COGO

COGOTOOL

DENTAL CARBIDE END MILLS

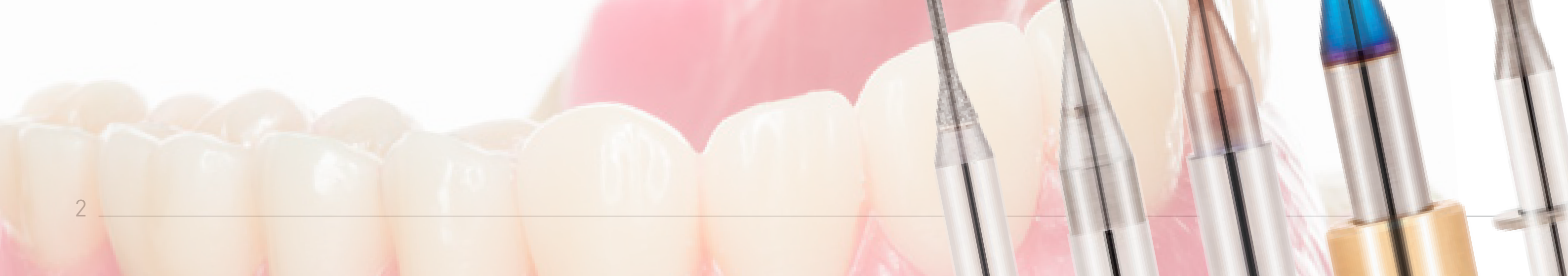
Core value

Management Philosophies

Create New Set of Values - Differentiate them according to Customer Perspective
新概念の価値創造 - 顧客視点で差別化
创造新概念的价值 – 站在顾客立场上的差别化视角

Honesty and Integrity – Mutual Trust between Customers and Company Workers
正直と誠実 – お客様､メンバー間の相互信頼
正直和诚实 – 顾客，组成员之间的相互信赖

Optimism and Passion – Future-oriented mindset
肯定的思考との強い情熱 - 未来への挑戦
正面积极的思考与强烈热情 – 挑战未来



History

Jun. 2008: Established Glotool Technology Co.,Ltd.
Mar. 2011: Changed company name to Glotool Biotech Co.,Ltd.
Jan. 2012: Set up company-affiliated research lab
Jul. 2012: Obtained ISO 14001 Environment Management System Certification
Obtained ISO 9001 Environment Management System Certification
Apr. 2013: Selected as Capability Building Program Candidate Business
(by the Administration of SMEs and Startups)
Jan. 2014: Certified as Venture Startup
Aug. 2014: Obtained Country of Origin Certification for Korea-Asean FTA, Korea-EU FTA
Nov. 2014: Added more manufacturing facilities
Dec. 2015: Achieved 1.2 million US$ export
Mar. 2017: Relocated company headquarters and plant
Apr. 2017: Securing site for second plant (4,282m^2)
Jan. 2018: Buildup smart factory system (Stage 1)

会社沿革

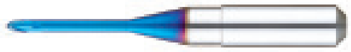
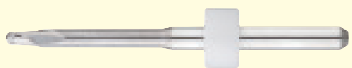
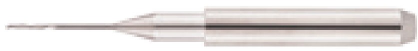
2008年 6月：グロツールテクノロジー(GLO TOOL TECHNOLOGY)設立
2011年 3月：グロツールバーイオテック(GLO TOOL BIOTECH)に商号変更
2012年 1月：企業付設研究所設立
7月：ISO 14001環境マネジメントシステム認証取得
ISO 9001環境マネジメントシステム認証取得
2013年 4月：輸出能力強化事業に選定(中小企業庁)
2014年 1月：ベンチャー企業認証
8月：韓国-アセアンFTA、韓国-EU FTA原産地証明書取得
11月：生産設備増設
2015年 12月：輸出120万ドル達成
2017年 3月：本社と工場新社屋に移転
2017年 4月：第2工場敷地確保 (4282m^2)
2018年 1月：スマートファクトリーシステム構築(1段階)

企业沿革

2008年 6月：Glo Tool Technology成立
2011年 3月：企业名称变更为Glo Tool Biotech
2012年 1月：企业附设研究所成立
7月：获得ISO14001环境管理体系认证
获得ISO9001质量保证体系认证
2013年 4月：入选出口能力强化项目（中小企业厅）
2014年 1月：获得风险投资企业认证
8月：韩国-东盟FTA，韩国-欧盟FTA，获得原产地证书
11月：增设生产设备
2015年 12月：实现出口120万美元
2017年 3月：总公司及工厂搬迁至新地址
2017年 4月：获取第2工厂基 (4282m^2)
2018年 1月：建造智能工厂系统（第1阶段）

CONTENTS

EDP.No and Specification are can be changed without notification for quality improvement.

