



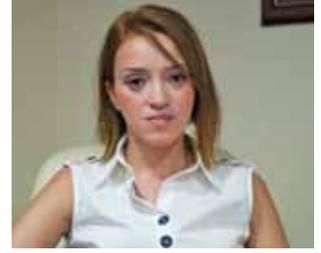
**DENTAL FREZ KATALOČU**  
DENTAL BUR CATALOG  
**DENTAL FRÄSE-KATALOG**

YÖNETİM KADROSU  
MANAGEMENT

Turgut SUBAŞI  
FİRMA SAHİBİ / **CHAIRMAN**



H. Gökhan SUBAŞI  
GENEL MÜDÜR / **GENERAL MANAGER**



Seda SUBAŞI AYDIN  
SATIŞ PAZARLAMA MÜDÜRÜ  
**SALES & MARKETING MANAGER**

BOSPHORUS Dental Frezlerinin üretiminde kullanılan ham madde dünyanın saygın, bilinen kuruluşlarından temin edilmekte ve en gelişmiş teknolojiler kullanılarak üretim gerçekleştirilmektedir.

BOSPHORUS frez üretiminin her aşamasında ISO standartlarının üstünde kalite kontrol teknikleri ile kontrol edilebilmesi, kullanıcılara daha güvenli ve daha dayanıklı ürünler sunmamızı sağlamaktadır. BOSPHORUS frezler salgısız, vibrasyonsuz, keskin ve dayanıklı üretildikleri için çok düzgün kesim yüzeyi oluşturarak mükemmel kesim etkinliği sağlar. Bir BOSPHORUS marka frez aldığınızda dünya çapında bir üreticiden yüksek kalitede bir ürün aldığınızda emin olabilirsiniz.

The raw material which has been used in production of BOSPHORUS burs have been supplied from respective and well-known companies.

Having integrated production lines for BOSPHORUS burs, provide us great deal of advantages to have higher standards and furthermore, it helps us to present more reliable and more durable products for the users with the quality control techniques beyond ISO Standards and also supervising stages of production processes. In the combination of no precession and vibration, beside sharpness and durability features of Bosphorus Burs gives you advantages of perfect cutting activity by creating smooth surfaces. When you buy a BOSPHORUS bur, be sure that you have supplied a high quality product.

Alle bei der Herstellung von BOSPHORUS Dental Diamant Fräsen verwendeten Materialien und Rohstoffe, werden von weltrenommierten Institutionen besorgt und durch Inanspruchnahme modernster Technik produziert. Der Schaft der Fräsen wird aus rostfreiem Stahl hergestellt, das entsprechend den Anwendungsbedingungen gehärtet wurde. Die Herstellung des Schafts und die Diamanten-Beschichtungsbehandlungen erfolgen im Ganzen bei uns im Werk. Diese Integration unserer Produktion; durch den Vorteil, dass die Herstellung der BOSPHORUS-Fräsen in jeder Phase einer Qualitätskontrolle unterzogen wird, die einem höheren Standart als entsprechende ISO-Normen vorsagen, ermöglicht uns, sicherer und langlebiger Produkte anzubieten. Da die BOSPHORUS-Fräsen durchhangfreier, vibrationsfreier, spitzer und robuster hergestellt werden, haben sie eine sehr glatte Schnittfläche und ermöglichen eine perfekte Schneidekompetenz. Wenn Sie eine Fräse der Marke BOSPHORUS kaufen, können Sie sich vergewissern, ein Produkt weltweit hochwertiger Qualität gekauft zu haben. Wir freuen uns, Ihnen die Marke BOSPHORUS, die Sie aufgrund ihres intensiven Diamantengewebes und angewendeter effektiver Beschichtungstechnik mehrmals mit gleicher Leistung verwenden werden, anbieten zu können.



# Elmas Dental Frezler

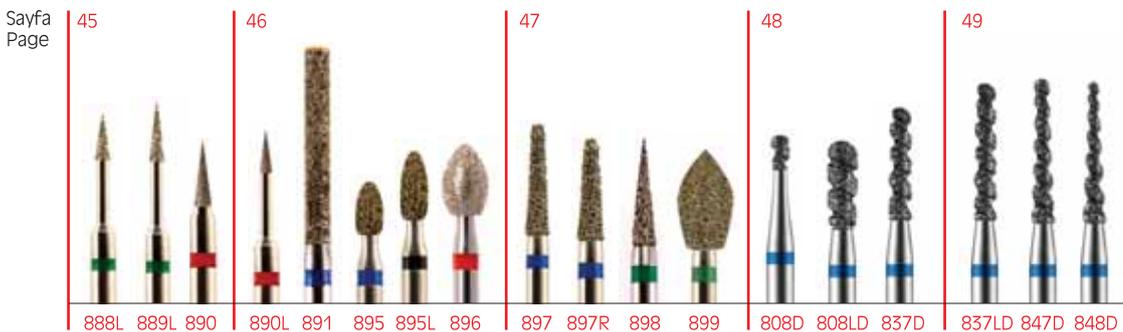
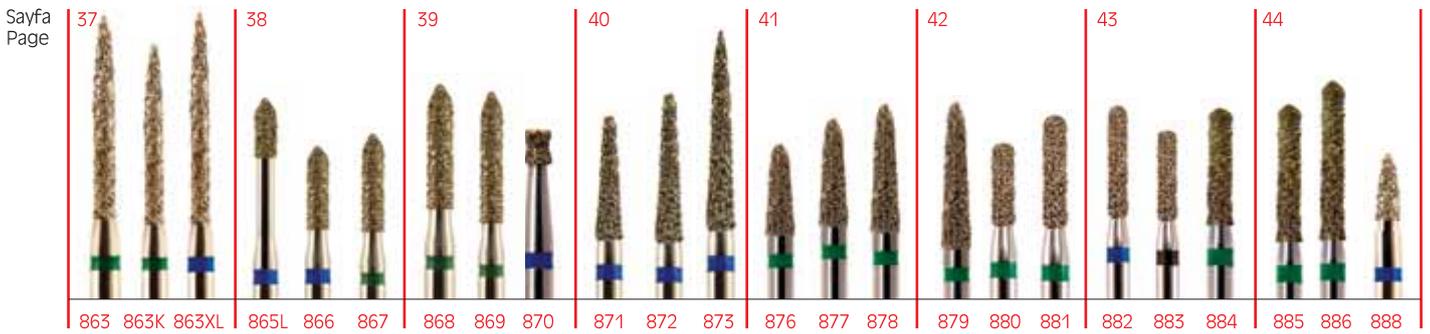
Diamond Dental Burs

Diamant DentalFräsen





# Elmas Dental Frezler / Diamond Dental Bur / Dental Diamant Fräsen





## Elmas Dental Frezlerin Özellikleri / Features of Diamond Dental Burs

### UYGULAMA

- Kavite açma ve kaplama preparasyonlarında,
- Sert materyallerin (diş dolgu işlemlerinde)

#### Kalite:

- Özel seçilmiş elmas
- Modern elmas kaplama işlemi
- 6 değişik elmas boyutunda
- Standard, güvenilirlik ve etkili kaplama

#### Kullanım Metodları:

- Yapılacak preparasyona göre doğru frez seçildiğinden emin olunuz. (şekil, boyut ve elmas grip tipi)
- Frez gövdenin fazla zorlanmadan olabildiğince derin olarak türbin başlığı yuvasına yerleştirildikten sonra güvenli kullanım için hazır olup olmadığından ve başlık tarafından yeterince kavrandığından emin olunuz.
- Optimum performans için; doğru hız seçimi için 10. sayfadaki devir tablosunu inceleyiniz ve frezleri önerilen devirlerde kullanınız. Haddinden fazla hızlarda kullanım, diş etine ve canlı dokulara zarar verebilir ayrıca aynı durumla operasyon sırasında yeterli su verilmezse de karşılaşılabilmektedir.
- Haddinden fazla hızda kullanım geniş kafalı frezlerin şeklini bozabilir ve kırılma riskini artırır.
- Preparasyon sırasında gereksiz baskı uygulamayınız. Frezlerin, operasyonun durumuna göre tavsiye edilen baskı aralığı 0,3-2N arasındadır. Aşırı baskı, preparasyonu olumsuz yönde etkiler ve frezin kırılma riskini artırır.
- Parçanın max süreyle kullanılmasını sağlamak için preparasyon sırasında minimum temas önemlidir.
- Operasyon sırasında frez 1500 devirde dönüyorsa yeterli soğumanın yapılabilmesi için kullanılacak minimum su miktarı 50ml/dk.'dır. Frezler 19 mm.'den büyük ve çapı 1,8 mm ise dışarıdan ekstra soğutma gerekir.
- Yapılan operasyona bağlı olarak; koruyucu gözlük takılması tavsiye olunur.
- Frezleri standta veya tepside tutmak şekillerinin bozulmasına yol açabilir.
- Kullanmış olduğunuz Bosphorus elmas frezle üzerinde takip edilebilirliği sağlamak için üretim lot numarası verilmiştir. Bu ürünle ilgili oluşabilecek her türlü sorunda, bu lot numarasıyla üretici firmaya şikayetlerinizi bildirebilirsiniz.
- Körelmiş, hasarlı, eğilmiş veya eksenini bozulmuş frezleri hemen yok ediniz. Bunlar, preparasyonunuzu olumsuz etkileyecek ve türbin başlığınızın bozulmasına sebep olacaktır.
- Frezin gereğinden fazla sürede dezenfektanda bırakılması dayanımını olumsuz olarak etkileyip, elmasların dökülmesine sebep olabilir.

### APPLICATION

- For cavity & covering preparations
- For filling preparations solid materials(teeth)

#### Quality:

- Specially chosen natural diamond
- Modern diamond plating process
- In 6 different diamond grits
- Standard, reliable and effective plating

#### Instructions:

- Make sure that the right bur is chosen for the intended preparation (shape, diameter and grit size)
- Affix the bur gently to turbine as much as it is fixed, afterwards check readiness for safe using and whether it is safely clutched.
- In order to have optimum performance and determination for proper speed, it is suggested to examine "recommended speed for burs" table on page 10 and use the burs as recommended. Over speed may damage tissue and gingiva; also, the same situation may occur if sufficient water is not provided during the operation.
- Over speed may damage form of large head burs and increase risks of breaking.
- During preparation, do not use it with too much pressure. Recommended pressure is between 0,3-2N. Over pressure, effects the preparation in negative way and increases risks of breaking.
- Be aware that in order to provide long lifetime for the burs, minimum contact is very important during preparation.
- During operation ,When the bur is turning at 1500 rpm, in order to provide enough cooling; minimum water amount should be 50 ml/min. In case, if total length of burs are longer than 19mm and its diameter is 1,8 mm or over extra cooling is extremely recommended.
- Depending on the operation, it is recommended that protective goggles should be used.
- Keeping the burs on stand or on tray may cause damage of their shapes.
- Bosphorus burs ,which you have been used is defined by lot numbers in order to provide traceability. In case of any problem regarding the product, you may submit your complaints to the producer, by using its lot numbers.
- Remove burs immediately which are rusty, damaged, bended. It may effect your preparation in negative way and may damage of tribune head.
- Remaining the burs in solution for along time may effect the burs in negative way,and it may cause spilling the diamonds over.

## ANWENDUNG

- Bei Kavitation und Verblendungspreparationen,
- Bei Plombe (Zahn) von harten Materialien

### Qualität:

- Gesondert ausgewählter Diamant
- Moderne Diamanten-Verblendungsbehandlung
- In verschiedenen Diamanten - Größen
- Standard, zuverlässig und effektive Verblendung

### Verwendungsmethoden:

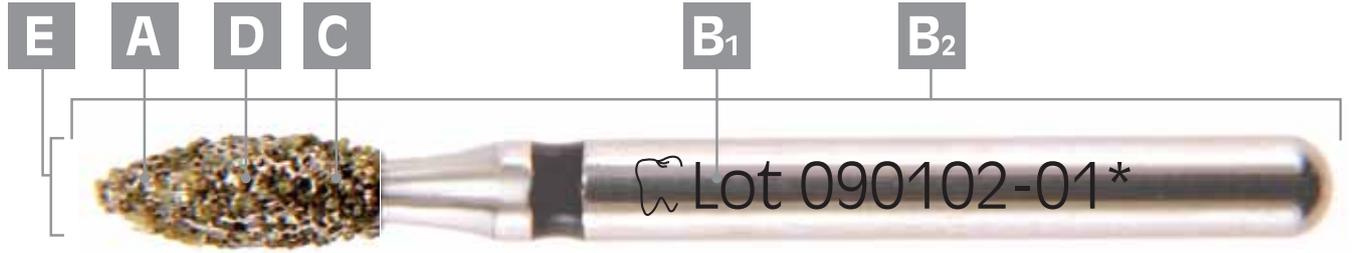
- Vergewissern Sie sich, je nach durchzuführender Preparation die richtige Bohrer gewählt zu haben. (Form, Größe und Diamantengröße)
- Vergewissern Sie sich ob die Schaft nach dem mehrdruckarmen, möglichst tieferen Auflegen in die Buchsedes Turbinenkopfes für eine sichere Verwendung bereit ist und vom Kopf gut gegriffen wird.
- Für eine optimale Leistung prüfen Sie beim Wählen der richtigen Geschwindigkeit die auf nachstehender Tabelle empfohlenen Geschwindigkeiten gena durch und verwenden Sie die Bohrer nur bei empfohlenen Geschwindigkeiten. Die Verwendung mehr als nötig kann die lebendigen Gewebe bzw. Zahnfleisch beschädigen. Auch wenn man bei der Operation kein ausreichendes Wasser zufließen lässt, kann es zum gleichen Fall kommen.
- Eine mehr als nötige Verwendung kann die Breitköpfigen Bohrer deformieren und erhöht das Bruchrisiko.
- Bei Preparation keinen unnötigen Druck ausüben. Das je nach der Lage der Operation empfohlene Druckintervall der Fräse beträgt 0,3-2N. Der Mehrdruck beeinträchtigt die Preparation und erhöht das Bruchrisiko der Fräse.
- Bei Preparation ist der minimale Kontakt wichtig, um die langfristige Nutzung des Teiles zu sichern.
- Wenn sich die Fräsen während der Operation mit einer Drehzahl von 1500 dreht, beträgt die zu verwendende Wassermenge 50 ml/min, um genügend Abkühlung vorzunehmen. Wenn die Fräsen größer als 19mm sind und deren Durchmesser 1,8 mm sind, so ist dann eine zusätzliche externe Abkühlung erforderlich.
- In Abhängigkeit von der durchzuführenden Operation wird empfohlen, Schutzbrillen zu tragen.
- Das Aufbewahren von Fräsen auf dem Stand oder Brett kann zu Verformungen führen.
- Um für die Rückverfolgbarkeit von Bosphorus Diamant Fräsen zu sorgen, ist eine Productlotnummer angegeben. Bei einer Beschwerde im Bezug auf dieses Product können Sie sich mit dieser Lotnummer an die Firma wenden.
- Gestumpfte, beschädigte, gekrümmte oder an der Achse defekte Bohrer sofort vernichten. Diese beeinträchtigen Ihre Preparation und führen zur Störung Ihres Turbinenkopfes.



## Numaralandırma Sistemi / Enumerating System / Nummerierungs System

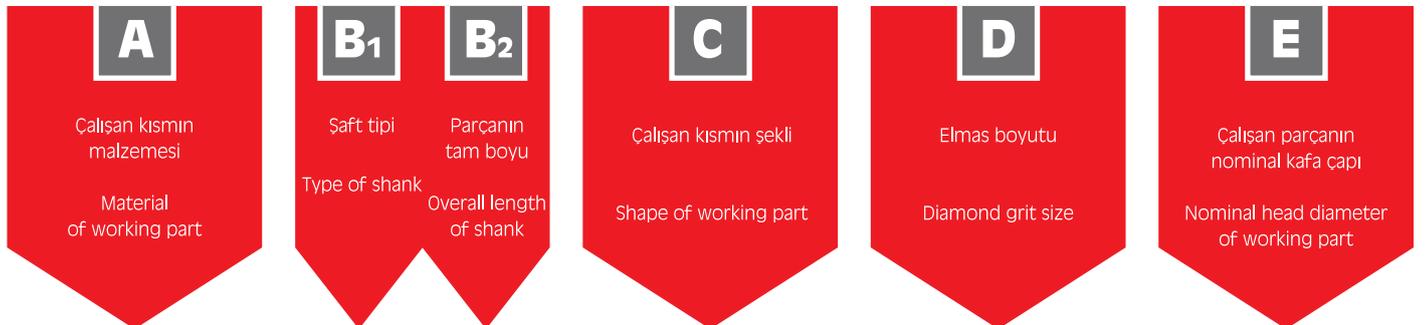
**ISO numarası parçanın tipini tarif eder.** / ISO number describes types of parts.  
ISO Nummer beschreibt den Typ der Teile.

<b>A</b> Çalışan kısmın malzemesi Material of working part Verblendungsmaterial des anlaufenden Teiles	<b>B<sub>1</sub></b> Şaft tipi Type of shank Schaft-Typ	<b>B<sub>2</sub></b> Parçanın tam boyu Overall length of shank Länge über alles
<b>C</b> Çalışan kısmın şekli Shape of working part Die genaue Größe des Teiles	<b>D</b> Elmas boyutu Diamond grit size Kopftyp und Form des Teiles	<b>E</b> Çalışan parçanın nominal kafa çapı Nominal head diameter of working part Kopfdurchmesser des Teiles



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- Bosphorus burs, which you have been used are defined by lot numbers in order to provide traceability. In case of occurring any problems regarding this product, you may submit your complaints to the producer company with these lot numbers.

