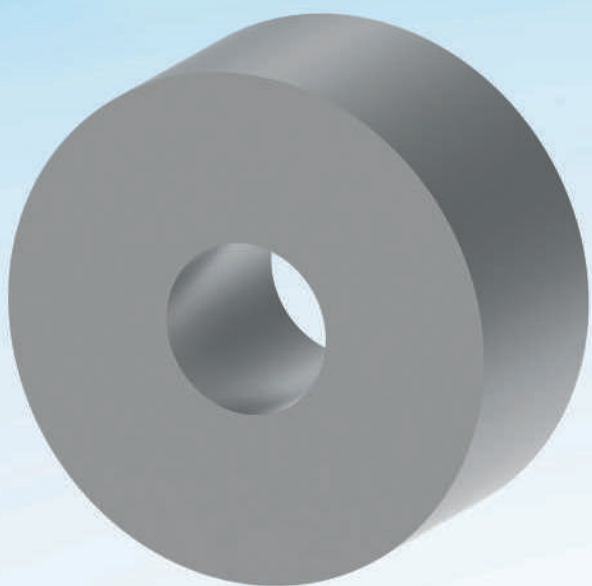
DİŞ AÇMA
THREADING
GEWINDE

**DELİK İÇİ
TORNALAMA**

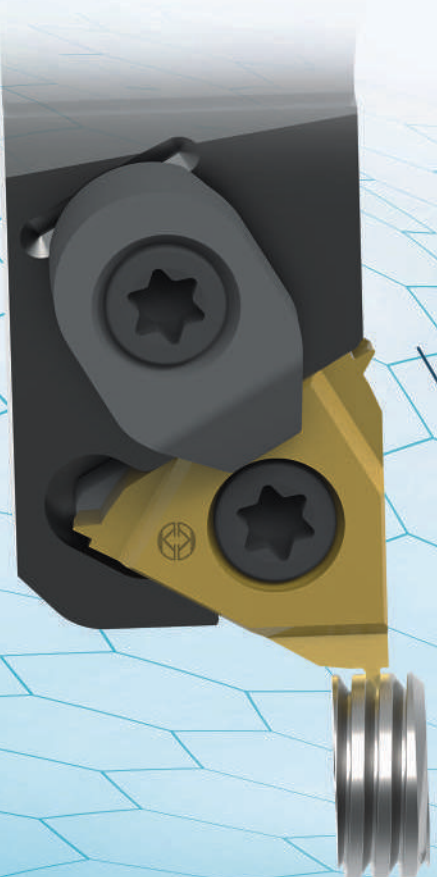
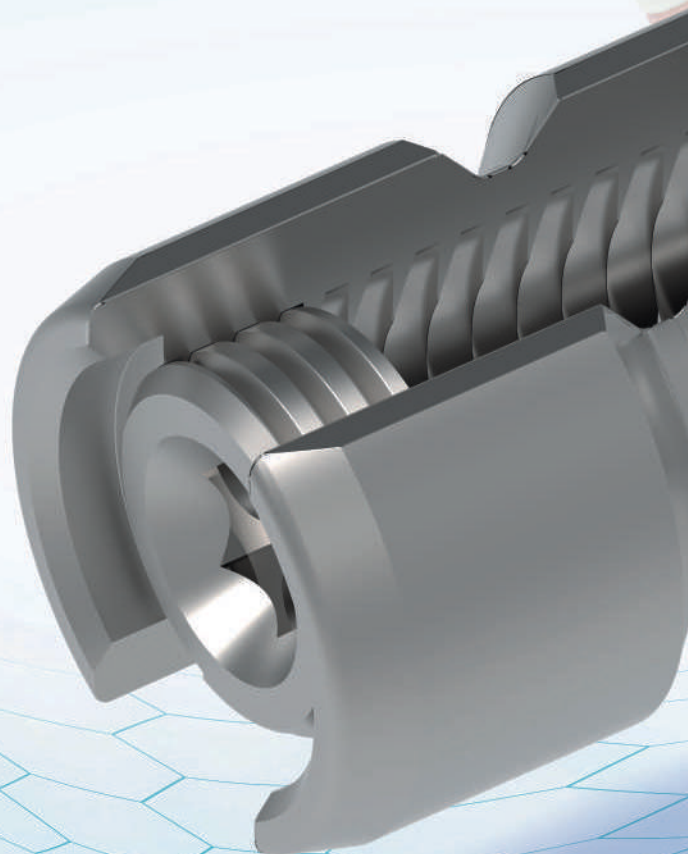
BORING
BOHREN

ÖZEL FORMA AÇMA

SPECIAL FORMING
SONDER FORM BEARBEITUNG



IMPLANT NUT



DIŞ AÇMA
THREADING
GEWINDE

ALIN ÖZEL FORM

**FACE SPECIAL
FORMING**

ALIN SONDERFORM

ALYAN PUNCH

ALLEN PUNCH

*WINKELSCHRAUBENDEHER
WERKZEUGE*

WHIRLING

WHIRLING

WENDESCHNEIDPLATTEN



ALYAN / PUNCH - KAZIMA

ALLEN / PUNCH - BROACH

*WINKELSCHRAUBENDEHER
WERKZEUGE*

IMPLANT SCREW

TORX / PUNCH - KAZIMA

TORX / PUNCH - BROACH
WINKELSCHRAUBENDREHER - RING

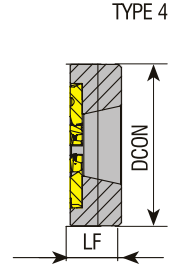
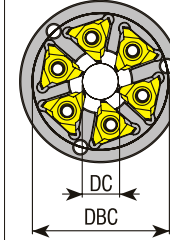
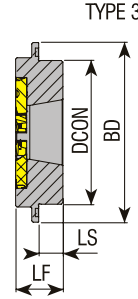
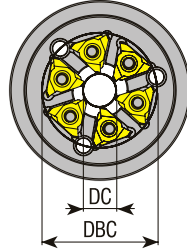
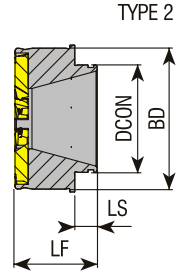
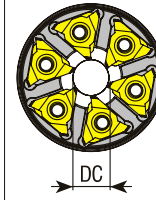
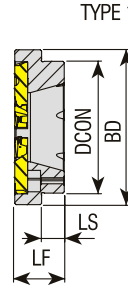
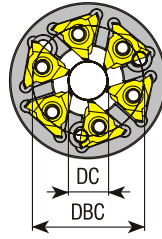
WHIRLING

WHIRLING UÇLARI ve TAKIMLARI

WHIRLING INSERTS and TOOLHOLDERS

*WENDESCHNEIDPLATTEN UND WERKZEUGHALTER ZUM
GEWINDEWIRBELN*





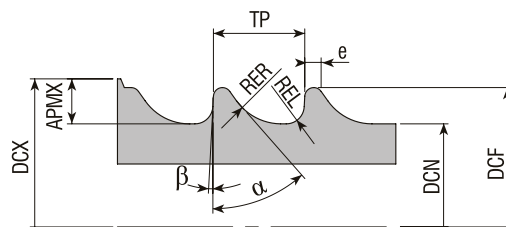
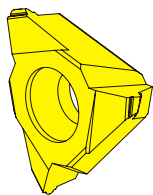
Makine Machine Maschine	Tahrikli WHIRLING Ünitesi Aggregate WHIRLING Unit Wirbelspindel	WHIRLING Ring Kodu WHIRLING Ring Code Wirbelring	Stok Stock Lager	Takım Ölçüleri (mm) Dimension (mm) Abmessung (mm)								Kesici Uç Insert Wendeschneidplatte	Yedek Parçaları / Spare Parts / Ersatzteile	
				ZEFP	DC	DCON	DBC	BD	LS	LF	TYPE		Sıkma Vidası Screw Schraube	Tork Anahtar Torx Key Torx-Schlüssel
STAR	5914 72 00/68172	ATW-301-T09-D1240-Z06	●	6	12	40	33	47	7	15	1			
CITIZEN	BTW1000	ATW-302-T09-D1233-Z06	○	6	12	33	40	47	4	18.5	-			
	GSW101	ATW-303-T09-D0620-Z06	○	6	6	20	26	35	3.2	15	1			
	MWS101/KSW101													
	LSW101/BSW215/ LSW215315	ATW-304-T09-D1240-Z06	○	6	12	40	32.5	46	2.5	15.5	1			
	LSW424	ATW-305-T09-D1245-Z06	○	6	12	45	30	46	9.5	18	1			
TORNOS	306101/307087	ATW-306-T09-D1240-Z06	●	6	12	40	31	57	3.5	15	-			
	417617	ATW-307-T09-D1250-Z06	○	6	12	50	40	67	3.5	15.4	-			
WTO	TN762004	ATW-308-T09-D1142-Z06	●	6	11	31.97	-	42	6.7	24.7	2			
	TN762006	ATW-309-T09-D2054-Z08	○	8	20	56.5	-	54	1.5	13.8	2			
TSUGAMI	3234 Y342	ATW-310-T09-D1252-Z06	●	6	12	52	42	65	8.7	17	3			
	3268 Y452	ATW-311-T09-D1252-Z06	○	6	12	52	44	52	10	10	3			
	3268 Y271	ATW-312-T09-D1252-Z06	○	6	12	52	38	54	6	19	3			
	3214 Y342	ATW-313-T09-D1650-Z06	○	6	16	50	40	62	8.5	20	3			
	3234 Y342	ATW-314-T09-D2052-Z06	○	6	20	52	42	65	8.7	17	3			
	3281-Y451	ATW-316-T09-D1252-Z06	●	6	12	52	44	52	-	17	4			
HANWHA	MADAULA	ATW-315-T09-D1245-Z06	○	6	12	45	-	56	8.5	15	1			

R: Sağ / Right / RechtsL: Sol / Left / Links

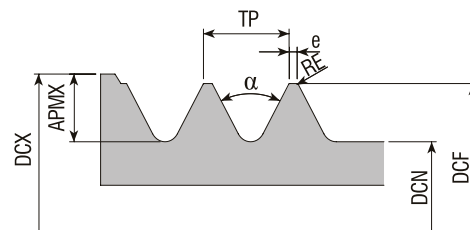
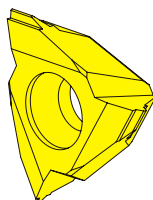
● Stokta / In Stock / Auf Lager ○ Stokta Yok / Non Stock Item / Kein Lagerartikel, Lieferzeit auf Anfrage

Sipariş Örneği/Ordering Example/Bestellbeispiel

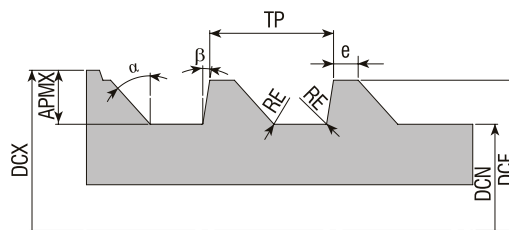
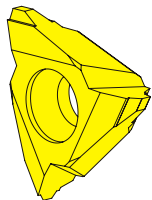
1 ad./pcs./stück ATW-301-T09-D1240-Z06



Uç Kodu Insert Code Wendeplatten-Bezeichnung	Kalite Grade Sorte		Standart ISO5835	Uç Ölçüleri (mm) Insert Dimension (mm) Abmessung (mm)									
	VK15U	VK15U01		TP	e	DCF	DCN	RER	REL	α	β	APMX	DCX
T09.HA150.D12	●	●	HA1.5	0.5	0.1	1.35 to 1.5	1.0 to 1.1	0.30	0.1	35°	3°	4	9
T09.HA200.D12	●	●	HA2.0	0.6	0.1	1.85 to 2.0	1.2 to 1.3	0.40	0.1	35°	3°	4	9
T09.HA270.D12	●	●	HA2.7	1	0.1	2.55 to 2.7	1.75 to 1.9	0.60	0.2	35°	3°	4	9.5
T09.HA350.D12	●	●	HA3.5	1.25	0.1	3.35 to 3.5	2.25 to 2.4	0.80	0.2	35°	3°	4	10
T09.HA400.D12	●	●	HA4.0	1.5	0.1	3.85 to 4.0	2.75 to 2.9	0.80	0.2	35°	3°	4	10.5
T09.HA450.D12	●	●	HA4.5	1.75	0.1	4.35 to 4.5	2.85 to 3.0	1.00	0.3	35°	3°	4	11
T09.HA500.D12	●	●	HA5.0	1.75	0.1	4.85 to 5.0	3.35 to 3.5	1.00	0.3	35°	3°	4	11
T09.HB400.D12	●	●	HB4.0	1.75	0.1	3.85 to 4.0	1.75 to 1.9	0.80	0.3	25°	5°	4	9.5
T09.HB650.D12	●	●	HB6.5	2.75	0.2	6.35 to 6.5	2.85 to 3.0	1.20	0.8	25°	5°	4	11



Uç Kodu Insert Code Wendeplatten-Bezeichnung	Kalite Grade Sorte		Standart ISO9268	Uç Ölçüleri (mm) Insert Dimension (mm) Abmessung (mm)							
	VK15U	VK15U01		TP	e	DCF	DCN	α	RE	APMX	DCX
T09.HC290.D12	○	○	HC2.9	1.06	0.1	2.79 to 2.90	2.03 to 2.18	60°	0.01	4	10.5
T09.HC350.D12	○	○	HC3.5	1.27	0.1	3.43 to 3.53	2.51 to 2.64	60°	0.01	4	11
T09.HC390.D12	○	○	HC3.9	1.27	0.1	3.78 to 3.91	2.77 to 2.92	60°	0.01	4	11.5
T09.HC420.D12	○	○	HC4.2	1.27	0.1	4.09 to 4.22	2.95 to 3.25	60°	0.01	4	12



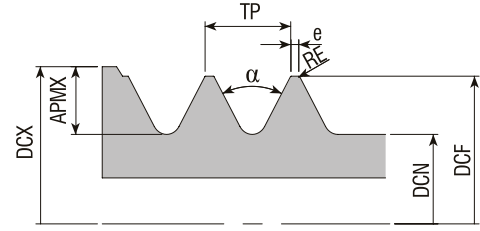
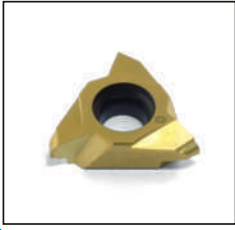
Uç Kodu Insert Code Wendepplatten-Bezeichnung	Kalite Grade Sorte		Standart ISO9268	Uç Ölçüleri (mm) Insert Dimension (mm) Abmessung (mm)								
	VK15U	VK15U01		TP	e	DCF	DCN	RE	α	β	APMX	DCX
T09.HD400.D12	○	○	HD4.0	1.59	0.1	3.97 to 4.03	2.89 to 2.95	0.01	45°	10°	4	11.5
T09.HD450.D12	○	○	HD4.5	2.18	0.1	4.47 to 4.53	2.89 to 2.95	0.01	45°	10°	4	12

R: Sağ / Right / RechtsL: Sol / Left / Links

● Stokta / In Stock / Auf Lager ○ Stokta Yok / Non Stock Item / Kein Lagerartikel, Lieferzeit auf Anfrage

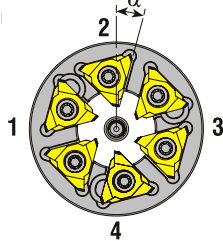
Sipariş Örneği/Ordering Example/Bestellbeispiel

1 ad./pcs./stück T09.HA150.D12



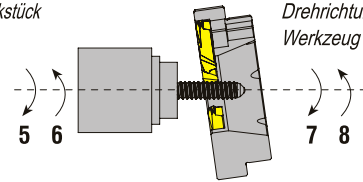
Uç Kodu Insert Code Wendeplatten-Bezeichnung	Kalite Grade Sorte		Standart DIN13	Uç Ölçüleri (mm) Insert Dimension (mm) Abmessung (mm)						
	VK15U	VK15U01		TP	DCF	DCN	a	RE	APMX	DCX
T09.M200.D12	●	●	M2	0.4	2	1.509	60	0.048	4	9
T09.M250.D12	●	●	M2.5	0.45	2.5	1.928	60	0.055	4	9.5
T09.M300.D12	●	●	M3	0.5	3	2.387	60	0.062	4	10
T09.M350.D12	●	●	M3.5	0.6	3.5	2.744	60	0.077	4	8.5
T09.M400.D12	●	●	M4.0	0.7	4	3.141	60	0.091	4	11
T09.M500.D12	●	●	M5.0	0.8	5	4.019	60	0.105	4	11.5
T09.M600.D12	●	●	M6.0	1	6	4.773	60	0.134	4	12.5
T09.M700.D12	●	●	M7.0	1	7	5.753	60	0.134	4	13.5
T09.M800.D12	●	●	M8.0	1.25	8	6.446	60	0.17	4	14

Kesme başlangıç pozisyonu
Cutting Start Position
Startposition Schneidvorgang



Y Eksen
Y Axis
Y Ocz

İş parçası dönüş yönü
Turning Direction of Workpiece
Drehrichtung Werkstück



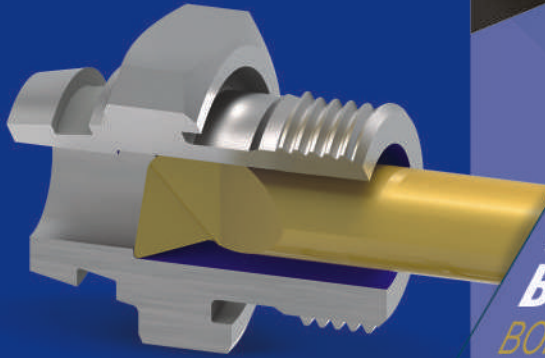
WHIRLING ünitesi dönüş yönü
Turning Direction of WHIRLING unit
Drehrichtung Gewindewirbel
Werkzeug

Makine Özellikleri Machine Specifications Angaben zur Maschine			Malzeme Özellikleri Material Specifications Material Besonderheiten	
Makine Üreticisi Machine Manufacturer Maschinenhersteller			Malzeme (DIN, AISI v.b.) Material (DIN, AISI etc.) Material DIN, AISI etc.	
Makine Modeli Machine Model Maschinenbezeichnung			Ham Malzeme Çapı Raw Material Diameter Rohmaterial Durchmesser	
Tahrikli WHIRLING Ünitesi Üreticisi Live Tool Manufacturer Hersteller angetriebene Werkzeuge			Diş Profili Thread Profile Gewindeprofil	
Tahrikli WHIRLING Ünitesi Aggregate WHIRLING Unit Wirbelspindel			Profil Teknik Resmi Profile Technical Drawing Profilzeichnung	
Y - Eksen Y - Axis Y - Achse	Var Exist Ja	☐	Yok None Nein	☐
Yüksek Basıncılı Soğutma High Pressure Coolant Hochdruckkühlung	Var Exist Ja	☐	Yok None Nein	☐
Kesme Başlangıç Pozisyonu Cutting Start Position Startposition Schneidvorgang	1 ☐	2 ☐	3 ☐	4 ☐
WHIRLING Ünitesi Dönüş Yönü Turning Direction of WHIRLING Unit Drehrichtung Gewindewirbel-Werkzeug	5 ☐	6 ☐		
İş Parçası Dönüş Yönü Turning Direction of Workpiece Drehrichtung Werkstück	7 ☐	8 ☐		
α Açısı α Angle Winkel	Not: Bu açı ürün performansına etki ettiğinden bildirilmesi gerekmektedir. Aksi halinde ring tarafımıza gönderilmelidir. Note: This angle effects the performance of inserts. If doesn't known, tool body should be send to AKKO. Hinweis: Dieser Winkel beeinflusst die Leistung der Wendschneidplatte. Sollte dieser Winkel unbekannt sein, können Sie das Werkzeug zur Fa. AKKO schicken.			
Not / Note / Notizen :				

MINI CUT TAKIMLAR

MINI CUT TOOLS

MINI CUT WERKZEUGE

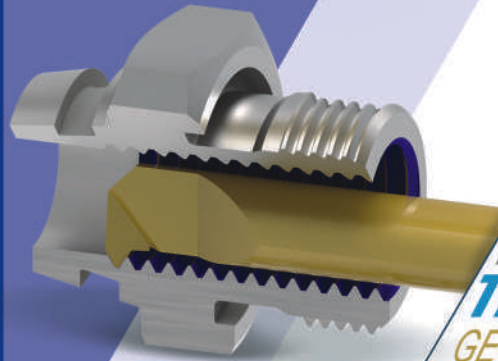


01

DELİK İÇİ TORNALAMA

BORING

BOHREN

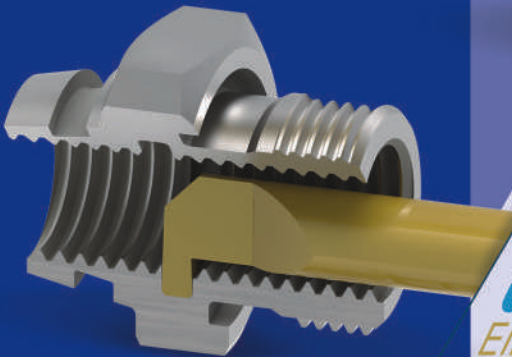


02

DIŞ AÇMA

THREADING

GEWINDE

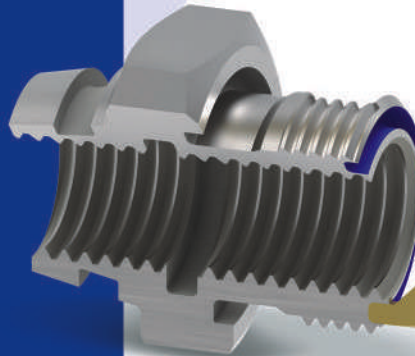


03

KANAL AÇMA

GROOVING

EINSTECHBOHRUNG



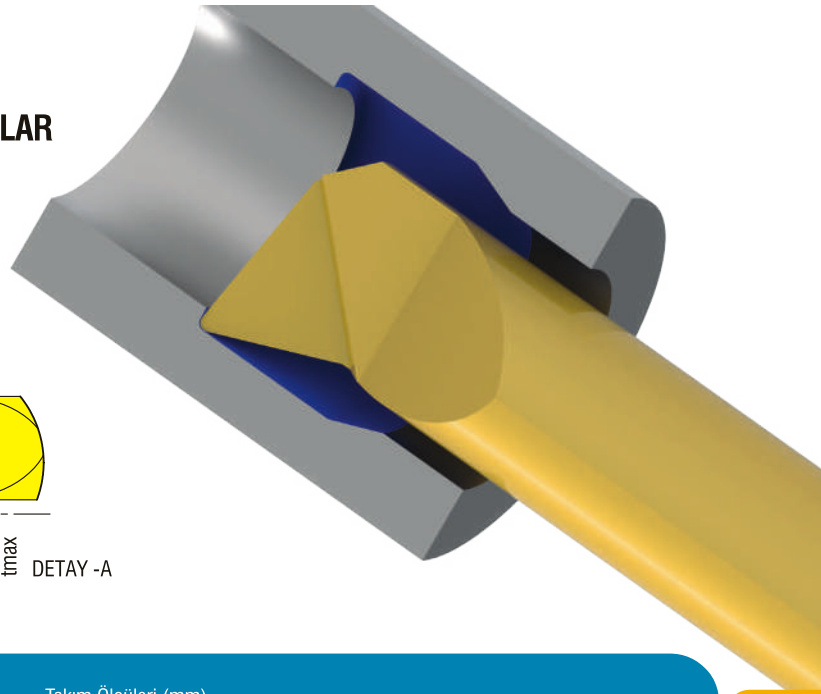
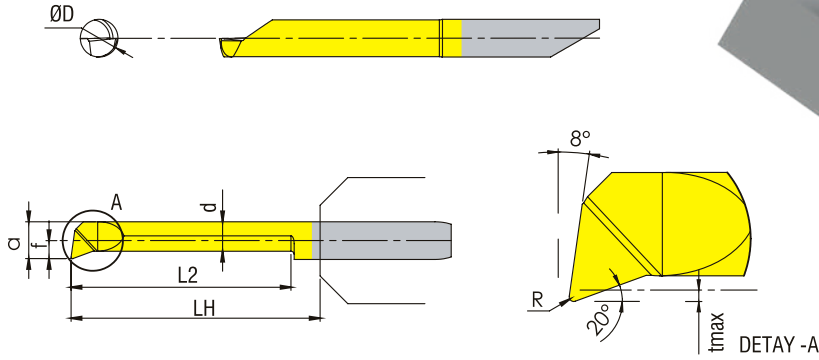
04

YÜZEY KANAL AÇMA

FACE GROOVING

OBERFLÄCHENEINSTECHBOHRUNG

MINI CUT BORING DELİK İÇİ MINI CUT TAKIMLAR

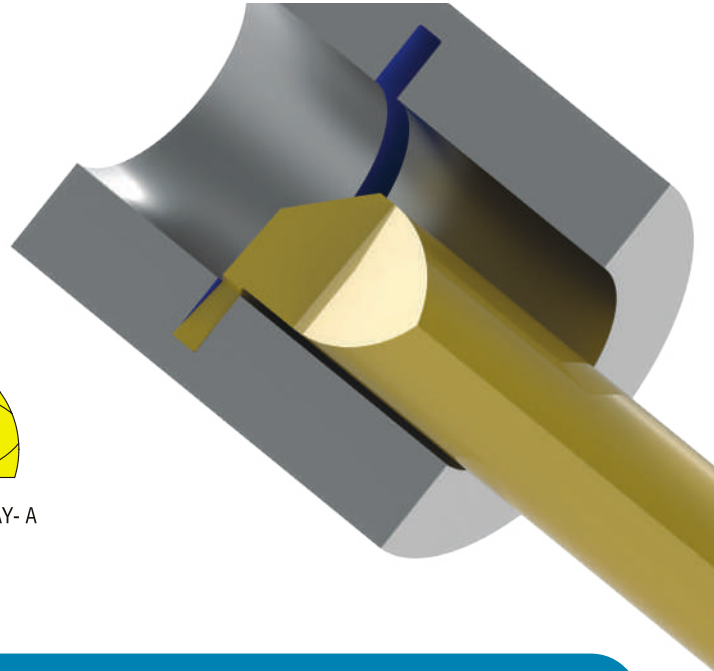
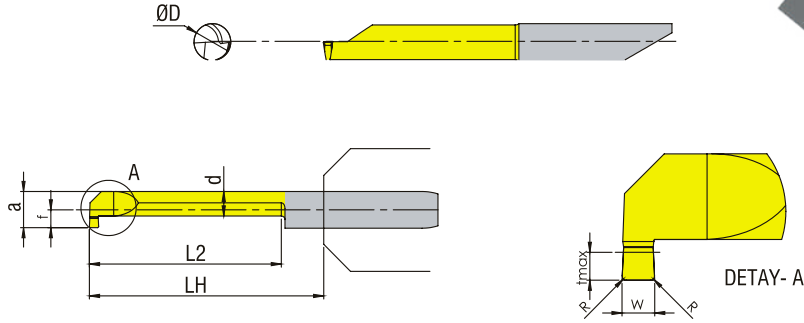


Ürün Kodu Product Code Artikelnummer	Takım Ölçüleri (mm) Dimension (mm) Abmessung (mm)								
	L2	Ødmin	R	a	d	f	LH	tmax	ØD
APB04.102.015	10.2	4.2	0.15	3.95	3.45	1.95	13	0.3	4
APB04.152.015	15.20	4.2	0.15	3.95	3.45	1.95	18	0.3	4
APB04.203.015	20.30	4.2	0.15	3.95	3.45	1.95	23	0.3	4
APB04.254.015	25.40	4.2	0.15	3.95	3.45	1.95	28	0.3	4
APB04.305.015	30.50	4.2	0.15	3.95	3.45	1.95	33	0.3	4
APB04.356.015	35.60	4.2	0.15	3.95	3.45	1.95	38	0.3	4
APB05.102.020	10.2	5.2	0.2	4.95	4.25	2.45	13	0.5	5
APB05.152.020	15.20	5.2	0.2	4.95	4.25	2.45	18	0.5	5
APB05.203.020	20.30	5.2	0.2	4.95	4.25	2.45	23	0.5	5
APB05.254.020	25.40	5.2	0.2	4.95	4.25	2.45	28	0.5	5
APB05.305.020	30.50	5.2	0.2	4.95	4.25	2.45	33	0.5	5
APB05.356.020	35.60	5.2	0.2	4.95	4.25	2.45	38	0.5	5
APB05.406.020	40.60	5.2	0.2	4.95	4.25	2.45	43	0.5	5
APB06.102.020	10.2	6.2	0.2	5.95	5.25	2.95	13	0.5	6
APB06.152.020	15.20	6.2	0.2	5.95	5.25	2.95	18	0.5	6
APB06.203.020	20.30	6.2	0.2	5.95	5.25	2.95	23	0.5	6
APB06.254.020	25.40	6.2	0.2	5.95	5.25	2.95	28	0.5	6
APB06.305.020	30.50	6.2	0.2	5.95	5.25	2.95	33	0.5	6
APB06.356.020	35.60	6.2	0.2	5.95	5.25	2.95	38	0.5	6
APB06.406.020	40.60	6.2	0.2	5.95	5.25	2.95	43	0.5	6
APB06.508.020	50.80	6.2	0.2	5.95	5.25	2.95	53	0.5	6
APB07.254.020	25.40	7.2	0.2	6.95	6.25	3.45	28	0.5	7
APB07.305.020	30.50	7.2	0.2	6.95	6.25	3.45	33	0.5	7
APB07.356.020	35.60	7.2	0.2	6.95	6.25	3.45	38	0.5	7
APB07.406.020	40.60	7.2	0.2	6.95	6.25	3.45	43	0.5	7
APB07.508.020	50.80	7.2	0.2	6.95	6.25	3.45	53	0.5	7
APB07.608.020	60.80	7.2	0.2	6.95	6.25	3.45	63	0.5	7

Sipariş Örneği/Ordering Example/Bestellbeispiel
1 ad./pcs./stück APB.04.102.015

MINI CUT GROOVING

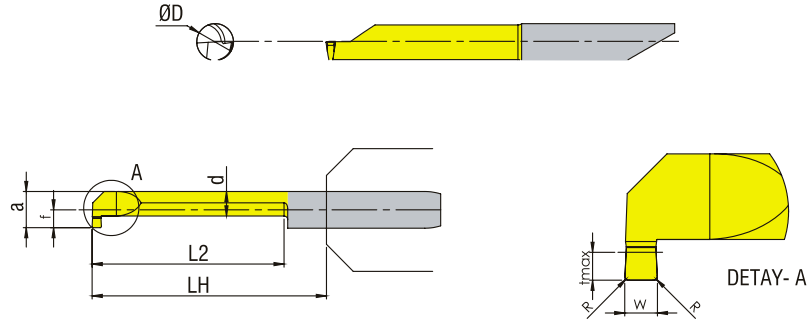
KANAL AÇMA MİNİ CUT TAKIMLAR



Ürün Kodu Product Code Artikelnummer	Takım Ölçüleri (mm) Dimension (mm) Abmessung (mm)									
	W	L2	Ødmin	R	a	d	f	LH	tmax	ØD
APG04.080.102	0.8	10.2	4.2	0.15	3.95	2.95	1.95	13	0.8	4
APG04.080.152	0.8	15.2	4.2	0.15	3.95	2.95	1.95	18	0.8	4
APG04.080.203	0.8	20.3	4.2	0.15	3.95	2.95	1.95	23	0.8	4
APG04.080.254	0.8	25.4	4.2	0.15	3.95	2.95	1.95	28	0.8	4
APG04.100.102	1.0	10.2	4.2	0.2	3.95	2.95	1.95	13	0.8	4
APG04.100.152	1.0	15.2	4.2	0.2	3.95	2.95	1.95	18	0.8	4
APG04.100.203	1.0	20.3	4.2	0.2	3.95	2.95	1.95	23	0.8	4
APG05.079.102	0.79	10.2	5.2	0.2	4.95	3.75	2.45	13	1.0	5
APG05.079.152	0.79	15.2	5.2	0.2	4.95	3.75	2.45	18	1.0	5
APG05.079.203	0.79	20.3	5.2	0.2	4.95	3.75	2.45	23	1.0	5
APG05.079.254	0.79	25.4	5.2	0.2	4.95	3.75	2.45	28	1.0	5
APG05.079.305	0.79	30.5	5.2	0.2	4.95	3.75	2.45	33	1.0	5
APG05.079.356	0.79	35.6	5.2	0.2	4.95	3.75	2.45	38	1.0	5
APG05.100.102	1.0	10.2	5.2	0.2	4.95	3.75	2.45	13	1.0	5
APG05.100.152	1.0	15.2	5.2	0.2	4.95	3.75	2.45	18	1.0	5
APG05.100.203	1.0	20.3	5.2	0.2	4.95	3.75	2.45	23	1.0	5
APG05.100.254	1.0	25.4	5.2	0.2	4.95	3.75	2.45	28	1.0	5
APG05.100.305	1.0	30.5	5.2	0.2	4.95	3.75	2.45	33	1.0	5
APG05.100.356	1.0	35.6	5.2	0.2	4.95	3.75	2.45	38	1.0	5

MINI CUT GROOVING

KANAL AÇMA MİNİ CUT TAKIMLAR

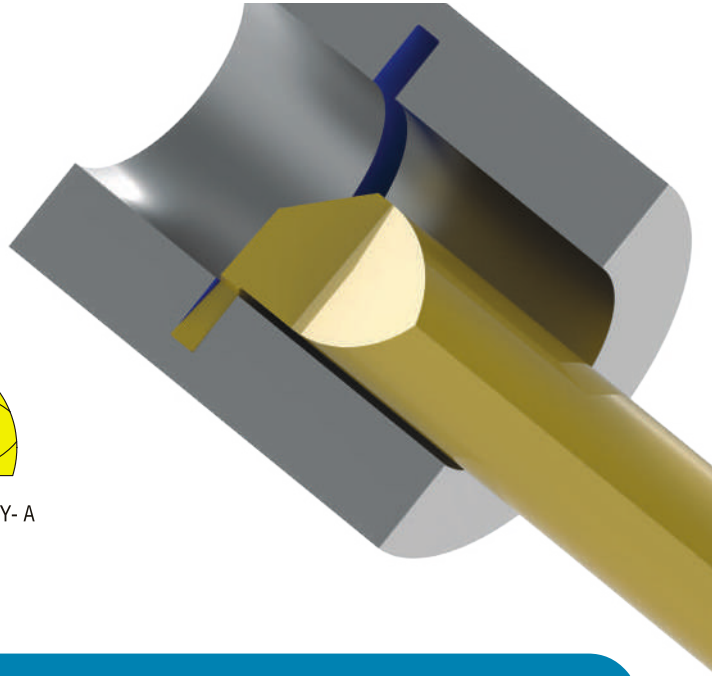
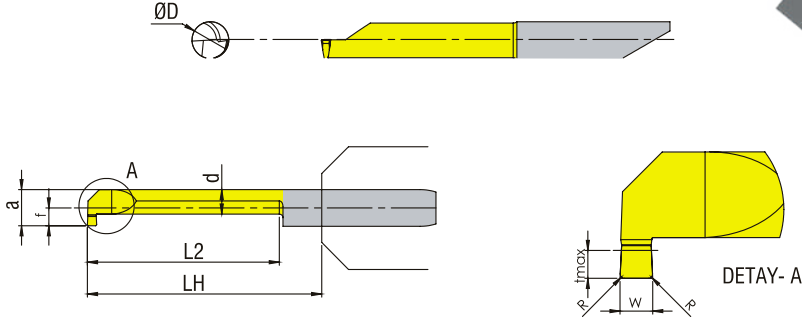


Ürün Kodu Product Code Artikelnummer	Takım Ölçüleri (mm) Dimension (mm) Abmessung (mm)									
	W	L2	Ødmin	R	a	d	f	LH	tmax	ØD
APG05.117.102	1.17	10.2	5.2	0.2	4.95	3.75	2.45	13	1.0	5
APG05.117.152	1.17	15.2	5.2	0.2	4.95	3.75	2.45	18	1.0	5
APG05.117.203	1.17	20.3	5.2	0.2	4.95	3.75	2.45	23	1.0	5
APG05.117.254	1.17	25.4	5.2	0.2	4.95	3.75	2.45	28	1.0	5
APG05.117.305	1.17	30.5	5.2	0.2	4.95	3.75	2.45	33	1.0	5
APG05.117.356	1.17	35.6	5.2	0.2	4.95	3.75	2.45	38	1.0	5
APG05.150.102	1.5	10.2	5.2	0.2	4.95	3.75	2.45	13	1.0	5
APG05.150.152	1.5	15.2	5.2	0.2	4.95	3.75	2.45	18	1.0	5
APG05.150.203	1.5	20.3	5.2	0.2	4.95	3.75	2.45	23	1.0	5
APG05.150.254	1.5	25.4	5.2	0.2	4.95	3.75	2.45	28	1.0	5
APG05.150.305	1.5	30.5	5.2	0.2	4.95	3.75	2.45	33	1.0	5
APG05.150.356	1.5	35.6	5.2	0.2	4.95	3.75	2.45	38	1.0	5
APG05.157.102	1.57	10.2	5.2	0.2	4.95	3.75	2.45	13	1.0	5
APG05.157.152	1.57	15.2	5.2	0.2	4.95	3.75	2.45	18	1.0	5
APG05.157.203	1.57	20.3	5.2	0.2	4.95	3.75	2.45	23	1.0	5
APG05.157.254	1.57	25.4	5.2	0.2	4.95	3.75	2.45	28	1.0	5
APG05.157.305	1.57	30.5	5.2	0.2	4.95	3.75	2.45	33	1.0	5

