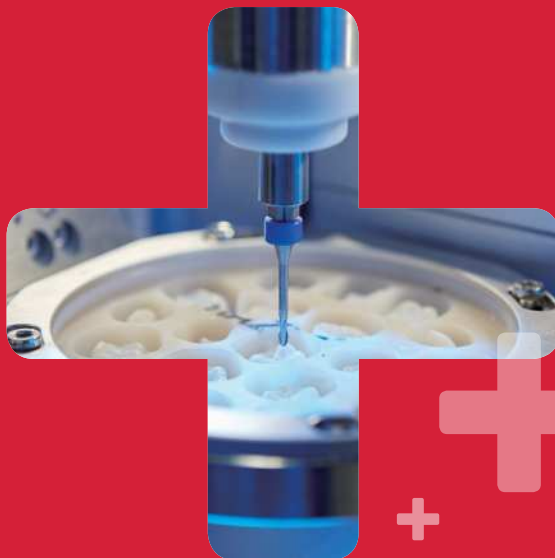




New Technology Development Division
By quality innovation an enterprise that is always evolving

VOL. 2



HEAD OFFICE : 15-12, Dongtansandan 6-gil, Dongtan-myeon, Hwaseong-si, Gyeonggi-do, KOREA 18487
TEL. +82-31-419-4443, 4441 FAX. +82-31-419-4445 E-mail : hsinfo@hsmnt.com
www.hsmnt.com



GLASS
CERAMIC

ZIRCONIA

PMMA

TITANIUM-
ALLOY

CHROME
COBALT



H HANSONG M&T

www.hsmnt.com

Visualizing our efforts to fit our customers' value

We have been developing and manufacturing tools to meet
Dental industry demands.

Company Culture

Small but Might



The size of milling burs is relatively small, but it must be strong enough to bear high cutting force caused by high speed in cutting of hardened materials. Wear resistance is another very important feature.

Reliable Products



High quality of milling bur is a prerequisite to produce quality products of dental items. Even quality of milling burs from different production batches contributes customers' cost saving throughout productivity improvement.

Agile



Evolution of technologies and materials continues moving forward to be better day by day. To incorporate this progress, our customers often ask us to cooperate development of new tools in very short period of time and tailored ones as well. Hansong M&T is capable to meet the request quickly with well performing people and manufacturing facilities.



Hansong M&T means

Although manufacture and supply mechanical precision parts such as best quality tools which run like the human heart, we are the corporation practices the humanitarianism spirit that makes human life to be benefit and convenient.

I N T R O D U C T I O N



Consistent efforts to keep commitments

We have been striving for professional manufacturer of MILLING BUR which keeps the same quality from a batch to another batches. Lean process makes it possible to be a competitive in cost and lead time. Intensive development was resulted in broad range tools to fit in many different machine types. We believe that these achievements contribute customers to reach their objective.

HANSONG M&T has been committing to serve our customers with reliable products from the date of company foundation until today. We want to be a part of Customers' competitive advantage by providing the right tools. It will be one of main tasks in coming years as well

The competence of HANSONG M&T is developing and manufacturing END MILL and MILLING BUR. The company will continue the focus on these core technologies to keep the position of professional manufacturer.

All members of HANSONG M&T appreciate our customers for using our products and are honored to be able to serve our customers.

Sincerely yours.

CEO **HAE-WOO, LEE**



COMPANY HISTORY

1999

07. Establishment HANSONG M&T

2006

02. Moved Factory (Seongnam → Hwaseong Dongtan)
04. Acquired ISO9001 Certification
07. Started Dental milling bur Production

2009

01. Acquired Utility Model: Zircornia Tools
2009~2012 Accomplished 3 years National Task Related to Inconel Processing Tool
06. Moved Factory (Dongtan → Ansan)

2011

11. Awarded The Prime Minister Prize

2012

09. Moved Factory (Ansan → Hwaseong Dongtan) Current Location

2014

11. Change Company Name to HANSONG M&T CO., LTD.

2015

05. Started Glass Ceramic Milling bur

2016

03. Establishment Research Laboratory
09. Establishment China Office

2017

04. Acquired Certification of Material and Parts
06. Acquired Venture Business Certification (KOTEC)
06. Designated as a Main-Biz Company (Small and Medium Business Administration)
07. Acquired Certification for Export Promising Small Business
09. Certified Root Technology Company
10. Selected as Promising Medium-Sized Company

2018

02. Expending Milling bur according to Dental machinery
11. Taking part in GNYDM 2018 (New York dental exhibition)

S U M M A R Y

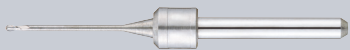
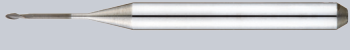
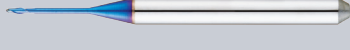


- **Company** : Hansong M&T Co., Ltd.
- **Established** : Jun. 1999
- **Head Office** : 15-12, Dongtansandan 6-gil, Dongtan-myeon, Hwaseong-si, Gyeonggi-do, Korea
- **Area** : Ground 10,452m², Building 7,438m²
- **Marketing Area** : Domestic.
Europe North America, Central and South America, Middle East, Asia

C E R T I F I C A T E S

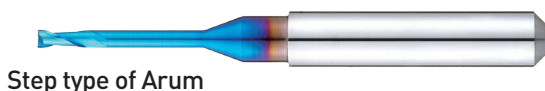


CONTENTS

PAGE	CODE	PRODUCT PHOTOGRAPHY	TYPE	COATING	MATERIAL
10	ECPB		HANSONG	DIAMOND CRUMB (ELECTROPLATING)	Glass Ceramic
11	GDRB			DIAMOND	Zirconia
11	GLRB			DLC	Zirconia & PEEK & PMMA & WAX
12	GTRB			TYSON	Cobalt Chrom & Titanium
12	GNRB			NO COATING	PEEK & PMMA & WAX
13	GTRE			TYSON	Cobalt Chrom & Titanium
14	ADRB		AMANN GIRRBACH	DIAMOND	Zirconia
14	ANRB			NO COATING	PEEK & PMMA & WAX
15	IDRB		IMES-CORE	DIAMOND	Zirconia
16	ITRB			TYSON	Cobalt Chrom & Titanium
17	INRB			NO COATING	PEEK & PMMA & WAX
18	ODRB		ROLAND	DIAMOND	Zirconia
19	ONRB			NO COATING	PEEK & PMMA & WAX
20	OTRB			TYSON	Cobalt Chrom & Titanium
21	VDRB		VHF	DIAMOND	Zirconia
22	VTRB			TYSON	Cobalt Chrom & Titanium
23	VNRB			NO COATING	PEEK & PMMA & WAX

PAGE	CODE	PRODUCT PHOTOGRAPHY	TYPE	COATING	MATERIAL
24	WDRB		WIELAND	DIAMOND	Zirconia
25	WNRB			NO COATING	PEEK & PMMA & WAX
26	WTRB			TYSON	Cobalt Chrom & Titanium
27	ZDRB		ZIRKONZAHN	DIAMOND	Zirconia
28	ZTRB			TYSON	Cobalt Chrom & Titanium
29	ZNRB			NO COATING	PEEK & PMMA & WAX
30	NDRB		SIRONA	DIAMOND	Zirconia
30	NTRB			TYSON	Cobalt Chrom & Titanium
31	NNRB			NO COATING	PEEK & PMMA & WAX

