CORE CUTTER

SOLID CARBIDE CUTTING TOOLS

Core Cutter, LLC · 362 Maine Avenue · Farmingdale, ME 04344

T: (207) 588-7519 · F: (207) 588-7614 · www.corecutterusa.com

CORE CUTTER

SOLID CARBIDE CUTTING TOOLS

# PERFORMANCE YOU CAN TRUST, QUALITY YOU CAN MEASURE

# About Us

Core Cutter, LLC is a family owned and operated high performance carbide cutting tool manufacturer located in Farmingdale, Maine. We manufacture a variety of standard, modified and custom-made solid carbide tooling with fast turnaround from print to ship. We are honored to have the opportunity to present you with the fundamentals of our company:

Our Promise: We are committed to outstanding customer service and superior product quality. We promise to continually meet or exceed your expectations in all aspects of the cutting tool industry.

Our Team: The Core Cutter Family consists of exceptionally skilled engineers, machine operators, quality inspectors, technical support and customer service professionals. We are dedicated to providing you with 100% customer satisfaction from start to finish.

Our Focus: In order to continually meet our customers' needs, we remain focused on continual improvement in all aspects of carbide tool manufacturing. We are fueled by a passion for innovation, motivating us to design better tools, better processes and creative solutions to our customers' machining needs.

We look forward to being of service to you and your team.

James R. Graham, President/Owner

CORE CUTTER
SOLID CARBIDE CUTTING TOOLS

# Our Capabilities

Core Cutter is proud to offer a wide variety of carbide cutting tool services including, but not limited to: Design, Manufacture, Inspection, Edge Preparation, Tool Coatings and more. We are confident our tooling will exceed your expectations and improve productivity by reducing cycle time and increasing tool life. We design all of our products to perform at the highest level of machining in all applications. We specialize in quick deliveries on all standard, reconditioned and custom-made tooling.

## Machinery:

### CNC 5-Axis Tool & Cutter Grinders:

Walter Vision w/ Loader

Walter Power w/ Loader

Schneeberger Gemini

### Edge Preparation:

BelAir Drag Finishing Machine

**Laser Marking:**

Cobalt Dominator

**Manual / NC Grinders:**

Super Tec Cylindrical

Myford Cylindrical

#2 Cincinnati Grinders

Harig Surface Grinder

**Inspection Equipment:**

Walter Helicheck Pro

Flexbar Video Inspection

Jones & Lamson PC-14
Optical Comparator

## Coatings:

We use Oerlikon Balzers® for all tool coatings. With pickup and drop off services every Tuesday and Thursday, the turn-around for coated tools is convenient and fast. Our primary coating offerings are BALNIT ALCRONA PRO™ (Alcrona Pro), BALLNIT LATUMA™ (AlTiN) for ferrous materials, and BALNIT HARD CARBON™ for non-ferrous materials. The BALLNIT HARD CARBON™ coating is run daily in Michigan.

# Custom-Made Tooling

At Core Cutter, we understand that timing is everything. In this fast-paced industry, we pull ahead of the competition with our **quick turnaround** of custom-made tooling. From end mills, drills and form tools, to dovetails, countersinks and reamers, we specialize in top quality, high performance carbide tooling of all shapes and sizes.

**Need assistance with a specific application?** Our engineers are experienced in recommending, designing and building a variety of custom tailored tools to meet your machining needs. We are qualified to help you step by step through the troubleshooting, designing and manufacturing processes.

**Need it fast?** We are committed to providing the fastest possible deliveries, leading the industry in on-time order fulfillment. Custom-made tooling is quoted same day, whenever possible, eliminating unnecessary or lengthy manufacturing delays.

**Guaranteed top quality.** We are driven by our passion for excellence in all areas of tool manufacturing. We strictly use high quality carbide material, superior industry coatings and proven finishing processes, ensuring you always receive an exceptional, high performance product.

# Tool Reconditioning & Modifications

We understand the importance of tool **value and cost savings**. One of the best ways to reduce machining costs is to recondition your used carbide tooling. However, it is essential to ensure that all of your reconditioned tooling maintains the same high quality performance and repeatability that you need. At Core Cutter, we provide factory reconditioning that will hold up to your most stringent demands.

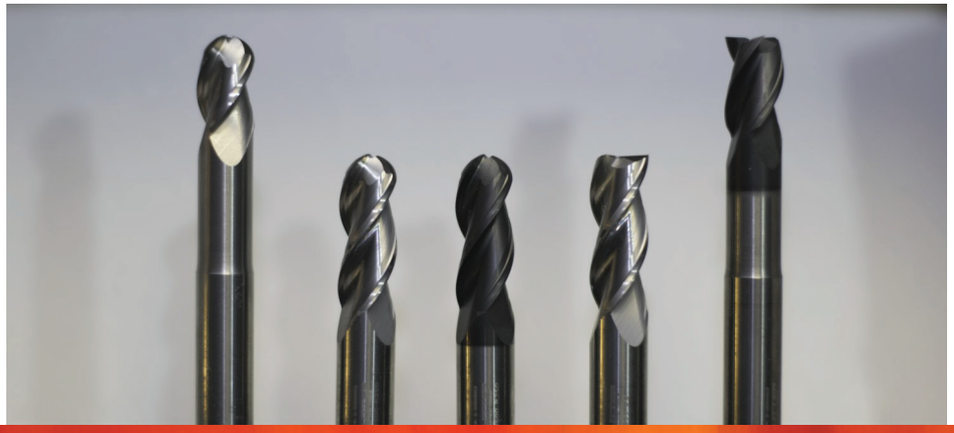
### Looking for quality reconditioning?

Tool performance is our number one priority. We condition your tooling to the original manufacturer specifications and extend tool life with our edge prep process and superior industry coatings.

### Need a modified tool?

Whether you are adding a corner radius, Weldon flat, or a custom alteration, let Core Cutter assist you in providing precision modified tooling that will stand up in the toughest applications.

**Need it fast?** We know that in order for you to be successful, you need to receive your reconditioned tooling as quickly as possible. We have created an easy-to-use standard tool reconditioning order form, in order to expedite the requisition process. In addition, we have dedicated on-site machinery, reserved for reconditioned and modified tooling as a priority. We are committed to providing the fastest deliveries possible to ensure that you always have what you need.



