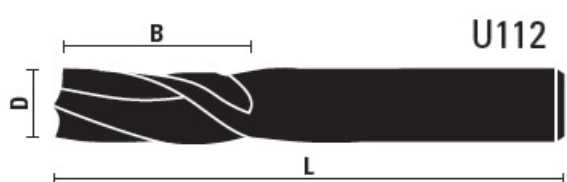
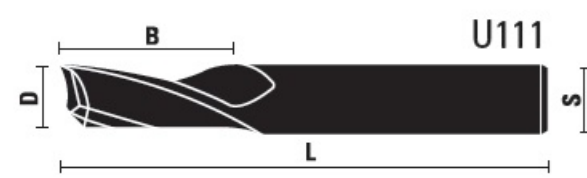


SOLID CARBIDE SPIRAL BITS

SOLID CARBIDE SPIRAL BITS UP CUT Z=1 - Z=2

ART. U111 - U112



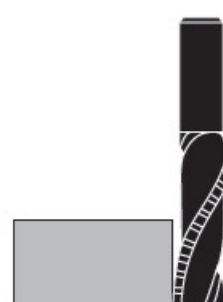
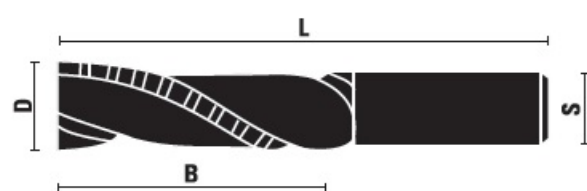
- Right-hand rotation with "UP CUT SPIRAL"
- Polished cutting edge for improved chip evacuation. Mirror finish
- Spiral 'O' flute sharpening
- Use on CNC and high speed machines
- For working: • aluminium • fiberglass • plastic • phenolic • acrylic • PVC

RH rotation	D	B	L	S	Z
U111.030.R	3	12	60	6	1
U111.032.R	1/8"	1/2"	2"	1/4"	1
U111.040.R	4	12	60	6	1
U111.048.R	3/16"	5/8"	2"	1/4"	1
U111.050.R	5	16	60	6	1
U111.060.R	6	16	60	6	1
U111.061.R	6	35	80	6	1
U111.064.R	1/4"	3/4"	2"	1/4"	1
U111.080.R	8	18	60	8	1
U111.081.R	8	35	80	8	1
U111.095.R	3/8"	3/4"	3"	3/8"	1
U111.100.R	10	22	70	10	1
U111.101.R NEW	10	25	90	10	1
U111.120.R	12	24	70	12	1
U111.127.R	1/2"	1-1/4"	3"	1/2"	1

U112.040.R	4	10	60	6	2
U112.048.R	3/16"	1/2"	2"	1/4"	2
U112.050.R	5	12	60	6	2
U112.060.R	6	15	60	6	2
U112.064.R	1/4"	3/4"	2"	1/4"	2
U112.080.R	8	20	60	8	2
U112.095.R	3/8"	1"	3"	3/8"	2
U112.100.R	10	22	70	10	2
U112.120.R	12	25	80	12	2
U112.127.R	1/2"	1-1/2"	3-1/2"	1/2"	2
U112.140.R	14	25	80	14	2
U112.160.R	16	25	80	16	2

SOLID CARBIDE SPIRAL BITS UP CUT Z=2

ART. U120



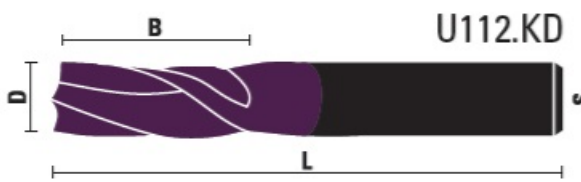
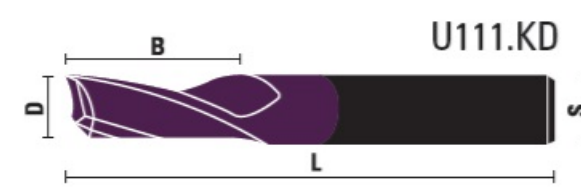
- Right-hand rotation with "UP CUT SPIRAL"
- With chip-breaker
- Discontinuous cutting edge
- For working wood and aluminium material
- Use on CNC and high speed machines

