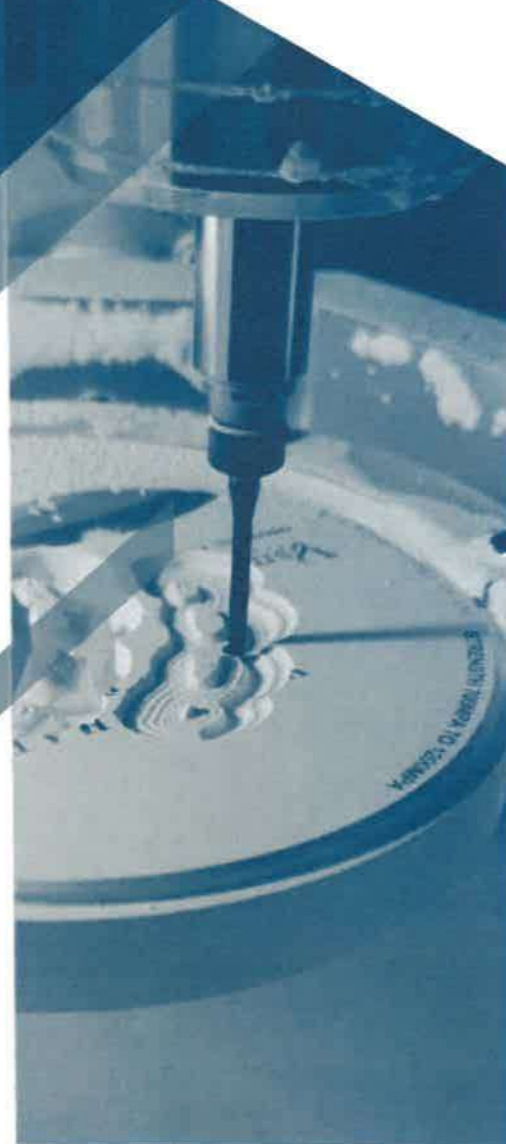


Dumont Instruments & Co
CARBIDE END MILLS

Stable Quality |
Complete Range |
High Efficiency And Wear Resistance |

High performance dental milling
tools designed specially for dental
milling systems



Dumont mainly deals in various zirconia burs, glass ceramic burs, metal burs and resin burs. We choose ultra-fine-grained cemented carbide material from Germany. The bur is manufactured with the world's leading CNC equipment with more than five axes and advanced technology, and its performance is greatly improved compared to ordinary burs. The product has the characteristics of high precision, stable quality, sharp milling edge, good chip removal performance, wear resistance, and high processing efficiency. **Dumont** has launched a number of cemented carbide tools and will continue to develop new and more advanced milling burs. At the same time, we can customize according to customer needs. Welcome to consult.

Each tool is labeled with a code to make it easy to identify.
It is structured as follows:

Machine Brand

VHF-VHF
Aidite-AD
Roland-RL
Dentium-DT
Sirona MC X5-MX

Arum-AR
Xtcera-XT
Redon-RD
Zirkonzahn-ZZ
Imes-icore-IMS

UP3D-UP
Wieland-WL
Yenadent-YN
Amann Girrbach-AG
Ivoclar Programill-PM

Coating

TISIN Coating- TS

Silicon Carbide Coating-SIC

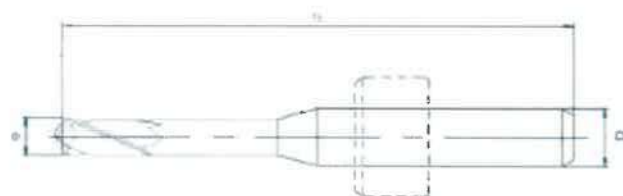
Universal Tools-UL: CVD, DC, DLC and No Coating(refer to page 04)

Cutting Edge:

F- Flat End Tool
D- Drill Mill Tool

B- Ball End Tool
R- Radius Tool

T- Torus Tool



φ: Head dia(mm)

D: Shank dia(mm)

TL: Overall length(mm)

