



# TOOLING IS EVERYTHING



*Xperience the difference*

*eXcellent speed, eXcellent quality, eXcellent tools*

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## ROUTER TOOLS

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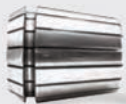
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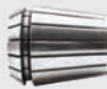
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3mm MatriX Mat



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# RAZOR SERIES

Designed to produce extremely smooth edge finish on a wide range of materials including, but not limited to: UHMW, HDPE, HDU, PVC, Phenolic, Solid Surface, ACM, Wood, etc.

## 2 FLUTE UP-SPIRAL

(Use for detail cutting)



**FOR: UHMW, HDPE, HDU, PVC, ACRYLIC, PHENOLIC, SOLID SURFACE, ACM**

PART NUMBER	DIAMETER	SHANK SIZE	CUT LENGTH	OVERALL
XR2060-CB	1/8"	1/4"	1/2"	2-1/2"
XR2061M-CB	3mm	6mm	13mm	64mm

## 3 FLUTE UP-SPIRAL

(Provides smoothest edge finish)



**FOR: UHMW, HDPE, HDU, PVC, ACRYLIC, PHENOLIC, SOLID SURFACE, ACM**

PART NUMBER	DIAMETER	SHANK SIZE	CUT LENGTH	OVERALL
XR2061S-CBEEL	3/16"	3/16"	1-1/2"	3"
XR2061-CB	3/16"	1/4"	5/8"	2-1/2"
XR2062-CB	1/4"	1/4"	3/4"	2-1/2"
XR2062-CBEL	1/4"	1/4"	1"	2-1/2"
XR2062-CBEEL	1/4"	1/4"	1-1/2"	3-1/2"
XR2063-CB	3/8"	3/8"	1"	2-1/2"
XR2063-CBEEL	3/8"	3/8"	2-1/2"	5"
XR2064-CB	1/2"	1/2"	1-1/2"	3-1/2"
XR2064-CBEL	1/2"	1/2"	2-1/2"	5"
XR2062M-CB	6mm	6mm	25mm	64mm

RAZOR SERIES

# ΩMEGA SERIES

Highly polished single fluted tool with up or down geometry specifically designed for premium edge quality in acrylic, but may also be used to cut wood and other plastics.

## SINGLE FLUTE UP-SPIRAL

(Use edge finish pass of .06" on acrylic)



### FOR: ACRYLIC, WOOD, ASSORTED PLASTICS

PART NUMBER	DIAMETER	SHANK SIZE	CUT LENGTH	OVERALL
XO2009	1/16"	1/8"	1/4"	2"
XO2010-S	1/8"	1/4"	.3"	2"
XO2010	1/8"	1/4"	1/2"	2"
XO2011-1	3/16"	3/16"	5/8"	2"
XO2011	3/16"	1/4"	5/8"	2-1/2"
XO2012-S	1/4"	1/4"	1/2"	2-1/2"
XO2012	1/4"	1/4"	3/4"	2-1/2"
XO2012-L	1/4"	1/4"	1-1/8"	2-1/2"
XO2013	3/8"	3/8"	1-1/8"	3"
XO2014	1/2"	1/2"	1-5/8"	3-1/2"
XO2111M	3mm	3mm	7mm	51mm
XO2111ML	3mm	3mm	15mm	51mm
XO2011M	3mm	6mm	13mm	64mm
XO2112M	4mm	4mm	7mm	51mm
XO2112ML	4mm	4mm	15mm	51mm
XO2012M	6mm	6mm	13mm	64mm

## SINGLE FLUTE DOWN-SPIRAL

(Ideal choice for thin materials)



### FOR: ACRYLIC, WOOD, ASSORTED PLASTICS

PART NUMBER	DIAMETER	SHANK SIZE	CUT LENGTH	OVERALL
XO2910-S	1/8"	1/4"	.3"	2"
XO2911-1	3/16"	3/16"	5/8"	2"
XO2911	3/16"	1/4"	5/8"	2-1/2"
XO2912	1/4"	1/4"	3/4"	2-1/2"

# ACRYL-X SERIES

The Acryl-X Series is dedicated to producing the highest acrylic edge quality possible by utilizing natural diamonds (MCD) to polish the acrylic. Offered both as a polishing router bit to use on your CNC router, and as a stand alone polishing machine for faster offline polishing of straight cut parts.

## 1 FLUTE MCD DIAMOND POLISHING TOOL



### FOR: ACRYLIC

PART NUMBER	DIAMETER	SHANK SIZE	CUT LENGTH	OVERALL
XPT-1068	6.5mm	6mm	8.5mm	65mm
XPT-101014	10.5mm	10mm	14.5mm	76mm
XPT-121226	12.5mm	12mm	26.5mm	84mm

## MCD DIAMOND POLISHING MACHINE

### FOR: ACRYLIC

PART NUMBER	VOLTAGE	PHASE	MAX THICKNESS	MCD HEAD INCLUDED
XPM-1071	220	1	3/4"	YES

The Acryl-X XPM-1071 vertical desktop edge polishing machine is for producing high gloss as well as satined edge finishes or even tension-free edges for gluing.

