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**ONEFINITY**  
CNC Machine.

**ONEFINITY**  
One Machine Infinite Possibilities

Bits & Bits Company is a small family business located in Oregon, USA. We manufacture all of our CNC DownCut Bits, Sign Engraving Bits, Wood Carving Router Bits and Compression Bits. These bits are used to cut decorative grooves on signs and panels or to chamfer the edges of your parts. We also offer various V-Groove engraving bits for engraving or milling on wood.

*How does Bits & Bits' Astra Coating extend the life of your bits? Astra Coating is a multi-layered, carbon-based surface coating that lowers both the friction coefficient and material adhesion of the bit. Typically, such coatings measure up to .8 microns, but Astra Coating comes in at only .3 microns. Because of this, Astra Coated bits cut smoother and faster while staying sharp 2-3 times longer than an uncoated bit.*



425-DNC250



SRB4-250UP

**SPIRAL 2 FLUTE DOWNCUT ROUTER BITS**

| PART NUMBER       | DESCRIPTION                                                 |
|-------------------|-------------------------------------------------------------|
| <b>1/8" SHANK</b> |                                                             |
| 820-DNC032        | 1/32" Down Cut 2FL Spiral CNC Bit - 1/8" LOC                |
| 820-DNC062        | 1/16" Down Cut 2FL Spiral CNC Bit - 3/16" LOC               |
| 820-DNC062LR      | 1/16" Down Cut 2FL Spiral CNC Bit - w/ 3/16" LOC & 3/4" LOR |
| 820-DNC125        | 1/8" Down Cut 2FL Spiral CNC Bit - 1" LOC                   |
| <b>1/4" SHANK</b> |                                                             |
| 425-DNC062LR      | 1/16" Down Cut 2FL Spiral CNC Bit - w/ 1/4" LOC & 1/2" LOR  |
| 425-DNC062        | 1/16" Down Cut 2 FL Spiral CNC Bit - 3/16" LOC              |
| 425-DNC125        | 1/8" Down Cut 2 FL Spiral CNC Bit - 5/8" LOC                |
| 425-DNC125LR      | 1/8" Down Cut 2 FL Spiral CNC Bit - 1" LOC                  |
| 425-DNC187        | 3/16" Down Cut 2FL Spiral CNC Bit - 1" LOC                  |
| 425-DNC250        | 1/4" Down Cut 2 FL Spiral CNC Bit - 1" LOC                  |
| <b>3/8" SHANK</b> |                                                             |
| 330-DNC375        | 3/8" Down Cut 2FL Spiral CNC Bit - 1-1/4" LOC               |
| <b>1/2" SHANK</b> |                                                             |
| 530-DNC500        | 1/2" Down Cut 2FL Spiral CNC Bit - 1-1/2" LOC               |



425-CM250

**SPIRAL 2 FLUTE COMPRESSION BITS**

| PART NUMBER       | DESCRIPTION                                          |
|-------------------|------------------------------------------------------|
| <b>1/8" SHANK</b> |                                                      |
| 820-CM125         | 1/8" Compression Bit Up/Down Spiral 2FL - 5/8" LOC   |
| <b>1/4" SHANK</b> |                                                      |
| 425-CM125         | 1/8" Compression Bit Up/Down Spiral 2FL - 5/8" LOC   |
| 425-CM125LR       | 1/8" Compression Bit Up/Down Spiral 2FL - 1" LOC     |
| 425-CM250         | 1/4" Compression Bit Up/Down Spiral 2FL - 1" LOC     |
| <b>3/8" SHANK</b> |                                                      |
| 330-CM375         | 3/8" Compression Bit Up/Down Spiral 2FL - 1-1/4" LOC |
| <b>1/2" SHANK</b> |                                                      |
| 530-CM500         | 1/2" Compression Bit Up/Down Spiral 2FL - 1" LOC     |
| 540-CM500         | 1/2" Compression Bit Up/Down Spiral 2FL - 2" LOC     |