Sipariş Örneği/Ordering Example/Bestellbeispiel
1 ad./pcs./stück APG05.117.102

MINI CUT GROOVING

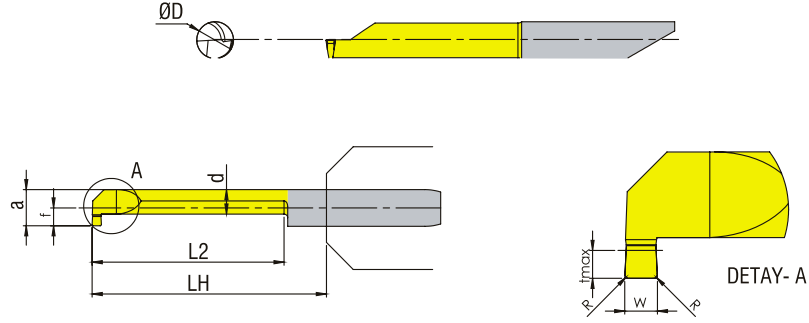
KANAL AÇMA MİNİ CUT TAKIMLAR



Ürün Kodu Product Code Artikelnummer	Takım Ölçüleri (mm) Dimension (mm) Abmessung (mm)									
	W	L2	Ødmin	R	a	d	f	LH	tmax	ØD
APG05.198.102	1.98	10.2	5.2	0.2	4.95	3.75	2.45	13	1.0	5
APG05.198.152	1.98	15.2	5.2	0.2	4.95	3.75	2.45	18	1.0	5
APG05.198.203	1.98	20.3	5.2	0.2	4.95	3.75	2.45	23	1.0	5
APG05.198.254	1.98	25.4	5.2	0.2	4.95	3.75	2.45	28	1.0	5
APG05.198.305	1.98	30.5	5.2	0.2	4.95	3.75	2.45	33	1.0	5
APG05.200.102	2.0	10.2	5.2	0.2	4.95	3.75	2.45	13	1.0	5
APG05.200.152	2.0	15.2	5.2	0.2	4.95	3.75	2.45	18	1.0	5
APG05.200.203	2.0	20.3	5.2	0.2	4.95	3.75	2.45	23	1.0	5
APG05.200.254	2.0	25.4	5.2	0.2	4.95	3.75	2.45	28	1.0	5
APG05.200.305	2.0	30.5	5.2	0.2	4.95	3.75	2.45	33	1.0	5
APG06.079.102	0.79	10.2	6.2	0.2	5.95	3.95	2.95	13	1.8	6
APG06.079.152	0.79	15.2	6.2	0.2	5.95	3.95	2.95	18	1.8	6
APG06.079.203	0.79	20.3	6.2	0.2	5.95	3.95	2.95	23	1.8	6
APG06.079.254	0.79	25.4	6.2	0.2	5.95	3.95	2.95	28	1.8	6
APG06.079.305	0.79	30.5	6.2	0.2	5.95	3.95	2.95	33	1.8	6
APG06.079.356	0.79	35.6	6.2	0.2	5.95	3.95	2.95	38	1.8	6

MINI CUT GROOVING

KANAL AÇMA MİNİ CUT TAKIMLAR

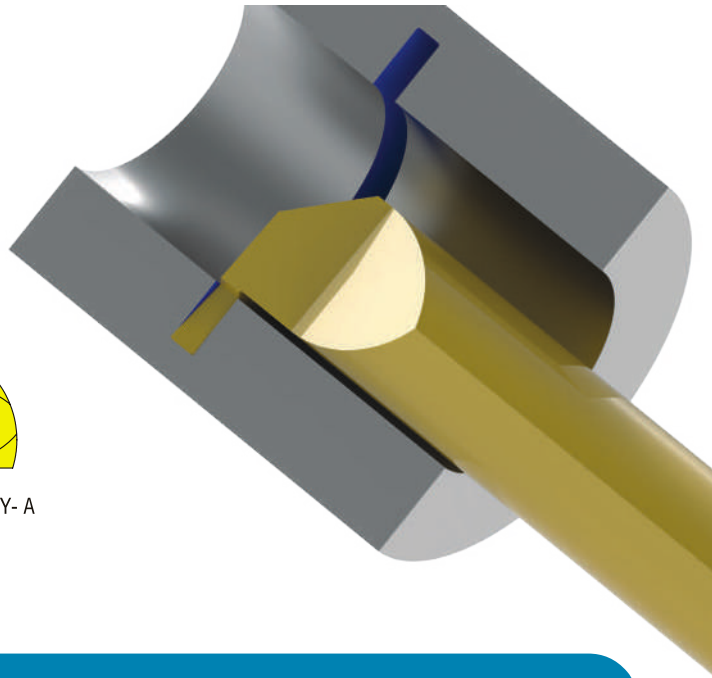
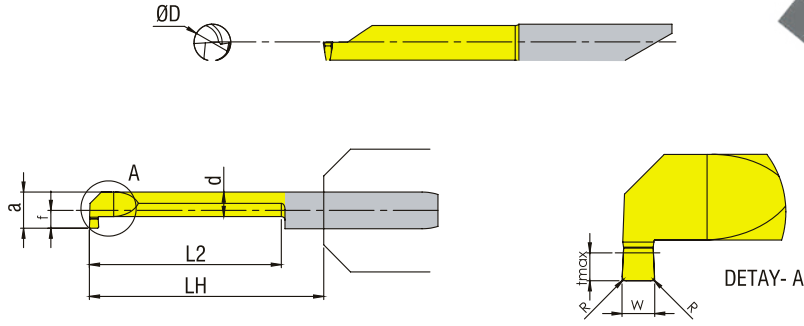


Ürün Kodu Product Code Artikelnummer	Takım Ölçüleri (mm) Dimension (mm) Abmessung (mm)									
	W	L2	Ødmin	R	a	d	f	LH	tmax	ØD
APG06.100.102	1.0	10.2	6.2	0.2	5.95	3.95	2.95	13	1.8	6
APG06.100.152	1.0	15.2	6.2	0.2	5.95	3.95	2.95	18	1.8	6
APG06.100.203	1.0	20.3	6.2	0.2	5.95	3.95	2.95	23	1.8	6
APG06.100.254	1.0	25.4	6.2	0.2	5.95	3.95	2.95	28	1.8	6
APG06.100.305	1.0	30.5	6.2	0.2	5.95	3.95	2.95	33	1.8	6
APG06.100.356	1.0	35.6	6.2	0.2	5.95	3.95	2.95	38	1.8	6
APG06.100.406	1.0	40.6	6.2	0.2	5.95	3.95	2.95	43	1.8	6
APG06.117.102	1.17	10.2	6.2	0.2	5.95	3.95	2.95	13	1.8	6
APG06.117.152	1.17	15.2	6.2	0.2	5.95	3.95	2.95	18	1.8	6
APG06.117.203	1.17	20.3	6.2	0.2	5.95	3.95	2.95	23	1.8	6
APG06.117.254	1.17	25.4	6.2	0.2	5.95	3.95	2.95	28	1.8	6
APG06.117.305	1.17	30.5	6.2	0.2	5.95	3.95	2.95	33	1.8	6
APG06.117.356	1.17	35.6	6.2	0.2	5.95	3.95	2.95	38	1.8	6
APG06.117.406	1.17	40.6	6.2	0.2	5.95	3.95	2.95	43	1.8	6
APG06.150.102	1.5	10.2	6.2	0.2	5.95	3.95	2.95	13	1.8	6
APG06.150.152	1.5	15.2	6.2	0.2	5.95	3.95	2.95	18	1.8	6
APG06.150.203	1.5	20.3	6.2	0.2	5.95	3.95	2.95	23	1.8	6
APG06.150.254	1.5	25.4	6.2	0.2	5.95	3.95	2.95	28	1.8	6
APG06.150.305	1.5	30.5	6.2	0.2	5.95	3.95	2.95	33	1.8	6
APG06.150.356	1.5	35.6	6.2	0.2	5.95	3.95	2.95	38	1.8	6

Sipariş Örneği/Ordering Example/Bestellbeispiel
 1 ad./pcs./stück APG06.100.102

MINI CUT GROOVING

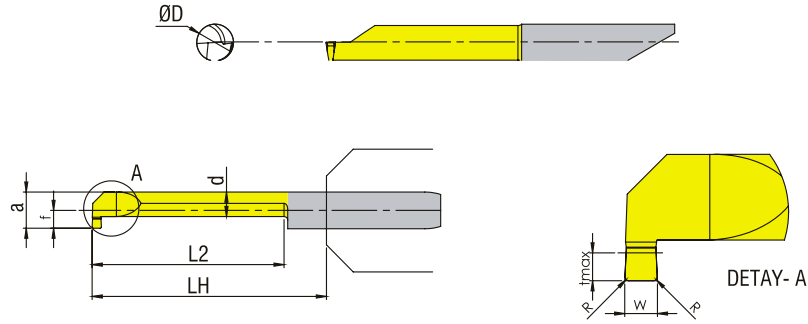
KANAL AÇMA MİNİ CUT TAKIMLAR



Ürün Kodu Product Code Artikelnummer	Takım Ölçüleri (mm) Dimension (mm) Abmessung (mm)									
	W	L2	Ødmin	R	a	d	f	LH	tmax	ØD
APG06.157.102	1.57	10.2	6.2	0.2	5.95	3.95	2.95	13	1.8	6
APG06.157.152	1.57	15.2	6.2	0.2	5.95	3.95	2.95	18	1.8	6
APG06.157.203	1.57	20.3	6.2	0.2	5.95	3.95	2.95	23	1.8	6
APG06.157.254	1.57	25.4	6.2	0.2	5.95	3.95	2.95	28	1.8	6
APG06.157.305	1.57	30.5	6.2	0.2	5.95	3.95	2.95	33	1.8	6
APG06.157.356	1.57	35.6	6.2	0.2	5.95	3.95	2.95	38	1.8	6
APG06.157.406	1.57	40.6	6.2	0.2	5.95	3.95	2.95	43	1.8	6
APG06.198.102	1.98	10.2	6.2	0.2	5.95	3.95	2.95	13	1.8	6
APG06.198.152	1.98	15.2	6.2	0.2	5.95	3.95	2.95	18	1.8	6
APG06.198.203	1.98	20.3	6.2	0.2	5.95	3.95	2.95	23	1.8	6
APG06.198.254	1.98	25.4	6.2	0.2	5.95	3.95	2.95	28	1.8	6
APG06.198.305	1.98	30.5	6.2	0.2	5.95	3.95	2.95	33	1.8	6
APG06.198.356	1.98	35.6	6.2	0.2	5.95	3.95	2.95	38	1.8	6
APG06.198.406	1.98	40.6	6.2	0.2	5.95	3.95	2.95	43	1.8	6
APG06.200.102	2.0	10.2	6.2	0.2	5.95	3.95	2.95	13	1.8	6
APG06.200.152	2.0	15.2	6.2	0.2	5.95	3.95	2.95	18	1.8	6
APG06.200.203	2.0	20.3	6.2	0.2	5.95	3.95	2.95	23	1.8	6
APG06.200.254	2.0	25.4	6.2	0.2	5.95	3.95	2.95	28	1.8	6
APG06.200.305	2.0	30.5	6.2	0.2	5.95	3.95	2.95	33	1.8	6
APG06.200.356	2.0	35.6	6.2	0.2	5.95	3.95	2.95	38	1.8	6

MINI CUT GROOVING

KANAL AÇMA MİNİ CUT TAKIMLAR



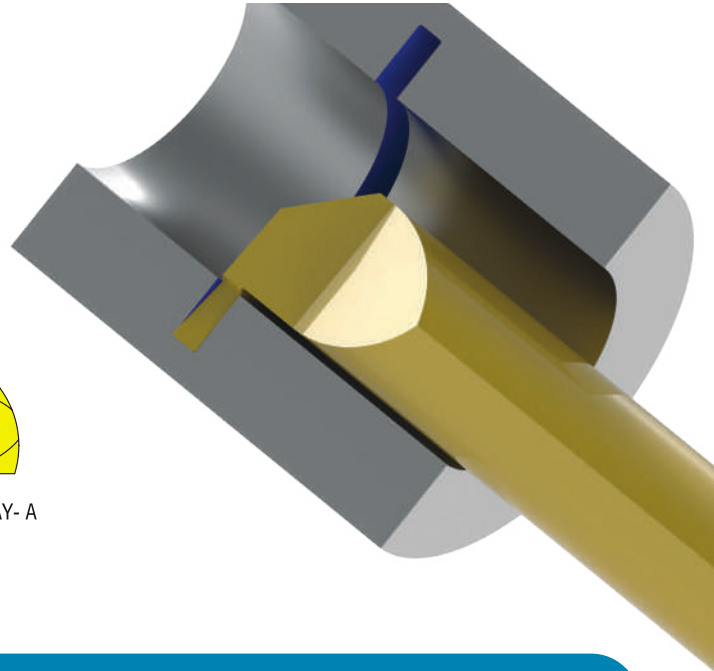
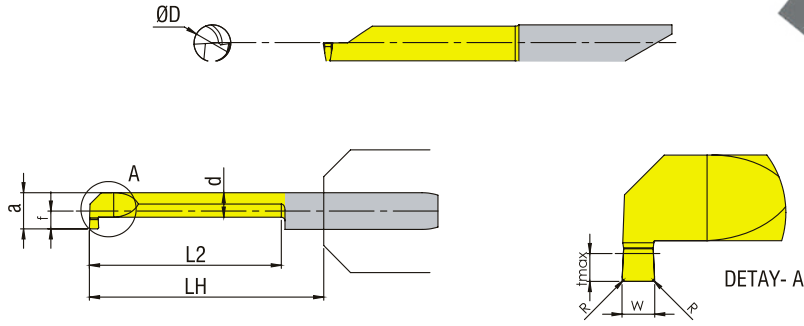
Ürün Kodu Product Code Artikelnummer	Takım Ölçüleri (mm) Dimension (mm) Abmessung (mm)									
	W	L2	Ødmin	R	a	d	f	LH	tmax	ØD
APG07.079.102	0.79	10.2	7.2	0.2	6.95	4.25	3.45	13	2.5	7
APG07.079.152	0.79	15.2	7.2	0.2	6.95	4.25	3.45	18	2.5	7
APG07.079.203	0.79	20.3	7.2	0.2	6.95	4.25	3.45	23	2.5	7
APG07.079.254	0.79	25.4	7.2	0.2	6.95	4.25	3.45	28	2.5	7
APG07.079.305	0.79	30.5	7.2	0.2	6.95	4.25	3.45	33	2.5	7
APG07.079.356	0.79	35.6	7.2	0.2	6.95	4.25	3.45	38	2.5	7
APG07.079.406	0.79	40.6	7.2	0.2	6.95	4.25	3.45	43	2.5	7
APG07.100.102	1.0	10.2	7.2	0.2	6.95	4.25	3.45	13	2.5	7
APG07.100.152	1.0	15.2	7.2	0.2	6.95	4.25	3.45	18	2.5	7
APG07.100.203	1.0	20.3	7.2	0.2	6.95	4.25	3.45	23	2.5	7
APG07.100.254	1.0	25.4	7.2	0.2	6.95	4.25	3.45	28	2.5	7
APG07.100.305	1.0	30.5	7.2	0.2	6.95	4.25	3.45	33	2.5	7
APG07.100.356	1.0	35.6	7.2	0.2	6.95	4.25	3.45	38	2.5	7
APG07.100.406	1.0	40.6	7.2	0.2	6.95	4.25	3.45	43	2.5	7
APG07.117.102	1.17	10.2	7.2	0.2	6.95	4.25	3.45	13	2.5	7
APG07.117.152	1.17	15.2	7.2	0.2	6.95	4.25	3.45	18	2.5	7
APG07.117.203	1.17	20.3	7.2	0.2	6.95	4.25	3.45	23	2.5	7
APG07.117.254	1.17	25.4	7.2	0.2	6.95	4.25	3.45	28	2.5	7
APG07.117.305	1.17	30.5	7.2	0.2	6.95	4.25	3.45	33	2.5	7
APG07.117.356	1.17	35.6	7.2	0.2	6.95	4.25	3.45	38	2.5	7
APG07.117.406	1.17	40.6	7.2		6.95	4.25	3.45	43	2.5	7

Sipariş Örneği/Ordering Example/Bestellbeispiel

1 ad./pcs./stück APG07.079.102

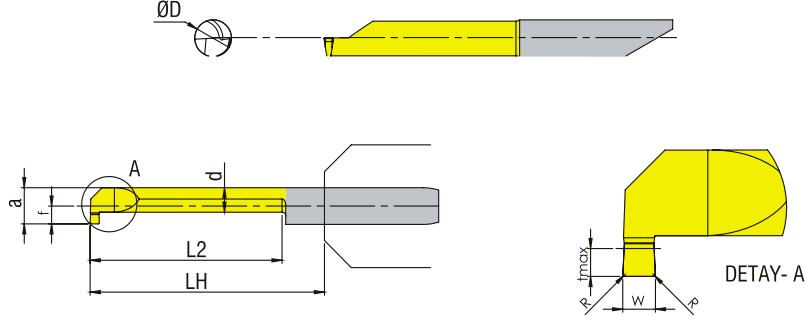
MINI CUT GROOVING

KANAL AÇMA MİNİ CUT TAKIMLAR



Ürün Kodu Product Code Artikelnummer	Takım Ölçüleri (mm) Dimension (mm) Abmessung (mm)									
	W	L2	Ødmin	R	a	d	f	LH	tmax	ØD
APG07.150.102	1.5	10,2	7.2	0.2	6.95	4.25	3.45	13	2.5	7
APG07.150.152	1.5	15.2	7.2	0.2	6.95	4.25	3.45	18	2.5	7
APG07.150.203	1.5	20.3	7.2	0.2	6.95	4.25	3.45	23	2.5	7
APG07.150.254	1.5	25.4	7.2	0.2	6.95	4.25	3.45	28	2.5	7
APG07.150.305	1.5	30.5	7.2	0.2	6.95	4.25	3.45	33	2.5	7
APG07.150.356	1.5	35.6	7.2	0.2	6.95	4.25	3.45	38	2.5	7
APG07.150.406	1.5	40,6	7.2	0.2	6.95	4.25	3.45	43	2.5	7
APG07.157.102	1.57	10,2	7.2	0.2	6.95	4.25	3.45	13	2.5	7
APG07.157.152	1.57	15.2	7.2	0.2	6.95	4.25	3.45	18	2.5	7
APG07.157.203	1.57	20.3	7.2	0.2	6.95	4.25	3.45	23	2.5	7
APG07.157.254	1.57	25.4	7.2	0.2	6.95	4.25	3.45	28	2.5	7
APG07.157.305	1.57	30.5	7.2	0.2	6.95	4.25	3.45	33	2.5	7
APG07.157.356	1.57	35.6	7.2	0.2	6.95	4.25	3.45	38	2.5	7
APG07.157.406	1.57	40,6	7.2	0.2	6.95	4.25	3.45	43	2.5	7
APG07.198.102	1.98	10,2	7.2	0.2	6.95	4.25	3.45	13	2.5	7
APG07.198.152	1.98	15.2	7.2	0.2	6.95	4.25	3.45	18	2.5	7
APG07.198.203	1.98	20.3	7.2	0.2	6.95	4.25	3.45	23	2.5	7
APG07.198.254	1.98	25.4	7.2	0.2	6.95	4.25	3.45	28	2.5	7
APG07.198.305	1.98	30.5	7.2	0.2	6.95	4.25	3.45	33	2.5	7
APG07.198.356	1.98	35.6	7.2	0.2	6.95	4.25	3.45	38	2.5	7

MINI CUT GROOVING KANAL AÇMA MİNİ CUT TAKIMLAR

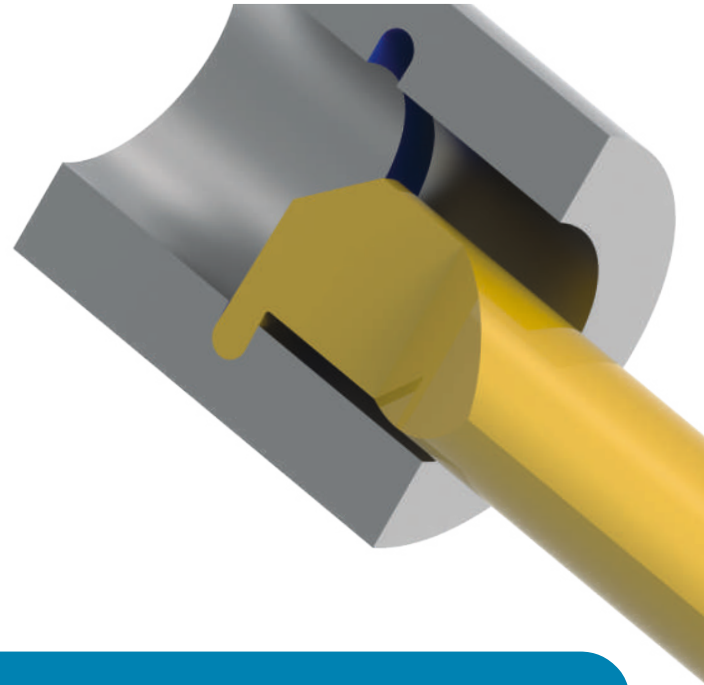
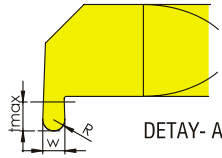
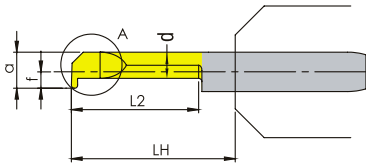
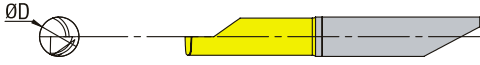


Ürün Kodu Product Code Artikelnummer	Takım Ölçüleri (mm) Dimension (mm) Abmessung (mm)									
	W	L2	Ødmin	R	a	d	f	LH	tmax	ØD
APG07.200.102	2.0	10.2	7.2	0.2	6.95	4.25	3.45	13	2.5	7
APG07.200.152	2.0	15.2	7.2	0.2	6.95	4.25	3.45	18	2.5	7
APG07.200.203	2.0	20.3	7.2	0.2	6.95	4.25	3.45	23	2.5	7
APG07.200.254	2.0	25.4	7.2	0.2	6.95	4.25	3.45	28	2.5	7
APG07.200.305	2.0	30.5	7.2	0.2	6.95	4.25	3.45	33	2.5	7
APG07.200.356	2.0	35.6	7.2	0.2	6.95	4.25	3.45	38	2.5	7
APG10.100.305	1.0	30.5	10.5	0.2	9.95	5.45	4.95	33.0	4.0	10
APG10.100.508	1.0	50.8	10.5	0.2	9.95	5.45	4.95	53.0	4.0	10
APG10.200.305	2.0	30.5	10.5	0.2	9.95	5.45	4.95	33.0	4.0	10
APG10.200.508	2.0	50.8	10.5	0.2	9.95	5.45	4.95	53.0	4.0	10
APG10.300.305	3.0	30.5	10.5	0.2	9.95	5.45	4.95	33.0	4.0	10
APG10.300.508	3.0	50.8	10.5	0.2	9.95	5.45	4.95	53.0	4.0	10

Sipariş Örneği/Ordering Example/Bestellbeispiel
1 ad./pcs./stück APG07.200.102

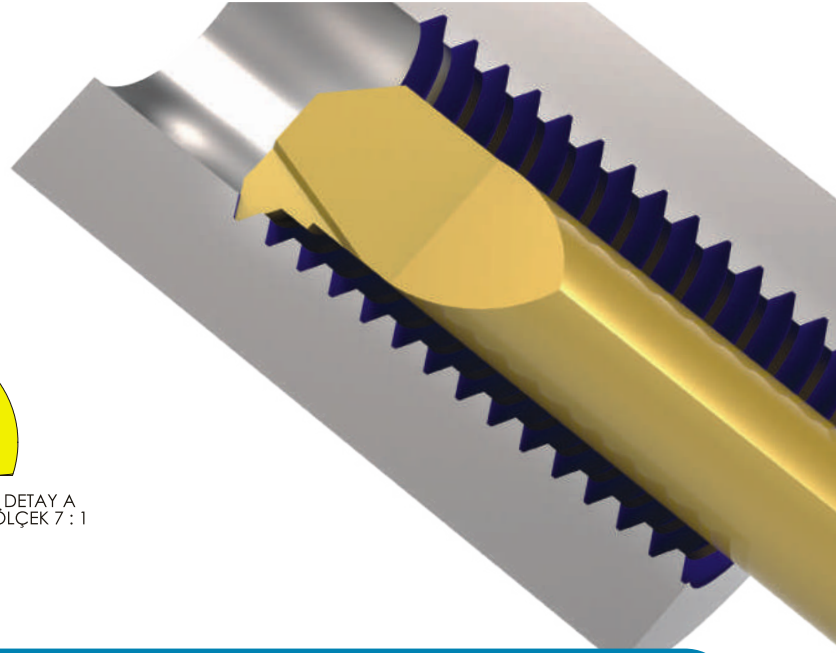
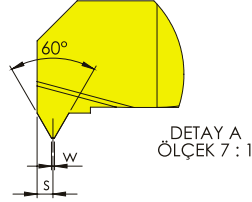
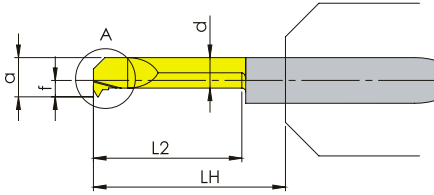
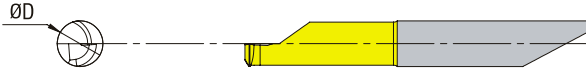
MINI CUT GROOVING

KANAL AÇMA MİNİ CUT TAKIMLAR



Ürün Kodu Product Code Artikelnummer	Takım Ölçüleri (mm) Dimension (mm) Abmessung (mm)									
	W	L2	Ødmin	R	a	d	f	LH	tmax	ØD
APG04.100.152.R050	1.0	15.2	4.2	0.5	3.95	2.95	1.95	18.0	0.8	4
APG04.117.152.R0585	1.17	15.2	4.2	0.585	3.95	2.95	1.95	18.0	0.8	4
APG05.100.203.R050	1.0	20.3	5.2	0.5	4.95	3.75	2.45	23.0	1.0	5
APG05.117.203.R0585	1.17	20.3	5.2	0.585	4.95	3.75	2.45	23.0	1.0	5
APG05.150.203.R075	1.5	20.3	5.2	0.75	4.95	3.75	2.45	23.0	1.0	5
APG05.1574.203.R0787	1.574	20.3	5.2	0.787	4.95	3.75	2.45	23.0	1.0	5
APG05.1626.203.R0813	1.626	20.3	5.2	0.813	4.95	3.75	2.45	23.0	1.0	5
APG05.198.203.R099	1.98	20.3	5.2	0.99	4.95	3.75	2.45	23.0	1.0	5
APG05.200.203.R100	2.0	20.3	5.2	1.0	4.95	3.75	2.45	23.0	1.0	5
APG06.100.254.R050	1.0	25.4	6.2	0.5	5.95	3.95	2.95	28.0	1.8	6
APG06.117.254.R0585	1.17	25.4	6.2	0.585	5.95	3.95	2.95	28.0	1.8	6
APG06.150.254.R075	1.5	25.4	6.2	0.75	5.95	3.95	2.95	28.0	1.8	6
APG06.1574.254.R0787	1.574	25.4	6.2	0.787	5.95	3.95	2.95	28.0	1.8	6
APG06.1626.254.R0813	1.626	25.4	6.2	0.813	5.95	3.95	2.95	28.0	1.8	6
APG06.198.254.R099	1.98	25.4	6.2	0.99	5.95	3.95	2.95	28.0	1.8	6
APG06.200.203.R100	2.0	20.3	6.2	1.0	5.95	3.95	2.95	23.0	1.8	6
APG06.200.254.R100	2.0	25.4	6.2	1.0	5.95	3.95	2.95	28.0	1.8	6
APG07.100.305.R050	1.0	30.5	7.2	0.5	6.95	4.25	3.45	33.0	2.5	7
APG07.117.305.R0585	1.17	30.5	7.2	0.585	6.95	4.25	3.45	33.0	2.5	7
APG07.150.305.R075	1.5	30.5	7.2	0.75	6.95	4.25	3.45	33.0	2.5	7
APG07.1574.305.R0787	1.574	30.5	7.2	0.787	6.95	4.25	3.45	33.0	2.5	7
APG07.1626.305.R0813	1.626	30.5	7.2	0.813	6.95	4.25	3.45	33.0	2.5	7
APG07.198.305.R099	1.98	30.5	7.2	0.99	6.95	4.25	3.45	33.0	2.5	7
APG07.200.305.R100	2.0	30.5	7.2	1.0	6.95	4.25	3.45	33.0	2.5	7

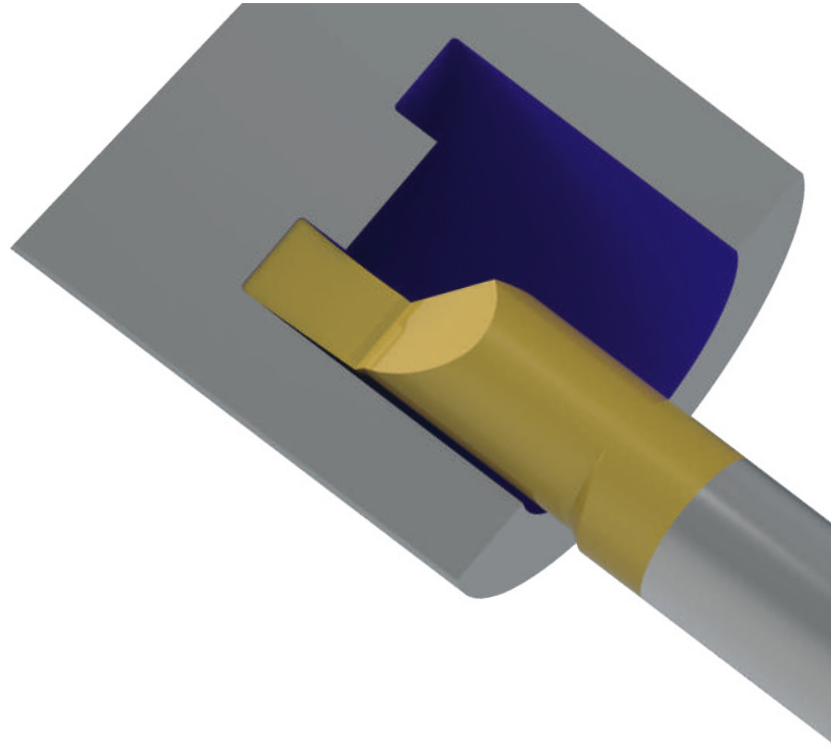
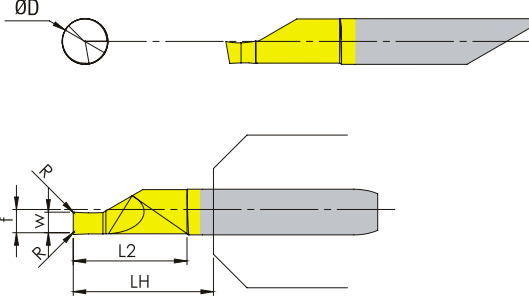
MINI CUT THREADING DİŞ ÇEKME MINI CUT TAKIMLAR



Ürün Kodu Product Code Artikelnummer	Takım Ölçüleri (mm) Dimension (mm) Abmessung (mm)											
	PITCH		L2	ØDmin	a	d	f	LH	S	tmax	w	ØD
	min	max										
APT.04.152.080	0.8	1.0	15.2	4.2	3.65	2.7	1.95	18.0	0.45	0.46	0.1	4
APT.04.152.050	0.5	0.7	15.2	4.2	3.95	2.95	1.95	18.0	0.35	0.4	0.06	4
APT.05.152.100	1.0	1.25	15.2	4.8	4.55	3.55	2.25	18.0	0.55	0.7	0.12	5
APT.05.203.100	1.0	1.25	20.3	4.8	4.55	3.55	2.25	23.0	0.55	0.7	0.12	5
APT.05.254.100	1.0	1.25	25.4	4.8	4.55	3.55	2.25	28.0	0.55	0.7	0.12	5
APT.05.152.075	0.75	1.0	15.2	5.2	4.85	3.65	2.40	18.0	0.45	0.57	0.09	5
APT.05.152.050	0.5	0.75	15.2	5.2	4.95	3.75	2.45	18.0	0.35	0.43	0.06	5
APT.06.152.100	1.0	1.25	15.2	6.2	5.95	3.95	2.95	18.0	0.55	0.7	0.12	6
APT.06.152.125	1.25	1.5	15.2	6.2	5.95	3.95	2.95	18.0	0.75	0.84	0.16	6
APT.06.203.125	1.25	1.5	20.3	6.2	5.95	3.95	2.95	23.0	0.75	0.84	0.16	6
APT.06.254.125	1.25	1.5	25.4	6.2	5.95	3.95	2.95	28.0	0.75	0.84	0.16	6
APT.06.152.150	1.5	1.75	15.2	6.2	5.95	3.95	2.95	18.0	0.8	0.98	0.18	6
APT.06.203.150	1.5	1.75	20.3	6.2	5.95	3.95	2.95	23.0	0.8	0.98	0.18	6
APT.06.254.150	1.5	1.75	25.4	6.2	5.95	3.95	2.95	28.0	0.8	0.98	0.18	6

Sipariş Örneği/Ordering Example/Bestellbeispiel
1 ad./pcs./stück APT.04.152.080

MINI CUT FACE GROOVING ALIN KANAL AÇMA MİNİ CUT TAKIMLAR



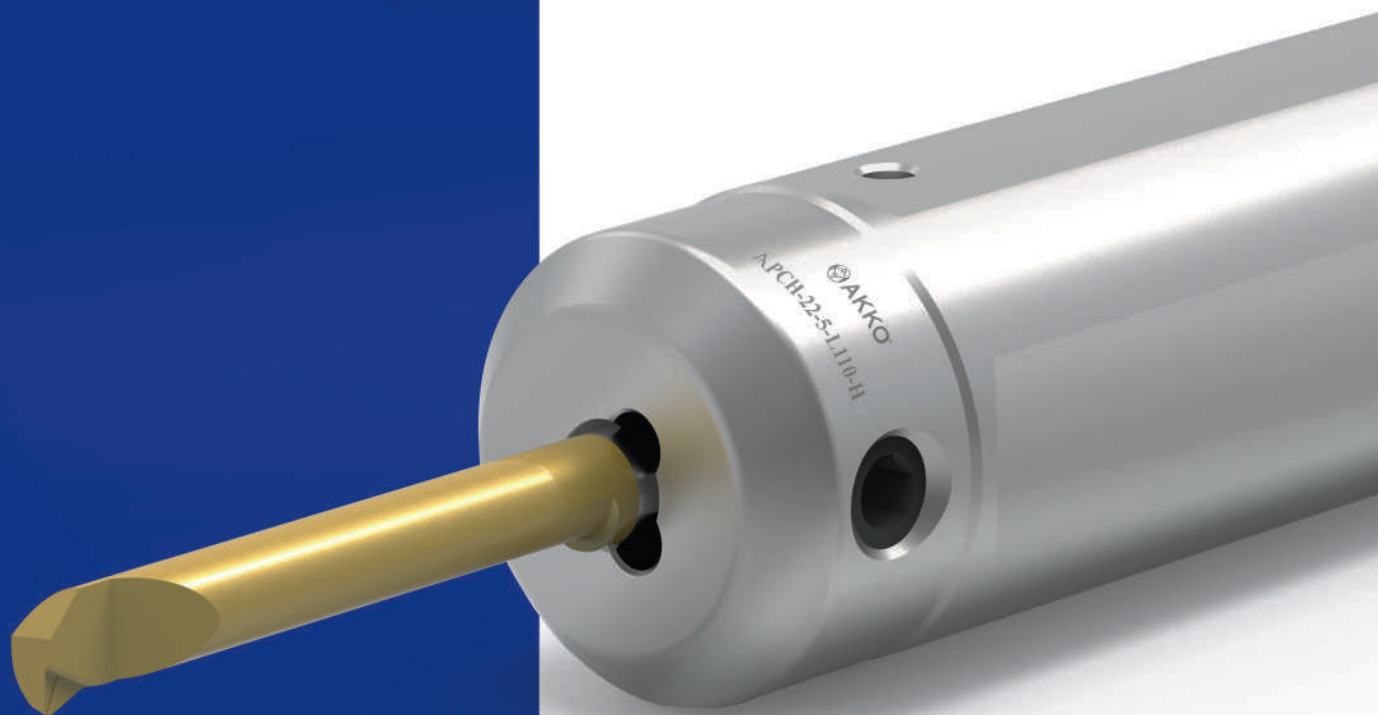
Ürün Kodu Product Code Artikelnummer	Takım Ölçüleri (mm) Dimension (mm) Abmessung (mm)							
	W	L2	Ødmin	R	f	LH	tmax	ØD
APFG06.152.0787	0.787	15.2	6.2	0.05	2.95	18.0	1.8	6
APFG06.152.1000	1.0	15.2	6.2	0.05	2.95	18.0	2.0	6
APFG06.152.1500	1.5	15.2	6.2	0.05	2.95	18.0	3.0	6
APFG06.152.1000	1.0	15.2	6.2	0.15	2.95	18.0	2.0	6
APFG06.152.1168	1.168	15.2	6.2	0.15	2.95	18.0	2.34	6
APFG06.152.1500	1.5	15.2	6.2	0.15	2.95	18.0	3.0	6
APFG06.152.1575	1.575	15.2	6.2	0.15	2.95	18.0	3.15	6
APFG06.152.1981	1.981	15.2	6.2	0.15	2.95	18.0	3.95	6
APFG06.152.2000	2.0	15.2	6.2	0.15	2.95	18.0	4.0	6
APFG06.152.2388	2.388	15.2	6.2	0.15	2.95	18.0	5.0	6
APFG06.152.2500	2.5	15.2	6.2	0.15	2.95	18.0	5.0	6
APFG06.152.3000	3.0	15.2	6.2	0.15	2.95	18.0	6.0	6
APFG06.152.3175	3.175	15.2	6.2	0.15	2.95	18.0	6.0	6