RH rotation	D	B	L	S
U120.140.R	14	42	100	14
U120.160.R	16	42	100	16
U120.180.R	18	62	120	18
U120.200.R	20	62	120	20

SOLID CARBIDE SPIRAL BITS UP CUT Z=1-Z=2

KleinDIA COATED

ART. U111.KD - U112.KD



UP TO
4/6X
TOOL LIFE

- Right-hand rotation with "UP CUT SPIRAL"
- Polished and coated cutting edge for improved chip evacuation. Mirror finish
- Spiral 'O' flute sharpening
- Use on CNC and high speed machines
- For working: • aluminium • fiberglass • plastic • phenolic • acrylic • PVC

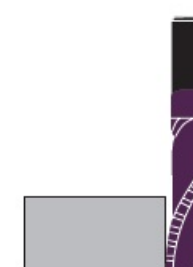
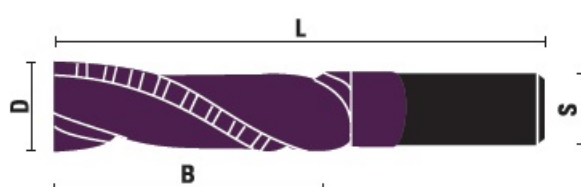
RH rotation	D	B	L	S	Z
U111.030.RKD	3	12	60	6	1
U111.032.RKD	1/8"	1/2"	2"	1/4"	1
U111.040.RKD	4	12	60	6	1
U111.048.RKD	3/16"	5/8"	2"	1/4"	1
U111.050.RKD	5	16	60	6	1
U111.060.RKD	6	16	60	6	1
U111.061.RKD	6	35	80	6	1
U111.064.RKD	1/4"	3/4"	2"	1/4"	1
U111.080.RKD	8	18	60	8	1
U111.081.RKD	8	35	80	8	1
U111.095.RKD	3/8"	3/4"	3"	3/8"	1
U111.100.RKD	10	22	70	10	1
U111.101.RKD NEW	10	25	90	10	1
U111.120.RKD	12	24	70	12	1
U111.127.RKD	1/2"	1-1/4"	3"	1/2"	1

U112.040.RKD	4	10	60	6	2
U112.048.RKD	3/16"	1/2"	2"	1/4"	2
U112.050.RKD	5	12	60	6	2
U112.060.RKD	6	15	60	6	2
U112.064.RKD	1/4"	3/4"	2"	1/4"	2
U112.080.RKD	8	20	60	8	2
U112.095.RKD	3/8"	1"	3"	3/8"	2
U112.100.RKD	10	22	70	10	2
U112.120.RKD	12	25	80	12	2
U112.127.RKD	1/2"	1-1/2"	3-1/2"	1/2"	2
U112.140.RKD	14	25	80	14	2
U112.160.RKD	16	25	80	16	2

SOLID CARBIDE SPIRAL BITS UP CUT Z=2

KleinDIA COATED

ART. U120.KD



UP TO
4/6X
TOOL LIFE

- Right-hand rotation with "UP CUT SPIRAL"
- Polished and coated cutting edge for improved chip evacuation and less friction for excellent performance
- Discontinuous cutting edge
- For working wood and aluminium material
- With chip-breaker
- Use on CNC and high speed machines

RH rotation	D	B	L	S
U120.140.RKD	14	42	100	14
U120.160.RKD	16	42	100	16
U120.180.RKD	18	62	120	18
U120.200.RKD	20	62	120	20