Ring type & Step type



Meaning of ICONS

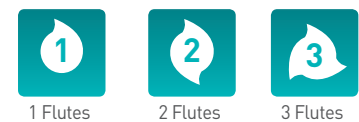
COATING



TOLERANCE



FLUTES



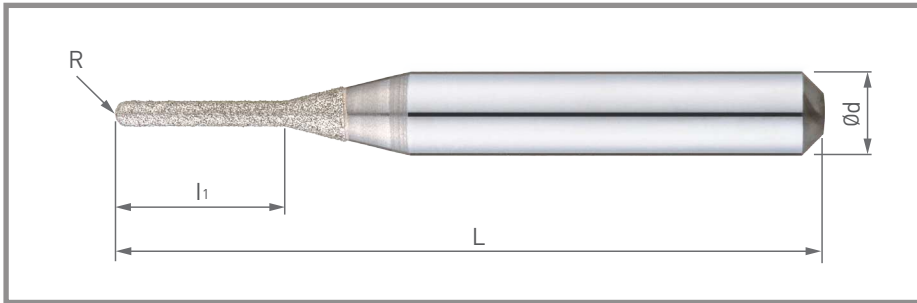
HELIX



HANSONG TYPE_Milling Bur

- DIAMOND CRUMB (Electroplated Diamond) to cutting Glass Ceramic.

1 ECPB Series



GLASS CERAMIC

DIAMOND
CRUMB

Electroplated
Diamond

R
±0.003

R Tolerance



1 Flutes

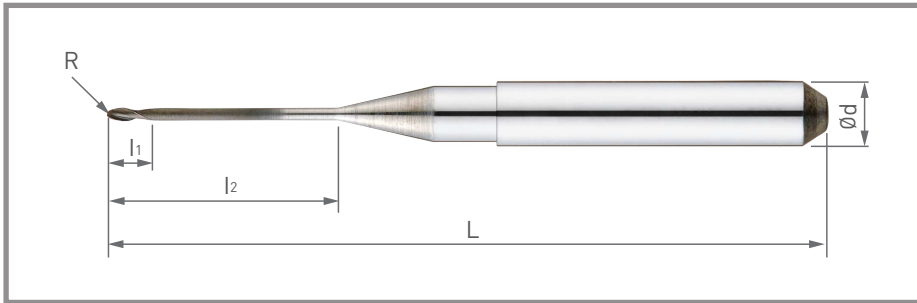
SPECIFICATIONS

Model. No	Flutes	Radius of Ball Nose	Length of Cut	Shank Diameter	Overall Length
		R	l ₁	d	L
1ECPB-006-060-340	1F	0.3	6	3	40
1ECPB-010-100-340		0.5	10		
1ECPB-020-120-340		1	12		
1ECPB-025-150-340		1.25	15		
1ECPB-006-060-348		0.3	6		48
1ECPB-010-100-348		0.5	10		
1ECPB-020-120-348		1	12		
1ECPB-025-150-348		1.25	15		
1ECPB-006-060-440		0.3	6	4	40
1ECPB-010-100-440		0.5	10		
1ECPB-020-120-440		1	12		
1ECPB-025-150-440		1.25	15		
1ECPB-006-060-450		0.3	6		50
1ECPB-010-100-450		0.5	10		
1ECPB-015-080-450		0.75	8		
1ECPB-020-120-450		1	12		
1ECPB-025-150-450		1.25	15	6	40
1ECPB-006-060-640		0.3	6		
1ECPB-010-100-640		0.5	10		
1ECPB-020-120-640		1	12		
1ECPB-025-150-640		1.25	15		
1ECPB-006-060-650		0.3	6		50
1ECPB-010-100-650		0.5	10		
1ECPB-015-100-650		0.75	10		
1ECPB-020-120-650		1	12		
1ECPB-025-150-650		1.25	15	25	
1ECPB-025-250-650					

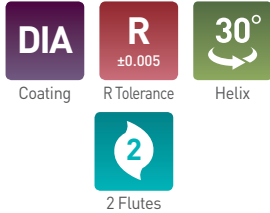
HANSONG TYPE_Milling Bur

- Diamond coating to cut Zirconia
- DLC coating to cut PEEK & WAX & PMMA, finishing of ZIRCONIA.

2 GDRB Series



ZIRCONIA

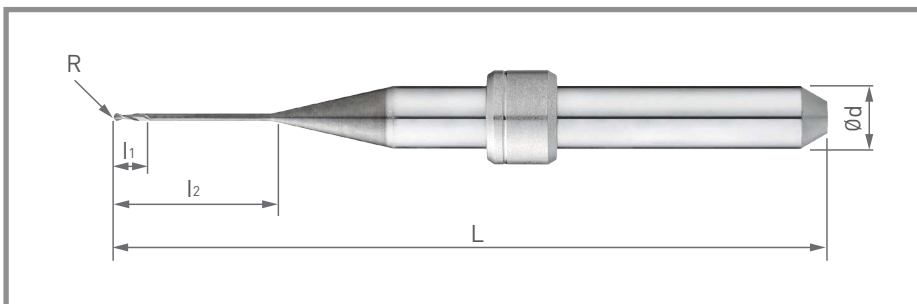


SPECIFICATIONS

Model. No	Flutes	Radius of Ball Nose	Effective Length	Length of Cut	Shank Diameter	Overall Length
		R	l ₂	l ₁	d	L
2GDRB-010-160-450	2F	0.5	16	2	4	50
2GDRB-010-160-450-RING						
2GDRB-020-180-450		1	18	6		
2GDRB-020-180-450-RING						
2GDRB-010-140-653		0.5	14	2	53	
2GDRB-010-160-663			16		63	
2GDRB-020-200-655		1	20	6	55	
2GDRB-020-200-663					63	

- 2GDRB-010-160-450-RING, 2GDRB-020-180-450-RING are Ring type.
- 2GDRB-010-140-653, 2GDRB-010-160-663, 2GDRB-020-200-655, 2GDRB-020-200-663 are Step type of Arum.

2 GLRB Series



PMMA & PEEK & WAX & ZIRCONIA



SPECIFICATIONS

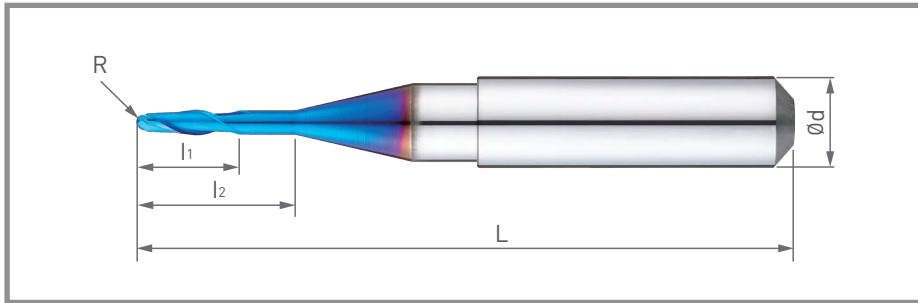
Model. No	Flutes	Radius of Ball Nose	Effective Length	Length of Cut	Shank Diameter	Overall Length
		R	l ₂	l ₁	d	L
2GLRB-006-100-445-RING	2F	0.3	10	1.5	4	45
2GLRB-006-130-663			13			
2GLRB-010-160-663		0.5	16	2	6	63

- 2GLRB-006-100-445-RING is Ring type.
- 2GLRB-006-130-663, 2GLRB-010-160-663 are Step type of Arum.