Örnek ISO Şeması / Sample of ISO Chart / ISO - Schema Muster



806

31 4  
314

257

524

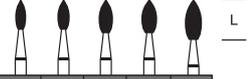
021  
2,1 mm

**ISO NO. 806 314 257 524 021**

# Nasıl Sipariş Verilir? / How to Place an Order? Wie Soll Man Bestellen?

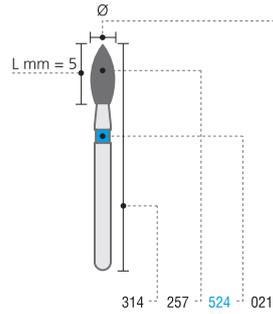
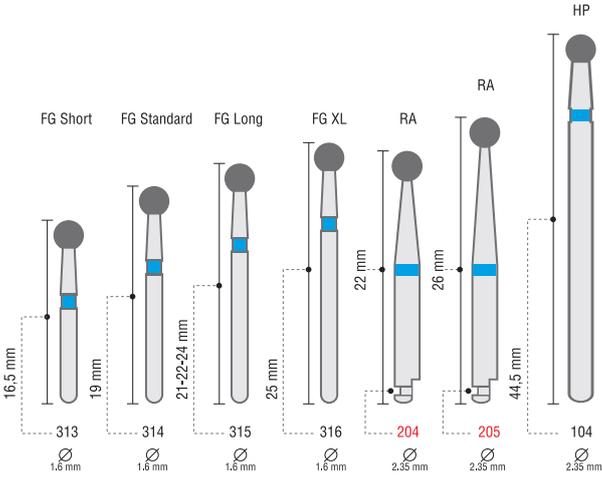


## 830



Şaft Tipi Shank Type Schaft Typ		Şekil Figure Bild	ISO-No.	Şaft Kafa Boyu (Lmm) Shank Head Length (Lmm) Schaft Kopfgröße (Lmm)				
				4,5	4,5	5,0	5,0	6,0
FG	Standard		830	806 314 257 524	016	018	021	023
			830H	806 314 257 544	016	018		023
			830G	806 314 257 534	016	018		023
			830F	806 314 257 514	016	018	021	023
			830C	806 314 257 504	016	018	021	023
RA		830G	806 204 257 534				023	
		830F	806 204 257 514				023	
		830C	806 204 257 504				023 025	
HP		830	806 104 257 524				023	
		Şekil / Renk Figure / Color Bilde / Farbe	Şaft Boyu Shank Length Schaftgröße	Kafa Çapı Head Diameter Kopfdurchmesser				
<b>FG</b>		<b>830 C</b>	<b>ISO314=19mm**</b>	<b>1,6 mm</b>				
<b>FG/830-016C</b>								

\*\*



Örnek:  
314 Şaft tipi ve parçanın toplam boyu  
257 Çalışan kısmın şekli  
524 Elmas boyutu  
021 Çalışan kısmın nominal kafa çapı  
L mm Çalışan kısmın boyu

Example:  
314 Shank type and overall length  
257 Shape of working part  
524 Grit size of diamond  
021 Diameter of the working part  
L mm Length of the working part

Renkler / Colours	ISO No.	Boyut / Size	
	544	151 µm	Süper Kaba / Super Coarse
	534	126 µm	Kaba / Coarse
	524	107 µm	Orta / Medium
	514	54 µm	İnce / Fine
	504	20 µm	Süper İnce / Super Fine
	494	10 µm	Ekstra İnce / Extra Fine

	Kavite preparasyonları Cavity preparation Kavitätenpräparation		Kron ve köprü tekniği Crown and bridge technique Kronen-/Brückentechnik	Çeşitli kron preparasyon tipleri Various types of crown preparation Varianten der Kronenpräparation	
	Kron preparasyonları Crown preparation Kronenpräparation		Akrilik tekniği Acrylic technique Kunststofftechnik		Model yapımı Model fabrication Modellherstellung
	Eski dolgunun çıkarılması Removal of old fillings Ausbohren alter Füllungen		Model döküm tekniği Model casting technique Modellgusstechnik		Diş ortopedisi Gnatho-orthopaedics KFO
	Prophylaxis Prophylaxe		Ağız cerrahisi Oral surgery Kieferchirurgie		

## FG-RA Elmas Frezler için Tavsiye Edilen Devir Hızları

Recommended Speed for FG-RA Diamond Burs / Empfohlene Geschwindigkeit für Burs

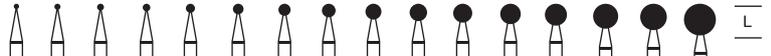
Kafa Çapı Head Diameter	FG		RA	
	min <sup>-1</sup>	m/s	min <sup>-1</sup>	m/s
007	300.000	11	160.000	6
008	300.000	13	160.000	7
009	300.000	14	160.000	8
010	300.000	16	160.000	8
012	300.000	19	160.000	10
014	300.000	22	160.000	12
016	280.000	23	160.000	13
018	250.000	24	160.000	15
021	210.000	23	160.000	18
023	190.000	23	160.000	19
025	180.000	24	120.000	16
027	160.000	23	120.000	17
029	150.000	23	120.000	18
031	150.000	24	120.000	19
033	120.000	21	120.000	21
035	120.000	22	120.000	22
037	120.000	23	120.000	23
040	100.000	21	100.000	21
042	100.000	22	100.000	22
045	80.000	19	80.000	19
047	80.000	20	80.000	20
050	80.000	21	80.000	21
055	80.000	22	80.000	22
060	60.000	19	60.000	19
065	60.000	20	60.000	20
070	60.000	22	60.000	22
078	50.000	20	50.000	20
100	45.000	22	45.000	22





## Elmas Dental Frezler / Diamond Dental Burs / Diamant Dental Fräsen

### 801



Şaft		Şekil	ISO no	(Lmm)	0,7	0,8	0,9	1,0	1,2	1,4	1,6	1,8	2,1	2,3	2,5	2,7	2,9	3,3	3,5	4,2		
FG	Standard					801	806 314 001 524	007	008	009	010	012	014	016	018	021	023	025	027	029	033	035
		801H	806 314 001 544								014	016	018	021	023	025	027	029				
		801G	806 314 001 534				009	010	012	014	016	018	021	023	025	027	029					
		801F	806 314 001 514	007		008	009	010	012	014	016	018	021	023	025	027	029	033	035	042		
		801C	806 314 001 504	007		008	009	010	012	014	016	018	021	023	025	027	029	033	035			
801U	806 314 001 494				010	012			016				023	025								
FG	Short		801	806 313 001 524				010	012	014												
FG	L		801	806 315 001 524				010	012	014	016	018										
			801H	806 315 001 544							014	016	018		023							
			801G	806 315 001 534							014	016	018		023							
FG	XL		801	806 316 001 524				010	012	014	016	018										
			801H	806 316 001 544							014	016	018		023							
			801G	806 316 001 534							014	016	018		023							
RA	Ø2,35 mm		801	806 204 001 524			009	010	012	014	016	018	021	023		027		033				
			801F	806 204 001 514							014	016	018		023				033			
			801C	806 204 001 504					012						023							
HP	Ø2,35 mm		801	806 104 001 524			009	010	012	014	016	018	021	023		027		033				
			801F	806 104 001 514				010			014	016	018	021	023				033			
			801C	806 104 001 504											023							

### 802



Şaft		Şekil	ISO no	(Lmm)	3,0	3,0	3,0	3,0	3,5	3,5	3,5	4,0
FG	Standard					802	806 314 002 524	009	010	012	014	016
		802G	806 314 002 534			010	012	014	016			
RA	Ø2,35 mm		802	806 204 002 524			012					
HP	Ø2,35 mm		802	806 104 002 524						018		023



## 805



Şaft		Şekil	ISO no	(Lmm)	0,9	1,0	1,5	1,5	1,5	2,3	2,3	2,5	2,5
					009	010	012	014	016	018	021		
FG	Standard	Ø1,6 mm 	805	806 314 012 524									
			805H	806 314 012 544									
			805G	806 314 012 534		010	012	014	016	018			
			805F	806 314 012 514		010		014					
			805C	806 314 012 504			012	014					
FG	Short	Ø1,6 mm 	805	806 313 012 524			012						
RA		Ø2,35 mm 	805	806 205 001 524		010	012	014	016	018	021	025	027
HP		Ø2,35 mm 	805	806 104 001 524	009	010	012	014	016	018	021	025	027

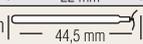
## 806



Şaft		Şekil	ISO no	(Lmm)	2,5	2,5	3,0	3,0	3,0	3,0	3,5
					009	010	012	014	016	018	
FG	Standard	Ø1,6 mm 	806	806 314 019 524							
			806G	806 314 019 534			010	012	014	016	
HP		Ø2,35 mm 	806	806 104 019 524			012	014			021

## 807



Şaft		Şekil	ISO no	(Lmm)	3,5	3,5	4,0	5,0	5,0	6,0	7,0
					012	014	016	018			
FG	Standard	Ø1,6 mm 	807	806 314 225 524							
			807G	806 314 225 534			014	016	018		
RA		Ø2,35 mm 	807	806 204 225 524			016				
HP		Ø2,35 mm 	807	806 104 225 524				018	021	023	025

## Elmas Dental Frezler / Diamond Dental Burs / Diamant Dental Fräsen

### 808



Şaft		Şekil	ISO no	(Lmm)	2,7	2,7	2,7	2,7	3,0	3,0		
FG	Standard		808	806 314 233 524			009	010	012	014	016	
			808H	806 314 233 544					012	014		
			808G	806 314 233 534					010	012	014	016
			808F	806 314 233 514				009	010	012	014	
			808C	806 314 233 504				009	010	012	014	
FG	Short		808	806 313 233 524			010					
RA			808	806 204 233 524	008		010	012				

### 808L



Şaft		Şekil	ISO no	(Lmm)	4,0	4,0	5,0	5,0	5,0	8,0	
FG	Standard		808L	806 314 234 524		010	012	014	016	018	
			808LH	806 314 234 544				014	016		
			808LG	806 314 234 534				012	014	016	018
			808LF	806 314 234 514				012	014		
			808LC	806 314 234 504				012	014		
HP			808L	806 104 234 524						025	

### 808R



Şaft		Şekil	ISO no	(Lmm)	4,0	5,0	5,0	5,0			
FG	Standard		808R	806 314 238 524		012	014	016	018		
			808RH	806 314 238 544				014	016	018	
			808RG	806 314 238 534				012	014	016	018
			808RF	806 314 238 514				012	014	016	018
								012	014	016	018



## 809



Şaft		Ø1,6 mm	19 mm	Şekil	ISO no	(Lmm)	2,0	2,0
FG	Standard	Ø1,6 mm	19 mm	809	806 314 232 524		008	009

## 809R



Şaft		Ø1,6 mm	19 mm	Şekil	ISO no	(Lmm)	2,7	2,7	2,7	2,7	2,7
FG	Standard	Ø1,6 mm	19 mm	809R	806 314 238 524		010	012	014	016	018
				809RH	806 314 238 544			012	014	016	018
				809RG	806 314 238 534		010	012	014	016	
				809RF	806 314 238 514		010	012	014		

## 811



Şaft		Ø1,6 mm	19 mm	Şekil	ISO no	(Lmm)	4,0
FG	Standard	Ø1,6 mm	19 mm	811	806 314 038 524		033
				811H	806 314 038 544		033
				811G	806 314 038 534		033
				811F	806 314 038 514		033

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### 811L



Şaft	Şekil	ISO no	(Lmm)	7,0
FG Long		811L	806 315 039 524	037
		811LH	806 315 039 544	037
		811LG	806 315 039 534	037
		811LF	806 315 039 514	037

16

### 813



Şaft	Şekil	ISO no	(Lmm)	3,0
HP		813	806 104 014 524	060

### 815



Şaft	Şekil	ISO no	(Lmm)	0,5	0,5	0,5	0,6	0,6	2,0	2,5
FG Standard		815	806 314 042 524	012	014	018	023	035	050	
RA		815	806 204 042 524							060



## 818



Şaft		Şekil	ISO no	(Lmm)	0,6	0,6	0,6	0,6
FG	Standard	Ø1,6 mm 	818	806 314 041 524			045	050
RA		Ø2,35 mm 	818	806 204 041 524			050	
HP		Ø2,35 mm 	818	806 104 041 524		042		078

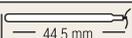
## 819



Şaft		Şekil	ISO no	(Lmm)	2,5	2,5	2,5
FG	Standard	Ø1,6 mm 	819	806 314 044 524	012	014	018

## 825



Şaft		Şekil	ISO no	(Lmm)	0,4	0,6	0,8	0,8	0,8
FG	Standard	Ø1,6 mm 	825	806 314 304 524	016	023	042	050	
RA		Ø2,35 mm 	825	806 204 304 524				050	
HP		Ø2,35 mm 	825	806 104 465 524		023		050	065

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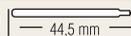
### 826



Şaft		Şekil	ISO no	(Lmm)	2,0
FG	Standard	Ø1,6 mm 	826	806 314 310 524	016

### 830

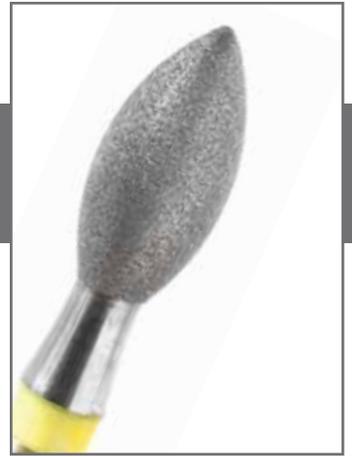


Şaft		Şekil	ISO no	(Lmm)	4,5	4,5	5,0	5,0	6,0
FG	Standard	Ø1,6 mm 	830	806 314 257 524		016	018	021	023
			830H	806 314 257 544		016	018	021	023
			830G	806 314 257 534		016	018		023
			830F	806 314 257 514		016	018	021	023
			830C	806 314 257 504		016	018	021	023
RA		Ø2,35 mm 	830G	806 204 257 534					023
			830F	806 204 257 514					023
			830C	806 204 257 504					023
HP		Ø2,35 mm 	830	806 104 257 524				023	

### 830L



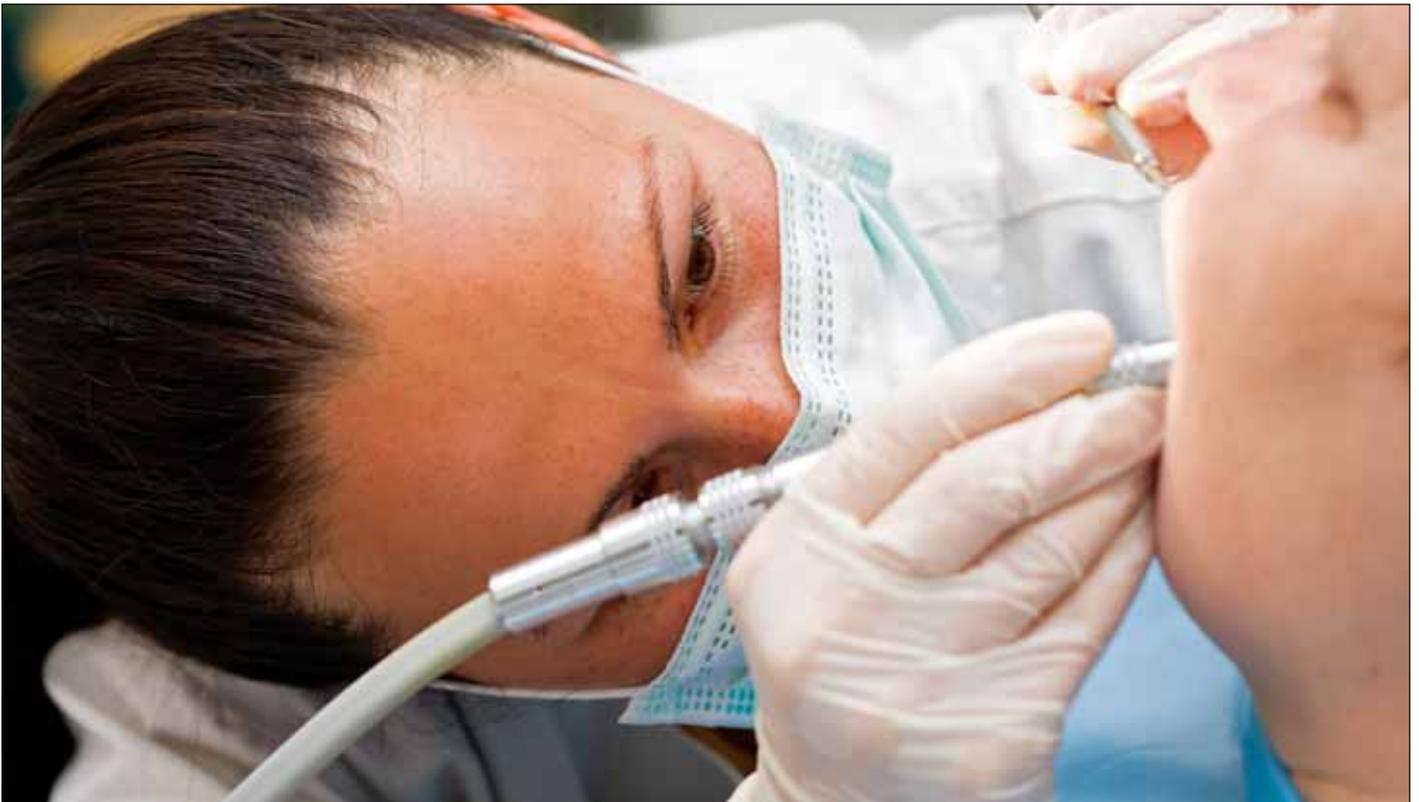
Şaft		Şekil	ISO no	(Lmm)	5,0
RA		Ø2,35 mm 	830LF	806 204 258 514	014
			830LC	806 204 258 504	014



**831**



Şaft			Sekil	ISO no	(Lmm)	3,5	3,5
FG	Standard	Ø1,6 mm 	831	806 314 254 524		016	018
			831H	806 314 254 544		016	018
			831G	806 314 254 534		016	018
			831F	806 314 254 514		016	018
			831C	806 314 254 504		016	018
			831U	806 314 254 494		016	018
RA		Ø2,35 mm 	831G	806 204 254 534		016	



## Elmas Dental Frezler / Diamond Dental Burs / Diamant Dental Fräsen

### 833



Şaft		Şekil	ISO no	(Lmm)	2,8	2,8	3,4	3,4	4,2	4,2	
FG	Standard		833	806 314 277 524			014	016	018	023	
			833H	806 314 277 544			014	016	018	023	
			833G	806 314 277 534			014	016	018	023	
			833F	806 314 277 514		012	014	016	018	021	023
			833C	806 314 277 504			014	016	018	023	
			833U	806 314 277 494			014	016		023	
RA			833F	806 204 277 514						023	

### 833K

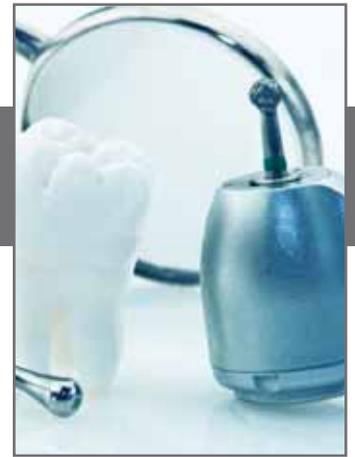


Şaft		Şekil	ISO no	(Lmm)	4,2
FG	Standard		833KH	806 314 272 544	024

### 833L



Şaft		Şekil	ISO no	(Lmm)	5,0
FG	Standard		833L	806 314 278 524	018



## 834



Şaft		Ø1,6 mm	Şekil	ISO no	(Lmm)	6,0	6,0	6,0
FG	Long	21 mm	834	806 315 552 524		016	018	021

## 834A



Şaft		Ø1,6 mm	Şekil	ISO no	(Lmm)	3,5
FG	Standard	19 mm	834A	806 314 242 524		031

## 835



Şaft		Ø1,6 mm	Şekil	ISO no	(Lmm)	3,0	3,0	3,0	3,5	3,5	3,5	3,5	3,5	3,5	
FG	Standard	19 mm	835	806 314 108 524		007	008	009	010	012	014	016	018		
			835H	806 314 108 544					010	012	014	016	018		
			835G	806 314 108 534					009	010	012	014	016	018	
			835F	806 314 108 514				008		010	012	014			
			835C	806 314 108 504							012				
FG	Short	16,5 mm	835	806 313 108 524			008	009	010	012	014				
			835H	806 313 108 544						012					
			835G	806 313 108 534						010	012				
RA		22 mm	835	806 204 108 524		007	008	009	010	012	014	016	018		
HP		44,5 mm	835	806 104 108 524					010	012	014		035		

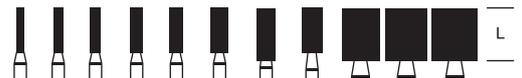
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### 836

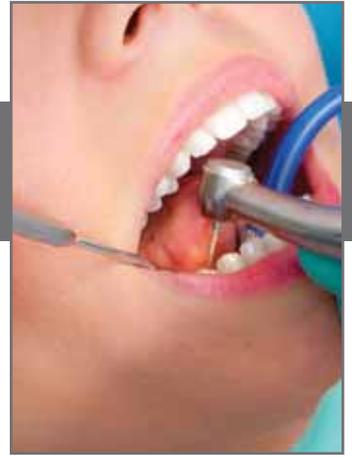


Şaft	Şekil	ISO no	(Lmm)	4,0	4,0	4,0	5,0
FG	Standard	836	806 314 109 524	012	014	018	021
		836G	806 314 109 534		014		
		836C	806 314 109 504	012			
RA		836	806 204 109 524		014		021

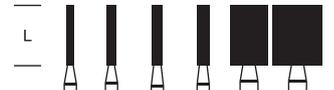
### 837



Şaft	Şekil	ISO no	(Lmm)	6,0	6,0	6,0	6,0	6,0	6,0	7,0	6,0	7,0	7,0	7,0	
FG	Long	837	806 315 110 524	010	012	014	016	018		025	027				
		837H	806 315 110 544		012	014	016	018							
		837G	806 315 110 534		012	014	016	018							
		837F	806 315 110 514		012	014	016								
		837C	806 315 110 504			014									
FG	Standard	837H	806 314 110 544		012	014									
		837G	806 314 110 534		012	014									
RA		837	806 204 110 524		012	014	016		023						
HP		837	806 104 110 524		012	014	016	018	023		027	050	055	060	
		837H	806 104 110 544								050		060		