# Non-Ferrous

# AL3 Series

MADE IN THE USA

# SERIES: AL3

## 3 Flute, Aluminum & Non-Ferrous, Roughing & Finishing

| TOOL DIA | CUT DIA | SHANK DIA | LENGTH OF CUT (LOC) | OVERALL LENGTH (OAL) | # OF FLUTES | CORNER CONDITION | LENGTH BELOW SHANK (LBS) | DESCRIPTION | Uncoated EDP# | Hard Carbon Coating EDP# |
|---|---|---|---|---|---|---|---|---|---|---|
| 1/4" | 1/4 | 1/4 | 3/8 | 2 1/2 | 3 | SQ | | AL3-S-0250-SQ | **301000** | **301001** |
| | 1/4 | 1/4 | 3/8 | 2 1/2 | 3 | 0.015 | | AL3-S-0250-R015 | **301010** | **301011** |
| | 1/4 | 1/4 | 3/8 | 2 1/2 | 3 | 0.030 | | AL3-S-0250-R030 | **301020** | **301021** |
| | 1/4 | 1/4 | 3/8 | 2 1/2 | 3 | 0.060 | | AL3-S-0250-R060 | **301030** | **301031** |
| | 1/4 | 1/4 | 3/8 | 2 1/2 | 3 | BALL | | AL3-S-0250-R125 (BALL) | **301040** | **301041** |
| | 1/4 | 1/4 | 3/4 | 2 1/2 | 3 | SQ | | AL3-R-0250-SQ | **301200** | **301201** |
| | 1/4 | 1/4 | 3/4 | 2 1/2 | 3 | 0.015 | | AL3-R-0250-R015 | **301210** | **301211** |
| | 1/4 | 1/4 | 3/4 | 2 1/2 | 3 | 0.030 | | AL3-R-0250-R030 | **301220** | **301221** |
| | 1/4 | 1/4 | 3/4 | 2 1/2 | 3 | 0.060 | | AL3-R-0250-R060 | **301230** | **301231** |
| | 1/4 | 1/4 | 3/4 | 2 1/2 | 3 | BALL | | AL3-R-0250-R125 (BALL) | **301240** | **301241** |
| | 1/4 | 1/4 | 3/8 | 4 | 3 | SQ | 1 1/4 | AL3-RN-R-0250-SQ | **301700** | **301701** |
| | 1/4 | 1/4 | 3/8 | 4 | 3 | 0.015 | 1 1/4 | AL3-RN-R-0250-R015 | **301710** | **301711** |
| | 1/4 | 1/4 | 3/8 | 4 | 3 | 0.030 | 1 1/4 | AL3-RN-R-0250-R030 | **301720** | **301721** |
| | 1/4 | 1/4 | 3/8 | 4 | 3 | 0.060 | 1 1/4 | AL3-RN-R-0250-R060 | **301730** | **301731** |
| | 1/4 | 1/4 | 3/8 | 4 | 3 | BALL | 1 1/4 | AL3-RN-R-0250-R125 (BALL) | **301740** | **301741** |
| 3/8" | 3/8 | 3/8 | 3/4 | 3 | 3 | SQ | | AL3-SR-0375-SQ | **303100** | **303101** |
| | 3/8 | 3/8 | 3/4 | 3 | 3 | 0.015 | | AL3-SR-0375-R015 | **303110** | **303111** |
| | 3/8 | 3/8 | 3/4 | 3 | 3 | 0.030 | | AL3-SR-0375-R030 | **303120** | **303121** |
| | 3/8 | 3/8 | 3/4 | 3 | 3 | 0.060 | | AL3-SR-0375-R060 | **303130** | **303131** |
| | 3/8 | 3/8 | 3/4 | 3 | 3 | BALL | | AL3-SR-0375-R188 (BALL) | **303140** | **303141** |
| | 3/8 | 3/8 | 1 1/2 | 4 | 3 | SQ | | AL3-L-0375-R015 | **303400** | **303401** |
| | 3/8 | 3/8 | 1 1/2 | 4 | 3 | 0.015 | | AL3-L-0375-R015 | **303410** | **303411** |
| | 3/8 | 3/8 | 1 1/2 | 4 | 3 | 0.030 | | AL3-L-0375-R030 | **303420** | **303421** |
| | 3/8 | 3/8 | 1 1/2 | 4 | 3 | 0.060 | | AL3-L-0375-R060 | **303430** | **303431** |
| | 3/8 | 3/8 | 1 1/2 | 4 | 3 | BALL | | AL3-L-0375-R188 (BALL) | **303440** | **303441** |
| | 3/8 | 3/8 | 5/8 | 4 | 3 | SQ | 2 | AL3-RN-R-0375-SQ | **303700** | **303701** |
| | 3/8 | 3/8 | 5/8 | 4 | 3 | 0.015 | 2 | AL3-RN-R-0375-R015 | **303710** | **303711** |
| | 3/8 | 3/8 | 5/8 | 4 | 3 | 0.030 | 2 | AL3-RN-R-0375-R030 | **303720** | **303721** |
| | 3/8 | 3/8 | 5/8 | 4 | 3 | 0.060 | 2 | AL3-RN-R-0375-R060 | **303730** | **303731** |
| | 3/8 | 3/8 | 5/8 | 4 | 3 | BALL | 2 | AL3-RN-R-0375-R188 (BALL) | **303740** | **303741** |
| 1/2" | 1/2 | 1/2 | 1 | 3 | 3 | SQ | | AL3-SR-0500-SQ | **305100** | **305101** |
| | 1/2 | 1/2 | 1 | 3 | 3 | 0.015 | | AL3-SR-0500-R015 | **305110** | **305111** |
| | 1/2 | 1/2 | 1 | 3 | 3 | 0.030 | | AL3-SR-0500-R030 | **305120** | **305121** |
| | 1/2 | 1/2 | 1 | 3 | 3 | 0.060 | | AL3-SR-0500-R060 | **305130** | **305131** |
| | 1/2 | 1/2 | 1 | 3 | 3 | 0.125 | | AL3-SR-0500-R125 | **305140** | **305141** |
| | 1/2 | 1/2 | 1 | 3 | 3 | BALL | | AL3-SR-0500-R250 (BALL) | **305150** | **305151** |
| | 1/2 | 1/2 | 1 1/4 | 3 | 3 | SQ | | AL3-R-0500-SQ | **305200** | **305201** |
| | 1/2 | 1/2 | 1 1/4 | 3 | 3 | 0.015 | | AL3-R-0500-R015 | **305210** | **305211** |
| | 1/2 | 1/2 | 1 1/4 | 3 | 3 | 0.030 | | AL3-R-0500-R030 | **305220** | **305221** |
| | 1/2 | 1/2 | 1 1/4 | 3 | 3 | 0.060 | | AL3-R-0500-R060 | **305230** | **305231** |
| | 1/2 | 1/2 | 1 1/4 | 3 | 3 | 0.125 | | AL3-R-0500-R125 | **305240** | **305241** |
| | 1/2 | 1/2 | 1 1/4 | 3 | 3 | BALL | | AL3-R-0500-R250 (BALL) | **305250** | **305251** |
| | 1/2 | 1/2 | 2 | 4 | 3 | SQ | | AL3-L-0500-SQ | **305400** | **305401** |
| | 1/2 | 1/2 | 2 | 4 | 3 | 0.015 | | AL3-L-0500-R015 | **305410** | **305411** |
| | 1/2 | 1/2 | 2 | 4 | 3 | 0.030 | | AL3-L-0500-R030 | **305420** | **305421** |
| | 1/2 | 1/2 | 2 | 4 | 3 | 0.060 | | AL3-L-0500-R060 | **305430** | **305431** |
| | 1/2 | 1/2 | 2 | 4 | 3 | 0.125 | | AL3-L-0500-R125 | **305440** | **305441** |
| | 1/2 | 1/2 | 2 | 4 | 3 | BALL | | AL3-L-0500-R250 (BALL) | **305450** | **305451** |
| | 1/2 | 1/2 | 3/4 | 4 | 3 | SQ | 2 | AL3-RN-R-0500-SQ | **305700** | **305701** |
| | 1/2 | 1/2 | 3/4 | 4 | 3 | 0.015 | 2 | AL3-RN-R-0500-R015 | **305710** | **305711** |
| | 1/2 | 1/2 | 3/4 | 4 | 3 | 0.030 | 2 | AL3-RN-R-0500-R030 | **305720** | **305721** |
| | 1/2 | 1/2 | 3/4 | 4 | 3 | 0.060 | 2 | AL3-RN-R-0500-R060 | **305730** | **305731** |
| | 1/2 | 1/2 | 3/4 | 4 | 3 | 0.125 | 2 | AL3-RN-R-0500-R125 | **305740** | **305741** |
| | 1/2 | 1/2 | 3/4 | 4 | 3 | BALL | 2 | AL3-RN-R-0500-R250 (BALL) | **305750** | **305751** |

