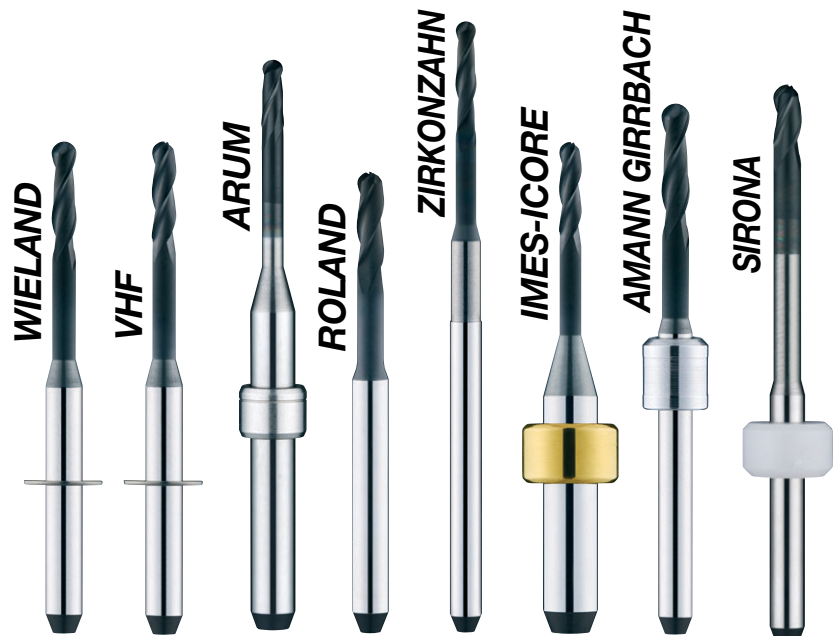


DENTAL SERIES

CAD/CAM Milling Bur



- 1 Cobalt-Chrome Disk
- 2 Zirconia
- 3 Abutment
- 4 Titanium Disk



Rib Ball End Mills for Titanium & Cobalt-Chrom & Abutment



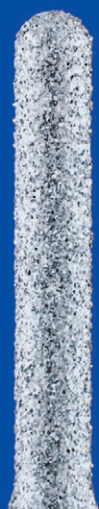
Diamond Coated Ball End Mills for Zirconia



Diamond Coated Ball End Mills for Zirconia



PMMA / PEEK / WAX
Rib Ball End Mills for PMMA & PEEK & WAX



Electro Deposited Diamond End Mill

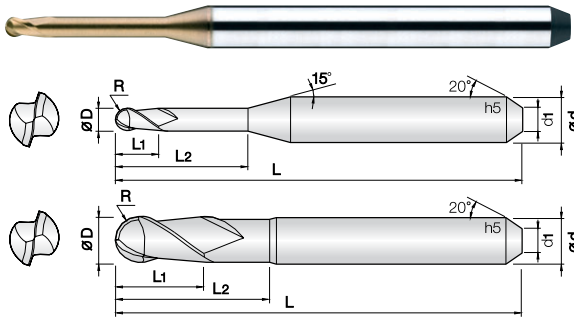
Outstanding Abrasion Resistance & Surface Finishes !



DENTAL SERIES

2HRBD

2 Flutes High Speed Rib Ball End Mills for Titanium & Cobalt-Chrome



• Endmills for titanium and cobalt-chrom disk & abutment

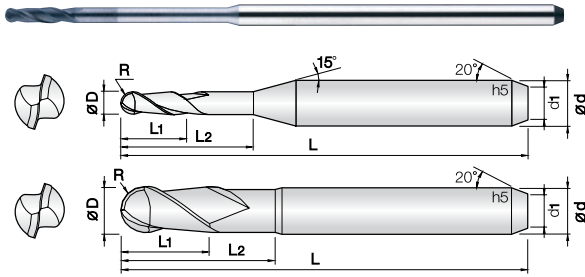
- Good wear resistance by Si-based PVD coating.
- High precise edge tolerance.
- Very nice work surface finish.