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COATINGS:

Real Diamond Coating (CVD)

Chemical vapour deposition (CVD) is an established technology for coating a wide range of metal cutting tools, it can increase the life of a cutting tool by as much as 20 times the life of an uncoated tool. In addition the cutting efficiency, cutting speeds and the quality of cutting of the workpiece are significantly improved by surface engineering. Recommended Application: Zirconia

Diamond Coating (DC)

A DC diamond coating offers outstanding performance, which is ideal for machining highly abrasive materials such as Zirconium oxide (zirconia). The lifespan of a diamond tool is several times higher than that of tools that are not coated with real diamond.

The Difference Is Significant

Recommended Application: Zir PMMA Acrylic PEEK Wax

Diamond Liked Coating (DLC)

DLC, or diamond-like carbon, coatings are thin films that are deposited on other materials to provide many of the beneficial properties commonly associated with diamonds, such as hardness. The composition applied to the tools, Ta-C, is a hydrogen-free carbon coating with a high sp³/sp² ratio. It offers high thermal stability, in addition to its high hardness and coating adhesion.

Recommended Application: Zirconia, PMMA, Acrylic, PEEK, wax.

Titanium-Silicon-Nitride (TiSiN)

APVD multilayer coating is characterized with low adhesion tendency. This coating allows working under high temperatures of up to 1100°C, thus making it ideal for machining metals such as Titanium and Cobalt-Chrome.

Recommended Application: Titanium/CoCr

Compatible With
ROLAND



Burs No.	Head dia. (D1)	Shank dia. (D2)	Overall length (L1)	Coating	Millable Materials	Compatible Machine	MFG
RL101UL	0.3	4.0	50.0	DC/ DLC/ NC	Zir PMMA Acrylic PEEK Wax	Roland DWX-52DC / DWX-53DC / DWX-52D plus	ZCB-150-US(Uncoated)
RL102UL	0.6			ZDB-300-US(DC) ZPB-300(DLC) ZCB-300-US(NC)			
RL103UL	1.0			ZDB-500-US(DC) ZPB-500(DLC) ZCB-500-US(NC)			
RL104UL	2.0			ZDB-1000-US(DC) ZPB-1000(DLC) ZCB-1000-US(NC)			
RL105UL-L	0.3	4.0	50.0	DC/ DLC/ NC	Zir PMMA Acrylic PEEK Wax	Roland DWX-52DC / DWX-53DC / DWX-52D plus	Long Neck Special Designed for 40mm Disk
RL106UL-L	0.6						
RL107UL-L	1.0						
RL108UL-L	2.0						