SERIES	EDP NO.	APPEARANCE	COATING	MATERIAL	PAGE
ZIRKONZAHN	2&3ZID		DIAMOND	Zirconia	16
	2ZIB		ULTRA-X	Cobalt Chrom & Titanium	16
	1&2&3ZIN		NON COATING	PEEK & PMMA & WAX	17
SIRONA	2SID		DIAMOND	Zirconia	18
	2SIB		ULTRA-X	Cobalt Chrom & Titanium	18
	2SIN		NON COATING	PEEK & PMMA & WAX	18
ARUM	1ARD		NON COATING	PEEK & PMMA & WAX	19
	2&3ARD		DIAMOND	Zirconia	19
	2ART		TISIN	Cobalt Chrom & Titanium	19

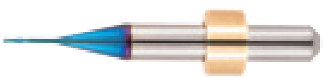
Ring type & Step type

• Ring type of VHF/ Wieland

• Step type of Zirkonzahn

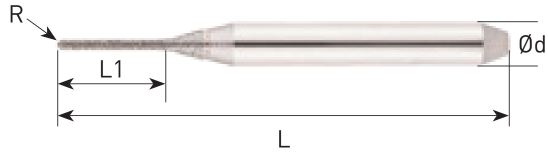
• Ring type of Amann Girrbach

• Step type of Arum



• Ring type of Imes-Icore

Electro Deposited Diamond *EPD*

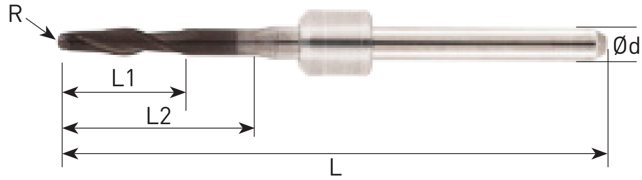


- Endmills for Glass Ceramic.
- ガラスセラミック加工用エンドミル
- 玻璃陶瓷加工用铣刀

订货号 Order Number	刃经 Diameter	刃长 Length of cut	全长 Overall Length	柄经 Shank Dia
	R X D	L1	L	d
EPD 006 060 340	0.3R X 0.6	6	40	3
EPD 006 060 350	0.3R X 0.6	6	50	3
EPD 006 060 440	0.3R X 0.6	6	40	4
EPD 006 060 450	0.3R X 0.6	6	50	4
EPD 006 060 640	0.3R X 0.6	6	40	6
EPD 006 060 650	0.3R X 0.6	6	50	6
EPD 010 100 340	0.5R X 1	10	40	3
EPD 010 100 350	0.5R X 1	10	50	3
EPD 010 100 440	0.5R X 1	10	40	4
EPD 010 100 450	0.5R X 1	10	50	4
EPD 010 100 640	0.5R X 1	10	40	6
EPD 010 100 650	0.5R X 1	10	50	6
EPD 015 080 450	0.75R X 1.5	8	50	4
EPD 015 120 450	0.75R X 1.5	12	50	4
EPD 015 120 650	0.75R X 1.5	12	50	6
EPD 020 120 340	1R X 2	12	40	3
EPD 020 120 350	1R X 2	12	50	3
EPD 020 120 440	1R X 2	12	40	4
EPD 020 120 450	1R X 2	12	50	4
EPD 020 120 640	1R X 2	12	40	6
EPD 020 120 650	1R X 2	12	50	6
EPD 025 150 340	1.25R X 2.5	15	40	3
EPD 025 150 350	1.25R X 2.5	15	50	3
EPD 025 150 440	1.25R X 2.5	15	40	4
EPD 025 150 450	1.25R X 2.5	15	50	4
EPD 025 150 640	1.25R X 2.5	15	40	6
EPD 025 150 650	1.25R X 2.5	15	50	6

AMANN GIRRBACH *2&3AMD*

2 3 UWC DIA Coating R ±0.005 30° Helix Angle

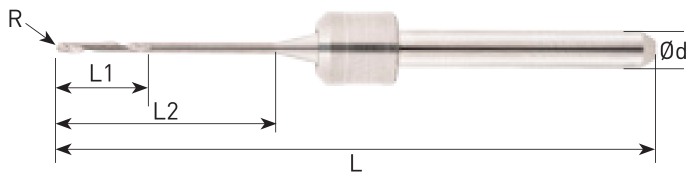


- 2&3 Flutes Endmills for Zirconia
- 2&3 刃ジルコニア加工用エンドミル
- 2&3 刃氧化锆加工用铣刀

订货号 Order Number	刃经 Diameter	刃长 Length of cut	有效长 Effective Length	全长 Overall Length	柄经 Shank Dia
	R X D	L1	L2	L	d
2AMD 006 070 347	R0.3 X 0.6	2	7	47	3
2AMD 006 140 347	R0.3 X 0.6	2	14	47	3
2AMD 010 160 347	R0.5 X 1	2	16	47	3
2AMD 010 170 347	R0.5 X 1	6	17	47	3
2AMD 025 185 347	R1.25 X 2.5	4	18.5	47	3
2AMD 025 170 347	R1.25 X 2.5	9	17	47	3
3AMD 010 170 347	R0.5 X 1	6	17	47	3
3AMD 025 170 347	R1.25 X 2.5	9	17	47	3

AMANN GIRRBACH *1&2AMN*

1 2 UWC Non Coating R ±0.005 30° Helix Angle



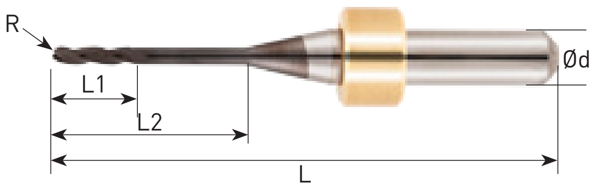
- 1&2 Flutes Endmills for PEEK & PMMA & WAX
- 1&2 刃樹脂加工用エンドミル
- 1&2 刃塑胶，有机玻璃，WAX加工用的铣刀

