






# High Performance Routers

**Specially selected**








- **Routers**
- **O-Flute Routers**
- **CFRP Routers with CVD Diamond Coating**







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## Features Legend

	2 Flutes		Multi-Flute
	3 Flutes		Plain Shank
	4 Flutes		Corner Radius
	6 Flutes		

## Coatings Legend

	PowerA Coating
	PowerZ Coating
	PowerN Coating
	PowerRD Coating

### Mastercut's Superior Carbide Blend – A-Gr-SiV (Active Grain Sized Volume)

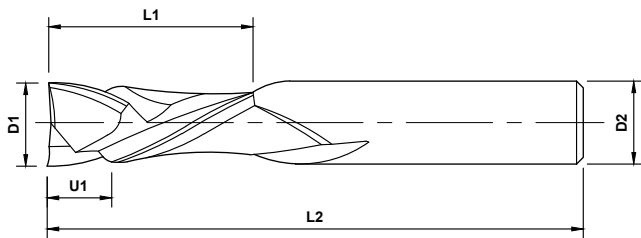
Our superior tungsten carbide gives you the ability to be *aggressive* when you need to be. Growth inhibitors in our submicron carbide blanks maintain the most consistent grain size available, giving you superior hardness AND toughness.

*Please contact us for our full line of metric products.*

# Routers

## 2 Flute Compression

2 Flutes • Coated and Uncoated



- High Performance **A-Gr-SiV** submicron grain carbide
- Unique right and left fluting, controls finish on both sides of work-piece
- Effective for wide range of materials
- MAP certified quality



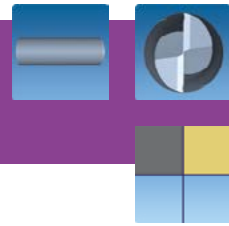
Uncoated

OD	LOC	Upcut	SHK	OAL	Uncoated		PowerA		PowerZ	
D1	L1	U1	D2	L2	Standard	Mortise	Standard	Mortise	Standard	Mortise
1/4	7/8	.188	1/4	2-1/2	-	810-202	-	810-202-1	-	810-202-4
1/4	7/8	.2756	1/4	2-1/2	810-030	-	810-030-1	-	810-030-4	-
1/4	7/8	.385	1/4	2-1/2	810-020	-	810-020-1	-	810-020-4	-
3/8	7/8	.188	3/8	3	-	810-204	-	810-204-1	-	810-204-4
3/8	1	.3543	1/2	3	810-034	-	810-034-1	-	810-034-4	-
3/8	1	.440	1/2	3	810-024	-	810-024	-	810-024	-
3/8	1-1/8	.188	3/8	3	-	810-210	-	810-210-1	-	810-210-4
3/8	1-1/8	.188	3/8	3	-	810-212*	-	810-212-1*	-	810-212-4*
3/8	1-1/8	.3543	1/2	3	810-026	-	810-026-1	-	810-026-4	-
3/8	1-1/8	.495	3/8	3	810-002	-	810-002-1	-	810-002-4	-
3/8	1-1/4	.3543	3/8	3	810-032	-	810-032-1	-	810-032-4	-
1/2	7/8	.200	1/2	3	-	810-206	-	810-206-1	-	810-206-4
1/2	1	.440	1/2	3	810-004	-	810-004-1	-	810-004-4	-
1/2	1-1/8	.495	1/2	3	810-006	-	810-006-1	-	810-006-4	-
1/2	1-1/4	.250	1/2	3	-	810-214	-	810-214-1	-	810-214-4
1/2	1-5/16	.577	1/2	3	810-022	-	810-022-1	-	810-022-4	-
1/2	1-3/8	.200	1/2	3-1/2	-	810-208	-	810-208-1	-	810-208-4
1/2	1-3/8	.605	1/2	3-1/2	810-008	-	810-008-1	-	810-008-4	-
1/2	1-5/8	.433	1/2	3-1/2	810-028	-	810-028-1	-	810-028-4	-
1/2	1-5/8	.715	1/2	4	810-010	-	810-010-1	-	810-010-4	-
1/2	1-5/8	.715	1/2	4	810-012*	-	810-012-1*	-	810-012-4*	-
5/8	2-1/4	.990	5/8	5	810-014	-	810-014-1	-	810-014-4	-
3/4	1-7/8	.825	3/4	4	810-016	-	810-016-1	-	810-016-4	-
3/4	2-1/2	1.10	3/4	5	810-018	-	810-018-1	-		