HANSONG TYPE_Milling Bur

- Tyson coating based on TiSin to cut Cobalt Chrom & Titanium.
- Un-coating for cutting PEEK & PMMA & WAX.

2 GTRB Series



**COBALT CHROME,
TITANIUM**

TYSON

Coating

R

±0.005

R Tolerance

30°

Helix

2

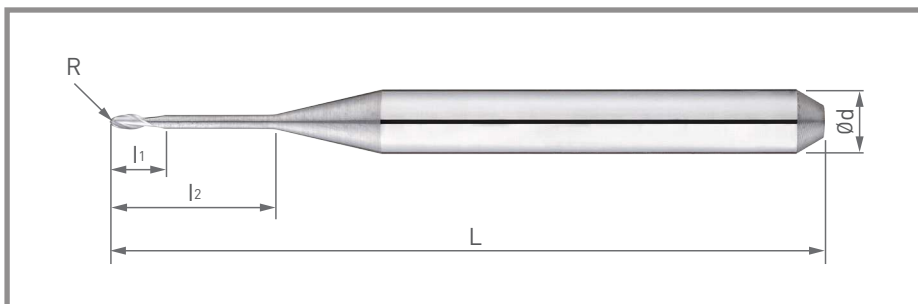
2 Flutes

SPECIFICATIONS

Model. No	Flutes	Radius of Ball Nose	Effective Length	Length of Cut	Shank Diameter	Overall Length
		R	l ₂	l ₁	d	L
2GTRB-006-100-445	2F	0.3	10	1.5	4	45
2GTRB-006-080-650			8			
2GTRB-010-080-650		0.5	10	2	6	50
2GTRB-015-100-650		0.75		3		
2GTRB-020-120-650		1	12	6		
2GTRB-030-120-650		1.5		8		

- 2GTRB-006-100-445 is Normal type.
- The rest are Step type of Arum.

2 GNRB Series



**PMMA & PEEK &
WAX**

**NON
COATING**

R

±0.005

R Tolerance

30°

Helix

2

2 Flutes

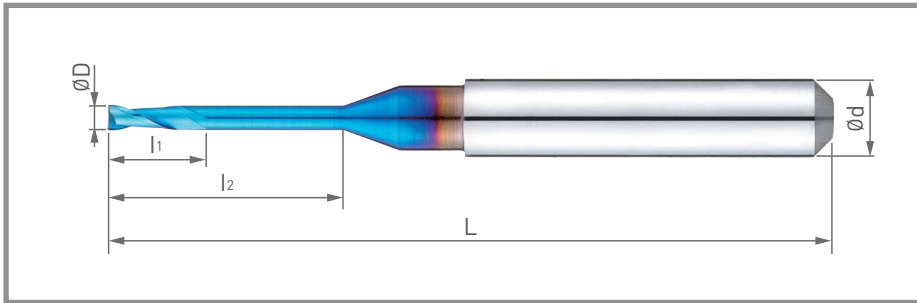
SPECIFICATIONS

Model. No	Flutes	Radius of Ball Nose	Effective Length	Length of Cut	Shank Diameter	Overall Length
		R	l ₂	l ₁	d	L
2GNRB-010-100-444	2F	0.5	10	2	4	44
2GNRB-015-140-447		0.75	14	3		47
2GNRB-020-180-450		1	18	6		50

HANSONG TYPE_Milling Bur

- Tyson coating based on TiSin to cut Cobalt Chrom & Titanium.

2 GTRE Series



**COBALT CHROME,
TITANIUM**

TYSON

Coating

30°

Helix

2

2 Flutes

SPECIFICATIONS

Model. No	Flutes	Diameter	Effective Length	Length of Cut	Shank Diameter	Overall Length
		D	l ₂	l ₁	d	L
2GTRE-0175-140-650	2F	Ø1.75	14	7	6	50
2GTRE-020-180-655		Ø2	18	5		55

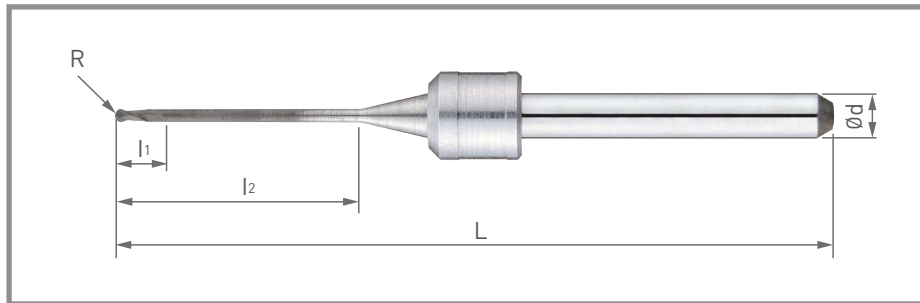
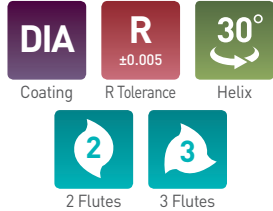
- Both are Step type of Arum.



AMANN GIRRBACH TYPE_Milling Bur

- Diamond coating to cut Zirconia
- Un-coating for cutting PEEK & PMMA & WAX.

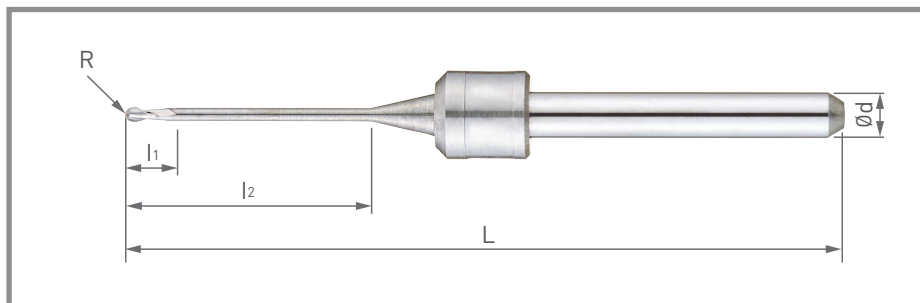
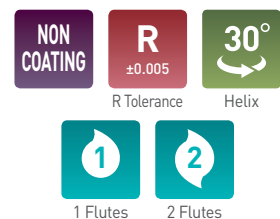
2 ADRB, 3 ADRB Series


ZIRCONIA


SPECIFICATIONS

Model. No	Flutes	Radius of Ball Nose	Effective Length	Length of Cut	Shank Diameter	Overall Length
		R	l ₂	l ₁	d	L
2ADRB-006-070-347-RING	2F	0.3	7	2	3	47
2ADRB-006-140-347-RING			14			
2ADRB-010-160-347-RING		0.5	16	6		
2ADRB-010-170-347-RING			17			
2ADRB-025-185-347-RING		1.25	18.5	4		
2ADRB-025-170-347-RING			17	9		
3ADRB-010-170-347-RING	3F	0.5		6		
3ADRB-025-170-347-RING		1.25		9		

