

( 1 )

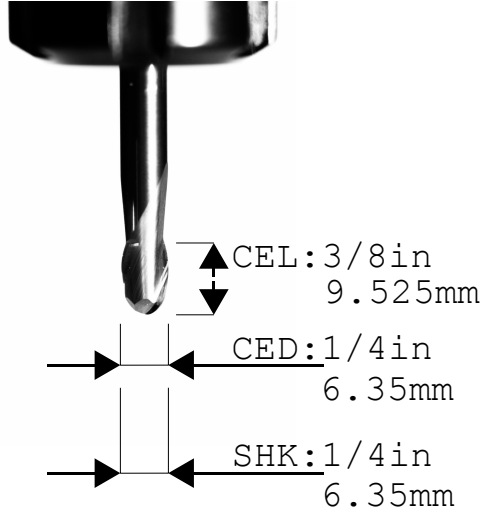
## **1/16" Tapered Ball Nose**

1/16" Solid Carbide Upcut Spiral Taper Ball End Bit. Designed by Onsrud for ShopBot Tools, for carving and modeling operations. Onsrud part: PCL583659

CED: 1/16in, 1.5875mm  
CEL: 3/4in, 19.05mm  
SHK: 1/4in, 6.35mm  
OAL: 3in, 76.2mm

<https://store.shopbottools.com/products/sixteenth-inch-tapered-ball-nose?variant=411084741>





(2)

## 1/4" Ball Nose Two Flute Upcut

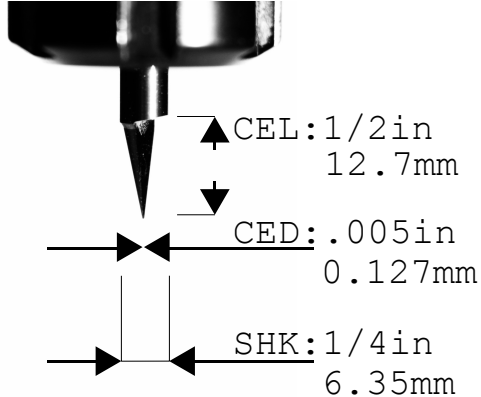
Solid Carbide Double Flute Upcut Ball Nose  
Spirals 46374

Used for carving, decorative doors and sign manufacturing. These Up-Cut and Down-Cut Ball Nose Spiral Router Bits leave an excellent finish and expels chips quickly.

Produces a superior finish and longer tool life  
Two razor-sharp cutting edges/polished flutes'  
Industrial quality  
Excellent for cutting aluminum and non-ferrous materials

CED: 1/4 in, 6.365mm  
CEL: 3/8 in, 9.525mm  
SHK: 1/4 in, 6.35mm  
OAL: 2.5 in, 63.5mm





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## V-Bit 30 / Engraving 1/4"

.005" Tip Solid Carbide One Flute Straight  
Engraving Bit w / 30 Degree Angle.  
Onsrud 37-21

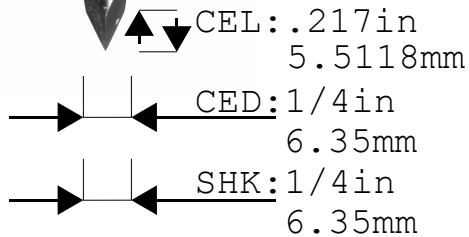
CED: .005in, 0.127mm  
CEL: 1/2in, 12.7mm  
SHK: 1/4in, 6.35mm  
OAL: 2in, 50.8mm



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**V-Bit 60° 1/4"**

Centurion VC14603



CED: 1/4in, 6.36mm

CEL: .217in, 5.5118mm

SHK: 1/4in, 6.35mm

OAL: 3in, 76.2mm

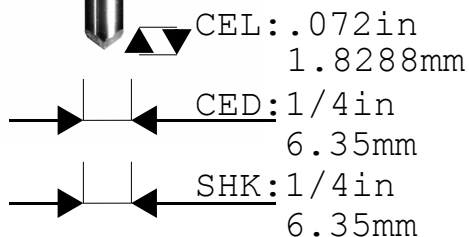




( 5 )