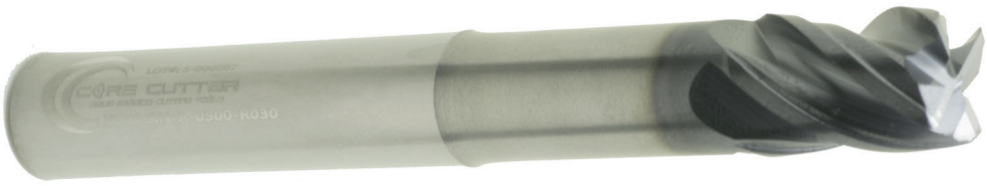
# SERIES: AL3

## 3 Flute, Aluminum & Non-Ferrous, Roughing & Finishing

| TOOL DIA | CUT DIA | SHANK DIA | LENGTH OF CUT (LOC) | OVERALL LENGTH (OAL) | # OF FLUTES | CORNER CONDITION | LENGTH BELOW SHANK (LBS) | DESCRIPTION | Uncoated EDP# | Hard Carbon Coating EDP# |
|---|---|---|---|---|---|---|---|---|---|---|
| 1/2" | 1/2 | 1/2 | 3/4 | 6 | 3 | SQ | 3 1/2 | AL3-RN-L-0500-SQ | **305900** | **305901** |
| | 1/2 | 1/2 | 3/4 | 6 | 3 | 0.015 | 3 1/2 | AL3-RN-L-0500-R015 | **305910** | **305911** |
| | 1/2 | 1/2 | 3/4 | 6 | 3 | 0.030 | 3 1/2 | AL3-RN-L-0500-R030 | **305920** | **305921** |
| | 1/2 | 1/2 | 3/4 | 6 | 3 | 0.060 | 3 1/2 | AL3-RN-L-0500-R060 | **305930** | **305931** |
| | 1/2 | 1/2 | 3/4 | 6 | 3 | 0.125 | 3 1/2 | AL3-RN-L-0500-R125 | **305940** | **305941** |
| | 1/2 | 1/2 | 3/4 | 6 | 3 | BALL | 3 1/2 | AL3-RN-L-0500-R250 (BALL) | **305950** | **305951** |
| 5/8" | 5/8 | 5/8 | 1 1/4 | 3 1/2 | 3 | SQ | | AL3-SR-0625-SQ | **306100** | **306101** |
| | 5/8 | 5/8 | 1 1/4 | 3 1/2 | 3 | 0.030 | | AL3-SR-0625-R030 | **306110** | **306111** |
| | 5/8 | 5/8 | 1 1/4 | 3 1/2 | 3 | 0.060 | | AL3-SR-0625-R060 | **306120** | **306121** |
| | 5/8 | 5/8 | 1 1/4 | 3 1/2 | 3 | 0.125 | | AL3-SR-0625-R125 | **306130** | **306131** |
| | 5/8 | 5/8 | 1 1/4 | 3 1/2 | 3 | BALL | | AL3-SR-0625-R313 (BALL) | **306140** | **306141** |
| | 5/8 | 5/8 | 2 1/2 | 5 | 3 | SQ | | AL3-L-0625-SQ | **306400** | **306401** |
| | 5/8 | 5/8 | 2 1/2 | 5 | 3 | 0.030 | | AL3-L-0625-R015 | **306410** | **306411** |
| | 5/8 | 5/8 | 2 1/2 | 5 | 3 | 0.060 | | AL3-L-0625-R030 | **306420** | **306421** |
| | 5/8 | 5/8 | 2 1/2 | 5 | 3 | 0.125 | | AL3-L-0625-R125 | **306430** | **306431** |
| | 5/8 | 5/8 | 2 1/2 | 5 | 3 | BALL | | AL3-L-0625-R313 (BALL) | **306440** | **306441** |
| | 5/8 | 5/8 | 1 | 5 | 3 | SQ | 2 1/2 | AL3-RN-M-0625-SQ | **306800** | **306801** |
| | 5/8 | 5/8 | 1 | 5 | 3 | 0.030 | 2 1/2 | AL3-RN-M-0625-R015 | **306810** | **306811** |
| | 5/8 | 5/8 | 1 | 5 | 3 | 0.060 | 2 1/2 | AL3-RN-M-0625-R030 | **306820** | **306821** |
| | 5/8 | 5/8 | 1 | 5 | 3 | 0.125 | 2 1/2 | AL3-RN-M-0625-R125 | **306830** | **306831** |
| | 5/8 | 5/8 | 1 | 5 | 3 | BALL | 2 1/2 | AL3-RN-M-0625-R313 (BALL) | **306840** | **306841** |
| 3/4" | 3/4 | 3/4 | 1 1/2 | 4 | 3 | SQ | | AL3-SR-0750-SQ | **307100** | **307101** |
| | 3/4 | 3/4 | 1 1/2 | 4 | 3 | 0.030 | | AL3-SR-0750-R030 | **307110** | **307111** |
| | 3/4 | 3/4 | 1 1/2 | 4 | 3 | 0.060 | | AL3-SR-0750-R060 | **307120** | **307121** |
| | 3/4 | 3/4 | 1 1/2 | 4 | 3 | 0.125 | | AL3-SR-0750-R125 | **307130** | **307131** |
| | 3/4 | 3/4 | 1 1/2 | 4 | 3 | BALL | | AL3-SR-0750-R375 (BALL) | **307140** | **307141** |
| | 3/4 | 3/4 | 3 | 6 | 3 | SQ | | AL3-L-0750-SQ | **307400** | **307401** |
| | 3/4 | 3/4 | 3 | 6 | 3 | 0.030 | | AL3-L-0750-R030 | **307410** | **307411** |
| | 3/4 | 3/4 | 3 | 6 | 3 | 0.060 | | AL3-L-0750-R060 | **307420** | **307421** |
| | 3/4 | 3/4 | 3 | 6 | 3 | 0.125 | | AL3-L-0750-R125 | **307430** | **307431** |
| | 3/4 | 3/4 | 3 | 6 | 3 | BALL | | AL3-L-0750-R375 (BALL) | **307440** | **307441** |
| | 3/4 | 3/4 | 1 1/8 | 6 | 3 | SQ | 3 | AL3-RN-M-0750-SQ | **307800** | **307801** |
| | 3/4 | 3/4 | 1 1/8 | 6 | 3 | 0.030 | 3 | AL3-RN-M-0750-R030 | **307810** | **307811** |
| | 3/4 | 3/4 | 1 1/8 | 6 | 3 | 0.060 | 3 | AL3-RN-M-0750-R060 | **307820** | **307821** |
| | 3/4 | 3/4 | 1 1/8 | 6 | 3 | 0.125 | 3 | AL3-RN-M-0750-R125 | **307830** | **307831** |
| | 3/4 | 3/4 | 1 1/8 | 6 | 3 | BALL | 3 | AL3-RN-M-0750-R375 (BALL) | **307840** | **307841** |
| 1" | 1 | 1 | 1 3/4 | 4 | 3 | SQ | | AL3-SR-1000-SQ | **308100** | **308101** |
| | 1 | 1 | 1 3/4 | 4 | 3 | 0.030 | | AL3-SR-1000-R030 | **308110** | **308111** |
| | 1 | 1 | 1 3/4 | 4 | 3 | 0.060 | | AL3-SR-1000-R060 | **308120** | **308121** |
| | 1 | 1 | 1 3/4 | 4 | 3 | 0.125 | | AL3-SR-1000-R125 | **308130** | **308131** |
| | 1 | 1 | 1 3/4 | 4 | 3 | BALL | | AL3-SR-1000-R500 (BALL) | **308140** | **308141** |
| | 1 | 1 | 3 | 6 | 3 | SQ | | AL3-M-1000-SQ | **308300** | **308301** |
| | 1 | 1 | 3 | 6 | 3 | 0.030 | | AL3-M-1000-R030 | **308310** | **308311** |
| | 1 | 1 | 3 | 6 | 3 | 0.060 | | AL3-M-1000-R060 | **308320** | **308321** |
| | 1 | 1 | 3 | 6 | 3 | 0.125 | | AL3-M-1000-R125 | **308330** | **308331** |
| | 1 | 1 | 3 | 6 | 3 | BALL | | AL3-M-1000-R500 (BALL) | **308440** | **308441** |
| | 1 | 1 | 1 1/2 | 6 | 3 | SQ | 3 1/2 | AL3-RN-M-1000-SQ | **308800** | **308801** |
| | 1 | 1 | 1 1/2 | 6 | 3 | 0.030 | 3 1/2 | AL3-RN-M-1000-R030 | **308810** | **308811** |
| | 1 | 1 | 1 1/2 | 6 | 3 | 0.060 | 3 1/2 | AL3-RN-M-1000-R060 | **308820** | **308821** |
| | 1 | 1 | 1 1/2 | 6 | 3 | 0.125 | 3 1/2 | AL3-RN-M-1000-R125 | **308830** | **308831** |
| | 1 | 1 | 1 1/2 | 6 | 3 | BALL | 3 1/2 | AL3-RN-M-1000-R500 (BALL) | **308840** | **308841** |