1 ANRB, 2 ANRB Series


PMMA & PEEK & WAX


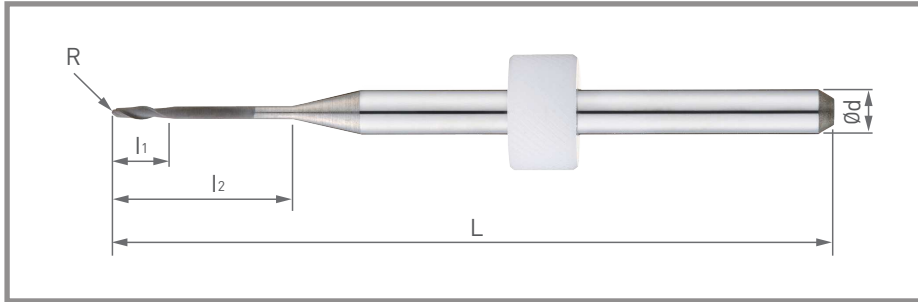
SPECIFICATIONS

Model. No	Flutes	Radius of Ball Nose	Effective Length	Length of Cut	Shank Diameter	Overall Length
		R	l ₂	l ₁	d	L
1ANRB-006-070-347-RING	1F	0.3	7	2	3	47
1ANRB-010-170-347-RING		0.5	17	6		
1ANRB-025-170-347-RING		1.25		9		
2ANRB-006-140-347-RING	2F	0.3	14	2		
2ANRB-010-160-347-RING		0.5	16			
2ANRB-025-185-347-RING		1.25	18.5	4		

IMES-ICORE TYPE_Milling Bur

- Diamond coating to cut Zirconia

2 IDR, 3 IDR Series


ZIRCONIA
DIA

Coating

R

±0.005

R Tolerance

30°

Helix

2

2 Flutes

3

3 Flutes

SPECIFICATIONS

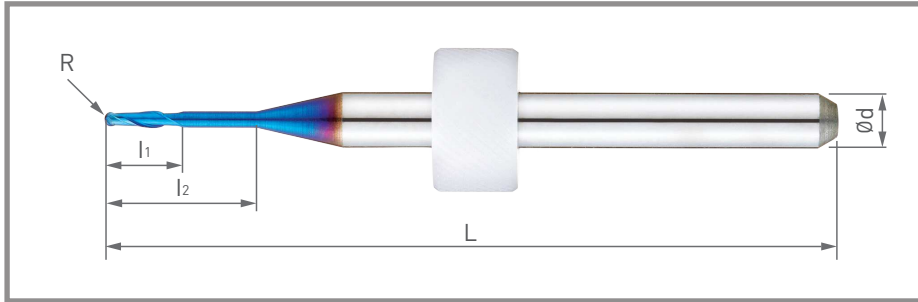
Model. No	Flutes	Radius of Ball Nose	Effective Length	Length of Cut	Shank Diameter	Overall Length
		R	l ₂	l ₁	d	L
2IDRB-006-082-348-RING	2F	0.3	8.2	1.8	3	48
2IDRB-006-070-348-RING			7			
2IDRB-0065-120-348-RING		0.325	12	2		
2IDRB-010-160-348-RING		0.5	16			
2IDRB-010-120-348-RING			12	3		
2IDRB-020-200-348-RING		1	20	8		
2IDRB-025-125-348-RING		1.25	12.5	7.5		
2IDRB-025-200-348-RING			20	9		
3IDRB-010-160-348-RING	3F	0.5	16	2		
3IDRB-020-200-348-RING		1	20	8		
3IDRB-025-200-348-RING		1.25		9		
2IDRB-006-070-653-RING	2F	0.3	7		6	53
2IDRB-0065-120-653-RING		0.325	12	2		
2IDRB-010-160-653-RING		0.5	16			
2IDRB-020-200-653-RING		1	20	8		
2IDRB-025-200-653-RING		1.25		9		
3IDRB-010-160-653-RING	3F	0.5	16	2		
3IDRB-020-200-653-RING		1	20	8		
3IDRB-025-200-653-RING		1.25		9		

- Applicable machine : Shank3 - Coritec one, 140i, 245i, 245i dry, 250i, 250i dry
Shank6 - Coritec 250i, 350i Loader, 650i, 650i Loader

IMES-ICORE TYPE_Milling Bur

- Tyson coating based on TiSin to cut Cobalt Chrom & Titanium.

2 ITRB Series



**COBALT CHROME,
TITANIUM**

TYSON

Coating

R
±0.005

R Tolerance

30°

Helix

2

2 Flutes

SPECIFICATIONS

Model. No	Flutes	Radius of Ball Nose	Effective Length	Length of Cut	Shank Diameter	Overall Length
		R	l ₂	l ₁	d	L
2ITRB-010-080-339-RING	2F	0.5	8	3	3	39
2ITRB-010-120-348-RING			12			48
2ITRB-025-125-348-RING		1.25	12.5	7.5	6	50
2ITRB-008-080-650-RING		0.4	8	3.5		
2ITRB-010-080-650-RING		0.5		3		
2ITRB-010-100-650-RING			10			
2ITRB-015-120-650-RING		0.75	12	4		

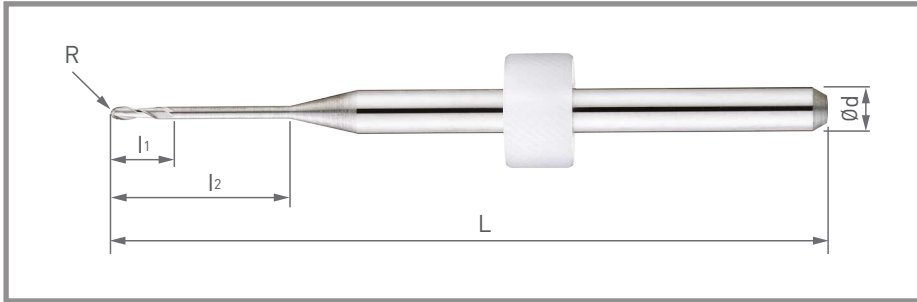
- Applicable machine : Shank3 - Coritec one, 140i, 245i, 245i dry, 250i, 250i dry
Shank6 - Coritec 250i, 350i Loader, 650i, 650i Loader



IMES-ICORE TYPE_Milling Bur

- Un-coating for cutting PEEK & PMMA & WAX.

1 INRB, 2 INRB Series



**PMMA & PEEK &
WAX**

**NON
COATING**

R
±0.005

30°
Helix

1
1 Flutes

2
2 Flutes

SPECIFICATIONS

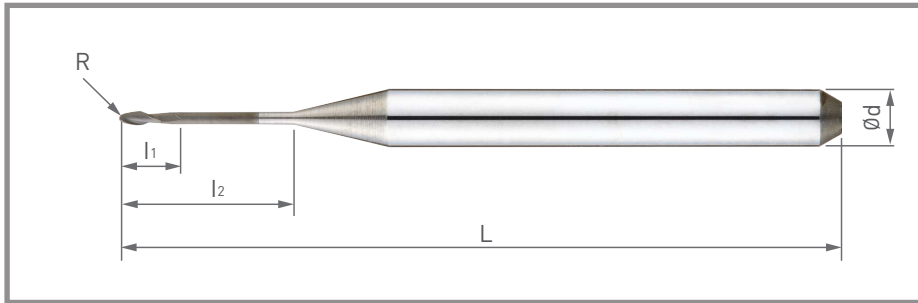
Model. No	Flutes	Radius of Ball Nose	Effective Length	Length of Cut	Shank Diameter	Overall Length
		R	l ₂	l ₁	d	L
1INRB-006-070-348-RING	1F	0.3	7	2	3	48
1INRB-0065-120-348-RING		0.325	12			
1INRB-010-160-348-RING		0.5	16			
1INRB-020-200-348-RING		1	20	8		
1INRB-025-200-348-RING		1.25		9		
1INRB-006-070-653-RING		0.3	7	2	6	53
1INRB-0065-120-653-RING		0.325	12			
1INRB-010-160-653-RING		0.5	16			
1INRB-020-200-653-RING		1	20	8		
1INRB-025-200-653-RING		1.25		9		
2INRB-006-082-348-RING	2F	0.3	8.2	1.8	3	48
2INRB-010-120-348-RING		0.5	12	3		
2INRB-025-125-348-RING		1.25	12.5	7.5		