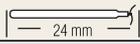
## 837L



Şaft		Şekil	ISO no	(Lmm)	8,0	8,0	8,0	8,0	8,0	8,0
FG	Long	Ø1,6 mm 	837L	806 315 111 524		010	012	014	016	
			837LH	806 315 111 544			012	014	016	
			837LG	806 315 111 534			012	014	016	
			837LF	806 315 111 514			012	014	016	
HP		Ø2,35 mm 	837L	806 104 111 524			014	016		
			837LG	806 104 111 534						050

## 837XL



Şaft		Şekil	ISO no	(Lmm)	10,0	10,0
FG	Long	Ø1,6 mm 	837XL	806 315 112 524		014
HP		Ø2,35 mm 	837XL	806 104 112 524		100

## 838



Şaft		Şekil	ISO no	(Lmm)	3,0	3,0	3,0	3,0	3,0	
FG	Standard	Ø1,6 mm 	838	806 314 138 524		008	009	010	012	014
			838G	806 314 138 534					012	014
			838F	806 314 138 514				010	012	

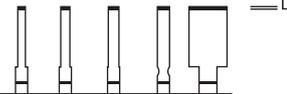
## Elmas Dental Frezler / Diamond Dental Burs / Diamant Dental Fräsen

### 838L



Şaft		Şekil	ISO no	(Lmm)	7,0	7,0	7,0	7,0	6,0	6,0
FG	Long		838L	806 315 140 524	010	012	014	016		
			838LG	806 315 140 534	010	012	014			
			838LF	806 315 140 514		012				
RA			838L	806 204 140 524				016		
HP			838L	806 104 140 524				016	023	027

### 839

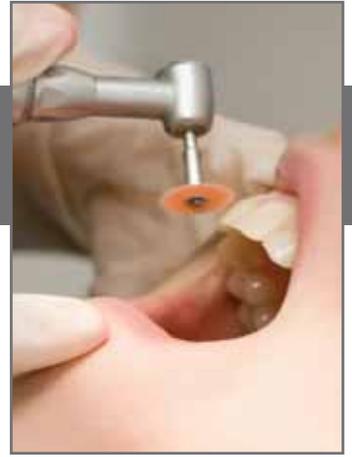


Şaft		Şekil	ISO no	(Lmm)	0,2	0,2	0,2	0,2	0,2
FG	Long		839	806 315 150 524	010	012	014	016	
			839	806 204 150 524	010				
HP			839	806 104 150 524					050

### 839R



Şaft		Şekil	ISO no	(Lmm)	0,2
FG	Long		839R	806 315 179 524	012
RA			839R	806 204 179 524	012

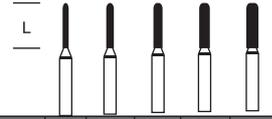


## 840



Şaft		Ø1,6 mm	19 mm	Şekil	ISO no	(Lmm)	3,0	4,0	4,0	4,0	4,0
FG	Standard					840	806 314 156 524		008	010	012
				840H	806 314 156 544			010	012	014	
				840G	806 314 156 534		008	010	012	014	016
				840F	806 314 156 514		008	010	012	014	016
				840C	806 314 156 504			010	012	014	

## 841



Şaft		Ø1,6 mm	22 mm	Şekil	ISO no	(Lmm)	6,0	6,0	6,0	6,0	6,0
FG	Long					841	806 315 157 524		008	010	012
				841H	806 315 157 544				012	014	
				841G	806 315 157 534				012	014	
				841F	806 315 157 514		008	010	012	014	016
				841C	806 315 157 504			010	012	014	016

## 842



Şaft		Ø1,6 mm	22 mm	Şekil	ISO no	(Lmm)	8,0	8,0	8,0	8,0
FG	Long					842	806 315 158 524		012	014
				842H	806 315 158 544		012	014	016	018
				842G	806 315 158 534		012	014	016	018
				842F	806 315 158 514		012	014	016	018
				842C	806 315 158 504		012	014	016	

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### 843



Şaft	Ø	Uzunluk	Şekil	ISO no	(Lmm)	016
FG Extra Long	Ø1,6 mm	25 mm	843	806 316 152 524		016



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### 845



Şaft	Ø	Uzunluk	Şekil	ISO no	(Lmm)	3,0	3,0	3,0	4,0	4,0	4,0	4,0	4,0	4,0	
FG	Standard	Ø1,6 mm 19 mm	845	806 314 168 524		007	008	009	010	012	014	016	018	025	
			845H	806 314 168 544					010	012	014				
			845G	806 314 168 534						010	012	014			
			845F	806 314 168 514							012				
RA		Ø2,35 mm 22 mm	845	806 204 168 524				010	012	014	016	018			
HP		Ø2,35 mm 44,5 mm	845	806 104 168 524				010	012	014	016				

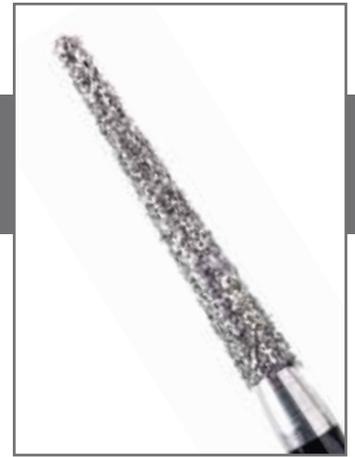


### 845R



Şaft	Ø	Uzunluk	Şekil	ISO no	(Lmm)	4,0	4,0	4,0	4,0
FG	Standard	Ø1,6 mm 19 mm	845R	806 314 544 524		016	018	021	025
			845RF	806 314 544 514		016	018		025
			845RC	806 314 544 504		016	018		025





## 846



Şaft		Şekil	ISO no	(Lmm)	6,0	6,0	6,0	6,0	7,0	
FG	Long	Ø1,6 mm 	846	806 315 171 524		012	014	016	018	025
			846H	806 315 171 544						025
			846G	806 315 171 534		012		016		025
			846F	806 315 171 514		012		016		025
FG	Standard	Ø1,6 mm 	846G	806 314 171 534			016			

## 846R



Şaft		Şekil	ISO no	(Lmm)	6,0	6,0	
FG	Long	Ø1,6 mm 	846R	806 315 545 524		016	018
			846RH	806 315 545 544		016	
			846RG	806 315 545 534		016	018
			846RF	806 315 545 514		016	018
			846RC	806 315 545 504		016	

## 847



Şaft		Şekil	ISO no	(Lmm)	8,0	8,0	8,0	8,0	8,0	9,0	9,0
FG	Long	Ø1,6 mm 	847	806 315 172 524		012	014	016	018	025	
			847H	806 315 172 544		012	014	016	018		
			847G	806 315 172 534		012	014	016	018	025	
			847F	806 315 172 514		012	014	016	018		
FG	Standard	Ø1,6 mm 	847G	806 314 172 534			014	016			
			847H	806 314 172 544			014	016			
RA		Ø2,35 mm 	847	806 204 172 524		014	016	018			
HP		Ø2,35 mm 	847	806 104 172 524		014	016	018		040	050

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### 847KR



Şaft		Ø1,6 mm	22 mm	Şekil	ISO no	(Lmm)				
FG	Long					847KR	806 315 585 524			

### 847R



Şaft		Ø1,6 mm	22 mm	Şekil	ISO no	(Lmm)			
FG	Long					847R	806 315 546 524	8,0	8,0
				847RH	806 315 546 544	014	016	018	023
				847RG	806 315 546 534	014	016	018	023
				847RF	806 315 546 514	014	016	018	023
				847RC	806 315 546 504	014	016	018	023

### 847RP



Şaft		Ø1,6 mm	22 mm	Şekil	ISO no	(Lmm)	
FG	Long					874G	806 315 508 534
				874F	806 315 508 514	016	020



## 847P



Şaft		Ø1,6 mm	22 mm	Şekil	ISO no	(Lmm)	8,0	8,0
FG	Long					875G	806 315 190 534	
				875F	806 315 190 514		014	016

## 848



Şaft		Ø1,6 mm	24 mm	Şekil	ISO no	(Lmm)	10,0	10,0	10,0	10,0	10,0	10,0	10,0	10,0	10,0	
FG	Long					848	806 315 173 524		010	012	014	016	018	021	023	031
		848H	806 315 173 544						014	016	018					
		848G	806 315 173 534						012	014	016	018	021	023	031	
		848F	806 315 173 514						012	014	016	018				
		848C	806 315 173 504								016	018		023		
RA		Ø2,35 mm	22 mm	848	806 204 173 524					016	018	023				
HP		Ø2,35 mm	44,5 mm	848	806 104 173 524			012	014	016	018	021	023	031	035	
				848G	806 104 173 534						018				031	

## 848R



Şaft		Ø1,6 mm	24 mm	Şekil	ISO no	(Lmm)	10,0
FG	Long					848R	806 315 553 524
				848RF	806 315 553 514		016

## Elmas Dental Frezler / Diamond Dental Burs / Diamant Dental Fräsen

### 849

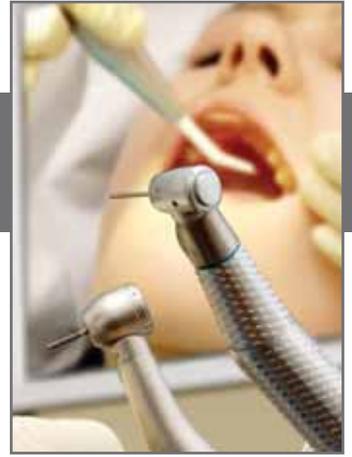


Şaft		Şekil	ISO no	(Lmm)	6,0	6,0	6,0	6,0	6,0	7,0	
FG	Long	Ø1,6 mm 21 mm	849	806 315 197 524		010	012	014	016	018	025
			849H	806 315 197 544			012	014	016	018	025
			849G	806 315 197 534		010	012	014	016	018	025
			849F	806 315 197 514		010	012	014	016	018	025
FG	Standard	Ø1,6 mm 19 mm	849G	806 314 197 534					025		
HP		Ø2,35 mm 44,5 mm	849	806 104 197 524		014	016		025		
			849G	806 104 197 534			014	016			

### 850



Şaft		Şekil	ISO no	(Lmm)	8,0	8,0	8,0	8,0	8,0	8,0	8,0	8,0	8,0	8,0	8,0
FG	Long	Ø1,6 mm 22 mm	850	806 315 198 524		010	012	014	016	018	021		025		
			850H	806 315 198 544			012	014	016	018	021		025		
			850G	806 315 198 534			012	014	016	018	021		025		
			850F	806 315 198 514			012	014	016	018					
			850C	806 315 198 504			012								
FG	Standard	Ø1,6 mm 19 mm	850	806 314 198 524		012		016							
			850H	806 314 198 544		012	014	016							
			850G	806 314 198 534		012	014	016	018						
RA		Ø2,35 mm 22 mm	850	806 204 198 524					018	023					
HP		Ø2,35 mm 44,5 mm	850	806 104 198 524		010	012	014	016	018	023	025	033	040	050
			850G	806 104 198 534					018	023					
			850F	806 104 198 514							025				



## 851



Şaft		Ø	Şekil	ISO no	(Lmm)	5,5
FG	Standard	Ø1,6 mm		851	806 314 218 524	014

## 851L



Şaft		Ø	Şekil	ISO no	(Lmm)	8,0	8,0	8,0
FG	Long	Ø1,6 mm		851L	806 315 219 524	012	016	018
				851LF	806 315 219 514	012		

## 852



Şaft		Ø	Şekil	ISO no	(Lmm)	10,0	10,0	10,0	10,0	10,0	10,0	10,0
FG	Long	Ø1,6 mm		852	806 315 199 524	010	012	014	016	018		023
				852H	806 315 199 544		012	014	016	018		
				852G	806 315 199 534		012	014	016	018		023
				852F	806 315 199 514		012	014	016	018		
				852C	806 315 199 504				016	018		
RA		Ø2,35 mm		852	806 204 199 524			016	018			
HP		Ø2,35 mm		852	806 104 199 524		012	014	016	018	021	023

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**854**



Şaft		Ø	Uzunluk	Renk	Şekil	ISO no	(Lmm)	7,0
FG	Long	Ø1,6 mm	22 mm	Blue	854	806 315 183 524		025

32

**855**



Şaft		Ø	Uzunluk	Renk	Şekil	ISO no	(Lmm)	4,0	4,0	4,0	4,0
FG	Standard	Ø1,6 mm	19 mm	Green	855	806 314 196 524			010	012	016
				Blue	855G	806 314 196 534			012	016	
				Red	855F	806 314 196 514			012		
HP		Ø2,35 mm	44,5 mm	Blue	855	806 104 196 524		009	010	012	

**856**



Şaft		Ø	Uzunluk	Renk	Şekil	ISO no	(Lmm)	2,5
FG	Long	Ø1,6 mm	24 mm	Blue	856	806 315 148 524		016
				Yellow	856C	806 315 148 504		016



# 857



Şaft		Ø1,6 mm	24 mm	Şekil	ISO no	(Lmm)	10,0
FG	Long			857	806 315 220 524		
		857G	806 315 220 534			014	
		857F	806 315 220 514			014	

# 858



Şaft		Ø1,6 mm	22 mm	Şekil	ISO no	(Lmm)	8,0	8,0	8,0	8,0	8,0
FG	Long			858	806 315 165 524				010	012	014
		858H	806 315 165 544					012	014	016	
		858G	806 315 165 534				010	012	014	016	018
		858F	806 315 165 514				010	012	014		
		858C	806 315 165 504				010	012	014		
		858U	806 315 165 494						014		
FG	Standard	858	806 314 165 524						014		
		858H	806 314 165 544						014		
		858G	806 314 165 534						014		
RA		858	806 204 165 524						014		
		858F	806 204 165 514						014		
		858C	806 204 165 504						014		
HP		858	806 104 165 524						014	018	
		858G	806 104 165 534						014	018	

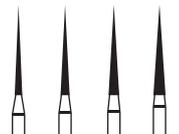
## Elmas Dental Frezler / Diamond Dental Burs / Diamant Dental Fräsen

### 859

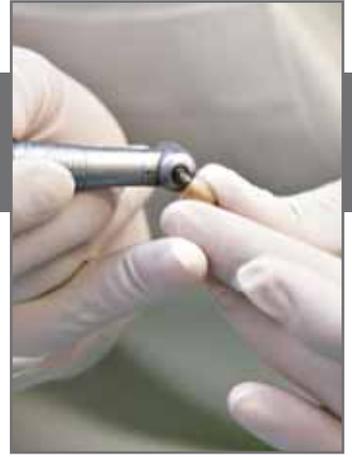


Şaft		Şekil	ISO no	(Lmm)	10,0	10,0	10,0	10,0	10,0	
FG	Long	Ø1,6 mm	859	806 315 166 524		010	012	014	016	018
			859H	806 315 166 544				014	016	018
			859G	806 315 166 534				014	016	018
			859F	806 315 166 514		010	012	014	016	018
			859C	806 315 166 504		010	012	014	016	018
			859U	806 315 166 494				014		
RA		Ø2,35 mm	859	806 204 166 524					018	
			859F	806 204 166 514				014		
HP		Ø2,35 mm	859	806 104 166 524		010		014	018	
			859F	806 104 166 514					018	
			859C	806 104 166 504				014		

### 859L



Şaft		Şekil	ISO no	(Lmm)	12,0	12,0	12,0	12,0	
FG	Extra Long	Ø1,6 mm	859L	806 316 167 524		010	012	014	016
			859LH	806 316 167 544			012	014	016
			859LG	806 316 167 534			012	014	
			859LF	806 316 167 514		010	012	014	
			859LC	806 316 167 504		010		014	
RA		Ø2,35 mm	859L	806 205 167 524	010				



## 860



Şaft		Ø	L	Şekil	ISO no	(Lmm)	2,5	3,5	3,5
FG	Standard			Ø1,6 mm	19 mm	860	806 314 246 524		008
		860G	806 314 246 534					010	
		860C	806 314 246 504				009		
FG	Short	Ø1,6 mm	16,5 mm	860	806 313 246 524		009		
RA		Ø2,35 mm	22 mm	860	806 204 246 524			010	
HP		Ø2,35 mm	44,5 mm	860C	806 204 246 504		009		
				860	806 104 246 524			010	

## 861



Şaft		Ø	L	Şekil	ISO no	(Lmm)	4,0	5,0	5,0	5,0
FG	Standard			Ø1,6 mm	19 mm	861	806 314 247 524		010	012
		861H	806 314 247 544					012	014	016
		861G	806 314 247 534				010	012	014	016
		861F	806 314 247 514				010	012	014	016
		861C	806 314 247 504				010	012	014	016
		861U	806 314 247 494				010			
FG	Short	Ø1,6 mm	16,5 mm	861	806 313 247 524		012			
RA		Ø2,35 mm	22 mm	861G	806 313 247 534		012			
				861	806 204 247 524		012			
HP		Ø2,35 mm	44,5 mm	861F	806 204 247 514		012			
				861	806 204 247 524			012	016	

## Elmas Dental Frezler / Diamond Dental Burs / Diamant Dental Fräsen

### 861K



Şaft		Şekil	ISO no	(Lmm)	
FG	Standard	Ø1,6 mm 	861KF 861KC	806 314 255 514 806 314 255 504	5,5 012 012

### 862



Şaft		Şekil	ISO no	(Lmm)	8,0	8,0	8,0	8,0	8,0	8,0	
FG	Long	Ø1,6 mm 	862	806 315 249 524		010	012	014	016		021
			862H	806 315 249 544			012	014	016	018	
			862G	806 315 249 534		010	012	014	016	018	021
			862F	806 315 249 514		010	012	014	016		
			862C	806 315 249 504		010	012	014	016		
			862U	806 315 249 494			012				
FG	Standard	Ø1,6 mm 	862	806 314 249 524			012				
			862H	806 314 249 544			012	014			
			862G	806 314 249 534			012	014	016		
RA		Ø2,35 mm 	862	806 204 249 524				014	016	018	
			862F	806 204 249 514			012	016			
			862C	806 204 249 504			012	014	016		
HP		Ø2,35 mm 	862	806 104 249 524		010	012	014	016	018	
			862F	806 104 249 514				016			



## 863



Şaft		Şekil	ISO no	(Lmm)	10.0	10.0	10.0	10.0	
FG	Long	Ø1,6 mm 	863	806 315 250 524		012	016	018	
			863H	806 315 250 544		012	016	018	
			863G	806 315 250 534		012	016	018	
			863F	806 315 250 514		012	016	018	
			863C	806 315 250 504		012	016		
RA		Ø2,35 mm 	863	806 204 250 524		012	016		
			863F	806 204 250 514		012			
HP		Ø2,35 mm 	863	806 104 250 524		012	016	018	025



## 863K



Şaft		Şekil	ISO no	(Lmm)	10.0	10.0	
FG	Long	Ø1,6 mm 	863KG	806 315 256 534		012	016
			863KF	806 315 256 514		012	
			863KC	806 315 256 504		012	



## 863XL



Şaft		Şekil	ISO no	(Lmm)	12.0
FG	Extra Long	Ø1,6 mm 	863XL	806 316 251 524	014
			863XLF	806 316 251 514	014

## Elmas Dental Frezler / Diamond Dental Burs / Diamant Dental Fräsen

### 865L



Şaft	Ø	Uzunluk	Şekil	ISO no	(Lmm)	3.0
FG Long	Ø1,6 mm	22 mm	865L	806 315 535 524		009
			865LF	806 315 535 514		009