Processing speed can be adjusted to suit any material with a turn of the variable speed input conveniently located on the front of the machine. The housing is made entirely of heat-dissipating aluminum along with ventilation slots to prevent over heating. The protective hood of the polishing machine is designed to prevent material chips from causing surface smear.

**\*\*NOTE\*\***

110v converter option available for additional charge.



# SABER SERIES

Designed to produce the fastest feedrates possible while maintaining superior cut quality on steel composite material (SCM). Specialized coating extends tool life and allows for maximum chip removal.

## 4 FLUTE UP-SPIRAL

(Ideal for materials containing thin steel)



### FOR: SCM, MAXMETAL

PART NUMBER	DIAMETER	SHANK SIZE	CUT LENGTH	OVERALL	RADIUS
XS2052	1/4"	1/4"	3/8"	2-1/2"	.015"

# VIPER SERIES

Highly polished tool designed specifically for achieving the best possible edge finish on aluminum while maintaining a high feed rate. The 2 fluted Viper was designed specifically for 50-51 & 60-62 or harder aluminum.

## 2 FLUTE UP-SPIRAL

(Optimized for 50-51 or harder aluminum)



### FOR: ALUMINUM, ACM, WOOD

PART NUMBER	DIAMETER	SHANK SIZE	CUT LENGTH	OVERALL
XV2030-S	1/8"	1/4"	.2"	2"
XV2030	1/8"	1/4"	3/8"	2-1/2"
XV2031	3/16"	1/4"	5/8"	2"
XV2032-S	1/4"	1/4"	5/8"	2"
XV2032	1/4"	1/4"	1"	2-1/2"
XV2033	3/8"	3/8"	1"	2-1/2"
XV2034	1/2"	1/2"	1"	3"
XV2034-EL	1/2"	1/2"	1"	4"
XV2035-EL	3/4"	3/4"	3"	6"
XV2030M	3mm	6mm	10mm	58mm
XV2032M	6mm	6mm	22mm	58mm

# VIPER SERIES

Single fluted Viper excels in 3003, or when cutting thin sheets as to reduce part lift.

## SINGLE FLUTE UP-SPIRAL

(Best for 3003 aluminum or thin materials)



### FOR: ALUMINUM, ACM, WOOD

PART NUMBER	DIAMETER	SHANK SIZE	CUT LENGTH	OVERALL
XVO2230-1	1/8"	1/8"	1/4"	2"
XVO2230	1/8"	1/4"	1/4"	2"
XVO2231-1	3/16"	3/16"	1/2"	2"
XVO2231	3/16"	1/4"	1/2"	2"
XVO2232	1/4"	1/4"	5/8"	2"
XVO2233	3/8"	3/8"	1"	3"
XVO2230M	3mm	6mm	12mm	64mm
XVO2232M	6mm	6mm	15mm	64mm

## SINGLE FLUTE DOWN-SPIRAL

(Better hold down cutting thin aluminum)



### FOR: ALUMINUM, ACM, WOOD

PART NUMBER	DIAMETER	SHANK SIZE	CUT LENGTH	OVERALL
XVO2930	1/8"	1/4"	1/4"	2"
XVO2931-1	3/16"	3/16"	3/8"	2-1/2"
XVO2932	1/4"	1/4"	5/8"	2"

Use Liquid-X™ misting fluid with Viper series tooling on aluminum for optimum edge quality, highest feed rates and longer tool life.



# VIPER BLACK SERIES

Viper series with a DLC coating for cutting aluminum without misting fluid. Also when used with misting fluid it extends tool life.

## SINGLE FLUTE COATED UP-SPIRAL

(For cutting aluminum with no mist)



### FOR: ALUMINUM, ACM, WOOD

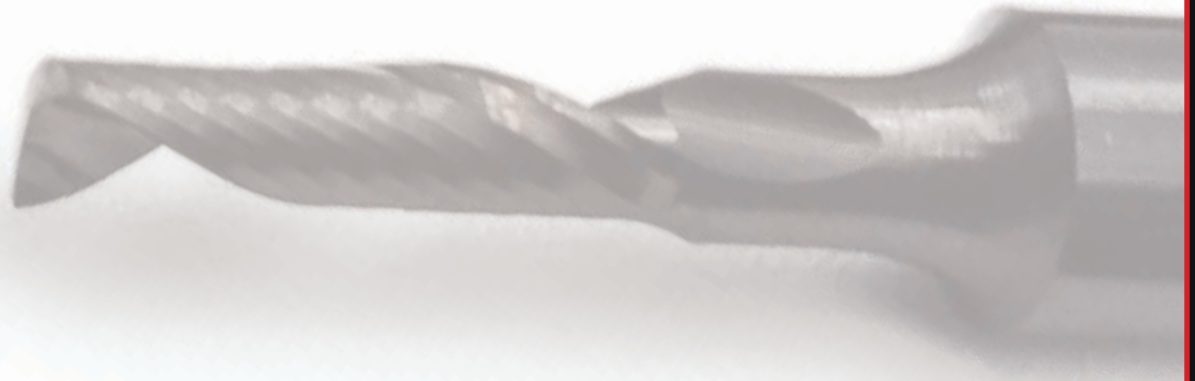
PART NUMBER	DIAMETER	SHANK SIZE	CUT LENGTH	OVERALL
XVO2230-DLC	1/8"	1/4"	1/4"	2"
XVO2231-DLC	3/16"	1/4"	1/2"	2"
XVO2232-DLC	1/4"	1/4"	5/8"	2"
XVO2233-DLC	3/8"	3/8"	1"	3"
XVO2230M-DLC	3mm	6mm	12mm	64mm
XVO2232M-DLC	6mm	6mm	15mm	64mm