- Applicable machine : Shank3 - Coritec one, 140i, 245i, 245i dry, 250i, 250i dry
Shank6 - Coritec 250i, 350i Loader, 650i, 650i Loader

ROLAND TYPE_Milling Bur

- Diamond coating to cut Zirconia

2 ODRB, 3 ODRB Series



ZIRCONIA

DIA

Coating

R

±0.005

R Tolerance

30°

Helix

2

2 Flutes

3

3 Flutes

SPECIFICATIONS

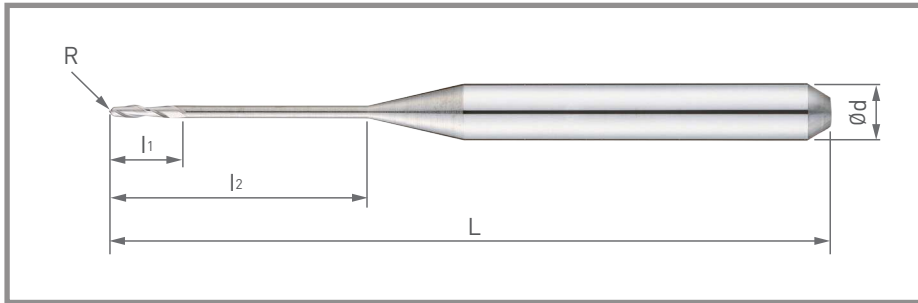
Model. No	Flutes	Radius of Ball Nose	Effective Length	Length of Cut	Shank Diameter	Overall Length	
		R	l ₂	l ₁	d	L	
20DRB-010-160-348	2F	0.5	16	4	3	48	
20DRB-020-200-348		1	20	4.5			
20DRB-025-220-348		1.25	22				
20DRB-030-250-348		1.5	25	6			
20DRB-006-060-450		0.3	6	2	4	50	
20DRB-006-082-450			8.2	1.8			
20DRB-006-140-450			14	2			
20DRB-010-120-450		0.5	12	3			
20DRB-010-160-450			16	6			
20DRB-010-200-450			20				
20DRB-020-140-450		1	14	20			
20DRB-020-200-450		1	20	8			
20DRB-030-200-450		1.5		10			
30DRB-010-160-450	3F	0.5	16	6	4	50	
30DRB-010-200-450			20	8			
30DRB-020-200-450		1					
30DRB-030-200-450		1.5		10			

- Applicable machine : Roland DWX-4/50/51/52

ROLAND TYPE_Milling Bur

- Un-coating for cutting PEEK & PMMA & WAX.

1 ONRB, 2 ONRB Series



PMMA & PEEK & WAX

NON COATING

R
±0.005

R Tolerance

30°

Helix

1

1 Flutes

2

2 Flutes

SPECIFICATIONS

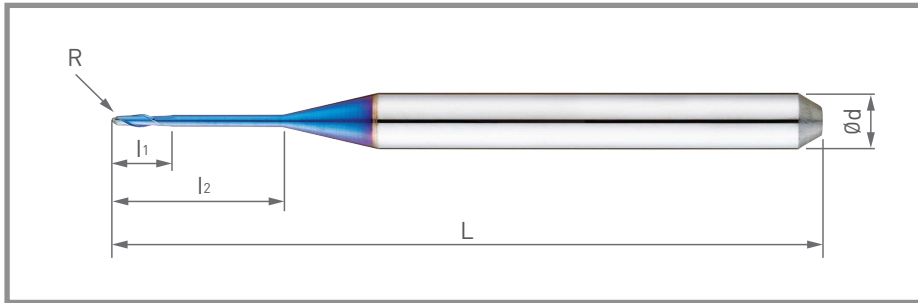
Model. No	Flutes	Radius of Ball Nose	Effective Length	Length of Cut	Shank Diameter	Overall Length
		R	l ₂	l ₁	d	L
1ONRB-006-060-450	1F	0.3	6	2	4	50
1ONRB-006-140-450			14			
1ONRB-010-160-450		0.5	16	6		
1ONRB-010-200-450			20			
1ONRB-030-200-450		1.5		10		
1ONRB-020-200-450		1		8		
2ONRB-003-031-450	2F	0.15	3.1	0.9		
2ONRB-006-060-450		0.3	6	2		
2ONRB-008-096-450		0.4	9.6	2.4		
2ONRB-010-120-450		0.5	12	3		
2ONRB-010-180-450			18	4		
2ONRB-020-140-450		1	14	6		
2ONRB-020-200-450			20	5.5		

- Applicable machine : Roland DWX-4/50/51/52

ROLAND TYPE_Milling Bur

- Tyson coating based on TiSin to cut Cobalt Chrom & Titanium.

2 OTRB Series



**COBALT CHROME,
TITANIUM**

TYSON

Coating

R

±0.005

R Tolerance

30°

Helix

2

2 Flutes

SPECIFICATIONS

Model. No	Flutes	Radius of Ball Nose	Effective Length	Length of Cut	Shank Diameter	Overall Length
		R	l ₂	l ₁	d	L
20TRB-006-060-450	2F	0.3	6	2	4	50
20TRB-010-120-450		0.5	12	3		
20TRB-020-140-450		1	14	6		

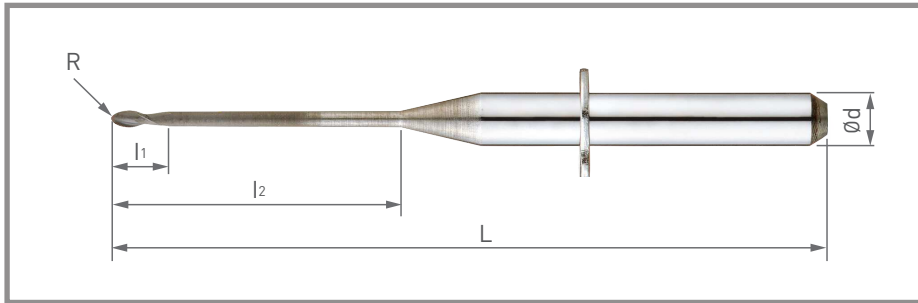
- Applicable machine : Roland DWX-4/50/51/52