### 866

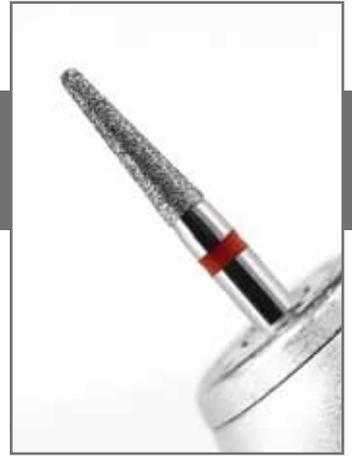


Şaft	Ø	Uzunluk	Şekil	ISO no	(Lmm)	5.0	5.0
FG Standard	Ø1,6 mm	19 mm	866	806 314 287 524		009	010
			866F	806 314 287 514		009	

### 867



Şaft	Ø	Uzunluk	Şekil	ISO no	(Lmm)	6.0	6.0	6.0
FG Long	Ø1,6 mm	21 mm	867	806 315 288 524		009	010	012
			867G	806 315 288 534		009	010	012
			867F	806 315 288 514		009	010	012
FG Standard	Ø1,6 mm	19 mm	867	806 314 288 524				012
			867G	806 314 288 534				012

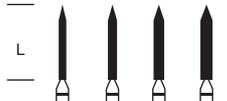


## 868



Şaft		Şekil	ISO no	(Lmm)	8,0	8,0	8,0	8,0	
FG	Long		868	806 315 289 524		010	012	014	016
			868H	806 315 289 544		010	012	014	016
			868G	806 315 289 534		010	012	014	016
			868F	806 315 289 514		010	012	014	016
			868C	806 315 289 504		012	014		
FG	Standard		868	806 314 289 524		012			
			868H	806 314 289 544		012			
			868G	806 314 289 534		012			
RA			868	806 204 289 524		012			
HP			868	806 104 289 524		012	014		

## 869



Şaft		Şekil	ISO no	(Lmm)	10,0	10,0	10,0	10,0	
FG	Long		869	806 315 290 524		010	012	014	
			869H	806 315 290 544				014	
			869G	806 315 290 534			012	014	016
			869F	806 315 290 514		010	012	014	016
			869C	806 315 290 504			012	014	
HP			869	806 104 290 524			014		

## 870



Şaft		Şekil	ISO no	(Lmm)	1,5	1,5	1,5	1,7	2,0	
FG	Standard		870	806 314 032 524		010	012	014	016	018
			870G	806 314 032 534			012	014		

Elmas Dental Frezler / Diamond Dental Burs / Diamant Dental Fräsen

**871**



Şaft		Ø1,6 mm	21 mm	Şekil	ISO no	(Lmm)	6,0
FG	Long						014
				871	806 315 222 524		

**872**

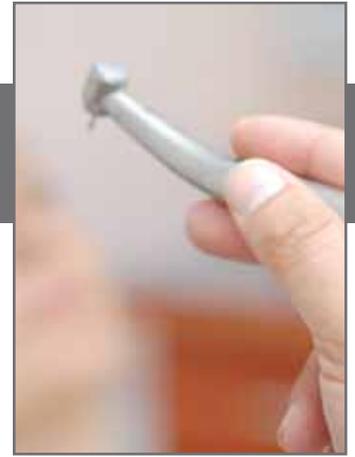


Şaft		Ø1,6 mm	22 mm	Şekil	ISO no	(Lmm)	8,0	8,0
FG	Long						012	016
				872	806 315 223 524			
				872F	806 315 223 514		016	

**873**



Şaft		Ø1,6 mm	24 mm	Şekil	ISO no	(Lmm)	10,5
FG	Long						016
				873	806 315 213 524		



## 876



Şaft		Ø1,6 mm	19 mm	Şekil	ISO no	(Lmm)			5,0
FG	Standard					876	806 314 296 524		
				876G	806 314 296 534				012

## 877



Şaft		Ø1,6 mm	21 mm	Şekil	ISO no	(Lmm)			
FG	Long					877	806 315 297 524	6,5	6,5
		877H	806 315 297 544			012	014	016	018
		877G	806 315 297 534					016	018
		877F	806 315 297 514			012	014	016	018

## 878



Şaft		Ø1,6 mm	22 mm	Şekil	ISO no	(Lmm)									
FG	Long					878	806 315 298 524	8,0	8,0	8,0	8,0	8,0	8,0	8,0	8,0
		878H	806 315 298 544			012	014	016	018	021	023				
		878G	806 315 298 534			012	014	016	018	021	023				
		878F	806 315 298 514			012	014	016	018	021					
HP		Ø2,35 mm	44,5 mm	878	806 104 257 524								025	060	
				878G	806 104 257 534									070	

## Elmas Dental Frezler / Diamond Dental Burs / Diamant Dental Fräsen

### 879



Şaft	Şekil	ISO no	(Lmm)	10,0	10,0	10,0	10,0	10,0	10,0	12,0	20,0
FG	Long	Ø1,6 mm	879	806 315 299 524	012	014	016	018	021	023	
			879H	806 315 299 544			016	018	021		
			879G	806 315 299 534	012	014	016	018	021	023	
			879F	806 315 299 514	012	014	016	018			
			879C	806 315 299 504			016				
HP		Ø2,35 mm	879	806 104 266 524						047	
			879H	806 104 266 544						047	060
			879G	806 104 266 534						047	060

### 880



Şaft	Şekil	ISO no	(Lmm)	5,0	5,0	
FG	Standard	Ø1,6 mm	880	806 314 139 524	012	014
			880G	806 314 139 534	012	014

### 881



Şaft	Şekil	ISO no	(Lmm)	8,0	8,0	8,0	8,0	
FG	Long	Ø1,6 mm	881	806 315 141 524	010	012	014	016
			881H	806 315 141 544		012	014	
			881G	806 315 141 534		012	014	016
			881F	806 315 141 514	010	012	014	016
			881C	806 315 141 504		012	014	



## 882



Şaft		Ø1,6 mm	24 mm	Şekil	ISO no	(Lmm)	10,0	10,0
FG	Long					882	806 315 142 524	
				882F	806 315 142 514		012	014

## 883



Şaft		Ø1,6 mm	22 mm	Şekil	ISO no	(Lmm)	7,0	8,0
FG	Long					883H	806 315 146 544	

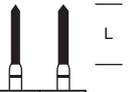
## 884



Şaft		Ø1,6 mm	21 mm	Şekil	ISO no	(Lmm)	6,0
FG	Long					884	806 315 129 524
				884G	806 315 129 534		012
				884F	806 315 129 514		012

## Elmas Dental Frezler / Diamond Dental Burs / Diamant Dental Fräsen

### 885



Şaft		Şekil	ISO no	(Lmm)	8,0	8,0
FG	Long				Ø1,6 mm	22 mm
			885	806 315 130 524		
			885H	806 315 130 544		
			885G	806 315 130 534		
			885F	806 315 130 514		
			885C	806 315 130 504		
FG	Standard		885G	806 314 130 534	012	

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### 886



Şaft		Şekil	ISO no	(Lmm)	10,0	10,0	10,0
FG	Long				Ø1,6 mm	24 mm	012
			886	806 315 131 524			
			886H	806 315 131 544			
			886G	806 315 131 534			
			886F	806 315 131 514			
			886C	806 315 131 504			

### 888



Şaft		Şekil	ISO no	(Lmm)	3,0
FG	Long				Ø1,6 mm
			888	806 314 496 524	



## 888L



Şaft	Şekil	ISO no	(Lmm)	3,0
FG Long	Ø1,6 mm 	888LG	806 315 539 534	010

## 889L



Şaft	Şekil	ISO no	(Lmm)	3,5	4,0
FG Long	Ø1,6 mm 	889L	806 315 540 524	009	010
		889LH	806 315 540 544	009	010
		889LG	806 315 540 534	009	010
		889LF	806 315 540 514	009	010
		889LC	806 315 540 504	009	010

## 890



Şaft	Şekil	ISO no	(Lmm)	4,0
FG Standard	Ø1,6 mm 	890F	806 314 160 514	010
		890C	806 314 160 504	010
		890U	806 314 160 494	010
RA	Ø2,35 mm 	890F	806 204 160 514	010

## Elmas Dental Frezler / Diamond Dental Burs / Diamant Dental Fräsen

### 890L



Şaft		Ø1,6 mm	22 mm	Şekil	ISO no	(Lmm)	3,0
FG	Long					890LF	806 315 699 514
				890LC	806 315 699 504		008

### 891



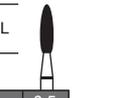
Şaft		Ø1,6 mm	25 mm	Şekil	ISO no	(Lmm)	12,0	12,0
FG	Extra Long					891	806 316 113 524	
				891F	806 316 113 514		014	
HP		Ø2,35 mm	44,5 mm	891	806 104 113 524			018

### 895



Şaft		Ø1,6 mm	19 mm	Şekil	ISO no	(Lmm)	3,5
FG	Standard					895	806 314 274 524
				895F	806 314 274 514		016
				895C	806 314 274 504		016
				895U	806 314 274 494		016

### 895L



Şaft		Ø1,6 mm	22 mm	Şekil	ISO no	(Lmm)	6,5
FG	Long					895LH	806 315 272 544

### 896



Şaft		Ø1,6 mm	19 mm	Şekil	ISO no	(Lmm)	5,5
FG	Standard					896F	806 314 244 514
				896C	806 314 244 504		025

## 897



Şaft		Şekil	ISO no	(Lmm)	6,0
FG	Long		897	806 315 176 524	018
			897F	806 315 176 514	018
			897C	806 315 176 504	018

## 897R



Şaft		Şekil	ISO no	(Lmm)	6,0
FG	Long		897R	806 315 584 524	018
			897RC	806 315 584 504	018

## 898



Şaft		Şekil	ISO no	(Lmm)	6,0	6,0	6,0	6,0	7,0
FG	Long		898	806 315 164 524	012	014	016	023	
			898H	806 315 164 544				023	
			898G	806 315 164 534	012	014	016	023	
			898F	806 315 164 514	012	014			
			898C	806 315 164 504		014			
RA			898	806 204 161 524				037	
HP			898	806 104 161 524				037	

## 899



Şaft		Şekil	ISO no	(Lmm)	6,5	7,0	7,0
FG	Long		899	806 315 033 524	021	027	031
			899G	806 315 033 534	021	027	031
			899F	806 315 033 514	021	027	031

## Elmas Dental Frezler / Diamond Dental Burs / Diamant Dental Fräsen

### ÖZEL KESİM FREZLER / SPECIAL COOL CUT SPEZIALSCHNITT DENTAL FRÄSEN

#### 808D



Şaft		Ø1,6 mm	19 mm	Şekil	ISO no	(Lmm)	2,6
FG	Standard					808D	806 314 240 524



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#### 808LD



Şaft		Ø1,6 mm	19 mm	Şekil	ISO no	(Lmm)	5,0
FG	Standard					808LD	806 314 241 524



#### 837D



Şaft		Ø1,6 mm	21 mm	Şekil	ISO no	(Lmm)	7,0
FG	Long					837D	806 315 115 524





## 837LD



Şaft		Ø1,6 mm	Şekil	ISO no	(Lmm)	9,5
FG	Long	24 mm	837LD	806 315 115 524		014

## 847D



Şaft		Ø1,6 mm	Şekil	ISO no	(Lmm)	9,5
FG	Long	24 mm	847D	806 315 177 524		016

## 848D



Şaft		Ø1,6 mm	Şekil	ISO no	(Lmm)	10,0
FG	Long	24 mm	847D	806 315 178 524		016

# Tungsten Karbid Frez

Tungsten Carbide Bur

**Hartmetall Bohrer**





## Tungsten Karbid Frez / Tungsten Carbide Bur / Hartmetall Bohrer

### Frezler / Burs

Sayfa  
Page

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**Topbas / Round**

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**Armut / Pear**

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**Yuvarlak Silindir**  
Cylinder round

61



**Yuvarlak Konik**  
Tapered round

57



**Ters Konik**  
Inverted cone

58 - 60



**Silindir**  
Cylinder

59 - 60



**Konik**  
Tapered

61



**Silindir, uç kesim**  
Cylinder, end cutting only

### Kron kesiciler / Crown Cutters

Sayfa  
Page

62 - 63



**Yuvarlak Silindir**  
Cylinder round

62



**Yuvarlak Konik**  
Tapered round

64



**Yuvarlak Silindir**  
Cylinder round

### Amalgam Sökücü / Amalgam Remover

### Adhesive Sökücüler / Adhesive Remover

Sayfa  
Page

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**Yuvarlak Silindir**  
Cylinder round

### Bitirici Frezler / Finishing Instruments

Sayfa  
Page

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**Topbas / Round**

66



**Alev Uc**  
Flame

67 - 68



**Yuvarlak Konik**  
Tapered round

68



**Yumurta**  
Egg

70



**B Bitim Frezler**  
B Finishing Instrument

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**Kursun**  
Bud

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**İğne**  
Pointed

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**Kesim Frezi**  
Torpedo

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**Füze**  
Grenade

Sayfa  
Page

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**Armut**  
Pear

67



**İğne Uc**  
Needle Shaped

67 - 68



**Konik Kesme**  
Torpedo Tapered

69



**DF Bitim Frezler**  
DF Finishing Instrument

### Cerrahi Frezler / Surgical Instruments

Sayfa  
Page

71 - 72



**Topbas / Round**

71



**Konik / Tapered**

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**Kemik Kesiciler**  
Bone Cutters

71



**Silindir**  
Cylinder

71



**Yuvarlak Konik**  
Tapered round

### Tungsten Karbid Kesiciler / Tungsten Carbide Cutters

Sayfa  
Page

76 - 87



Ürünlerimiz (tungsten karbid frezler, karbid bitimler, cerrahi frezler) çeşitli gruplarda referans numaralarıyla belirtilmiştir. Karbid kesicilerde, bu referansa ek olarak AX, CX vb. ekleri ve şekil kodları (BCC71MX, BCC72MX, BCC73MX, vb.) ile birlikte referanslandırılmıştır.

Please note that the various instruments within each product group (e.g. tungsten carbide burs, carbide finishers or surgical instruments) are sorted by their reference number in ascending order.

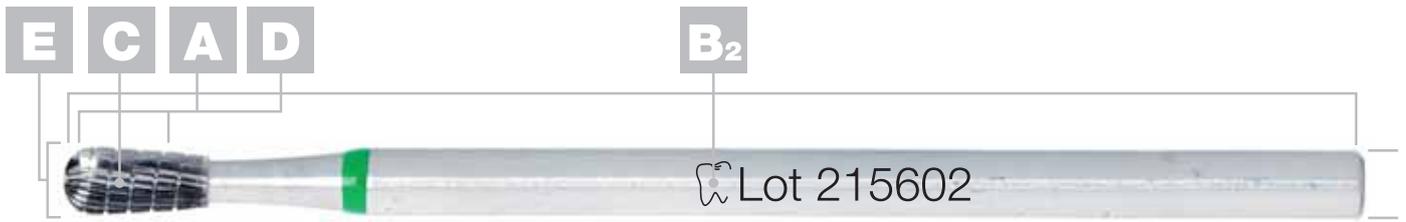
For carbide cutters, however, please note that in the first instance they are additionally sorted by their field of application in ascending order (e.g. AX: Acrylics or CX: Dry plaster) and then by their reference number in ascending order (e.g. BCC71MX, BCC72MX, BCC73MX, etc.).

**BOSPHORUS**<sup>®</sup>  
HIGH TECHNOLOGY DENTAL BURS



ISO numarası parçanın tipini tarif eder. / ISO number describes types of parts.

<b>A</b> Çalışan kısmın malzemesi Material of working part	<b>B<sup>1</sup></b> Şaft tipi Type of shaft	<b>B<sup>2</sup></b> Toplam boy Overall length
<b>C</b> Çalışan kısmın şekli Shape of working part	<b>D</b> Çalışan kısmın işlenmiş yüzeyi Surface of working part	<b>E</b> Parçanın kafa çapı Head diameter of part



- Kullanmış olduğunuz Bosphorus Tungsten Karbid frezler üzerinde takip edilebilirliği sağlamak için üretim lot numarası verilmiştir. Bu ürünle ilgili oluşabilecek her türlü sorunda, bu lot numarasıyla üretici firmaya şikayetlerinizi bildirebilirsiniz.
- Bosphorus Tungsten Carbide Burs, which you have been used are defined by lot numbers in order to provide traceability. In case of occurring any problems regarding this product, you may submit your complaints to the producer company with these lot numbers.

### Örnek ISO Şeması / Sample of ISO Chart

**500****31**  **4**  
**314****001****003****016**  
1,6 mm**ISO NO. 500 314 001 003 016**

# Nasıl Sipariş Verilir? / How to Place an Order? Wie Soll Man Bestellen?

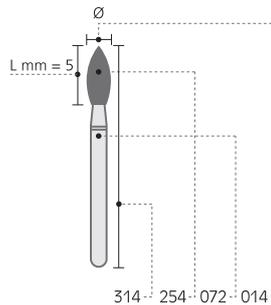
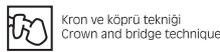
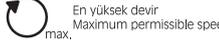
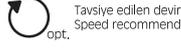
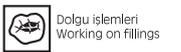
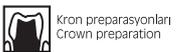
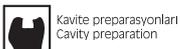
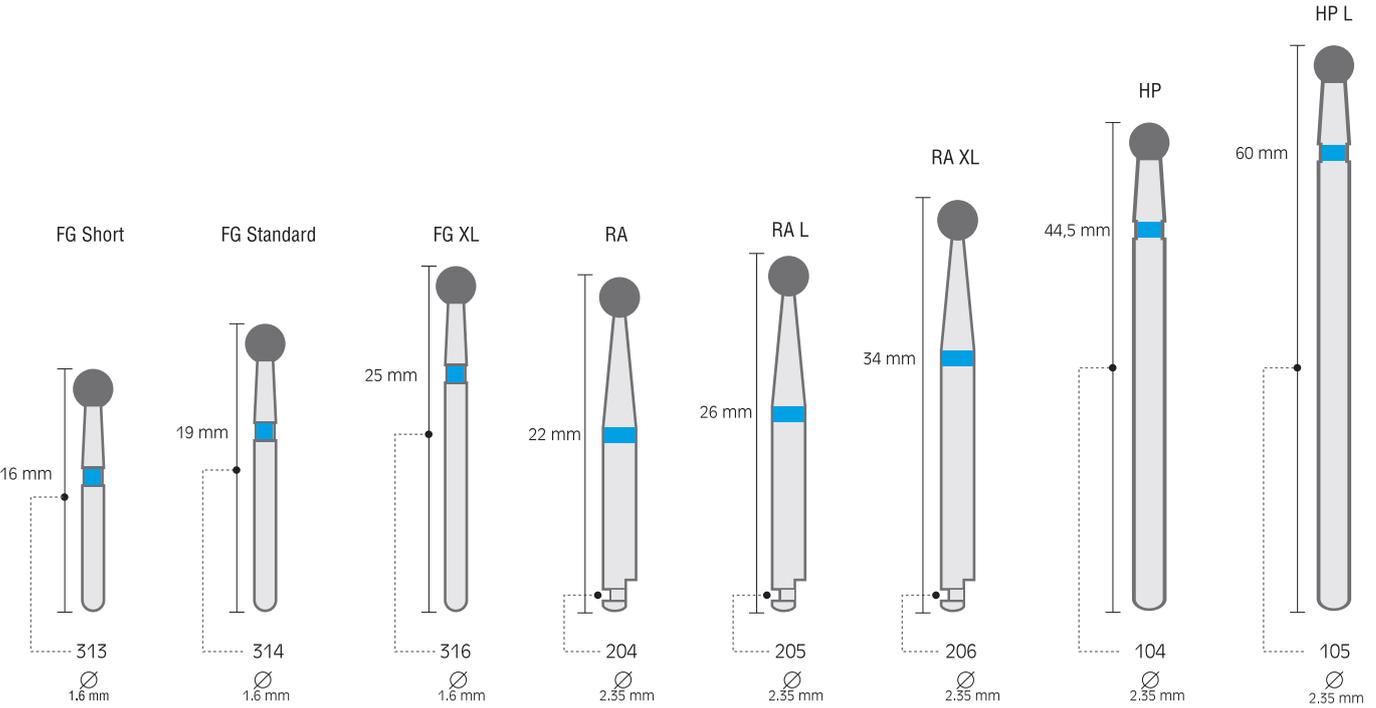
## BCB 1



HM	Ref.	ISO no	L (mm)	0,3	0,4	0,5	0,6	0,7	0,8	0,9	1,0	1,2	1,4	1,6	1,8	2,1	2,3	2,7
FG standard	FBCB1	500 314 001 001				005	006		008		010	012	014	016	018	021	023	
RA standard	RBCB1	500 204 001 001			005	006	007	008	009	010	012	014	016	018	021	023	027	
RA long	RBCB1L	500 204 001 001								010		014	016	018		023		
HP	HBCB1	500 104 001 001		003	004	005	006	007	008	009	010	012	014	016	018	021	023	027

Ref.	Şaft Boyu Shank Length	Kafa çapı Head Diameter
RBCB1	ISO 204:22 mm	005

**RBCB1-005**



## FREZLER / BURS / BOHRER

### BCB 1 S

HM		Ref.	ISO no	L (mm)	0,8	1,0	1,2	1,4	1,6	1,8	2,1	2,3	2,5	2,7	
FG	standard	Ø1,6 mm	19 mm	FBCB1S	500 314 001 003	008	010	012	014	016	018	021	023		
RA	standard	Ø2,35 mm	22 mm	RBCB1S	500 204 001 003	008	010	012	014	016	018	021	023	025	027
	long	Ø2,35 mm	26 mm	RBCB1SL	500 205 001 003		010	014	018	023	027				
HP		Ø2,35 mm	44,5 mm	HBCB1S	500 104 001 003		010	014	018	023					

023 =  $\text{O}$  max. 300 000 min<sup>-1</sup>



Cross-section of the BCB1S



Cross-section of the BCB1SX

### BCB 1 SX

HM		Ref.	ISO no	L (mm)	1,0	1,2	1,4	1,6	1,8	2,1	2,3	2,5	2,7	2,9	
RA	standard	Ø2,35 mm	22 mm	RBCB1SX	500 204 001 XXX	010	012	014	016	018	021	023	025	027	029



Excavating with the BCB1 S / BCB1 SX



### BCB1S / BCB1SX

Çürük Frezleri / Cavity Burs

#### Çürük Operasyonları İçin Son Derece Keskin Karbid Frezler

Özel olarak tasarlanan BCB1S ve BCB1SX Bosphorus karbid frezler düşük hızlarda ve düşük temas basıncı ile çalışarak güvenli ve koruyucu bir delme işlemi sağlar; böylece, pulpa zarar vermeden dentinde doğru oranda doku azaltılmasına olanak verir.