订货号 Order Number	刃经 Diameter	刃长 Length of cut	有效长 Effective Length	全长 Overall Length	柄经 Shank Dia
	R X D	L1	L2	L	d
1AMN 006 070 347	R0.3 X 0.6	2	7	47	3
1AMN 010 170 347	R0.5 X 1	6	17	47	3
1AMN 025 170 347	R1.25 X 2.5	9	17	47	3
2AMN 006 140 347	R0.3 X 0.6	2	14	47	3
2AMN 010 160 347	R0.5 X 1	2	16	47	3
2AMN 025 185 347	R1.25 X 2.5	4	18.5	47	3

All items are step type of AMANN GIRRBACH

IMES-ICORE

2&3IMD

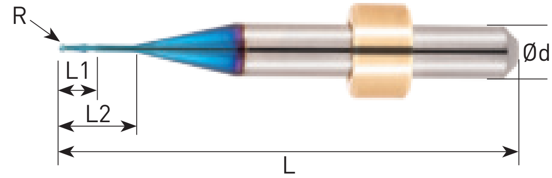


- 2&3 Flutes Endmills for Zirconia
- 2&3 刃ジルコニア加工用エンドミル
- 2&3 刃氧化锆加工用铣刀

订货号 Order Number	刃经 Diameter	刃长 Length of cut	有效长 Effective Length	全长 Overall Length	柄经 Shank Dia
	R X D	L1	L2	L	d
2IMD 006 082 348	R0.3 X 0.6	1.8	8.2	48	3
2IMD 006 070 348	R0.3 X 0.6	2	7	48	3
2IMD 006 070 653	R0.3 X 0.6	2	7	53	6
2IMD 0065 120 348	R0.325 X 0.65	2	12	48	3
2IMD 0065 120 653	R0.325 X 0.65	2	12	53	6
2IMD 010 160 348	R0.5 X 1	2	16	48	3
2IMD 010 160 653	R0.5 X 1	2	16	53	6
2IMD 010 120 348	R0.5 X 1	3	12	48	3
2IMD 020 200 348	R1 X 2	8	20	48	3
2IMD 020 200 653	R1 X 2	8	20	53	6
2IMD 025 125 348	R1.25 X 2.5	7.5	12.5	48	3
2IMD 025 200 348	R1.25 X 2.5	9	20	48	3
2IMD 025 200 653	R1.25 X 2.5	9	20	53	6
3IMD 010 160 348	R0.5 X 1	2	16	48	3
3IMD 010 160 653	R0.5 X 1	2	16	53	6
3IMD 020 200 348	R1 X 2	8	20	48	3
3IMD 020 200 653	R1 X 2	8	20	53	6
3IMD 025 200 348	R1.25 X 2.5	9	20	48	3
3IMD 025 200 653	R1.25 X 2.5	9	20	53	6

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

IMES-ICORE *2IMB*

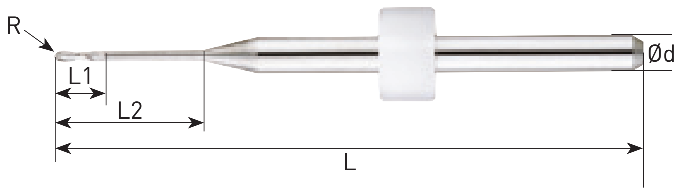


- 2 Flutes Endmills for Cobalt Chrom & Titanium.
- 2 刃コバルトクロム,チタン加工用エンドミル
- 2 刃钴铬合金，钛加工用铣刀

订货号 Order Number	刃经 Diameter	刃长 Length of cut	有效长 Effective Length	全长 Overall Length	柄经 Shank Dia
	R X D	L1	L2	L	d
2IMB 008 080 650	R0.4 X 0.8	3.5	8	50	6
2IMB 010 080 339	R0.5 X 1	3	8	39	3
2IMB 010 080 650	R0.5 X 1	3	8	50	6
2IMB 010 100 650	R0.5 X 1	3	10	50	6
2IMB 010 120 348	R0.5 X 1	3	12	48	3
2IMB 015 120 650	R0.75 X 1.5	4	12	50	6
2IMB 025 125 348	R1.25 X 2.5	7.5	12.5	48	3

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

IMES-ICORE *1&2IMN*



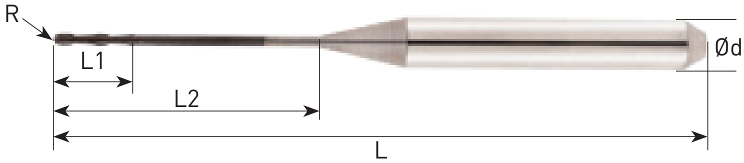
- 1&2 Flutes Endmills for PEEK & PMMA & WAX
- 1&2 刃樹脂加工用エンドミル
- 1&2 刃塑胶，有机玻璃，WAX加工用的铣刀