VHF TYPE_Milling Bur

- Diamond coating to cut Zirconia

2 VDRB, 3 VDRB Series


ZIRCONIA
DIA

Coating

R

±0.005

R Tolerance

30°

Helix

2

2 Flutes

3

3 Flutes

SPECIFICATIONS

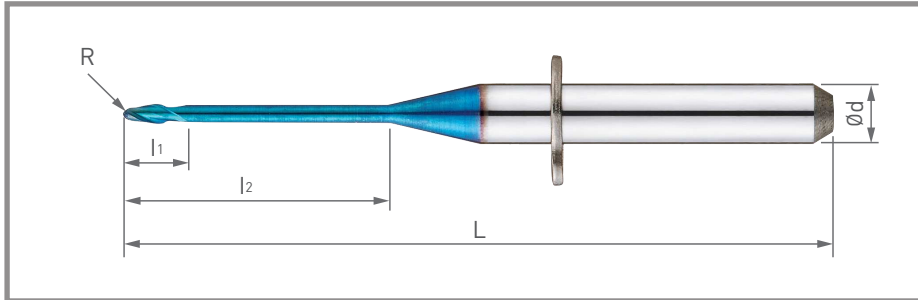
Model. No	Flutes	Radius of Ball Nose	Effective Length	Length of Cut	Shank Diameter	Overall Length
		R	l ₂	l ₁	d	L
2VDRB-006-050-335-RING	2F	0.3	5	1.2	3	35
2VDRB-006-088-335-RING			8.8			
2VDRB-010-130-335-RING		0.5	13	2		
2VDRB-010-160-335-RING			16			
2VDRB-020-160-335-RING		1	4			
2VDRB-006-030-340-RING		0.3	3	1.2		40
2VDRB-006-070-340-RING			7	2		
2VDRB-006-088-340-RING			8.8	1.2		
2VDRB-006-110-340-RING		0.5	11	2		
2VDRB-010-160-340-RING			16			
2VDRB-010-170-340-RING			17	5		
2VDRB-020-160-340-RING		1	16	4		
2VDRB-020-170-340-RING			17	8		
3VDRB-010-170-340-RING	3F	0.5		5		
3VDRB-020-170-340-RING		1	8			

- Applicable machine : 35L - 4-axis, K3, K4 / 40L - K5, S1, S2

VHF TYPE_Milling Bur

- Tyson coating based on TiSin to cut Cobalt Chrom & Titanium.

2 VTRB Series



**COBALT CHROME,
TITANIUM**

TYSON

Coating

R
±0.005

R Tolerance

30°

Helix

2

2 Flutes

SPECIFICATIONS

Model. No	Flutes	Radius of Ball Nose	Effective Length	Length of Cut	Shank Diameter	Overall Length
		R	l ₂	l ₁	d	L
2VTRB-010-130-335-RING	2F	0.5	13	2	3	35
2VTRB-020-160-335-RING		1	16	4		

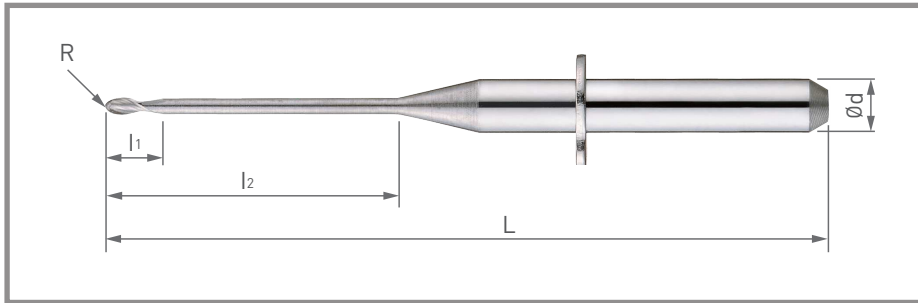
- Applicable machine : 35L - 4-axis, K3, K4 / 40L - K5, S1, S2



VHF TYPE_Milling Bur

- Un-coating for cutting PEEK & PMMA & WAX.

1 VNRB, 2 VNRB, 3 VNRB Series



PMMA & PEEK & WAX

NON COATING

R
±0.005

30°
Helix

1

1 Flutes

2

2 Flutes

3

3 Flutes

SPECIFICATIONS

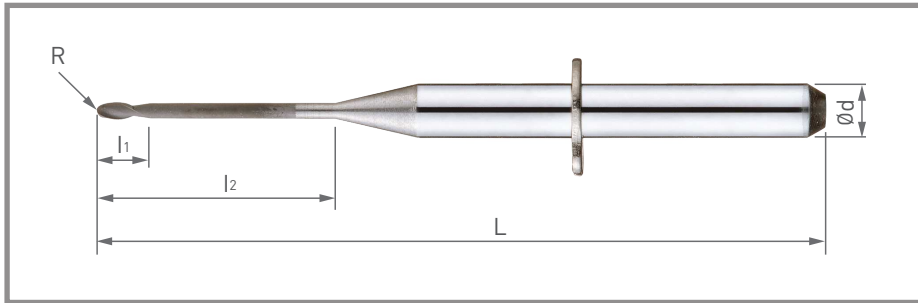
Model. No	Flutes	Radius of Ball Nose	Effective Length	Length of Cut	Shank Diameter	Overall Length		
		R	l ₂	l ₁	d	L		
1VNRB-006-070-335-RING	1F	0.3	7	2	3	35		
1VNRB-006-110-335-RING			11					
1VNRB-010-160-335-RING		0.5	16	5				
1VNRB-020-170-335-RING		1	17	8				
2VNRB-006-030-335-RING	2F	0.3	3	1.2			3	35
2VNRB-006-088-335-RING			8.8					
2VNRB-006-070-335-RING			7	2				
2VNRB-006-110-335-RING			11					
2VNRB-010-130-335-RING		0.5	13	5				
2VNRB-010-160-335-RING			16					
2VNRB-020-160-335-RING		1		17				
2VNRB-020-170-335-RING			0.3	3				
2VNRB-006-088-340-RING		8.8						
2VNRB-010-160-340-RING		0.5		2				
2VNRB-020-160-340-RING		1				4		
3VNRB-010-160-335-RING		3F	0.5	16		5		
3VNRB-020-170-335-RING	1		17			8		

- Applicable machine : 35L - 4-axis, K3, K4 / 40L - K5, S1, S2

WIELAND TYPE_Milling Bur

- Diamond coating to cut Zirconia

2 WDRB, 3 WDRB Series



SPECIFICATIONS

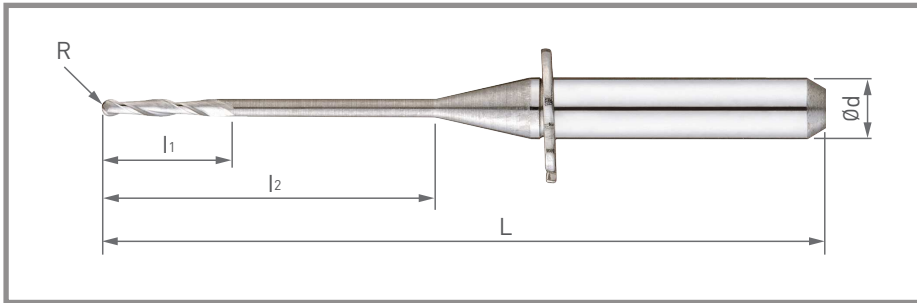
Model. No	Flutes	Radius of Ball Nose	Effective Length	Length of Cut	Shank Diameter	Overall Length	
		R	l ₂	l ₁	d	L	
2WDRB-007-086-335-RING	2F	0.35	8.6	1.4	3	35	
2WDRB-010-130-335-RING		0.5	13	2			
2WDRB-020-160-335-RING		1	16	4			
2WDRB-025-150-335-RING		1.25	15	5			
2WDRB-006-070-340-RING		0.3	7	2			
2WDRB-007-086-340-RING		0.35	8.6	1.4		40	
2WDRB-007-070-340-RING			7	2			
2WDRB-010-130-340-RING		0.5	13				
2WDRB-010-170-340-RING			17	5			
2WDRB-020-160-340-RING		1	16	4			
2WDRB-020-170-340-RING			17	8			
2WDRB-025-150-340-RING		1.25	15	5			
2WDRB-025-200-340-RING			20	10			
3WDRB-010-170-340-RING		3F	0.5	17			5
3WDRB-020-170-340-RING			1				8
3WDRB-025-200-340-RING	1.25		20	10			

- Applicable machine : 35L-Wieland Zenotec Mini, 40L-Wieland Zenotec Select Hybrid

WIELAND TYPE_Milling Bur

- Un-coating for cutting PEEK & PMMA & WAX.

