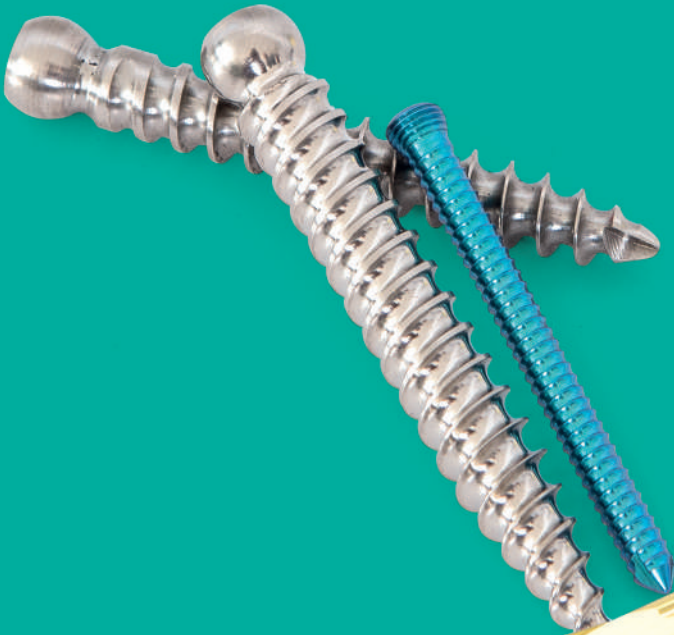


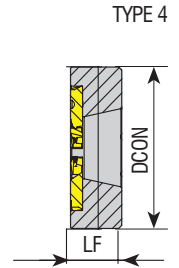
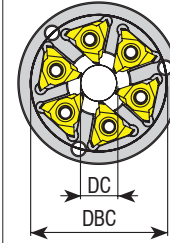
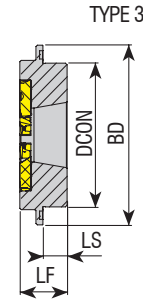
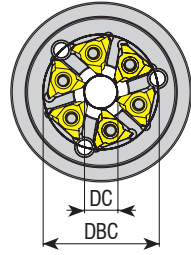
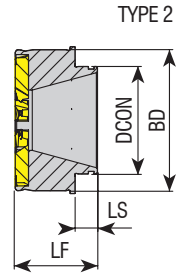
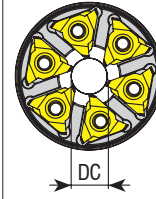
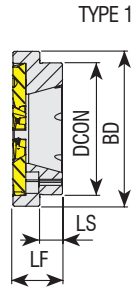
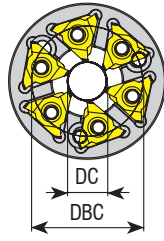
WHIRLING