Compatible With ROLAND

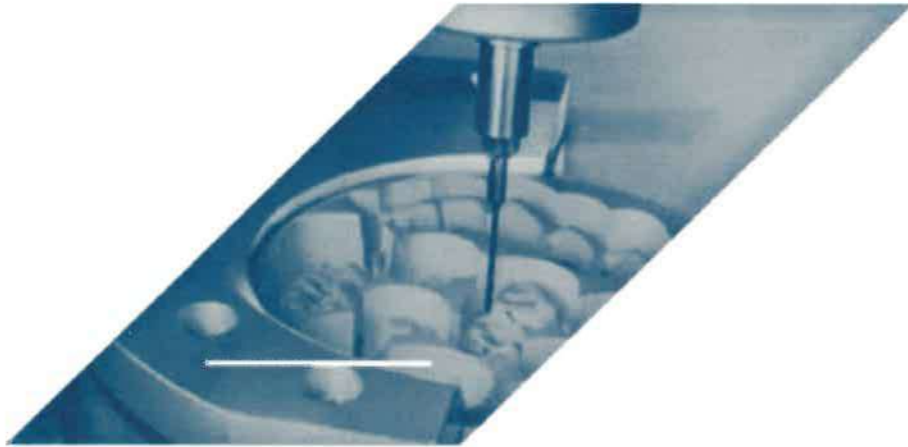


Burs No.	Head dia. (mm)	Shank dia. (mm)	Overall length (mm)	Coating	Millable Materials	Compatible Machine	MFG
RL201ULF	0.6	4.0	50.0	DC/DLC	Zir	Roland DWX-52DCI / DWX-52D plus	PT06-10
RL202ULF	1.0						PT1-20
RL203ULF	1.5						PT2-20
RL204ULF	2.0						
RL205ULF-L	0.6	4.0	50.0	DC/DLC	Zir	Roland DWX-52DCI DWX-52D plus	Special Designed for milling extra long screw channels
RL206ULF-L	1.0						
RL207ULF-L	1.5						
RL208ULF-L	2.0						
RL301SIC	0.6	3.0	40.0	SiC	Glass Ceramic	Roland DWX-42W	ZGB2-250(High Quantity) ZGB-250
RL302SIC	1.0						ZGB2-500(High Quantity) ZGB-500
RL303SIC	2.5						ZGB2-1250(High Quantity) ZGB-1250

Compatible With AMANN GIRRBACH

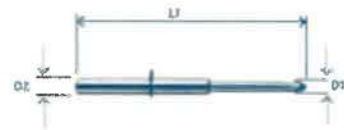


Burs No.	Head dia. (mm)	Shank dia. (mm)	Overall length (mm)	Coating	Millable Materials	Compatible Machine	Remark
AG101UL	0.3	3.0	47.0	DC/ DLC/NC	Zir PMMA Acrylic PEEK Wax	Ceramill Matik / Motion 2 / Motion 3	760663(DC) 760667(DLC) 760671(NC)
AG102UL	0.6			CVD/DC/ DLC/NC			760662(DC) 760666(DLC) 760670(NC)
AG103UL	1.0						760661(DC) 760665(DLC) 760669(NC)
AG104UL	2.5						760660(DC) 760664(DLC) 760668(NC)
AG101ULF	0.6	3.0	47.0	DC/ DLC/NC	Zir PMMA Acrylic PEEK Wax	Ceramill Matik / Motion 2 / Motion 3	Special Designed For very precise milling
AG102ULF	1.2						760694
AG201SIC	0.4	3.0	43.0	SiC	Glass Ceramic	Ceramill Matik / Motion 2 / Motion 3	760679
AG202SIC	1.0						760678
AG203SIC	1.4						760677
AG204SIC	1.8						760676
AG301TS	1.0	3.0	43.0	TiSiN	Titanium CoCr	Ceramill Matik / Motion 2 / Motion 3	760673
AG302TS	2.0						760672



Compatible With

VHF



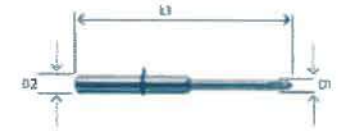
Blis No.	Head dia	Shank dia	Overall length	Coating	Millable Materials	Compatible Machine	MFG
VHF101UL	0.3	3.0	35.0	DC/DLC/NC	Zir PMMA Acrylic PEEK Wax	VHF K1 / K2 / K4 / Z4 / S5	U030-R2-35
VHF102UL	0.6						Z060-R2D-35*(DC) U060-R2-35
VHF103UL	1.0						Z100-R2D-35(DC) Z100-R2-35(DLC) P100-R2-35(NC)
VHF104UL	2.0						Z200-R3D-35*(DC) Z200-R3-35*(DLC) P200-R2-35(NC)
VHF101ULF	1.2	3.0	35.0	DC/DLC	Zir	VHF K1 / K2 / K4 / Z4 / S5	Z120-F2D-35*
VHF102ULF	2.5			NC	PMMA Acrylic Wax		P250-F1-35(Flat-End Single-Blade)

* The short diamond-coated tools may only be used for milling zirconium with Z4 | N4 | N4+ | K4 edition; they must not be used in K4 due to their lacking electric conductivity