0.3 ~ 1.5R Ø0.6 ~ Ø3

mm

Order Number	Diameter R X Ø	Length of cut L1	Effective Length L2	Overall Length L	Shank Dia d1	Shank Dia d
2HRBD 006 050 645	0.3R X 0.6	0.8	5	45	3.5	6
2HRBD 006 050 650	0.3R X 0.6	0.8	5	50	3.5	6
2HRBD 006 120 645	0.3R X 0.6	0.8	12	45	3.5	6
2HRBD 006 120 650	0.3R X 0.6	0.8	12	50	3.5	6
2HRBD 008 080 645	0.4R X 0.8	1	8	45	3.5	6
2HRBD 008 080 650	0.4R X 0.8	1	8	50	3.5	6
2HRBD 008 120 645	0.4R X 0.8	1	12	45	3.5	6
2HRBD 008 120 650	0.4R X 0.8	1	12	50	3.5	6
2HRBD 010 040 645	0.5R X 1	2	4	45	3.5	6
2HRBD 010 060 645	0.5R X 1	2	6	45	3.5	6
2HRBD 010 080 645	0.5R X 1	2	8	45	3.5	6
2HRBD 010 080 650	0.5R X 1	2	8	50	3.5	6
2HRBD 010 100 645	0.5R X 1	2	10	45	3.5	6
2HRBD 010 100 650	0.5R X 1	2	10	50	3.5	6
2HRBD 010 120 645	0.5R X 1	2	12	45	3.5	6
2HRBD 010 120 650	0.5R X 1	2	12	50	3.5	6
2HRBD 015 100 645	0.75R X 1.5	2.5	10	45	3.5	6
NEW 2HRBD 015 100 650	0.75R X 1.5	2.5	10	50	3.5	6
2HRBD 015 120 645	0.75R X 1.5	2.5	12	45	3.5	6
2HRBD 015 120 650	0.75R X 1.5	2.5	12	50	3.5	6
2HRBD 015 140 645	0.75R X 1.5	2.5	14	45	3.5	6
2HRBD 015 140 650	0.75R X 1.5	2.5	14	50	3.5	6
2HRBD 020 050 645	1R X 2	3	5	45	3.5	6
2HRBD 020 080 645	1R X 2	3	8	45	3.5	6
2HRBD 020 120 645	1R X 2	3	12	45	3.5	6
2HRBD 020 120 650	1R X 2	3	12	50	3.5	6
2HRBD 020 140 645	1R X 2	3	14	45	3.5	6
2HRBD 020 140 650	1R X 2	3	14	50	3.5	6
2HRBD 020 160 645	1R X 2	3	16	45	3.5	6
2HRBD 020 160 650	1R X 2	3	16	50	3.5	6
NEW 2HRBD 025 120 645	1.25R X 2.5	2.5	12	45	3.5	6
NEW 2HRBD 025 120 650	1.25R X 2.5	2.5	12	50	3.5	6
2HRBD 030 080 645	1.5R X 3	4	8	45	3.5	6
2HRBD 030 100 645	1.5R X 3	4	10	45	3.5	6
2HRBD 030 120 645	1.5R X 3	4	12	45	3.5	6
2HRBD 030 120 650	1.5R X 3	4	12	50	3.5	6
2HRBD 030 160 645	1.5R X 3	4	16	45	3.5	6
2HRBD 030 160 650	1.5R X 3	4	16	50	3.5	6

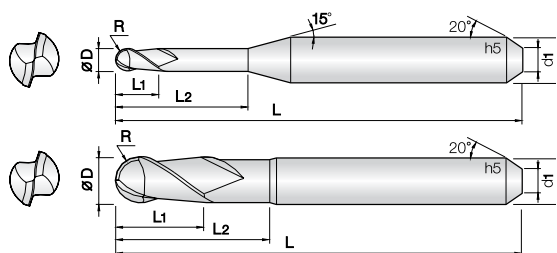


• Endmills for Zirconia, Ultimate, Non-ferrous and non-metallic materials.

- Excellent wear resistance and surface finishes by applying qualified CVD diamond coating.
- Wide range products prepared for various work shape and excellent performance.

mm

Order Number	Diameter R x D	Length of cut L1	Effective Length L2	Overall Length L	Shank Dia d1	Shank Dia d
2DBED 005 050 345	0.25R X 0.5	1.5	5	45	1.2	3
2DBED 005 050 350	0.25R X 0.5	1.5	5	50	1.2	3
2DBED 005 050 445	0.25R X 0.5	1.5	5	45	1.5	4
2DBED 005 050 450	0.25R X 0.5	1.5	5	50	1.5	4
2DBED 005 050 645	0.25R X 0.5	1.5	5	45	3.5	6
2DBED 005 050 650	0.25R X 0.5	1.5	5	50	3.5	6
2DBED 005 120 345	0.25R X 0.5	1.5	12	45	1.2	3
2DBED 005 120 350	0.25R X 0.5	1.5	12	50	1.2	3
2DBED 005 120 445	0.25R X 0.5	1.5	12	45	1.5	4
2DBED 005 120 450	0.25R X 0.5	1.5	12	50	1.5	4
2DBED 005 120 645	0.25R X 0.5	1.5	12	45	3.5	6
2DBED 005 120 650	0.25R X 0.5	1.5	12	50	3.5	6
2DBED 006 050 345	0.3R X 0.6	2	5	45	1.2	3
2DBED 006 050 350	0.3R X 0.6	2	5	50	1.2	3
2DBED 006 050 445	0.3R X 0.6	2	5	45	1.5	4
2DBED 006 050 450	0.3R X 0.6	2	5	50	1.5	4
2DBED 006 050 645	0.3R X 0.6	2	5	45	3.5	6
2DBED 006 050 650	0.3R X 0.6	2	5	50	3.5	6
2DBED 006 120 345	0.3R X 0.6	2	12	45	1.2	3
2DBED 006 120 350	0.3R X 0.6	2	12	50	1.2	3
2DBED 006 120 445	0.3R X 0.6	2	12	45	1.5	4
2DBED 006 120 450	0.3R X 0.6	2	12	50	1.5	4
2DBED 006 120 645	0.3R X 0.6	2	12	45	3.5	6
2DBED 006 120 650	0.3R X 0.6	2	12	50	3.5	6
2DBED 010 160 350	0.5R X 1	6	16	50	1.2	3
2DBED 010 160 355	0.5R X 1	6	16	55	1.2	3
2DBED 010 160 450	0.5R X 1	6	16	50	1.5	4
2DBED 010 160 455	0.5R X 1	6	16	55	1.5	4
2DBED 010 160 650	0.5R X 1	6	16	50	3.5	6
2DBED 010 160 655	0.5R X 1	6	16	55	3.5	6
2DBED 010 180 350	0.5R X 1	6	18	50	1.2	3
2DBED 010 180 355	0.5R X 1	6	18	55	1.2	3
2DBED 010 180 450	0.5R X 1	6	18	50	1.5	4
2DBED 010 180 455	0.5R X 1	6	18	55	1.5	4
2DBED 010 180 650	0.5R X 1	6	18	50	3.5	6
2DBED 010 180 655	0.5R X 1	6	18	55	3.5	6
2DBED 020 160 350	1R X 2	8	16	50	1.2	3
2DBED 020 160 355	1R X 2	8	16	55	1.2	3
2DBED 020 160 450	1R X 2	8	16	50	1.5	4
2DBED 020 160 455	1R X 2	8	16	55	1.5	4
2DBED 020 160 650	1R X 2	8	16	50	3.5	6
2DBED 020 160 655	1R X 2	8	16	55	3.5	6
2DBED 020 200 350	1R X 2	8	20	50	1.2	3
2DBED 020 200 355	1R X 2	8	20	55	1.2	3
2DBED 020 200 450	1R X 2	8	20	50	1.5	4
2DBED 020 200 455	1R X 2	8	20	55	1.5	4
2DBED 020 200 650	1R X 2	8	20	50	3.5	6
2DBED 020 200 655	1R X 2	8	20	55	3.5	6
2DBED 030 200 355	1.5R X 3	10	20	55	1.2	3
2DBED 030 200 455	1.5R X 3	10	20	55	1.5	4
2DBED 030 200 655	1.5R X 3	10	20	55	3.5	6