## V-Bit 120° 1/4"

Centurion VC141203



CED: 1/4in, 6.36mm

CEL: .072in, 1.8288mm

SHK: 1/4in, 6.35mm

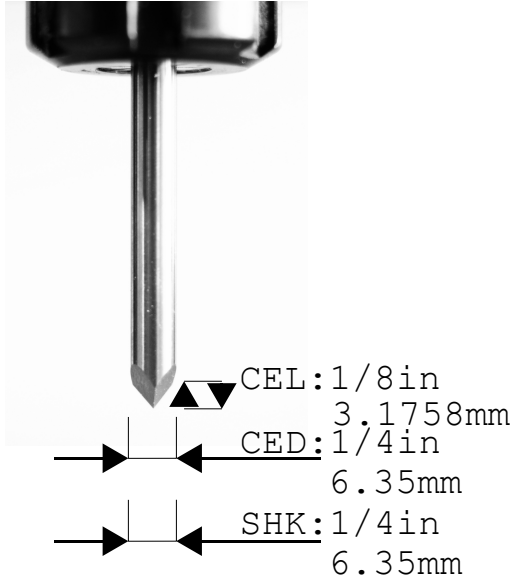
OAL: 3in, 76.2mm



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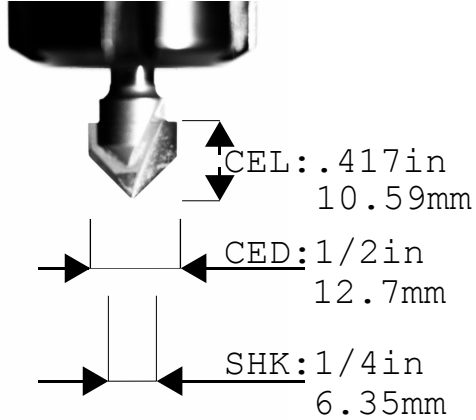
**V-Bit 90° 1/4"**

Centurion VC14903



CED: 1/4in, 6.36mm  
CEL: 1/8in, 3.175mm  
SHK: 1/4in, 6.35mm  
OAL: 3in, 76.2mm





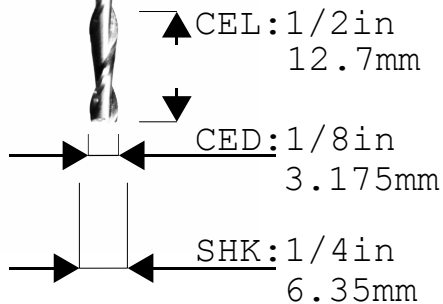
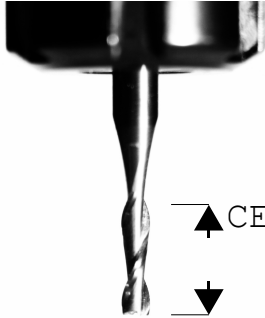
( 7 )

## **V-Bit 90° 1/2"**

1/2" Carbide Tipped Two Flute Up-shear V  
Flute For V-Grooving or Beveling 90° for  
Plastics, Solid Surface, Composites,  
Laminated and Veneered Materials.  
Onsrud 37-61.