Compatible With

VHF



Burs No.	Head dia A	Shank dia C	Overall length L	Coating	Millable Materials	Compatible Machine	MFG
VHF201UL	0.3	3.0	40.0	DC/ DLC/ NC	Zir PMMA Acrylic PEEK Wax	VHF K5 / R5 / S1 / S2	U030-R2-40
VHF202UL	0.6			CVD/DC/ DLC/ NC			Z060-R2D-40(DC) U060-R2-40
VHF203UL	1.0						Z100-R2D-40(DC) P100-R2-40(NC) P100-R1- 40(NC-Single blade)
VHF204UL	2.0						Z200-R3D-40(DC) P200-R2-40(NC) P200-R1-40(NC-Single blade)
VHF205UL	2.5						
VHF206ULF	1.2	3.0	40.0	DC/DLC	Zir	VHF K5 / R5 / S1 / S2	Z120-F2D-40
VHF207ULF	2.5			NC	PMMA PEEK Wax		P250-F1-40
VHF301SIC	0.6	3.0	35.0	SIC	Glass Ceramic	VHF R5 / Z4 / N4 / N4+ / S5	G060-R-35 G060-T-35
VHF302SIC	1.0						G100-R-35
VHF303SIC	2.4						G240-R-35
VHF304SIC	2.6						
VHF401TS	0.6	3.0	32.0	TiSiN	Titanium CoCr	VHF Z4 / N4 / N4+	M060-R2-32
VHF402TS	1.0						M100-R2-32
VHF403TS	2.0						M200-R4-32
VHF501TS	0.6	3.0	35.0	TiSiN	Titanium CoCr	VHF R5 / S1 / S2 / S5	M060-R2-35
VHF502TS	1.0						M100-R2-35
VHF503TS	2.0						M200-R4-35
VHF504TSP	1.2	3.0	35.0	TiSiN	Titanium CoCr	VHF R5 / S1 / S2 / S5	M120-T2-35

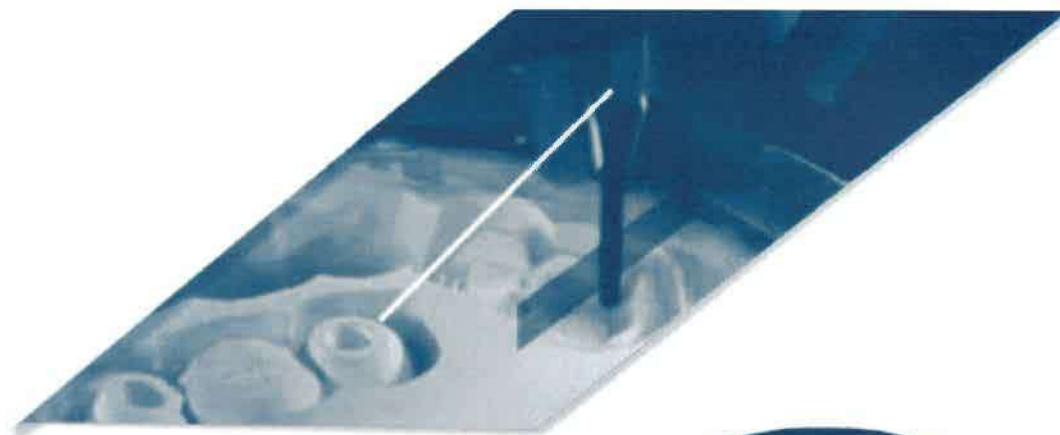
* Titanium may only be wet milled - only possible with R5 Z4 N4 N4+ S1 S2 S5.



Compatible With
YENADENT



Bur's No.	Head dia. (D2)	Shank dia. (D1)	Overall length (L1)	Coating	Millable Materials	Compatible Machine
YN101UL	0.3	4.0	41.0	DC/ DLC/NC	Zr PMMA Acrylic PEEK Wax	D10 / D15 / D16 / D43 / D40
YN102UL	0.6		46.0	CVD/DC/ DLC/NC		
YN103UL	1.0					
YN104UL	2.0					
YN201SIC	0.6	4.0	45.0	SIC	Glass Ceramic	D10 / D15 / D40
YN202SIC	1.0					
YN203SIC	2.0					
YN301TSF	1.4	4.0	37.5	TiSiN	Titanium CoCr	DC 40
YN302TSF	1.8					
YN303TSB	0.6	4.0	45.0	TiSiN	Titanium CoCr	DC 40
YN304TSB	1.0					
YN305TSB	1.5					
YN306TSB	2.0					
YN307TSB	3.0					