\* Left Hand Cut

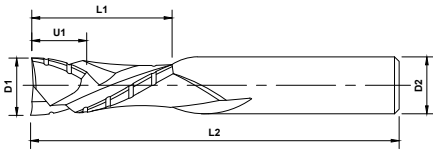
PowerNR Coating Available

# Routers



## 2 Flute Compression Chipbreaker Finisher

2 Flutes • Coated and Uncoated



- High Performance **A-Gr-SiV** submicron grain carbide
- Unique right and left fluting, controls finish on both sides of work-piece
- Effective for wide range of materials
- MAP certified quality

Fiberglass	Graphite	Composite	Metal Matrix	Carbon Fiber	Honeycomb
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Uncoated

OD	LOC	Upcut	SHK	OAL	Uncoated	PowerA	PowerZ
D1	L1	U1	D2	L2	Standard		
3/8	7/8	.385	3/8	3	810-302	810-302-1	810-302-4
3/8	1-1/8	.495	3/8	3	810-304	810-304-1	810-304-4
1/2	7/8	.385	1/2	3	810-318	810-318-1	810-318-4
1/2	1	.440	1/2	3	810-306	810-306-1	810-306-4
1/2	1-1/8	.495	1/2	3	810-308	810-308-1	810-308-4
1/2	1-3/8	.605	1/2	3-1/2	810-310	810-310-1	810-310-4
1/2	1-5/8	.715	1/2	4	810-312	810-312-1	810-312-4
5/8	2-1/4	.990	5/8	5	810-314	810-314-1	810-314-4
3/4	1-7/8	.825	3/4	4	810-316	810-316-1	810-316-4

PowerNR Coating Available

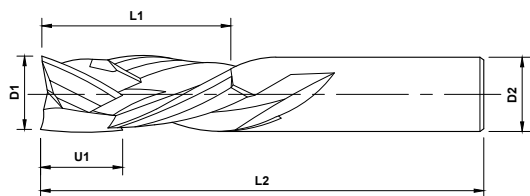
# Routers



- Fiberglass
- Graphite
- Composite
- Metal Matrix
- Carbon Fiber
- Honeycomb

## 3 Flute Compression

3 Flutes • Coated and Uncoated



- High Performance **A-Gr-SiV** submicron grain carbide
- Unique right and left fluting, controls finish on both sides of work-piece
- Effective for wide range of materials
- MAP certified quality

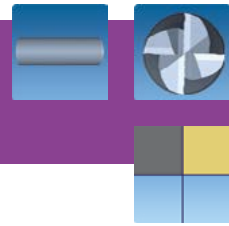


Uncoated

OD	LOC	Upcut	SHK	OAL	Uncoated		PowerA		PowerZ	
					D1	L1	U1	D2	L2	Standard
3/8	7/8	.200	3/8	3	-	818-202	-	818-202-1	-	818-202-4
3/8	1-1/8	.495	3/8	3	818-002	-	818-002-1	-	818-002-4	-
1/2	7/8	.200	1/2	3	-	818-204	-	818-204-1	-	818-204-4
1/2	1-1/8	.495	1/2	3	818-004	-	818-004-1	-	818-004-4	-
1/2	1-3/8	.200	1/2	3-1/2	-	818-206	-	818-206-1	-	818-206-4
1/2	1-5/8	.715	1/2	3-1/2	818-006	-	818-006-1	-	818-006-4	-
3/4	2	.200	3/4	4	-	818-208	-	818-208-1	-	818-208-4
3/4	2	.880	3/4	4	818-008	-	818-008-1	-	818-008-4	-

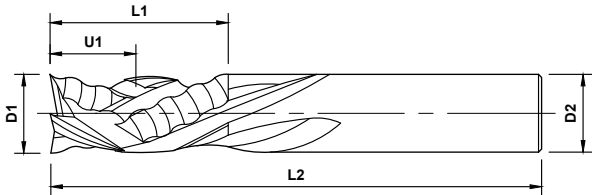
PowerNR Coating Available

# Routers



## 4 Flute Combination Compression

4 Flutes • Coated and Uncoated



- High Performance **A-Gr-SiV** submicron grain carbide
- Unique right and left fluting, controls finish on both sides of work-piece
- Effective for wide range of materials
- MAP certified quality