CED: 1/2      12.7mm  
CEL: .417in, 10.59mm  
SHK: 1/4in, 6.35mm  
OAL: 1.793in, 45.54mm





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## 1/8" Upshear, 1/4" Shank

2 Flute, Plunge End 1/8"

Centurion Tools

Item SKU: 18US2.52RES14

CED: 1/8 in, 3.175mm

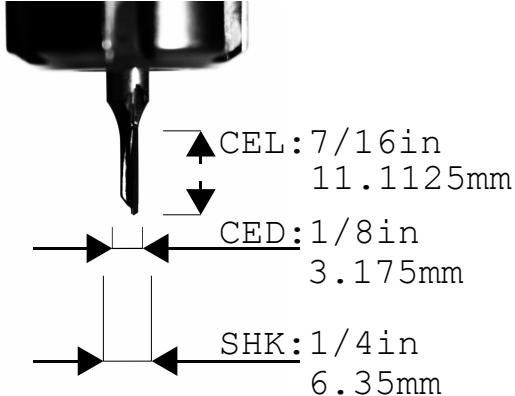
CEL: 1/2 in, 12.7mm

SHK: 1/4 in, 6.35mm

OAL: 2 in, 50.8mm







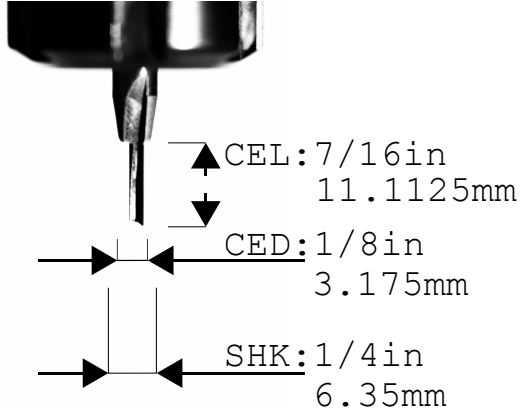
( 9 )

## 1/8" One Flute Straight Plunge

Timberline 100-01

CED: 1/8in, 3.175mm  
CEL: 7/16in, 11.1125mm  
SHK: 1/4in, 6.35mm  
OAL: 2in, 50.8mm





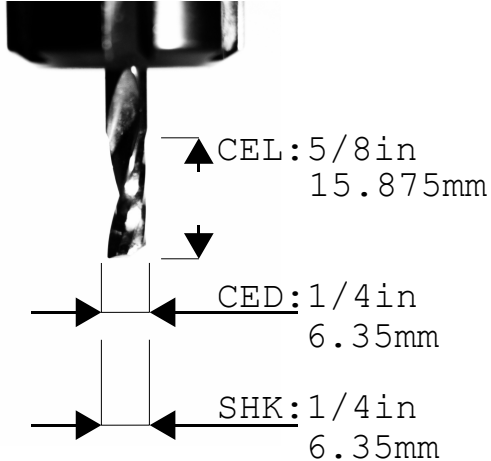
(10)

## 1/8" One Flute Straight Plunge

Amana Tool 45100

CED: 1/8in, 3.175mm  
CEL: 7/16in, 11.1125mm  
SHK: 1/4in, 6.35mm  
OAL: 2in, 50.8mm





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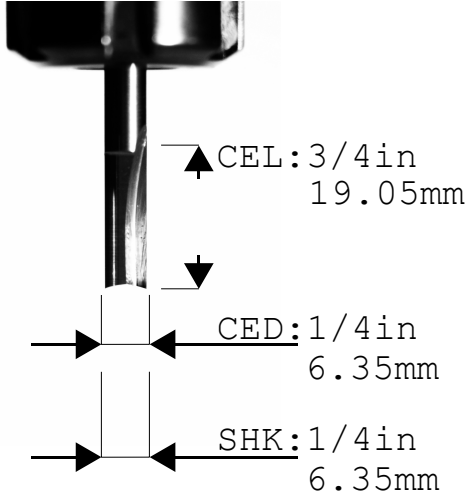
## 1/4" One Flute Upcut Super O

1/4" Solid Carbide One Flute Upcut Super O  
Flute for Plastic, Wood, Aluminum, Solid  
Surface.

The polished flute allows for razor sharp  
cutting edge and easy chip evacuation. The  
tool is available in a down cut spiral for  
improved part holding. HELIX ANGLE = 21°.  
Onsrud 65-023.