BCB1S ve BCB1SX, dentini kolay bir şekilde delme ve çürümüş diş maddesini aksensel olarak giderme işlemleri için son derece keskin olan S şeklinde enine bıçaklar ile gelişmiş bir konfigürasyon ile donatılmıştır; bu yüzden, ömürlü ve üstün derecede etkili bir kesme özelliği kazanmıştır.

BCB 1SX'in etkileyici özelliklerinden bir tanesinde yeni karma dişleme sistemidir (ön ve yan yüzeylerde olmak üzere 2 farklı dişleme). Bununla düşük titreşimli işlem yapma olanağını sağlar, ayrıca, daha da hızlı ve hafif bir şekilde kesim imkanı vermektedir.

#### Uygulama esnasında ürün özellikleri ve avantajları:

- Bosphorus frezler sıkılaştırılmış ince ve özel karbid taneçiklerinden yapılmıştır.
- İdeal bıçak keskinliği
- Cihazlar için uzun ömür
- EEnine bıçak özelliği ile oldukça keskin ve neredeyse hiç baskı uygulamadan ideal kesim yapılabilmesine imkan verir.
- Baskıya gerek kalmadan yapılan operasyonlar sayesinde ısı oluşumunu engeller.
- Hassas olması nedeniyle, pulpa için termal nekroz riskini en aza indirir.

- Paslanmaz çelik gövdesi sayesinde dezenfekte, temizleme ve sterilize etme sırasında korozyon oluşmaz.
- Diş minesini ile temastan kaçının, çünkü keskin bıçakların daha hızlı bir şekilde kırılmasına sebep olabilir ve frezin ömrünü kısaltabilir.
- Mikro motor ile 500 – 2000 rpm devirlerinde kullanılmalıdır. Düşük temas basıncı uygulayınız.
- Kolay Tanımlama - BCB1S yeşil bir halka ile işaretlenmiş ve BCB1SX ise mavi bir halka ile işaretlidir.

#### Ultra Sharp Tungsten Carbide Burs for Cavity Preparation

The special Bosphorus instruments BCB1S und BCB1SX allow safe and conservative excavation at low speed and low contact pressure, thus permitting precise material reduction in the dentin without causing damage to the pulp.

The Tungsten Carbide burs BCB1S and BCB1SX are provided with an improved blade configuration with ultra sharp blades and an S-shaped tip transversing blade to allow easy penetration into the dentin and rapid axial reduction of carious dental substance for maximum service life and superior cutting efficiency.

An impressive feature of the BCB1SX is its new hybrid tooting (2 different types of tooting at the front and lateral surfaces), which allows you to achieve an even quicker, more gentle reduction of material whilst ensuring vibration reduced operation.

#### Product properties and advantages during application:

- BOSPHORUS Tungsten carbide instruments are made of special fine grain tungsten carbide that is condensed in a hot isostatic pressing process
- Optimal sharpness of the blades
- Long service life of the instruments
- Ultra sharp blades and the special blade configuration with tip transversing blade ensure an optimal cutting efficiency and precise material reduction, almost entirely without exerting pressure.
- Prevention of heat generation due to preparations without pressure.
- Gentle to the pulp, which minimises the risk of thermal necrosis.
- Stainless steel shank to avoid corrosion during disinfecting, cleaning and sterilization.
- Avoid contact to enamel, as this causes the ultra sharp blades to blunt quicker, thus reducing the service life of the instrument.
- To be used in the micro motor at 500 – 2000 rpm. Apply low contact pressure.
- Easy identification - the BCB1S is marked with a green ring, whereas the BCB1SX can be recognised by its blue ring.

# FREZLER / BURS / BOHRER

## BCB 1

HM	Ref.	ISO no	L (mm)	0,3	0,4	0,5	0,6	0,7	0,8	0,9	1,0	1,2	1,4	1,6	1,8	2,1	2,3	2,7
FG standard	FBCB1	500 314 001 001	19 mm			005	006		008		010	012	014	016	018	021	023	
RA standard	RBCB1	500 204 001 001	22 mm			005	006	007	008	009	010	012	014	016	018	021	023	027
RA long	RBCB1L	500 205 001 001	26 mm								010		014	016	018		023	
HP	HBCB1	500 104 001 001	44,5 mm	003	004	005	006	007	008	009	010	012	014	016	018	021	023	027

021 = max. 300 000 min

023 ax. 300 000 min

## BCB 1 SN

HM	Ref.	ISO no	L (mm)	1,0	1,2	1,4	1,6	1,8	2,1	2,3	2,7	2,9
RA standard	RBCB1SN	500 204 001 003	22 mm	010	012	014	016	018	021	023	027	029
RA long	RBCB1SNL	500 205 001 003	26 mm	010		014		018		023		

max. 100 000 min<sup>-1</sup>

## BCB1SN

Yüksek Randımanlı Çürük Frezleri

High-efficient cavity bur

### Yüksek randımanlı kesme özelliği.

Enine yerleştirilmiş bıçağı ve belirgin ucu sayesinde optimum eksensel bir kullanım sağlamakla beraber ayrıca kesilen dokuların seri bir şekilde temizlenmesi için oldukça uygundur.

### Mikro Operasyon

BCB1SN'nin sahip olduğu ince boyunu sayesinde diş boşluğuna rahatça ulaşılmasını sağlar. Bu frez minimal cerrahi girişimleriniz için vazgeçilemez yardımcınız olacaktır.

Önerilen Kullanım Hızı:

1.000 – 1.500 rpm

### High cutting efficiency

The pronounced tip-transversing blade ensures optimum axial work and fast substance removal.

### Micro Preparation

The CB1SN is also provided with a slim neck, thus permitting an unobstructed view of the cavity. This instrument is an indispensable aid for minimally invasive excavation.

Recommended speed:

1 000 – 1 500 rpm



## BCB 2

HM	Ref.	ISO no	L (mm)	0,5	0,9	1,1	1,2	1,4	1,6	1,8
FG standard	FBCB2	500 314 010 001	19 mm	006	008	010	012	014	016	018
RA standard	RBCB2	500 204 010 001	22 mm		008	010	012	014	016	018

## BCB 30

HM	Ref.	ISO no	L (mm)	0,5	0,9	1,0	1,1	1,2	1,4	1,6	1,8
HP	HBCB30	500 314 010 175	44,5 mm	006	008	009	010	012	014	016	018

# Tungsten Karbid Frez / Tungsten Carbide Bur / Hartmetall Bohrer

## FREZLER / BURS / BOHRER

### BCB 7



HM	Ref.	ISO no	L (mm)	1,2	1,6	1,7	1,7	1,8
FG standard	Ø1,6 mm 19 mm	FBCB7	500 314 232 001	06	008	009	010	012
RA standard	Ø2,35 mm 22 mm	RBCB7	500 204 232 001		008	010		

### BCB 7 L



HM	Ref.	ISO no	L (mm)	3,8	4,2
FG standard	Ø1,6 mm 19 mm	FBCB7L	500 314 234 006	010	012

### BCB 7 SM



HM	Ref.	ISO no	L (mm)	2,7
FG standard	Ø1,6 mm 19 mm	FBCB7SM	500 314 XXX XXX	009

### BCB 21



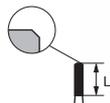
HM	Ref.	ISO no	L (mm)	3,4	4,2	4,2	4,2	4,4	4,4	4,4	4,4
FG standard	Ø1,6 mm 19 mm	FBCB21	500 314 107 006	008	009	010	012	014			
RA standard	Ø2,35 mm 22 mm	RBCB21	500 204 107 006			010	012				
HP	Ø2,35 mm 44,5 mm	HBCB21	500 104 107 006	008	009	010	012	014	016	018	

### BCB 21 L



HM	Ref.	ISO no	L (mm)	5,2	6,0	6,0	6,0
FG standard	Ø1,6 mm 19 mm	FBCB21L	500 314 110 006		010	012	014
HP	Ø2,35 mm 44,5 mm	HBCB21L	500 104 110 006	009	010	012	014

### BCB 21 MX



HM	Ref.	ISO no	L (mm)	4,2
HP	Ø1,6 mm 44,5 mm	HBCB21MX	500 104 107 019	012

### BCB 21 R



HM	Ref.	ISO no	L (mm)	4,2	4,2
FG standard	Ø1,6 mm 19 mm	FBCB21R	500 314 137 006	010	014
HP	Ø2,35 mm 22 mm	HBCB21R	500 104 137 006	010	014



# FREZLER / BURS / BOHRER

## BCB 23



HM		Ref.	ISO no	L (mm)	3,4	4,2	4,2	4,2
<b>FG</b>	standard	∅1,6 mm	19 mm	FBCB23	500 314 168 006		009	010 012
<b>HP</b>		∅2,35 mm	44,5 mm	HBCB23	500 104 168 006	008	010	012

## BCB 23 L



HM		Ref.	ISO no	L (mm)	5,2	6,0	6,0	6,0
<b>FG</b>	standard	∅1,6 mm	19 mm	FBCB23L	500 314 171 006	009	010	012 016
<b>HP</b>		∅2,35 mm	44,5 mm	HBCB23L	500 104 171 006	009	010	012

## BCB 249M



HM		Ref.	ISO no	L (mm)	2,7	
<b>FG</b>	standard	∅1,6 mm	19 mm	FBCB249M	500 314 XXX XXX	007

## BCB 23 R



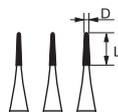
HM		Ref.	ISO no	L (mm)	4,2	4,2	4,4
<b>FG</b>	standard	∅1,6 mm	19 mm	FBCB23R	500 314 194 006	010	012 016
<b>RA</b>	standard	∅2,35 mm	22 mm	RBCB23R	500 204 194 006	010	012 016
<b>HP</b>		∅2,35 mm	44,5 mm	HBCB23R	500 104 194 006	010	012 016

## BCB 23 RMX



HM		Ref.	ISO no	L (mm)	4,2	
<b>HP</b>		∅1,6 mm	44,5 mm	FBCB23RMX	500 104 196 019	010

## BCB 23 RS



HM		Ref.	ISO no	L (mm)	4,2	4,2	4,2
<b>FG</b>	standard	∅1,6 mm	19 mm	FBCB23RS	500 314 196 006		009
<b>HP</b>		∅2,35 mm	44,5 mm	HBCB23RS	500 104 196 006	008	009 010



# Tungsten Karbid Frez / Tungsten Carbide Bur / Hartmetall Bohrer

## FREZLER / BURS / BOHRER

### BCB 31

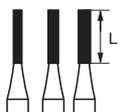




HM	Ref.	ISO no	L (mm)	3,4	4,2	4,2	4,4	4,4
FC standard	FBCB31	500 314 107 007	19 mm		010	012	014	023
RA standard	RBCB31	500 204 107 007	22 mm		010	012		
HP	HBCB31	500 104 107 007	44,5 mm	008	010	012	014	

### BCB 31 L





HM	Ref.	ISO no	L (mm)	6,0	6,0	6,0
FC standard	FBCB31L	500 314 110 007	19 mm	010	012	
HP	HBCB31L	500 104 110 007	44,5 mm	010	012	014

### BCB 31 R





HM	Ref.	ISO no	L (mm)	4,2	4,2
FC standard	FBCB31R	500 314 137 007	19 mm	010	012
HP	HBCB31R	500 104 137 007	44,5 mm	010	

### BCB 31 RS





HM	Ref.	ISO no	L (mm)	4,2
FC standard	FBCB31RS	500 314 137 292	19 mm	012

### BCB 349

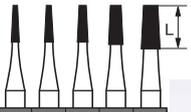




HM	Ref.	ISO no	L (mm)	2,7
HP	HBCB349	500 104 195 072	44,5 mm	005

### BCB 33





HM	Ref.	ISO no	L (mm)	4,2	4,2	4,2	4,4	4,8
FC standard	FBCB33	500 314 168 007	19 mm	009	010	012	016	021
RA standard	RBCB33	500 204 168 007	22 mm	010				
HP	HBCB33	500 104 168 007	44,5 mm	009	010	012	016	021

### BCB 33 L

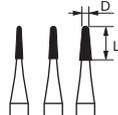




HM	Ref.	ISO no	L (mm)	5,2	6,0	6,0	6,0	7,0
FC standard	FBCB33L	500 314 171 007	19 mm	009	010	012		
HP	HBCB33L	500 104 171 007	44,5 mm	009	010	012	016	021



# FREZLER / BURS / BOHRER



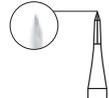
## BCB 33 R

HM		Ref.	ISO no	L (mm)	4,2	4,2	4,4
FG	standard	∅1,6 mm	19 mm	FBCB33R	500 314 194 007		012 016
HP		∅2,35 mm	44,5 mm	HBCB33R	500 104 194 007		010 012



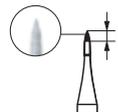
## BCB 59

HM		Ref.	ISO no	L (mm)	2,5	
FG	standard	∅1,6 mm	19 mm	FBCB59	500 314 XXX.XXX	010
FG	short	∅2,35 mm	16 mm	FBCB59S	500 313 XXX.XXX	010



## BCB 97

HM		Ref.	ISO no	L (mm)	
FG	standard	∅1,6 mm	19 mm	FBCB97	500 314 468 373
HP		∅2,35 mm	44,5 mm	HBCB97	500 104 468 373



## BCB 99

HM		Ref.	ISO no	L (mm)	2,5	
FG	standard	∅1,6 mm	19 mm	FBCB99	500 314 162 384	008
HP		∅2,35 mm	44,5 mm	HBCB99	500 104 162 384	008



## BCB 207

HM		Ref.	ISO no	L (mm)	
FG	standard	∅1,6 mm	19 mm	FBCB207	500 314 150 001



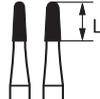
## BCB 245

HM		Ref.	ISO no	L (mm)	2,8	2,8
FG	standard	∅1,6 mm	19 mm	FBCB245	500 314 233 006	008 014



**KRON KESİCİLER / CROWN CUTTER / KRONENTRENNER**

The All-Rounder



**BCB 5 TR**

HM	Ref.	ISO no	L (mm)
FG standard	FBCB5TR	500 314 194 XXX	4,2 4,2

low fusion ceramic veneers and all conventional metal alloys



**BCB5TR / BCB34 / BCB34L**

Kron Kesicileri / Crown cutters

**Özel bıçak geometrisine sahip yeni kron kesici BCB5TR ile konvansiyonel metal alaşımlarından yapılmış olan tüm kron ve köprüler kolay ve rahatça kesilebilmektedir.**

BCB5TR'nin yenilikçi bir tasarıma sahip özel bıçak geometrisi, sert değersiz metal alaşımlarından yapılmış olan kronların dahi rahatça kesilmelerini sağlar. Cihaz çok pürüzsüz çalışır ve çalışırken oldukça azaltılmış bir titreşime sahiptir. Geniş talas alanı sayesinde özellikle altın içeren alaşımların kesiminde cihaz düzgün bir şekilde talasların çıkarılmasına imkan verir. Üstelik BCB5TR, düşük füzyon seramikten yapılmış veneralin kesimleri içinde uygundur.

**BCB 5TR – Çok Yönlü**

- Tüm konvansiyonel metal alaşımlarından yapılmış kronlar ve düşük füzyon seramikten yapılmış veneraler için kullanılabilir.
- Türbin için uygundur.
- Önerilen Kullanım Hızı: 120.000 – 160.000 rpm (Dakikadaki devir sayısı).
- Tanımlama: Mavi halka.
- Dolguların çıkarılması ve kronların kesilmeleri için kullanılabilir.

**Kullanım Önerileri:**

- BCB 5TR, ayrıca cihaz değiştirmeye gerek kalmadan düşük füzyon seramik veneraler için uygundur.
- Fakat, sert seramik için standart kron kesicileri kullanırken, uygun bir elmas frez ile öncelikle veneralin çıkarılması her zaman gereklidir.
- Genel öneri: Kesilecek olan malzeme ne kadar sert ise, çalışma hızı o kadar yavaş olarak ayarlanmalıdır. Tavsiye edilen hızlar doğrultusunda yapılan kullanımın cihazın etkinliğine ve ömrüne katkısı olduğu saptanmıştır.



**BCB 34/BCB 34L**

BCB34L - Uzun kafa boyu ile optimal kesim, kalın duvarlı kron ve köprülerin ayırma işlemlerine uygundur.

- Dengeli yapısı ile birlikte seri ve etkili kesim özelliklerine sahiptir.
- Türbin için uygundur.
- Önerilen Kullanım Hızı: 120.000 – 160.000 rpm
- Tanımlama: İki siyah halkalı, altın renkli.

**Due to its special blade geometry, the new crown cutter BCB5TR facilitates quick and easy cutting of crowns and bridges made of all conventional metal alloys.**

The innovative blade geometry of the BCB5TR ensures easy penetration even in crowns made of hard non-precious metal alloys. The instrument performs a very smooth and vibration-reduced operation. Large chip spaces permit quick chip removal and prevent dlogging, especially when cutting alloys with gold content. The BCB 5 TR is also suited for cutting veneers made of low fusion ceramics.