1 WNRB, 2 WNRB, 3 WNRB Series



PMMA & PEEK & WAX

NON COATING

R
±0.005
R Tolerance

30°
Helix

1
1 Flutes

2
2 Flutes

3
3 Flutes

SPECIFICATIONS

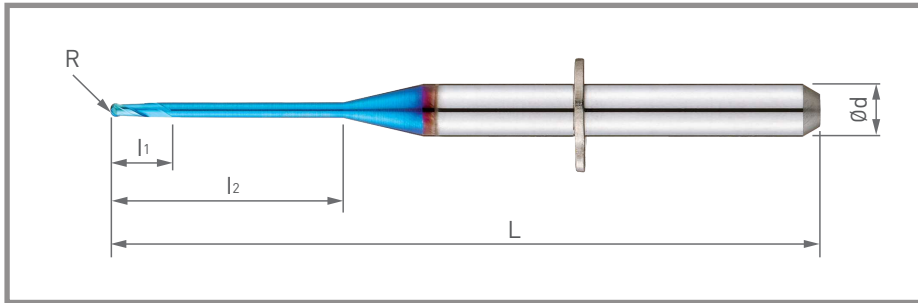
Model. No	Flutes	Radius of Ball Nose	Effective Length	Length of Cut	Shank Diameter	Overall Length		
		R	l ₂	l ₁	d	L		
1WNRB-006-070-335-RING	1F	0.3	7	2	3	35		
1WNRB-007-070-335-RING		0.35						
1WNRB-010-160-335-RING		0.5						
1WNRB-020-170-335-RING		1						
1WNRB-025-200-335-RING		1.25						
2WNRB-003-034-335-RING	2F	0.15	3.4	0.6				
2WNRB-006-070-335-RING		0.3	7	2				
2WNRB-007-086-335-RING		0.35	8.6	1.4				
2WNRB-007-070-335-RING			7	2				
2WNRB-010-130-335-RING		0.5	13	5				
2WNRB-010-160-335-RING			16	4				
2WNRB-020-160-335-RING		1	17	8				
2WNRB-020-170-335-RING			15	5				
2WNRB-025-150-335-RING		1.25	20	10				
2WNRB-025-200-335-RING			16	5				
3WNRB-010-160-335-RING	3F	0.5	16	5				
3WNRB-020-170-335-RING		1	17	8				
3WNRB-025-200-335-RING		1.25	20	10				
1WNRB-006-070-340-RING	1F	0.3	7	2		40		
1WNRB-007-070-340-RING		0.35						
1WNRB-010-170-340-RING		0.5					17	5
1WNRB-020-170-340-RING		1						8
1WNRB-025-200-340-RING		1.25					20	10
2WNRB-003-034-340-RING	2F	0.15	3.4	0.6				
2WNRB-007-086-340-RING		0.35	8.6	1.4				
2WNRB-010-130-340-RING		0.5	13	2				
2WNRB-020-160-340-RING		1	16	4				
2WNRB-025-150-340-RING		1.25	15	5				

• Applicable machine : 35L-Wieland Zenotec Mini, 40L-Wieland Zenotec Select Hybrid

WIELAND TYPE_Milling Bur

- Tyson coating based on TiSiN to cut Cobalt Chrom & Titanium.

2 WTRB Series



SPECIFICATIONS

Model. No	Flutes	Radius of Ball Nose	Effective Length	Length of Cut	Shank Diameter	Overall Length
		R	l ₂	l ₁	d	L
2WTRB-010-130-335-RING	2F	0.5	13	2	3	35
2WTRB-020-160-335-RING		1	16	4		
2WTRB-025-150-335-RING		1.25	15	5		
2WTRB-010-130-340-RING		0.5	13	2		40
2WTRB-020-160-340-RING		1	16	4		
2WTRB-025-150-340-RING		1.25	15	5		

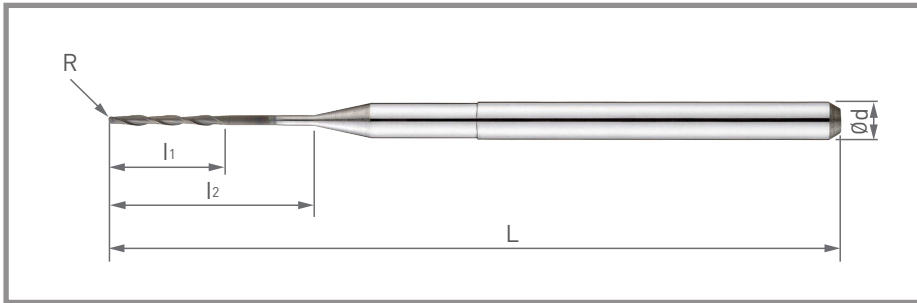
- Applicable machine : 35L-Wieland Zenotec Mini, 40L-Wieland Zenotec Select Hybrid



ZIRKONZAHN TYPE_Milling Bur

- Diamond coating to cut Zirconia

2 ZDRB, 3 ZDRB Series



ZIRCONIA

DIA

Coating

R
±0.005

R Tolerance

30°

Helix

2

2 Flutes

3

3 Flutes

SPECIFICATIONS

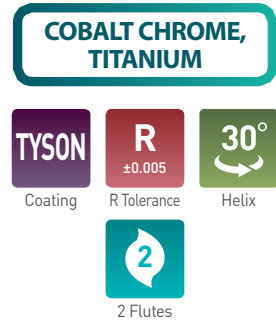
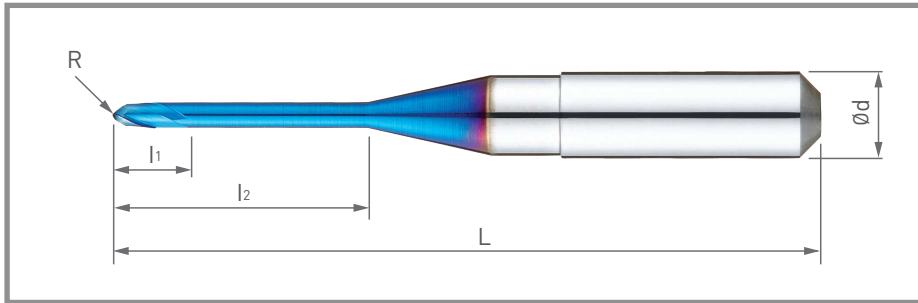
Model. No	Flutes	Radius of Ball Nose	Effective Length	Length of Cut	Shank Diameter	Overall Length
		R	l ₂	l ₁	d	L
2ZDRB-005-050-357	2F	0.25	5	3	3	57
2ZDRB-010-160-357		0.5	16	8		
2ZDRB-020-180-357		1	18	10		
2ZDRB-005-050-650		0.25	5	3	6	50
2ZDRB-010-120-650		0.5	12	6		
2ZDRB-020-180-650		1	18	10		
3ZDRB-010-160-357	3F	0.5	16	8	3	57
3ZDRB-020-180-357		1	18	10		
3ZDRB-010-120-650		0.5	12	6	6	50
3ZDRB-020-180-650		1	18	10		

- All items are step type of ZIRKONZAHN

ZIRKONZAHN TYPE_Milling Bur

- Tyson coating based on TiSin to cut Cobalt Chrom & Titanium.