# Ferrous

# VST4 Series




MADE IN THE USA

# SERIES: VST4

## 4 Flute, Steel/Stainless Steel/Hi-Temp Alloys/Cast Iron, Roughing & Finishing

| TOOL DIA | CUT DIA | SHANK DIA | LENGTH OF CUT (LOC) | OVERALL LENGTH (OAL) | # OF FLUTES | CORNER CONDITION | LENGTH BELOW SHANK (LBS) | DESCRIPTION | Coating | EDP# |
|---|---|---|---|---|---|---|---|---|---|---|
| 1/4" | 1/4 | 1/4 | 3/8 | 2 1/2 | 4 | SQ | | VST4-S-0250-SQ | Latuma | **401001** |
| | 1/4 | 1/4 | 3/8 | 2 1/2 | 4 | 0.015 | | VST4-S-0250-R015 | Latuma | **401011** |
| | 1/4 | 1/4 | 3/8 | 2 1/2 | 4 | 0.030 | | VST4-S-0250-R030 | Latuma | **401021** |
| | 1/4 | 1/4 | 3/8 | 2 1/2 | 4 | 0.060 | | VST4-S-0250-R060 | Latuma | **401031** |
| | 1/4 | 1/4 | 3/8 | 2 1/2 | 4 | BALL | | VST4-S-0250-R125 (BALL) | Latuma | **401041** |
| | 1/4 | 1/4 | 3/4 | 2 1/2 | 4 | SQ | | VST4-R-0250-SQ | Latuma | **401201** |
| | 1/4 | 1/4 | 3/4 | 2 1/2 | 4 | 0.015 | | VST4-R-0250-R015 | Latuma | **401211** |
| | 1/4 | 1/4 | 3/4 | 2 1/2 | 4 | 0.030 | | VST4-R-0250-R030 | Latuma | **401221** |
| | 1/4 | 1/4 | 3/4 | 2 1/2 | 4 | 0.060 | | VST4-R-0250-R060 | Latuma | **401231** |
| | 1/4 | 1/4 | 3/4 | 2 1/2 | 4 | BALL | | VST4-R-0250-R125 (BALL) | Latuma | **401241** |
| | 1/4 | 1/4 | 3/8 | 4 | 4 | SQ | 1 1/4 | VST4-RN-R-0250-SQ | Latuma | **401701** |
| | 1/4 | 1/4 | 3/8 | 4 | 4 | 0.015 | 1 1/4 | VST4-RN-R-0250-R015 | Latuma | **401711** |
| | 1/4 | 1/4 | 3/8 | 4 | 4 | 0.030 | 1 1/4 | VST4-RN-R-0250-R030 | Latuma | **401721** |
| | 1/4 | 1/4 | 3/8 | 4 | 4 | 0.060 | 1 1/4 | VST4-RN-R-0250-R060 | Latuma | **401731** |
| | 1/4 | 1/4 | 3/8 | 4 | 4 | BALL | 1 1/4 | VST4-RN-R-0250-R125 (BALL) | Latuma | **401741** |
| 3/8" | 3/8 | 3/8 | 3/4 | 3 | 4 | SQ | | VST4-R-0375-SQ | Latuma | **403201** |
| | 3/8 | 3/8 | 3/4 | 3 | 4 | 0.015 | | VST4-R-0375-R015 | Latuma | **403211** |
| | 3/8 | 3/8 | 3/4 | 3 | 4 | 0.030 | | VST4-R-0375-R030 | Latuma | **403221** |
| | 3/8 | 3/8 | 3/4 | 3 | 4 | 0.060 | | VST4-R-0375-R060 | Latuma | **403231** |
| | 3/8 | 3/8 | 3/4 | 3 | 4 | BALL | | VST4-R-0375-R188 (BALL) | Latuma | **403241** |
| | 3/8 | 3/8 | 1 1/2 | 4 | 4 | SQ | | VST4-L-0375-SQ | Latuma | **403401** |
| | 3/8 | 3/8 | 1 1/2 | 4 | 4 | 0.015 | | VST4-L-0375-R015 | Latuma | **403411** |
| | 3/8 | 3/8 | 1 1/2 | 4 | 4 | 0.030 | | VST4-L-0375-R030 | Latuma | **403421** |
| | 3/8 | 3/8 | 1 1/2 | 4 | 4 | 0.060 | | VST4-L-0375-R060 | Latuma | **403431** |
| | 3/8 | 3/8 | 1 1/2 | 4 | 4 | BALL | | VST4-L-0375-R188 (BALL) | Latuma | **403441** |
| | 3/8 | 3/8 | 5/8 | 4 | 4 | SQ | 2 | VST4-RN-R-0375-SQ | Latuma | **403701** |
| | 3/8 | 3/8 | 5/8 | 4 | 4 | 0.015 | 2 | VST4-RN-R-0375-R015 | Latuma | **403711** |
| | 3/8 | 3/8 | 5/8 | 4 | 4 | 0.030 | 2 | VST4-RN-R-0375-R030 | Latuma | **403721** |
| | 3/8 | 3/8 | 5/8 | 4 | 4 | 0.060 | 2 | VST4-RN-R-0375-R060 | Latuma | **403731** |
| | 3/8 | 3/8 | 5/8 | 4 | 4 | BALL | 2 | VST4-RN-R-0375-R188 (BALL) | Latuma | **403741** |
| 1/2" | 1/2 | 1/2 | 1 | 3 | 4 | SQ | | VST4-SR-0500-SQ | Latuma | **405101** |
| | 1/2 | 1/2 | 1 | 3 | 4 | 0.015 | | VST4-SR-0500-R015 | Latuma | **405111** |
| | 1/2 | 1/2 | 1 | 3 | 4 | 0.030 | | VST4-SR-0500-R030 | Latuma | **405121** |
| | 1/2 | 1/2 | 1 | 3 | 4 | 0.060 | | VST4-SR-0500-R060 | Latuma | **405131** |
| | 1/2 | 1/2 | 1 | 3 | 4 | 0.125 | | VST4-SR-0500-R125 | Latuma | **405141** |
| | 1/2 | 1/2 | 1 | 3 | 4 | BALL | | VST4-SR-0500-R250 (BALL) | Latuma | **405151** |
| | 1/2 | 1/2 | 1 1/4 | 3 | 4 | SQ | | VST4-R-0500-SQ | Latuma | **405201** |
| | 1/2 | 1/2 | 1 1/4 | 3 | 4 | 0.015 | | VST4-R-0500-R015 | Latuma | **405211** |
| | 1/2 | 1/2 | 1 1/4 | 3 | 4 | 0.030 | | VST4-R-0500-R030 | Latuma | **405221** |
| | 1/2 | 1/2 | 1 1/4 | 3 | 4 | 0.060 | | VST4-R-0500-R060 | Latuma | **405231** |
| | 1/2 | 1/2 | 1 1/4 | 3 | 4 | 0.125 | | VST4-R-0500-R125 | Latuma | **405241** |
| | 1/2 | 1/2 | 1 1/4 | 3 | 4 | BALL | | VST4-R-0500-R250 (BALL) | Latuma | **405251** |
| | 1/2 | 1/2 | 2 | 4 | 4 | SQ | | VST4-L-0500-SQ | Latuma | **405401** |
| | 1/2 | 1/2 | 2 | 4 | 4 | 0.015 | | VST4-L-0500-R015 | Latuma | **405411** |
| | 1/2 | 1/2 | 2 | 4 | 4 | 0.030 | | VST4-L-0500-R030 | Latuma | **405421** |
| | 1/2 | 1/2 | 2 | 4 | 4 | 0.060 | | VST4-L-0500-R060 | Latuma | **405431** |
| | 1/2 | 1/2 | 2 | 4 | 4 | 0.125 | | VST4-L-0500-R125 | Latuma | **405441** |
| | 1/2 | 1/2 | 2 | 4 | 4 | BALL | | VST4-L-0500-R250 (BALL) | Latuma | **405451** |
| | 1/2 | 1/2 | 3/4 | 4 | 4 | SQ | 2 | VST4-RN-R-0500-SQ | Latuma | **405701** |
| | 1/2 | 1/2 | 3/4 | 4 | 4 | 0.015 | 2 | VST4-RN-R-0500-R015 | Latuma | **405711** |
| | 1/2 | 1/2 | 3/4 | 4 | 4 | 0.030 | 2 | VST4-RN-R-0500-R030 | Latuma | **405721** |
| | 1/2 | 1/2 | 3/4 | 4 | 4 | 0.060 | 2 | VST4-RN-R-0500-R060 | Latuma | **405731** |
| | 1/2 | 1/2 | 3/4 | 4 | 4 | 0.125 | 2 | VST4-RN-R-0500-R125 | Latuma | **405741** |
| | 1/2 | 1/2 | 3/4 | 4 | 4 | BALL | 2 | VST4-RN-R-0500-R250 (BALL) | Latuma | **405751** |