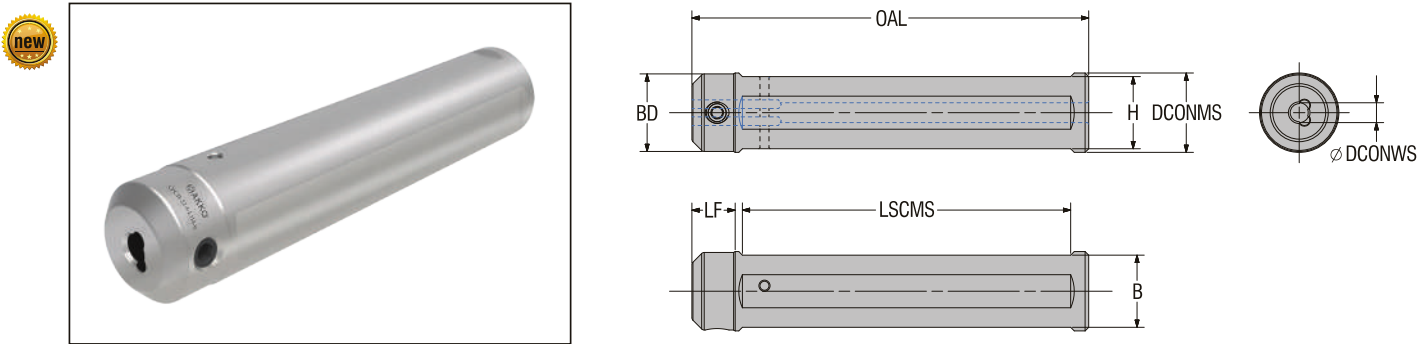


MINI CUT TAKIMLARI BİLGİ ALMA FORMU						
INFORMATION REQUEST FORM FOR MINI CUT TOOLS						
INFORMATIONSFORMULAR FÜR MINI CUT WERKZEUGE						
TOOL TYPE		TOOL DIMENSIONS				
BORING ☐		ØD	ØDmin	L	RE	TMAX
GROOVING ☐					RE - R1,R2	W TMAX
FACE GROOVING ☐					RE - R1,R2	W TMAX
THREADING ☐					CHOOSE THREADING TYPE	
					METRIC ☐	NPT ☐ UNF/UNC ☐
					TRAPEZOIDAL ☐	WHITWORTH ☐ ACME ☐

MINI CUT TUTUCULAR

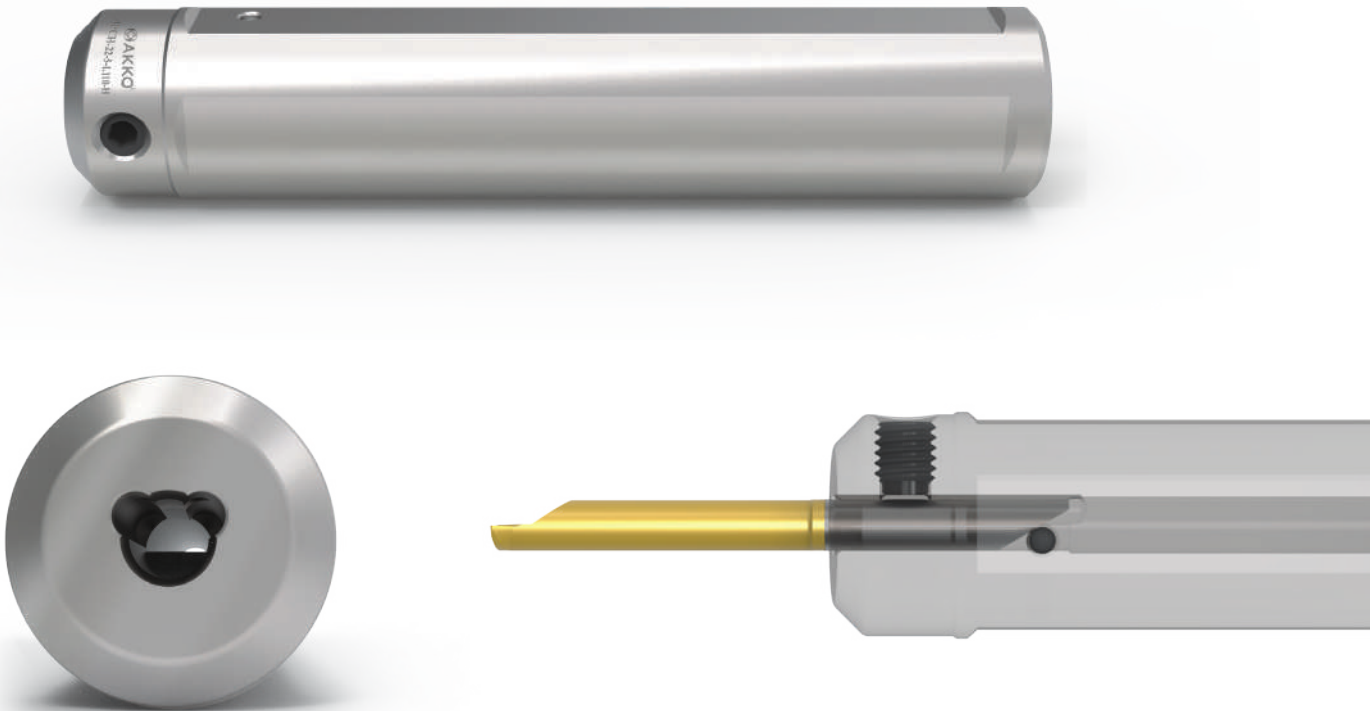
MINI CUT HOLDERS
MINI CUT HALTER





Takım Kodu Ordering Code Bestell-Bezeichnung	Stok Stock Lager	Takım Ölçüleri (mm) Dimension (mm) Abmessung (mm)							
		DCONWS	OAL	DCONMS	BD	LF	LSCMS	B	H
APCH-16-4-L110-H	○	4	110	16	-	-	56	14.8	14.8
APCH-16-5-L110-H	○	5	110	16	-	-	56	14.8	14.8
APCH-16-6-L110-H	○	6	110	16	-	-	56	14.8	14.8
APCH-16-7-L110-H	○	7	110	16	-	-	56	14.8	14.8
APCH-20-4-L110-H	●	4	110	20	19.50	11	92	18.80	18.80
APCH-20-5-L110-H	●	5	110	20	19.50	11	92	18.80	18.80
APCH-20-6-L110-H	●	6	110	20	19.50	11	92	18.80	18.80
APCH-20-7-L110-H	●	7	110	20	19.50	11	91	18.80	18.80
APCH-22-4-L110-H	●	4	110	22	21.50	12	91	20	20
APCH-22-5-L110-H	●	5	110	22	21.50	12	91	20	20
APCH-22-6-L110-H	●	6	110	22	21.50	12	91	20	20
APCH-22-7-L110-H	●	7	110	22	21.50	12	91	20	20

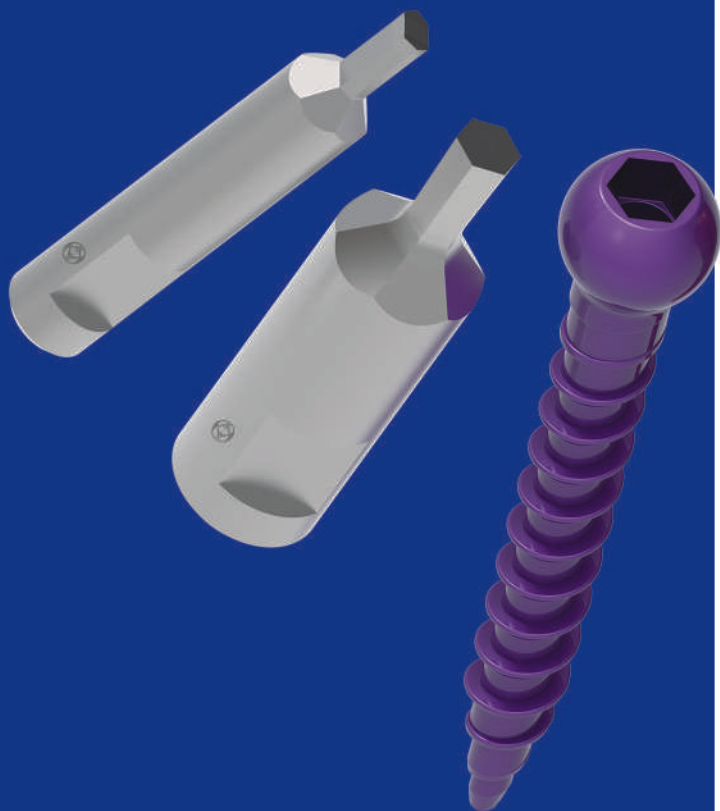
Sipariş Örneği/Ordering Example/Bestellbeispiel
1 ad./pcs./stück APCH-16-4-L110-H

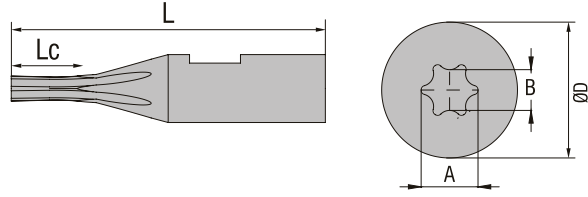


TORX - ALYAN / PUNCH - KAZIMA TAKIMLARI

TORX-ALLEN / PUNCH - BROACH SET

TORX WINKELSCHRAUBENDEHER WERKZEUGE



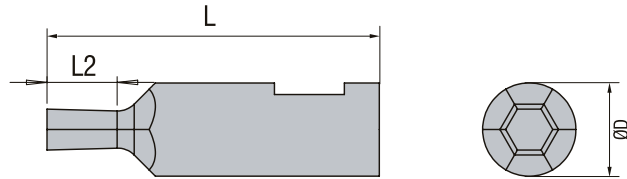


Ürün Kodu
Product Code
Artikelnummer

Soket Numarası
Socket Number
Seriennummer

Uç Ölçüleri (mm)
Insert Dimension (mm)
Abmessung (mm)

		ØD	L2	L
APT-006	T6	8	3	30
APT-008	T8	8	3.8	30
APT-010	T10	8	4.6	30
APT-015	T15	8	5.4	30
APT-020	T20	8	6.2	30
APT-025	T25	10	6.5	45
APT-030	T30	10	7	45
APT-040	T40	10	8	45
APT-045	T45	10	9	45
APT-050	T50	10	10	45

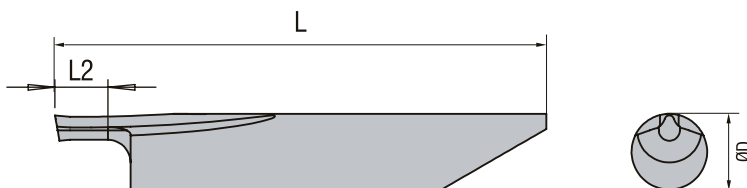


Ürün Kodu
Product Code
Artikelnummer

Soket Numarası
Socket Number
Seriennummer

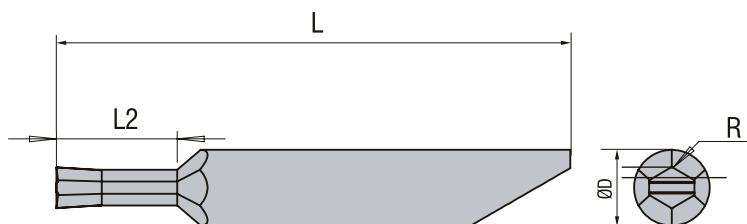
Uç Ölçüleri (mm)
Insert Dimension (mm)
Abmessung (mm)

		ØD	L2	L
APH-0016	A1.5	8	3	30
APH-0020	A2.0	8	4	30
APH-0025	A2.5	8	5	30
APH-0030	A3.0	8	6	30
APH-0035	A3.5	8	6	30
APH-0040	A4.0	8	8	30
APH-0045	A4.5	8	9	30
APH-0050	A5.0	8	10	30
APH-0060	A6.0	8	11	30
APH-0080	A8.0	8	12	30
APH-0100	A10	8	12	30
APH-0120	A12	10	12	45
APH-0140	A14	10	16	45
APH-0160	A16	10	18	45
APH-0200	A20	10	20	45

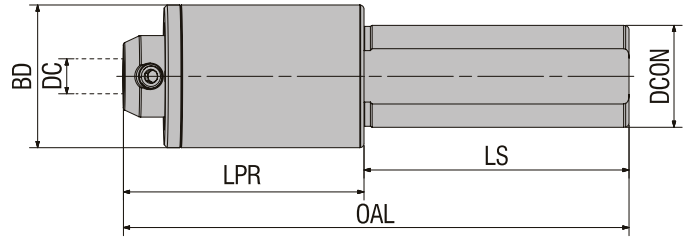


Ürün Kodu Product Code Artikelnummer	Soket Numarası Socket Number Seriennummer	Uç Ölçüleri (mm) Insert Dimension (mm) Abmessung (mm)		
		ØD	L2	L
AKTX-006	6	6	3.0	38
AKTX-008	8	6	4.0	38
AKTX-010	10	6	4.5	38
AKTX-015	15	6	4.5	38
AKTX-020	20	6	5.0	38
AKTX-030	30	6	6.0	38
AKTX-040	40	6	6.5	38
AKTX-045	45	6	7.0	38

Ürün Kodu Product Code Artikelnummer	Soket Numarası Socket Number Seriennummer	Uç Ölçüleri (mm) Insert Dimension (mm) Abmessung (mm)		
		ØD	L2	L
AKTX-050	50	6	7.0	38
AKTX-055	55	6	7.5	38
AKTX-060	60	6	9.0	38
AKTX-070	70	6	9.5	38
AKTX-080	80	6	10.5	38
AKTX-090	90	6	11.5	38
AKTX-0100	100	6	12.0	38



Ürün Kodu Product Code Artikelnummer	Soket Numarası Socket Number Seriennummer	Uç Ölçüleri (mm) Insert Dimension (mm) Abmessung (mm)			
		ØD	R	L2	L
VKHX-002-002	2	6	0.05	3	38
VKHX-003-003	3	6	0.05	6	38
VKHX-004-006	4-6	6	0.10	8	38
VKHX-007-012	7-12	8	0.15	12	38



Ürün Kodu Product Code Artikelnummer	Uç Ölçüleri (mm) Insert Dimension (mm) Abmessung (mm)					
	BD	DC	LPR	LS	OAL	DCON
ABTH-D08-W25-L130	Ø35.00	Ø8.00	59.00	65.00	124.00	Ø25.00

Sipariş Örneği/Ordering Example/Bestellbeispiel
1 ad./pcs./stück ABTH-D08-W25-L130



COMING
SOON!

★ ★ ★
NEW!
S-DRILL

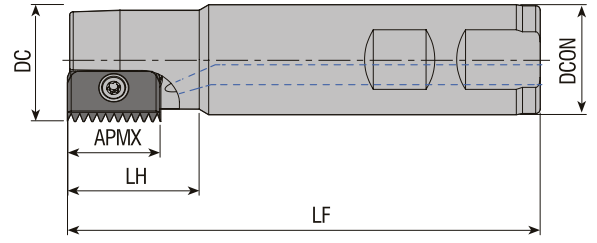




DİŞ AÇMA FREZELEME TAKIMLARI VE UÇLARI

THREAD MILLING INSERTS AND TOOLHOLDER
GEWINDEFÄRÄSERWERKZEUGE

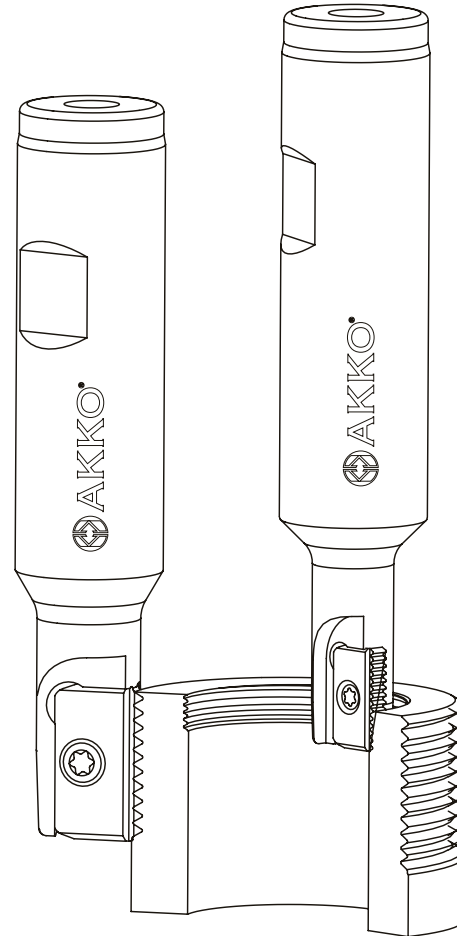


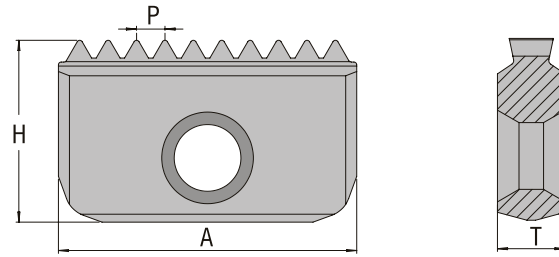
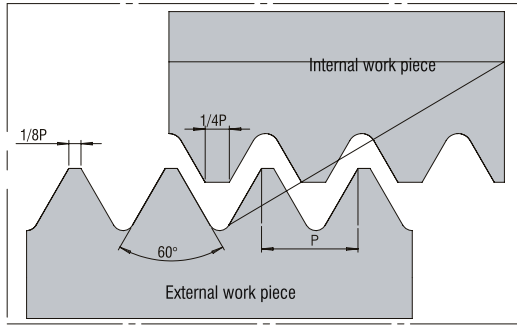


Takım Kodu Ordering Code Bestell-Bezeichnung	Stok Stock Lager	Takım Ölçüleri (mm) Dimension (mm) Abmessung (mm)						Kesici Uç Insert Wendeschneidplatte	Yedek Parçaları / Spare Parts / Ersatzteile	
			DC	ZEFP	DCON	LF	LH		APMX	Sıkma Vidası Screw Schraube
										
ATM-C14-D14-W20-L100-Z01-H	●	14	1	20	100	25	14	C14	3008-M2.5x6	82-T08
ATM-C21-D18-W20-L100-Z01-H	●	18	1	20	100	30	21		C21	4015-M4x9
ATM-C21-D21-W25-L125-Z01-H	●	21	1	25	125	40	21			
ATM-C21-D25-W20-L125-Z01-H	●	25	1	20	125	30	21			
ATM-C21-D28-W25-L90-Z01-H	●	28	1	25	90	30	21			
ATM-C21-D38-W32-L90-Z03-H	●	38	3	32	90	30	21			
ATM-C21-D38-W32-L120-Z03-H	●	38	3	32	120	30	21			
ATM-C21-D43-W32-L90-Z03-H	●	43	3	32	90	30	21	C30	1020-M5x14	80-T20
ATM-C30-D29-W25-L150-Z01-H	●	29	1	25	150	50	30			

CPT Ucuna Uygundur. / Compatible with CPT Insert. / Kompatibel mit CPT Wendeleplatten.

Sipariş Örneği/Ordering Example/Bestellbeispiel
1 ad./pcs./stück ATM-C14-D14-W20-L100-Z01-H

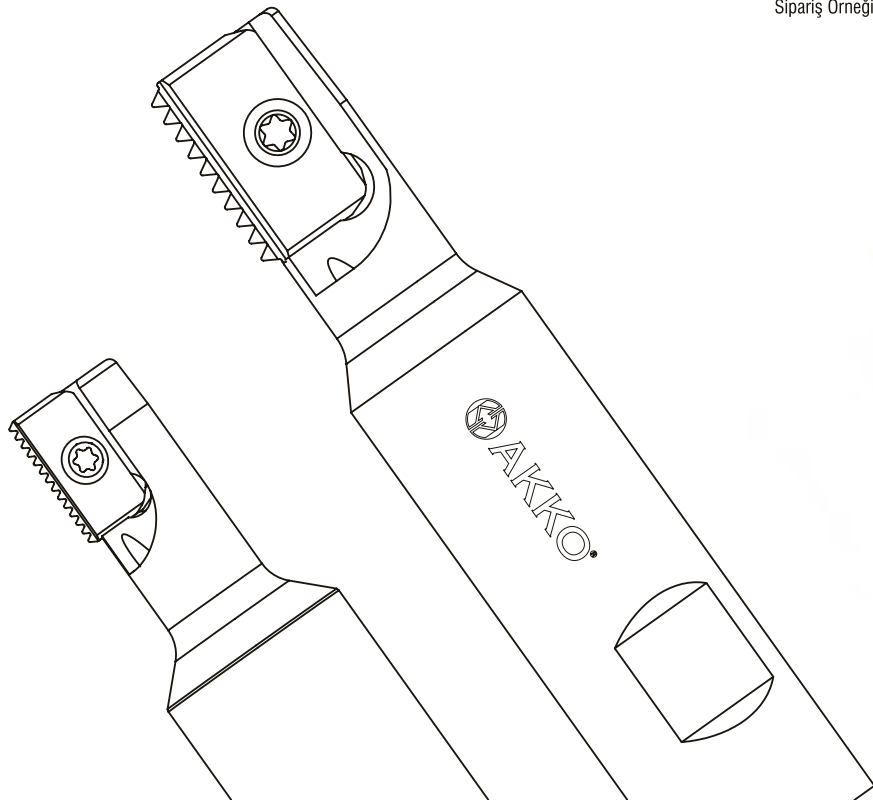


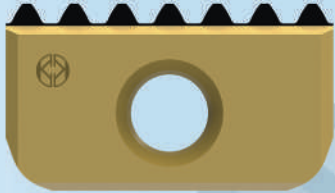
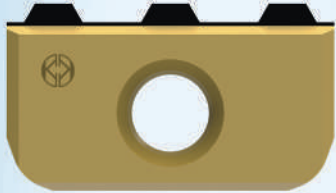
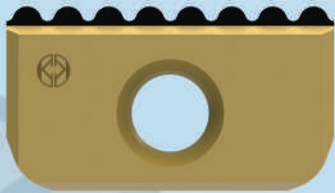


Ürün Kodu Product Code Artikelnummer	Insert Tipi Insert Type Wendeplatten Typ A	Takım Ölçüleri (mm) Dimension (mm) Abmessung (mm)		
		Adım Pitch Wendeplatten Typ P	H	T
ADTI14.050	C14	0.5	7.5	3.1
ADTI14.075		0.75	7.5	3.1
ADTE14.075		0.75	7.5	3.1
ADTI14.100		1.00	7.5	3.1
ADTE14.100		1.00	7.5	3.1
ADTI14.125		1.25	7.5	3.1
ADTE14.125		1.25	7.5	3.1
ADTI14.150		1.50	7.5	3.1
ADTE14.150		1.50	7.5	3.1
ADTI14.175		1.75	7.5	3.1
ADTE14.175		1.75	7.5	3.1
ADTI14.200		2.00	7.5	3.1
ADTE14.200		2.00	7.5	3.1
ADTI14.250		2.50	7.5	3.1
ADTE14.250		2.50	7.5	3.1

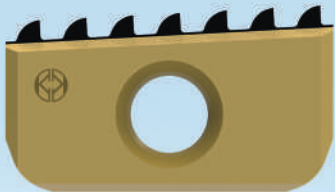
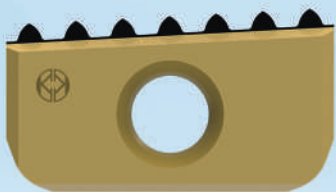
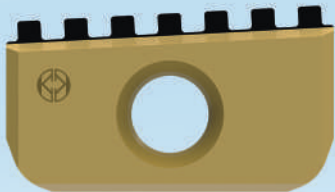
Ürün Kodu Product Code Artikelnummer	Insert Tipi Insert Type Wendeplatten Typ A	Takım Ölçüleri (mm) Dimension (mm) Abmessung (mm)		
		Adım Pitch Wendeplatten Typ P	H	T
ADTI21.100	C21	1.00	12	4.7
ADTE21.100		1.00	12	4.7
ADTI21.150		1.50	12	4.7
ADTE21.150		1.50	12	4.7
ADTI21.175		1.75	12	4.7
ADTI21.200		2.00	12	4.7
ADTE21.200		2.00	12	4.7
ADTI21.250		2.50	12	4.7
ADTE21.250		2.50	12	4.7
ADTI21.300		3.00	12	4.7
ADTE21.300		3.00	12	4.7
ADTI21.350		3.5	12	4.7

Sipariş Örneği/Ordering Example/Bestellbeispiel
1 ad./pcs./stück ADTI14.050





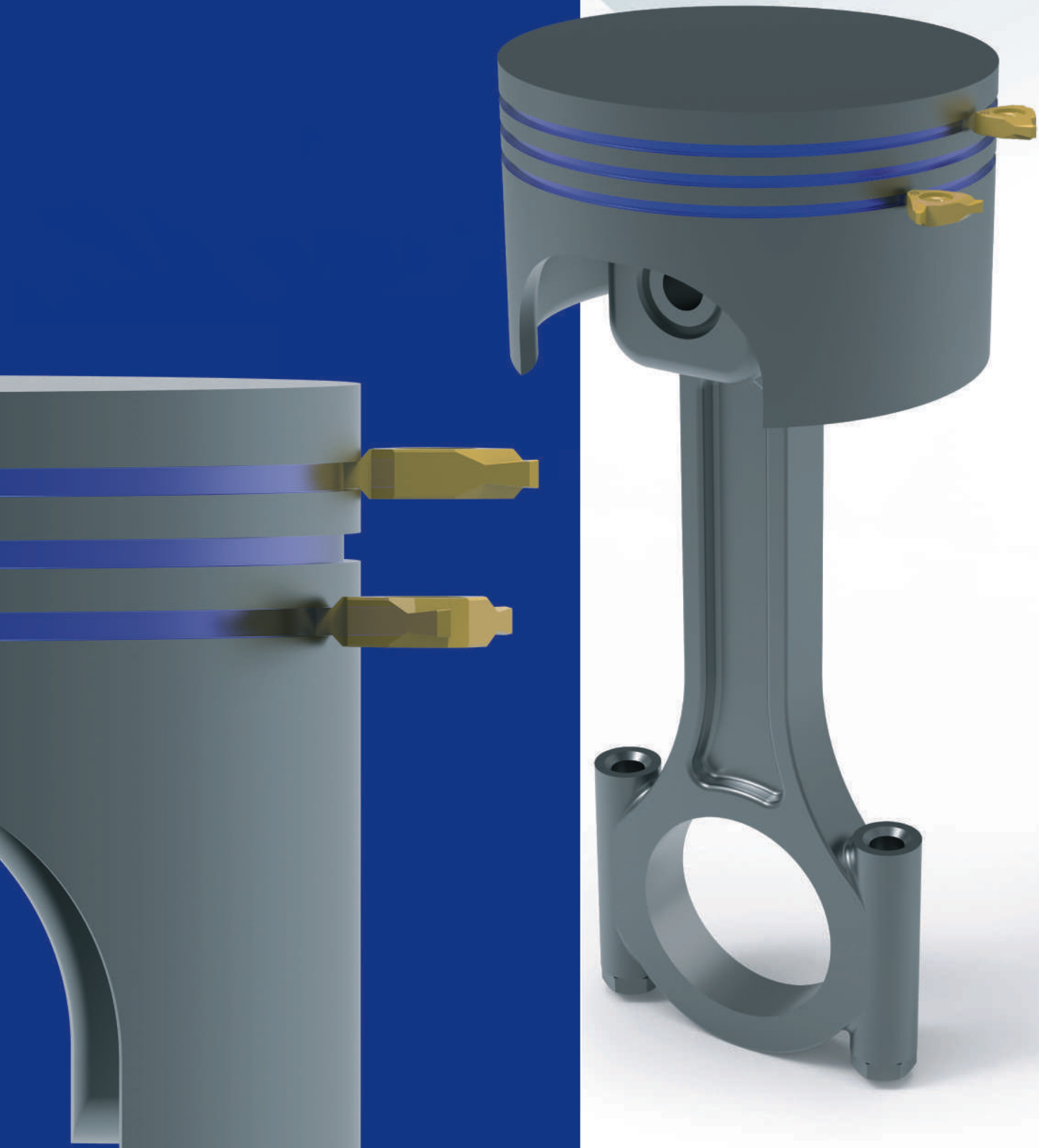
SPECIAL
THREADING MILLING
TOOLS

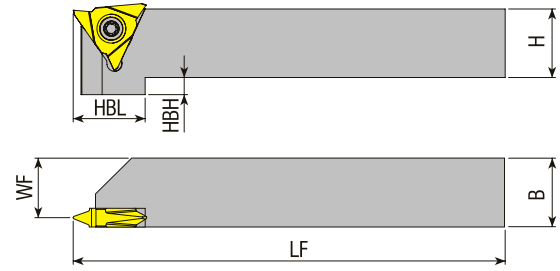


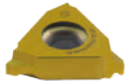
DIŞ TARAĞI BİLGİ ALMA FORMU INFORMATION FORM FOR SPECIAL THREAD MILLING INSERTS INFORMATIONSFÖRM FÜR SONDER GEWINDEFÄSERWERKZEUGE			
Insert Type	Thread Type	Thread Pitch mm	Thread Profile
C 14	External ☐ Internal ☐ Nötr ☐		ISO ☐ UN ☐ WHIT ☐ NPT ☐ NPTF ☐ BSPT ☐ NPS ☐ NPSF ☐ PG ☐
C 21	External ☐ Internal ☐ Nötr ☐		ISO ☐ UN ☐ WHIT ☐ NPT ☐ NPTF ☐ BSPT ☐ NPS ☐ NPSF ☐ PG ☐

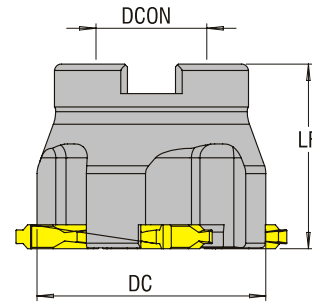
SEGMAN UÇLARI VE TAKIMLARI

RING INSERTS AND TOOLHOLDERS
RINGEINSÄTZE UND WERKZEUGHALTER



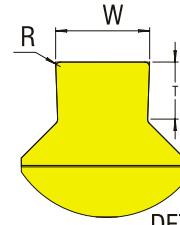
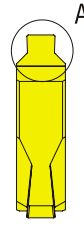
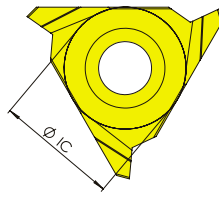


Takım Kodu Ordering Code Bestell-Bezeichnung	Stok Stock Lager		Takım Ölçüleri (mm) Dimension (mm) Abmessung (mm)						Kesici Uç Insert Wendesck neidplatte	Yedek Parçaları / Spare Parts / Ersatzteile	
	R	L	H	B	WF	LF	HBL	HBH			Sıkma Vidası Screw Sch raube
											
ADKT-T12P-R/L-1616-T5	●	●	16	16	13.50	125	21	5	T12...	1020-M5x14	80-T20
ADKT-T12P-R/L-2020-T5	●	●	20	20	17.50	125	21	5			
ADKT-T12P-R/L-2525-T5	●	●	25	25	22.50	150	-	-			
ADKT-T12P-R/L-3232-T5	●	●	32	32	29.50	170	-	-			



Takım Kodu Ordering Code Bestell-Bezeichnung	Takım Ölçüleri (mm) Dimension (mm) Abmessung (mm)					Kesici Uç Insert Wendeschnidplatte	Yedek Parçaları / Spare Parts / Ersatzteile	
	DC	ZEFP	DCON	LF	APMX		Sıkma Vidası Screw Schraube	Tork Anahtar Torx Key Torx-Schlüssel
								
ASFM-T12-D40x5.2-A16-Z04	40	2	16	40	-	T12...	1020-M5x14	80-T20
ASFM-T12-D50x5.2-A22-Z04	50	3	22	40	-			
ASFM-T12-D60x5.2-A22-Z04	60	4	22	40	-			

Sipariş Örneği/Ordering Example/Bestellbeispiel
1 ad./pcs./stück ADKT-T12P-R/L-1616-T5



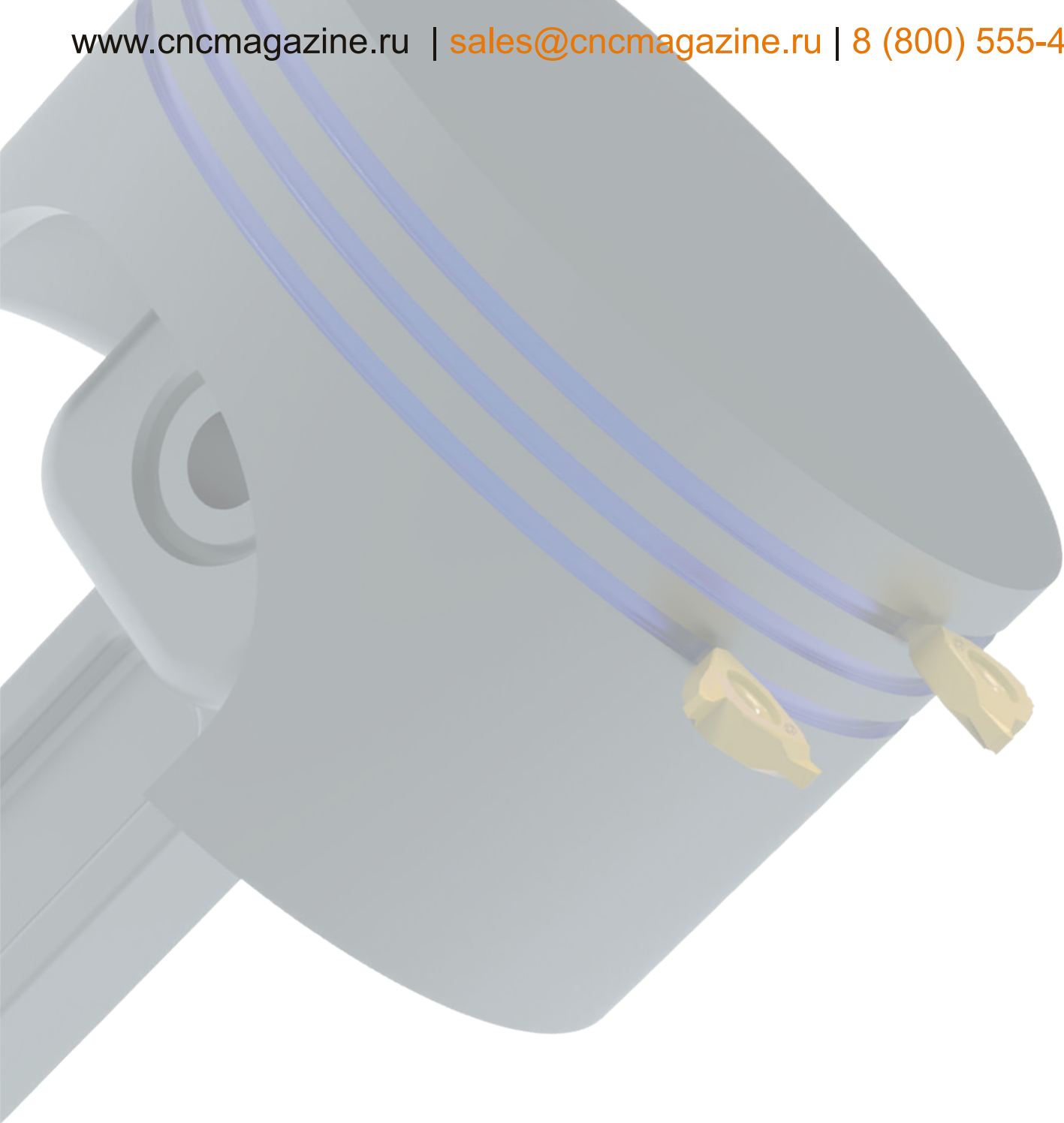
DETAY A

Ürün Kodu Product Code Artikelnummer	Stok Stock Lager	Uç Ölçüleri (mm) Insert Dimension (mm) Abmessung (mm)			
		IC	W	R	T
ASK-125-13	●	13	1.25	0.2	1.3
ASK-135-13	●	13	1.35	0.2	1.3
ASK-145-13	●	13	1.45	0.2	1.3
ASK-150-13	●	13	1.5	0.2	1.3
ASK-165-18	●	13	1.65	0.2	1.8
ASK-175-18	●	13	1.75	0.2	1.8
ASK-185-23	●	13	1.85	0.2	2.3
ASK-200-23	●	13	2	0.2	2.3
ASK-220-33	●	13	2.2	0.2	3.3
ASK-230-33	●	13	2.3	0.2	3.3
ASK-250-33	●	13	2.5	0.3	3.3
ASK-265-33	●	13	2.65	0.3	3.3
ASK-270-33	●	13	2.7	0.3	3.3
ASK-280-33	●	13	2.8	0.3	3.3
ASK-300-33	●	13	3	0.3	3.3
ASK-320-33	●	13	3.2	0.3	3.3
ASK-330-33	●	13	3.3	0.3	3.3
ASK-350-38	●	13	3.5	0.3	3.8
ASK-370-38	●	13	3.7	0.3	3.8
ASK-390-38	●	13	3.9	0.3	3.8
ASK-400-38	●	13	4	0.3	3.8