**SPIRAL 2 FLUTE UPCUT BITS**

| PART NUMBER                    | DESCRIPTION                                                     |
|--------------------------------|-----------------------------------------------------------------|
| <b>1/8" SHANK</b>              |                                                                 |
| DC062B                         | 1/16" Deep Cut Long Reach Ball End Mill w/ 1/2" LOC & 3/4" LOR  |
| DB062UP                        | 1/16" Up-Cut Ball Nose 2FL Spiral CNC Bit - 1/2" LOC            |
| DB125UP                        | 1/8" Up-Cut Ball Nose 2FL Spiral CNC Bit - 1" LOC               |
| DC062F                         | 1/16" Deep Cut Long Reach 2FL Flat - w/ 1/2" LOC & 3/4" LOR     |
| DF062UP                        | 1/16" Up-Cut Flat End 2FL Spiral CNC Bit - 1/2" LOC             |
| DF125UP                        | 1/8" Up-Cut Flat End 2FL Spiral CNC Bit - 1" LOC                |
| <b>1/4" SHANK</b>              |                                                                 |
| 425-ST125C                     | 1/8" Straight Bit 2FL UpCut CNC Bit - 3/4" LOC                  |
| 425-ST250C                     | 1/4" Straight Bit 2FL UpCut CNC Bit - 3/4" LOC                  |
| SRB4-062UP                     | 1/16" Up-Cut Ball Nose 2FL Spiral CNC Bit - 1/4" LOC            |
| SRB4-062LR                     | 1/16" Up-Cut Ball Nose 2FL Spiral CNC Bit - 1/4" LOC & 1/2" LOR |
| SRB4-125UP                     | 1/8" Up-Cut Ball Nose 2FL Spiral CNC Bit - 1" LOC               |
| SRB4-187UP                     | 3/16" Up-Cut Ball Nose 2FL Spiral CNC Bit - 3/4" LOC            |
| SRB4-250UP                     | 1/4" Up-Cut Ball Nose 2FL Spiral CNC Bit - 1" LOC               |
| SRF4-062UP                     | 1/16" Up-Cut Flat End 2FL Spiral CNC Bit - 1/4" LOC             |
| SRF4-062LR                     | 1/16" Up-Cut Square End 2FL Spiral CNC Bit - 1/4" LOC & 1/2 LOR |
| SRF4-125UP                     | 1/8" Up-Cut Flat End 2FL Spiral CNC Bit - 1" LOC                |
| SRF4-187UP                     | 3/16" Up-Cut Flat End 2FL Spiral CNC Bit - 3/4" LOC             |
| SRF4-250UP                     | 1/4" Up-Cut Flat End 2FL Spiral CNC Bit - 1" LOC                |
| <b>1/4" SHANK - LONG FLUTE</b> |                                                                 |
| XL14-420C                      | 1/4" x 4" SQ Long Flute Router Bit - 2" LOC                     |
| XLB14-420C                     | 1/4" x 4" Ball Long Flute Router Bit - 2" LOC                   |
| <b>3/8" SHANK</b>              |                                                                 |
| 330-SRF375                     | 3/8" UpCut Spiral Bit 2FL - 1-1/4" LOC                          |
| 330-UP375                      | 3/8" 'O' Flute UpCut Spiral Bit 2FL - 5/8" LOC                  |
| <b>1/2" SHANK</b>              |                                                                 |
| 540-SRF500                     | 1/2" UpCut Spiral Bit 2FL - 2" LOC                              |
| 535-SRF375                     | 3/8" UpCut Spiral Bit 2FL - 1-1/4" LOC                          |

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# ONEFINITY

One Machine Infinite Possibilities



425-CR30.005

## V-GROOVE & SIGN ENGRAVING V-BITS

| PART NUMBER  | DESCRIPTION                          |
|--------------|--------------------------------------|
| 425-CR30.005 | Engraving Router V-Bit 30 deg .005   |
| 425-CR30.030 | Engraving Router V-Bit 30 deg .030   |
| 425-CR45.005 | Engraving Router V-Bit 45 deg .005   |
| 425-CR45.020 | Engraving Router V-Bit 45 deg .020   |
| 425-CR60     | Engraving Router V-Bit 60 deg point  |
| 425-CR90     | Engraving Router V-Bit 90 deg point  |
| 425-CR120    | Engraving Router V-Bit 120 deg point |
| 425-VG30     | V-Groove 30 Deg 3 Flute              |
| 425-VG45     | V-Groove 45 Deg 3 Flute              |
| 425-VG60     | V-Groove 60 Deg 3 Flute              |
| 425-VG90     | V-Groove 90 Deg 3 Flute              |