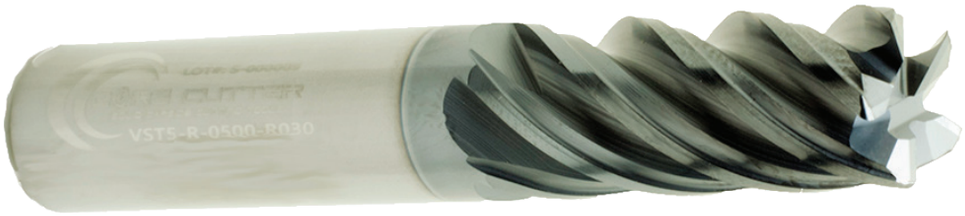
## SERIES: VST4

### 4 Flute, Steel/Stainless Steel/Hi-Temp Alloys/Cast Iron, Roughing & Finishing

| TOOL DIA | CUT DIA | SHANK DIA | LENGTH OF CUT (LOC) | OVERALL LENGTH (OAL) | # OF FLUTES | CORNER CONDITION | LENGTH BELOW SHANK (LBS) | DESCRIPTION | Coating | EDP# |
|---|---|---|---|---|---|---|---|---|---|---|
| 1/2" | 1/2 | 1/2 | 3/4 | 6 | 4 | SQ | 3 1/2 | VST4-RN-L-0500-SQ | Latuma | **405901** |
| | 1/2 | 1/2 | 3/4 | 6 | 4 | 0.015 | 3 1/2 | VST4-RN-L-0500-R015 | Latuma | **405911** |
| | 1/2 | 1/2 | 3/4 | 6 | 4 | 0.030 | 3 1/2 | VST4-RN-L-0500-R030 | Latuma | **405921** |
| | 1/2 | 1/2 | 3/4 | 6 | 4 | 0.060 | 3 1/2 | VST4-RN-L-0500-R060 | Latuma | **405931** |
| | 1/2 | 1/2 | 3/4 | 6 | 4 | 0.125 | 3 1/2 | VST4-RN-L-0500-R125 | Latuma | **405941** |
| | 1/2 | 1/2 | 3/4 | 6 | 4 | BALL | 3 1/2 | VST4-RN-L-0500-R250 (BALL) | Latuma | **405951** |
| 5/8" | 5/8 | 5/8 | 1 1/4 | 3 1/2 | 4 | SQ | | VST4-SR-0625-SQ | Latuma | **406101** |
| | 5/8 | 5/8 | 1 1/4 | 3 1/2 | 4 | 0.030 | | VST4-SR-0625-R030 | Latuma | **406111** |
| | 5/8 | 5/8 | 1 1/4 | 3 1/2 | 4 | 0.060 | | VST4-SR-0625-R060 | Latuma | **406121** |
| | 5/8 | 5/8 | 1 1/4 | 3 1/2 | 4 | 0.125 | | VST4-SR-0625-R125 | Latuma | **406131** |
| | 5/8 | 5/8 | 1 1/4 | 3 1/2 | 4 | BALL | | VST4-SR-0625-R313 (BALL) | Latuma | **406141** |
| | 5/8 | 5/8 | 2 1/2 | 5 | 4 | SQ | | VST4-L-0625-SQ | Latuma | **406401** |
| | 5/8 | 5/8 | 2 1/2 | 5 | 4 | 0.030 | | VST4-L-0625-R015 | Latuma | **406411** |
| | 5/8 | 5/8 | 2 1/2 | 5 | 4 | 0.060 | | VST4-L-0625-R030 | Latuma | **406421** |
| | 5/8 | 5/8 | 2 1/2 | 5 | 4 | 0.125 | | VST4-L-0625-R125 | Latuma | **406431** |
| | 5/8 | 5/8 | 2 1/2 | 5 | 4 | BALL | | VST4-L-0625-R313 (BALL) | Latuma | **406441** |
| | 5/8 | 5/8 | 1 | 5 | 4 | SQ | 2 1/2 | VST4-RN-M-0625-SQ | Latuma | **406801** |
| | 5/8 | 5/8 | 1 | 5 | 4 | 0.030 | 2 1/2 | VST4-RN-M-0625-R015 | Latuma | **406811** |
| | 5/8 | 5/8 | 1 | 5 | 4 | 0.060 | 2 1/2 | VST4-RN-M-0625-R030 | Latuma | **406821** |
| | 5/8 | 5/8 | 1 | 5 | 4 | 0.125 | 2 1/2 | VST4-RN-M-0625-R125 | Latuma | **406831** |
| | 5/8 | 5/8 | 1 | 5 | 4 | BALL | 2 1/2 | VST4-RN-M-0625-R313 (BALL) | Latuma | **406841** |
| 3/4" | 3/4 | 3/4 | 1 1/2 | 4 | 4 | SQ | | VST4-SR-0750-SQ | Latuma | **407101** |
| | 3/4 | 3/4 | 1 1/2 | 4 | 4 | 0.030 | | VST4-SR-0750-R030 | Latuma | **407111** |
| | 3/4 | 3/4 | 1 1/2 | 4 | 4 | 0.060 | | VST4-SR-0750-R060 | Latuma | **407121** |
| | 3/4 | 3/4 | 1 1/2 | 4 | 4 | 0.125 | | VST4-SR-0750-R125 | Latuma | **407131** |
| | 3/4 | 3/4 | 1 1/2 | 4 | 4 | BALL | | VST4-SR-0750-R375 (BALL) | Latuma | **407141** |
| | 3/4 | 3/4 | 3 | 6 | 4 | SQ | | VST4-L-0750-SQ | Latuma | **407401** |
| | 3/4 | 3/4 | 3 | 6 | 4 | 0.030 | | VST4-L-0750-R030 | Latuma | **407411** |
| | 3/4 | 3/4 | 3 | 6 | 4 | 0.060 | | VST4-L-0750-R060 | Latuma | **407421** |
| | 3/4 | 3/4 | 3 | 6 | 4 | 0.125 | | VST4-L-0750-R125 | Latuma | **407431** |
| | 3/4 | 3/4 | 3 | 6 | 4 | BALL | | VST4-L-0750-R375 (BALL) | Latuma | **407441** |
| | 3/4 | 3/4 | 1 1/8 | 6 | 4 | SQ | 3 | VST4-RN-M-0750-SQ | Latuma | **407801** |
| | 3/4 | 3/4 | 1 1/8 | 6 | 4 | 0.030 | 3 | VST4-RN-M-0750-R030 | Latuma | **407811** |
| | 3/4 | 3/4 | 1 1/8 | 6 | 4 | 0.060 | 3 | VST4-RN-M-0750-R060 | Latuma | **407821** |
| | 3/4 | 3/4 | 1 1/8 | 6 | 4 | 0.125 | 3 | VST4-RN-M-0750-R125 | Latuma | **407831** |
| | 3/4 | 3/4 | 1 1/8 | 6 | 4 | BALL | 3 | VST4-RN-M-0750-R375 (BALL) | Latuma | **407841** |
| 1" | 1 | 1 | 1 3/4 | 4 | 4 | SQ | | VST4-SR-1000-SQ | Latuma | **408101** |
| | 1 | 1 | 1 3/4 | 4 | 4 | 0.030 | | VST4-SR-1000-R030 | Latuma | **408111** |
| | 1 | 1 | 1 3/4 | 4 | 4 | 0.060 | | VST4-SR-1000-R060 | Latuma | **408121** |
| | 1 | 1 | 1 3/4 | 4 | 4 | 0.125 | | VST4-SR-1000-R125 | Latuma | **408131** |
| | 1 | 1 | 1 3/4 | 4 | 4 | BALL | | VST4-SR-1000-R500 (BALL) | Latuma | **408141** |
| | 1 | 1 | 3 | 6 | 4 | SQ | | VST4-M-1000-SQ | Latuma | **408301** |
| | 1 | 1 | 3 | 6 | 4 | 0.030 | | VST4-M-1000-R030 | Latuma | **408311** |
| | 1 | 1 | 3 | 6 | 4 | 0.060 | | VST4-M-1000-R060 | Latuma | **408321** |
| | 1 | 1 | 3 | 6 | 4 | 0.125 | | VST4-M-1000-R125 | Latuma | **408331** |
| | 1 | 1 | 3 | 6 | 4 | BALL | | VST4-M-1000-R500 (BALL) | Latuma | **408341** |
| | 1 | 1 | 1 1/2 | 6 | 4 | SQ | 3 1/2 | VST4-RN-M-1000-SQ | Latuma | **408801** |
| | 1 | 1 | 1 1/2 | 6 | 4 | 0.030 | 3 1/2 | VST4-RN-M-1000-R030 | Latuma | **408811** |
| | 1 | 1 | 1 1/2 | 6 | 4 | 0.060 | 3 1/2 | VST4-RN-M-1000-R060 | Latuma | **408821** |
| | 1 | 1 | 1 1/2 | 6 | 4 | 0.125 | 3 1/2 | VST4-RN-M-1000-R125 | Latuma | **408831** |
| | 1 | 1 | 1 1/2 | 6 | 4 | BALL | 3 1/2 | VST4-RN-M-1000-R500 (BALL) | Latuma | **408841** |