CED: 1/4 in, 6.35 mm  
CEL: 5/8 in, 15.875 mm  
SHK: 1/4 in, 6.35 mm  
OAL: 2 in, 50.8 mm





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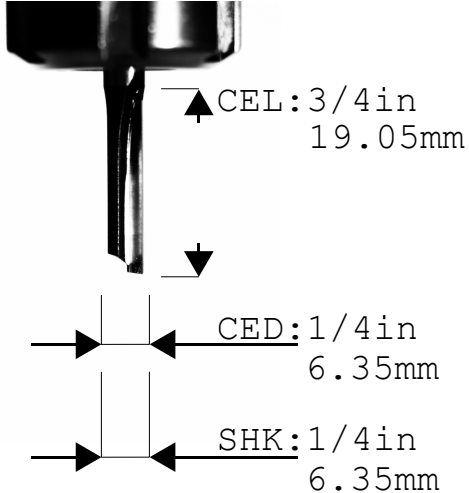
## 1/4" Straight Plunge Two Flute

For high volume, high speed cutting in dense natural woods and abrasive wood composites, use solid carbide bits. Solid carbide dissipates heat more uniformly, extending tool life. Single flute bits cut faster, with better chip clearance. Two-flute bits cut more slowly, but leave a smooth finish.

Amana Tool 43820

CED: 1/4in, 6.35mm  
CEL: 3/4in, 19.05mm  
SHK: 1/4in, 6.35mm  
OAL: 2.5in, 63.5mm





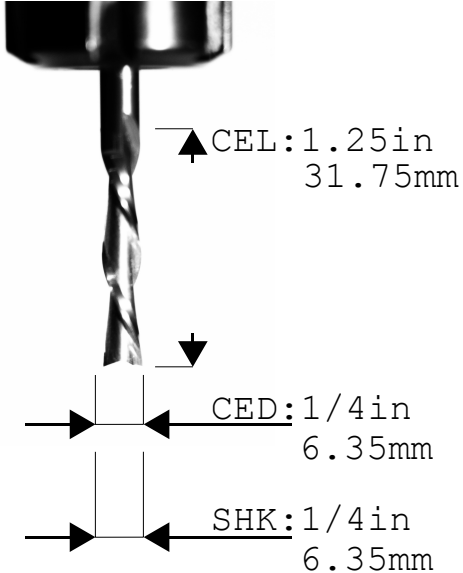
(13)

## 1/4" One Flute Straight Plunge

Timberline 100-02

CED: 1/4 in, 6.35mm  
CEL: 1 in, 25.4mm  
SHK: 1/4 in, 6.35mm  
OAL: 2.375 in, 60.325mm





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## 1/4" Two Flute Downshear

Centurion Kit

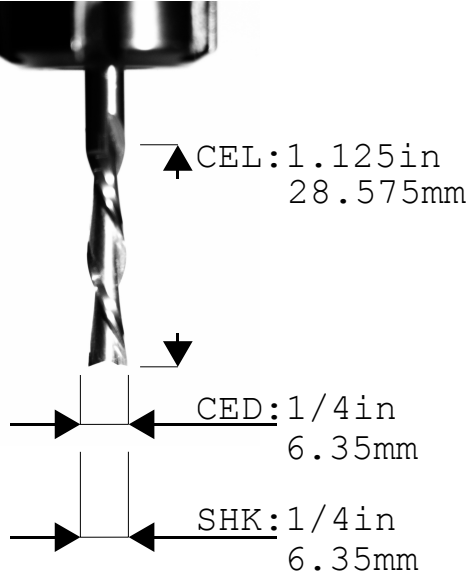
CED: 1/4in, 6.35mm  
CEL: 1.25in, 31.75mm  
SHK: 1/4in, 6.35mm  
OAL: 3in, 76.2mm