- **Endmills for PMMA, PEEK, WAX, A.B.S, non-ferrous and non-metallic materials.**
- Minimize chattering by even run-out and tolerance control.
- Excellent tool rigidity by short flute design at high speed, feed machining.
- Reinforced edge design for preventing edge chipping.
- Excellent wear resistance by applying fine WC grade.

[illegible]



0.3 ~ 1.25R Ø0.6 ~ Ø2.5

- **Endmills for Zirconia, E-MAX, Ultimate, Non-ferrous and non-metallic materials.**
- Milling process is suitable for completely sintered zirconia, ceramic and glass.
- Wear resistance is excellent by applying diamond particles with nickel plating.
- Precision processing is available with less bending on the tool with carbide material.

mm

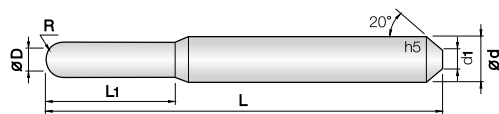
Order Number	Diameter R × D	Length of cut L1	Overall Length L	Shank Dia d1	Shank Dia d
EDD 006 060 340	0.3R X 0.6	6	40	1.6	3
EDD 006 060 350	0.3R X 0.6	6	50	1.6	3
EDD 006 060 440	0.3R X 0.6	6	40	2	4
EDD 006 060 450	0.3R X 0.6	6	50	2	4
EDD 006 060 640	0.3R X 0.6	6	40	4.2	6
EDD 006 060 650	0.3R X 0.6	6	50	4.2	6
EDD 010 100 340	0.5R X 1	10	40	1.6	3
EDD 010 100 350	0.5R X 1	10	50	1.6	3
EDD 010 100 440	0.5R X 1	10	40	2	4
EDD 010 100 450	0.5R X 1	10	50	2	4
EDD 010 100 640	0.5R X 1	10	40	4.2	6
EDD 010 100 650	0.5R X 1	10	50	4.2	6
EDD 015 080 450	0.75R X 1.5	8	50	2	4
NEW EDD 015 120 450	0.75R X 1.5	12	50	2	4

Order Number	R × D	of cut L1	Length L	Dia d1	Dia d
NEW EDD 015 120 650	0.75R X 1.5	12	50	4.2	6
NEW EDD 015 150 650	0.75R X 1.5	15	50	4.2	6
EDD 020 120 340	1R X 2	12	40	1.6	3
EDD 020 120 350	1R X 2	12	50	1.6	3
EDD 020 120 440	1R X 2	12	40	2	4
EDD 020 120 450	1R X 2	12	50	2	4
EDD 020 120 640	1R X 2	12	40	4.2	6
EDD 020 120 650	1R X 2	12	50	4.2	6
EDD 025 150 340	1.25R X 2.5	15	40	1.6	3
EDD 025 150 350	1.25R X 2.5	15	50	1.6	3
EDD 025 150 440	1.25R X 2.5	15	40	2	4
EDD 025 150 450	1.25R X 2.5	15	50	2	4
EDD 025 150 640	1.25R X 2.5	15	40	4.2	6
EDD 025 150 650	1.25R X 2.5	15	50	4.2	6

EDDH

Steel Electro Deposited Diamond End Mill

New



0.3 ~ 1.25R ø0.6~ ø2.5

• **Endmills for Zirconia, E-MAX, Ultimate, Non-ferrous and non-metallic materials.**

- Milling process is suitable for completely sintered zirconia, ceramic and glass.
- Wear resistance is excellent by applying diamond particles with nickel plating.
- High adhesion of diamond particles and carbide material, milling process is excellent on a workpiece.