Uncoated

OD	LOC	Upcut	SHK	OAL	Uncoated	PowerA	PowerZ
D1	L1	U1	D2	L2	Standard		
1/2	1	.440	1/2	3	820-202	820-202-1	820-202-4
1/2	1-1/8	.495	1/2	3	820-204	820-204-1	820-204-4
1/2	1-3/8	.605	1/2	3-1/2	820-206	820-206-1	820-206-4
1/2	1-5/8	.715	1/2	4	820-208	820-208-1	820-208-4
5/8	2-1/4	.990	5/8	5	820-210	820-210-1	820-210-4
3/4	1-7/8	.825	3/4	4	820-212	820-212-1	820-212-4
3/4	2-1/2	1.100	3/4	5	820-214	820-214-1	820-214-4

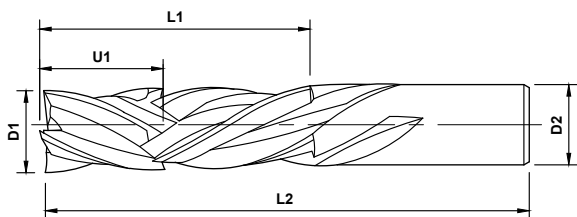
PowerNR Coating Available

# Routers

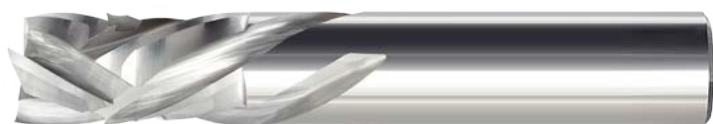


## 4 Flute Compression

Coated and Uncoated



- High Performance **A-Gr-SiV** submicron grain carbide
- Unique right and left fluting, controls finish on both sides of work-piece
- Effective for wide range of materials
- MAP certified quality

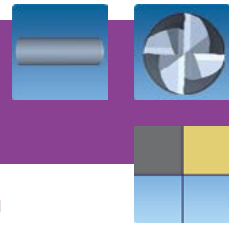


Uncoated

OD	LOC	Upcut	SHK	OAL	Uncoated		PowerA		PowerZ	
D1	L1	U1	D2	L2	Standard	Mortise	Standard	Mortise	Standard	Mortise
1/2	7/8	.200	1/2	3	-	821-102	-	821-102-1	-	821-402-4
1/2	1	.440	1/2	3	821-002	-	821-002-1	-	821-002-4	-
1/2	1-1/8	.495	1/2	3	821-004	-	821-004-1	-	821-004-4	-
1/2	1-3/8	.200	1/2	3-1/2	-	821-104	-	821-104-1	-	821-404-4
1/2	1-3/8	.605	1/2	3-1/2	821-006	-	821-006-1	-	821-006-4	-
1/2	1-5/8	.715	1/2	4	821-008	-	821-008-1	-	821-008-4	-
5/8	2-1/4	.990	5/8	5	821-010	-	821-010-1	-	821-010-4	-
3/4	1-7/8	.825	3/4	4	821-012	-	821-012-1	-	821-012-4	-
3/4	2-1/2	1.100	3/4	5	821-014	-	821-014-1	-	821-014-4	-

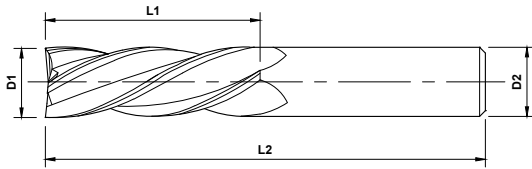
PowerNR Coating Available

# Fiberglass Applications



## 4 Flute Fiberglass Mill End Router

Coated and Uncoated



- High Performance **A-Gr-SiV** submicron grain carbide
- Unique slow-spiral design for superb edge quality
- MAP certified quality