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## 1/4" Two Flute Downshear

Centurion Kit



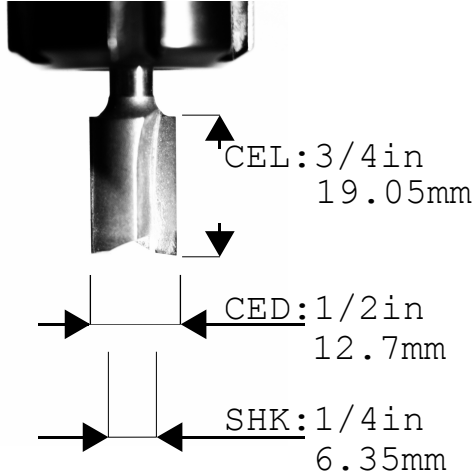
CED: 1/4in, 6.35mm

CEL: 1.125in, 28.575mm

SHK: 1/4in, 6.35mm

OAL: 3in, 76.2mm





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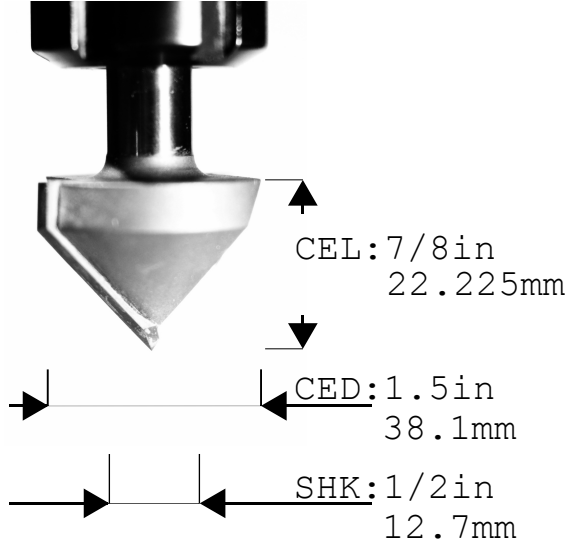
## 1/2" Straight Two Flute

Onsrud (48-014)

CED: 1/2in, 12.7mm  
CEL: 3/4in, 19.05mm  
SHK: 1/4in, 6.35mm  
OAL: 2.12in, 53.848mm







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**(101) V-Bit 90 1-1/2" 1/2" shank**

1 1/2" Carbide Tipped Two Flute Straight 90° V  
Flute for V-Grooving or Beveling Edges for  
Wood.

Designed for V grooving or beveling edges of  
parts. The tools are designed cut a wide  
variety of wood products and produce a clean  
edge.

Onsrud 37-87

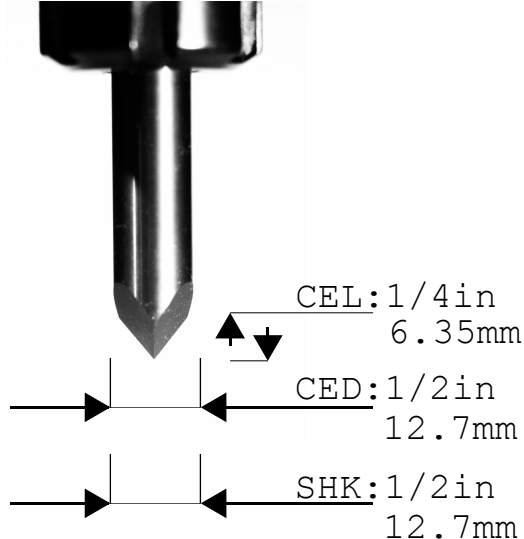
CED: 1.5in, 38.1mm  
CEL: 7/8in, 22.225mm  
SHK: 1/2in, 12.7mm  
OAL: 3in, 76.2mm



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**(102) V-Bit 90 1/2" 1/2" shank**

Centurion Tools VC12903



CED: 1/2in, 12.7mm

CEL: 1/4in, 6.35mm

SHK: 1/2in, 12.7mm

OAL: 3in, 76.2mm