Compatible With
DENTIUM

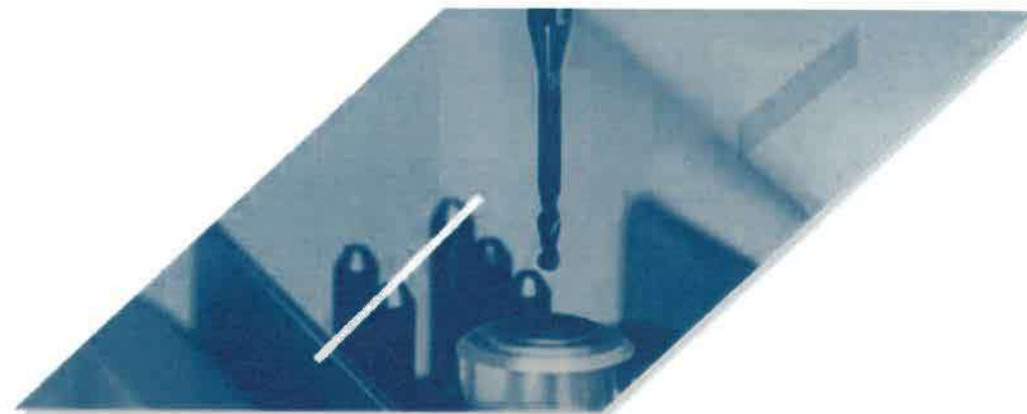


Bur's No.	Head dia (D2)	Shank dia (D1)	Overall length (L1)	Coating	Millable Materials
DT101UL	0.5	3.0	43.0	CVD/DC/ DLC/NC	Zir PMMA Acrylic PEEK Wax
DT102UL	1.0		50.0		
DT103UL	2.0				
DT201UL	0.5	4.0	45.0	CVD/DC/ DLC/NC	Zir PMMA Acrylic PEEK Wax
DT202UL	1.0		50.0		
DT203UL	2.0				
DT301UL	0.5	6.0	50.0	CVD/DC/ DLC/NC	Zir PMMA Acrylic PEEK Wax
DT302UL	1.0				
DT303UL	2.0				
DT401SIC	0.5	6.0	50.0	SIC	Glass Ceramic
DT402SIC	1.0				
DT403SIC	2.0				
DT501TS	1.5	6.0	45.0	TiSiN	Titanium CoCr
DT502TS	2.0				
DT503TS	3.0				

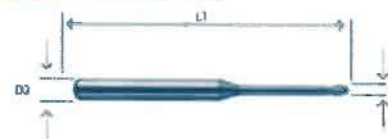
Compatible With
SIRONA MCX5



Burs No.	Head dia (mm)	Shank dia (mm)	Overall length (mm)	Coating	Millable Materials	MFG
MX5101UL	0.5	3.0	42.0	CVD/DC/ DLC/NC	Zir PMMA Acrylic PEEK Wax	6572957 6478056 Yellow 6478114 Red
MX5102UL	1.0		43.0			6572940 6478049 Yellow 6478106 Red
MX5103UL	2.5					6572932 6478031 Yellow 6478198 Red
MX5201SIC	0.6	3.0	35.0	SIC	Glass Ceramic	6542232 White
MX5202SIC	1.2		35.5			6578023 White
MX5203SIC	1.4		37.0			6578015 White
MX5204SIC	2.2		38.0			6578007 White