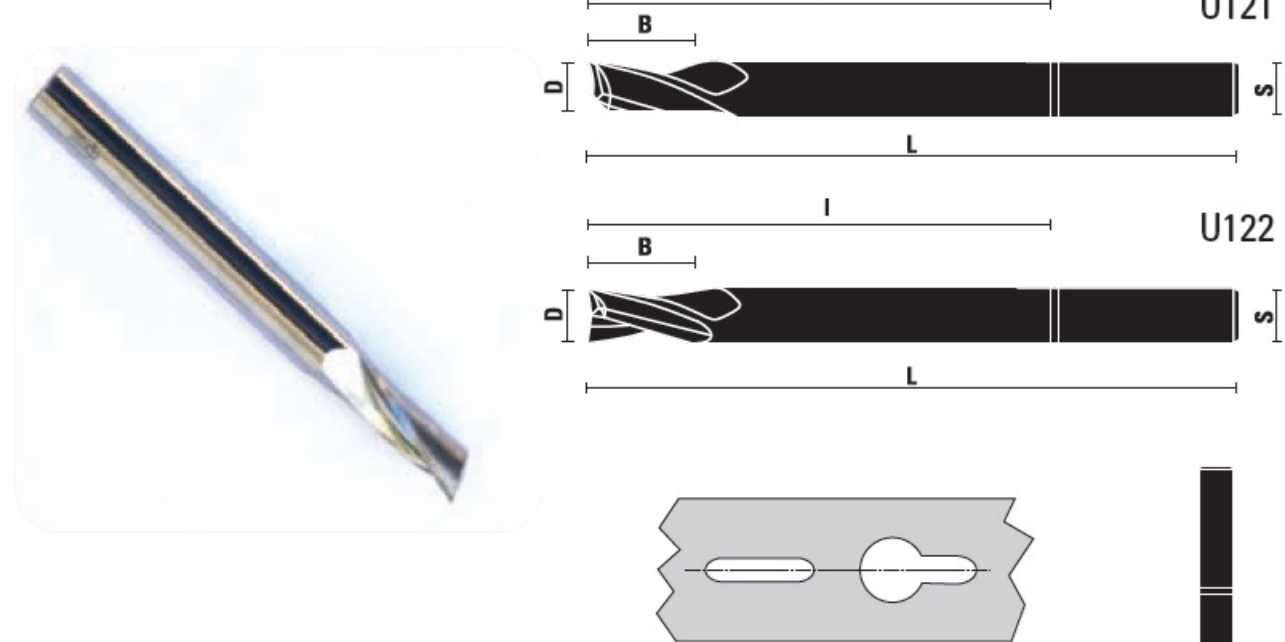
Router bits with diameter from 12 mm to 16 mm, are produced with shank fit for Seeger retaining rings



SOLID CARBIDE SPIRAL BITS

SOLID CARBIDE SPIRAL BITS CUT Z=1 - Z=2 LONG TYPE

ART. U121 - U122



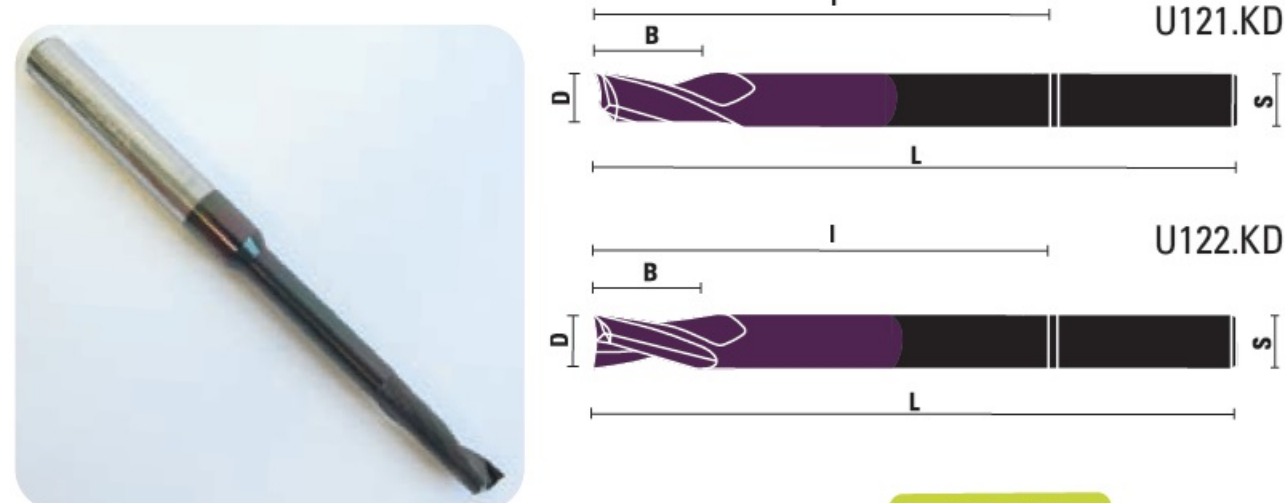
- Right-hand rotation with "UP CUT SPIRAL"
- Polished cutting edge for improved chip evacuation. Mirror finish
- Spiral 'O' flute sharpening
- Long version for **deep machining operations**
- Use on CNC and high speed machines
- Use with coolant/lubricant is recommended
- For working: aluminium, fiberglass, plastic, phenolic, acrylic, PVC