● Stokta / In Stock / Auf Lager ○ Stokta Yok / Non Stock Item / Kein Lagerartikel, Lieferzeit auf Anfrage

Sipariş Örneği/Ordering Example/Bestellbeispiel

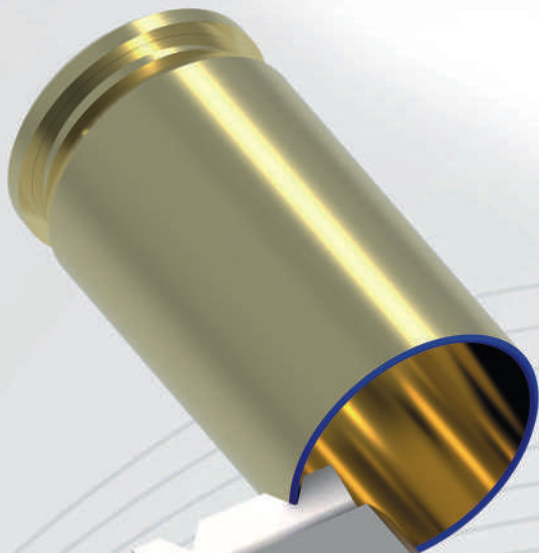
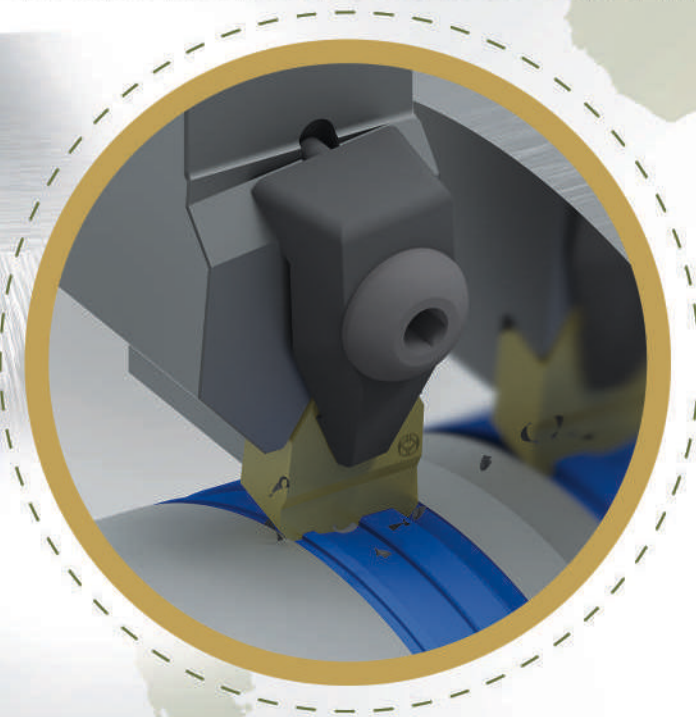
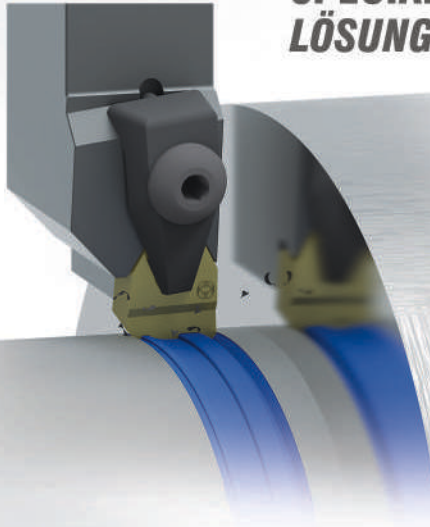
1 ad./pcs./stück ASK-125-13



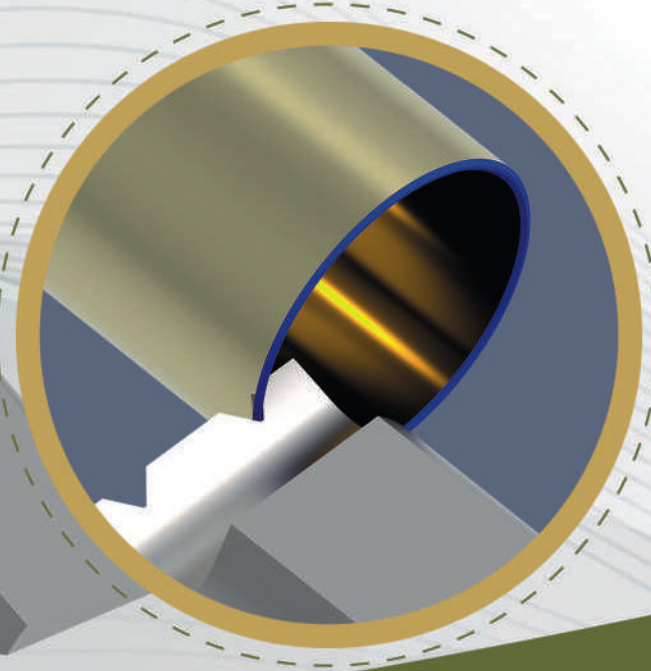
SEGMAN UCU BİLGİ ALMA FORMU		
INFORMATION REQUEST FORM FOR RING INSERTS		
INFORMATIONSFÖRMULAR FÜR RINGEINSÄTZE		
W :		A technical cross-section drawing of a ring insert. It shows a rectangular block with a width 'W' and a height 'T'. The top corners are rounded with a radius 'R'. The bottom corners are chamfered with a radius 'R1' and a chamfer angle 'β'.
R :		
R1 :		
β :		

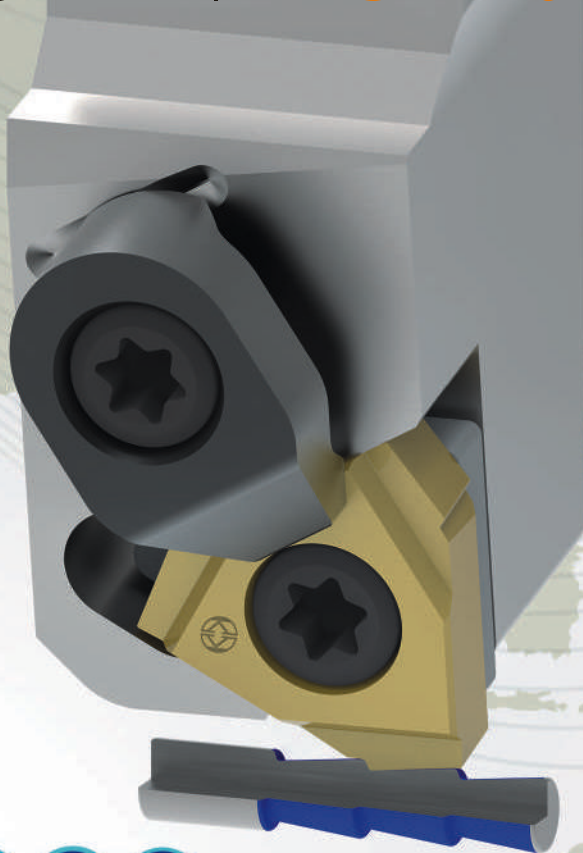


ÖZEL FORM KANAL AÇMA ÇÖZÜMÜ
SPECIAL FORM GROOVING SOLUTIONS
LÖSUNGEN ZUM EINSTECHDREHEN IN SONDERFORMEN

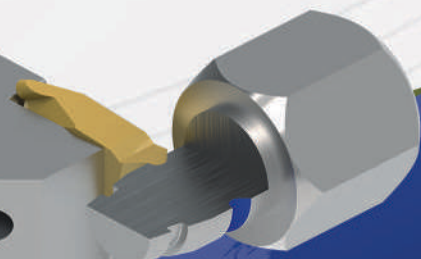
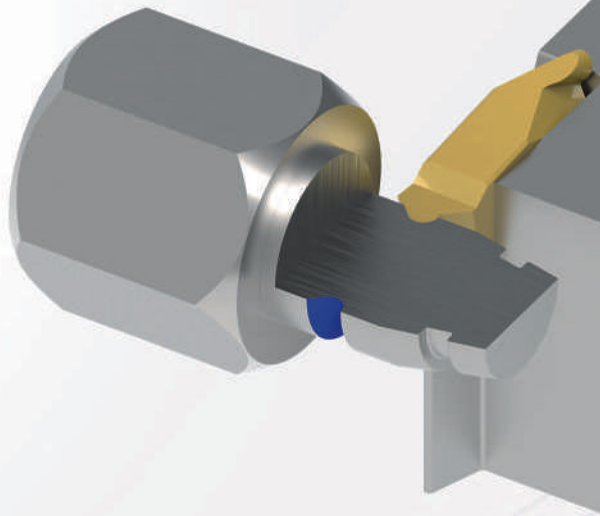


ÖZEL TALAŞLI İMALAT ÇÖZÜMLERİ
SPECIAL MACHINING SOLUTIONS
SONDERLÖSUNGEN FÜR MASCHINEN



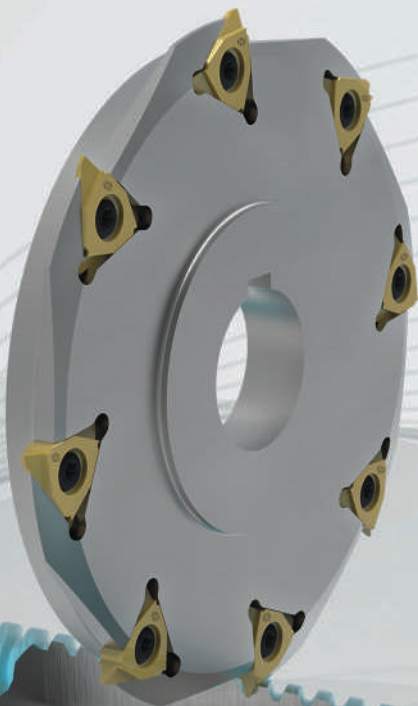
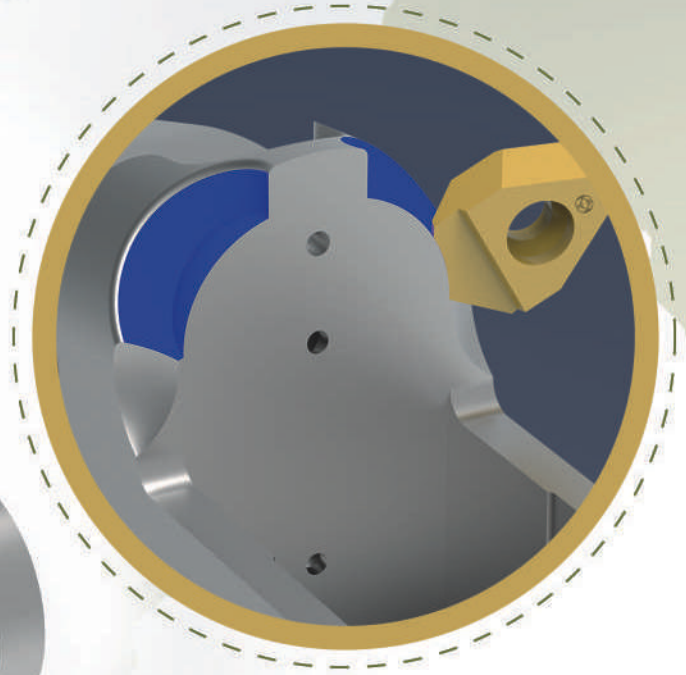
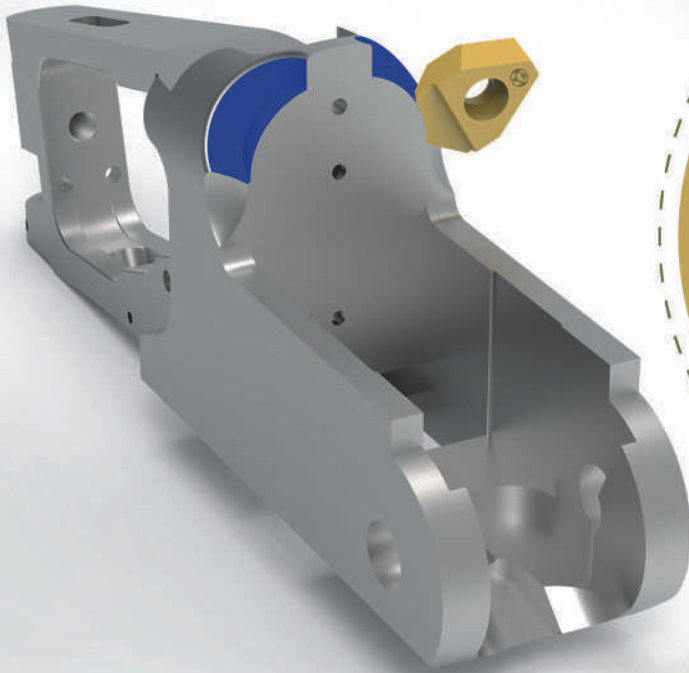


ÖZEL FORM KANAL AÇMA ÇÖZÜMÜ
SPECIAL FORM GROOVING SOLUTIONS
LÖSUNGEN ZUM EINSTECHDREHEN IN SONDERFORMEN





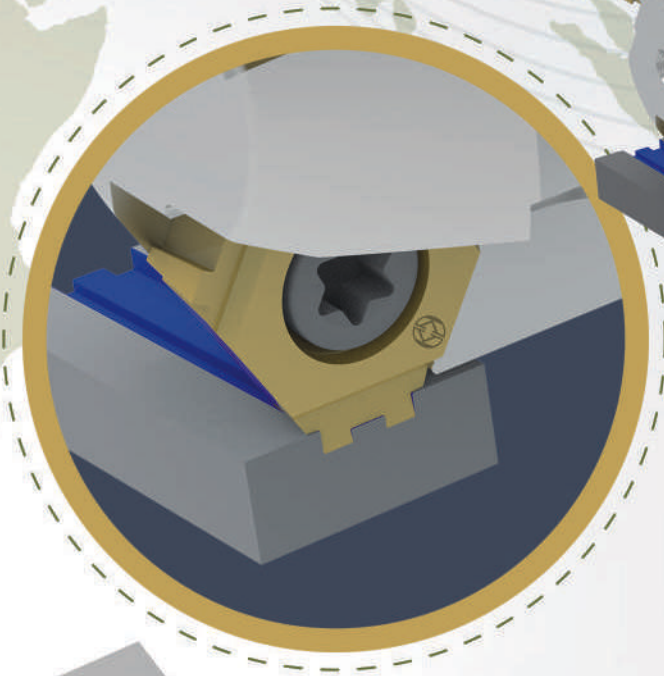
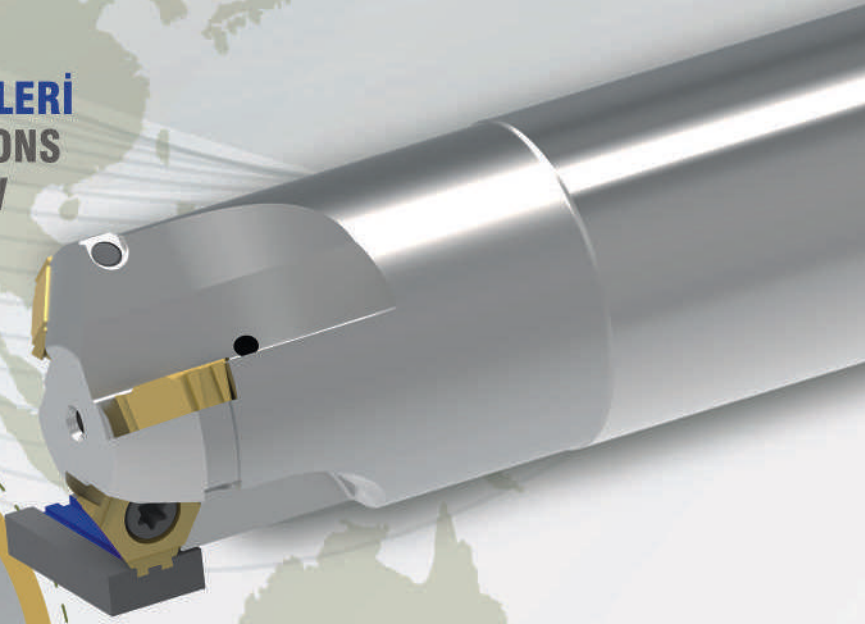
ÖZEL FORM FREZELEME ÇÖZÜMLERİ
SPECIAL FORM MILLING SOLUTIONS
LÖSUNGEN FÜR SONDERFORMEN
ZUM FRÄSEN



SONSUZ DİŞLİ FREZELEME ÇÖZÜMLERİ
SPECIAL MACHINING SOLUTIONS
LÖSUNGEN ZUM FRÄSEN MIT
ZAHNSTANGENGETRIEBE



ÖZEL FORM FREZELEME ÇÖZÜMLERİ
SPECIAL FORM MILLING SOLUTIONS
LÖSUNGEN FÜR SONDERFORMEN
ZUM FRÄSEN

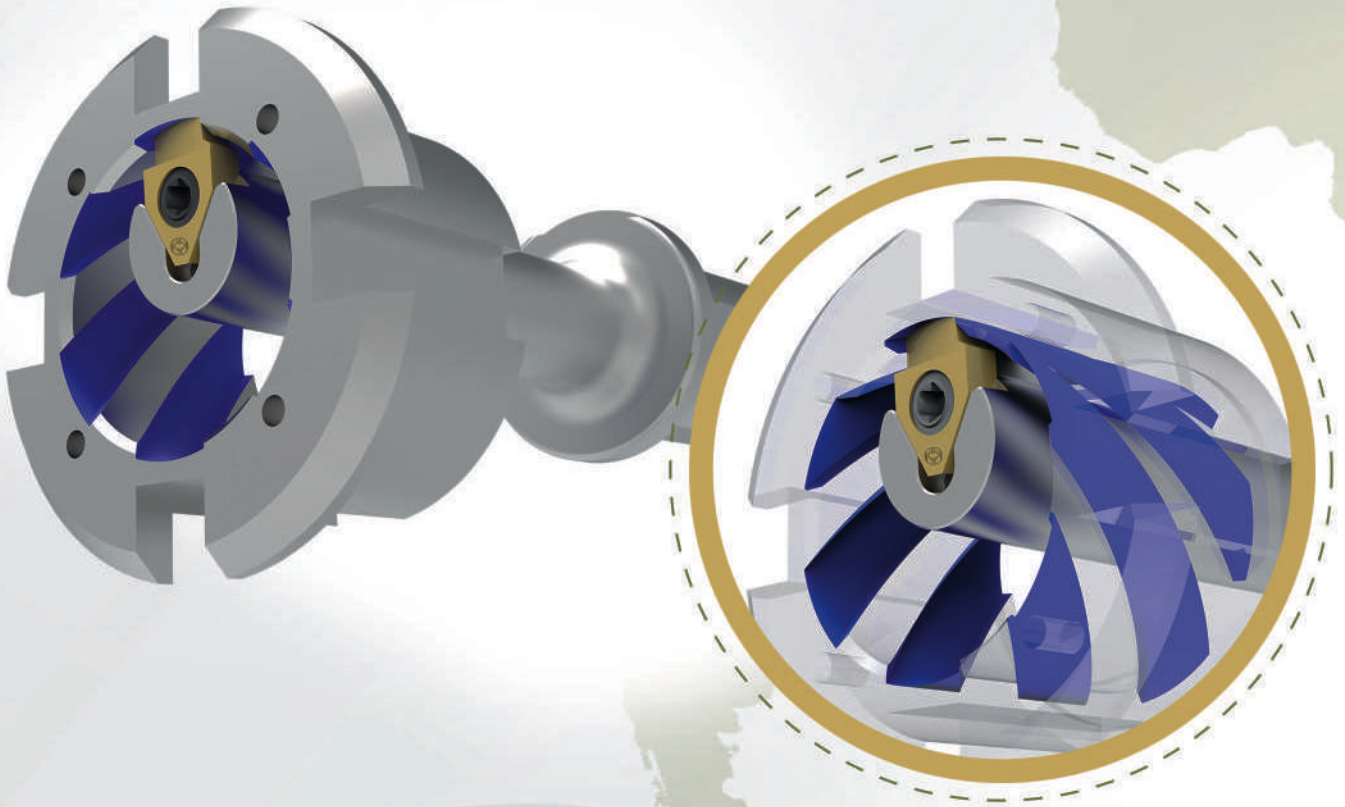


ÖZEL SUPAP ÇÖZÜMLERİ
SPECIAL VALVE SOLUTIONS
SPEZIELLE VENTILLÖSUNGEN





HELİSEL ÖZEL FORM AÇMA ÇÖZÜMLERİ
HELICAL SPECIAL FORMING SOLUTIONS
HELIX SONDERFORMEBEARBEITUNGSLÖSUNGEN

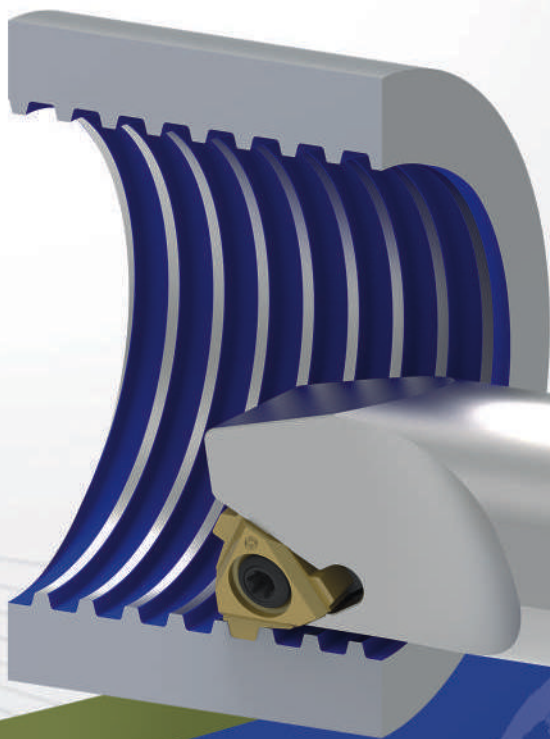
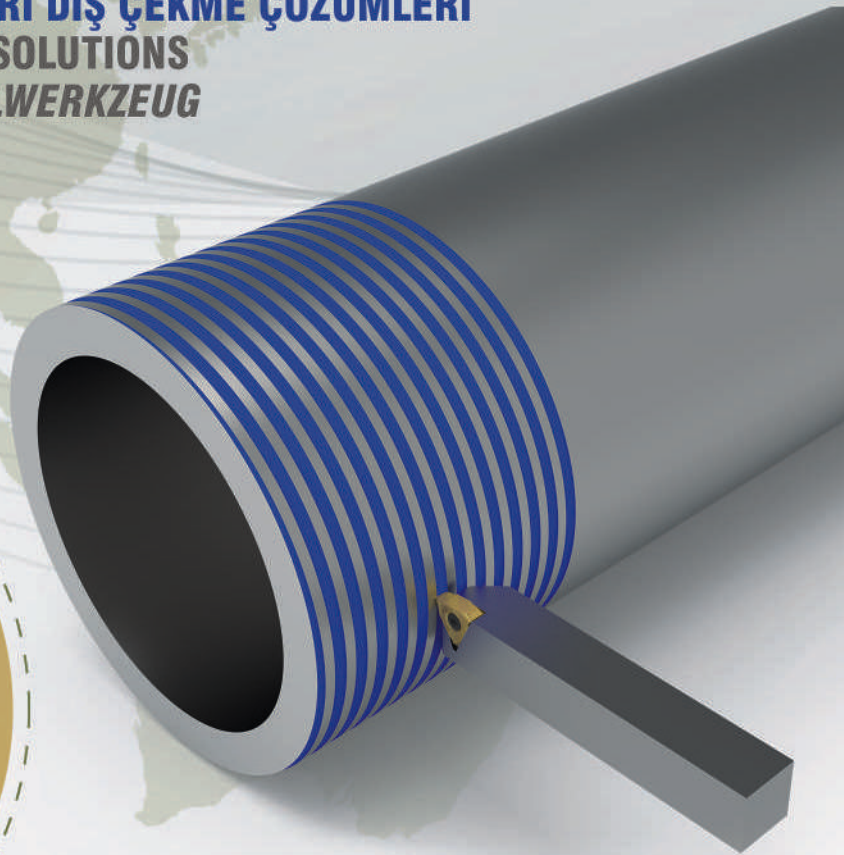


ÖZEL TAKIMLANDIRMA ÇÖZÜMLERİ
SPECIAL MACHINING SOLUTIONS
SONDERLÖSUNGEN FÜR
WERKZEUGHALTER





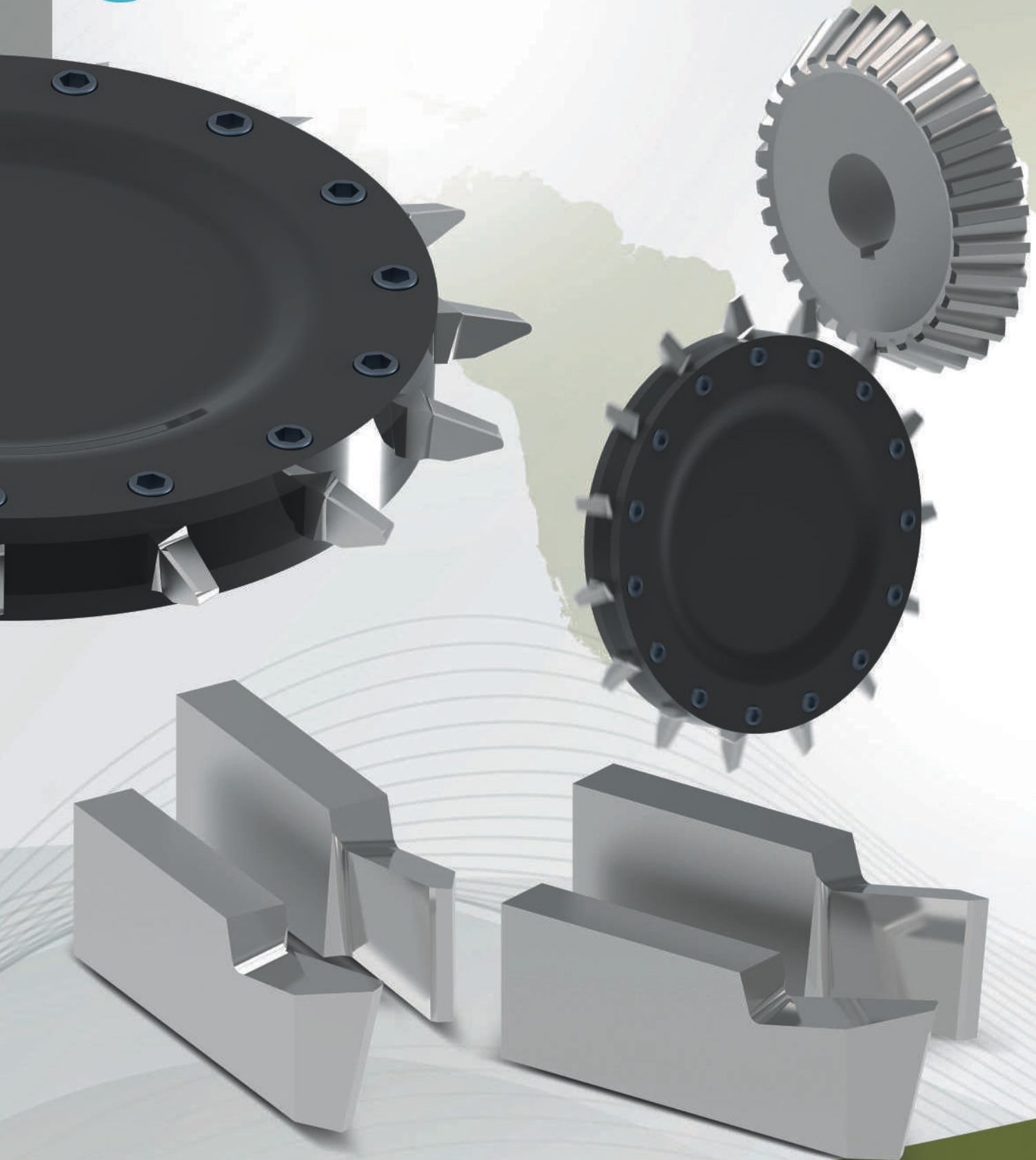
PETROL SONDAJ BORULARI DIŞ ÇEKME ÇÖZÜMLERİ
SPECIAL FORM MILLING SOLUTIONS
LÖSUNGEN MIT EINFÄDELWERKZEUG
FÜR ÖL-GAS ROHREN



ÖZEL FORM DIŞ ÇEKME ÇÖZÜMLERİ
SPECIAL FORM THREADING SOLUTIONS
LÖSUNGEN ZUM GEWINDEDREHEN
VON SONDERFORMEN

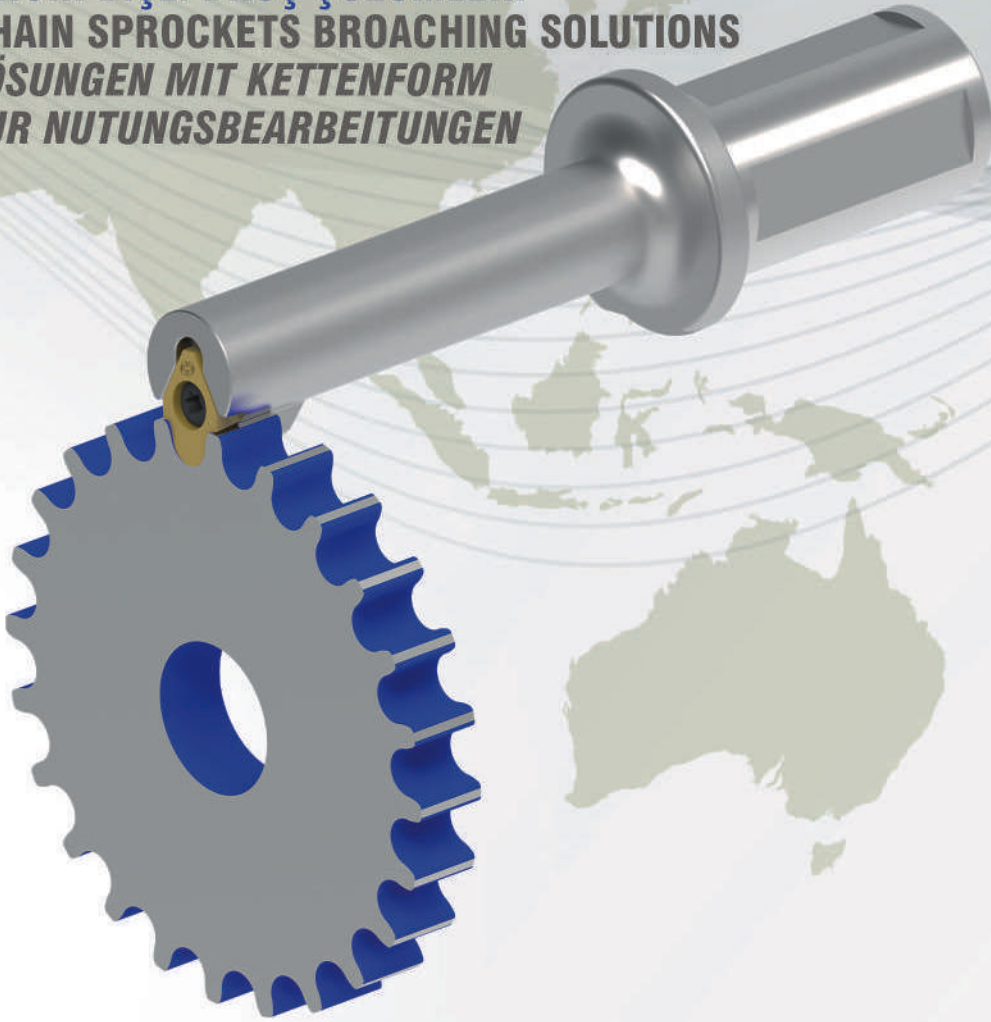


STICK BLADE – KONVOID BLADE KONİK DİŞLİ AÇMA ÇÖZÜMLERİ
STICK BLADE – KONVOID BLADE BEVEL GEAR SOLUTIONS
LÖSUNGEN FÜR STICK BLADE- KONVOID BLADE MIT KEGELRADGETRIEBE

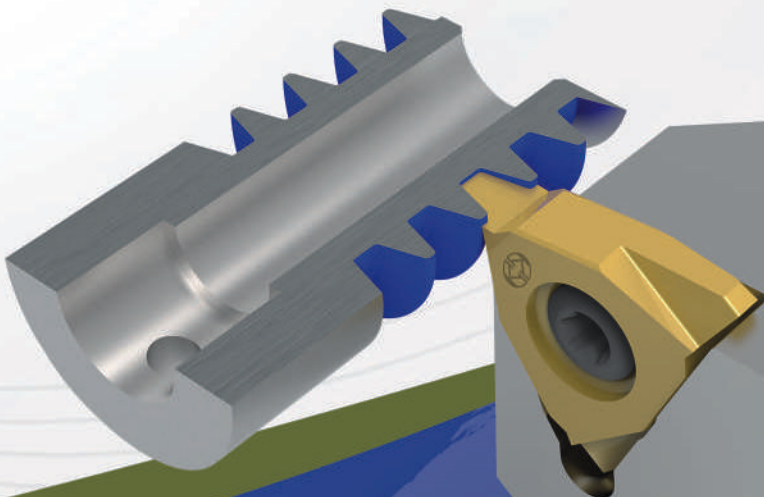




ZİNCİR DİŞLİ BROŞ ÇÖZÜMLERİ
CHAIN SPROCKETS BROACHING SOLUTIONS
LÖSUNGEN MIT KETTENFORM
ZUR NUTUNGSBEARBEITUNGEN

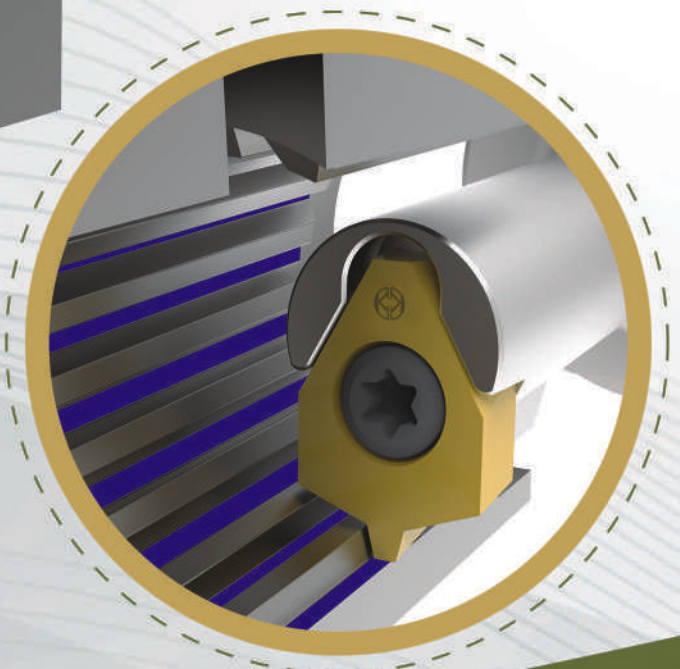
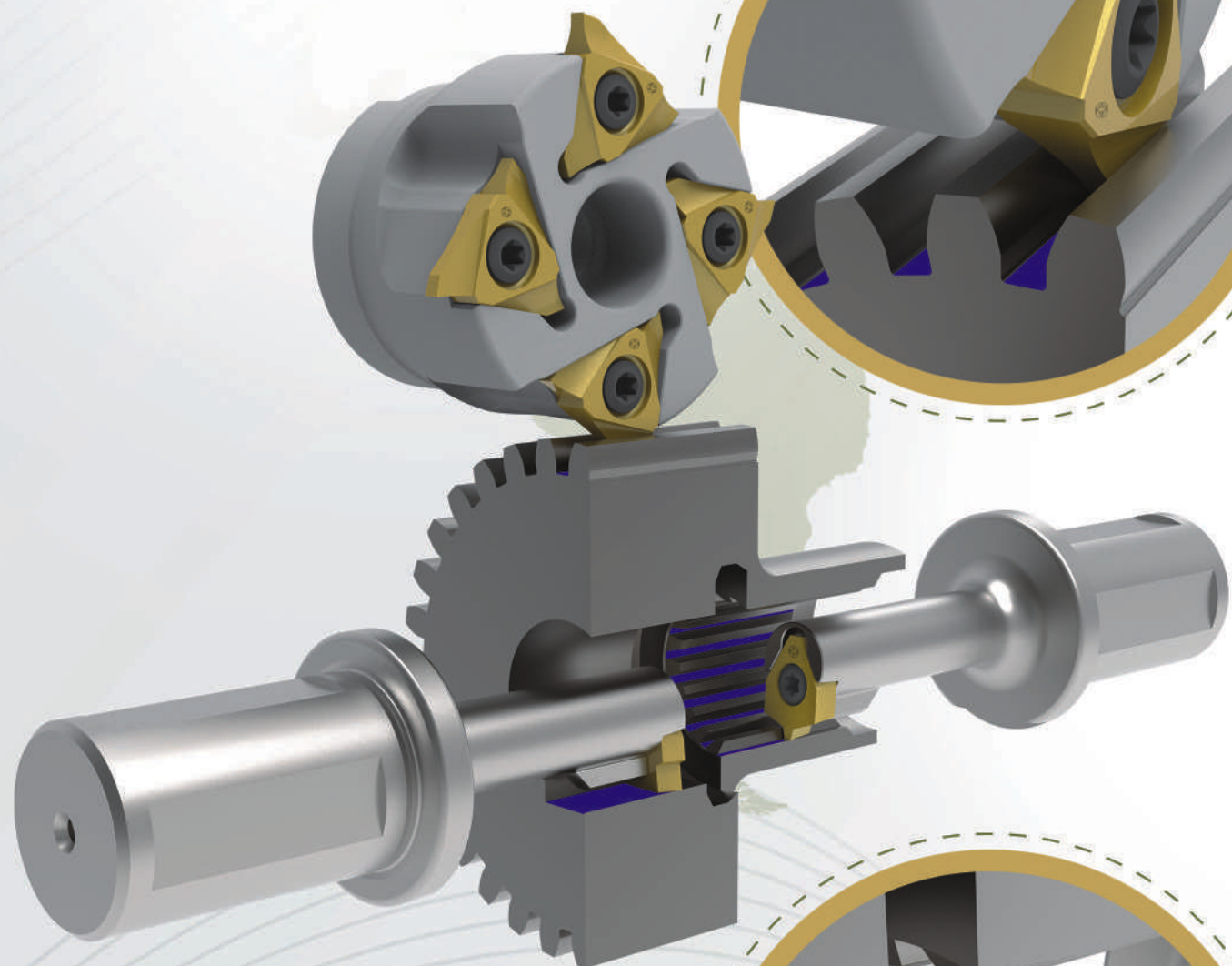