mm

Order Number	Diameter R × D	Length of cut L1	Overall Length L	Shank Dia d1	Shank Dia d
EDDH 006 060 340	0.3R X 0.6	6	40	1.6	3
EDDH 006 060 350	0.3R X 0.6	6	50	1.6	3
EDDH 006 060 440	0.3R X 0.6	6	40	2	4
EDDH 006 060 450	0.3R X 0.6	6	50	2	4
EDDH 006 060 640	0.3R X 0.6	6	40	4.2	6
EDDH 006 060 650	0.3R X 0.6	6	50	4.2	6
EDDH 010 100 340	0.5R X 1	10	40	1.6	3
EDDH 010 100 350	0.5R X 1	10	50	1.6	3
EDDH 010 100 440	0.5R X 1	10	40	2	4
EDDH 010 100 450	0.5R X 1	10	50	2	4
EDDH 010 100 640	0.5R X 1	10	40	4.2	6
EDDH 010 100 650	0.5R X 1	10	50	4.2	6
EDDH 015 080 450	0.75R X 1.5	8	50	2	4
EDDH 015 120 450	0.75R X 1.5	12	50	2	4

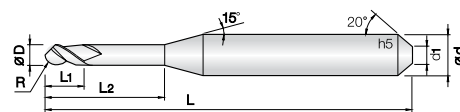
Order Number	Diameter R × D	Length of cut L1	Overall Length L	Shank Dia d1	Shank Dia d
EDDH 015 120 650	0.75R X 1.5	12	50	4.2	6
EDDH 015 150 650	0.75R X 1.5	15	50	4.2	6
EDDH 020 120 340	1R X 2	12	40	1.6	3
EDDH 020 120 350	1R X 2	12	50	1.6	3
EDDH 020 120 440	1R X 2	12	40	2	4
EDDH 020 120 450	1R X 2	12	50	2	4
EDDH 020 120 640	1R X 2	12	40	4.2	6
EDDH 020 120 650	1R X 2	12	50	4.2	6
EDDH 025 150 340	1.25R X 2.5	15	40	1.6	3
EDDH 025 150 350	1.25R X 2.5	15	50	1.6	3
EDDH 025 150 440	1.25R X 2.5	15	40	2	4
EDDH 025 150 450	1.25R X 2.5	15	50	2	4
EDDH 025 150 640	1.25R X 2.5	15	40	4.2	6
EDDH 025 150 650	1.25R X 2.5	15	50	4.2	6

ROLAND TYPE



1 Flutes Rib Ball End Mills for PMMA & PEEK & WAX

50, DWX 30, DWX 51D

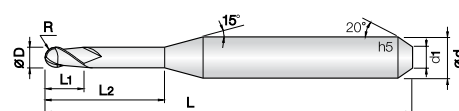


- mm

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2&3ROL

DWX 50, DWX 30, DWX 51D



mm

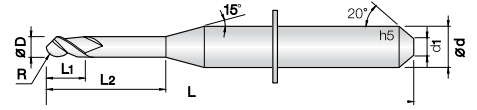
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1VHF

1 Flutes Rib Ball End Mills for PMMA & PEEK & WAX



Compatible Machine 4Axes,
Wieland, Brux Zir, EzMill, Jensen



• Endmills for PMMA, PEEK, WAX, A.B.S, non-ferrous and non-metallic materials.

단위 : mm

Order Number	Diameter R x D	Length of cut L1	Effective Length L2	Overall Length L	Shank Dia d1	Shank Dia d
1VHF 006 070 S03	0.3R X 0.6	2	7	35	1.6	3
1VHF 006 110 S03	0.3R X 0.6	2	11	35	1.6	3
1VHF 010 160 S03	0.5R X 1	5	16	35	1.6	3
1VHF 020 170 S03	1R X 2	8	17	35	1.6	3

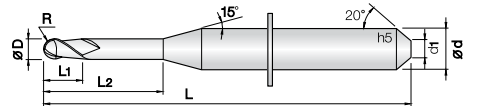
2&3VHF

2&3

2&3 Flutes Rib Ball End Mills for Zirconia



Compatible Machine 4Axes,
Wieland, Brux Zir, EzMill, Jensen



• Endmills for Zirconia, Ultimate, Non-ferrous and non-metallic materials.

단위 : mm

Order Number	Diameter R x D	Length of cut L1	Effective Length L2	Overall Length L	Shank Dia d1	Shank Dia d
2VHF 006 070 S03	0.3R X 0.6	2	7	35	1.6	3
2VHF 006 110 S03	0.3R X 0.6	2	11	35	1.6	3
2VHF 010 160 S03	0.5R X 1	5	16	35	1.6	3
2VHF 020 170 S03	1R X 2	8	17	35	1.6	3

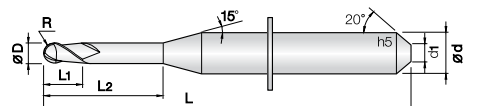
2&3VHFD

2&3

2&3 Flutes Diamond Coated Ball End Mills for Zirconia



Compatible Machine
5Axes, Wieland, Brux Zir, EzMill, Jensen



• Endmills for Zirconia, Ultimate, Non-ferrous and non-metallic materials.