**BCB 5TR – The all-rounder**

- For cutting crowns made of all conventi- onal metal alloys and low fusion ceramic veneers
- Suited for turbine
- Recommended speed: 120 000 – 160 000 rpm
- Identification: blue ring
- For removing fillings and for cutting crowns

**BCB 34/CB 34L – The Turbo**

- BCB34L with longer working part for optimal cutting and separating crowns and bridges with thick walls
- Stable construction, fast cutting and high cutting efficiency
- Suited for turbine
- Recommended speed: 120 000 – 160 000 rpm
- Identification: gold-coloured instrument with two black rings

**Recommendations for use:**

- The BCB 5TR is also suited for low fusion ceramic veneers without the need to change instruments.
- When using standard crown cutters for hard ceramics, however, it is always necessary to remove the veneer with an appropriate diamond instrument first.
- General recommendation: the harder the material to be cut, the lower the chosen working speed. Observing the recommended speed has a high impact on the efficiency and the service life of the instrument.



**BCB 34**

HM	Ref.	ISO no	L (mm)
FG standard	FBCB34	500 314 138 293	2,0 2,0

gold-colored instruments

**BCB 34 L**

HM	Ref.	ISO no	(L (mm))
FG standard	FBCB34L	500 314 139 293	3,5

gold-colored instruments

## KRON KESİCİLER / CROWN CUTTER / KRONENTRENNER

### BCB 17

HM	Ref.	ISO no	L (mm)	2,2	2,6	3,0
FG standard	FBCB17	500 314 237 293	19	009	010	012

gold-colored instruments

### BCB 35 C

HM	Ref.	ISO no	L (mm)	4,2	4,2
FG standard	FBCB35C	500 314 ... ..	19	010	012

gold-colored instruments

### BCB 37 R

HM	Ref.	ISO no	L (mm)	4,2	4,2
FG standard	FBCB37R	500 314 137 293	19	010	012

gold-colored instruments

### BCB 40AG

Kron Kesici / Crown cutter

Yeni kron kesici BCB 40AG'nin en önemli özelliklerinden biri enine bıçaklı ucu, enine ve çaprazına bıçakları sayesinde özel kesim yapabilmektedir. Özel bıçak biçimlendirmesi sayesinde BCB 40AG oldukça agresiftir. Bundan dolayı geleneksel metallere yapılmış olan kronlar ve köprüleri seri ve etkili bir şekilde kesilmesine imkan sağlar.

BCB 40AG'nin iki parçadan oluşan sabit yapısı, tek parçadan üretilmiş kesicilerle kıyaslandığında kırılmalara karşı daha sağlam bir yapıya sahip olmasını mümkün kılmıştır. Bunun nedeni ise, cihaza uygulanan kuvvetin bu özel iki parça yapısının ona kazandırmış olduğu yüksek esneklik sayesinde absorbe etmesidir.

#### BCB 40AG – Agresif Kesici

- Dolguların ve kronların çıkartılması için kullanılır.
- Sabit yapı, hızlı ve etkili.
- Türbin kullanımı için uygundur.
- Önerilen Kullanım Hızı: 120.000 – 160.000 rpm
- Tanımlama: Altın renkli gövde.

#### Kullanım Önerileri:

- Sert seramikler üzerinde kron kesimi için kullanıldığında, uygun bir elmas frez ile öncelikle veneri temizleyiniz.

**Genel Öneri:** Kesilecek olan malzeme ne kadar sert ise, çalışma hızı o kadar yavaş olarak ayarlanmalıdır. Tavsiye edilen hızlar doğrultusunda yapılan kullanımların cihazın etkinliğine ve ömrüne katkısı olduğu saptanmıştır.

The most outstanding features of the new crown cutter BCB 40AG include its special toothing with cross-cut and a tip transversing blade. Thanks to its special blade configuration, the BCB 40AG is particularly aggressive. This facilitates quick and efficient cutting of crowns and bridges made of conventional metal alloys.

Its stable two-piece construction makes The BCB 40AG considerably more fracture resistant than any cutters manufactured in one piece. This is because the forces applied to the instrument can be absorbed to a certain extent by the greater "flexibility" of this special two-piece construction.

#### BCB 40AG – The aggressive cutter

- For removing fillings and separating crowns
- Stable construction, fast and efficient
- Suited for use in the turbine
- Recommended speed: 120,000 – 160,000 rpm
- Identification: Gold-coloured shank alloys

#### Recommendations for use:

- When using the crown cutter on hard ceramics, make sure to remove the veneer with a suitable diamond instrument first.

**General recommendation:** the harder the material to be cut, the lower the chosen working speed. Choosing the correct speed greatly increases the performance and the service life of the instrument.



BCB 40AG



### BCB 40 AG

HM	Ref.	ISO no	L (mm)	4,0
FG standard	FBCB40AG	500 314 139 008	19	012



## AMALGAM SÖKÜCÜ / AMALGAM REMOVER / AMALGAMENTFERNER

### BCB21RMX

Amalgam Sökücü / Amalgam remover

#### Amalgam dolguları mı çıkarıyorsunuz?

**Bosphorus'un size bir çözüm önerisi var... BCB 21RMX**

BCB21RMX 160.000 rpm'de ve minimum temasla kullanıldığında oluşan ısı ve civa buharının düşük seviyede tutup dolgunun çıkarılması işleminde optimal bir denge sağlar. Sürtünme ile oluşan ısının azaltılması için yeterli seviyede sıvı kullanmanız önemle tavsiye olunur.

BCB21RMX uç kısmındaki özel bıçak konfigürasyonu ile dolguyu rahatça delip operasyon zamanını kısaltmış olacaksınız. Bu sayede dolgular artık kolayca ve güvenle çıkarılacaktır.

#### Kullanım Önerileri:

BCB21RMX hem dik olarak (90°) hemde eğimli (45°) lik açılarla kullanılabilme özelliğine sahiptir. Dolgu çıkartma operasyonlarında öncelikle birkaç adet enine ve boyuna oluklar açılmalıdır (dolgunun boyutuna göre değişecektir), daha sonra dolguyu küçük parçalara bölerek dış boşluktan bu parçalar teker teker alınmalıdır. Dolgu artıkları ise kolayca bir cihazla yada BCB21RMX ile temizlenebilir.

#### Tanımlama:

- Yeşil halka, altın gövde
- Türbin için uygundur

#### Önerilen Kullanım Hızı:

120.000 - 160.000 rpm  
Gövde kısmı paslanmaz çelik olduğundan korozyon oluşmaz.

#### Removing old Amalgam fillings?

**BOSPHORUS has the solution: the Tungsten Carbide Bur BCB 21 RMX.**

The BCB 21 RMX has proven maximum performance at 160 000 min-1 and low contact pressure. Both factors together assure an optimal balance between heat development, generation of mercury vapour and material reduction. In order to minimise frictional heat, always use sufficient water cooling (at least 50ml/min) and suction.

The special blade configuration at the instrument tip allows easy material penetration and will significantly reduce the prep time. Old fillings can be removed quickly and safely.

#### Recommendations for use:

The BCB 21 RMX can be used both in an axial direction or from an inclined position. Several longitudinal and transversal separation grooves are to be cut (depending on the size of the filling).

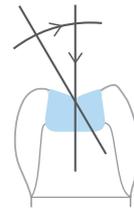
By dividing the filling into several small segments, the fragments can be removed from the cavity. Filling residues can be removed easily with a hand instrument or with BOSPHORUS BCB 21 RMX.

#### Marking:

- Green ring, golden shank
- Suited for turbine

#### Recommended speed:

- 120 000 - 160000 min-1
- No corrosion - stainless steel



### BCB 21RMX

HM	Ref.	ISO no	L (mm)	4,2
FG	standard	Ø1,6 mm	19 mm	FBCB21RMX
				500 314 137 006
				012

gold-colored instruments

## ADHESIVE SÖKÜCÜLER / ADHESIVE REMOVER / KLEBSTOFFENTFERNER

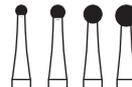


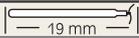
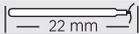
### BCB 27

HM	Ref.	ISO no	L (mm)	4,7
RA		Ø2,35 mm	22 mm	RBCB27
				500 204 194 XXX
				016

# BİTİM FREZLER / FINISHING INSTRUMENTS / FINIERER

## BCF 41



HM	Ref.	ISO no	L (mm)	1,4	1,8	2,3	2,7
<b>FG</b> standard	Ø1,6 mm	 19 mm	FBCF41	500 314 001 071	014	018	023
<b>RA</b> standard	Ø2,35 mm	 22 mm	RBCF41	500 204 001 071	014	018	023 027

023 =  max. 300 000 min<sup>-1</sup>

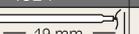
## BCF 47 L



HM	Ref.	ISO no	L (mm)	4,2	4,4	
<b>FG</b> standard	Ø1,6 mm	 19 mm	FBCF47L	500 314 234 072	012	014

## BCF 132 BCF 132 F BCF 132 UF

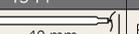
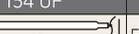


HM	BCF 132	Ref.	ISO no	L (mm)	3,0	3,0	3,0
<b>FG</b> standard	Ø1,6 mm	 19 mm	FBCF132	500 314 699 071	008		
HM	BCF 132 F		ISO no	L (mm)			
<b>FG</b> standard	Ø1,6 mm	 19 mm	FBCF132F	500 314 699 041		008	
HM	BCF 132 UF		ISO no	L (mm)			
<b>FG</b> standard	Ø1,6 mm	 19 mm	FBCF132UF	500 314 699 031			008

008 =  max. 300 000 min<sup>-1</sup>

## BCF 134 BCF 134 F BCF 134 UF



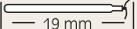
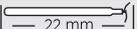
HM	BCF 134	Ref.	ISO no	L (mm)	6,0	6,0	6,0
<b>FG</b> standard	Ø1,6 mm	 19 mm	FBCF132	500 314 164 071	014		
HM	BCF 134 F		ISO no	L (mm)			
<b>FG</b> standard	Ø1,6 mm	 19 mm	FBCF132F	500 314 164 041		014	
HM	BCF 134 UF		ISO no	L (mm)			
<b>FG</b> standard	Ø1,6 mm	 19 mm	FBCF132UF	500 314 164 031			014



**BİTİM FREZLER / FINISHING INSTRUMENTS / FINIERER**

**BCF 46**

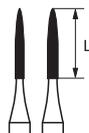


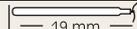
HM	Ref.	ISO no	L (mm)	3,5	3,5	3,8	4,6	
<b>FG</b> standard	∅1,6 mm		FBCF46	500 314 254 072	012	014	018	<b>023</b>
<b>RA</b> standard	∅2,35 mm		RBCF46	500 204 254 072			018	

023 =  max. 300 000 min<sup>-1</sup>



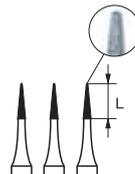
**BCF 48 L**

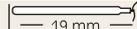


HM	Ref.	ISO no	L (mm)	8,0	8,0	
<b>FG</b> standard	∅1,6 mm		FBCF48L	500 314 249 072	010	012

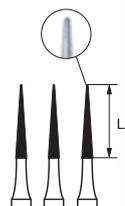
 max. 300 000 min<sup>-1</sup>

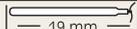
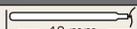
**BCF 133**  
**BCF 133 F**  
**BCF 133 UF**



HM	Ref.	ISO no	L (mm)	4,2	4,2	4,2
<b>FG</b> standard	∅1,6 mm		FBCF133	500 314 159 071	010	
HM	BCF 133 F	ISO no	L (mm)			
<b>FG</b> standard	∅1,6 mm		FBCF133F	500 314 159 041		010
HM	BCF 133 UF	ISO no	L (mm)			
<b>FG</b> standard	∅1,6 mm		FBCF133UF	500 314 159 031		010

**BCF 135**  
**BCF 135 F**  
**BCF 135 UF**



HM	Ref.	ISO no	L (mm)	6,0	6,0	6,0
<b>FG</b> standard	∅1,6 mm		FBCF135	500 314 164 071	014	
HM	BCF 135 F	ISO no	L (mm)			
<b>FG</b> standard	∅1,6 mm		FBCF135F	500 314 164 041		014
HM	BCF 135 UF	ISO no	L (mm)			
<b>FG</b> standard	∅1,6 mm		FBCF135UF	500 314 164 031		014

 max. 300 000 min<sup>-1</sup>



# BİTİM FREZLER / FINISHING INSTRUMENTS / FINIERER

## BCF 246

HM	Ref.	ISO no	L (mm)	3,6	3,6	3,6
<b>FG</b> standard	FBCF246	500 314 496 071	19	009	010	012
<b>RA</b> standard	RBCF246	500 204 496 071	22	009		

## BCF 246 UF

HM	Ref.	ISO no	L (mm)	3,6
<b>FG</b> standard	FBCF246UF	500 314 496 031	19	009

## BCF 247

HM	Ref.	ISO no	L (mm)	3,2	3,4	3,4
<b>FG</b> standard	FBCF247	500 314 195 071	19	009	010	012

## BCF 247 F

HM	Ref.	ISO no	L (mm)	3,2
<b>FG</b> standard	FBCF247F	500 314 195 041	19	009

## BCF 282

HM	Ref.	ISO no	L (mm)	6,0	6,0
<b>FG</b> standard	FBCF282	500 314 288 072	19	010	012

## BCF 282 K

HM	Ref.	ISO no	L (mm)	6,0	6,0
<b>FG</b> standard	FBCF282K	500 314 297 072	19	014	016
<b>RA</b> standard	RBCF282K	500 204 297 072	22	014	

## BCF 283

HM	Ref.	ISO no	L (mm)	8,0	8,0	8,0
<b>FG</b> standard	FBCF283	500 314 289 072	19	010	012	014

## BCF 283 K

HM	Ref.	ISO no	L (mm)	8,0
<b>FG</b> standard	FBCF283K	500 314 298 072	19	016
<b>RA</b> standard	RBCF283K	500 204 298 072	22	016

010 - 014 = max. 300 000 min<sup>-1</sup>

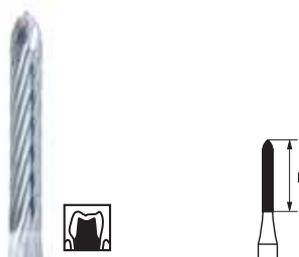
## BCF 283 MX

HM	Ref.	ISO no	L (mm)	8,0
<b>FG</b> standard	FBCF283	500 314 289 080	19	012
<b>HP</b>	HBCF283	500 104 289 080	44,5	012

012 = max. 300 000 min<sup>-1</sup>

**BİTİM FREZLER / FINISHING INSTRUMENTS / FINIERER**

**BCF 284**



HM	Ref.	ISO no	L (mm)	10,0
FG standard	FBCF284	500 314 290 072	014	

014 = max. 300 000 min<sup>-1</sup>

**BCF 284 K**



HM	Ref.	ISO no	L (mm)	10,0
FG standard	FBCF284K	500 314 299 072	018	

018 = max. 300 000 min<sup>-1</sup>

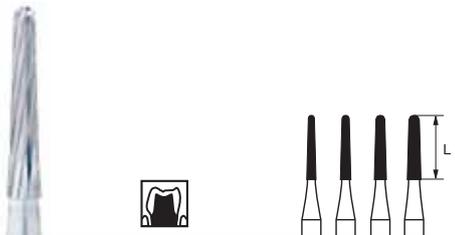
**BCF 297**



HM	Ref.	ISO no	L (mm)	8,0
FG standard	FBCF297	500 314 158 072	012	

012 = max. 300 000 min<sup>-1</sup>

**BCF 375 R**



HM	Ref.	ISO no	L (mm)	8,0	8,0	8,0	8,0
FG standard	FBCF375R	500 314 198 072	012	014	016	018	

012 - 014 = max. 300 000 min<sup>-1</sup>

**BCF 379**



HM	Ref.	ISO no	L (mm)	3,1	3,5	4,2
FG standard	FBCF379	500 314 277 072	014	018	023	
RA standard	RBCF379	500 204 277 072	014	018	023	

023 = max. 300 000 min<sup>-1</sup>

**BCF 379 F**



HM	Ref.	ISO no	L (mm)	4,2
FG standard	FBCF379F	500 314 277 042	023	

023 = max. 300 000 min<sup>-1</sup>

**BCF 379 UF**



HM	Ref.	ISO no	L (mm)	4,2
FG standard	FBCF379UF	500 314 277 032	023	

023 = max. 300 000 min<sup>-1</sup>

**BCF 379 GK**



HM	Ref.	ISO no	L (mm)	3,1
FG standard	FBCF379GK	500 314 279 072	014	

**BCF 390**



HM	Ref.	ISO no	L (mm)	3,5
FG standard	FBCF390	500 314 274 072	016	
RA standard	RBCF390	500 204 274 072	016	
HP	HBCF390	500 104 274 072	016	

**BCF 390 UF**



HM	Ref.	ISO no	L (mm)	3,5
FG standard	FBCF390UF	500 314 274 032	016	

# DF BİTİM FREZLER / DF FINISHING INSTRUMENTS / DF FINIERER

## Bitim Frezler / Finishing Instruments

### Krona şekil vermek için kullanılan DF bitirici frezler.

- . Dişin Yüzeyinde ve çevresinde düzgün kesim
- . Yüzey pürüzlüğünü 5-8 m de tutarak dolgunun daha güçlü ve uzun ömürlü olmasını sağlamak
- . Mükemmel pürüzsüz kronlama

### DF finishing instruments for shaping the crown core

- . Fine diamond tooting on the peripheral surface
- . Better cement retention due to controlled surface roughening with a defined rough ness of 5-8m
- . smooth crown margin for perfect marginal seal

### BCF 216 DF

HM	Ref.	ISO no	L (mm)
FG standard	FBCF216DF	500 314 496 071	6,0

### BCF 217 DF

HM	Ref.	ISO no	L (mm)
FG standard	FBCF217DF	500 314 496 031	10,0

### BCF 284 DF

HM	Ref.	ISO no	L (mm)
FG standard	FBCF284DF	500 314 195 041	10,0 10,0

### BCF 341 DF

HM	Ref.	ISO no	L (mm)
FG standard	FBCF341DF	500 314 288 072	10,0 10,0

### BCF 283 DF

HM	Ref.	ISO no	L (mm)
FG standard	FBCF283DF	500 314 195 071	8,0 8,0

### BCF 340 DF

HM	Ref.	ISO no	L (mm)
FG standard	FBCF340DF	500 314 288 072	6,0 6,0

### BCF 375 RDF

HM	Ref.	ISO no	L (mm)
FG standard	FBCF375RDF	500 314 288 072	8,0

## B BİTİM FREZLER / B FINISHING INSTRUMENTS / B FINIERER

### karbid kompozit dolgu frezleri - diş klinikleri için dahice bir yenilik

Bugüne kadar plastik düzeltici malzemeler ile çalışırken genellikle farklı cihazlara ihtiyaç duyuluyordu. Artık Bosphorus'un yenilikçi karbid frezleri ile hiç bir şekilde alet değiştirmeye gerek duymadan her iki safhanın üstesinden geleceksiniz.

### Dolgular üzerinde daha kolay bir kullanım.

Bir adet B bitirme frezi ile etkili bir kırma yapıp, düzeltme işlemi tam olarak kesin bir şekilde bitirebileceksiniz. Dolgu malzemesinin düzeltilmesi, cihazı sağ ve sol el rotasyonunda gerçekleştirilebilir.

### ...ikisi bir arada!

Özel bıçak tasarımı sayesinde, normal olarak kullanıldığında bıçaklar rahat bir şekilde dolgu malzemesini delebilecektir, örn. Sağ el rotasyonu ile. Kontrollü malzeme azaltılması, dış yüzlerinin hem işlevsel hemde anatomik olarak doğru şekillendirilmesini sağlar. Sol el rotasyonu ile ise, bu cihaz kullanarak en az seviyede materyal azaltılması mümkündür. Sadece rötuşlama malzemelerinin aktif yüzeylerinin azaltacaktır. Plaka oluşumuna karşıda dayanıklı ve güvenli başarılı bir temel oluşturulması sağlanır.