SONSUZ DİŞLİ TORNALAMA ÇÖZÜMLERİ
WORM GEAR TURNING SOLUTIONS
DREHLÖSUNGEN MIT ZAHNSTANGENGETRIEBE



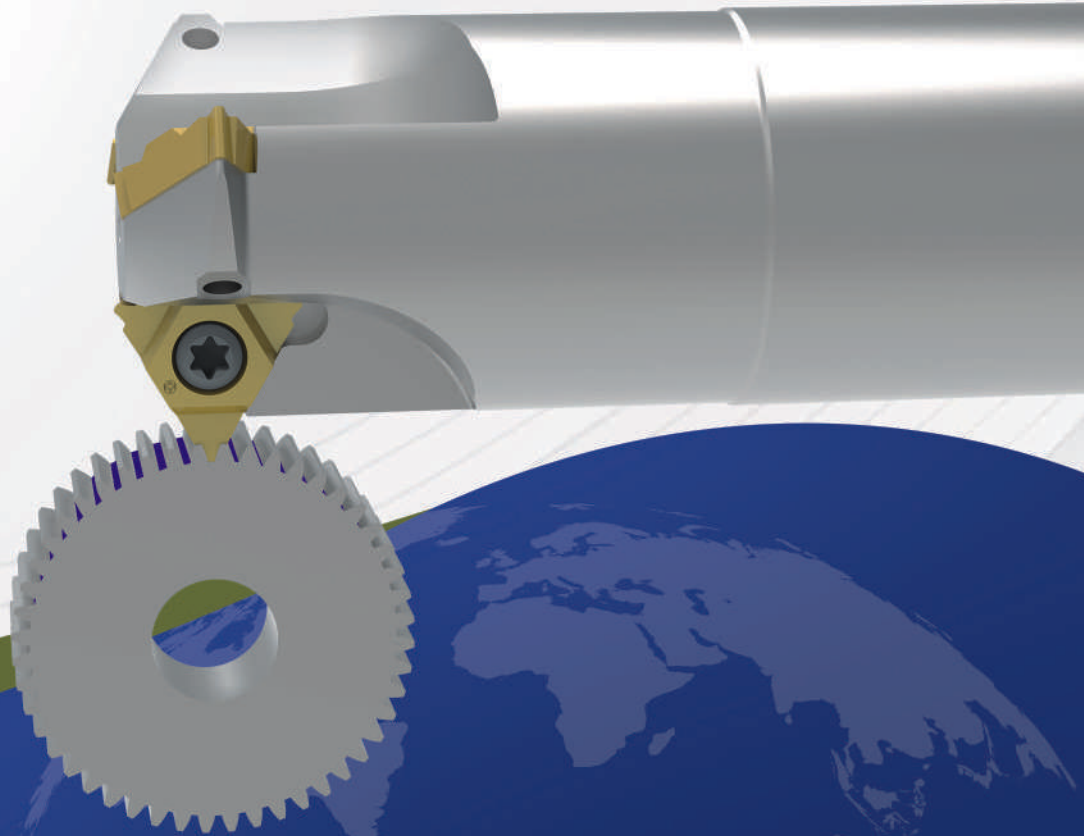
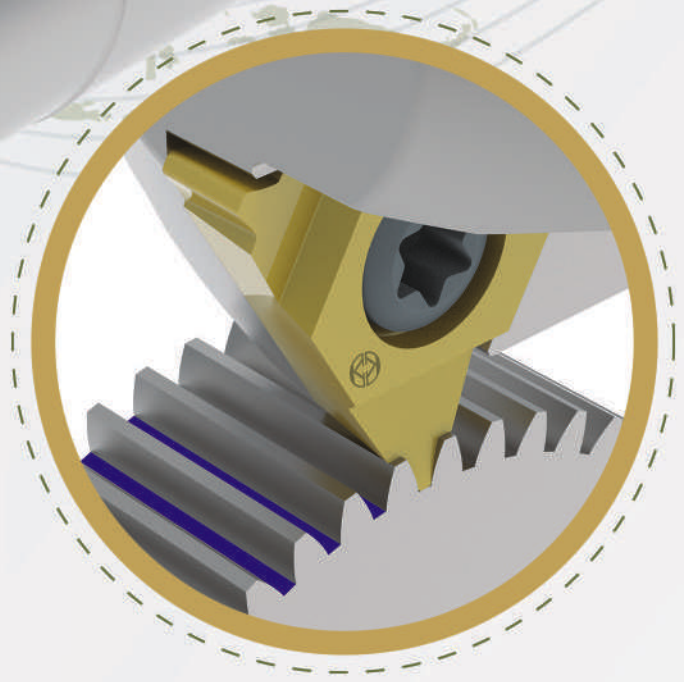
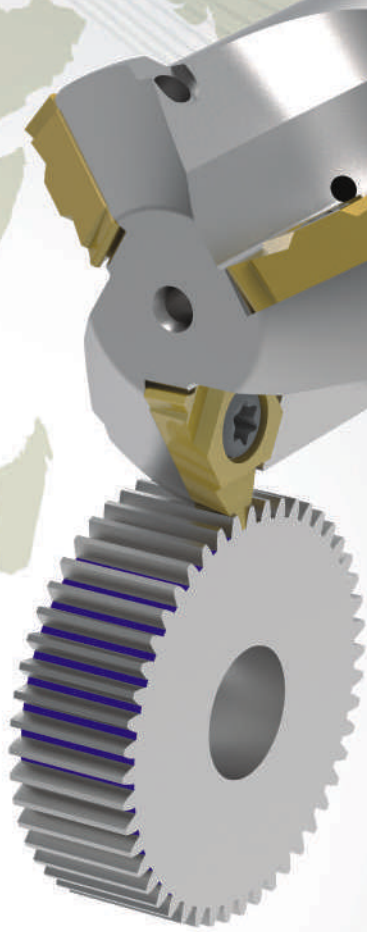


ÖZEL DIŞLI PROFİL BROŞ ÇÖZÜMLERİ
GEAR PROFILE BROACHING SOLUTION
LÖSUNGEN ZUM RÄUMEN VON
ZAHNRADPROFILEN



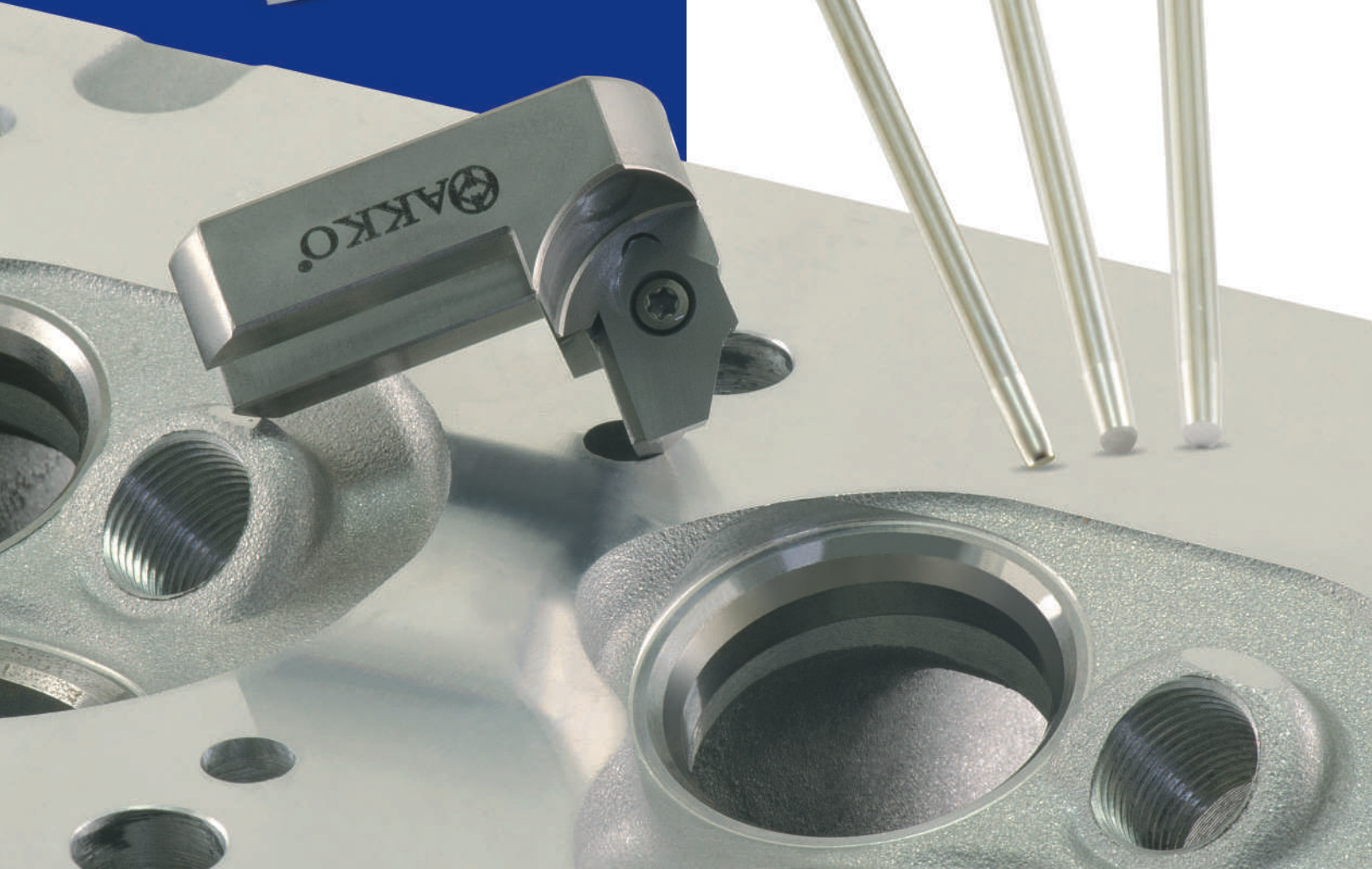
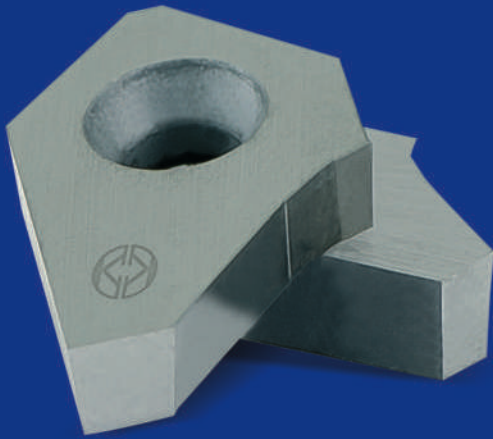


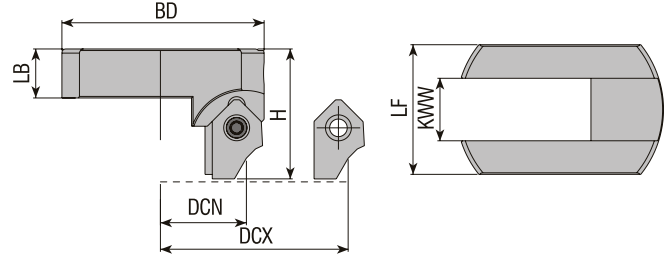
ÖZEL DIŞLI PROFİL BROŞ ÇÖZÜMLERİ
GEAR PROFILE BROACHING SOLUTION
LÖSUNGEN ZUM RÄUMEN VON
ZAHNRADPROFILEN



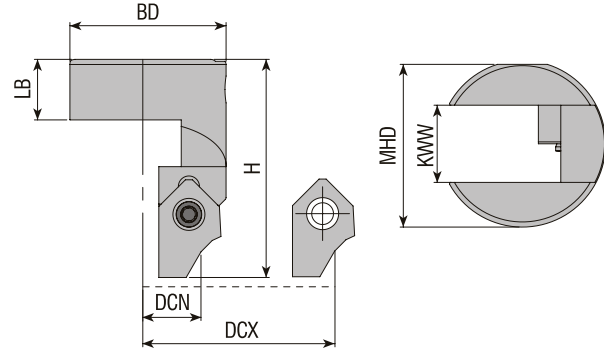
SUPAP

SUPAP YUVASI İŞLEME UÇLARI ve TAKIMLARI
VALVE SEAT INSERTS and TOOLHOLDERS
WENDESCHNEIDPLATTEN UND WERKZEUGE FÜR
VENTILSITZBEARBEITUNG





Takım Kodu Ordering Code Bestell-Bezeichnung	Stok Stock Lager	Takım Ölçüleri (mm) Dimension (mm) Abmessung (mm)						Kesici Uç Insert Wendeschneidplatte	Yedek Parçaları / Spare Parts / Ersatzteile			
		DCN DCX	BD	LB	H	KWW	LF		Sıkma Vidası Screw Schraube	Tork Anahtar Torx Key Torx-Schlüssel	Ayar Vidası Adjustable Einstellschraube	Anahtar Allen Key Innensechskantschlüssel
VST-B11-2842	●	28-42	29	9.5	28.5	12	25.0	B11...	3008-M3x8	80-T08	2725-M5x10	AAL-01-02
VST-B11-4058	●	40-58	39	9.5	25.0	12	25.0					



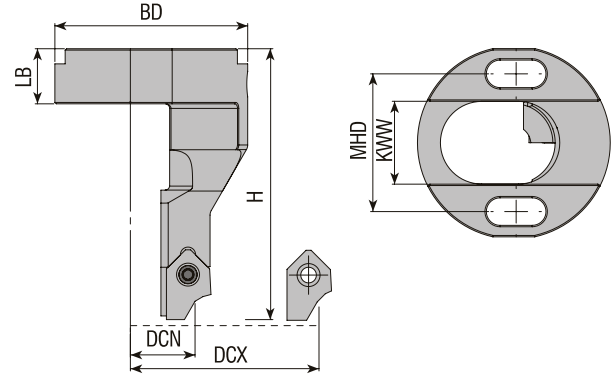
Takım Kodu Ordering Code Bestell-Bezeichnung	Stok Stock Lager	Takım Ölçüleri (mm) Dimension (mm) Abmessung (mm)						Kesici Uç Insert Wendeschneidplatte	Yedek Parçaları / Spare Parts / Ersatzteile			
		DCN DCX	BD	LB	H	KWW	MHD		Sıkma Vidası Screw Schraube	Tork Anahtar Torx Key Torx-Schlüssel	Ayar Vidası Adjustable Einstellschraube	Anahtar Allen Key Innensechskantschlüssel
VST-B11-1830-A	●	18-30	24	9.5	34.0	12	25.3	B11...	3008-M3x8	80-T08	2702-M4x10	AAL-01-02

R: Sağ / Right / Rechts L: Sol / Left / Links

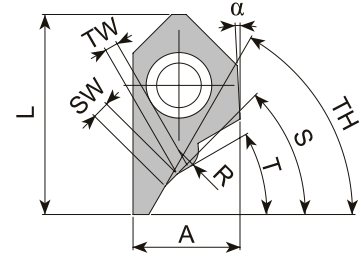
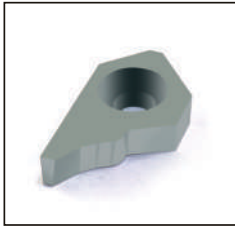
● Stokta / In Stock / Auf Lager ○ Stokta Yok / Non Stock Item / Kein Lagerartikel, Lieferzeit auf Anfrage

Sipariş Örneği/Ordering Example/Bestellbeispiel

1 ad./pcs./stück VST-B11-2842



Takım Kodu Ordering Code Bestell-Bezeichnung	Stok Stock Lager	Takım Ölçüleri (mm) Dimension (mm) Abmessung (mm)						Kesici Uç Insert Wendesck neidplatte	Sıkma Vidası Screw Sch raube	Tork Anahtar Torx Key Torx-Sch lüssel	Ayar Vidası Adjustable Einstellsck raube	Anahtar Allen Key Innenseck skantsck lüssel
		DCN DCX	BD	LB	H	KWW	MHD					
VST-B11-2032-A	●	20-32	42	12	59	18	30	B11...	3008-M3x8	80-T08	2702-M4x10	AAL-01-02
VST-B11-2434-A	●	24-34	26	14	40	11	18.1					
VST-B11-2956-A	●	26-56	49	11.7	43.7	18	40					



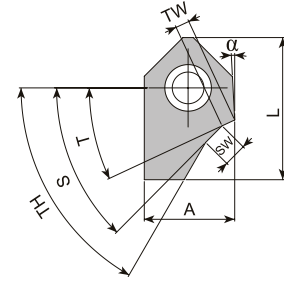
Uç Kodu Insert Code Wendepplatten-Bezeichnung	Stok Stock Lager	Uç Ölçüleri (mm) Insert Dimension (mm) Abmessung (mm)								
		S°	SW	T°	TW	TH°	A	L	α	R
B11013	●	45°	1.3	30°	1	60°	8.15	15.10	3°	1.50

R: Sağ / Right / Rechts L: Sol / Left / Links

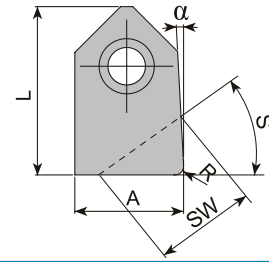
● Stokta / In Stock / Auf Lager ○ Stokta Yok / Non Stock Item / Kein Lagerartikel, Lieferzeit auf Anfrage

Sipariş Örneği/Ordering Example/Bestellbeispiel

1 ad./pcs./stück VST-B11-2032



Uç Kodu Insert Code Wendepalten-Bezeichnung	Stok Stock Lager	Uç Ölçüleri (mm) Insert Dimension (mm) Abmessung (mm)							
		S°	SW	T°	TW	TH°	A	L	α
B11003	●	45°	1.3	25°	1.1	52°	9.7	15.25	3°
B11004	●	45°	1.6	25°	1.3	52°	9.7	15.25	3°
B11005	●	45°	2	25°	1.3	52°	9.7	15.25	3°
B11006	●	45°	2.5	25°	1.5	52°	9.7	15.25	3°
B11007	●	45°	1.5	30°	1.5	60°	9.7	15.25	3°
B11008	●	45°	1.3	25°	1.1	60°	9.7	15.25	3°
B11009	●	45°	1.6	25°	1.3	60°	9.7	15.25	3°
B11010	●	45°	2	25°	1.3	60°	9.7	15.25	3°
B11011	●	30°	2	15°	1.8	60°	9.7	15.25	3°
B11012	●	36°	2	15°	1.6	60°	9.7	15.25	3°
B11014	●	45°	2.5	25°	1.5	60°	9.7	15.25	3°
B11016	●	30°	1.5	15°	1.3	60°	9.7	15.25	3°
B11017	●	30°	2.5	15°	1.8	60°	9.7	15.25	3°
B11018	●	36°	2.5	15°	1.6	60°	9.7	15.25	3°
B11019	●	20°	2.5	10°	2	75°	9.7	15.25	3°
B11020	●	45°	1.3	25°	1.1	52°	7.7	15.25	3°
B11021	●	30°	3	15°	1.8	60°	9.7	15.25	3°
B11022	●	45°	3	30°	1.8	60°	9.7	15.25	3°
B11029	●	40°	2.5	25°	1.5	60°	9.7	15.25	3°
B11030	●	20°	2	10°	1.3	60°	9.7	15.25	3°
B11031	●	45°	1.8	30°	1.3	60°	9.7	15.25	3°
B11032	●	45°	1.5	30°	1	52°	9.7	15.25	3°
B11033	●	45°	2	30°	1.1	52°	9.7	15.25	3°
B11034	●	45°	2.5	30°	1.3	52°	9.7	15.25	3°
B11035	●	30°	1.5	15°	1	45°	9.7	15.25	3°
B11036	●	30°	2	15°	1.1	45°	9.7	15.25	3°
B11037	●	30°	2.5	15°	1.3	45°	9.7	15.25	3°
new B11038	●	25°	2	15°	2	45°	9.7	15.25	3°
new B11039	●	30°	2	15°	1.4	60°	9.7	15.25	3°
new B11040	●	40°	2	15°	2	60°	9.7	15.25	3°
new B11042	●	45°	1	30°	1.2	60°	9.7	15.25	3°
new B11043	●	45°	1	35°	1.6	52°	9.7	15.25	3°
new B11044	●	45°	1.3	30°	1	60°	9.7	15.25	3°
new B11045	●	45°	1.5	30°	1	60°	9.7	15.25	3°
new B11046	●	45°	1.8	30°	1	60°	9.7	15.25	3°
new B11047	●	45°	1.8	30°	1.6	60°	9.7	15.25	3°
new B11048	●	45°	1	25°	1.4	60°	9.7	15.25	3°
new B11049	●	45°	1.50	25°	1.4	60°	9.7	15.25	3°
new B11050	●	45°	2	25°	1.4	60°	9.7	15.25	3°
new B11051	●	45°	3	25°	1.4	60°	9.7	15.25	3°
new B11052	●	30°	1.5	15°	1.4	60°	9.7	15.25	3°
new B11053	●	30°	2.5	15°	1.8	60°	9.7	15.25	3°
new B11054	●	45°	1	15°	1	60°	9.7	15.25	3°
new B11055	●	45°	1.5	30°	1.8	60°	9.7	15.25	3°
new B11056	●	45°	2	30°	1.2	60°	9.7	15.25	3°
new B11058	●	35°	2	15°	1.6	60°	9.7	15.25	3°
new B11061	●	45°	1	25°	1.0	60°	9.7	15.25	3°
new B11062	●	30°	1.3	15°	1.0	52°	9.7	15.25	3°
new B11063	●	38°	2.5	15°	1.60	60°	9.7	15.25	3°
new B11064	●	30°	2	15°	1.40	60°	9.7	15.25	3°
new B11065	●	45°	1	25°	0.8	52°	9.7	15.25	3°
new B11066	●	20°	3	10°	2.0	75°	9.7	15.25	3°
new B11069	●	30°	3	15	1.8	45	9.7	15.25	3°
new B11070	●	45°	1.2	32°	1	60°	8.15	15.10	3°
new B11071	●	45°	1	32°	1	60°	8.15	15.10	3°
new B11074	●	45°	1.5	30°	1.4	60°	9.7	15.25	3°
new B11075	●	45°	2	15°	1	60°	9.7	15.25	3°
new B11076	●	30°	1.90	15°	1	45°	9.7	15.25	3°
new B11077	●	30°	2.5	15°	1.4	60°	9.7	15.25	3°
new B11078	●	45°	1.6	30°	1.4	60°	9.7	15.25	3°



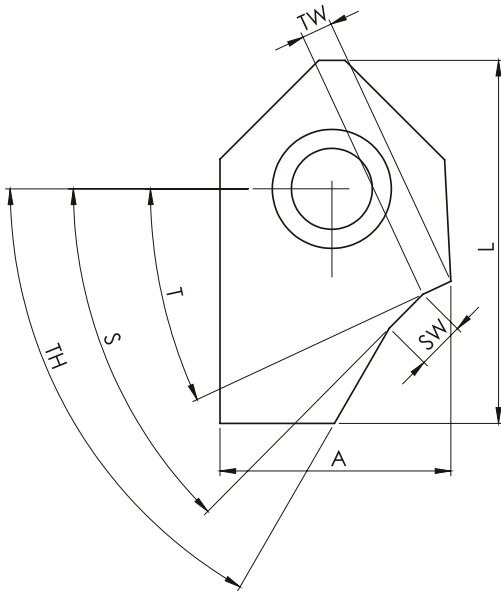
Uç Kodu Insert Code Wendeplatten-Bezeichnung	Stok Stock Lager	Uç Ölçüleri (mm) Insert Dimension (mm) Abmessung (mm)					
		S°	SW	A	L	α	R
B11015	●	0°	9.85	9.85	15.10	3°	0.80
B11023	●	0°	7.7	7.7	15.10	3°	0.80
B11024	●	20°	8.2	9.75	15.10	3°	-
B11025	●	25°	10	9.65	15.10	3°	-
B11026	●	30°	9	9.65	15.10	3°	-
B11027	●	35°	10	9.60	15.10	3°	-
B11028	●	45°	8.9	9.55	15.10	3°	-
B11057	●	0	9.6	9.7	14.8	1°	0.2
B11067	●	0	9.9	9.7	15.1	3°	0.2
new B11073	●	36°	10	9.7	15.10	3°	-
new B11092	●	15°	8.2	9.5	15.10	3°	-
new B11093	●	60°	8.4	9.5	15.10	3°	-

R: Sağ / Right / Rechts L: Sol / Left / Links

● Stokta / In Stock / Auf Lager ○ Stokta Yok / Non Stock Item / Kein Lagerartikel, Lieferzeit auf Anfrage

Sipariş Örneği/Ordering Example/Bestellbeispiel

1 ad./pcs./stück B11015

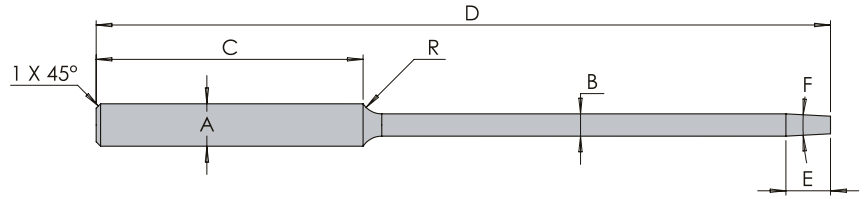


SUPAP UCU BİLGİ ALMA FORMU

INFORMATION REQUEST FORM FOR VALVE SEAT INSERTS

INFORMATIONSFÖRMULAR FÜR VENTILSITZE

TW :	
L :	
SW :	
A :	
T° :	
S° :	
TH° :	
İLETİŞİM İÇİN: CONTACT: KONTAKT:	



Uç Kodu Insert Code Wendepplatten-Bezeichnung	Stok Stock Lager	Uç Ölçüleri (mm) Insert Dimension (mm) Abmessung (mm)						
		Ø B (h7)	C	R	D	Ø A (h6)	E	F
ACPM-0497-165	●	4.97	60	5	165	9.525	10	6°
ACPM-0498-165	●	4.98	60	5	165	9.525	10	6°
ACPM-0499-165	●	4.99	60	5	165	9.525	10	6°
ACPM-0500-165	●	5.00	60	5	165	9.525	10	6°
ACPM-0549-165	●	5.49	60	5	165	9.525	10	6°
ACPM-0550-165	●	5.50	60	5	165	9.525	10	6°
ACPM-0597-165	●	5.97	60	5	165	9.525	10	6°
ACPM-0598-165	●	5.98	60	5	165	9.525	10	6°
ACPM-0599-165	●	5.99	60	5	165	9.525	10	6°
ACPM-0600-165	●	6.00	60	5	165	9.525	10	6°
ACPM-0605-165	●	6.05	60	5	165	9.525	10	6°
ACPM-0606-165	●	6.06	60	5	165	9.525	10	6°
ACPM-0659-165	●	6.59	60	5	165	9.525	10	6°
ACPM-0660-165	●	6.60	60	5	165	9.525	10	6°
ACPM-0697-165	●	6.97	60	5	165	9.525	10	6°
ACPM-0698-165	●	6.98	60	5	165	9.525	10	6°
ACPM-0699-165	●	6.99	60	5	165	9.525	10	6°
ACPM-0700-165	●	7.00	60	5	165	9.525	10	6°
ACPM-0797-165	●	7.97	60	5	165	9.525	10	6°
ACPM-0798-165	●	7.98	60	5	165	9.525	10	6°
ACPM-0799-165	●	7.99	60	5	165	9.525	10	6°
ACPM-0800-165	●	8.00	60	5	165	9.525	10	6°
ACPM-0801-165	●	8.01	60	5	165	9.525	10	6°
ACPM-0802-165	●	8.02	60	5	165	9.525	10	6°
ACPM-0803-165	●	8.03	60	5	165	9.525	10	6°
ACPM-0824-165	●	8.24	60	5	165	9.525	10	6°
ACPM-0825-165	●	8.25	60	5	165	9.525	10	6°
ACPM-0849-165	●	8.49	60	5	165	9.525	10	6°
ACPM-0850-165	●	8.50	60	5	165	9.525	10	6°
ACPM-0897-165	●	8.97	60	5	165	9.525	10	6°
ACPM-0898-165	●	8.98	60	5	165	9.525	10	6°
ACPM-0899-165	●	8.99	60	5	165	9.525	10	6°
ACPM-0900-165	●	9.00	60	5	165	9.525	10	6°

R: Sağ / Right / RechtsL: Sol / Left / Links

● Stokta / In Stock / Auf Lager ○ Stokta Yok / Non Stock Item / Kein Lagerartikel, Lieferzeit auf Anfrage

Sipariş Örneği/Ordering Example/Bestellbeispiel

1 ad./pcs./stück ACPM-0497-165

U-DRILL

TAKMA UÇLU MATKAPLAR

U-DRILL SYSTEM

VOLLBOHRER



AKKO A TUM 16 x D3 S P G T 06 02 04

2 Kesici Stili / Cutter Style / Werkzeugtyp

3 Takım Çapı / Tool Diameter / Werkzeugdurchmesser

4 Delme Derinliği / Drilling Depth / Bohrtiefe

5 Uç Şekli / Insert Form / Plattenform

W **S**

6 Serbest Uç Açısı / Clearance angle of Insert / Freiwinkel der Wendeschneidplatte

C **P**

8 Uç Tipi / Insert Type / Plattentyp

10 Kalınlık / Thickness / Dicke

01	s = 1.59
T1	s = 1.98
02	s = 2.38
T2	s = 2.78
03	s = 3.18
T3	s = 3.97
04	s = 4.76
05	s = 5.56
06	s = 6.35
07	s = 7.94
09	s = 9.52

7 Toleranslar / Tolerance Classes / Toleranzen

	± 0.025	± 0.005	± 0.025
A	± 0.025	± 0.005	± 0.025
C	± 0.025	± 0.013	± 0.025
E	± 0.025	± 0.025	± 0.025
F	± 0.013	± 0.005	± 0.025
G	± 0.025	± 0.025	± 0.130
H	± 0.013	± 0.013	± 0.025
J	± 0.05-0.15	± 0.005	± 0.025
K	± 0.05-0.15	± 0.013	± 0.025
L	± 0.05-0.15	± 0.025	± 0.025
M	± 0.05-0.15	± 0.08-0.20	± 0.130
N	± 0.05-0.15	± 0.08-0.20	± 0.025
U	± 0.08-0.25	± 0.13-0.38	± 0.130

IC : Daire Ölçüsü / Inscribed Circle / Kreisgröße
M : Şekle Göre / Refer to Figure / Siehe Abbildung
S : Kalınlık / Thickness / Dicke

9 Kesme Kenar Uzunluğu / Cutting Edge Length / Schneidkantenlänge

11 Köşe Konfigürasyonu / Corner Radius / Eckenradius

01	r = 0.1
02	r = 0.2
04	r = 0.4
08	r = 0.8
12	r = 1.2
16	r = 1.6
24	r = 2.4



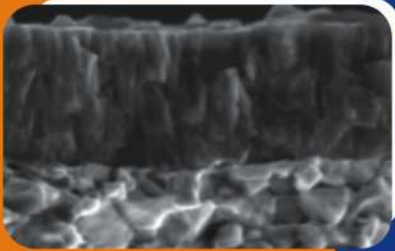
4 Corner / 4 Köşeli
SPMX Series / Serileri
00, 01, 02, 03, 04, 05



ISO 3 Corner / 3 Köşeli
WCMX Series / Serileri
00, 01, 02, 03, 04, 05

Grade Information / Kalite Bilgileri

PVD - TiAIN



Universal grade for General Drilling Application

- Ultra Dense PVD Coating with optimal thermal resistance & strength
- Sub-Micron substrate designed for demanding application

Genel Delme Uygulaması için evrensel kalite

- Optimum termal direnç ve güce sahip Ultra Yoğun PVD Kaplama
- Zorlu uygulama için tasarlanmış alt Mikron tabaka

METRIC		DRILLING	
		Vc (m/min) VG3002	
ISO	SUB GROUP / ALT GRUP	MIN	MAX
P	Non Alloy Steel / Alaşımız Çelik	180	280
	Low Alloy Steel / Düşük Alaşımlı Çelik	150	250
	High Alloy Steel / Yüksek Alaşımlı Çelik	70	140
M	Ferritic & Martensitic / Ferritik Ve Martenzitik	120	200
	Austenitic Stainless Steel / Östenitik Paslanmaz Çelik	130	250
	Grey Cast Iron / Gri Dökme Demir	120	250
	Nodular Cast Iron / Sferö Döküm Demir	130	220
N	Aluminum / Alüminyum	-	-
S	Titanium & Super Alloy / Titanyum Ve Süper Alaşım	25	45
H	Hardened Material / Sertleştirilmiş Malzeme	-	-

P20 – P35

M20 – M40

K20 – K40

S15 – S25



Drilling Chipbreakers / Talaş Kırıcı Formlar



–ST



- Sharp Geometry / Keskin Geometri
- Sticky Material, Stainless Steel
Yapışkan Malzeme, Paslanmaz Çelik

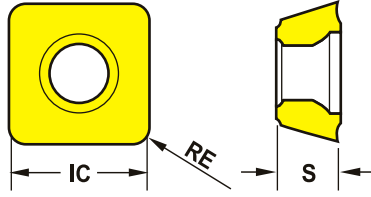
General Inserts
Genel Uçlar



- First Choice for General Application
Genel Uygulama İçin İlk Tercih

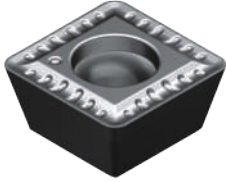
INCH		DRILLING Vc (m/min) VG3002	
ISO	SUB GROUP / ALT GRUP	MIN	MAX
P	Non Alloy Steel / Alaşimsız Çelik	591	919
	Low Alloy Steel / Düşük Alaşımlı Çelik	492	820
	High Alloy Steel / Yüksek Alaşımlı Çelik	230	459
M	Ferritic & Martensitic / Ferritik Ve Martenzitik	394	656
	Austenitic Stainless Steel / Östenitik Paslanmaz Çelik	427	820
K	Grey Cast Iron / Gri Dökme Demir	394	820
	Nodular Cast Iron / Sferö Döküm Demir	427	711
N	Aluminum / Alüminyum	-	-
S	Titanium & Super Alloy / Titanyum Ve Süper Alaşım	82	148
H	Hardened Material / Sertleştirilmiş Malzeme	-	-

Drilling Insert / Delik Delme Ucu (SPMX)