订货号 Order Number	刃经 Diameter	刃长 Length of cut	有效长 Effective Length	全长 Overall Length	柄经 Shank Dia
	R X D	L1	L2	L	d
1IMN 006 070 348	R0.3 X 0.6	2	7	48	3
1IMN 006 070 653	R0.3 X 0.6	2	7	53	6
1IMN 0065 120 348	R0.325 X 0.65	2	12	48	3
1IMN 0065 120 653	R0.325 X 0.65	2	12	53	6
1IMN 010 160 348	R0.5 X 1	2	16	48	3
1IMN 010 160 653	R0.5 X 1	2	16	53	6
1IMN 020 200 348	R1 X 2	8	20	48	3
1IMN 020 200 653	R1 X 2	8	20	53	6
1IMN 025 200 348	R1.25 X 2.5	9	20	48	3
1IMN 025 200 653	R1.25 X 2.5	9	20	53	6
2IMN 006 082 348	R0.3 X 0.6	1.8	8.2	48	3
2IMN 010 120 348	R0.5 X 1	3	12	48	3
2IMN 025 125 348	R1.25 X 2.5	7.5	12.5	48	3

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

ROLAND

2&3ROD

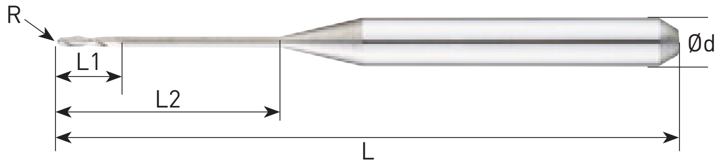


- 2&3 Flutes Endmills for Zirconia
- 2&3 刃ジルコニア加工用エンドミル
- 2&3 刃氧化锆加工用铣刀

订货号 Order Number	刃经 Diameter	刃长 Length of cut	有效长 Effective Length	全长 Overall Length	柄经 Shank Dia
	R X D	L1	L2	L	d
2ROD 006 060 450	R0.3 X 0.6	2	6	50	4
2ROD 006 082 450	R0.3 X 0.6	1.8	8.2	50	4
2ROD 006 140 450	R0.3 X 0.6	2	14	50	4
2ROD 010 120 450	R0.5 X 1	3	12	50	4
2ROD 010 160 348	R0.5 X 1	4	16	48	3
2ROD 010 160 450	R0.5 X 1	6	16	50	4
2ROD 010 200 450	R0.5 X 1	6	20	50	4
2ROD 020 140 450	R1 X 2	6	14	50	4
2ROD 020 200 348	R1 X 2	4.5	20	48	3
2ROD 020 200 450	R1 X 2	8	20	50	4
2ROD 025 220 348	R1.25 X 2.5	4.5	22	48	3
2ROD 030 200 450	R1.5 X 3	10	20	50	4
2ROD 030 250 348	R1.5 X 3	6	25	48	3
3ROD 010 160 450	R0.5 X 1	6	16	50	4
3ROD 010 200 450	R0.5 X 1	6	20	50	4
3ROD 020 200 450	R1 X 2	8	20	50	4
3ROD 030 200 450	R1.5 X 3	10	20	50	4

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

ROLAND 1&2RON

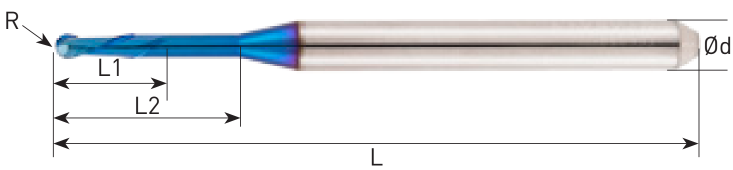


- 1&2 Flutes Endmills for PEEK & PMMA & WAX
- 1&2 刃樹脂加工用エンドミル
- 1&2 刃塑胶，有机玻璃，WAX加工用的铣刀

订货号 Order Number	刃经 Diameter	刃长 Length of cut	有效长 Effective Length	全长 Overall Length	柄经 Shank Dia
	R X D	L1	L2	L	d
1RON 006 060 450	R0.3 X 0.6	2	6	50	4
1RON 006 140 450	R0.3 X 0.6	2	14	50	4
1RON 010 160 450	R0.5 X 1	6	16	50	4
1RON 010 200 450	R0.5 X 1	6	20	50	4
1RON 020 200 450	R1 X 2	8	20	50	4
1RON 030 200 450	R1.5 X 3	10	20	50	4
2RON 003 031 450	R0.15 X 0.3	0.9	3.1	50	4
2RON 006 060 450	R0.3 X 0.6	2	6	50	4
2RON 008 096 450	R0.4 X 0.8	2.4	9.6	50	4
2RON 010 120 450	R0.5 X 1	3	12	50	4
2RON 010 180 450	R0.5 X 1	4	18	50	4
2RON 020 140 450	R1 X 2	6	14	50	4
2RON 020 200 450	R1 X 2	5.5	20	50	4

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

ROLAND 2ROB

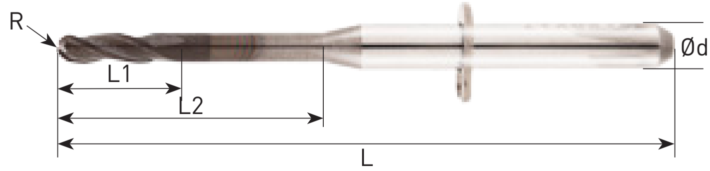


- 2 Flutes Endmills for Cobalt Chrom & Titanium.
- 2 刃コバルトクロム,チタン加工用エンドミル
- 2 刃钴铬合金，钛加工用铣刀

订货号 Order Number	刃经 Diameter	刃长 Length of cut	有效长 Effective Length	全长 Overall Length	柄经 Shank Dia
	R X D	L1	L2	L	d
2ROB 006 060 450	R0.3 X 0.6	2	6	50	4
2ROB 010 120 450	R0.5 X 1	3	12	50	4
2ROB 020 140 450	R1 X 2	6	14	50	4