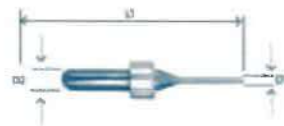
Compatible With
ARUM



Burs No.	Head dia (mm)	Shank dia (mm)	Overall length (mm)	Coating	Millable Materials	Compatible Machine	MFG			
AR101UL	0.6	4.0	45.0	CVD/DC/ DLC/NC	Zir PMMA Acrylic PEEK Wax	5X-400 5X-300pro 5X-300D	ZB-48(Zir)			
AR102UL	1.0		50.0				ZB-47(Zir)			
AR103UL	2.0			NC	PMMA Acrylic PEEK Wax	PB-51(PMMA)				
AR104UL	1.5		PB-49(PMMA)							
AR201SIC	0.6	4.0	41.0	SIC	Glass Ceramic	5X-400 5X-300pro 5X-300D	PB-50(PMMA)			
AR202SIC	1.0		DG-55							
AR203SIC	1.5		44.0				DG-54			
AR204SIC	2.5						DG-53			
AR301TS	1.0	4.0	42	TISIN	Titanium CoCr	5X-400 5X-300pro 5X-300D	DG-52			
AR302TS	1.5		43				MB-60			
AR303TS	2.0		44				MB-59			
							MB-58			

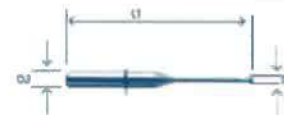


Compatible With IVOCLAR



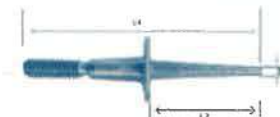
Burs No.	Head dia (D1)	Shank dia (D2)	Overall length (L1)	Coating	Millable Materials	Compatible Machine	MFG
PM401SIC	0.5	6.0	50.0	SIC	Glass Ceramic	Programill Pm7	689021
PM402SIC	1.0						689020
PM403SIC	2.0						689019
PM404SIC	3.0						689018
PM501TS	0.6	6.0	45.0	TiSiN	Titanium CoCr	Programill Pm7	689035
PM502TS	1.0						689034
PM503TS	1.5						689033
PM504TS	2.0						689032
PM505TS	3.0						692445
PM601TSF	3.0						

Compatible With WIELAND



Burs No.	Head dia (D1)	Shank dia (D2)	Overall length (L1)	Coating	Millable Materials	Compatible Machine
WL101UL	0.3	3.0	35.0	DLC/NC	Zir PMMA Acrylic PEEK Wax	Zenotec Mini / Select ion
WL102UL	0.7					
WL103UL	1.0					
WL104UL	2.5					
WL201UL	0.3	3.0	40.0	DLC/NC CVD/DC/ DLC/NC	Zir PMMA Acrylic PEEK Wax	Zenotec Select Hybrid
WL202UL	0.7					
WL203UL	1.0					
WL204UL	2.5					

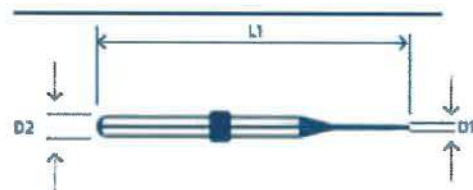
Compatible With Sirona CEREC MCXL



Model	Length of the neck(mm) (L1)	Shank dia(mm) (D2)	Overall length(mm) (L1)
Step Bur 12	13.23	3.5	38.0
Step Bur 125	13.7		38.0
Step Bur 20	22.0		46.3
Cylinder Pointed Bur 125	13.7		38.0
Cylinder Pointed Bur 12EF	19.0		40.0
Cylinder Bur 12EF	19.0		40.0
Cylinder Pointed Bur 20	19.0		46.0
Shaper 25	25.0		45.0
Shaper 25RZ	25.0		45.0
Finisher 10	25.5		45.3