	IC	S
Metric	5	2.38
Inch	0.197	0.094
Metric	6	2.41
Inch	0.236	0.094
Metric	7.94	3.97
Inch	0.313	0.156
Metric	9.8	4.3
Inch	0.386	0.169
Metric	11.5	4.8
Inch	0.453	0.189
Metric	14.3	5.2
Inch	0.563	0.205

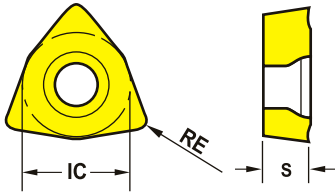
ISO 4 Corner
SPMX Series
00, 01, 02, 03, 04, 05



EDP	DESCRIPTION	AÇIKLAMA	FEED RATE	İLERLEME
T.01.07.02.00	SPMX050204-VG3002		mm/rev.	0.07~0.14
			Inch/rev.	.003~.006
T.01.07.02.01	SPMX060204-VG3002		mm/rev.	0.08~0.14
			Inch/rev.	.003~.006
T.01.07.02.02	SPMX07T308-VG3002		mm/rev.	0.08~0.16
			Inch/rev.	.003~.006
T.01.07.02.03	SPMX090408-VG3002		mm/rev.	0.08~0.16
			Inch/rev.	.003~.006
T.01.07.02.04	SPMX110408-VG3002		mm/rev.	0.10~0.18
			Inch/rev.	.004~.007
T.01.07.02.05	SPMX140512-VG3002		mm/rev.	0.10~0.20
			Inch/rev.	.004~.008

Cutting Speed / Kesme Hızı				Vc (ft/min)	
ISO	VDI	Sub Group / Alt Grup		VG3002	
				Min	Max
P	1~5	Non- Alloyed Steel Alaşimsız Çelik		460	1250
	6~9	Low- Alloyed Steel Düşük Alaşımlı Çelik		390	980
	10~11	High- Alloyed Steel Yüksek Alaşımlı Çelik		230	490
M	12~13	Ferri tc & Marénsi tc / Ferritik Ve Martenzitik		390	660
	14	Austeni tc St ainles s St ee Östenitik Paslanmaz Çelik		430	820
K	15~16	Grey Cast Iron Gri Dökme Demir		390	820
	17~18	Nodular Cas t Iron Şferö Döküm Demir		430	720

Drilling Insert / Delik Delme Ucu (WCMX)



	IC	S
Metric	5.56	2.38
Inch	0.219	0.094
Metric	6.35	2.38
Inch	0.236	0.094
Metric	7.94	3.18
Inch	0.313	0.125
Metric	9.53	3.97
Inch	0.375	0.156
Metric	12.7	4.76
Inch	0.500	0.187



ISO 3 Corner
WCMX Series
01, 02, 03, 04, 05



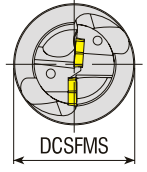
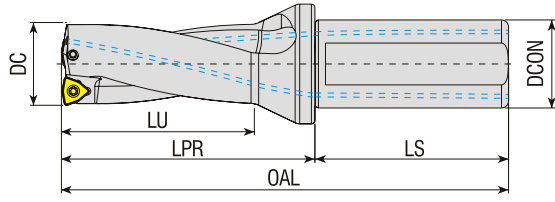
EDP	DESCRIPTION AÇIKLAMA	FEED RATE	İLERLEME
T.01.07.01.01	WCMX030208-VG3002	mm/rev.	0.05~0.12
T.01.07.01.02	WCMX040208-VG3002	Inch/rev.	.002~.005
T.01.07.01.03	WCMX050308-VG3002	mm/rev.	0.05~0.12
T.01.07.01.04	WCMX06T308-VG3002	Inch/rev.	.002~.005
T.01.07.01.05	WCMX080412-VG3002	mm/rev.	0.06~0.14
		Inch/rev.	.002~.006
		mm/rev.	0.08~0.14
		Inch/rev.	.003~.006
		mm/rev.	0.08~0.14
		Inch/rev.	.003~.006

Cutting Speed / Kesme Hızı				Vc (ft/min)	
ISO	VDI	Sub Group / Alt Grup		VG3002	
				Min	Max
P	1~5	Non- Alloyed Steel Alaşimsız Çelik		460	1250
	6~9	Low- Alloyed Steel Düşük Alaşımli Çelik		390	980
	10~11	High- Alloyed Steel Yüksek Alaşımli Çelik		230	490
M	12~13	Ferri tc & Marənsi tc / Ferritik Ve Martenzitik		390	660
	14	Austeni tc St ainles s St ee Östenitik Paslanmaz Çelik		430	820
K	15~16	Grey Cast Iron Gri Dökme Demir		390	820
	17~18	Nodular Cas t Iron Şferö Döküm Demir		430	720



Delme Derinliği
Drilling Depth
Bohr tiefe

= 2x Çap
= 2x Diameter
= 2x Durchmesser



Takım Kodu Ordering Code Bestell-Bezeichnung	Stok Stock Lager	Takım Ölçüleri (mm) Dimension (mm) Abmessung (mm)							Maks. Ofset (radyal) Max. Offset (radial) Max. Versatz (radial)	Kesici Uç Insert Wendeschneidplatte	Yedek Parçaları / Spare Parts / Ersatzteile	
		DC	DCON	DCSFMS	OAL	LU	LPR	LS			Sıkma Vidası Screw Schraube	Tork Anahtar Torx Key Torx-Schlüssel
ATUM 16XD2 WCM. 030208	●	16	25	34	110	32	54	56	1.5	19	WCM. 030208	3008-M2.5x6
ATUM 16.5XD2 WCM. 030208	●	16.5	25	34	110	32	54	56	1.5	19.5		
ATUM 17XD2 WCM. 030208	●	17	25	34	112	34	56	56	1.5	20		
ATUM 17.5XD2 WCM. 030208	●	17.5	25	34	112	34	56	56	1.5	20.5		
ATUM 18XD2 WCM. 030208	●	18	25	34	114	36	58	56	1.4	20.8		
ATUM 18.5XD2 WCM. 030208	●	18.5	25	34	114	36	58	56	1.3	21.1		
ATUM 19XD2 WCM. 030208	●	19	25	34	116	38	60	56	1.2	21.4		
ATUM 19.5XD2 WCM. 030208	●	19.5	25	34	116	38	60	56	1.2	21.9		
ATUM 20XD2 WCM. 040208	●	20	25	34	118	40	62	56	1.5	23	WCM. 040208	3008-M2.5x6
ATUM 20.5XD2 WCM. 040208	●	20.5	25	34	118	40	62	56	1.5	23.5		
ATUM 21XD2 WCM. 040208	●	21	25	34	120	42	64	56	1	23		
ATUM 21.5XD2 WCM. 040208	●	21.5	25	34	120	42	64	56	1	23.5		
ATUM 22XD2 WCM. 040208	●	22	25	34	122	44	66	56	1	24		
ATUM 22.5XD2 WCM. 040208	●	22.5	25	34	122	44	66	56	1	24.5		
ATUM 23XD2 WCM. 040208	●	23	25	34	124	46	68	56	1	25		
ATUM 23.5XD2 WCM. 040208	●	23.5	25	34	124	46	68	56	1	25.5		
ATUM 24XD2 WCM. 050308	●	24	25	34	126	48	70	56	1.4	26.8	WCM. 050308	3008-M3x8
ATUM 24.5XD2 WCM. 050308	●	24.5	25	34	126	48	70	56	1.4	27.3		
ATUM 25XD2 WCM. 050308	●	25	25	34	128	50	72	56	1.45	27.9		
ATUM 25.5XD2 WCM. 050308	●	25.5	25	34	128	50	72	56	1.45	28.4		
ATUM 26XD2 WCM. 050308	●	26	25	34	130	52	74	56	1.45	28.9		
ATUM 26.5XD2 WCM. 050308	●	26.5	25	34	130	52	74	56	1.45	29.4		
ATUM 27XD2 WCM. 050308	●	27	25	34	132	54	76	56	1.45	29.9		
ATUM 27.5XD2 WCM. 050308	●	27.5	25	34	132	54	76	56	1.45	30.4		
ATUM 28XD2 WCM. 050308	●	28	25	34	134	56	78	56	1.6	31.2		
ATUM 28.5XD2 WCM. 050308	●	28.5	25	34	134	56	78	56	1.6	31.7		
ATUM 29XD2 WCM. 050308	●	29	25	34	136	58	80	56	1.65	32.3		
ATUM 29.5XD2 WCM. 050308	●	29.5	25	34	136	58	80	56	1.65	32.8		

R: Sağ / Right / Rechts L: Sol / Left / Links

● Stokta / In Stock / Auf Lager ○ Stokta Yok / Non Stock Item / Kein Lagerartikel, Lieferzeit auf Anfrage

ISO Ucuna Uygun / Compatible with ISO Insert. / Kompatibel mit ISO Wendeplatten.

Sipariş Örneği/Ordering Example/Bestellbeispiel

1 ad./pcs./stück ATUM 16XD2 WCM. 030208

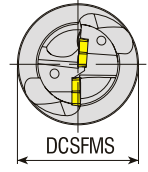
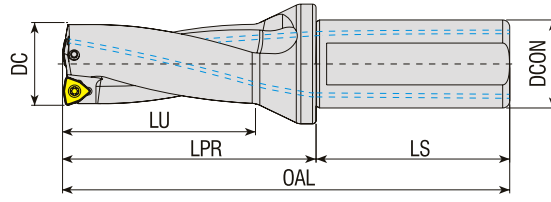
Takma Uçlu Matkap Kullanım Kılavuzu : S 375 / User's Guide For U-Drills : P 375

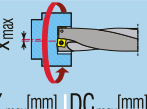
Bedienungsanleitung für Vollbohrer : S 375



Delme Derinliği
Drilling Depth
Bohr tiefe

= 2x Çap
= 2x Diameter
= 2x Durchmesser



Takım Kodu Ordering Code Bestell-Bezeichnung	Stok Stock Lager	Takım Ölçüleri (mm) Dimension (mm) Abmessung (mm)							Maks. Ofset (radyal) Max. Offset (radial) Max. Versatz (radial)		Kesici Uç Insert Wendeschneidplatte	Yedek Parçaları / Spare Parts / Ersatzteile	
												Sıkma Vidası Screw Schraube	Tork Anahtar Torx Key Torx-Schlüssel
		DC	DCON	DCSFMS	OAL	LU	LPR	LS					
								X _{max} [mm]	DC _{max} [mm]				
ATUM 30XD2 WCM. 06T308	●	30	32	44	147	60	87	60	2.4	34.8	WCM. 06T308	3010-M3.5x9	82-T10
ATUM 31XD2 WCM. 06T308	●	31	32	44	149	62	89	60	2.3	35.6			
ATUM 32XD2 WCM. 06T308	●	32	32	44	151	64	91	60	2.1	36.2			
ATUM 33XD2 WCM. 06T308	●	33	32	44	153	66	93	60	1.9	36.8			
ATUM 34XD2 WCM. 06T308	●	34	32	44	155	68	95	60	1.9	37.8			
ATUM 35XD2 WCM. 06T308	●	35	32	44	157	70	97	60	1.9	38.8			
ATUM 36XD2 WCM. 06T308	●	36	32	44	159	72	99	60	2	40			
ATUM 37XD2 WCM. 06T308	●	37	32	44	161	74	101	60	1.8	40.6			
ATUM 38XD2 WCM. 06T308	●	38	32	44	163	76	103	60	1.5	41			
ATUM 39XD2 WCM. 06T308	●	39	32	44	165	78	105	60	1.3	41.6			
ATUM 40XD2 WCM. 06T308	●	40	32	44	167	80	107	60	1	42			
ATUM 41XD2 WCM. 06T308	●	41	32	44	169	82	109	60	0.8	42.6			
ATUM 42XD2 WCM. 06T308	●	42	32	44	171	84	111	60	0.5	43			
ATUM 43XD2 WCM. 06T308	●	43	32	44	173	86	113	60	0.3	43.6			
ATUM 44XD2 WCM. 06T308	●	44	32	44	175	88	115	60	0	44			
ATUM 45XD2 WCM. 080412	●	45	40	54	192	90	122	70	3.3	51.6	WCM. 080412	4015-M4x11	80-T15
ATUM 46XD2 WCM. 080412	●	46	40	54	194	92	124	70	3	52			
ATUM 47XD2 WCM. 080412	●	47	40	54	196	94	126	70	2.8	52.6			
ATUM 48XD2 WCM. 080412	●	48	40	54	198	96	128	70	2.5	53			
ATUM 49XD2 WCM. 080412	●	49	40	54	200	98	130	70	2.2	53.4			
ATUM 50XD2 WCM. 080412	●	50	40	54	202	100	132	70	2	54			
ATUM 51XD2 WCM. 080412	●	51	40	54	204	102	134	70	1.8	54.6			
ATUM 52XD2 WCM. 080412	●	52	40	54	206	104	136	70	1.5	55			
ATUM 53XD2 WCM. 080412	●	53	40	54	208	106	138	70	1.3	55.6			
ATUM 54XD2 WCM. 080412	●	54	40	54	210	108	140	70	1	56			
ATUM 55XD2 WCM. 080412	●	55	40	54	212	110	142	70	0.8	56.6			
ATUM 56XD2 WCM. 080412	●	56	40	64	214	112	144	70	0.5	57			
ATUM 57XD2 WCM. 080412	●	57	40	64	216	114	146	70	0.3	57.6			
ATUM 58XD2 WCM. 080412	●	58	40	64	218	116	148	70	0	58			
ATUM 59XD2 WCM. 080412	●	59	40	64	220	118	150	70	0	59			
ATUM 60XD2 WCM. 080412	●	60	40	64	222	120	152	70	0	60			

R: Sağ / Right / Rechts / L: Sol / Left / Links

● Stokta / In Stock / Auf Lager ○ Stokta Yok / Non Stock Item / Kein Lagerartikel, Lieferzeit auf Anfrage

ISO Ucuna Uygunudur. / Compatible with ISO Insert. / Kompatibel mit ISO Wendepplatten.

Takma Uçlu Matkap Kullanım Kılavuzu : S 375 / User's Guide For U-Drills : P 375 / Bedienungsanleitung für Vollbohrer : S 375

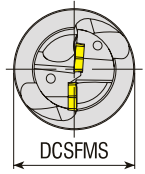
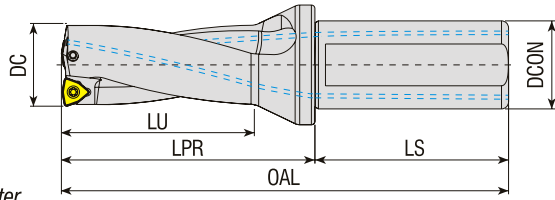
Sipariş Örneği/Ordering Example/Bestellbeispiel

1 ad./pcs./stück ATUM 30XD2 WCM. 06T308



Delme Derinliğı
Drilling Depth
Bohr tiefe

= 3x Çap
= 3x Diameter
= 3x Durchmesser



Takım Kodu Ordering Code Bestell-Bezeichnung	Stok Stock Lager	Takım Ölçüleri (mm) Dimension (mm) Abmessung (mm)							Maks. Ofset (radyal) Max. Ofset (radial) Max. Versatz (radial)		Kesici Uç Insert Wendeschneidplatte	Yedek Parçaları / Spare Parts / Ersatzteile	
		DC	DCON	DCSFMS	OAL	LU	LPR	LS	X _{max}	DC _{max}		Sıkma Vidası Screw Schraube	Tork Anahtar Torx Key Torx-Schlüssel
									X _{max} X _{max} [mm]	DC _{max} DC _{max} [mm]			
ATUM 16XD3 WCM. 030208	●	16	25	34	126	48	70	56	1.5	19	WCM. 030208	3008-M2.5x6	82-T08
ATUM 16.5XD3 WCM. 030208	●	16.5	25	34	126	48	70	56	1.5	19.5			
ATUM 17XD3 WCM. 030208	●	17	25	34	129	51	73	56	1.5	20			
ATUM 17.5XD3 WCM. 030208	●	17.5	25	34	129	51	73	56	1.5	20.5			
ATUM 18XD3 WCM. 030208	●	18	25	34	132	54	76	56	1.4	20.8			
ATUM 18.5XD3 WCM. 030208	●	18.5	25	34	132	54	76	56	1.3	21.1			
ATUM 19XD3 WCM. 030208	●	19	25	34	135	57	79	56	1.2	21.4			
ATUM 19.5XD3 WCM. 030208	●	19.5	25	34	135	57	79	56	1.2	21.9			
ATUM 20XD3 WCM. 040208	●	20	25	34	138	60	82	56	1.5	23	WCM. 040208	3008-M2.5x6	82-T08
ATUM 20.5XD3 WCM. 040208	●	20.5	25	34	138	60	82	56	1.5	23.5			
ATUM 21XD3 WCM. 040208	●	21	25	34	141	63	85	56	1	23			
ATUM 21.5XD3 WCM. 040208	●	21.5	25	34	141	63	85	56	1	23.5			
ATUM 22XD3 WCM. 040208	●	22	25	34	144	66	88	56	1	24			
ATUM 22.5XD3 WCM. 040208	●	22.5	25	34	144	66	88	56	1	24.5			
ATUM 23XD3 WCM. 040208	●	23	25	34	147	69	91	56	1	25			
ATUM 23.5XD3 WCM. 040208	●	23.5	25	34	147	69	91	56	1	25.5			
ATUM 24XD3 WCM. 050308	●	24	25	34	150	72	94	56	1.4	26.8	WCM. 050308	3008-M3x8	82-T10
ATUM 24.5XD3 WCM. 050308	●	24.5	25	34	150	72	94	56	1.4	27.3			
ATUM 25XD3 WCM. 050308	●	25	25	34	153	75	97	56	1.45	27.9			
ATUM 25.5XD3 WCM. 050308	●	25.5	25	34	153	75	97	56	1.45	28.4			
ATUM 26XD3 WCM. 050308	●	26	25	34	156	78	100	56	1.45	28.9			
ATUM 26.5XD3 WCM. 050308	●	26.5	25	34	156	78	100	56	1.45	29.4			
ATUM 27XD3 WCM. 050308	●	27	25	34	159	81	103	56	1.45	29.9			
ATUM 27.5XD3 WCM. 050308	●	27.5	25	34	159	81	103	56	1.45	30.4			
ATUM 28XD3 WCM. 050308	●	28	25	34	162	84	106	56	1.6	31.2	WCM. 06T308	3010-M3.5x9	82-T10
ATUM 28.5XD3 WCM. 050308	●	28.5	25	34	162	84	106	56	1.6	31.7			
ATUM 29XD3 WCM. 050308	●	29	25	34	165	87	109	56	1.65	32.3			
ATUM 29.5XD3 WCM. 050308	●	29.5	25	34	165	87	109	56	1.65	32.8			
ATUM 30XD3 WCM. 06T308	●	30	32	44	177	90	117	60	2.4	34.8			
ATUM 30.5XD3 WCM. 06T308	●	30.5	32	44	177	90	117	60	2.4	35.3			
ATUM 31XD3 WCM. 06T308	●	31	32	44	180	93	120	60	2.3	35.6			
ATUM 31.5XD3 WCM. 06T308	●	31.5	32	44	180	93	120	60	2.3	36.1			
ATUM 32XD3 WCM. 06T308	●	32	32	44	183	96	123	60	2.1	36.2			
ATUM 32.5XD3 WCM. 06T308	●	32.5	32	44	183	96	123	60	2.1	36.7			
ATUM 33XD3 WCM. 06T308	●	33	32	44	186	99	126	60	1.9	36.8			
ATUM 33.5XD3 WCM. 06T308	●	33.5	32	44	186	99	126	60	1.9	37.3			
ATUM 34XD3 WCM. 06T308	●	34	32	44	189	102	129	60	1.9	37.8			
ATUM 34.5XD3 WCM. 06T308	●	34.5	32	44	189	102	129	60	1.9	38.3			

R: Sağ / Right / Rechts / L: Sol / Left / Links

● Stokta / In Stock / Auf Lager ○ Stokta Yok / Non Stock Item / Kein Lagerartikel, Lieferzeit auf Anfrage
ISO Uçuna Uygunudur. / Compatible with ISO Insert. / Kompatibel mit ISO Wendepatienten.

Sipariş Örneği/Ordering Example/Bestellbeispiel

1 ad./pcs./stück ATUM 16XD3 WCM. 030208

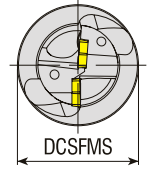
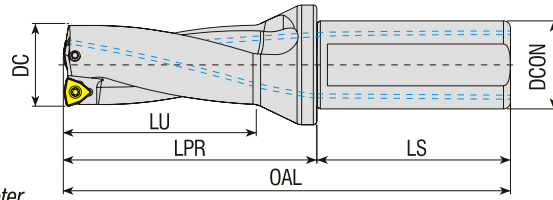
Takma Uçlu Matkap Kullanım Kılavuzu : S 375 / User's Guide For U-Drills : P 375

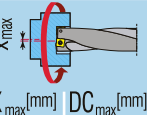
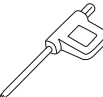
Bedienungsanleitung für Vollbohrer : S 375



Delme Derinliği
Drilling Depth
Bohrtiefe

= 3x Çap
= 3x Diameter
= 3x Durchmesser



Takım Kodu Ordering Code Bestell-Bezeichnung	Stok Stock Lager	Takım Ölçüleri (mm) Dimension (mm) Abmessung (mm)							Maks. Ofset (radyal) Max. Offset (radial) Max. Versatz (radial)		Kesici Uç Insert Wendeschnidplatte	Yedek Parçaları / Spare Parts / Ersatzteile	
												Sıkma Vidası Screw Schraube	Tork Anahtar Torx Key Torx-Schlüssel
		DC	DCON	DCSFMS	OAL	LU	LPR	LS					
ATUM 35XD3 WCM. 06T308	●	35	32	44	192	105	132	60	1.9	38.8	WCM. 06T308	3010-M3.5x9	82-T10
ATUM 35.5XD3 WCM. 06T308	●	35.5	32	44	192	105	132	60	1.9	39.3			
ATUM 36XD3 WCM. 06T308	●	36	32	44	195	108	135	60	2	40			
ATUM 36.5XD3 WCM. 06T308	●	36.5	32	44	195	108	135	60	2	40.5			
ATUM 37XD3 WCM. 06T308	●	37	32	44	198	111	138	60	1.8	40.6			
ATUM 37.5XD3 WCM. 06T308	●	37.5	32	44	198	111	138	60	1.8	41.1			
ATUM 38XD3 WCM. 06T308	●	38	32	44	201	114	141	60	1.5	41			
ATUM 38.5XD3 WCM. 06T308	●	38.5	32	44	201	114	141	60	1.5	41.5			
ATUM 39XD3 WCM. 06T308	●	39	32	44	204	117	144	60	1.3	41.6			
ATUM 39.5XD3 WCM. 06T308	●	39.5	32	44	204	117	144	60	1.3	42.1			
ATUM 40XD3 WCM. 06T308	●	40	32	44	207	120	147	60	1	42			
ATUM 40.5XD3 WCM. 06T308	●	40.5	32	44	207	120	147	60	1	42.5			
ATUM 41XD3 WCM. 06T308	●	41	32	44	210	123	150	60	0.8	42.6			
ATUM 41.5XD3 WCM. 06T308	●	41.5	32	44	210	123	150	60	0.8	43.1			
ATUM 42XD3 WCM. 06T308	●	42	32	44	213	126	153	60	0.5	43			
ATUM 42.5XD3 WCM. 06T308	●	42.5	32	44	213	126	153	60	0.5	43.5			
ATUM 43XD3 WCM. 06T308	●	43	32	44	216	129	156	60	0.3	43.6			
ATUM 43.5XD3 WCM. 06T308	●	43.5	32	44	216	129	156	60	0.3	44.1			
ATUM 44XD3 WCM. 06T308	●	44	32	44	219	132	159	60	0	44			
ATUM 44.5XD3 WCM. 06T308	●	44.5	32	44	219	132	159	60	0	44.5			
ATUM 45XD3 WCM. 080412	●	45	40	54	237	135	167	70	3.3	51.6	WCM. 080412	4015-M4x11	80-T15
ATUM 45.5XD3 WCM. 080412	●	45.5	40	54	237	135	167	70	3.3	52.1			
ATUM 46XD3 WCM. 080412	●	46	40	54	240	138	170	70	3	52			
ATUM 47XD3 WCM. 080412	●	47	40	54	243	141	173	70	2.8	52.6			
ATUM 48XD3 WCM. 080412	●	48	40	54	246	144	176	70	2.5	53			
ATUM 49XD3 WCM. 080412	●	49	40	54	249	147	179	70	2.2	53.4			
ATUM 50XD3 WCM. 080412	●	50	40	54	252	150	182	70	2	54			
ATUM 51XD3 WCM. 080412	●	51	40	54	255	153	185	70	1.8	54.6			
ATUM 52XD3 WCM. 080412	●	52	40	54	258	156	188	70	1.5	55			
ATUM 53XD3 WCM. 080412	●	53	40	54	261	159	191	70	1.3	55.6			
ATUM 54XD3 WCM. 080412	●	54	40	54	264	162	194	70	1	56			
ATUM 55XD3 WCM. 080412	●	55	40	54	267	165	197	70	0.8	56.6			
ATUM 56XD3 WCM. 080412	●	56	40	64	270	168	200	70	0.5	57			
ATUM 57XD3 WCM. 080412	●	57	40	64	273	171	203	70	0.3	57.6			
ATUM 58XD3 WCM. 080412	●	58	40	64	276	174	206	70	0	58			
ATUM 59XD3 WCM. 080412	●	59	40	64	279	177	209	70	0	59			
ATUM 60XD3 WCM. 080412	●	60	40	64	282	180	212	70	0	60			

R: Sağ / Right / Rechts / L: Sol / Left / Links

● Stokta / In Stock / Auf Lager ○ Stokta Yok / Non Stock Item / Kein Lagerartikel, Lieferzeit auf Anfrage
ISO Uçuna Uygundur. / Compatible with ISO Insert. / Kompatibel mit ISO Wendeleplatten.

Sipariş Örneği/Ordering Example/Bestellbeispiel

1 ad./pcs./stück ATUM 35XD3 WCM. 06T308

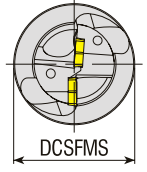
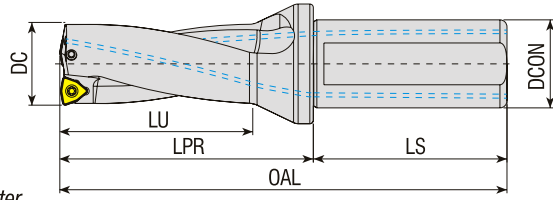
Takma Uçlu Matkap Kullanım Kılavuzu : S 375 / User's Guide For U-Drills : P 375

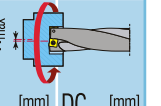
Bedienungsanleitung für Vollbohrer : S 375



Delme Derinliği
Drilling Depth
Bohrtiefe

= 4x Çap
= 4x Diameter
= 4x Durchmesser



Takım Kodu Ordering Code Bestell-Bezeichnung	Stok Stock Lager	Takım Ölçüleri (mm) Dimension (mm) Abmessung (mm)							Maks. Ofset (radial) Max. Offset (radial) Max. Versatz (radial)		Kesici Uç Insert Wendeschneldplatte	Yedek Parçaları / Spare Parts / Ersatzteile	
												Sıkma Vidası Screw Schraube	Tork Anahtar Torx Key Torx-Schlüssel
		DC	DCON	DCSFMS	OAL	LU	LPR	LS					
ATUM 16XD4 WCM. 030208	●	16	25	34	142	64	86	56	1.5	19	WCM. 030208		
ATUM 16.5XD4 WCM. 030208	○	16.5	25	34	142	64	86	56	1.5	19.5			
ATUM 17XD4 WCM. 030208	●	17	25	34	146	68	90	56	1.5	20			
ATUM 17.5XD4 WCM. 030208	●	17.5	25	34	146	68	90	56	1.5	20.5			
ATUM 18XD4 WCM. 030208	●	18	25	34	150	72	94	56	1.4	20.8			
ATUM 18.5XD4 WCM. 030208	○	18.5	25	34	150	72	94	56	1.3	21.1			
ATUM 19XD4 WCM. 030208	●	19	25	34	154	76	98	56	1.2	21.4			
ATUM 19.5XD4 WCM. 030208	○	19.5	25	34	154	76	98	56	1.2	21.9			
ATUM 20XD4 WCM. 040208	●	20	25	34	158	80	102	56	1.5	23	WCM. 040208	3008-M2.5x6	82-T08
ATUM 20.5XD4 WCM. 040208	○	20.5	25	34	158	80	102	56	1.5	23.5			
ATUM 21XD4 WCM. 040208	●	21	25	34	162	84	106	56	1	23			
ATUM 21.5XD4 WCM. 040208	○	21.5	25	34	162	84	106	56	1	23.5			
ATUM 22XD4 WCM. 040208	●	22	25	34	166	88	110	56	1	24			
ATUM 22.5XD4 WCM. 040208	●	22.5	25	34	166	88	110	56	1	24.5			
ATUM 23XD4 WCM. 040208	●	23	25	34	170	92	114	56	1	25			
ATUM 23.5XD4 WCM. 040208	○	23.5	25	34	170	92	114	56	1	25.5			
ATUM 24XD4 WCM. 050308	●	24	25	34	174	96	118	56	1.4	26.8	WCM. 050308	3008-M3x8	
ATUM 24.5XD4 WCM. 050308	○	24.5	25	34	174	96	118	56	1.4	27.3			
ATUM 25XD4 WCM. 050308	●	25	25	34	178	100	122	56	1.45	27.9			
ATUM 25.5XD4 WCM. 050308	○	25.5	25	34	178	100	122	56	1.45	28.4			
ATUM 26XD4 WCM. 050308	●	26	25	34	182	104	126	56	1.45	28.9			
ATUM 26.5XD4 WCM. 050308	●	26.5	25	34	182	104	126	56	1.45	29.4			
ATUM 27XD4 WCM. 050308	●	27	25	34	186	108	130	56	1.45	29.9			
ATUM 27.5XD4 WCM. 050308	○	27.5	25	34	186	108	130	56	1.45	30.4			
ATUM 28XD4 WCM. 050308	●	28	25	34	190	112	134	56	1.6	31.2			
ATUM 28.5XD4 WCM. 050308	●	28.5	25	34	190	112	134	56	1.6	31.7			
ATUM 29XD4 WCM. 050308	●	29	25	34	194	116	138	56	1.65	32.3			
ATUM 29.5XD4 WCM. 050308	○	29.5	25	34	194	116	138	56	1.65	32.8			

R: Sağ / Right / Rechts L: Sol / Left / Links

● Stokta / In Stock / Auf Lager ○ Stokta Yok / Non Stock Item / Kein Lagerartikel, Lieferzeit auf Anfrage
ISO Ucuna Uygun / Compatible with ISO Insert. / Kompatibel mit ISO Wendepalten.

Sipariş Örneği/Ordering Example/Bestellbeispiel

1 ad./pcs./stück ATUM 16XD4 WCM. 030208

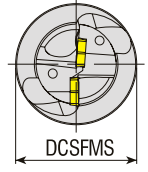
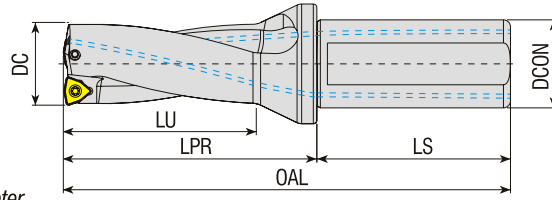
Takma Uçlu Matkap Kullanım Kılavuzu : S 375 / User's Guide For U-Drills : P 375

Bedienungsanleitung für Vollbohrer : S 375



Delme Derinliđi
Drilling Depth
Bohr tiefe

= 4x Çap
= 4x Diameter
= 4x Durchmesser



Takım Kodu Ordering Code Bestell-Bezeichnung	Stok Stock Lager	Takım Ölçüleri (mm) Dimension (mm) Abmessung (mm)							Maks. Ofset (radial) Max. Offset (radial) Max. Versatz (radial)		Kesici Uç Insert Wendeschneidplatte	Yedek Parçaları / Spare Parts / Ersatzteile	
		DC	DCON	DCSFMS	OAL	LU	LPR	LS	X _{max} X _{max} [mm]	DC _{max} DC _{max} [mm]		Sıkma Vidası Screw Schraube	Tork Anahtar Torx Key Torx-Schlüssel
ATUM 30XD4 WCM. 06T308	●	30	32	44	207	120	147	60	2.4	34.8	WCM. 06T308	3010-M3.5x9	82-T10
ATUM 31XD4 WCM. 06T308	●	31	32	44	211	124	151	60	2.3	35.6			
ATUM 32XD4 WCM. 06T308	●	32	32	44	215	128	155	60	2.1	36.2			
ATUM 33XD4 WCM. 06T308	●	33	32	44	219	132	159	60	1.9	36.8			
ATUM 33.5XD4 WCM. 06T308	●	33.5	32	44	219	132	159	60	1.9	37.3			
ATUM 34XD4 WCM. 06T308	●	34	32	44	223	136	163	60	1.9	37.8			
ATUM 35XD4 WCM. 06T308	●	35	32	44	227	140	167	60	1.9	38.8			
ATUM 36XD4 WCM. 06T308	●	36	32	44	231	144	171	60	2	40			
ATUM 37XD4 WCM. 06T308	●	37	32	44	235	148	175	60	1.8	40.6			
ATUM 38XD4 WCM. 06T308	●	38	32	44	239	152	179	60	1.5	41			
ATUM 38.5XD4 WCM. 06T308	●	38.5	32	44	239	152	179	60	1.5	41.5			
ATUM 39XD4 WCM. 06T308	●	39	32	44	243	156	183	60	1.3	41.6			
ATUM 40XD4 WCM. 06T308	●	40	32	44	247	160	187	60	1	42			
ATUM 41XD4 WCM. 06T308	●	41	32	44	251	164	191	60	0.8	42.6			
ATUM 42XD4 WCM. 06T308	●	42	32	44	255	168	195	60	0.5	43			
ATUM 43XD4 WCM. 06T308	●	43	32	44	259	172	199	60	0.3	43.6			
ATUM 44XD4 WCM. 06T308	●	44	32	44	263	176	203	60	0	44			
ATUM 45XD4 WCM. 080412	●	45	40	54	282	180	212	70	3.3	51.6	WCM. 080412	4015-M4x11	80-T15
ATUM 46XD4 WCM. 080412	●	46	40	54	286	184	216	70	3	52			
ATUM 47XD4 WCM. 080412	●	47	40	54	290	188	220	70	2.8	52.6			
ATUM 48XD4 WCM. 080412	●	48	40	54	294	192	224	70	2.5	53			
ATUM 49XD4 WCM. 080412	●	49	40	54	298	196	228	70	2.2	53.4			
ATUM 50XD4 WCM. 080412	●	50	40	54	302	200	232	70	2	54			

R: Sağ / Right / Rechts / L: Sol / Left / Links

● Stokta / In Stock / Auf Lager ○ Stokta Yok / Non Stock Item / Kein Lagerartikel, Lieferzeit auf Anfrage
ISO Ucuna Uygunudur. / Compatible with ISO Insert. / Kompatibel mit ISO Wendeplatten.

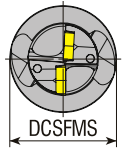
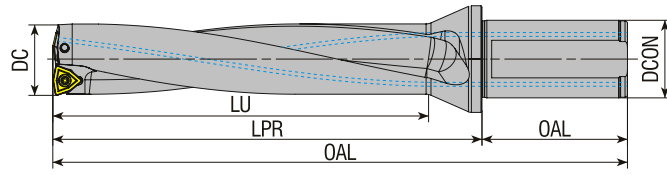
Sipariş Örneği/Ordering Example/Bestellbeispiel

1 ad./pcs./stück ATUM 30XD4 WCM. 06T308

Takma Uçlu Matkap Kullanım Kılavuzu : S 375 / User's Guide For U-Drills : P 375

Bedienungsanleitung für Vollbohrer : S 375





Delme Derinliđi
Drilling Depth
Bohr tiefe
= 5x Çap
= 5x Diameter
= 5x Durchmesser

Takım Kodu Ordering Code Bestell-Bezeichnung	Stok Stock Lager								Maks. Ofset (radyal) Max. Offset (radial) Max. Versatz (radial)				
ATUM 20XD5 WCM. 040208	●	20	25	34	178	100	122	56			WCM. 040208	3008-M2.5x6	82-T08
ATUM 21XD5 WCM. 040208	●	21	25	34	183	105	127	56					
ATUM 22XD5 WCM. 040208	●	22	25	34	188	110	132	56					
ATUM 23XD5 WCM. 040208	●	23	25	34	193	115	137	56					
ATUM 24XD5 WCM. 050308	●	24	25	34	198	120	142	56			WCM. 050308	3008-M3x8	82-T08
ATUM 25XD5 WCM. 050308	●	25	25	34	203	125	147	56					
ATUM 26XD5 WCM. 050308	●	26	25	34	208	130	152	56					
ATUM 27XD5 WCM. 050308	●	27	25	34	213	135	157	56					
ATUM 28XD5 WCM. 050308	●	28	25	34	218	140	162	56					
ATUM 29XD5 WCM. 050308	●	29	25	34	223	145	167	56					
ATUM 30XD5 WCM. 06T308	●	30	32	44	237	150	177	60			WCM. 06T308	3010-M3.5x9	82-T10
ATUM 31XD5 WCM. 06T308	●	31	32	44	242	155	182	60					
ATUM 32XD5 WCM. 06T308	●	32	32	44	247	160	187	60					
ATUM 33XD5 WCM. 06T308	●	33	32	44	252	165	192	60					
ATUM 34XD5 WCM. 06T308	●	34	32	44	257	170	197	60					
ATUM 35XD5 WCM. 06T308	●	35	32	44	262	175	202	60					
ATUM 37XD5 WCM. 06T308	●	37	32	44	272	185	212	60					
ATUM 38XD5 WCM. 06T308	●	38	32	44	277	190	217	60					
ATUM 46XD5 WCM. 080412	●	46	40	54	332	230	262	70			WCM. 080412	4015-M4x11	80-T15

R: Sağ / Right / Rechts L: Sol / Left / Links

● Stokta / In Stock / Auf Lager ○ Stokta Yok / Non Stock Item / Kein Lagerartikel, Lieferzeit auf Anfrage

ISO Ucuna Uygundur. / Compatible with ISO Insert. / Kompatibel mit ISO Wendepplatten.