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

VHF 2&3VHD

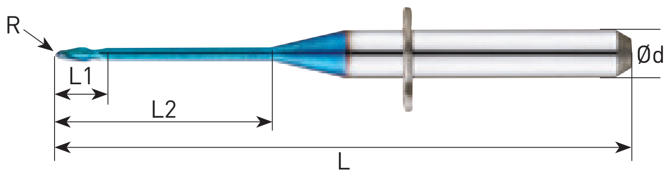


- 2&3 Flutes Endmills for Zirconia
- 2&3 刃ジルコニア加工用エンドミル
- 2&3 刃氧化锆加工用铣刀

订货号 Order Number	刃经 Diameter	刃长 Length of cut	有效长 Effective Length	全长 Overall Length	柄经 Shank Dia
	R X D	L1	L2	L	d
2VHD 006 030 340	R0.3 X 0.6	1.2	3	40	3
2VHD 006 050 335	R0.3 X 0.6	1.2	5	35	3
2VHD 006 070 340	R0.3 X 0.6	2	7	40	3
2VHD 006 088 335	R0.3 X 0.6	1.2	8.8	35	3
2VHD 006 088 340	R0.3 X 0.6	1.2	8.8	40	3
2VHD 006 110 340	R0.3 X 0.6	2	11	40	3
2VHD 010 130 335	R0.5 X 1	2	13	35	3
2VHD 010 160 335	R0.5 X 1	2	16	35	3
2VHD 010 160 340	R0.5 X 1	2	16	40	3
2VHD 010 170 340	R0.5 X 1	5	17	40	3
2VHD 020 160 335	R1 X 2	4	16	35	3
2VHD 020 160 340	R1 X 2	4	16	40	3
2VHD 020 170 340	R1 X 2	8	17	40	3
3VHD 010 170 340	R0.5 X 1	5	17	40	3
3VHD 020 170 340	R1 X 2	8	17	40	3

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

VHF 2VHB

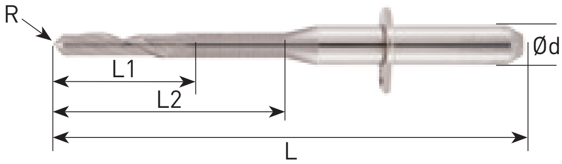


- 2 Flutes Endmills for Cobalt Chrom & Titanium.
- 2 刃コバルトクロム,チタン加工用エンドミル
- 2 刃钴铬合金，钛加工用铣刀

订货号 Order Number	刃经 Diameter	刃长 Length of cut	有效长 Effective Length	全长 Overall Length	柄经 Shank Dia
	R X D	L1	L2	L	d
2VHB 010 130 335	R0.5 X 1	2	13	35	3
2VHB 020 160 335	R1 X 2	4	16	35	3

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

1 2 3 UWC Non Coating R ±0.005 30° Helix Angle

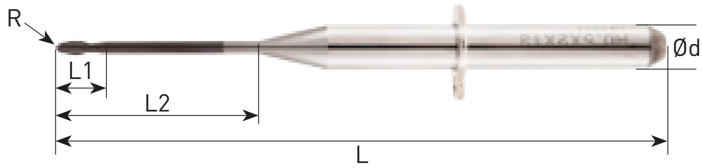


- 1&2&3 Flutes Endmills for PEEK & PMMA & WAX
- 1&2&3 刃樹脂加工用エンドミル
- 1&2&3 刃塑胶，有机玻璃，WAX加工用的铣刀

订货号 Order Number	刃经 Diameter	刃长 Length of cut	有效长 Effective Length	全长 Overall Length	柄经 Shank Dia
	R X D	L1	L2	L	d
1VHN 006 070 335	R0.3 X 0.6	2	7	35	3
1VHN 006 110 335	R0.3 X 0.6	2	11	35	3
1VHN 010 160 335	R0.5 X 1	5	16	35	3
1VHN 020 170 335	R1 X 2	8	17	35	3
2VHN 006 030 335	R0.3 X 0.6	1.2	3	35	3
2VHN 006 030 340	R0.3 X 0.6	1.2	3	40	3
2VHN 006 070 335	R0.3 X 0.6	2	7	35	3
2VHN 006 088 335	R0.3 X 0.6	1.2	8.8	35	3
2VHN 006 088 340	R0.3 X 0.6	1.2	8.8	40	3
2VHN 006 110 335	R0.3 X 0.6	2	11	35	3
2VHN 010 130 335	R0.5 X 1	2	13	35	3
2VHN 010 160 335	R0.5 X 1	5	16	35	3
2VHN 010 160 340	R0.5 X 1	2	16	40	3
2VHN 020 160 335	R1 X 2	4	16	35	3
2VHN 020 160 340	R1 X 2	4	16	40	3
2VHN 020 170 335	R1 X 2	8	17	35	3
3VHN 010 160 335	R0.5 X 1	5	16	35	3
3VHN 020 170 335	R1 X 2	8	17	35	3