RH rotation	D	B/L	L	S	Z
U121.040.R	4	14/40	100	8	1
U121.050.R	5	18/50	100	8	1
U121.060.R	6	20/50	100	8	1
U121.080.R	8	20/70	100	8	1
U121.100.R	10	20/70	100	10	1
U121.120.R	12	35/70	100	12	1
U121.140.R NEW	14	35/70	100	14	1

U122.050.R	5	18/50	100	8	2
U122.080.R	8	20/70	100	8	2
U122.100.R	10	25/70	100	10	2

SOLID CARBIDE SPIRAL BITS CUT Z=1 - Z=2 LONG TYPE KleinDIA COATED

ART. U121.KD - U122.KD



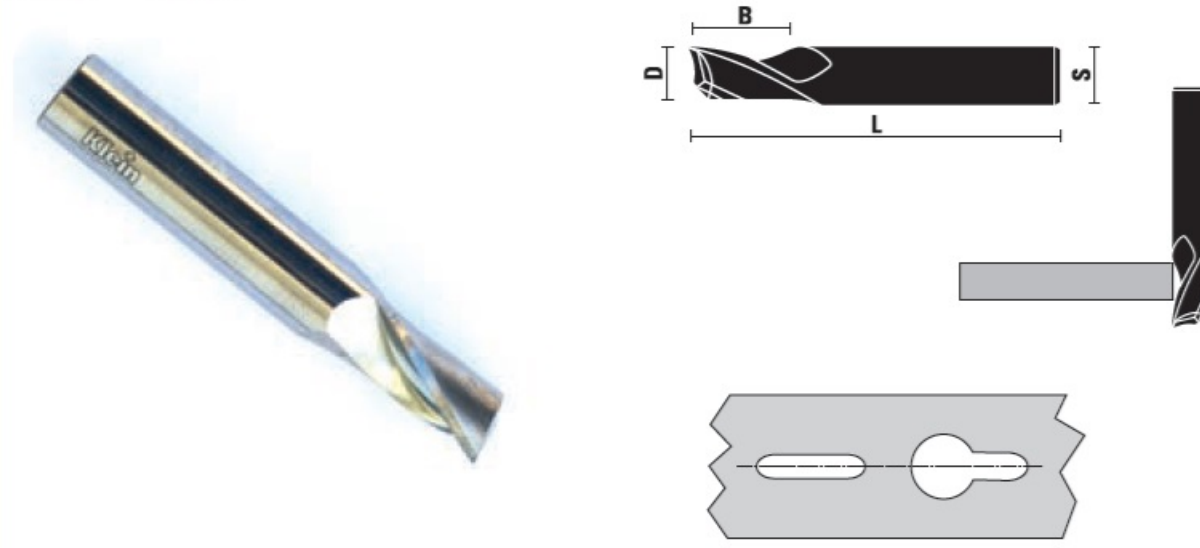
- Right-hand rotation with "UP CUT SPIRAL"
- **Longer tool life and greater cutting quality**
- Polished cutting edge for improved chip evacuation. Mirror finish
- Spiral 'O' flute sharpening
- Long version for **deep machining operations**
- Use on CNC and high speed machines
- Use with coolant/lubricant is recommended
- For working: aluminium, fiberglass, plastic, phenolic, acrylic, PVC