단위 : mm

Order Number	Diameter R x D	Length of cut L1	Effective Length L2	Overall Length L	Shank Dia d1	Shank Dia d
2VHFD 006 070 S03	0.3R X 0.6	2	7	40	1.6	3
2VHFD 006 110 S03	0.3R X 0.6	2	11	40	1.6	3
2VHFD 010 170 S03	0.5R X 1	5	17	40	1.6	3
2VHFD 020 170 S03	1R X 2	8	17	40	1.6	3

CAD/CAM Milling Bur

CAD/CAM Milling Bur of each machine manufacturer

WIELAND TYPE

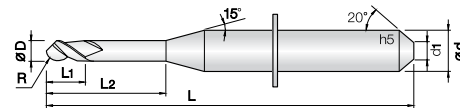
1WIE

1PMMA/PEEK/WAX

1 Flutes Rib Ball End Mills for PMMA & PEEK & WAX

Compatible Machine

Wieland mini, Select



0.3 ~ 1.25R ϕ 0.6~ ϕ 2.5

- PEEK, WAX, ABS
- Endmills for PMMA, PEEK, WAX, A.B.S, non-ferrous and non-metallic materials.

mm

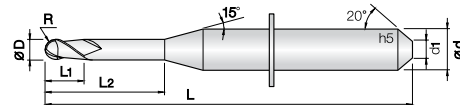
Order Number	Diameter R x D	Length of cut L1	Effective Length L2	Overall Length L	Shank Dia d1	Shank Dia d
1WIE 006 070 335	0.3R X 0.6	2	7	35	1.6	3
1WIE 006 070 340	0.3R X 0.6	2	7	40	1.6	3
1WIE 007 070 335	0.35R X 0.7	2	7	35	1.6	3
1WIE 007 070 340	0.35R X 0.7	2	7	40	1.6	3
1WIE 010 160 335	0.5R X 1	5	16	35	1.6	3
1WIE 010 170 340	0.5R X 1	5	17	40	1.6	3
1WIE 020 170 335	1R X 2	8	17	35	1.6	3
1WIE 020 170 340	1R X 2	8	17	40	1.6	3
1WIE 025 200 335	1.25R X 2.5	10	20	35	1.6	3
1WIE 025 200 340	1.25R X 2.5	10	20	40	1.6	3

2&3WIE

2&3 Flutes Rib Ball End Mills for Zirconia

Compatible Machine

Wieland mini



0.3 ~ 1.25R ϕ 0.6~ ϕ 2.5

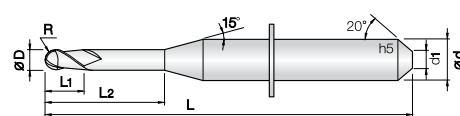
- ZrO2, (ULTIMAT)
- Endmills for Zirconia, Ultimate, Non-ferrous and non-metallic materials.

mm

Order Number	Diameter R x D	Length of cut L1	Effective Length L2	Overall Length L	Shank Dia d1	Shank Dia d
2WIE 006 070 335	0.3R X 0.6	2	7	35	1.6	3
2WIE 007 070 335	0.35R X 0.7	2	7	35	1.6	3
2WIE 010 160 335	3WIE 010 160 335 0.5R X 1	5	16	35	1.6	3
2WIE 020 170 335	3WIE 020 170 335 1R X 2	8	17	35	1.6	3
2WIE 025 200 335	3WIE 025 200 335 1.25R X 2.5	10	20	35	1.6	3

2&3WIED

2&3 Flutes Diamond Coated Ball End Mills for Zirconia



0.3 ~ 1.25R ϕ 0.6~ ϕ 2.5

- ZrO2, (ULTIMAT)
- Endmills for Zirconia, Ultimate, Non-ferrous and non-metallic materials.

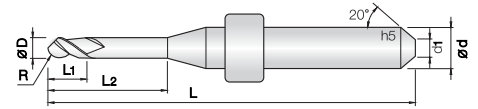
mm

Order Number	Diameter R x D	Length of cut L1	Effective Length L2	Overall Length L	Shank Dia d1	Shank Dia d
2WIED 006 070 340	0.3R X 0.6	2	7	40	1.6	3
2WIED 007 070 340	0.35R X 0.7	2	7	40	1.6	3
2WIED 010 170 340	3WIED 010 170 340 0.5R X 1	5	17	40	1.6	3
2WIED 020 170 340	3WIED 020 170 340 1R X 2	8	17	40	1.6	3
2WIED 025 200 340	3WIED 025 200 340 1.25R X 2.5	10	20	40	1.6	3

1IME

1 Flutes Rib Ball End Mills for PMMA & PEEK & WAX

250i, 350i, 450i, 540i, DMG



• Endmills for PMMA, PEEK, WAX, A.B.S, non-ferrous and non-metallic materials.