WHIRLING UÇLARI ve TAKIMLARI

WHIRLING INSERTS and TOOLHOLDERS

*WENDESCHNEIDPLATTEN UND WERKZEUGHALTER ZUM
GEWINDEWIRBELN*





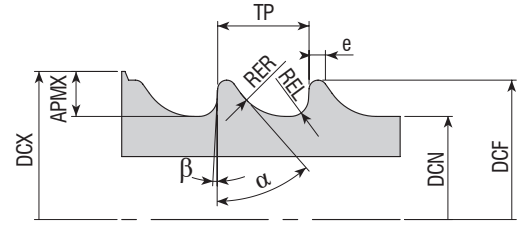
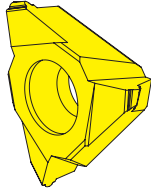
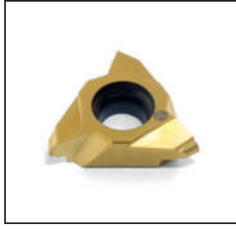
Makine Machine Maschine	Tahrikli WHIRLING Ünitesi Aggregate WHIRLING Unit Wirbelspindel	WHIRLING Ring Kodu WHIRLING Ring Code Wirbelring	Stok Stock Lager	Takım Ölçüleri (mm) Dimension (mm) Abmessung (mm)								Kesici Uç Insert Wendeschneidplatte	Yedek Parçaları / Spare Parts / Ersatzteile	
				ZEPF	DC	DCON	DBC	BD	LS	LF	TYPE		Sıkma Vidası Screw Schraube	Tork Anahtar Torx Key Torx-Schlüssel
STAR	5914 72 00/68172	VTW-301-T09-D1240-Z06	●	6	12	40	33	47	7	15	1			
CITIZEN	BTW1000	VTW-302-T09-D1233-Z06	○	6	12	33	40	47	4	18.5	-			
	GSW101	VTW-303-T09-D0620-Z06	○	6	6	20	26	35	3.2	15	1			
	MWS101/KSW101	VTW-304-T09-D1240-Z06	○	6	12	40	32.5	46	2.5	15.5	1			
	LSW101/BSW215/ LSW215315													
TORNOS	306101/307087	VTW-305-T09-D1245-Z06	○	6	12	45	30	46	9.5	18	1			
	417617	VTW-306-T09-D1240-Z06	●	6	12	40	31	57	3.5	15	-			
WTO	TN762004	VTW-307-T09-D1250-Z06	○	6	12	50	40	67	3.5	15.4	-			
	TN762006	VTW-308-T09-D1142-Z06	●	6	11	31.97	-	42	6.7	24.7	2			
TSUGAMI	3234 Y342	VTW-309-T09-D2054-Z08	○	8	20	56.5	-	54	1.5	13.8	2			
	3268 Y452	VTW-310-T09-D1252-Z06	●	6	12	52	42	65	8.7	17	3			
	3268 Y271	VTW-311-T09-D1252-Z06	○	6	12	52	44	52	10	10	3			
	3214 Y342	VTW-312-T09-D1252-Z06	○	6	12	52	38	54	6	19	3			
	3234 Y342	VTW-313-T09-D1650-Z06	○	6	16	50	40	62	8.5	20	3			
	3281-Y451	VTW-314-T09-D2052-Z06	○	6	20	52	42	65	8.7	17	3			
new HANWHA	MADAULA	VTW-315-T09-D0937-Z06	○	6	9.4	-	-	54.9	20.8	38.3	2			
		VTW-316-T09-D1252-Z06	●	6	12	52	44	52	-	17	4			
		VTW-315-T09-D1245-Z06	●	6	12	45	-	56	8.5	15	1			

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

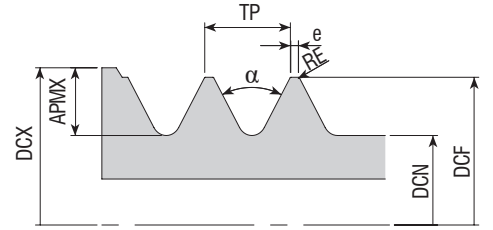
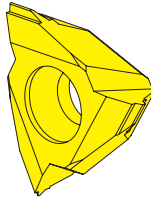
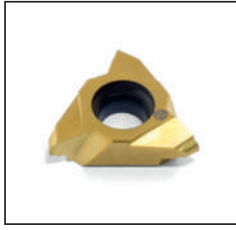
● Stokta / In Stock / Auf Lager ○ Stokta Yok / Non Stock Item / Kein Lagerartikel, Lieferzeit auf Anfrage

Sipariş Örneği/Ordering Example/Bestellbeispiel

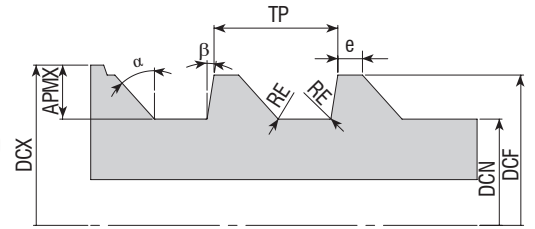
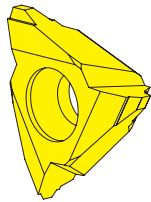
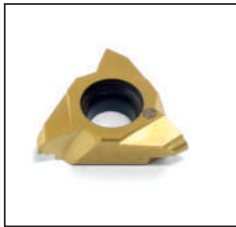
1 ad./pcs./stück VTW-301-T09-D1240-Z06