Bu eşsiz ürün bütün diş kliniklerinde başarılı sonuçlar verecek avantajlara sahiptir.

### • Çok yönlü kullanım

Bitim frezlerinin kombinasyonları hem sağ ve hemde sol el rotasyonu için olduğundan, kırma ve rötuşlama tek bir cihaz ile yapılabilmektedir.

### • Hasta başında geçen vakti azaltır

Cihaz değiştirmeye gerek duyulmayacağı için, tedavi süresi hem hekim hemde hasta için azalacaktır.

### • Ekonomik

Seri Operasyon İkinci bir cihaza gerek kalmadığı için hem zaman, hemde para kazandırır

### • Uzun kullanım ömrü

Yüksek kalite, karbid sayesinde uzun bir süre boyunca keskin kalacak ve bozulmayacaktır.

### Kullanım Önerileri:

B bitirme frezlerini ters açlarda kullanınız:  
1. Plastik bir dolguyu kırmak için önerilen hız en az 20.000 rpm olmalıdır. frezi normal bir bitirme frezi gibi kullanınız. Örn. ters açı ters açıl olarak dönerken sağa doğru döndürünüz. Dolguyu, son rötuşlama esnasında olabildiğince az malzeme kaybı olmasına dikkat ederek hazırlayınız.

2. Rötuşlama için önerilen hız en az 20.000 rpm olmalıdır. Ters açı yönünde dönerken frezi sol el rotasyonu ile kullanınız (motoru sol el kullanımı için ayarlayınız).

B bitirme frezlerini yeterli seviyede sıvı ile kullanınız. (en az 50ml/dak.)

### Tungsten carbide composite fillings instrument - an intelligent innovation for the dental office

So far, working on plastic restorative materials has often required different instruments.

Now with Bosphorus innovative tungsten carbide instruments you can carry out two working steps without changing the instrument. These unique products offer advantages which will pay off in every dental office:

### Easy working on fillings

With only one combination finishing instrument you can efficiently trim and precisely finish a restoration. The respective material reduction will be achieved by using the instrument in right-hand or left-hand rotation.

### ... two in one!

Due to the special blade design the blades can easily penetrate the filling material when used in the normal way, i.e. righthand rotation. Controlled material reduction permits both functionally and anatomically correct shaping of the tooth surfaces. With left-hand rotation, there is only minimal material reduction with this instrument. Exact finishing will reduce the active surface of the filling materials. The increased resistance against plaque formation is a successful basis for a clinically safe and durable restoration.

As the combination finishing instruments are used for righthand and left-hand rotation, trimming and finishing are carried out with one single instrument.

### • reduced chairside time

As no instrument change is necessary the treatment time is reduced for patient and operator.

### • higher economy

Quicker preparation. No need for a second instrument saves time and money.

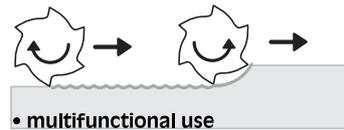
### • increased service life

The use of a high-grade, isostatically pressed and especially fine-grained tungsten carbide assures sharp and unmarred blades for many applications.

### Recommendations for use:

Use the combination finishing instrument in the red contra-angle:

1. Trimming of a plastic filling is carried out at a recommended speed of 20 000 min<sup>-1</sup>. Use the instrument like a conventional finishing instrument – i. e. rotating to the right with the contra-angle running contra-rotationally. Prepare the filling so that during final finishing only a minimum of material has to be reduced.
2. Finishing is carried out at a recommended speed of 20 000 min<sup>-1</sup>. Use the instrument with left-hand rotation while the contra-angle runs in rotating direction (set drive to lefthand operation).



• multifunctional use

Use instruments with sufficient water cooling (at least 50 ml/min).

### BCF 48 LB

HM	Ref.	ISO no L (mm)	8,0
FG	standard	Ø1,6 mm	19 mm
	FBCF48LB	500 314 XXX XXX	012

max. 300 000 min<sup>-1</sup>

### BCF 246 B

HM	Ref.	ISO no L (mm)	3,7
FG	standard	Ø1,6 mm	19 mm
	FBCF246B	500 314 XXX XXX	009

max. 300 000 min<sup>-1</sup>

### BCF 379 B

HM	Ref.	ISO no L (mm)	4,2
FG	standard	Ø1,6 mm	19 mm
	FBCF379B	500 314 XXX XXX	023

max. 300 000 min<sup>-1</sup>



1. BCF 379B yumurta şekilli bitim frezini kullanarak oklüzal dolguların kırılması ve rötuşlanması
2. Trimming and finishing of occlusal fillings with the eggshaped combination finishing instrument BCF 379 B
3. BCF 48LB alev şekilli bitim frezini kullanarak labiyal dolgunun kırılması ve rötuşlanması
4. Trimming and finishing of a labial filling with flameshaped combination finishing instrument BCF 48 LB
5. BCF 246B iğne şekilli bitim frezlerini kullanarak servikal dolgunun kırılması ve rötuşlanması
6. Trimming and finishing of a cervical filling with the needleshaped combination finishing instrument BCF 246 B

# CERRAHI FREZLER / SURGICAL INSTRUMENTS CHIRURGISCHE INSTRUMENTE

## BCB 1XL

HM	Ref.	ISO no	L (mm)	1,0	1,2	1,4	1,6	1,8	2,3
FG XL	FBCB1XL	500 316 001 001	25	010	012	014	016	018	023

010 - 023 = max. 100 000 min<sup>-1</sup>



## BCB 31XL

HM	Ref.	ISO no	L (mm)	4,2	4,2	4,4
FG XL	FBCB31XL	500 316 107 007	25	010	012	014

010 - 014 = max. 300 000 min<sup>-1</sup>

## 316 - FG extra - long



## BCB 33XL

HM	Ref.	ISO no	L (mm)	4,2	4,4
FG XL	FBCB33XL	500 316 168 007	25	010	016

012 - 016 = max. 300 000 min<sup>-1</sup>

## BCB 33 LXL

HM	Ref.	ISO no	L (mm)	6,0
FG XL	FBCB33LXL	500 316 171 007	25	010

010 = max. 300 000 min<sup>-1</sup>

## BCB 33 RXL

HM	Ref.	ISO no	L (mm)	4,2
FG XL	FBCB33RXL	500 316 194 007	25	016

016 = max. 300 000 min<sup>-1</sup>

## BCB 254

HM	Ref.	ISO no	L (mm)	6,0
FG Standard	FBCB254	500 314 415 296	19	010
FG XL	FBCB254XL	500 316 415 296	25	010

010 = max. 80 000 min<sup>-1</sup>

CERRAHI FREZLER / SURGICAL INSTRUMENTS  
CHIRURGISCHE INSTRUMENTE

**BCB 141**



HM			Ref.	ISO no	L (mm)	1,0	1,4	1,8	2,1	1,0	1,0	1,0	1,0	1,0	1,0	1,0	1,0
RA	Long	Ø2,35 mm	RBCB141	500 205 001 291		010	014	018	023	025	027	029	031	035	040		
RA	XL	Ø1,6 mm	RBCB141XL	500 206 001 291		010	014	018	023	025	027	029					
HP		Ø2,35 mm	HBCB141	500 104 001 291		010	014	018	023	025	027	029	031	035	<b>040</b>	<b>050</b>	
HP	Long	Ø2,35 mm	HBCB141L	500 105 001 291					023	027	031					<b>050</b>	

max. 100 000 min<sup>-1</sup>

**040** = max. 60 000 min<sup>-1</sup>

**050** = max. 60 000 min<sup>-1</sup>



RA - long 26 mm



RA - XL 34 mm



**BCB 141 A**



HM			Ref.	ISO no	L (mm)	1,0	1,4	1,8	2,3	2,7	3,1	3,5	4,0	5,0
RA	Long	Ø2,35 mm	RBCB141AL	500 205 001 298		010	014	018	023	027	031	035	<b>040</b>	
RA	XL	Ø2,35 mm	RBCB141AXL	500 206 001 298		010	014	018	023	027	031			
HP		Ø2,35 mm	HBCB141A	500 104 001 298		010	014	018	023	027	031	035	<b>040</b>	<b>050</b>

max. 100 000 min<sup>-1</sup>

**040** = max. 60 000 min<sup>-1</sup>

**050** = max. 60 000 min<sup>-1</sup>



# KEMİK KESİCİ FREZLER / BONE CUTTERS / KNOCHENFRASER

## BCB 161



HM	Ref.	ISO no	L (mm)	9,0	
<b>FG</b> standard	Ø1,6 mm	19 mm	FBCB161	500 314 408 295	<b>016</b>
<b>HP</b>	Ø2,35 mm	44,5 mm	HBCB161	500 104 408 295	016

max. 100 000 min<sup>-1</sup>

**016** = max. 160 000 min<sup>-1</sup>

## BCB 162

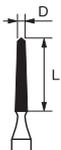


HM	Ref.	ISO no	L (mm)	9,0	
<b>FG</b> standard	Ø1,6 mm	19 mm	FBCB162	500 314 408 297	<b>016</b>
<b>RA</b> standard	Ø2,35 mm	22 mm	RBCB162	500 204 408 297	016
<b>RA</b> long	Ø2,35 mm	26 mm	RBCB162L	500 205 408 297	016
<b>HP</b>	Ø2,35 mm	44,5 mm	HBCB162	500 104 408 297	016

max. 100 000 min<sup>-1</sup>

**016** = max. 160 000 min<sup>-1</sup>

## BCB 162 A



HM	Ref.	ISO no	L (mm)	9,0	
<b>FG</b> standard	Ø1,6 mm	19 mm	FBCB162A	500 314 408 298	<b>016</b>
<b>RA</b> standard	Ø2,35 mm	22 mm	RBCB162A	500 204 408 298	016
<b>RA</b> long	Ø2,35 mm	26 mm	RBCB162AL	500 205 408 298	016
<b>HP</b>	Ø2,35 mm	44,5 mm	HBCB162A	500 104 408 298	016

max. 100 000 min<sup>-1</sup>

**016** = max. 160 000 min<sup>-1</sup>

## BCB 163 A



HM	Ref.	ISO no	L (mm)	5,0	
<b>RA</b> standard	Ø1,6 mm	22 mm	RBCB163A	500 204 408 298	014
<b>HP</b>	Ø2,35 mm	44,5 mm	HBCB163A	500 104 408 298	014

max. 100 000 min<sup>-1</sup>

## BCB 166



HM	Ref.	ISO no	L (mm)	10,0	
<b>RA</b> standard	Ø1,6 mm	22 mm	RBCB166A	500 204 409 297	021
<b>RA</b> long	Ø2,35 mm	26 mm	RBCB166AL	500 205 409 297	021
<b>HP</b>	Ø2,35 mm	44,5 mm	HBCB166A	500 104 409 297	021

max. 100 000 min<sup>-1</sup>

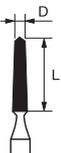
## BCB 166 A



HM	Ref.	ISO no	L (mm)	10,0	
<b>RA</b> standard	Ø2,35 mm	22 mm	RBCB166A	500 204 409 298	021
<b>RA</b> long	Ø2,35 mm	26 mm	RBCB166AL	500 205 409 298	021
<b>HP</b>	Ø2,35 mm	44,5 mm	HBCB166A	500 104 409 298	021

max. 100 000 min<sup>-1</sup>

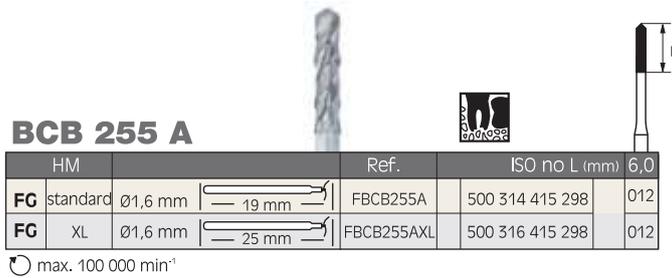
## BCB 167



HM	Ref.	ISO no	L (mm)	11,0	
<b>HP</b>	Ø2,35 mm	44,5 mm	HBCB167	500 104 410 297	023

max. 100 000 min<sup>-1</sup>

## KEMİK KESİCİ FREZLER / BONE CUTTERS / KNOCHENFRASER



### BCB255A

Karbid Kemik Kesici  
Tungsten Carbide bone cutter

#### Çene Ameliyatlarında Hassasiyet – Karbid Kemik Kesici BCB 255A

Bosphorus, dişçilik alanında çene ameliyatları için oldukça iyi yapılandırılmış bir rotatif diş cihazları yelpazesine sahiptir. Bunlar klasik frezlerden çapraz bıçaklı kemik kesicilere kadar uzanır. Çene ameliyatları için üretilmiş ve bu seriye en son eklenen yenilikçi BCB255A'dır. Özel bıçak geometrisi sayesinde, bu Karbid kemik kesici ile etkin kemik operasyonları yapılabilmektedir. Etkili kesme özelliği ile, BCB255A sadece kemik kesmek için değil, diş kökleri gibi sert maddeleri ayırmak için de kullanılır.

#### BCB 255A – İndikasyon

- Gömülü olan yirmilik dişlerin açığa çıkarılması ve ayrılması için kullanılır.
- Kemiğin ve kemik kapaklarının hazırlanmasında kullanılır.
- Apikektomi

#### Kullanım Önerileri:

Keskin ve bozulmamış bıçaklar ile 80.000 rpm devirde ve düşük bir temas baskısı sayesinde Bosphorus Karbid frezleri kullanarak hassas ve güvenli ameliyatlara gerçekleştirmek mümkündür. Her ne kadar frezler otoklavda steriliz edilseler dahi, çok kuvvetli dezenfektan kullanımı (pH değerleri 9.5 ile 10.5 arası tavsiye edilir) veya cihazların uzun süre solüsyonda bekletilmesi tavsiye edilmez.

Bunlar frezi tamir edilemeyecek derece hasar verebilmekle beraber frezlerin ömrünü azaltacaklardır.

#### Precision in jaw surgery – Tungsten Carbide bone cutter BCB255A

BOSPHORUS offers a well-established range of dental rotary instruments for jaw surgery in the dental practice from the classic round bur via Lindemann bone cutters to bone cutters with staggered toothing. The most recent innovation within our range of instruments for jaw surgery is the BCB255A. Thanks to its special blade geometry, this Tungsten Carbide bone cutter ensures a conservative preparation. Due to its efficient cutting ability, the BCB 255 A is not only suited for cutting bone tissue, but also for hard tooth substance, for example for separating tooth roots.

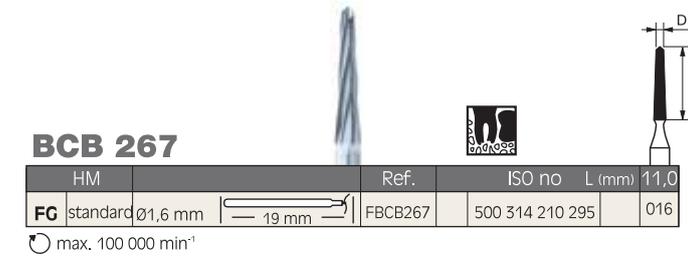
#### BCB 255A – İndication

- Exposing and separating impacted wisdom teeth
- Preparation of bone and bone lids
- Apical ectomy

#### Recommendations for use

A precise and safe operation can be carried out using the tissue-friendly BOSPHORUS Tungsten Carbide instruments (BCB) with sharp and unmarred blades at a working speed of 80 000 rpm and low contact pressure. Although all instruments can be sterilized in the autoclave, it is neither recommended to use too aggressive disinfection agents (recommended pH value 9.5 to 10.5) nor to let the instruments immerse in the solution for a longer period of time.

Both can lead to irreversible damages to the instrument and considerably reduce its service life



### BCB 269

HM	Ref.	ISO no	L (mm)
FG standard	FBCB269	500 314 199 295	016

max. 160 000 min<sup>-1</sup>

### BCB 269 GK

HM	Ref.	ISO no	L (mm)
FG standard	FBCB269GK	500 314 219 295	016

max. 160 000 min<sup>-1</sup>



Vener acrylics

opt. 15 000



**Standart**  
Conventional  
Düzeltilme - Trimming  
Sayfa / Pages 76 - 77  
**AX**



Dry plaster / Model plaster

opt. 10 000



**CX**  
Sayfa / Pages 77  
Hızlı Kesiciler  
Bulk reduction



Wet plaster / Model plaster

opt. 10 000



**SCX/A**  
Sayfa / Pages 77  
Pürüzlendirme  
Roughening



Precious metals / Non-precious metal alloys

opt. 12 000\*  
-25 000\*



**DX**   
Sayfa / Pages 78  
Pürüzlendirme  
Roughening



Non-precious metal alloys / Precious metals / Model cast / Veneer acrylics

opt. 15 000\*  
-25 000\*



**FX**   
Sayfa / Pages 79  
Pürüzsüz Düzeltilme  
Corrections - smoothing



Titanium / Non - precious metal alloys

opt. 15 000\*



**GTX**   
Sayfa / Pages 81  
Kesici / Cutting



Non-precious metal alloys / Precious metals / Model cast / Veneer acrylics

opt. 15 000\*  
-25 000\*



**MX**  
Sayfa / Pages 82 - 83  
Pürüzsüz Düzeltilme  
Trimming - smoothing



Soft relinings / Denture acrylics / Non-precious metal alloys  
Precious metal alloys / Model cast alloys / veneer acrylics

opt. 15 000\*



**QFX**   
Sayfa / Pages 84  
Pürüzsüz Düzeltilme  
Trimming - smoothing



Soft acrylics / Temporary appliances

opt. 15 000\*



**QX**   
Sayfa / Pages 85  
Pürüzsüz Düzeltilme  
Trimming - smoothing



Hard non-precious metal alloys

opt. 15 000\*



**TX**   
Sayfa / Pages 86  
Toplu Düzeltilme  
Trimming - contouring



Non-precious metal alloys / Precious metals / Model cast  
Veneer acrylics / Soft ceramics