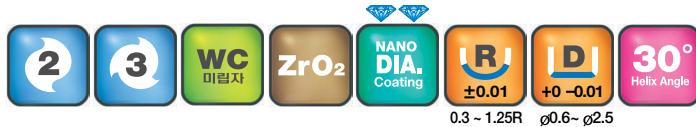
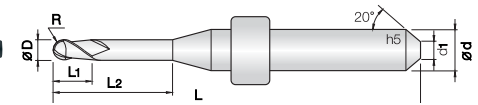
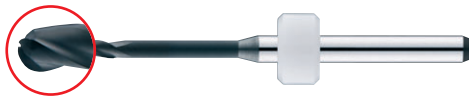
단위 : mm

Order Number	Diameter R x D	Length of cut L1	Effective Length L2	Overall Length L	Shank Dia d1	Shank Dia d
1IME 006 070 S03	0.3R X 0.6	2	7	48	1.6	3
1IME 006 070 S06	0.3R X 0.6	2	7	53	4.2	6
1IME 0065 120 S03	0.325R X 0.65	2	12	48	1.6	3
1IME 0065 120 S06	0.325R X 0.65	2	12	53	4.2	6
1IME 010 160 S03	0.5R X 1	2	16	48	1.6	3
1IME 010 160 S06	0.5R X 1	2	16	53	4.2	6
1IME 020 200 S03	1R X 2	8	20	48	1.6	3
1IME 020 200 S06	1R X 2	8	20	53	4.2	6
1IME 025 200 S03	1.25R X 2.5	9	20	48	1.6	3
1IME 025 200 S06	1.25R X 2.5	9	20	53	4.2	6

2&3IME

2&3 Flutes Diamond Coated Ball End Mills for Zirconia

250i



• Endmills for Zirconia, Ultimate, Non-ferrous and non-metallic materials.

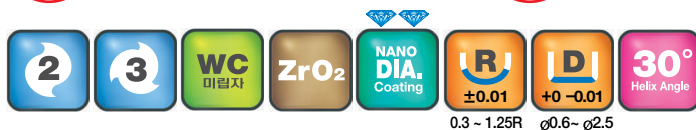
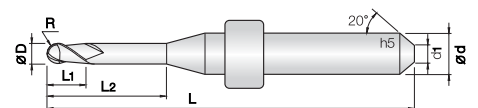
단위 : mm

Order Number	Diameter R x D	Length of cut L1	Effective Length L2	Overall Length L	Shank Dia d1	Shank Dia d
2IME 006 070 S03	0.3R X 0.6	2	7	48	1.6	3
2IME 0065 120 S03	0.325R X 0.65	2	12	48	1.6	3
2IME 010 160 S03	0.5R X 1	2	16	48	1.6	3
2IME 020 200 S03	1R X 2	8	20	48	1.6	3
2IME 025 200 S03	1.25R X 2.5	9	20	48	1.6	3
3IME 010 160 S03	0.5R X 1	2	16	48	1.6	3
3IME 020 200 S03	1R X 2	8	20	48	1.6	3
3IME 025 200 S03	1.25R X 2.5	9	20	48	1.6	3

2&3IME

2&3 Flutes Diamond Coated Ball End Mills for Zirconia

350i 450i, 540i, DMG



• Endmills for Zirconia, Ultimate, Non-ferrous and non-metallic materials.

단위 : mm

Order Number	Diameter R x D	Length of cut L1	Effective Length L2	Overall Length L	Shank Dia d1	Shank Dia d
2IME 006 070 S06	0.3R X 0.6	2	7	53	4.2	6
2IME 0065 120 S06	0.325R X 0.65	2	12	53	4.2	6
2IME 010 160 S06	0.5R X 1	2	16	53	4.2	6
2IME 020 200 S06	1R X 2	8	20	53	4.2	6
2IME 025 200 S06	1.25R X 2.5	9	20	53	4.2	6
3IME 010 160 S06	0.5R X 1	2	16	53	4.2	6
3IME 020 200 S06	1R X 2	8	20	53	4.2	6
3IME 025 200 S06	1.25R X 2.5	9	20	53	4.2	6

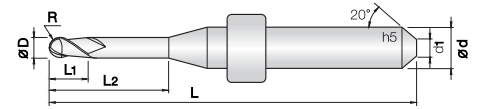
2SIR

2PMMA/PEEK/WAX

2 Flutes Rib Ball End Mills for PMMA & PEEK & WAX

Compatible Machine

Inlab MC X5



0.25 - 1.25R Ø0.5 - Ø2.5

- PMMA , PEEK, WAX, ABS
- Endmills for PMMA, PEEK, WAX, A.B.S, non-ferrous and non-metallic materials.

mm

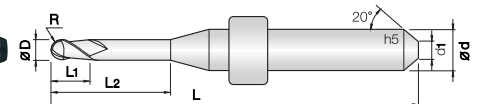
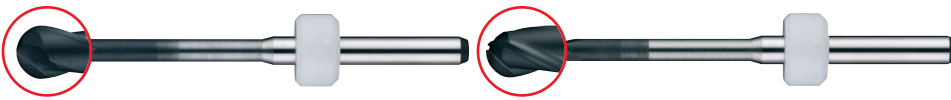
Order Number	Diameter R x D	Length of cut L1	Effective Length L2	Overall Length L	Shank Dia d1	Shank Dia d
2SIR 005 060 342	0.25R X 0.5	0.8	6	42	2	3
2SIR 010 170 343	0.5R X 1	2.7	17	43	2	3
2SIR 025 250 344	1.25R X 2.5	5	25	44	2	3

2&3SIRD

2&3 Flutes Diamond Coated Ball End Mills for Zirconia

Compatible Machine

Inlab MC X5



0.25 - 1.25R Ø0.5 - Ø2.5

- ZrO2 (ULTIMAT)
- Endmills for Zirconia, Ultimate, Non-ferrous and non-metallic materials.