Uç Kodu Insert Code Wendepplatten-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 Wendepplatten-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



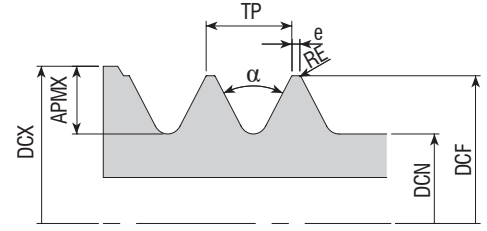
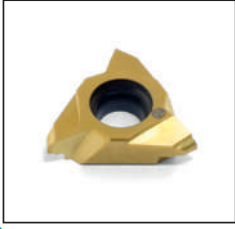
Uç Kodu Insert Code Wendepplatten-Bezeichnung	Kalite Grade Sorte		Standart ISO9268	Uç Ölçüleri (mm) Insert Dimension (mm) Abmessung (mm)								
	VK15U	VK15U01		TP	e	DCF	DCN	RE	α	β	APMX	DCX
T09.HD400.D12	○	○	HD4.0	1.59	0.1	3.97 to 4.03	2.89 to 2.95	0.01	45°	10°	4	11.5
T09.HD450.D12	○	○	HD4.5	2.18	0.1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

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

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

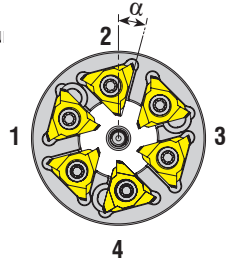
Sipariş Örneği/Ordering Example/Bestellbeispiel

1 ad./pcs./stück T09.HA150.D12



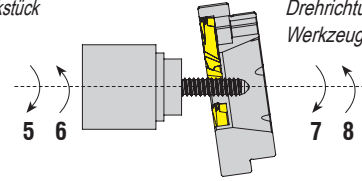
Uç Kodu Insert Code Wendeplatten-Bezeichnung	Kalite Grade Sorte		Standart DIN13	Uç Ölçüleri (mm) Insert Dimension (mm) Abmessung (mm)						
	VK15U	VK15U01		TP	DCF	DCN	a	RE	APMX	DCX
T09.M200.D12	●	●	M2	0.4	2	1.509	60	0.048	4	9
T09.M250.D12	●	●	M2.5	0.45	2.5	1.928	60	0.055	4	9.5
T09.M300.D12	●	●	M3	0.5	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 Eksenini
Y Axis
Y Oсь

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 <input type="checkbox"/>	Yok None Nein <input type="checkbox"/>	Hatve Pitch Steigung
Yüksek Basıncılı Soğutma High Pressure Coolant Hochdruckkühlung	Var Exist Ja <input type="checkbox"/>	Yok None Nein <input type="checkbox"/>	Tek Ağız One Start Eingängig
Kesme Başlangıç Pozisyonu Cutting Start Position Startposition Schneidvorgang	1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/>		İki Ağız Two Starts Zweigängig
WHIRLING Ünitesi Dönüş Yönü Turning Direction of WHIRLING Unit Drehrichtung Gewindewirbel-Werkzeug	5 <input type="checkbox"/> 6 <input type="checkbox"/>		Müşteri Adı / Customer Name / Kundennamen:
İş Parçası Dönüş Yönü Turning Direction of Workpiece Drehrichtung Werkstück	7 <input type="checkbox"/> 8 <input type="checkbox"/>		Yetkili / Responsible Person / Ansprechpartner :
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 VAV. Hinweis: Dieser Winkel beeinflusst die Leistung der Wendschneidplatte. Sollte dieser Winkel unbekannt sein, können Sie das Werkzeug zur Fa. VAV schicken.		
Not / Note / Notizen :			