Sipariş Örneđi/Ordering Example/ Bestellbeispiel

1 ad./pcs./stück ATUM 20XD5 WCM. 040208

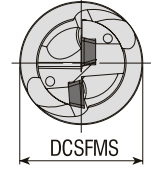
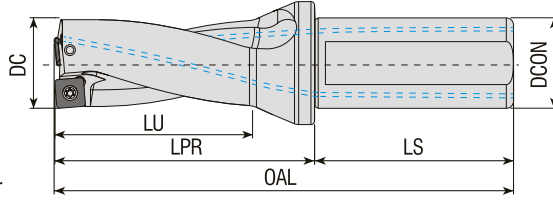
Takma Uçlu Matkap Kullanım Kılavuzu : S 375 / User's Guide For U-Drills : P 375

Bedienungsanleitung für Vollbohrer : S 375



Delme Derinliğı
Drilling Depth
Bohr tiefe

= 2x Çap
= 2x Diameter
= 2x Durchmesser



Takım Kodu Ordering Code Bestell-Bezeichnung		Stok Stock Lager	Takım Ölçüleri (mm) Dimension (mm) Abmessung (mm)							Maks. Ofset (radyal) Max. Offset (radial) Max. Versatz (radial)		Kesici Uç Insert Wendeschnidplatte	Yedek Parçaları / Spare Parts / Ersatzteile		
			DC	DCON	DCSFMS	OAL	LU	LPR	LS	X _{max}			Sıkma Vidası Screw Schraube	Tork Anahtar Torx Key Torx-Schlüssel	
										X _{max} [mm]	DC _{max} [mm]				
ATUM 12.5XD2 SP.	050204	●	12.5	20	25	96	24	46	50	0.75	14	SP. 050204		3006-M2x4	82-T06
ATUM 13XD2 SP.	050204	●	13	20	25	98	26	48	50	0.75	14.5				
ATUM 13.5XD2 SP.	050204	●	13.5	20	25	98	26	48	50	0.75	15				
ATUM 14XD2 SP.	050204	●	14	20	25	100	28	50	50	0.6	15.2				
ATUM 14.5XD2 SP.	050204	●	14.5	20	25	100	28	50	50	0.6	15.7				
ATUM 15XD2 SP.	050204	●	15	20	25	102	30	52	50	0.5	16				
ATUM 15.5XD2 SP.	060204	●	15.5	20	25	102	30	52	50	0.9	17.3	SP. 060204		3007-M2.2x4.6	82-T07
ATUM 16XD2 SP.	060204	●	16	25	34	110	32	54	56	0.8	17.6				
ATUM 16.5XD2 SP.	060204	●	16.5	25	34	110	32	54	56	0.8	18.1				
ATUM 17XD2 SP.	060204	●	17	25	34	112	34	56	56	0.75	18.5				
ATUM 17.5XD2 SP.	060204	●	17.5	25	34	112	34	56	56	0.75	19				
ATUM 18XD2 SP.	060204	●	18	25	34	114	36	58	56	0.5	19				
ATUM 18.5XD2 SP.	060204	●	18.5	25	34	114	36	58	56	0.5	19.5				
ATUM 19XD2 SP.	060204	●	19	25	34	116	38	60	56	0.3	19.6				
ATUM 19.5XD2 SP.	060204	●	19.5	25	34	116	38	60	56	0.3	20.1				
ATUM 20XD2 SP.	060204	●	20	25	34	118	40	62	56	0	20				
ATUM 20.5XD2 SP.	060204	●	20.5	25	34	118	40	62	56	0	20.5	SP. 07T308		3008-M2.5x6	82-T08
ATUM 21XD2 SP.	060204	●	21	25	34	120	42	64	56	0	21				
ATUM 21.5XD2 SP.	060204	●	21.5	25	34	120	42	64	56	0	21.5				
ATUM 22XD2 SP.	07T308	●	22	25	34	122	44	66	56	1	24				
ATUM 22XD2 SP.	07T308-32	●	22	32	44	131	44	71	60	1	24				
ATUM 22.5XD2 SP.	07T308	●	22.5	25	34	122	44	66	56	1	24.5				
ATUM 23XD2 SP.	07T308	●	23	25	34	124	46	68	56	0.75	24.5				
ATUM 23XD2 SP.	07T308-32	●	23	32	44	133	46	73	60	0.75	24.5				
ATUM 23.5XD2 SP.	07T308	●	23.5	25	34	124	46	68	56	0.75	25				
ATUM 24XD2 SP.	07T308	●	24	25	34	126	48	70	56	0.5	25				
ATUM 24XD2 SP.	07T308-32	●	24	32	44	135	48	75	60	0.50	25				
ATUM 24.5XD2 SP.	07T308	●	24.5	25	34	126	48	70	56	0.5	25.5	SP. 07T308		3008-M2.5x6	82-T08
ATUM 25XD2 SP.	07T308	●	25	25	34	128	50	72	56	0.25	25.5				
ATUM 25XD2 SP.	07T308-32	●	25	32	44	137	50	77	60	0.25	25.5				
ATUM 25.5XD2 SP.	07T308	●	25.5	25	34	128	50	72	56	0.25	26				
ATUM 26XD2 SP.	07T308	●	26	25	34	130	52	74	56	0	26				
ATUM 26XD2 SP.	07T308-32	●	26	32	44	139	52	79	60	0	26				
ATUM 26.5XD2 SP.	07T308	●	26.5	25	34	130	52	74	56	0	26.5				
ATUM 27XD2 SP.	07T308	●	27	25	34	132	54	76	56	0	27				
ATUM 27XD2 SP.	07T308-32	●	27	32	44	141	54	81	60	0	27	SP. 07T308		3008-M2.5x6	82-T08
ATUM 27.5XD2 SP.	07T308	●	27.5	25	34	132	54	76	56	0	27.5				

R: Sağ / Right / Rechts L: Sol / Left / Links

● Stokta / In Stock / Auf Lager ○ Stokta Yok / Non Stock Item / Kein Lagerartikel, Lieferzeit auf Anfrage

TGTC Ucuna Uygun. / Compatible with TGTC Insert. / Kompatibel mit TGTC Wendepalten.

Sipariş Örneği/Ordering Example/Bestellbeispiel

1 ad./pcs./stück ATUM 12.5XD2 SP. 050204

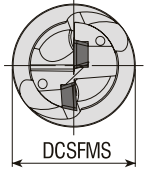
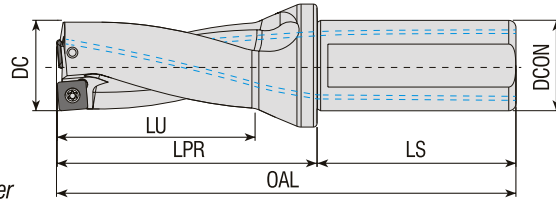
Takma Uçlu Matkap Kullanım Kılavuzu : S 375 / User's Guide For U-Drills : P 375

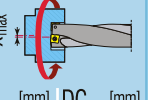
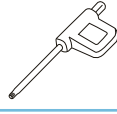
Bedienungsanleitung für Vollbohrer : S 375



Delme Derinliği
Drilling Depth
Bohrtiefe

= 2x Çap
= 2x Diameter
= 2x Durchmesser



Takım Kodu Ordering Code Bestell-Bezeichnung		Stok Stock Lager	Takım Ölçüleri (mm) Dimension (mm) Abmessung (mm)							Maks. Ofset (radial) Max. Offset (radial) Max. Versatz (radial)		Kesici Uç Insert Wendeschneidplatte	Yedek Parçaları / Spare Parts / Ersatzteile		
													Sıkma Vidası Screw Schraube	Tork Anahtar Torx Key Torx-Schlüssel	
															
			DC	DCON	DCSFMS	OAL	LU	LPR	LS	X _{max} X _{max} [mm]	DC _{max} DC _{max} [mm]				
ATUM	28XD2 SP..	090408	●	28	25	34	134	56	78	56	1	30	SP.. 090408	4015-M3.5x9	80-T15
ATUM	28XD2 SP..	090408-32	●	28	32	44	143	56	83	60	1	29			
ATUM	28.5XD2 SP..	090408	●	28.5	25	34	134	56	78	56	1	30.5			
ATUM	29XD2 SP..	090408	●	29	25	34	136	58	80	56	0.75	30.5			
ATUM	29XD2 SP..	090408-32	●	29	32	44	145	58	85	60	0.75	30.5			
ATUM	29.5XD2 SP..	090408	●	29.5	25	34	136	58	80	56	0.75	31			
ATUM	30XD2 SP..	090408	●	30	32	44	147	60	87	60	0.5	31			
ATUM	31XD2 SP..	090408	●	31	32	44	149	62	89	60	0.25	31.5			
ATUM	32XD2 SP..	090408	●	32	32	44	151	64	91	60	0	32			
ATUM	33XD2 SP..	090408	●	33	32	44	153	66	93	60	0	33			
ATUM	34XD2 SP..	110408	●	34	32	44	155	68	95	60	1	36	SP.. 110408	4015-M4x11	80-T15
ATUM	35XD2 SP..	110408	●	35	32	44	157	70	97	60	0.75	36.5			
ATUM	36XD2 SP..	110408	●	36	32	44	159	72	99	60	0.6	37.2			
ATUM	37XD2 SP..	110408	●	37	32	44	161	74	101	60	0.5	38			
ATUM	38XD2 SP..	110408	●	38	32	44	163	76	103	60	0.25	38.5			
ATUM	39XD2 SP..	110408	●	39	32	44	165	78	105	60	0	39			
ATUM	40XD2 SP..	110408	●	40	32	44	167	80	107	60	0	40			
ATUM	41XD2 SP..	110408	●	41	32	44	169	82	109	60	0	41			
ATUM	42XD2 SP..	140512	●	42	32	44	171	84	111	60	1.2	44.4			
ATUM	43XD2 SP..	140512	●	43	32	44	173	86	113	60	1	45			
ATUM	44XD2 SP..	140512	●	44	32	44	175	88	115	60	0.8	45.6			
ATUM	45XD2 SP..	140512	●	45	40	54	192	90	122	70	0.6	46.2			
ATUM	46XD2 SP..	140512	●	46	40	54	194	92	124	70	0.4	46.8			
ATUM	47XD2 SP..	140512	●	47	40	54	196	94	126	70	0.2	47.4			
ATUM	48XD2 SP..	140512	●	48	40	54	198	96	128	70	0	48			
ATUM	49XD2 SP..	140512	●	49	40	54	200	98	130	70	0	49			
ATUM	50XD2 SP..	140512	●	50	40	54	202	100	132	70	0	50			

R: Sağ / Right / Rechts L: Sol / Left / Links

● Stokta / In Stock / Auf Lager ○ Stokta Yok / Non Stock Item / Kein Lagerartikel, Lieferzeit auf Anfrage
TGTC Ucuna Uygunudur. / Compatible with TGTC Insert. / Kompatibel mit TGTC Wendepplatten.

Sipariş Örneği/Ordering Example/Bestellbeispiel

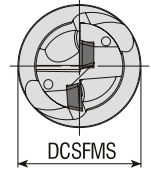
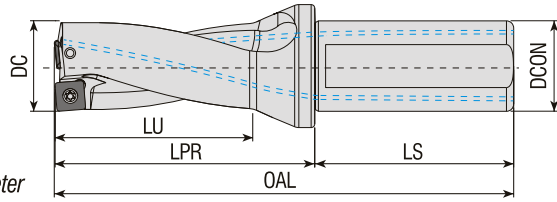
1 ad./pcs./stück ATUM 28XD2 SP.. 090408

Takma Uçlu Matkap Kullanım Kılavuzu : S 375 / User's Guide For U-Drills : P 375
Bedienungsanleitung für Vollbohrer : S 375



Delme Derinliği
Drilling Depth
Bohr tiefe

= 3x Çap
= 3x Diameter
= 3x Durchmesser



Takım Kodu Ordering Code Bestell-Bezeichnung				Stok Stock Lager	Takım Ölçüleri (mm) Dimension (mm) Abmessung (mm)								Maks. Ofset (radial) Max. Offset (radial) Max. Versatz (radial)	Kesici Uç Insert Wendeschneidplatte	Yedek Parçaları / Spare Parts / Ersatzteile	
					DC	DCON	DCSFMS	OAL	LU	LPR	LS	X _{max} X _{max} [mm]			Sıkma Vidası Screw Schraube	Tork Anahtar Torx Key Torx-Schlüssel
ATUM 12.5XD3 SP. 050204				●	12.5	20	25	108	36	58	50	0.75	14	SP. 050204	3006-M2x4	82-T06
ATUM 13XD3 SP. 050204				●	13	20	25	111	39	61	50	0.75	14.5			
ATUM 13.5XD3 SP. 050204				●	13.5	20	25	111	39	61	50	0.75	15			
ATUM 14XD3 SP. 050204				●	14	20	25	114	42	64	50	0.6	15.2			
ATUM 14.5XD3 SP. 050204				●	14.5	20	25	114	42	64	50	0.6	15.7			
ATUM 15XD3 SP. 050204				●	15	20	25	117	45	67	50	0.5	16	SP. 060204	3007-M2.2x4.6	82-T07
ATUM 15.5XD3 SP. 060204				●	15.5	20	25	117	45	67	50	0.9	17.3			
ATUM 16XD3 SP. 060204				●	16	25	34	126	48	70	56	0.8	17.6			
ATUM 16.5XD3 SP. 060204				●	16.5	25	34	126	48	70	56	0.8	18.1			
ATUM 17XD3 SP. 060204				●	17	25	34	129	51	73	56	0.75	18.5			
ATUM 17.5XD3 SP. 060204				●	17.5	25	34	129	51	73	56	0.75	19			
ATUM 18XD3 SP. 060204				●	18	25	34	132	54	76	56	0.5	19			
ATUM 18.5XD3 SP. 060204				●	18.5	25	34	132	54	76	56	0.5	19.5			
ATUM 19XD3 SP. 060204				●	19	25	34	135	57	79	56	0.3	19.6			
ATUM 19.5XD3 SP. 060204				●	19.5	25	34	135	57	79	56	0.3	20.1			
ATUM 20XD3 SP. 060204				●	20	25	34	138	60	82	56	0	20			
ATUM 20.5XD3 SP. 060204				●	20.5	25	34	138	60	82	56	0	20.5			
ATUM 21XD3 SP. 060204				●	21	25	34	141	63	85	56	0	21			
ATUM 21.5XD3 SP. 060204				●	21.5	25	34	141	63	85	56	0	21.5			
ATUM 22XD3 SP. 07T308				●	22	25	34	144	66	88	56	1	24	SP. 07T308	3008-M2.5x6	82-T08
new ATUM 22XD3 SP. 07T308-32				●	22	32	44	153	66	93	60	1	23			
ATUM 22.5XD3 SP. 07T308				●	22.5	25	34	144	66	88	56	1	24.5			
ATUM 23XD3 SP. 07T308				●	23	25	34	147	69	91	56	0.75	24.5			
new ATUM 23XD3 SP. 07T308-32				●	23	32	44	156	69	96	60	0.75	24.5			
ATUM 23.5XD3 SP. 07T308				●	23.5	25	34	147	69	91	56	0.75	25			
ATUM 24XD3 SP. 07T308				●	24	25	34	150	72	94	56	0.5	25			
new ATUM 24XD3 SP. 07T308-32				●	24	32	44	159	72	99	60	0.50	25			
ATUM 24.5XD3 SP. 07T308				●	24.5	25	34	150	72	94	56	0.5	25.5			
ATUM 25XD3 SP. 07T308				●	25	25	34	153	75	97	56	0.25	25.5			
new ATUM 25XD3 SP. 07T308-32				●	25	32	44	162	75	102	60	0.25	25.5			
ATUM 25.5XD3 SP. 07T308				●	25.5	25	34	153	75	97	56	0.25	26			
ATUM 26XD3 SP. 07T308				●	26	25	34	156	78	100	56	0	26			
new ATUM 26XD3 SP. 07T308-32				●	26	32	44	165	78	105	60	0	26			
ATUM 26.5XD3 SP. 07T308				●	26.5	25	34	156	78	100	56	0	26.5			
ATUM 27XD3 SP. 07T308				●	27	25	34	159	81	103	56	0	27	SP. 090408	4015-M3.5x9	80-T15
new ATUM 27XD3 SP. 07T308-32				●	27	32	44	168	81	108	60	0	27			
ATUM 27.5XD3 SP. 07T308				●	27.5	25	34	159	81	103	56	0	27.5			
ATUM 28XD3 SP. 090408				●	28	25	34	162	84	106	56	1	30			
new ATUM 28XD3 SP. 090408-32				●	28	32	44	171	84	111	60	1	29			
ATUM 28.5XD3 SP. 090408				●	28.5	25	34	162	84	106	56	1	30.5			
ATUM 29XD3 SP. 090408				●	29	25	34	165	87	109	56	0.75	30.5			
new ATUM 29XD3 SP. 090408-32				●	29	32	44	174	87	114	6	0.75	30.5			
ATUM 29.5XD3 SP. 090408				●	29.5	25	34	165	87	109	56	0.75	31			
ATUM 30XD3 SP. 090408				●	30	32	44	177	90	117	60	0.5	31			
ATUM 30.5XD3 SP. 090408				●	30.5	32	44	177	90	117	60	0.5	31.5			
ATUM 31XD3 SP. 090408				●	31	32	44	180	93	120	60	0.25	31.5			
ATUM 31.5XD3 SP. 090408				●	31.5	32	44	180	93	120	60	0.25	32			
ATUM 32XD3 SP. 090408				●	32	32	44	183	96	123	60	0	32			
ATUM 32.5XD3 SP. 090408				●	32.5	32	44	183	96	123	60	0	32.5			
ATUM 33XD3 SP. 090408				●	33	32	44	186	99	126	60	0	33			
ATUM 33.5XD3 SP. 090408				●	33.5	32	44	186	99	126	60	0	33.5			

R: Sağ / Right / Rechts / L: Sol / Left / Links

● Stokta / In Stock / Auf Lager ○ Stokta Yok / Non Stock Item / Kein Lagerartikel, Lieferzeit auf Anfrage
TGTC Uçuna Uygun. / Compatible with TGTC Schneidplatten mit TGTC Wendeschneidplatten.

Sipariş Örneği/Ordering Example/Bestellbeispiel

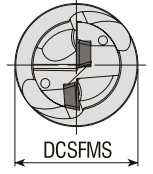
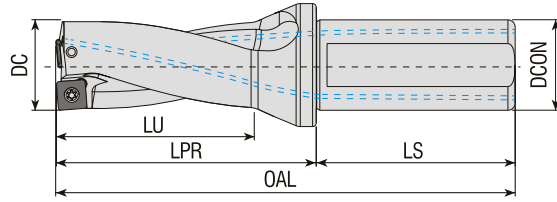
1 ad./pcs./stück ATUM 12.5XD3 SP. 050204

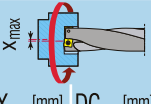
Takma Uçlu Matkap Kullanım Kılavuzu : S 375 / User's Guide For U-Drills : P 375

Bedienungsanleitung für Vollbohrer : S 375



Delme Derinliđi
Drilling Depth
Bohrtiefe
= 3x Çap
= 3x Diameter
= 3x Durchmesser



Takım Kodu Ordering Code Bestell-Bezeichnung				Stok Stock Lager	Takım Ölçüleri (mm) Dimension (mm) Abmessung (mm)								Maks. Ofset (radyal) Max. Offset (radial) Max. Versatz (radial)		Kesici Uç Insert Wendeschneidplatte	Yedek Parçaları / Spare Parts / Ersatzteile		
																Sıkma Vidası Screw Schraube	Tork Anahtar Torx Key Torx-Schlüssel	
					DC	DCON	DCSFMS	OAL	LU	LPR	LS							
																		
ATUM 34XD3 SP.	110408	●	34	32	44	189	102	129	60	1	36	SP. 110408	4015-M4x11	80-T15				
ATUM 34.5XD3 SP.	110408	●	34.5	32	44	189	102	129	60	1	36.5							
ATUM 35XD3 SP.	110408	●	35	32	44	192	105	132	60	0.75	36.5							
ATUM 35.5XD3 SP.	110408	●	35.5	32	44	192	105	132	60	0.75	37							
ATUM 36XD3 SP.	110408	●	36	32	44	195	108	135	60	0.6	37.2							
ATUM 36.5XD3 SP.	110408	●	36.5	32	44	195	108	135	60	0.6	37.7							
ATUM 37XD3 SP.	110408	●	37	32	44	198	111	138	60	0.5	38							
ATUM 37.5XD3 SP.	110408	●	37.5	32	44	198	111	138	60	0.5	38.5							
ATUM 38XD3 SP.	110408	●	38	32	44	201	114	141	60	0.25	38.5							
ATUM 38.5XD3 SP.	110408	●	38.5	32	44	201	114	141	60	0.25	39							
ATUM 39XD3 SP.	110408	●	39	32	44	204	117	144	60	0	39							
ATUM 39.5XD3 SP.	110408	●	39.5	32	44	204	117	144	60	0	39.5							
ATUM 40XD3 SP.	110408	●	40	32	44	207	120	147	60	0	40							
ATUM 40.5XD3 SP.	110408	●	40.5	32	44	207	120	147	60	0	40.5							
ATUM 41XD3 SP.	110408	●	41	32	44	210	123	150	60	0	41							
ATUM 41.5XD3 SP.	110408	●	41.5	32	44	210	123	150	60	0	41.5							
ATUM 42XD3 SP.	140512	●	42	32	44	213	126	153	60	1.2	44.4	SP. 140512	1020-M5x11	80-T20				
ATUM 42.5XD3 SP.	140512	●	42.5	32	44	213	126	153	60	1.2	44.9							
ATUM 43XD3 SP.	140512	●	43	32	44	216	129	156	60	1	45							
ATUM 43.5XD3 SP.	140512	●	43.5	32	44	216	129	156	60	1	45.5							
ATUM 44XD3 SP.	140512	●	44	32	44	219	132	159	60	0.8	45.6							
ATUM 44.5XD3 SP.	140512	●	44.5	32	44	219	132	159	60	0.8	46.1							
ATUM 45XD3 SP.	140512	●	45	40	54	237	135	167	70	0.6	46.2							
ATUM 45.5XD3 SP.	140512	●	45.5	40	54	237	135	167	70	0.6	46.7							
ATUM 46XD3 SP.	140512	●	46	40	54	240	138	170	70	0.4	46.8							
ATUM 47XD3 SP.	140512	●	47	40	54	243	141	173	70	0.2	47.4							
ATUM 48XD3 SP.	140512	●	48	40	54	246	144	176	70	0	48							
ATUM 49XD3 SP.	140512	●	49	40	54	249	147	179	70	0	49							
ATUM 50XD3 SP.	140512	●	50	40	54	252	150	182	70	0	50							
ATUM 51XD3 SP.	140512	●	51	40	54	255	153	185	70	0	51							
ATUM 52XD3 SP.	140512	●	52	40	54	258	156	188	70	0	52							

R: Sağ / Right / Rechts L: Sol / Left / Links

● Stokta / In Stock / Auf Lager ○ Stokta Yok / Non Stock Item / Kein Lagerartikel, Lieferzeit auf Anfrage
TGTC Uçuna Uygunur. / Compatible with TGTC Insert. / Kompatibel mit TGTC Wendeleplatten.

Sipariş Örneği/Ordering Example/Bestellbeispiel

1 ad./pcs./stück ATUM 34XD3 SP. 110408

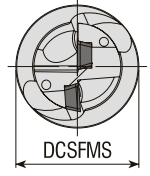
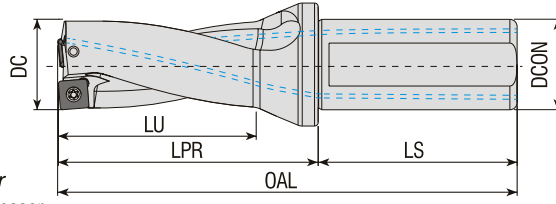
Takma Uçlu Matkap Kullanım Kılavuzu : S 375 / User's Guide For U-Drills : P 375

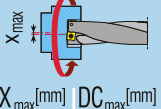
Bedienungsanleitung für Vollbohrer : S 375



Delme Derinliđi
Drilling Depth
Bohr tiefe

= 4x Çap
= 4x Diameter
= 4x Durchmesser



Takım Kodu Ordering Code Bestell-Bezeichnung				Stok Stock Lager	Takım Ölçüleri (mm) Dimension (mm) Abmessung (mm)								Maks. Ofset (radial) Max. Offset (radial) Max. Versatz (radial)		Kesici Uç Insert Wendeschneidplatte	Yedek Parçaları / Spare Parts / Ersatzteile	
																Sıkma Vidası Screw Schraube	Tork Anahtar Torx Key Torx-Schlüssel
																	
				DC	DCON	DCSFMS	OAL	LU	LPR	LS	X _{max} [mm]	DC _{max} [mm]					
ATUM 13XD4 SP. 050204	●	13	20	25	124	52	74	50	0.75	14.5	SP. 050204	3006-M2x4	82-T06				
ATUM 14XD4 SP. 050204	●	14	20	25	128	56	78	50	0.6	15.2							
ATUM 14.5XD4 SP. 050204	●	14.5	20	25	128	56	78	50	0.60	15.7							
ATUM 15XD4 SP. 050204	●	15	20	25	132	60	82	50	0.5	16							
ATUM 16XD4 SP. 060204	●	16	25	34	142	64	86	56	0.8	17.6	SP. 060204	3007-M2.2x4.6	82-T07				
ATUM 17XD4 SP. 060204	●	17	25	34	146	68	90	56	0.75	18.5							
ATUM 17.5XD4 SP. 060204	●	17.5	25	34	146	68	90	56	0.75	19							
ATUM 18XD4 SP. 060204	●	18	25	34	150	72	94	56	0.5	19							
ATUM 19XD4 SP. 060204	●	19	25	34	154	76	98	56	0.3	19.6							
ATUM 19.5XD4 SP. 060204	●	19.5	25	34	154	76	98	56	0.3	20.1							
ATUM 20XD4 SP. 060204	●	20	25	34	158	80	102	56	0	20							
ATUM 21XD4 SP. 060204	●	21	25	34	162	84	106	56	0	21	SP. 07T308	3008-M2.5x6	82-T08				
ATUM 22XD4 SP. 07T308	●	22	25	34	166	88	110	56	1	24							
ATUM 23XD4 SP. 07T308	●	23	25	34	170	92	114	56	0.75	24.5							
ATUM 23.5XD4 SP. 07T308	●	23.5	25	34	170	92	114	56	0.75	25							
ATUM 24XD4 SP. 07T308	●	24	25	34	174	96	118	56	0.5	25							
ATUM 25XD4 SP. 07T308	●	25	25	34	178	100	122	56	0.25	25.5							
ATUM 26XD4 SP. 07T308	●	26	25	34	182	104	126	56	0	26							
ATUM 27XD4 SP. 07T308	●	27	25	34	186	108	130	56	0	27							
ATUM 27.5XD4 SP. 07T308	●	27.5	25	34	186	108	130	56	0	27.5	SP. 090408	4015-M3.5x9	80-T15				
ATUM 28XD4 SP. 090408	●	28	25	34	190	112	134	56	1	30							
ATUM 29XD4 SP. 090408	●	29	25	34	194	116	138	56	0.75	30.5							
ATUM 30XD4 SP. 090408	●	30	32	44	207	120	147	60	0.5	31							
ATUM 31XD4 SP. 090408	●	31	32	44	211	124	151	60	0.25	31.5							
ATUM 32XD4 SP. 090408	●	32	32	44	215	128	155	60	0	32							
ATUM 33XD4 SP. 090408	●	33	32	44	219	132	159	60	0	33							
ATUM 33.5XD4 SP. 090408	●	33.5	32	44	219	132	159	60	0	33.5	SP. 110408	4015-M4x11	80-T15				
ATUM 34XD4 SP. 110408	●	34	32	44	223	136	163	60	1	36							
ATUM 35XD4 SP. 110408	●	35	32	44	227	140	167	60	0.75	36.5							
ATUM 36XD4 SP. 110408	●	36	32	44	231	144	171	60	0.6	37.2							
ATUM 37XD4 SP. 110408	●	37	32	44	235	148	175	60	0.5	38							
ATUM 38XD4 SP. 110408	●	38	32	44	239	152	179	60	0.25	38.5							
ATUM 39XD4 SP. 110408	●	39	32	44	243	156	183	60	0	39							
ATUM 40XD4 SP. 110408	●	40	32	44	247	160	187	60	0	40	SP. 140512	1020-M5x11	80-T20				
ATUM 41XD4 SP. 110408	●	41	32	44	251	164	191	60	0	41							
ATUM 42XD4 SP. 140512	●	42	32	44	255	168	195	60	1.2	44.4							
ATUM 43XD4 SP. 140512	●	43	32	44	259	172	199	60	1	45							
ATUM 44XD4 SP. 140512	●	44	32	44	263	176	203	60	0.8	45.6	SP. 140512	1020-M5x11	80-T20				
ATUM 46XD4 SP. 140512	●	46	40	54	286	184	216	70	0.40	46.8							

R: Sağ / Right / Rechts L: Sol / Left / Links

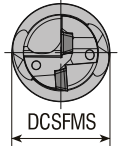
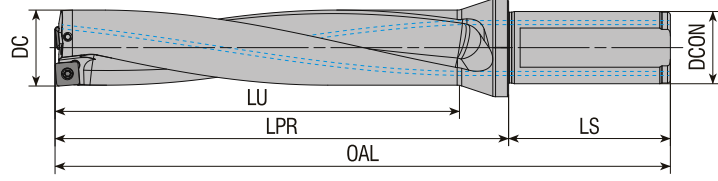
● Stokta / In Stock / Auf Lager ○ Stokta Yok / Non Stock Item / Kein Lagerartikel, Lieferzeit auf Anfrage
TGTC Ucuna Uygundur. / Compatible with TGTC Insert. / Kompatibel mit TGTC-Wendeschneidplatten.

Sipariş Örneđi/Ordering Example/Bestellbeispiel

1 ad./pcs./stück ATUM 13XD4 SP. 050204

Takma Uçlu Matkap Kullanım Kılavuzu : S 375 / User's Guide For U-Drills : P 375

Bedienungsanleitung für Vollbohrer : S 375



Delme Derinliđi
Drilling Depth
Bohrtiefe

= 5x Çap
= 5x Diameter
= 5x Durchmesser

Takım Kodu Ordering Code Bestell-Bezeichnung		Stok Stock Lager	Takım Ölçüleri (mm) Dimension (mm) Abmessung (mm)								Maks. Ofset (radial) Max. Ofset (radial) Max. Versatz (radial)	Kesici Uç Insert Wendeschneidplatte	Yedek Parçaları / Spare Parts / Ersatzteile	
			DC	DCON	DCSFMS	OAL	LU	LPR	LS	X _{max} X _{max} [mm]			Sıkma Vidası Screw Schraube	Tork Anahtar Torx Key Torx-Schlüssel
new	ATUM 13XD5 SP. 050204	●	13	20	25	137	65	87	50	0.75	14.5	SP. 050204	3006-M2.5x4	82-T06
	ATUM 14XD5 SP. 050204	●	14	20	25	142	70	92	50	0.6	15.2		3006-M2x4	
new	ATUM 14.5XD5 SP. 050204	●	14.5	20	25	142	70	92	50	0.60	15.7		3006-M2.5x4	
new	ATUM 15XD5 SP. 050204	●	15	20	25	147	75	97	50	0.50	16	SP. 060204	3007-M2.2x4.6	82-T07
	ATUM 16XD5 SP. 060204	●	16	25	34	158	80	102	56	0.8	17.6		3007-M2.2x5	
	ATUM 17XD5 SP. 060204	●	17	25	34	163	85	107	56	0.75	18.5			
new	ATUM 17XD5 SP. 060204-32	●	17	32	34	163	85	107	56	0.75	18.5			
	ATUM 18XD5 SP. 060204	●	18	25	34	168	90	112	56	0.5	19			
	ATUM 19XD5 SP. 060204	●	19	25	34	173	95	117	56	0.3	19.6			
	ATUM 20XD5 SP. 060204	●	20	25	34	178	100	122	56	0	20	SP. 07T308	3008-M2.5x6	82-T08
	ATUM 21XD5 SP. 060204	●	21	25	34	183	105	127	56	0	21			
	ATUM 22XD5 SP. 07T308	●	22	25	34	188	110	132	56	1	24			
	ATUM 22XD5 SP. 07T308-32	●	22	32	44	197	110	137	60	1	24			
	ATUM 23XD5 SP. 07T308	●	23	25	34	193	115	137	56	0.75	24.5			
	ATUM 23XD5 SP. 07T308-32	●	23	32	44	202	115	142	60	0.75	24.5			
	ATUM 24XD5 SP. 07T308-32	●	24	32	44	207	120	147	60	0.5	25			
	ATUM 25XD5 SP. 07T308	●	25	25	34	203	125	147	56	0.25	25.5			
	ATUM 25XD5 SP. 07T308-32	●	25	32	44	212	125	152	60	0.25	25.5			
	ATUM 26XD5 SP. 07T308	●	26	25	34	208	130	152	56	0	26			
	ATUM 26XD5 SP. 07T308-32	●	26	32	44	217	130	157	60	0	26	SP. 090408	4015-M3.5x9	80-T15
	ATUM 27XD5 SP. 07T308	●	27	25	34	213	135	157	56	0	27			
	ATUM 27XD5 SP. 07T308-32	●	27	32	44	222	135	162	60	0	27			
	ATUM 28XD5 SP. 090408-32	●	28	32	44	227	140	167	60	1	30			
	ATUM 29XD5 SP. 090408-32	●	29	32	44	232	145	172	60	0.75	30.5			
	ATUM 30XD5 SP. 090408	●	30	32	44	237	150	177	60	0.5	31			
	ATUM 31XD5 SP. 090408	●	31	32	44	242	155	182	60	0.25	31.5			
	ATUM 32XD5 SP. 090408	●	32	32	44	247	160	187	60	0	32			
	ATUM 33XD5 SP. 090408	●	33	32	44	252	165	192	60	0	33			

R: Sağ / Right / Rechts / L: Sol / Left / Links

● Stokta / In Stock / Auf Lager ○ Stokta Yok / Non Stock Item / Kein Lagerartikel, Lieferzeit auf Anfrage
TGTC Ucuna Uygunudur. / Compatible with TGTC Insert. / Kompatibel mit TGTC Wendepplatten.

Sipariş Örneđi/Ordering Example/Bestellbeispiel

1 ad./pcs./stück ATUM 13XD5 SP. 050204

Takma Uçlu Matkap Kullanım Kılavuzu : S 375 / User's Guide For U-Drills : P 375

Bedienungsanleitung für Vollbohrer : S 375

HELİSEL İÇTEN SU VERME KANALLI MATKAPLAR

INDEXABLE DRILLS WITH HELICAL COOLANT HOLE

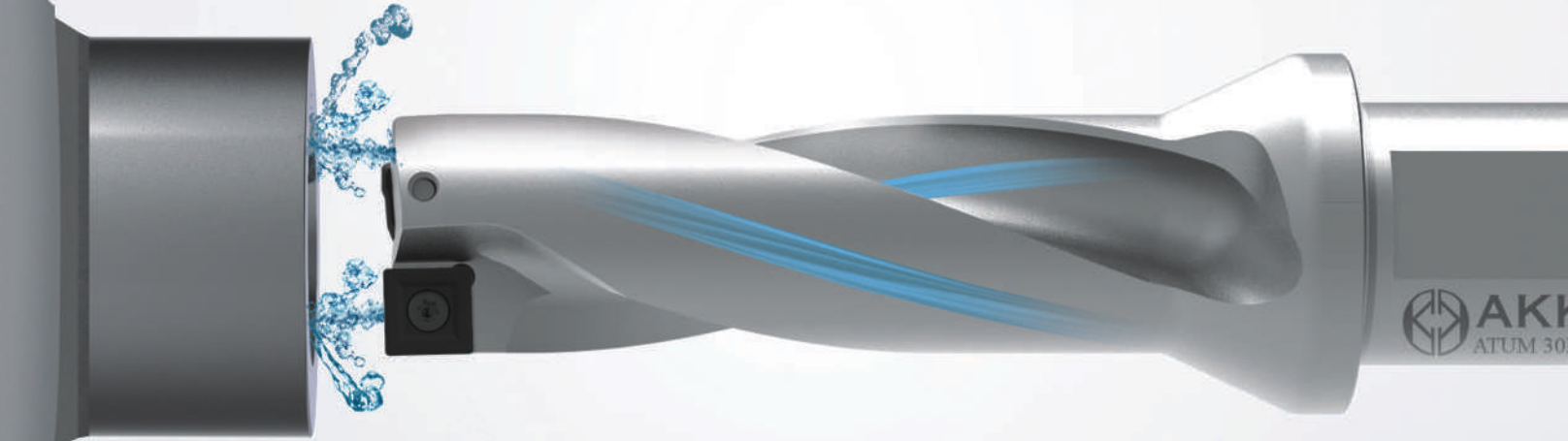
INDIZIERBARE VOLLBOHRER MIT HELIX KÜHLUNGSHÖHLEN

Farklı çaplarda ve ALFA KAPLAMA teknoloji ile siparişe hazır.