Fiberglass

HP Routers



Uncoated

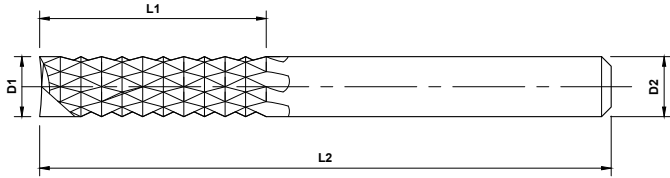
OD	LOC	SHK	OAL	Uncoated		PowerA		PowerZ	
D1	L1	D2	L2	Upcut	Downcut	Upcut	Downcut	Upcut	Downcut
3/8	5/8	3/8	3	819-202	819-302	819-202-1	819-302-1	819-202-4	819-302-4
3/8	1-1/8	3/8	3	819-204	819-304	819-204-1	819-304-1	819-204-4	819-304-4
1/2	5/8	1/2	3-1/2	819-206	819-306	819-206-1	819-306-1	819-206-4	819-306-4
1/2	1-1/8	1/2	3-1/2	819-208	819-308	819-208-1	819-308-1	819-208-4	819-308-4

PowerNR Coating Available





## Diamond Bur Fiberglass Finishers



- High Performance **A-Gr-SiV** submicron grain carbide
- Fast removal and superb finish in fiberglass
- MAP certified quality



Standard

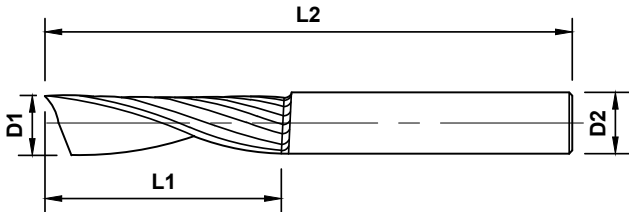
OD	LOC	SHK	OAL	Standard	Standard	Aramid
D1	L1	D2	L2	0 Flute	2 Flute	2/5 Flute
1/4	3/4	1/4	2-1/2	822-102	822-104	822-106
1/4	1	1/4	3	822-108	-	-
3/8	7/8	3/8	2-1/2	822-110	822-112	822-114
1/2	1	1/2	3	822-116	822-118	822-120

Note: Please see the bur section of our catalog for additional fiberglass router selections.



## O-Flute Extreme Routers

High Polish • Upcut and Downcut



- High Performance **A-Gr-SiV** submicron grain carbide
- Polished flute for superior edge quality
- MAP certified quality
- Great on acrylics

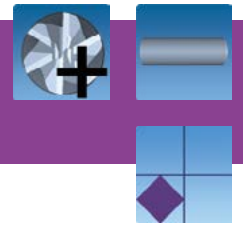
N  
Aluminum  
Plastics

HP Routers

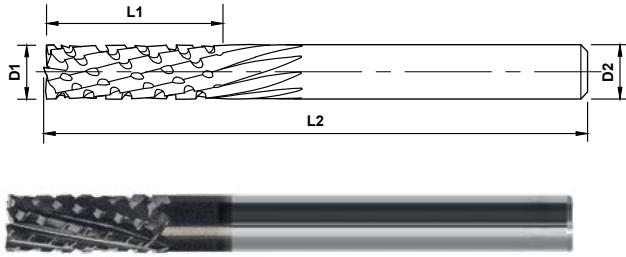


OD	LOC	SHK	OAL	Upcut	Downcut
D1	L1	D2	L2	1 Flute	1 Flute
1/16	1/4	1/8	2	823-002	823-102
1/8	1/4	1/8	2	823-004	823-104
1/8	1/4	1/4	2	823-006	823-106
1/8	1/2	1/8	2	823-008	823-108
1/8	1/2	1/4	2	823-010	823-110
5/32	9/16	1/4	2	823-012	823-112
3/16	3/8	3/16	2	823-014	823-114
3/16	5/8	3/16	2	823-016	823-116
3/16	3/8	1/4	2	823-018	823-118
3/16	1/2	1/4	2	823-020	823-120
3/16	5/8	1/4	2	823-022	823-122
7/32	3/4	1/4	2-1/2	823-024	823-124
1/4	5/8	1/4	2	823-026	823-126
1/4	3/4	1/4	2-1/2	823-028	823-128
1/4	1-1/4	1/4	3	823-030	823-130
3/8	1-1/8	3/8	3	823-032	823-132
1/2	1	1/2	3	823-034	823-134
1/2	2	1/2	4	823-036	823-136

# CVD Nano Crystalline Routers



6 -16 Flutes • Diamond Coated • Fine Pitched Nicked



- High Performance **A-Gr-SiV** submicron grain carbide
- Excellent performance on carbon graphite and carbon fiber panels
- MAP certified quality