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

WIELAND 2&3WID

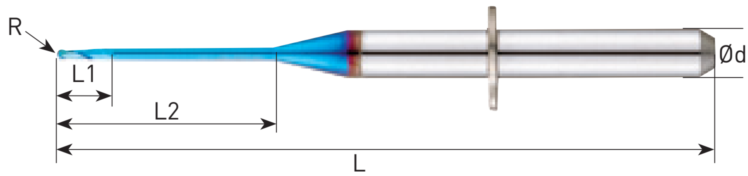


- 2&3 Flutes Endmills for Zirconia
- 2&3 刃ジルコニア加工用エンドミル
- 2&3 刃氧化锆加工用铣刀

订货号 Order Number	刃经 Diameter R X D	刃长 Length of cut L1	有效长 Effective Length L2	全长 Overall Length L	柄经 Shank Dia d
2WID 006 070 340	R0.3 X 0.6	2	7	40	3
2WID 007 070 340	R0.35 X 0.7	2	7	40	3
2WID 007 086 335	R0.35 X 0.7	1.4	8.6	35	3
2WID 007 086 340	R0.35 X 0.7	1.4	8.6	40	3
2WID 010 130 335	R0.5 X 1	2	13	35	3
2WID 010 130 340	R0.5 X 1	2	13	40	3
2WID 010 170 340	R0.5 X 1	5	17	40	3
2WID 020 160 335	R1 X 2	4	16	35	3
2WID 020 160 340	R1 X 2	4	16	40	3
2WID 020 170 340	R1 X 2	8	17	40	3
2WID 025 150 335	R1.25 X 2.5	5	15	35	3
2WID 025 150 340	R1.25 X 2.5	5	15	40	3
2WID 025 200 340	R1.25 X 2.5	10	20	40	3
3WID 010 170 340	R0.5 X 1	5	17	40	3
3WID 020 170 340	R1 X 2	8	17	40	3
3WID 025 200 340	R1.25 X 2.5	10	20	40	3

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

WIELAND 2WIB



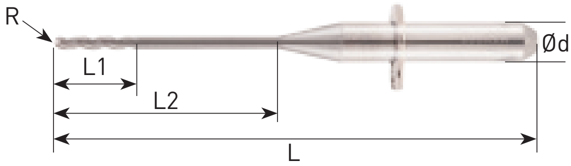
- 2 Flutes Endmills for Cobalt Chrom & Titanium.
- 2 刃コバルトクロム,チタン加工用エンドミル
- 2 刃钴铬合金，钛加工用铣刀

订货号 Order Number	刃经 Diameter R X D	刃长 Length of cut L1	有效长 Effective Length L2	全长 Overall Length L	柄经 Shank Dia d
2WIB 010 130 335	R0.5 X 1	2	13	35	3
2WIB 010 130 340	R0.5 X 1	2	13	40	3
2WIB 020 160 335	R1 X 2	4	16	35	3
2WIB 020 160 340	R1 X 2	4	16	40	3
2WIB 025 150 335	R1.25 X 2.5	5	15	35	3
2WIB 025 150 340	R1.25 X 2.5	5	15	40	3

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

WIELAND

1&2&3WIN



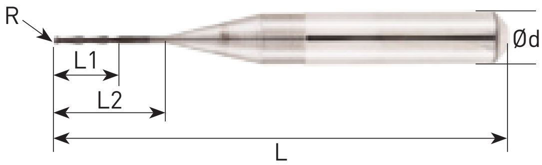
- 1&2&3 Flutes Endmills for PEEK & PMMA & WAX
- 1&2&3 刃樹脂加工用エンドミル
- 1&2&3 刃塑胶，有机玻璃，WAX加工用的铣刀

订货号 Order Number	刃经 Diameter	刃长 Length of cut	有效长 Effective Length	全长 Overall Length	柄经 Shank Dia
	R X D	L1	L2	L	d
1WIN 006 070 335	R0.3 X 0.6	2	7	35	3
1WIN 006 070 340	R0.3 X 0.6	2	7	40	3
1WIN 007 070 335	R0.35 X 0.7	2	7	35	3
1WIN 007 070 340	R0.35 X 0.7	2	7	40	3
1WIN 010 160 335	R0.5 X 1	5	16	35	3
1WIN 010 170 340	R0.5 X 1	5	17	40	3
1WIN 020 170 335	R1 X 2	8	17	35	3
1WIN 020 170 340	R1 X 2	8	17	40	3
1WIN 025 200 335	R1.25 X 2.5	10	20	35	3
1WIN 025 200 340	R1.25 X 2.5	10	20	40	3
2WIN 003 034 335	R0.15 X 0.3	0.6	3.4	35	3
2WIN 003 034 340	R0.15 X 0.3	0.6	3.4	40	3
2WIN 006 070 335	R0.3 X 0.6	2	7	35	3
2WIN 007 070 335	R0.35 X 0.7	2	7	35	3
2WIN 007 086 335	R0.35 X 0.7	1.4	8.6	35	3
2WIN 007 086 340	R0.35 X 0.7	1.4	8.6	40	3
2WIN 010 130 335	R0.5 X 1	2	13	35	3
2WIN 010 130 340	R0.5 X 1	2	13	40	3
2WIN 010 160 335	R0.5 X 1	5	16	35	3
2WIN 020 160 335	R1 X 2	4	16	35	3
2WIN 020 160 340	R1 X 2	4	16	40	3
2WIN 020 170 335	R1 X 2	8	17	35	3
2WIN 025 150 335	R1.25 X 2.5	5	15	35	3
2WIN 025 150 340	R1.25 X 2.5	5	15	40	3
2WIN 025 200 335	R1.25 X 2.5	10	20	35	3
3WIN 010 160 335	R0.5 X 1	5	16	35	3
3WIN 020 170 335	R1 X 2	8	17	35	3
3WIN 025 200 335	R1.25 X 2.5	10	20	35	3