mm

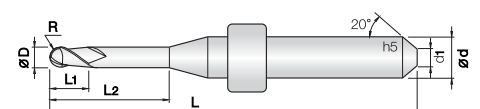
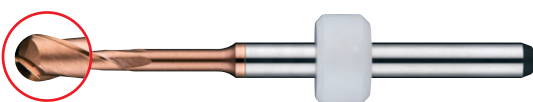
Order Number	Diameter R x D	Length of cut L1	Effective Length L2	Overall Length L	Shank Dia d1	Shank Dia d
2SIRD 005 050 342	0.25R X 0.5	1	5	42	2	3
2SIRD 010 180 343	0.5R X 1	3	18	43	2	3
2SIRD 025 250 344	1.25R X 2.5	5	25	44	2	3

2SIRT

2 Flutes Rib Ball End Mills for Titanium & Cobalt-Chrome

Compatible Machine

Inlab MC X5



0.5 - 1.5R Ø1 - Ø3

- Endmills for titanium and cobalt-chrom disk & abutment

mm

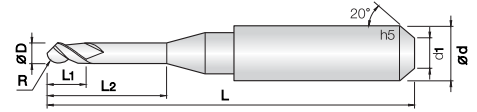
Order Number	Diameter R x D	Length of cut L1	Effective Length L2	Overall Length L	Shank Dia d1	Shank Dia d
2SIRT 010 080 338	0.5R X 1	3.3	8	38	2	3
2SIRT 020 120 349	1R X 2	4.5	12	39	2	3

1ARU

1&2 PMMA/PEEK/WAX

1&2 Flutes Rib Ball End Mills for PMMA & PEEK & WAX

Compatible Machine
5X100, 5X150



- PMMA , PEEK, WAX, ABS
- Endmills for PMMA, PEEK, WAX, A.B.S, non-ferrous and non-metallic materials.

mm

Order Number	Diameter R x D	Length of cut L1	Effective Length L2	Overall Length L	Shank Dia d1	Shank Dia d
1ARU 006 130 063	0.3R X 0.6	2	13	63	4.2	6
1ARU 010 160 063	0.5R X 1	6	16	63	4.2	6
1ARU 020 200 063	1R X 2	8	20	63	4.2	6

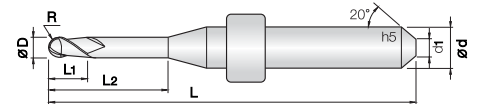
2ARU

2 PMMA/PEEK/WAX

2 Flutes Rib Ball End Mills for PMMA & PEEK & WAX

New

Compatible Machine
5X300



- PMMA , PEEK, WAX, ABS
- Endmills for PMMA, PEEK, WAX, A.B.S, non-ferrous and non-metallic materials.

mm

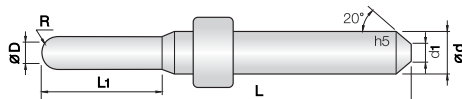
Order Number	Diameter R x D	Length of cut L1	Effective Length L2	Overall Length L	Shank Dia d1	Shank Dia d
2ARU 010 100 444	0.5R X 1	2	10	44	3	4
2ARU 015 140 447	0.75R X 1.5	3	14	47	3	4
2ARU 020 180 450	1R X 2	6	18	50	3	4

EARU

Electro Deposited Diamond End Mill

New

Compatible Machine
5X300



- E-MAX (Ultimate)
- Endmills for Zirconia, E-MAX, Ultimate, Non-ferrous and non-metallic materials.
- Milling process is suitable for completely sintered zirconia, ceramic and glass.
- Wear resistance is excellent by applying diamond particles with nickel plating.
- Precision processing is available with less bending on the tool with carbide material.

mm

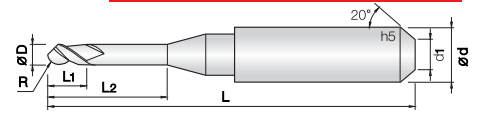
Order Number	Diameter R x D	Length of cut L1	Overall Length L	Shank Dia d1	Shank Dia d
EARU 010 100 445	0.5R X 1	10	44.5	3	4
EARU 015 100 445	0.75R X 1.5	10	44.5	3	4
EARU 020 130 445	1R X 2	13	44.5	3	4
EARU 025 130 445	1.25R X 2.5	13	44.5	3	4

1ZIR

1 Flutes Rib Ball End Mills for PMMA & PEEK & WAX



Compatible Machine
M1, M5



(PMMA), PEEK, WAX, ABS

- Endmills for PMMA, PEEK, WAX, A.B.S, non-ferrous and non-metallic materials.

단위 : mm

Order Number	Diameter R x D	Length of cut L1	Effective Length L2	Overall Length L	Shank Dia d1	Shank Dia d
1ZIR 005 050 S03	0.25R X 0.5	3	5	57		3
1ZIR 005 050 S06	0.25R X 0.5	3	5	50		6
1ZIR 010 160 S03	0.5R X 1	8	16	57		3
1ZIR 010 120 S06	0.5R X 1	6	12	50		6
1ZIR 020 180 S03	1R X 2	10	18	57		3
1ZIR 020 180 S06	1R X 2	10	18	50		6

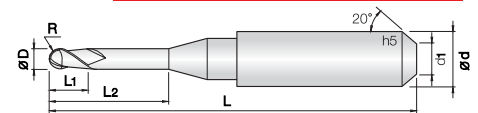
2&3ZIR

2&3

2&3 Flutes Rib Ball End Mills for Zirconia



Compatible Machine
M1, M5



- Endmills for Zirconia, Ultimate, Non-ferrous and non-metallic materials.