Graphite  
Composite  
Carbon Fiber  
Honeycomb

OD D1	LOC L1	SHK D2	OAL L2	Flutes	PowerRD		
					Plain End	Bur End	Mill End
1/8	1/4	1/8	1-1/2	6	824-002	824-102	824-202
1/8	3/8	1/8	1-1/2	6	824-004	824-104	824-204
1/8	1/2	1/8	1-1/2	8	824-006	824-106	824-206
3/16	3/8	3/16	2	6	824-008	824-108	824-208
3/16	9/16	3/16	2	6	824-010	824-110	824-210
3/16	3/4	3/16	2	8	824-012	824-112	824-212
1/4	1/2	1/4	2-1/2	8	824-014	824-114	824-214
1/4	3/4	1/4	2-1/2	10	824-016	824-116	824-216
1/4	1	1/4	3	10	824-018	824-118	824-218
1/4	1-1/4	1/4	4	12	824-020	824-120	824-220
5/16	1	5/16	2-1/2	10	824-022	824-122	824-222
3/8	3/4	3/8	2-1/2	12	824-024	824-124	824-224
3/8	1-1/8	3/8	3	12	824-026	824-126	824-226
3/8	1-1/2	3/8	4	12	824-028	824-128	824-228
3/8	2	3/8	4	12	824-030	824-130	824-230
1/2	1	1/2	3	14	824-032	824-132	824-232
1/2	2	1/2	4	16	824-034	824-134	824-234

# CVD Nano Crystalline Routers



4 Flutes • Diamond Coated • Herringbone Composite Surface Finisher

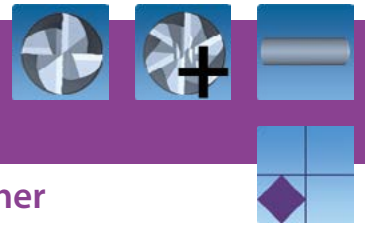


- High Performance **A-Gr-SiV** submicron grain carbide
- Excellent performance on carbon graphite and carbon fiber panels

Graphite  
Composite  
Carbon Fiber  
Honeycomb

OD D1	LOC L1	SHK D2	OAL L2	PowerRD
1/8	3/8	1/8	1-1/2	825-002
1/4	3/4	1/4	2-1/2	825-004
3/8	1-1/8	3/8	3	825-006
1/2	1-1/8	1/2	3	825-008

# CVD Nano Crystalline Routers



4-8 Flutes • Diamond Coated • Composite Rougher/Semi-Finisher

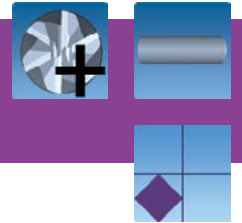


- High Performance **A-Gr-SiV** submicron grain carbide
- Excellent performance on carbon graphite and carbon fiber panels
- MAP certified quality

Graphite  
Composite  
Carbon Fiber  
Honeycomb

OD D1	LOC L1	SHK D2	OAL L2	Flutes	PowerRD
15/64	3/4	1/4	2-1/2	4	826-002
1/4	1/2	1/4	2-1/2	4	826-004
1/4	3/4	1/4	2-1/2	4	826-006
11/32	1-1/8	3/8	3	6	826-008
23/64	1-1/8	3/8	3	6	826-010
3/8	3/4	3/8	3	6	826-012
3/8	1-1/2	3/8	3	6	826-014
7/16	1-1/2	1/2	3	8	826-016
31/64	1-1/2	1/2	3	8	826-018
1/2	1	1/2	3	8	826-020
1/2	1-1/2	1/2	3	8	826-022

# CVD Nano Crystalline Routers



8-14 Flutes • Diamond Coated • Composite Finisher



- High Performance **A-Gr-SiV** submicron grain carbide
- Excellent performance on carbon graphite and carbon fiber panels
- MAP certified quality

Graphite  
Composite  
Carbon Fiber  
Honeycomb

OD D1	LOC L1	SHK D2	OAL L2	Flutes	PowerRD
1/4	3/4	1/4	2-1/2	8	827-002
1/4	1	1/4	3	8	827-004
3/8	1-1/8	3/8	3	12	827-006
3/8	1-1/2	3/8	3	12	827-008
1/2	1-1/2	1/2	4	14	827-010
1/2	2	1/2	4	14	827-012