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

ZIRKONZAHN

2&3ZID



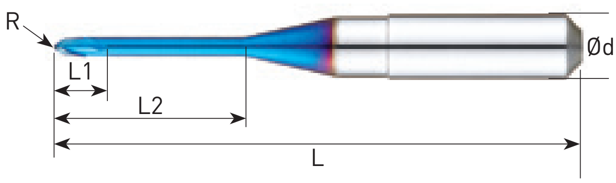
- 2&3 Flutes Endmills for Zirconia
- 2&3 刃ジルコニア加工用エンドミル
- 2&3 刃氧化锆加工用铣刀

订货号 Order Number	刃经 Diameter	刃长 Length of cut	有效长 Effective Length	全长 Overall Length	柄经 Shank Dia
	R X D	L1	L2	L	d
2ZID 005 050 357	R0.25 X 0.5	3	5	57	3
2ZID 005 050 650	R0.25 X 0.5	3	5	50	6
2ZID 010 120 650	R0.5 X 1	6	12	50	6
2ZID 010 160 357	R0.5 X 1	8	16	57	3
2ZID 020 180 357	R1 X 2	10	18	57	3
2ZID 020 180 650	R1 X 2	10	18	50	6
3ZID 010 120 650	R0.5 X 1	6	12	50	6
3ZID 010 160 357	R0.5 X 1	8	16	57	3
3ZID 020 180 357	R1 X 2	10	18	57	3
3ZID 020 180 650	R1 X 2	10	18	50	6

All items are step type of ZIRKONZAHN

ZIRKONZAHN

2ZIB



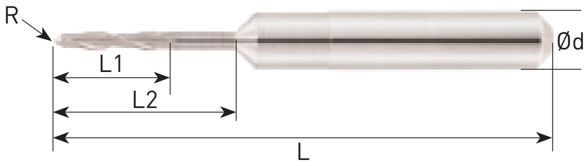
- 2 Flutes Endmills for Cobalt Chrom & Titanium.
- 2 刃コバルトクロム,チタン加工用エンドミル
- 2 刃钴铬合金，钛加工用铣刀

订货号 Order Number	刃经 Diameter	刃长 Length of cut	有效长 Effective Length	全长 Overall Length	柄经 Shank Dia
	R X D	L1	L2	L	d
2ZIB 020 180 650	R1 X 2	3	18	50	6
2ZIB 030 180 650	R1.5 X 3	4	18	50	6

All items are step type of ZIRKONZAHN

ZIRKONZAHN

1&2&3ZIN

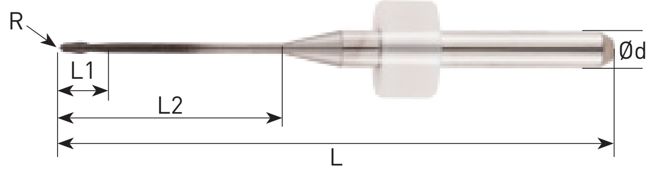


- 1&2&3 Flutes Endmills for PEEK & PMMA & WAX
- 1&2&3 刃樹脂加工用エンドミル
- 1&2&3 刃塑胶，有机玻璃，WAX加工用的铣刀

订货号 Order Number	刃经 Diameter R X D	刃长 Length of cut L1	有效长 Effective Length L2	全长 Overall Length L	柄经 Shank Dia d
1ZIN 005 050 357	R0.25 X 0.5	3	5	57	3
1ZIN 005 050 650	R0.25 X 0.5	3	5	50	6
1ZIN 010 120 650	R0.5 X 1	6	12	50	6
1ZIN 010 160 357	R0.5 X 1	8	16	57	3
1ZIN 020 180 357	R1 X 2	10	18	57	3
1ZIN 020 180 650	R1 X 2	10	18	50	6
2ZIN 005 050 357	R0.25 X 0.5	3	5	57	3
2ZIN 005 050 650	R0.25 X 0.5	3	5	50	6
2ZIN 010 120 650	R0.5 X 1	6	12	50	6
2ZIN 010 160 357	R0.5 X 1	8	16	57	3
2ZIN 020 180 357	R1 X 2	10	18	57	3
2ZIN 020 180 650	R1 X 2	10	18	50	6
3ZIN 010 120 650	R0.5 X 1	6	12	50	6
3ZIN 010 160 357	R0.5 X 1	8	16	57	3
3ZIN 020 180 357	R1 X 2	10	18	57	3
3ZIN 020 180 650	R1 X 2	10	18	50	6

All items are step type of ZIRKONZAHN

SIRONA 2SID

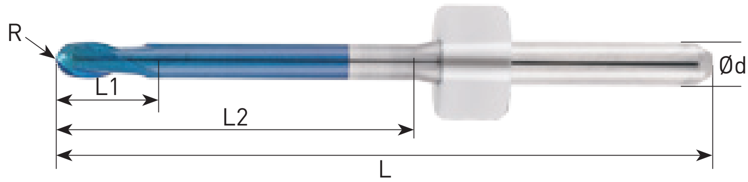


- 2 Flutes Endmills for Zirconia
- 2 刃ジルコニア加工用エンドミル
- 2 刃氧化锆加工用铣刀

订货号 Order Number	刃经 Diameter	刃长 Length of cut	有效长 Effective Length	全长 Overall Length	柄经 Shank Dia
	R X D	L1	L2	L	d
2SID 005 040 342	R0.25 X 0.5	1	4	42	3
2SID 010 170 343	R0.5 X 1	3	17	43	3
2SID 025 200 344	R1.25 X 2.5	4	20	44	3