They are ready to order in different diameters and with ALPHA COATING technology.

Die Vollbohrer sind in unterschiedlichen Dimensionen und mit ALFABESCHICHTUNGSTECHNOLOGY bereit für die Bestellungen.

- Helisel içten su verme kanallı
- Üstün Alpha Kaplama Teknolojisi
- 1000 Vickers'e dayanan yüksek yüzey sertliği
- Aşınmaya karşı yüksek direnç
- Dengeli ve hassas kesim
- Helical Internal Coolant Holes
- Superior Alpha Coating Technology
- High surface hardness up to 1000 Vickers
- High resistance to abrasion
- Balanced and precise cutting
- Helix innterne Kühlungshöhlen
- Übereagende Alphabeschichtungsstechnologie
- Hohe Oberflächen Härte bis zu 1000 Vickers.
- Hoher Widerstand gegen Abnutzung
- Ausgewogene und präzise Bearbeitung



* STOK DURUMU / STOCK STATUS / STOCK STATUS

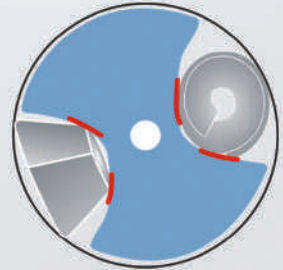
D2 / D3 / D4 / D5

* Helisel İçten Su Verme Kanallı
Twisted Coolant Hole
Spiralförmige Kühlungshöhlen

AKKO HELİSEL KANAL TEKNOLOJİSİ
AKKO HELICAL CHANNEL TECHNOLOGY
AKKO HELIX KANAL TECHNOLOGIE



RAKİPLER
COMPETITORS
KONKURRENZ



KESME & KANAL AÇMA UÇ VE TAKIMLARI

GROOVING & PARTING INSERT AND TOOLS
EINSTECH- UND ABSTECHWENDESCHNEIDPLATTEN
UND WERKZEUGE

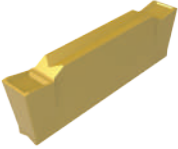
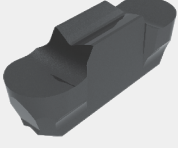
AGD-MT / AGD-MR Uç Serisi / Insert Series / Insert Serie



Kesme ve Kanal Açma Uçlarına Genel Bakış

Overview of Parting and Grooving Inserts

Überblick über Wendeschneidplatten zum Abstechen und Einstechen

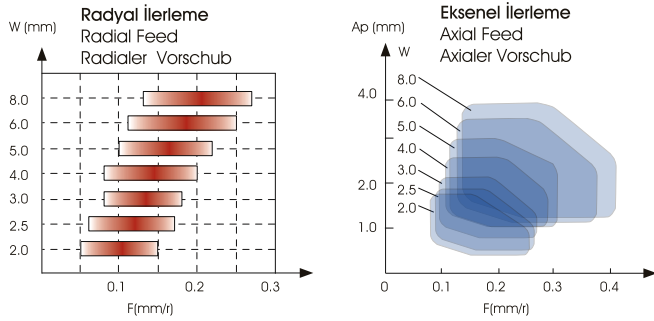
Form Shape	Geometri Geometry	Ugulama Application	Genişlik Width
	AGD-MT	Medium Turning	2.0-8.0 (mm)
	AGD-MR	Medium Profiling	2.0-8.0 (mm)

Önerilen Kesme Değerleri

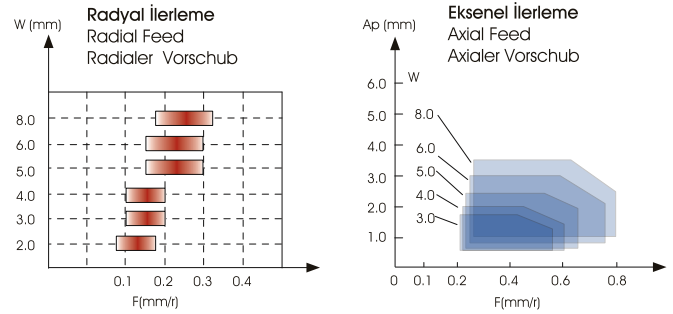
Recommended Cutting Datas

Empfohlene Schnittdaten

AGD-MT



AGD-MR

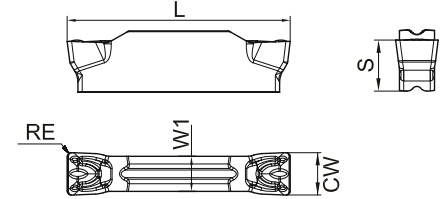
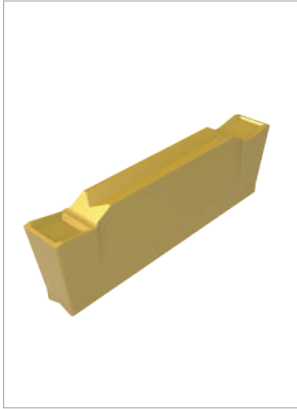


ISO	İş Parçası Malzemesi Workpiece Material	Sertlik Hardness (HB)	Kesme Hızı V_c Cutting Speed V_c m/min / Schneidgeschwindigkeit						
			AP1105	AP1225	AK1115	AS3115	AS3125	AA4230	AS9125
P	Düşük Karbonlu Çelik Low Carbon Steel	80 – 170	120 (80-220)	120 (80-220)		70 (50-100)	70 (50-100)	110 (70-180)	
	Yüksek Karbonlu Çelik High Carbon Steel	170 – 250	120 (80-220)	120 (80-220)				110 (70-150)	
	Düşük Alaşımlı Çelik Low alloy Steel	140– 260	110 (60-180)	110 (60-180)		70 (50-100)	70 (50-100)	(40-150)	
	Yüksek Alaşımlı Çelik High alloy Steel	180– 300	110 (60-180)	110 (60-180)				110 (40-150)	
	Dökme Çelik Cast Steel	180– 300	110 (60-180)	110 (60-180)				110 (40-150)	
M	Feritik / Martenzitik Ferritic / Martensitic	150– 270				90 (50-150)	90 (30-180)	110 (40-180)	
	Östenitik Austenitic	150– 270				90 (50-150)	90 (30-180)	(40-180)	
K	Dövülebilir Dökme Demir Malleable Cast Iron	150– 230			130 (50-200)			(50-180)	
	Gri Dökme Demir Gray Cast Iron	150– 230			130 (50-200)			110 (50-180)	
	Sferö Döküm Demir Nodular Cast Iron	160– 260			100 (50-150)			100 (50-150)	
S	Isıya Dayanıklı Alaşımlar Heat-resistant Alloys	130– 400				35 (15-60)	35 (15-70)		
	Titanyum Alaşımlar Titanium Alloys	130– 400				35 (15-60)	35 (15-70)		35 (15-60)

1	2	3	4-5	6-7	8	9	10
A	G	D	30--04	MT	A	A	4230
AKKO	GROOVING KANAL AÇMA	D DOUBLE SIDE ÇİFT TARAFLI S SINGLE SIDE TEK TARAFLI	WIDTH GENİŞLİK CORNER RADIUS KÖŞE YARIÇAPI	CHIP BREAKER TALAŞ KIRICI FORM MT: MEDIUM TURNING MT: ORTA TORNALAMA MR: MEDIUM PROFILING MR: ORTA PROFİLLEME	AKKO	A: GENERAL / GENEL P: STEEL / ÇELİK K: CAST IRON / DÖKÜM M: STAINLESS STEEL / PASLANMAZ S: HEAT RESISTANT ALLOYS / TITANIUM ISIYA DAYANIKLI ALAŞIMLAR / TİTANYUM N: NON-FERROUS METARIALS DEMİR OLMAYAN METALLER H: HARDENED STEEL / SERT METAL	GRADE / SERTLİK

AGD-MT

AKKO Çift Taraflı Kesme Uçları
AKKO Grooving Double Side
AKKO Nuten beidseitig

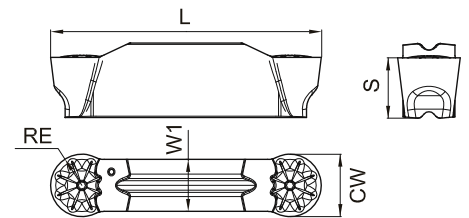
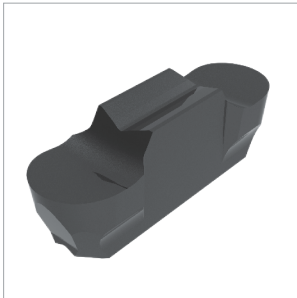


Sipariş Kodu Ordering Code Bestellungsnummer	Ölçü / Dimension (mm) / Dimension					Kalite / Grade / Qualität		
	CW±0.05	RE±0.05	L	W1	S	AP1225	AK1115	AA4230
AGD2002-MT	2.0	0.2	16.0	1.2	3.5	●	●	●
AGD2502-MT	2.5	0.2	18.5	2.0	3.85	●	●	●
AGD3004-MT	3.0	0.4	21.2	2.35	4.8	●	●	●
AGD4004-MT	4.0	0.4	21.0	3.3	4.8	●	●	●
AGD5004-MT	5.0	0.4	26.0	4.1	5.8	●	●	●
AGD5008-MT	5.0	0.8	26.0	4.1	5.8	●	●	●
AGD6004-MT	6.0	0.4	26.0	5.0	5.8	●	●	●
AGD6008-MT	6.0	0.8	26.0	5.0	5.8	●	●	●
AGD8008-MT	8.0	0.8	31.0	6.0	6.5	●	●	●

● Stok
Stock
○ Talep Edilmesi Halinde Üretililecek
Available upon order

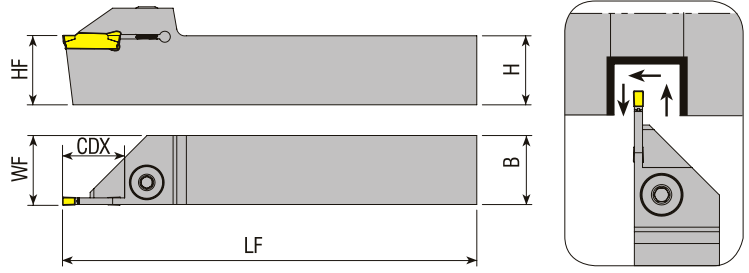
AGD-MR

AKKO Çift Taraflı Kesme Uçları
AKKO Grooving Double Side
AKKO Nuten beidseitig



Sipariş Kodu Ordering Code Bestellungsnummer	Ölçü / Dimension (mm) / Dimension					Kalite / Grade / Qualität			
	CW±0.05	RE±0.05	L	W1	S	AP1105	AP1225	AK1115	AA4230
AGD2010-MR	2.0	1.0	16.0	1.2	3.5	●	●	●	●
AGD3015-MR	3.0	1.5	21.2	2.35	4.8	●	●	●	●
AGD4020-MR	4.0	2.0	21.0	3.3	4.8	●	●	●	●
AGD5025-MR	5.0	2.5	26.0	4.1	5.8	●	●	●	●
AGD6030-MR	6.0	3.0	26.0	5.0	5.8	●	●	●	●
AGD8040-MR	8.0	4.0	31.0	6.0	6.5	●	●	●	●

● Stok
Stock
○ Talep Edilmesi Halinde Üretililecek
Available upon order

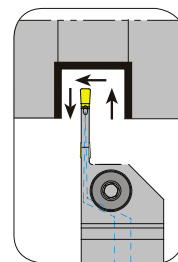
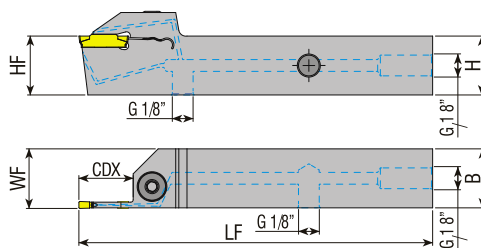


Takım Kodu Ordering Code Bestell-Bezeichnung	Stok Stock		Takım Ölçüleri (mm) Dimension (mm)					Kesici Uç Insert	Yedek Parçaları / Spare Parts																			
	R	L	HF=H	B	LF	WF	CDX		Sıkma Vidası Screw	Pul Stamp	Anahtar Allen Key																	
																												
AD K-K-R/ L1212-1.5 T15	●	●	12	12	100	12.2	15	MGM. -1.5		AKV-02- M6x22	ABPL-01	AAL-03- 3																
AD K-K-R/ L2020-1.5 T15	●	●	20	20	125	20.2	15																					
AD K-K-R/ L1212-2 T15	●	●	12	12	100	16.3	15																					
AD K-K-R/ L1616-2 T10	●	●	16	16	125	16.3	10	AGD. -2 MGM. -2						2004- M8x1x20	-	AAL-05- 4												
AD K-K-R/ L1616-2 T15	●	●	16	16	125	16.3	15																					
AD K-K-R/ L2020-2 T15	●	●	20	20	150	20.3	15																					
AD K-K-R/ L2525-2 T15	●	●	25	25	150	25.3	15																					
AD K-K-R/ L3232-2 T15	●	●	32	32	170	32.3	15																					
AD K-K-R/ L1212-3 T15	●	●	12	12	100	12.3	15	AGD. -3 MGM. -3										2004- M8x1x20	-	AAL-05- 4								
AD K-K-R/ L1616-3 T15	●	●	16	16	125	16.3	15																					
AD K-K-R/ L2020-3 T10	●	●	20	20	125	20.3	10																					
AD K-K-R/ L2020-3 T20	●	●	20	20	125	20.3	20																					
AD K-K-R/ L2020-3-R2	8●	●	20	20	125	20.3	28																					
AD K-K-R/ L2525-3 T10	●	●	25	25	150	25.3	10																					
AD K-K-R/ L2525-3-R1	5●	●	25	25	150	25.3	15																					
AD K-K-R/ L2525-3 T22	●	●	25	25	150	25.3	22																					
AD K-K-R/ L3232-3 T10	●	●	32	32	170	32.3	10		AGD. -4 MGM. -4		2004- M8x1x20	-									AAL-05- 4							
AD K-K-R/ L3232-3 T22	●	●	32	32	170	32.3	22																					
AD K-K-R/ L2020-4 T10	●	●	20	20	125	20.4	10																					
AD K-K-R/ L2020-4 T20	●	●	20	20	125	20.4	20																					
AD K-K-R/ L2020-4-R2	5●	○	20	20	125	20.4	25																					
AD K-K-R/ L2525-4 T10	●	●	25	25	150	25.4	10	AGD. -5 MGM. -5					2004- M8x1x20	-	AAL-05- 4													
AD K-K-R/ L2525-4 T18	●	●	25	25	150	25.4	18																					
AD K-K-R/ L2525-4 T22	●	●	25	25	150	25.4	22																					
AD K-K-R/ L3232-4 T10	●	●	32	32	170	32.4	10																					
AD K-K-R/ L3232-4 T22	●	●	32	32	170	32.4	22																					
AD K-K-R/ L2020-5 T20	●	●	20	20	125	20.5	20	AGD. -6 MGM. -6														2004- M8x1x20	-	AAL-05- 4				
AD K-K-R/ L2525-5 T15	●	●	25	25	150	25.5	15																					
AD K-K-R/ L2525-5 T18	●	●	25	25	150	25.5	18																					
AD K-K-R/ L2525-5 T25	●	●	25	25	150	25.5	25																					
AD K-K-R/ L3232-5 T15	●	●	32	32	170	32.5	15																					
AD K-K-R/ L3232-5 T25	●	●	32	32	170	32.5	25	AGD. -8 / MGM. -8										2004- M8x1x20	-	AAL-05- 4								
AD K-K-R/ L2525-6 T15	●	●	25	25	150	25.6	15																					
AD K-K-R/ L2525-6 T25	●	●	25	25	150	25.6	25																					
ADKT-K-R/ L3232-6 T25	●	●	32	32	170	32.6	25	AGD. -8 / MGM. -8																		2004- M8x1x20	-	AAL-05- 4
AD K-K-R/ L3232-8 T32	●	●	32	32	170	32.8	32																					

R: Sağ / Right L: Sol / Left

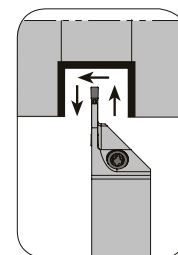
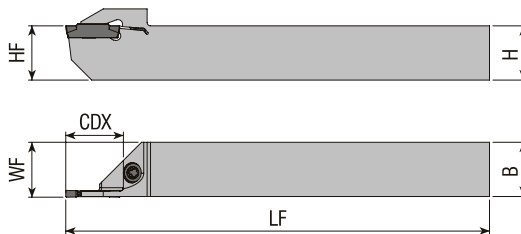
● Stokta / In Stock ○ Stokta Yok / Non Stock Item

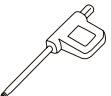
Sipariş Örneği/Ordering Example/Bestellbeispiel
1 ad./pcs. /stück ADKT-K-R-1212-1.5-T15



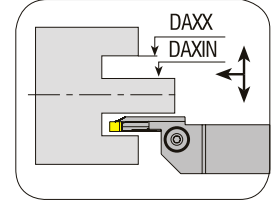
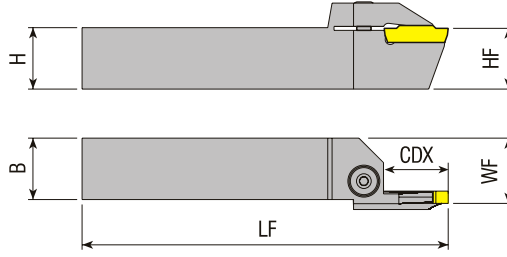
Takım Kodu Ordering Code Bestell-Bezeichnung	Stok Stock		Takım Ölçüleri (mm) Dimension (mm)					Kesici Uç Insert	Yedek Parçaları / Spare Parts		
	R	L	HF=H	B	LF	WF	CDX		Sıkma Vidası Screw	Pul Stamp	Anahtar Allen Key
											
ADKT-K-R/L-2020-3-T20-H	●	●	20	20	125	20.4	20	AGD. -3 MGM. -3	2004- M8x1x20	-	AAL-05-4
ADKT-K-R/L-2525-3-T22-H	●	●	25	25	150	25.4	22				
ADKT-K-R/L-2020-4-T20-H	●	●	20	20	125	20.4	20	AGD. -4 MGM. -4			
ADKT-K-R/L-2525-4-T22-H	●	●	25	25	150	25.4	22				
ADKT-K-R/L-2525-5-T25-H	●	●	25	25	150	25.5	25	AGD. -5 / MGM. 5			

DIŞ ÇAP KANAL AÇMA İSVİÇRE TİPİ KAYAR OTOMAT MAKİNA TAKIMLARI
EXTERNAL GROOVING TOOLHOLDERS FOR SWISS TYPE SLIDING AUTOMATIC LATHES
WERKZEUGE ZUR STECHBEARBEITUNG AUF LANGDREHAUTOMATEN



Takım Kodu Ordering Code Bestell-Bezeichnung	Stok Stock		Takım Ölçüleri (mm) Dimension (mm)					Kesici Uç Insert	Yedek Parçaları / Spare Parts		
	R	L	HF=H	B	LF	WF	CDX		Sıkma Vidası Screw	Pul Stamp	Anahtar Allen Key
											
ADKT-K-R/L-1212-2-R12-K-S	●	●	12	12	125	12.20	12	AGD. -2 MGM. -2	4015- M4x11	-	80-T15
ADKT-K-R/L-1616-2-R16-K-S	●	●	16	16	125	16.20	16				
ADKT-K-R/L-1212-3-R12-K-S	●	●	12	12	125	12.30	12	AGD. -3 MGM. -3			
ADKT-K-R/L-1616-3-R16-K-S	●	●	16	16	125	16.30	16				

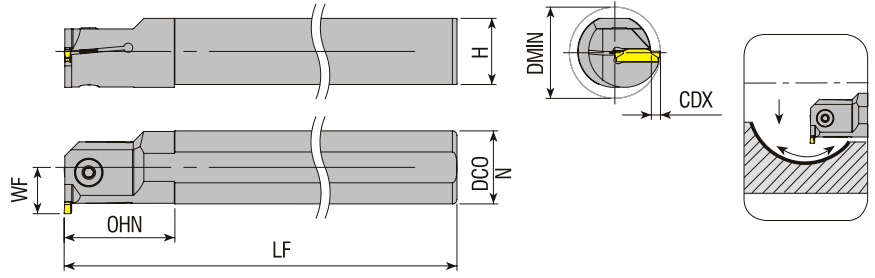
Sipariş Örneği/Ordering Example/Bestellbeispiel
1 ad./pcs./stück ADKT-K-R/L-2020-3-T20-H



Takım Kodu Ordering Code Bestell-Bezeichnung	Stok Stock		Takım Ölçüleri (mm) Dimension (mm)							Kesici Uç Insert	Yedek Parçaları / Spare Parts		
	R	L	HF=H	B	LF	WF	CDX	DAXIN	DAXX		Sıkma Vidası Screw	Pul Stamp	Anahtar Allen Key
AAKT-K-R/L-2525-34-45-3-T17	●	●	25	25	150	26.5	17	34	45	AGD. - 3 MGM. - 3			
AAKT-K-R/L-2525-39-55-3-T17	●	●	25	25	150	26.5	17	39	55				
AAKT-K-R/L-2525-49-80-3-T17	●	●	25	25	150	26.5	17	49	80				
AAKT-K-R/L-2525-70-110-3-T17	●	●	25	25	150	26.5	17	70	110				
AAKT-K-R/L-2525-100-150-3-T17	●	●	25	25	150	26.5	17	100	150				
AAKT-K-R/L-2525-80-180-3-T32	●	●	25	25	150	26.5	32	80	180				
AAKT-K-R/L-2525-175-215-3-T22	●	●	25	25	150	26.5	22	175	215				
AAKT-K-R/L-2525-700-800-3-T17	●	●	25	25	150	26.5	17	700	800	AGD. - 4 MGM. - 4	2004- M8x1x20	-	AAL-05-4
AAKT-K-R/L-2525-50-85-4-T22	●	●	25	25	150	26.5	22	50	85				
AAKT-K-R/L-2525-70-110-4-T22	●	●	25	25	150	26.5	22	70	110				
AAKT-K-R/L-2525-100-150-4-T22	●	●	25	25	150	26.5	22	100	150				
AAKT-K-R/L-2525-80-180-4-T32	●	●	25	25	150	26.5	32	80	180	AGD. - 5 MGM. - 5			
AAKT-K-R/L-2525-180-800-4-T32	●	●	25	25	150	26.5	32	180	800				
AAKT-K-R/L-2525-70-110-5-T25	●	●	25	25	150	26.5	25	70	110				
AAKT-K-R/L-2525-100-150-5-T25	●	●	25	25	150	26.5	25	100	150				
AAKT-K-R/L-2525-80-180-5-T32	●	●	25	25	150	26.5	32	80	180				
AAKT-K-R/L-2525-140-200-5-T25	●	●	25	25	150	26.5	25	140	200	AGD. - 6 MGM. - 6			
AAKT-K-R/L-2525-180-800-5-T32	●	●	25	25	150	26.5	32	180	800				
AAKT-K-R/L-2525-60-100-6-T25	●	●	25	25	150	26.5	25	60	100				
AAKT-K-R/L-2525-60-100-6-T35	●	○	25	25	150	26.5	35	60	100				
AAKT-K-R/L-2525-100-200-6-T25	●	○	25	25	150	26.5	25	100	200				
AAKT-K-R/L-2525-100-200-6-T35	●	○	25	25	150	26.5	35	100	200	AGD. - 8 MGM. - 8			
AAKT-K-R/L-2525-100-200-6-T45	●	○	25	25	150	26.5	45	100	200				
AAKT-K-R/L-2525-140-300-6-T35	●	●	25	25	150	26.5	35	140	300				
AAKT-K-R/L-2525-140-300-8-T35	●	○	25	25	150	26.5	35	140	300	AGD. - 8 MGM. - 8			
AAKT-K-R/L-3232-140-350-8-T35	●	○	32	32	150	33.5	35	140	350				

R: Sağ / Right L: Sol / Left
● Stokta / In Stock ○ Stokta Yok / Non Stock Item

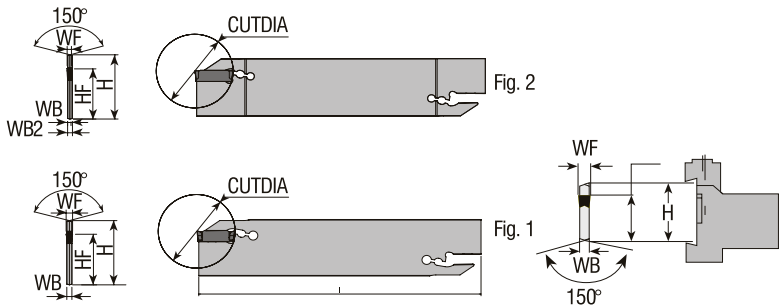
Sipariş Örneği/Ordering Example/Bestellbeispiel
1 ad./pcs./stück AAKT-K-R-2525-34-45-3-T17



Takım Kodu Ordering Code Bestell-Bezeichnung	Stok Stock		Takım Ölçüleri (mm) Dimension (mm)							Kesici Uç Insert	Yedek Parçaları / Spare Parts	
	R	L	DCON	DMIN	LF	OHN	CDX	H	WF		Sıkma Vidası Screw	Anahtar Allen Key
AIKT-K-R/ L16 -2-T4	●	●	16	21	150	28	4	14.8	12	AGD. -2 MGM. -2	2503-M4x10	AAL-03-3
AIKT-K-R/ L20 -2-T4	●	●	20	25	170	30	4	18.3	14		2503-M4x12	
AIKT-K-R/ L25 -2-T6	●	●	25	32	200	40	6	23	18.5		2504-M5x12	
AIKT-K-R/ L20 -3-T6	●	●	20	27	170	30	6	18.3	16	AGD. -3 MGM. -3	2504-M5x12	AAL-05-4
AIKT-K-R/ L20 -3-T7	●	●	20	25	170	38	7	18.3	13		2504-M5x16	
AIKT-K-R/ L25 -3-T6	●	●	25	32	200	40	6	23	18.5		2504-M5x16	
AIKT-K-R/ L25 -3-T1 0	●	●	25	32	200	48	10	23	17		2004-M8x1x20	
AIKT-K-R/ L32 -3-T6	●	●	32	39	250	50	6	30	22		2004-M8x1x20	
AIKT-K-R/ L32 -3-T1 2	●	●	32	39	250	53	12	30	22		2004-M8x1x20	
AIKT-K-R/ L40 -3-T6	●	●	40	47	300	55	6	37.5	26	AGD. -4 MGM. -4	2504-M5x12	AAL-05-4
AIKT-K-R/ L40 -3-T1 2	●	○	40	48	300	63	12	37.5	27		2504-M5x16	
AIKT-K-R/ L20 -4-T6	●	●	20	27	170	30	6	18.3	16		2504-M5x16	
AIKT-K-R/ L20 -4-T7	●	○	20	25	170	38	7	18.3	13		2504-M5x16	
AIKT-K-R/ L25 -4-T6	●	●	25	32	200	40	6	23	18.5		2004-M8x1x20	
AIKT-K-R/ L25 -4-T1 0	●	●	25	32	200	49	10	23	17		2004-M8x1x20	
AIKT-K-R/ L32 -4-T6	●	●	32	39	250	50	6	30	22	AGD. -5 MGM. -5	2504-M5x16	AAL-05-4
AIKT-K-R/ L32 -4-T1 2	●	●	32	39	250	53	12	30	22		2004-M8x1x20	
AIKT-K-R/ L40 -4-T6	●	●	40	47	300	55	6	37.5	26		2004-M8x1x20	
AIKT-K-R/ L40 -4-T1 2	●	●	40	48	300	63	12	37.5	27		2004-M8x1x20	
AIKT-K-R/ L25 -5-T7	●	●	25	33	200	40	7	23	19.5		2004-M8x1x20	
AIKT-K-R/ L32 -5-T7	●	●	32	40	250	50	7	30	23			
AIKT-K-R/ L40 -5-T7	●	●	40	48	300	55	7	37.5	27			
AIKT-K-R/ L40 -5-T1 2	●	○	40	48	300	63	12	37.5	27			

R: Sağ / Right L: Sol / Left
● Stokta / In Stock ○ Stokta Yok / Non Stock Item

Sipariş Örneği/Ordering Example/Bestellbeispiel
1 ad./pcs./stück. AIKT-K-R-16-2-T4

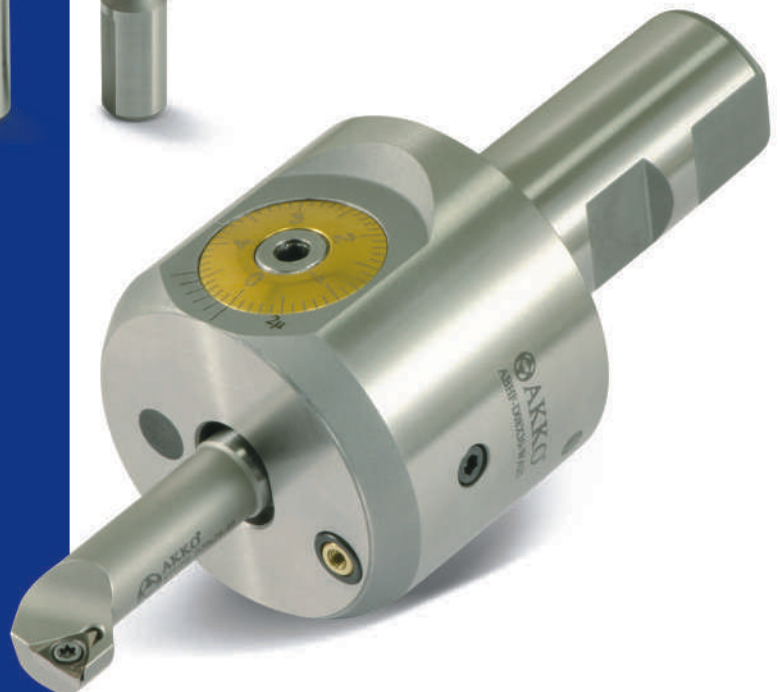
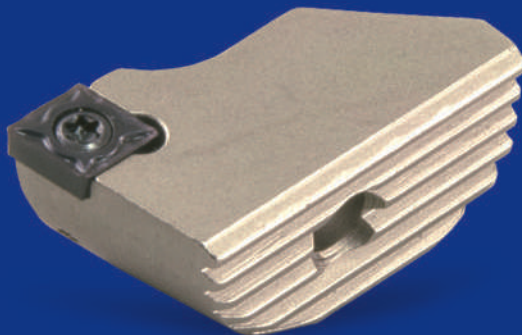


Takım Kodu Ordering Code Bestell-Bezeichnung	Stok Stock	Takım Ölçüleri (mm) Dimension (mm)							Kesici Uç Insert	Yedek Parçaları / Spare Parts
										Anahtar Allen Key
		H	WF	WB2	WB	I	HF	CUTDIA		
AKL-K-32-2	●	32	2	2.4	1.6	150	25	32	AGD. - 2 / MGM. - 2	ALA-02
AKL-K-32-3	●	32	3	2.4	-	150	25	42	AGD. - 3 / MGM. - 3	
AKL-K-32-4	●	32	4	3.2	-	150	25	42	AGD. - 4 / MGM. - 4	



BARALAR

AYARLI DELİK İŞLEME BARALARI
ADJUSTABLE BORING HEADS
EINSTELLBARE SPINDELKÖPFE



AKKO **A** **BH** **R** - **D18x22**

W16 - **L90** - **CC06**

2 Kesiş Stili / Cutter Style / Werkzeugtyp

BH : Delik İşleme / Boring Head
Spindelkopf

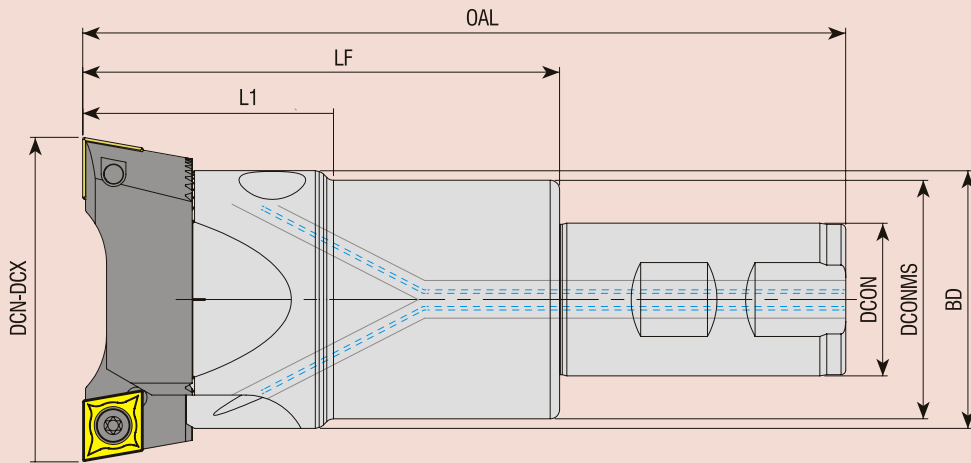
3 İşlem Tipi / Cutter Type / Einsatzgebiet

R : Kaba Baralama / Rough Boring
Schruppbearbeitung
F : Hassas Baralama / Fine Boring
Schlichtbearbeitung

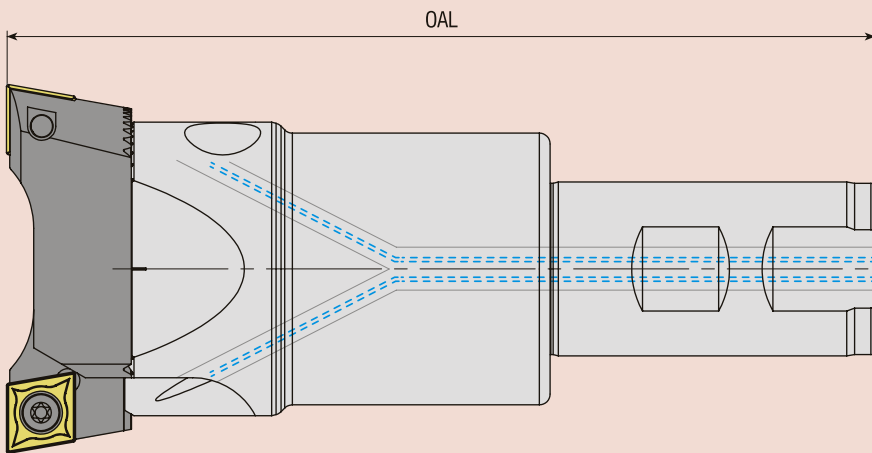
5 Montaj Formu / Assembly Form / Schaftform

W : Weldon

4 Ölçü Aralığı / Boring Range / Bohrbereich

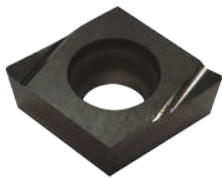


6 Takım Boyu / Tool Length / Werkzeuglänge

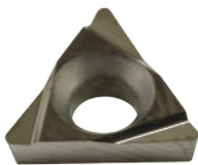


7 Kesici Uç / Insert / Wendeschneidplatte

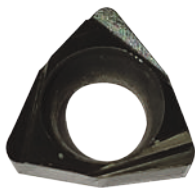
CC06 : CC.. 0602..
CC09 : CC.. 09T3..
CC12 : CC.. 1204..



EDP	DESCRIPTION / AÇIKLAMA	CUTTING SPEED Vc=m/min KESME HIZI	FEED fn=mm/rev İLERLEME
T.01.08.03.01	CCGT 09T302L-AC1020	100-200	0.15~0.3
T.01.08.03.02	CCGT 09T304L-AC1020	100-200	0.2~0.4



EDP	DESCRIPTION / AÇIKLAMA	CUTTING SPEED Vc=m/min KESME HIZI	FEED fn=mm/rev İLERLEME
T.01.08.03.01	TPGH 09T0202L-AC1020	100-200	0.15~0.3
T.01.08.03.02	TPGH 09T0204L-AC1020	100-200	0.2~0.4



EDP	DESCRIPTION / AÇIKLAMA	CUTTING SPEED Vc=m/min KESME HIZI	FEED fn=mm/rev İLERLEME
T.01.08.03.01	WCGT 020102L-AC1020	100-200	0.05~0.2
T.01.08.03.02	WCGT 020104L-AC1020	100-200	0.08~0.3