# Ferrous

# VST5 Series



# SERIES: VST5

## 5 Flute, Steel/Stainless Steel/Hi-Temp Alloys/Cast Iron/Hardened Steel, Light Roughing & Finishing

| TOOL DIA | CUT DIA | SHANK DIA | LENGTH OF CUT (LOC) | OVERALL LENGTH (OAL) | # OF FLUTES | CORNER CONDITION | LENGTH BELOW SHANK (LBS) | DESCRIPTION | Coating | EDP# |
|---|---|---|---|---|---|---|---|---|---|---|
| 1/4" | 1/4 | 1/4 | 3/8 | 2 1/2 | 5 | SQ | | VST5-S-0250-SQ | Alcrona Pro | **501001** |
| | 1/4 | 1/4 | 3/8 | 2 1/2 | 5 | 0.015 | | VST5-S-0250-R015 | Alcrona Pro | **501011** |
| | 1/4 | 1/4 | 3/8 | 2 1/2 | 5 | 0.030 | | VST5-S-0250-R030 | Alcrona Pro | **501021** |
| | 1/4 | 1/4 | 3/8 | 2 1/2 | 5 | 0.060 | | VST5-S-0250-R060 | Alcrona Pro | **501031** |
| | 1/4 | 1/4 | 3/8 | 2 1/2 | 5 | BALL | | VST5-S-0250-R125 (BALL) | Alcrona Pro | **501041** |
| | 1/4 | 1/4 | 3/4 | 2 1/2 | 5 | SQ | | VST5-R-0250-SQ | Alcrona Pro | **501201** |
| | 1/4 | 1/4 | 3/4 | 2 1/2 | 5 | 0.015 | | VST5-R-0250-R015 | Alcrona Pro | **501211** |
| | 1/4 | 1/4 | 3/4 | 2 1/2 | 5 | 0.030 | | VST5-R-0250-R030 | Alcrona Pro | **501221** |
| | 1/4 | 1/4 | 3/4 | 2 1/2 | 5 | 0.060 | | VST5-R-0250-R060 | Alcrona Pro | **501231** |
| | 1/4 | 1/4 | 3/4 | 2 1/2 | 5 | BALL | | VST5-R-0250-R125 (BALL) | Alcrona Pro | **501241** |
| | 1/4 | 1/4 | 3/8 | 4 | 5 | SQ | 1 1/4 | VST5-RN-R-0250-SQ | Alcrona Pro | **501701** |
| | 1/4 | 1/4 | 3/8 | 4 | 5 | 0.015 | 1 1/4 | VST5-RN-R-0250-R015 | Alcrona Pro | **501711** |
| | 1/4 | 1/4 | 3/8 | 4 | 5 | 0.030 | 1 1/4 | VST5-RN-R-0250-R030 | Alcrona Pro | **501721** |
| | 1/4 | 1/4 | 3/8 | 4 | 5 | 0.060 | 1 1/4 | VST5-RN-R-0250-R060 | Alcrona Pro | **501731** |
| | 1/4 | 1/4 | 3/8 | 4 | 5 | BALL | 1 1/4 | VST5-RN-R-0250-R125 (BALL) | Alcrona Pro | **501741** |
| 3/8" | 3/8 | 3/8 | 3/4 | 3 | 5 | SQ | | VST5-SR-0375-SQ | Alcrona Pro | **503101** |
| | 3/8 | 3/8 | 3/4 | 3 | 5 | 0.015 | | VST5-SR-0375-R015 | Alcrona Pro | **503111** |
| | 3/8 | 3/8 | 3/4 | 3 | 5 | 0.030 | | VST5-SR-0375-R030 | Alcrona Pro | **503121** |
| | 3/8 | 3/8 | 3/4 | 3 | 5 | 0.060 | | VST5-SR-0375-R060 | Alcrona Pro | **503131** |
| | 3/8 | 3/8 | 3/4 | 3 | 5 | BALL | | VST5-SR-0375-R188 (BALL) | Alcrona Pro | **503141** |
| | 3/8 | 3/8 | 1 1/2 | 4 | 5 | SQ | | VST5-L-0375-SQ | Alcrona Pro | **503401** |
| | 3/8 | 3/8 | 1 1/2 | 4 | 5 | 0.015 | | VST5-L-0375-R015 | Alcrona Pro | **503411** |
| | 3/8 | 3/8 | 1 1/2 | 4 | 5 | 0.030 | | VST5-L-0375-R030 | Alcrona Pro | **503421** |
| | 3/8 | 3/8 | 1 1/2 | 4 | 5 | 0.060 | | VST5-L-0375-R060 | Alcrona Pro | **503431** |
| | 3/8 | 3/8 | 1 1/2 | 4 | 5 | BALL | | VST5-L-0375-R188 (BALL) | Alcrona Pro | **503441** |
| | 3/8 | 3/8 | 5/8 | 4 | 5 | SQ | 2 | VST5-RN-R-0375-SQ | Alcrona Pro | **503701** |
| | 3/8 | 3/8 | 5/8 | 4 | 5 | 0.015 | 2 | VST5-RN-R-0375-R015 | Alcrona Pro | **503711** |
| | 3/8 | 3/8 | 5/8 | 4 | 5 | 0.030 | 2 | VST5-RN-R-0375-R030 | Alcrona Pro | **503721** |
| | 3/8 | 3/8 | 5/8 | 4 | 5 | 0.060 | 2 | VST5-RN-R-0375-R060 | Alcrona Pro | **503731** |
| | 3/8 | 3/8 | 5/8 | 4 | 5 | BALL | 2 | VST5-RN-R-0375-R188 (BALL) | Alcrona Pro | **503741** |
| 1/2" | 1/2 | 1/2 | 1 | 3 | 5 | SQ | | VST5-SR-0500-SQ | Alcrona Pro | **505101** |
| | 1/2 | 1/2 | 1 | 3 | 5 | 0.015 | | VST5-SR-0500-R015 | Alcrona Pro | **505111** |
| | 1/2 | 1/2 | 1 | 3 | 5 | 0.030 | | VST5-SR-0500-R030 | Alcrona Pro | **505121** |
| | 1/2 | 1/2 | 1 | 3 | 5 | 0.060 | | VST5-SR-0500-R060 | Alcrona Pro | **505131** |
| | 1/2 | 1/2 | 1 | 3 | 5 | 0.125 | | VST5-SR-0500-R125 | Alcrona Pro | **505141** |
| | 1/2 | 1/2 | 1 | 3 | 5 | BALL | | VST5-SR-0500-R250 (BALL) | Alcrona Pro | **505151** |
| | 1/2 | 1/2 | 1 1/4 | 3 | 5 | SQ | | VST5-R-0500-SQ | Alcrona Pro | **505201** |
| | 1/2 | 1/2 | 1 1/4 | 3 | 5 | 0.015 | | VST5-R-0500-R015 | Alcrona Pro | **505211** |
| | 1/2 | 1/2 | 1 1/4 | 3 | 5 | 0.030 | | VST5-R-0500-R030 | Alcrona Pro | **505221** |
| | 1/2 | 1/2 | 1 1/4 | 3 | 5 | 0.060 | | VST5-R-0500-R060 | Alcrona Pro | **505231** |
| | 1/2 | 1/2 | 1 1/4 | 3 | 5 | 0.125 | | VST5-R-0500-R125 | Alcrona Pro | **505241** |
| | 1/2 | 1/2 | 1 1/4 | 3 | 5 | BALL | | VST5-R-0500-R250 (BALL) | Alcrona Pro | **505251** |
| | 1/2 | 1/2 | 2 | 4 | 5 | SQ | | VST5-L-0500-SQ | Alcrona Pro | **505401** |
| | 1/2 | 1/2 | 2 | 4 | 5 | 0.015 | | VST5-L-0500-R015 | Alcrona Pro | **505411** |
| | 1/2 | 1/2 | 2 | 4 | 5 | 0.030 | | VST5-L-0500-R030 | Alcrona Pro | **505421** |
| | 1/2 | 1/2 | 2 | 4 | 5 | 0.060 | | VST5-L-0500-R060 | Alcrona Pro | **505431** |
| | 1/2 | 1/2 | 2 | 4 | 5 | 0.125 | | VST5-L-0500-R125 | Alcrona Pro | **505441** |
| | 1/2 | 1/2 | 2 | 4 | 5 | BALL | | VST5-L-0500-R250 (BALL) | Alcrona Pro | **505451** |
| | 1/2 | 1/2 | 3/4 | 4 | 5 | SQ | 2 | VST5-RN-R-0500-SQ | Alcrona Pro | **505701** |
| | 1/2 | 1/2 | 3/4 | 4 | 5 | 0.015 | 2 | VST5-RN-R-0500-R015 | Alcrona Pro | **505711** |
| | 1/2 | 1/2 | 3/4 | 4 | 5 | 0.030 | 2 | VST5-RN-R-0500-R030 | Alcrona Pro | **505721** |
| | 1/2 | 1/2 | 3/4 | 4 | 5 | 0.060 | 2 | VST5-RN-R-0500-R060 | Alcrona Pro | **505731** |
| | 1/2 | 1/2 | 3/4 | 4 | 5 | 0.125 | 2 | VST5-RN-R-0500-R125 | Alcrona Pro | **505741** |
| | 1/2 | 1/2 | 3/4 | 4 | 5 | BALL | 2 | VST5-RN-R-0500-R250 (BALL) | Alcrona Pro | **505751** |