Compatible With
ZIRKONZAHN



Burr No.	Head dia. mm	Shank dia. mm	Overall length mm	Coating	Millable Materials	Compatible Machine	MFG
ZZ101UL	0.5	3.0	57.0	CVD/DC/ DLC/NC	Zir PMMA Acrylic PEEK Wax	M1 Soft Milling Unit M1, M3 M5	FR055(DC) FR056(NC)
ZZ102UL	1.0			DC/ DLC/NC			FR045(DC) FR046(NC)
ZZ103ULF	1.5			CVD/DC/ DLC/NC			FR235(DC) FR236(NC)
ZZ104UL	2.0			CVD/DC/ DLC/NC			FR035(DC) FR036(NC)
ZZ201UL	0.3	6.0	50.0	DC/DLC/NC	Zir PMMA Acrylic PEEK Wax	M1 M2 M4 M6	FR5006(DC) FR6006(NC)
ZZ202UL	0.5			CVD/DC/ DLC/NC			FR5005(DC) FR6005(NC)
ZZ203UL	0.6			DC/DLC/NC			FR5004(DC) FR6004(NC)
ZZ204UL	1.0			CVD/DC/ DLC/NC			FR5003(DC) FR6003(NC)
ZZ205UL	2.0			CVD/DC/ DLC/NC			FR5001(DC) FR6001(NC)
ZZ206UL	1.5			DC/DLC/NC			
ZZ206ULF	0.6	6.0	50.0	NC	PMMA Acrylic PEEK WAX	M1 M2 M4 M6	
ZZ207ULF	1.5			DC/DLC	Zir		FR5008
ZZ301UL	0.6	6.0	50.0	SiC	Glass Ceramic	M1 M2 M4 M6	ZBAC2006
ZZ302UL	1.25						ZBAC2016
ZZ303UL	2.5						ZBAC2026



Compatible With
ZIRKONZAHN

Burr No.	Head dia. mm	Shank dia. mm	Overall length mm	Coating	Millable Materials	Compatible Machine	MFG
ZZ401TS	0.5	6.0	50.0	TiSiN	Titanium CoCr	M1 M2 M4 M6	FR1151
ZZ402TS	1.0						FR1101
ZZ403TS	2.0						FR1121
ZZ404TS	3.0						FR1131
ZZ501TSF	0.5	6.0	50.0	TiSiN	Titanium CoCr	M1 M2 M4 M6	FR1111
ZZ502TSF	1.2						FR1211
ZZ503TSF	1.5						FR1207
ZZ504TSF-L	1.5 Long						FR1231
ZZ501TST	1.5	6.0	50.0	TiSiN	Titanium CoCr	M1 M2 M4 M6	FR1021
ZZ502TST	2.0						FR1011
ZZ503TST	3.0						FR1001

Compatible With Aidite AMD-500



Burs No.	Head dia (mm)	Shank dia (mm)	Overall length (mm)	Coating	Millable Materials	Compatible Machine
AD101UL	0.3	4.0	50.0	DC/ DLC/NC	Zir PMMA Acrylic PEEK Wax	AMD-500
AD102UL	0.6					
AD103UL	1.0					
AD104UL	2.0					
Flat-end	1.5	4.0	50.0	DC/DLC	Zir	AMD-500

Compatible With Xtcera



Burs No.	Head dia (mm)	Shank dia (mm)	Overall length (mm)	Coating	Millable Materials	Compatible Machine			
XC102UL	0.6	3.0	50.0	CVD/DC/ DLC/NC	Zir PMMA Acrylic PEEK Wax	Xtcera 220			
XC103UL	1.0								
XC104UL	2.0								
XC105UL	0.6	4.0	50.0	CVD/DC/ DLC/NC	Zir PMMA Acrylic PEEK Wax	Xtcera 300 500			
XC106UL	1.0								
XC107UL	2.0								
XC108UL-L	1.0 Long			DC/DLC	Zir				
XC109UL-L	2.0 Long								
XC110ULF	1.0			NC	PMMA Acrylic PEEK Wax				
XC201SIC	1.0	3.0	45.0	SIC	Glass Ceramic	Xtcera 220			
XC202SIC	2.5	4.0				Xtcera 300 500			
XC203SIC	1.0								
XC202SIC	2.5	6.0	50.0	TiSiN	Titanium CoCr	Xtcera 600			
XC301TS	1.5								
XC302TS	2.0								
XC303TS	3.0								