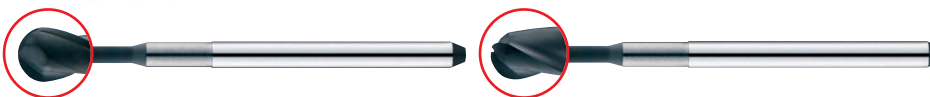
단위 : mm

Order Number	Diameter R x D	Length of cut L1	Effective Length L2	Overall Length L	Shank Dia d1	Shank Dia d
2ZIR 005 050 S03	0.25R X 0.5	3	5	57		3
2ZIR 005 050 S06	0.25R X 0.5	3	5	50		6
2ZIR 010 160 S03	0.5R X 1	8	16	57		3
2ZIR 010 120 S06	0.5R X 1	6	12	50		6
2ZIR 020 180 S03	1R X 2	10	18	57		3
2ZIR 020 180 S06	1R X 2	10	18	50		6

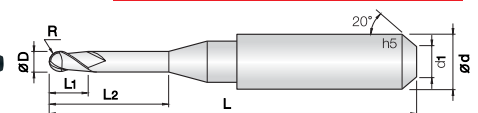
2&3ZIRD

2&3

2&3 Flutes Diamond Coated Ball End Mills for Zirconia



Compatible Machine
M1, M5



- Endmills for Zirconia, Ultimate, Non-ferrous and non-metallic materials.

단위 : mm

Order Number	Diameter R x D	Length of cut L1	Effective Length L2	Overall Length L	Shank Dia d1	Shank Dia d
2ZIRD 005 050 S03	0.25R X 0.5	3	5	57		3
2ZIRD 005 050 S06	0.25R X 0.5	3	5	50		6
2ZIRD 010 160 S03	0.5R X 1	8	16	57		3
2ZIRD 010 120 S06	0.5R X 1	6	12	50		6
2ZIRD 020 180 S03	1R X 2	10	18	57		3
2ZIRD 020 180 S06	1R X 2	10	18	50		6

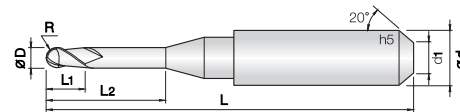
2ZIRT

2

2 Flutes Rib Ball End Mills for Titanium & Cobalt-Chrome

Compatible Machine

M1



• Endmills for titanium and cobalt-chrom disk & abutment

Order Number	Diameter R x D	Length of cut L1	Effective Length L2	Overall Length L	Shank Dia d1	Shank Dia d
2ZIRT 020 180 S06	1R X 2	3	18	50		6
2ZIRT 030 180 S06	1.5R X 3	4	18	50		6

CAD/CAM Milling Bur

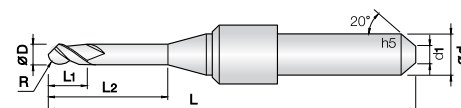
CAD/CAM Milling Bur of each machine manufacturer

AMANN TYPE

1AMA

1 PMMA/PEEK/WAX

1 Flutes Rib Ball End Mills for PMMA & PEEK & WAX



0.3 ~ 1.25R Ø0.6~ Ø2.5

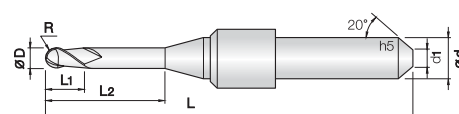
- (PMMA) PEEK, WAX, ABS
- Endmills for PMMA, PEEK, WAX, A.B.S, non-ferrous and non-metallic materials.

mm

Order Number	Diameter R x D	Length of cut L1	Effective Length L2	Overall Length L	Shank Dia d1	Shank Dia d
1AMA 006 070 S03	0.3R X 0.6	2	7	47	1.6	3
1AMA 010 170 S03	0.5R X 1	6	17	47	1.6	3
1AMA 025 170 S03	1.25R X 2.5	9	17	47	1.6	3

2&3AMA

2&3 Flutes Diamond Coated Ball End Mills for Zirconia



0.3 ~ 1.25R Ø0.6~ Ø2.5

- Endmills for Zirconia, Ultimate, Non-ferrous and non-metallic materials.

mm

Order Number	Diameter R x D	Length of cut L1	Effective Length L2	Overall Length L	Shank Dia d1	Shank Dia d
2AMA 003 140 S03	0.15R X 0.3	1.2	14 (2.5)	47	1.6	3
2AMA 006 070 S03	0.3R X 0.6	2	7	47	1.6	3
2AMA 006 120 S03	0.3R X 0.6	2	12	47	1.6	3
2AMA 010 170 S03	3AMA 010 170 S03 0.5R X 1	6	17	47	1.6	3
2AMA 025 170 S03	3AMA 025 170 S03 1.25R X 2.5	9	17	47	1.6	3