## SERIES: VST5

### 5 Flute, Steel/Stainless Steel/Hi-Temp Alloys/Cast Iron/Hardened Steel, Light Roughing & Finishing

| TOOL DIA | CUT DIA | SHANK DIA | LENGTH OF CUT (LOC) | OVERALL LENGTH (OAL) | # OF FLUTES | CORNER CONDITION | LENGTH BELOW SHANK (LBS) | DESCRIPTION | Coating | EDP# |
|---|---|---|---|---|---|---|---|---|---|---|
| 1/2" | 1/2 | 1/2 | 3/4 | 6 | 5 | SQ | 3 1/2 | VST5-RN-L-0500-SQ | Alcrona Pro | **505901** |
| | 1/2 | 1/2 | 3/4 | 6 | 5 | 0.015 | 3 1/2 | VST5-RN-L-0500-R015 | Alcrona Pro | **505911** |
| | 1/2 | 1/2 | 3/4 | 6 | 5 | 0.030 | 3 1/2 | VST5-RN-L-0500-R030 | Alcrona Pro | **505921** |
| | 1/2 | 1/2 | 3/4 | 6 | 5 | 0.060 | 3 1/2 | VST5-RN-L-0500-R060 | Alcrona Pro | **505931** |
| | 1/2 | 1/2 | 3/4 | 6 | 5 | 0.125 | 3 1/2 | VST5-RN-L-0500-R125 | Alcrona Pro | **505941** |
| | 1/2 | 1/2 | 3/4 | 6 | 5 | BALL | 3 1/2 | VST5-RN-L-0500-R250 (BALL) | Alcrona Pro | **505951** |
| 5/8" | 5/8 | 5/8 | 1 1/4 | 3 1/2 | 5 | SQ | | VST5-SR-0625-SQ | Alcrona Pro | **506101** |
| | 5/8 | 5/8 | 1 1/4 | 3 1/2 | 5 | 0.030 | | VST5-SR-0625-R030 | Alcrona Pro | **506111** |
| | 5/8 | 5/8 | 1 1/4 | 3 1/2 | 5 | 0.060 | | VST5-SR-0625-R060 | Alcrona Pro | **506121** |
| | 5/8 | 5/8 | 1 1/4 | 3 1/2 | 5 | 0.125 | | VST5-SR-0625-R125 | Alcrona Pro | **506131** |
| | 5/8 | 5/8 | 1 1/4 | 3 1/2 | 5 | BALL | | VST5-SR-0625-R313 (BALL) | Alcrona Pro | **506141** |
| | 5/8 | 5/8 | 2 1/2 | 5 | 5 | SQ | | VST5-L-0625-SQ | Alcrona Pro | **506401** |
| | 5/8 | 5/8 | 2 1/2 | 5 | 5 | 0.030 | | VST5-L-0625-R015 | Alcrona Pro | **506411** |
| | 5/8 | 5/8 | 2 1/2 | 5 | 5 | 0.060 | | VST5-L-0625-R030 | Alcrona Pro | **506421** |
| | 5/8 | 5/8 | 2 1/2 | 5 | 5 | 0.125 | | VST5-L-0625-R125 | Alcrona Pro | **506431** |
| | 5/8 | 5/8 | 2 1/2 | 5 | 5 | BALL | | VST5-L-0625-R313 (BALL) | Alcrona Pro | **506441** |
| | 5/8 | 5/8 | 1 | 5 | 5 | SQ | 2 1/2 | VST5-RN-M-0625-SQ | Alcrona Pro | **506801** |
| | 5/8 | 5/8 | 1 | 5 | 5 | 0.030 | 2 1/2 | VST5-RN-M-0625-R015 | Alcrona Pro | **506811** |
| | 5/8 | 5/8 | 1 | 5 | 5 | 0.060 | 2 1/2 | VST5-RN-M-0625-R030 | Alcrona Pro | **506821** |
| | 5/8 | 5/8 | 1 | 5 | 5 | 0.125 | 2 1/2 | VST5-RN-M-0625-R125 | Alcrona Pro | **506831** |
| | 5/8 | 5/8 | 1 | 5 | 5 | BALL | 2 1/2 | VST5-RN-M-0625-R313 (BALL) | Alcrona Pro | **506841** |
| 3/4" | 3/4 | 3/4 | 1 1/2 | 4 | 5 | SQ | | VST5-SR-0750-SQ | Alcrona Pro | **507101** |
| | 3/4 | 3/4 | 1 1/2 | 4 | 5 | 0.030 | | VST5-SR-0750-R030 | Alcrona Pro | **507111** |
| | 3/4 | 3/4 | 1 1/2 | 4 | 5 | 0.060 | | VST5-SR-0750-R060 | Alcrona Pro | **507121** |
| | 3/4 | 3/4 | 1 1/2 | 4 | 5 | 0.125 | | VST5-SR-0750-R125 | Alcrona Pro | **507131** |
| | 3/4 | 3/4 | 1 1/2 | 4 | 5 | BALL | | VST5-SR-0750-R375 (BALL) | Alcrona Pro | **507141** |
| | 3/4 | 3/4 | 3 | 6 | 5 | SQ | | VST5-L-0750-SQ | Alcrona Pro | **507401** |
| | 3/4 | 3/4 | 3 | 6 | 5 | 0.030 | | VST5-L-0750-R030 | Alcrona Pro | **507411** |
| | 3/4 | 3/4 | 3 | 6 | 5 | 0.060 | | VST5-L-0750-R060 | Alcrona Pro | **507421** |
| | 3/4 | 3/4 | 3 | 6 | 5 | 0.125 | | VST5-L-0750-R125 | Alcrona Pro | **507431** |
| | 3/4 | 3/4 | 3 | 6 | 5 | BALL | | VST5-L-0750-R375 (BALL) | Alcrona Pro | **507441** |
| | 3/4 | 3/4 | 1 1/8 | 6 | 5 | SQ | 3 | VST5-RN-M-0750-SQ | Alcrona Pro | **507801** |
| | 3/4 | 3/4 | 1 1/8 | 6 | 5 | 0.030 | 3 | VST5-RN-M-0750-R030 | Alcrona Pro | **507811** |
| | 3/4 | 3/4 | 1 1/8 | 6 | 5 | 0.060 | 3 | VST5-RN-M-0750-R060 | Alcrona Pro | **507821** |
| | 3/4 | 3/4 | 1 1/8 | 6 | 5 | 0.125 | 3 | VST5-RN-M-0750-R125 | Alcrona Pro | **507831** |
| | 3/4 | 3/4 | 1 1/8 | 6 | 5 | BALL | 3 | VST5-RN-M-0750-R375 (BALL) | Alcrona Pro | **507841** |
| 1" | 1 | 1 | 1 3/4 | 4 | 5 | SQ | | VST5-SR-1000-SQ | Alcrona Pro | **508101** |
| | 1 | 1 | 1 3/4 | 4 | 5 | 0.030 | | VST5-SR-1000-R030 | Alcrona Pro | **508111** |
| | 1 | 1 | 1 3/4 | 4 | 5 | 0.060 | | VST5-SR-1000-R060 | Alcrona Pro | **508121** |
| | 1 | 1 | 1 3/4 | 4 | 5 | 0.125 | | VST5-SR-1000-R125 | Alcrona Pro | **508131** |
| | 1 | 1 | 1 3/4 | 4 | 5 | BALL | | VST5-SR-1000-R500 (BALL) | Alcrona Pro | **508141** |
| | 1 | 1 | 3 | 6 | 5 | SQ | | VST5-M-1000-SQ | Alcrona Pro | **508301** |
| | 1 | 1 | 3 | 6 | 5 | 0.030 | | VST5-M-1000-R030 | Alcrona Pro | **508311** |
| | 1 | 1 | 3 | 6 | 5 | 0.060 | | VST5-M-1000-R060 | Alcrona Pro | **508321** |
| | 1 | 1 | 3 | 6 | 5 | 0.125 | | VST5-M-1000-R125 | Alcrona Pro | **508331** |
| | 1 | 1 | 3 | 6 | 5 | BALL | | VST5-M-1000-R500 (BALL) | Alcrona Pro | **508441** |
| | 1 | 1 | 1 1/2 | 6 | 5 | SQ | 3 1/2 | VST5-RN-M-1000-SQ | Alcrona Pro | **508801** |
| | 1 | 1 | 1 1/2 | 6 | 5 | 0.030 | 3 1/2 | VST5-RN-M-1000-R030 | Alcrona Pro | **508811** |
| | 1 | 1 | 1 1/2 | 6 | 5 | 0.060 | 3 1/2 | VST5-RN-M-1000-R060 | Alcrona Pro | **508821** |
| | 1 | 1 | 1 1/2 | 6 | 5 | 0.125 | 3 1/2 | VST5-RN-M-1000-R125 | Alcrona Pro | **508831** |
| | 1 | 1 | 1 1/2 | 6 | 5 | BALL | 3 1/2 | VST5-RN-M-1000-R500 (BALL) | Alcrona Pro | **508841** |