opt. 15 000\*  
-25 000\*



**VFX**   
Sayfa / Pages 87  
Pürüzsüz Düzeltilme  
Trimming - smoothing

15000\* = non-precious metal alloys

STANDARD KESİCİLER / CONVENTIONAL CUTTERS / NORMALVERZAHNUNG



Vener acrylics

opt. 15 000



Standart  
Conventional  
Düzeltilme -Trimming

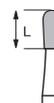
**BCC 71**



HM	Ref.	ISO no	L (mm)
HP standard	HBCC71	500 104 001 175	4,0 5,0

040 = max. 100 000 min<sup>-1</sup>  
050 = max. 80 000 min<sup>-1</sup>

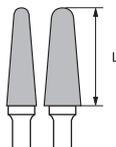
**BCC 77**



HM	Ref.	ISO no	L (mm)
HP	HBCC77	500 104 237 175	11,0

060 = max. 50 000 min<sup>-1</sup>

**BCC 79**



HM	Ref.	ISO no	L (mm)
HP	HBCC79	500 104 194 175	13,0 13,0

040 = max. 100 000 min<sup>-1</sup>  
050 = max. 80 000 min<sup>-1</sup>

**BCC 98**



HM	Ref.	ISO no	L (mm)
HP	HBCC98	500 104 547 211	1,6

010 = max. 100 000 min<sup>-1</sup>

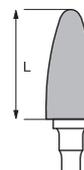
**BCC 219**



HM	Ref.	ISO no	L (mm)
HP	HBCC219	500 104 468 211	13,0

023 = max. 80 000 min<sup>-1</sup>

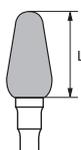
**BCC 251**



HM	Ref.	ISO no	L (mm)
HP	HBCC251	500 104 274 175	14,0

050 = max. 80 000 min<sup>-1</sup>

**BCC 351**



HM	Ref.	ISO no	L (mm)
HP	HBCC351	500 104 263 175	11,0

050 = max. 80 000 min<sup>-1</sup>

## AX KESİCİLER / AX CUTTERS / AX VERZAHNUNG



Vener acrylics

opt. 15 000



**AX**

Düzeltilme - Trimming



### BCC 79 AX

HM	Ref.	ISO no	L (mm)
HP	HBCC79AX	500 104 XXX XXX	070

max. 50 000 min<sup>-1</sup>



### BCC 251 AX

HM	Ref.	ISO no	L (mm)
HP	HBCC251AX	500 104 274 XXX	060

max. 50 000 min<sup>-1</sup>

## CX KESİCİLER / CX CUTTERS



Dry plaster / Model plaster

opt. 10 000



**CX**

Hızlı Kesiciler  
Bulk reduction



### BCC 79 CX

HM	Ref.	ISO no	L (mm)
HP	HBCC79CX	500 104 194 220	070

max. 30 000 min<sup>-1</sup>



### BCC 251 CX

HM	Ref.	ISO no	L (mm)
HP	HBCC251CX	500 104 274 220	060

max. 50 000 min<sup>-1</sup>

## SCX KESİCİLER / SCX CUTTERS



Wet plaster / Model plaster

opt. 10 000



**SCX/A**

Pürüzlendirme  
Roughening



### BCC 79 SCX

HM	Ref.	ISO no	L (mm)
HP	HBCC79SCX	500 104 194 223	070

max. 30 000 min<sup>-1</sup>



### BCC 251 SCXA

HM	Ref.	ISO no	L (mm)
HP	HBCC251SCXA	500 104 274 225	060

max. 50 000 min<sup>-1</sup>

**DX KESİCİLER / DX CUTTERS / DX VERZAHNUNG**



Precious metals / Non-precious metal alloys

opt. 12 000\*  
-25 000\*



**DX**

Pürüzlendirme  
Roughening

**BCC 73 DX**

HM	Ref.	ISO no	L (mm)
HP	HBCC73DX	500 104 277 141	014 023

**BCC 79 DX**

HM	Ref.	ISO no	L (mm)
HP	HBCC79DX	500 104 194 141	031 040

**BCC 129 DX**

HM	Ref.	ISO no	L (mm)
HP	HBCC129DX	500 104 141 141	023

**BCC 136 DX**

HM	Ref.	ISO no	L (mm)
HP	HBCC136DX	500 104 184 141	016

**BCC 138 DX**

HM	Ref.	ISO no	L (mm)
FG	HBCC138DX	500 104 198 141	023

**BCC 139 DX**

HM	Ref.	ISO no	L (mm)
HP	HBCC139DX	500 104 289 141	023

**BCC 251 DX**

HM	Ref.	ISO no	L (mm)
HP	HBCC251DX	500 104 274 141	060

**BCC 261 DX**

HM	Ref.	ISO no	L (mm)
HP	HBCC261DX	500 104 194 141	023

max. 50 000 min

**BCC 351 DX**

HM	Ref.	ISO no	L (mm)
HP	HBCC351DX	500 104 263 141	040

# FX KESİCİLER / FX CUTTERS / FX VERZAHNUNG



Non-precious metal alloys / Precious metals / Model cast / Veneer acrylics

opt. 15 000\*  
-25 000\*



**FX**

**Pürüzsüz Düzeltme**  
Corrections - smoothing

**BCC 71 FX**





HM	Ref.	ISO no	L (mm)	1,0	1,4	2,3
HP	HBCC71FX	500 104 001 140	44,5	010	014	023

**BCC 73 FX**





HM	Ref.	ISO no	L (mm)	3,1	4,2
HP	HBCC73FX	500 104 277 140	44,5	014	023

**BCC 77 FX**

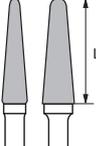




HM	Ref.	ISO no	L (mm)	5,0	5,0
HP	HBCC77FX	500 104 237 140	44,5	023	029

**BCC 79 FX**





HM	Ref.	ISO no	L (mm)	13,0	13,0
HP	HBCC79FX	500 104 194 140	44,5	031	040

**BCC 129 FX**





HM	Ref.	ISO no	L (mm)	8,0
HP	HBCC129FX	500 104 141 140	44,5	023

**BCC 136 FX**





HM	Ref.	ISO no	L (mm)	8,0
HP	HBCC136FX	500 104 184 140	44,5	016

**BCC 137 FX**





HM	Ref.	ISO no	L (mm)	5,0
HP	HBCC137FX	500 104 225 140	44,5	023

**BCC 138 FX**

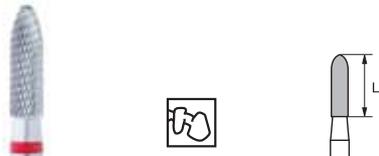




HM	Ref.	ISO no	L (mm)	8,0
HP	HBCC138FX	500 104 198 140	44,5	023

FX KESİCİLER / FX CUTTERS / FX VERZAHNUNG

**BCC 139 FX**



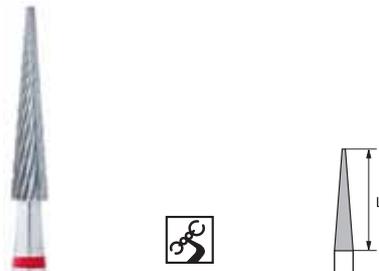
HM	Ref.	ISO no	L (mm)
HP	HBCC139FX	500 104 289 140	8,0

**BCC 251 FX**



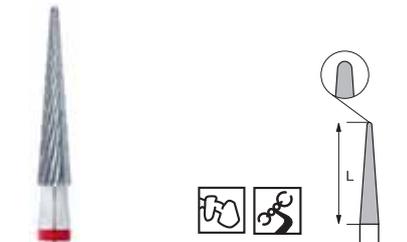
HM	Ref.	ISO no	L (mm)
HP	HBCC251FX	500 104 274 140	14,0

**BCC 257 FX**



HM	Ref.	ISO no	L (mm)
HP	HBCC257FX	500 104 187 140	13,0

**BCC 257R FX**



HM	Ref.	ISO no	L (mm)
HP	HBCC257RFX	500 104 201 140	13,0

**BCC 261 FX**



HM	Ref.	ISO no	L (mm)
HP	HBCC261FX	500 104 194 140	13,0

**BCC 295 FX**



HM	Ref.	ISO no	L (mm)
HP	HBCC295FX	500 104 292 140	15,0

**BCC 351 FX**



HM	Ref.	ISO no	L (mm)
HP	HBCC351FX	500 104 263 140	8,0

max. 50 000 min<sup>-1</sup>

**BCC 364 R FX**



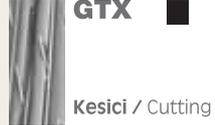
HM	Ref.	ISO no	L (mm)
HP	HBCC354RFX	500 104 364 140	14,0

# GTX KESİCİLER / GTX CUTTERS / GTX VERZAHNUNG



Titanium / Non - precious metal alloys

opt. 15 000\*



## BCC 79 GTX

HM	Ref.	ISO no	L (mm)
HP	HBCC79GTX	500 104 XXX XXX	13,0

max. 100 000 min<sup>-1</sup>



## BCC 129 GTX

HM	Ref.	ISO no	L (mm)
HP	HBCC129GTX	500 104 XXX XXX	8,0

max. 100 000 min<sup>-1</sup>

Titanyum ve benzeri değerli metallerin kesimi için oldukça etkili bir kesicidir.

The highly efficient specialists for cutting titanium and other non-precious metals.

### Avantajları:

- Seri bir şekilde hacim azaltmak
- Uzun ömür
- Özel olarak uyarlanmış şekil ve boyutlar

### Advantages:

- Rapid bulk reduction
- Long service life
- Specifically adapted shapes and sizes

### Önerilen Kullanım Hızı:

15000 rpm

### Recommended speed:

15 000 rpm

(Yüksek hızda kullanımlar cihazın bıçaklarına zarar vermekle birlikte titanyum üzerinde yapılan çalışmalarda kıvılcıma sebebiyet verecektir.)

(Increased speed will damage the instrument blades and lead to spark generation when working on titanium)



## BCC 136 GTX

HM	Ref.	ISO no	L (mm)
HP	HBCC136GTX	500 104 XXX XXX	8,0

max. 100 000 min<sup>-1</sup>



## BCC 138 GTX

HM	Ref.	ISO no	L (mm)
HP	HBCC138GTX	500 104 XXX XXX	8,0

max. 100 000 min<sup>-1</sup>



## BCC 139 GTX

HM	Ref.	ISO no	L (mm)
HP	HBCC139GTX	500 104 XXX XXX	8,0

max. 100 000 min<sup>-1</sup>



## BCC 251 GTX

HM	Ref.	ISO no	L (mm)
HP	HBCC251GTX	500 104 XXX XXX	14,0

max. 50 000 min<sup>-1</sup>

**MX KESİCİLER / MX CUTTERS / MX VERZAHNUNG**



Non-precious metal alloys / Precious metals / Model cast / Veneer acrylics

opt. 15 000\*  
-25 000\*



**MX**

**Pürüzsüz Düzeltme**  
Trimming - smoothing

**BCC 71 MX**



HM	Ref.	ISO no	1,4	2,3	5,0
HP	HBCC71MX	500 104 001 190	014	023	050

050 = max. 80 000 min<sup>-1</sup>

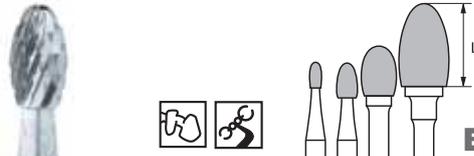
**BCC 72 MX**



HM	Ref.	ISO no	L (mm)
HP	HBCC72MX	500 104 137 190	060

max. 50 000 min<sup>-1</sup>

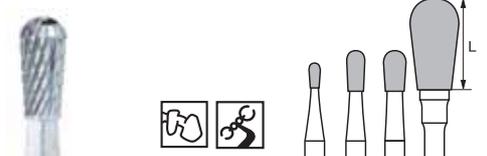
**BCC 73 MX**



HM	Ref.	ISO no	3,1	4,2	6,0	10,0
HP	HBCC73MX	500 104 277 190	014	023	040	060

060 = max. 50 000 min<sup>-1</sup>

**BCC 77 MX**



HM	Ref.	ISO no	2,9	5,0	5,0	11,0
HP	HBCC77MX	500 104 237 190	014	023	040	060

060 = max. 50 000 min<sup>-1</sup>

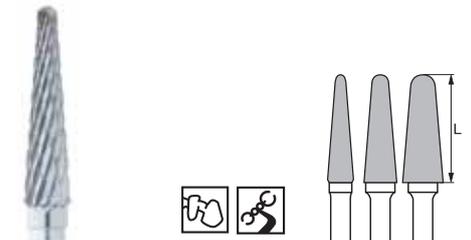
**BCC 78 MX**



HM	Ref.	ISO no	3,5	6,0	12,0
HP	HBCC78MX	500 104 257 190	012	023	060

060 = max. 50 000 min<sup>-1</sup>

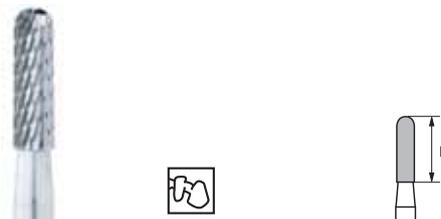
**BCC 79 MX**



HM	Ref.	ISO no	13,0	13,0	13,0
HP	HBCC79MX	500 104 194 190	031	040	050

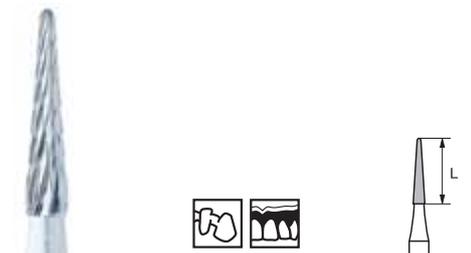
050 = max. 80 000 min<sup>-1</sup>

**BCC 129 MX**



HM	Ref.	ISO no	L (mm)
HP	HBCC129MX	500 104 141 190	023

**BCC 136 MX**



HM	Ref.	ISO no	L (mm)
HP	HBCC136MX	500 104 184 190	016

# MX KESİCİLER / MX CUTTERS / MX VERZAHNUNG

## BCC 137 MX

HM	Ref.	ISO no	L (mm)
HP	HBCC137MX	500 104 225 190	016

## BCC 138 MX

HM	Ref.	ISO no	L (mm)
HP	HBCC138MX	500 104 196 190	014
HP	HBCC138MX	500 104 198 190	023

## BCC 139 MX

HM	Ref.	ISO no	L (mm)
HP	HBCC139MX	500 104 289 190	023

## BCC 250 MX

HM	Ref.	ISO no	L (mm)
HP	HBCC250MX	500 104 XXX 190	040

## BCC 251 MX

HM	Ref.	ISO no	L (mm)
HP	HBCC251MX	500 104 274 190	040 060

080 =  $\varnothing$  max. 50 000 min<sup>-1</sup>

## BCC 257 RMX

HM	Ref.	ISO no	L (mm)
HP	HBCC257RMX	500 104 201 190	023 060

060 =  $\varnothing$  max. 50 000 min<sup>-1</sup>

## BCC 261 MX

HM	Ref.	ISO no	L (mm)
HP	HBCC261MX	500 104 194 190	023

## BCC 295 MX

HM	Ref.	ISO no	L (mm)
HP	HBCC295MX	500 104 292 190	023

## BCC 351 MX

HM	Ref.	ISO no	L (mm)
HP	HBCC351MX	500 104 263 190	040 060

060 =  $\varnothing$  max. 50 000 min<sup>-1</sup>

## BCC 364 R MX

HM	Ref.	ISO no	L (mm)
HP	HBCC364RMX	500 104 137 190	023

## QFX KESİCİLER / QFX CUTTERS / QFX VERZAHNUNG



Soft relinings / Denture acrylics / Non-precious metal alloys  
Precious metal alloys / Model cast alloys / veneer acrylics

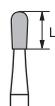
opt. 15 000\*



**QFX**

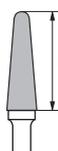
Pürüzsüz Düzeltilme  
Trimming - smoothing

### BCC 77 QFX



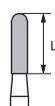
HM	Ref.	ISO no	L (mm)
HP	HBCC77QFX	500 104 237 134	5,0

### BCC 79 QFX



HM	Ref.	ISO no	L (mm)
HP	HBCC138QFX	500 104 194 134	13,0

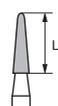
### BCC 129 QFX



HM	Ref.	ISO no	L (mm)
HP	HBCC129QFX	500 104 141 134	8,0

max. 100 000 min<sup>-1</sup>

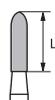
### BCC 138 QFX



HM	Ref.	ISO no	L (mm)
HP	HBCC138QFX	500 104 198 134	8,0

max. 100 000 min<sup>-1</sup>

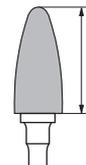
### BCC 139 QFX



HM	Ref.	ISO no	L (mm)
HP	HBCC139QFX	500 104 289 134	8,0

max. 100 000 min<sup>-1</sup>

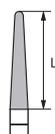
### BCC 251 QFX



HM	Ref.	ISO no	L (mm)
HP	HBCC251QFX	500 104 274 134	14,0

max. 50 000 min<sup>-1</sup>

### BCC 261 QFX



HM	Ref.	ISO no	L (mm)
HP	HBCC261QFX	500 104 194 134	13,0

max. 100 000 min<sup>-1</sup>



# QX KESİCİLER / QX CUTTERS / QX VERZAHNUNG



Soft acrylics / Temporary appliances

opt. 15 000\*

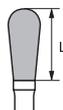


**QX**



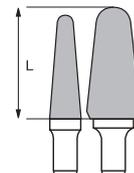
Pürüzsüz Düzeleme  
Trimming - smoothing

## BCC 77 QX



HM	Ref.	ISO no	L (mm)
HP	HBCC77QX	500 104 237 XXX	040

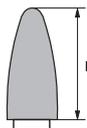
## BCC 79 QX



HM	Ref.	ISO no	L (mm)
HP	HBCC79QX	500 104 194 XXX	040 070

max. 30 000 min<sup>-1</sup>

## BCC 251 QX



HM	Ref.	ISO no	L (mm)
HP	HBCC251QX	500 104 274 XXX	060

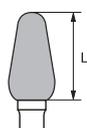
max. 50 000 min<sup>-1</sup>

## BCC 261 QX



HM	Ref.	ISO no	L (mm)
HP	HBCC261QX	500 104 194 XXX	023

## BCC 351 QX



HM	Ref.	ISO no	L (mm)
HP	HBCC351QX	500 104 263 XXX	060

max. 50 000 min<sup>-1</sup>

TX KESİCİLER / TX CUTTERS / TX VERZAHNUNG



Hard non-precious metal alloys

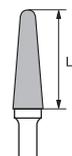


TX

Toplu Düzelme  
Trimming - contouring

**BCC 79 TX**

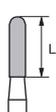




HM	Ref.	ISO no	L (mm)
HP	HBCC79TX	500 104 194 XXX	13,0

**BCC 129 TX**

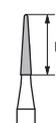




HM	Ref.	ISO no	L (mm)
HP	HBCC129TX	500 104 141 XXX	8,0

**BCC 136 TX**

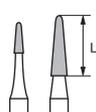




HM	Ref.	ISO no	L (mm)
HP	HBCC136TX	500 104 184 XXX	8,0

**BCC 138 TX**

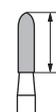




HM	Ref.	ISO no	L (mm)
HP	HBCC138TX	500 104 193 XXX	4,0 / 8,0

**BCC 139 TX**

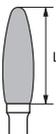




HM	Ref.	ISO no	L (mm)
HP	HBCC139TX	500 104 289 XXX	8,0

**BCC 250 TX**

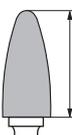




HM	Ref.	ISO no	L (mm)
HP	HBCC250TX	500 104 XXX XXX	12,7

**BCC 251 TX**

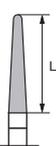




HM	Ref.	ISO no	L (mm)
HP	HBCC251TX	500 104 274 XXX	14,0

**BCC 261 TX**





HM	Ref.	ISO no	L (mm)
HP	HBCC261TX	500 104 194 XXX	13,0

max. 50 000 min<sup>-1</sup>

# VFX KESİCİLER / VFX CUTTERS / VFX VERZAHNUNG



Non-precious metal alloys / Precious metals / Model cast  
Veneer acrylics / Soft ceramics

opt. 15 000\*  
-25 000\*



**VFX**

Pürüzsüz Düzeltme  
Trimming - smoothing

**BCC 73 VFX**

HM	Ref.	ISO no	L (mm)
HP	HBCC73VFX	500 104 277 110	3,1 4,2

**BCC 77 VFX**

HM	Ref.	ISO no	L (mm)
HP	HBCC77VFX	500 104 237 110	5,0

**BCC 79 VFX**

HM	Ref.	ISO no	L (mm)
HP	HBCC79VFX	500 104 194 110	13,0 13,0

**BCC 129 VFX**

HM	Ref.	ISO no	L (mm)
HP	HBCC129VFX	500 104 141 110	8,0

**BCC 136 VFX**

HM	Ref.	ISO no	L (mm)
HP	HBCC136VFX	500 104 184 110	8,0

**BCC 138 VFX**

HM	Ref.	ISO no	L (mm)
HP	HBCC138VFX	500 104 198 110	8,0

**BCC 139 VFX**

HM	Ref.	ISO no	L (mm)
HP	HBCC139VFX	500 104 289 110	8,0

**BCC 251 VFX**

HM	Ref.	ISO no	L (mm)
HP	HBCC251VFX	500 104 274 110	14,0

max. 50 000 min<sup>-1</sup>

**BCC 257 VFX**

HM	Ref.	ISO no	L (mm)
HP	HBCC257VFX	500 104 187 110	13,0

**BCC 261 VFX**

HM	Ref.	ISO no	L (mm)
HP	HBCC261VFX	500 104 194 110	13,0

## SERTİFİKALAR / CERTIFICATIONS / ZERTIFIKATE