RH rotation	D	B/L	L	S	Z
U121.040.RKD	4	14/40	100	8	1
U121.050.RKD	5	18/50	100	8	1
U121.060.RKD	6	20/50	100	8	1
U121.080.RKD	8	20/70	100	8	1
U121.100.RKD	10	20/70	100	10	1
U121.120.RKD	12	35/70	100	12	1
U121.140.RKD NEW	14	35/70	100	14	1

U122.050.RKD	5	18/50	100	8	2
U122.080.RKD	8	20/70	100	8	2
U122.100.RKD	10	25/70	100	10	2

SOLID CARBIDE SPIRAL BITS UP CUT Z=1 SHORT TYPE

ART. U125



- Right-hand rotation with "UP CUT SPIRAL"
- Polished cutting edge for improved chip evacuation. Mirror finish
- Spiral 'O' flute sharpening
- Shorter cutting edge spiral version to **reduce vibration**, increase stability and have a better finish
- Use on CNC and high speed machines
- Use with coolant/lubricant is recommended
- For working: aluminium, fiberglass, plastic, phenolic, acrylic, PVC

RH rotation	D	B	L	S	Z
U125.040.R	4	8	50	6	1
U125.050.R	5	10	50	6	1
U125.060.R	6	12	50	6	1

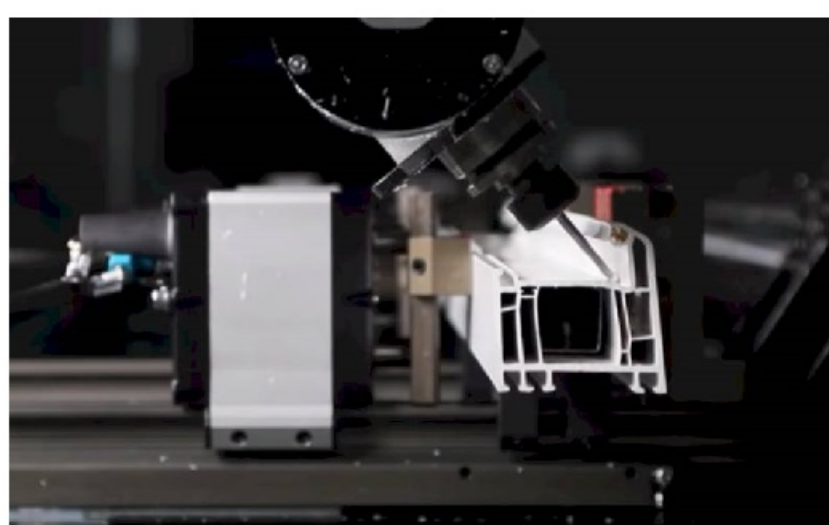
SOLID CARBIDE SPIRAL BITS UP CUT Z=1 SHORT TYPE KleinDIA COATED

ART. U125.KD



- Right-hand rotation with "UP CUT SPIRAL"
- **Longer tool life and greater cutting quality**
- Polished cutting edge for improved chip evacuation. Mirror finish
- Spiral 'O' flute sharpening
- Shorter cutting edge spiral version to **reduce vibration**, increase stability and have a better finish
- Use on CNC and high speed machines
- Use with coolant/lubricant is recommended
- For working: aluminium, fiberglass, plastic, phenolic, acrylic, PVC

RH rotation	D	B	L	S	Z
U125.040.RKD	4	8	50	6	1
U125.050.RKD	5	10	50	6	1
U125.060.RKD	6	12	50	6	1



ROUTER TOOLING FOR CNC MACHINING CENTRES