Applicable machine: MC X5

SIRONA 2SIB

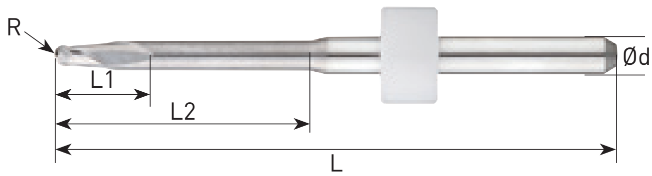


- 2 Flutes Endmills for Cobalt Chrom & Titanium.
- 2 刃コバルトクロム,チタン加工用エンドミル
- 2 刃钴铬合金，钛加工用铣刀

订货号 Order Number	刃经 Diameter	刃长 Length of cut	有效长 Effective Length	全长 Overall Length	柄经 Shank Dia
	R X D	L1	L2	L	d
2SIB 010 140 343	R0.5 X 1	3	14	43	3
2SIB 025 240 344	R1.25 X 2.5	4	24	44	3

Applicable machine: MC X5

SIRONA 2SIN



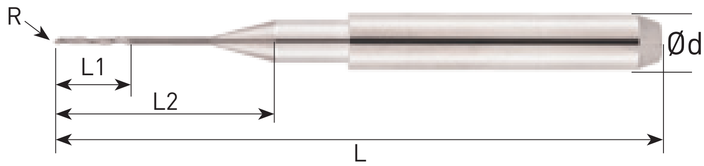
- 2 Flutes Endmills for PEEK & PMMA & WAX
- 2 刃樹脂加工用エンドミル
- 2 刃塑胶，有机玻璃，WAX加工用的铣刀

订货号 Order Number	刃经 Diameter	刃长 Length of cut	有效长 Effective Length	全长 Overall Length	柄经 Shank Dia
	R X D	L1	L2	L	d
2SIN 005 040 342	R0.25 X 0.5	1	4	42	3
2SIN 010 140 343	R0.5 X 1	3	14	43	3
2SIN 025 200 344	R1.25 X 2.5	4	20	44	3

Applicable machine: MC X5

ARUM 1ARD

1 UWC Non Coating R ±0.005 30° Helix Angle

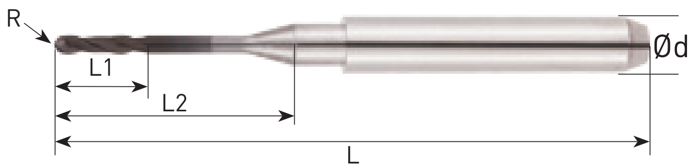


- 1 Flutes Endmills for PEEK & PMMA & WAX
- 1 刃樹脂加工用エンドミル
- 1 刃塑胶，有机玻璃，WAX加工用的铣刀

订货号 Order Number	刃经 Diameter	刃长 Length of cut	有效长 Effective Length	全长 Overall Length	柄经 Shank Dia
	R X D	L1	L2	L	d
1ARD 006 130 663	0.3R X 0.6	2	13	63	6
1ARD 010 160 663	0.5R X 1	6	16	63	6
1ARD 020 200 663	1R X 2	8	20	63	6

ARUM 2&3ARD

2 3 UWC DIA Coating R ±0.005 30° Helix Angle

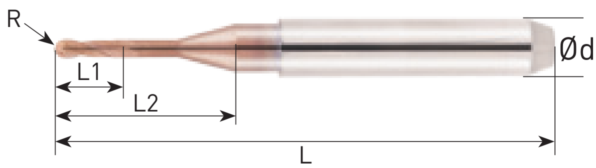


- 2&3 Flutes Endmills for Zirconia
- 2&3 刃ジルコニア加工用エンドミル
- 2&3 刃氧化锆加工用铣刀

订货号 Order Number	刃经 Diameter	刃长 Length of cut	有效长 Effective Length	全长 Overall Length	柄经 Shank Dia
	R X D	L1	L2	L	d
2ARD 006 130 663	0.3R X 0.6	2	13	63	6
2ARD 010 160 663	0.5R X 1	6	16	63	6
2ARD 020 200 663	1R X 2	8	20	63	6
3ARD 010 160 663	0.5R X 1	6	16	63	6
3ARD 020 200 663	1R X 2	8	20	63	6

ARUM 2ART

2 UWC TISIN Coating R ±0.005 30° Helix Angle



- 2 Flutes Endmills for Cobalt Chrom & Titanium.
- 2 刃コバルトクロム,チタン加工用エンドミル
- 2 刃钴铬合金，钛加工用铣刀

订货号 Order Number	刃经 Diameter	刃长 Length of cut	有效长 Effective Length	全长 Overall Length	柄经 Shank Dia
	R X D	L1	L2	L	d
2ART 010 080 650	0.5R X 1	2	8	50	6
2ART 015 100 650	0.75R X 1.5	3	10	50	6
2ART 020 120 650	1R X 2	6	12	50	6
2ART 030 120 650	1.5R X 3	8	12	50	6

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2019. 07

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