CORE CUTTER
SOLID CARBIDE CUTTING TOOLS

# SFPM / Chipload Chart

PERFORMANCE YOU CAN TRUST, QUALITY YOU CAN MEASURE

| Materials | | Aluminum | Carbon Steels | Alloy Steel | Stainless | | | | Cast Iron | | High Temp Alloys | | | Tool Steels | | Mold Steel |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Description | | 2024, 6061, 7075 | 10XX, 11XX, 13XX, 15XX | 40XX, 41XX, 42XX, 43XX, 44XX, 86XX Series | 303 | 304, 304L, 316, 316L | 410, 416, 420, 430F, 440C | 13-8PH, 15-4PH, 16-6PH, 17-4PH | Gray | Ductile | Inconel 600 / 718, A286, Haynes | Pure Titanium | Wrought/ Cast 6AL4, ASTM 1, 2 & 3 Alpha - Beta | A2, S7, H1, H13 | D2 | P20 |
| SFM <32RC | | 800-2000 | 200 - 450 | 150 - 300 | 150 - 350 | 150 - 250 | 200 - 450 | 80 - 250 | 250 - 450 | 120 - 350 | 70 - 120 | 140 - 220 | 140 - 200 | 90 - 140 | 250 - 450 | 150 - 250 |
| SFM >32RC | | | 100 - 250 | 80 - 200 | 80 - 200 | | 100 - 250 | 90 - 125 | 130 -300 | 80 - 140 | 40 - 90 | 90 - 160 | 90 - 160 | 80 - 120 | 100 - 160 | 80 - 160 |
| 1/4" | S | .0030 | .0014 | .0012 | .0013 | .0012 | .0013 | .0012 | .0012 | .0012 | .0008 | .0012 | .0012 | .0008 | .0008 | .0010 |
| | HP | .0040 | .0017 | .0012 | .0013 | .0012 | .0013 | .0010 | .0013 | .0014 | .0009 | .0014 | .0012 | .0010 | .0010 | .0012 |
| | LP | .0060 | .0019 | .0016 | .0013 | .0012 | .0014 | .0013 | .0013 | .0015 | .0012 | .0014 | .0014 | .0012 | .0015 | .0013 |
| 3/8" | S | .0050 | .0018 | .0016 | .0016 | .0015 | .0016 | .0015 | .0015 | .0018 | .0014 | .0016 | .0015 | .0015 | .0012 | .0015 |
| | HP | .0060 | .0018 | .0016 | .0018 | .0015 | .0015 | .0015 | .0016 | .0018 | .0014 | .0016 | .0016 | .0016 | .0012 | .0016 |
| | LP | .0080 | .0025 | .0022 | .0022 | .0016 | .0016 | .0016 | .0016 | .0018 | .0015 | .0022 | .0018 | .0018 | .0015 | .0018 |
| 1/2" | S | .0060 | .0030 | .0025 | .0027 | .0025 | .0025 | .0025 | .0025 | .0027 | .0020 | .0026 | .0025 | .0025 | .0020 | .0025 |
| | HP | .0070 | .0030 | .0030 | .0032 | .0030 | .0030 | .0028 | .0028 | .0030 | .0022 | .0025 | .0025 | .0026 | .0020 | .0025 |
| | LP | .0120 | .0035 | .0032 | .0035 | .0035 | .0038 | .0035 | .0038 | .0040 | .0025 | .0030 | .0030 | .0030 | .0025 | .0030 |
| 5/8" | S | .0070 | .0035 | .0030 | .0030 | .0030 | .0030 | .0030 | .0030 | .0035 | .0025 | .0035 | .0030 | .0030 | .0025 | .0030 |
| | HP | .0090 | .0038 | .0035 | .0030 | .0030 | .0030 | .0030 | .0035 | .0035 | .0028 | .0035 | .0030 | .0030 | .0025 | .0030 |
| | LP | .0150 | .0040 | .0040 | .0040 | .0040 | .0040 | .0040 | .0040 | .0044 | .0030 | .0040 | .0038 | .0038 | .0030 | .0035 |
| 3/4" | S | .0080 | .0040 | .0040 | .0040 | .0035 | .0035 | .0035 | .0035 | .0040 | .0028 | .0040 | .0038 | .0038 | .0032 | .0035 |
| | HP | .0150 | .0050 | .0040 | .0043 | .0040 | .0040 | .0040 | .0040 | .0045 | .0035 | .0040 | .0040 | .0040 | .0035 | .0040 |
| | LP | .0200 | .0060 | .0050 | .0050 | .0045 | .0040 | .0040 | .0040 | .0045 | .0040 | .0050 | .0045 | .0050 | .0045 | .0050 |
| 1" | S | .0100 | .0050 | .0040 | .0040 | .0040 | .0040 | .0040 | .0040 | .0050 | .0038 | .0050 | .0042 | .0042 | .0040 | .0045 |
| | HP | .0150 | .0060 | .0060 | .0050 | .0050 | .0050 | .0045 | .0045 | .0050 | .0040 | .0050 | .0045 | .0045 | .0040 | .0045 |
| | LP | .0200 | .0070 | .0060 | .0065 | .0060 | .0060 | .0060 | .0060 | .0070 | .0055 | .0070 | .0060 | .0060 | .0050 | .0055 |

| | | | |
|---|---|---|---|
| Stub and Regular Length | S = Slotting<br>Axial Depth<br>up to .5 X Diameter | HP = Heavy Peripheral<br>Axial DOC = LOC<br>Radial DOC = .5 X Diameter | LP = Light Profile<br>Axial DOC = LOC<br>Radial WOC = .15 X Diameter |
| Medium Length | S = Slotting<br>Not Recommended | HP = Heavy Peripheral<br>Axial DOC = up to 1 X Diameter<br>Radial DOC = .2 X Diameter | LP = Light Profile<br>Axial DOC = up to 1.5 X Diameter<br>Radial WOC = .1 X Diameter |

Core Cutter, LLC ▪ 362 Maine Ave, Farmingdale, ME 04344 ▪ (207) 588-7519 ▪ www.corecutterusa.com

# Terms and Conditions

**Authorized Distribution**

The Core Cutter product lines are sold through a national network of independent industrial distributors. These distributors are selected based on their commitment to customer service, technical expertise and commitment to quality. Please contact Customer Service to find your Authorized Core Cutter Distributor.

Commitment to Quality

Core Cutter, LLC is committed to high quality, high performance carbide tooling. In order to better serve our customers, we reserve the right to make changes to our products as is needed to comply with our rigorous Commitment to Quality. As such, this catalog may not represent current tooling specifications, or designs modified after its issue date and therefore does not justify any claims.

Product Safety

Any cutting tool may be subject to breaking and/or shattering under improper use. Government regulations require the use of safety glasses and other protective equipment in the vicinity of use. Additionally, the use of cutting tools can produce potentially hazardous dusts and/or mists, the particles of which can cause health related issues. To avoid adverse health effects, always use proper ventilation and consult the Safety Data Sheet for other recommendations.

Product Warranty

Core Cutter will repair or replace any of our products that are evaluated and determined to be defective in either materials and/or workmanship for up to one (1) year from the purchase date of said product. This warranty shall not apply to any Core Cutter product that has been altered, reconditioned/repaired, misused or exposed to improper or unrecommended operating parameters and/or procedures.

Returned Product

Core Cutter honors new, unmodified, quality condition returned standard catalog tooling purchased within six (6) months for full refund. New, unmodified, quality condition standard catalog tooling purchased within one (1) year can be returned for merchandise credit and is subject to a 5% Restocking Fee. All returned product must be accompanied by a Core Cutter supplied Return Merchandise Authorization (RMA). Custom-made, modified, used, and/or damaged tooling will not be accepted for return unless subject to Product Warranty. Please contact our Customer Service to obtain an RMA.

Damaged Product

All product is shipped FOB factory via third-party parcel and freight carriers. It is the responsibility of the receiver to notify Core Cutter immediately if a package is missing or damaged. Our Customer Service will assist you in filing claims proceedings directly with the carrier. To ensure fast resolution, please keep the original damaged packaging and/or photographs, when applicable.

Over or Under Shipments

All custom-made and modified tooling is subject to a +/-10% (or 1 piece) over/under shipment policy.

# How to Order

Please contact your local distributor for pricing and availability of our standard products. To find your local distributor, please call us directly at (207) 588-7519.

CORE CUTTER
SOLID CARBIDE CUTTING TOOLS

Core Cutter, LLC
362 Maine Avenue
Farmingdale, ME 04344

P: (207) 588-7519
F: (207) 588-7614
www.corecutterusa.com

CORE CUTTER
SOLID CARBIDE CUTTING TOOLS

362 Maine Avenue
Farmingdale, ME 04344
T: (207) 588-7519
F: (207) 588-7614
www.corecutterusa.com

Rev. 2017A