4TEB7-032-3FL

## 2D/3D CARVING ROUTER BITS

| PART NUMBER       | DESCRIPTION                              |
|-------------------|------------------------------------------|
| <b>1/4" SHANK</b> |                                          |
| 4TEB2-125-3FL     | 1/8" Ball 1 Degree Taper - LOC 1-1/2"    |
| 4TEB7-125-3FL     | 1/8" Ball 3.5 Degree Taper - LOC 1-1/4"  |
| 4TEB7-062-3FL     | 1/16" Ball 3.5 Degree Taper - LOC 1-1/2" |
| 4TEB7-032-3FL     | 1/32" Ball 3.5 Degree Taper - LOC 1-1/2" |
| 4TEB10-125-2FL    | 1/8" Ball 5 Degree Taper - LOC 3/4"      |
| 4TEB10-062-2FL    | 1/16" Ball 5 Degree Taper - LOC 1"       |
| 4TEB10-032-2FL    | 1/32" Ball 5 Degree Taper - LOC 1-1/2"   |
| 4TEB12-125-3FL    | 1/8" Ball 6 Degree Taper - LOC 3/4"      |
| 4TEB12-062-3FL    | 1/16" Ball 6 Degree Taper - LOC 1"       |
| 4TEB12-032-3FL    | 1/32" Ball 6 Degree Taper - LOC 1"       |

## CNC 1/4" SHANK KITS

| PART NUMBER   | DESCRIPTION                                             |
|---------------|---------------------------------------------------------|
| 250-CNCBASIC  | 3 Piece CNC Basic Set for Wood                          |
| 250-CNCSTART  | 6 Piece CNC Starter Bit Set for Wood                    |
| 250-VCARVEKIT | 7 Piece CNC Router Bit Lettering Set for Wood & Plastic |
| 250-PREMKIT   | 9 Piece Premium CNC Router Bit Set for Wood & Plastic   |
| 250-ALUM      | 5 Piece CNC Router Bit Kit for Aluminum                 |

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425-UP250

## 'O' FLUTE SPIRAL BIT for PLASTIC, ACRYLICS

| PART NUMBER | DESCRIPTION                                  |
|-------------|----------------------------------------------|
| 425-UP062   | 1/16" 'O' Flute Up-Cut Spiral Bit - LOC 1/4" |
| 425-UP125   | 1/8" 'O' Flute Up-Cut Spiral Bit - LOC 5/8"  |
| 425-UP250   | 1/4" 'O' Flute Up-Cut Spiral Bit - LOC 1"    |



SRF43-250AM

## 3 FLUTE BITS for ALUMINUM & SOFT METALS

| PART NUMBER     | DESCRIPTION                                     |
|-----------------|-------------------------------------------------|
| SRF43-250GP     | 1/4" General Purpose 3 Flute Bit - LOC 3/4"     |
| SRF43-250AM-3/8 | 1/4" Aluminum Series 3 Flute - LOC 3/8"         |
| SRF43-250AM     | 1/4" Aluminum Series 3 Flute - LOC 1"           |
| SRB43-250AM     | 1/4" Aluminum Series 3 Flute Ball Nose - LOC 1" |
| SRF43-250CB     | 1/4" 3 Flute Chip Breaker - LOC 1-1/8"          |

## CNC BITS from WHITESIDE

| PART NUMBER | DESCRIPTION                                                 |
|-------------|-------------------------------------------------------------|
| 6210        | Whiteside Surfacing & Flattening CNC Bit 1/4" Shank         |
| 1370        | Whiteside Bowl & Tray Bit 7/16" Dia x 1/8" Rad x 1/4" Shank |
| 1372        | Whiteside Bowl & Tray Bit 3/4" Dia x 1/4" Rad x 1/4" Shank  |
| 1550        | Whiteside 60 Degree V-Groove -1/2" Dia. x 1/4" Shank        |



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