2 ZTRB Series



SPECIFICATIONS

Model. No	Flutes	Radius of Ball Nose	Effective Length	Length of Cut	Shank Diameter	Overall Length
		R	l_2	l_1	d	L
2ZTRB-020-180-650	2F	1	18	3	6	50
2ZTRB-030-180-650		1.5		4		

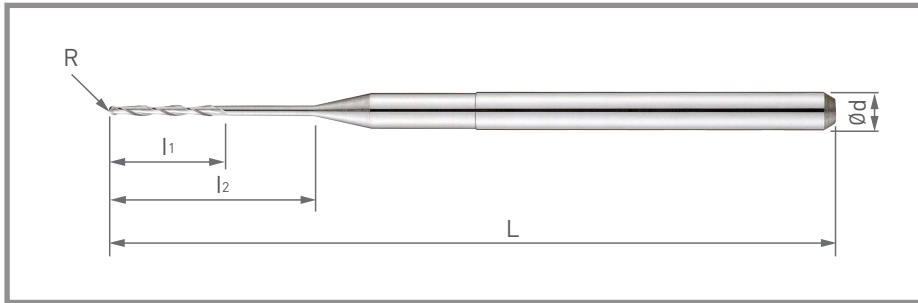
- All items are step type of ZIRKONZAHN



ZIRKONZAHN TYPE_Milling Bur

- Un-coating for cutting PEEK & PMMA & WAX.

1 ZNRB, 2 ZNRB, 3 ZNRB Series



PMMA & PEEK &
WAX

NON
COATING

R
±0.005
R Tolerance

30°
Helix

1
1 Flutes

2
2 Flutes

3
3 Flutes

SPECIFICATIONS

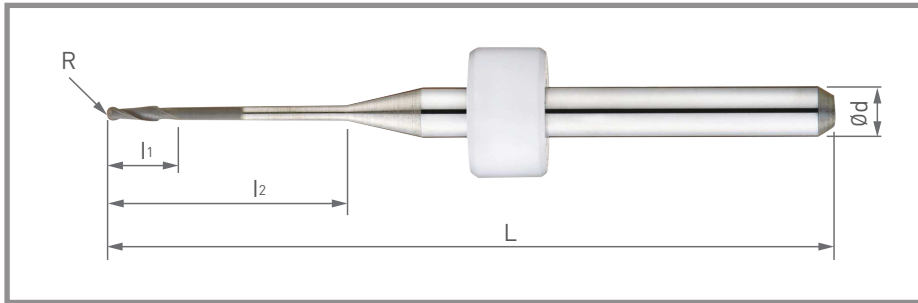
Model. No	Flutes	Radius of Ball Nose	Effective Length	Length of Cut	Shank Diameter	Overall Length
		R	l ₂	l ₁	d	L
1ZNRB-005-050-357	1F	0.25	5	3	3	57
1ZNRB-010-160-357		0.5	16	8		
1ZNRB-020-180-357		1	18	10		
1ZNRB-005-050-650		0.25	5	3	6	50
1ZNRB-010-120-650		0.5	12	6		
1ZNRB-020-180-650		1	18	10		
2ZNRB-005-050-357	2F	0.25	5	3	3	57
2ZNRB-010-160-357		0.5	16	8		
2ZNRB-020-180-357		1	18	10		
2ZNRB-005-050-650		0.25	5	3	6	50
2ZNRB-010-120-650		0.5	12	6		
2ZNRB-020-180-650		1	18	10		
3ZNRB-010-160-357	3F	0.5	16	8	3	57
3ZNRB-020-180-357		1	18	10		
3ZNRB-010-120-650		0.5	12	6	6	50
3ZNRB-020-180-650		1	18	10		

- All items are step type of ZIRKONZAHN

SIRONA TYPE_Milling Bur

- Diamond coating to cut Zirconia

2 NDRB Series



ZIRCONIA

DIA

Coating

R

±0.005

R Tolerance

30°

Helix

2

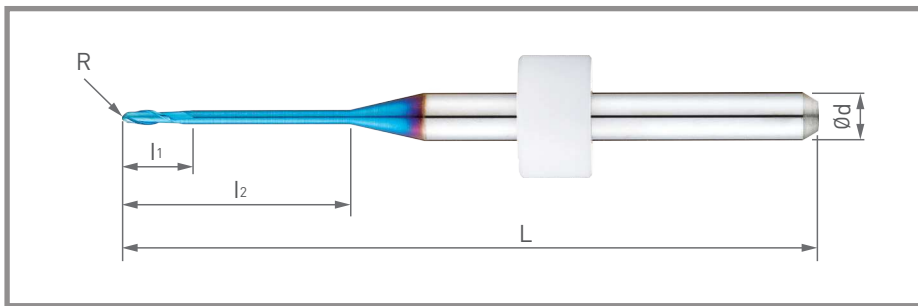
2 Flutes

SPECIFICATIONS

Model. No	Flutes	Radius of Ball Nose	Effective Length	Length of Cut	Shank Diameter	Overall Length
		R	l ₂	l ₁	d	L
2NDRB-005-050-342-RING	2F	0.25	5	1	3	42
2NDRB-010-170-343-RING		0.5	17	3		43
2NDRB-025-240-344-RING		1.25	24	4		44

- Applicable machine : MC X5

2 NTRB Series

COBALT CHROME,
TITANIUM

TYSON

Coating

R

±0.005

R Tolerance

30°

Helix

2

2 Flutes

SPECIFICATIONS

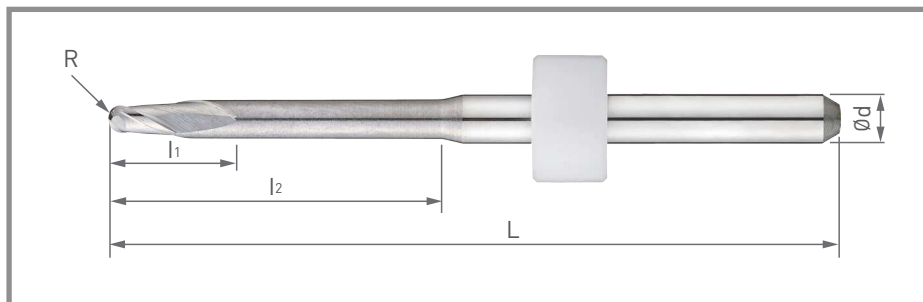
Model. No	Flutes	Radius of Ball Nose	Effective Length	Length of Cut	Shank Diameter	Overall Length
		R	l ₂	l ₁	d	L
2NTRB-010-170-343-RING	2F	0.5	17	3	3	43
2NTRB-025-240-344-RING		1.25	24	4		44

- Applicable machine : MC X5

SIRONA TYPE_Milling Bur

- Un-coating for cutting PEEK & PMMA & WAX.

2 NNRB Series



**PMMA & PEEK &
WAX**

**NON
COATING**

R
±0.005
R Tolerance

30°
Helix

2
2 Flutes

SPECIFICATIONS

Model. No	Flutes	Radius of Ball Nose	Effective Length	Length of Cut	Shank Diameter	Overall Length
		R	l ₂	l ₁	d	L
2NNRB-005-050-342-RING	2F	0.25	5	1	3	42
2NNRB-010-170-343-RING		0.5	17	3		43
2NNRB-025-240-344-RING		1.25	24	4		44

- Applicable machine : MC X5