## SINGLE FLUTE COATED DOWN-SPIRAL



### FOR: ALUMINUM, ACM, WOOD

PART NUMBER	DIAMETER	SHANK SIZE	CUT LENGTH	OVERALL
XVO2932-DLC	1/4"	1/4"	5/8"	2"



# COBRA SERIES

Combination of down and up cutting edges keeps material surface from chipping on either side. Perfect for Melamine board, Plywood, and other materials where top and bottom of material is prone to chipping.

## 2 FLUTE COMPRESSION

(Best for general purpose through cutting)



### FOR: HARDWOOD, SOFTWOOD, MDF, MELAMINE BOARD

PART NUMBER	DIAMETER	SHANK SIZE	CUT LENGTH	UP	OVERALL
XC2020	1/8"	1/8"	7/8"	1/8"	2-1/2"
XC2022	1/4"	1/4"	1"	3/16"	2-1/2"
XC2023	3/8"	3/8"	1-1/4"	3/8"	3"

## 2 FLUTE LONG LIFE COMPRESSION

(Harder grade carbide for longer life)



### FOR: HARDWOOD, SOFTWOOD, MDF, MELAMINE BOARD

PART NUMBER	DIAMETER	SHANK SIZE	CUT LENGTH	UP	OVERALL
XC2023-LL	3/8"	3/8"	1-1/4"	3/8"	3"

## 2 FLUTE MORTISING COMPRESSION

(Short upcut helps keep parts from moving)



### FOR: HARDWOOD, SOFTWOOD, MDF, MELAMINE BOARD

PART NUMBER	DIAMETER	SHANK SIZE	CUT LENGTH	UP	OVERALL
XC2022-M	1/4"	1/4"	1"	3/16"	2-1/2"
XC2023-M	3/8"	3/8"	7/8"	3/16"	3"

## 3 FLUTE COMPRESSION

(Used when higher feedrates are desired)



### FOR: HARDWOOD, SOFTWOOD, MDF, MELAMINE BOARD

PART NUMBER	DIAMETER	SHANK SIZE	CUT LENGTH	UP	OVERALL
XC2123	3/8"	3/8"	1-1/4"	3/8"	3"
XC2124	1/2"	1/2"	1-1/4"	7/16"	3"

# TAPERED CARVING SERIES

Designed to offer smooth 3D carving while maintaining high strength and deflection resistance inherent to the tapered geometry. A 3D signmakers "Must Have".

## 3 FLUTE UP-SPIRAL TAPERED BALL

(Use at full depth, eliminating roughing pass)



### FOR: HDU, ACRYLIC, PLASTICS, WOOD

PART NUMBER	TIP SIZE	SHANK SIZE	CUT LENGTH	OVERALL	TAPER
XCT0132	1/32"	1/4"	1"	3"	6.3°
XCT016	1/16"	1/4"	1"	3"	5.5°
XCT018	1/8"	1/4"	1"	3"	3.6°
XCT518	1/8"	1/2"	2-1/2"	4"	4°
XCT3418	1/8"	3/4"	4"	7"	8°

# BALL MILL SERIES

These take the standard ball nose platform to the next level with an extra finishing step and a special flute design optimized for greater surface finish.

## 2 FLUTE BALL END MILL

(The radius is half of the tool's diameter)



**FOR: HDU, ALUMINUM, PLASTICS, WOOD**

PART NUMBER	DIAMETER	SHANK SIZE	CUT LENGTH	OVERALL
XB2072	1/4"	1/4"	3/4"	2-1/2"
XB2073	3/8"	3/8"	1"	2-1/2"
XB2074	1/2"	1/2"	1"	3"
XB2072M	6mm	6mm	12mm	50mm

**TIP: Use Liquid X™ misting fluid with Ball Mill series tooling on aluminum for optimum edge quality and highest feedrates.**



CHAMFER SERIES

# CHAMFER SERIES

A unique design of 3 fluted up-spiral cut edges fit to a precise angle to achieve phenomenal cut quality in various materials.

## 3 FLUTE UP-SPIRAL CHAMFER 90°

(Best when used after cut out)



### FOR: ALUMINUM, PLASTICS, WOOD, ACM

PART NUMBER	SHANK	FLAT	V- DEPTH	OVERALL
XCH2042-S	1/4"	.05"	.12"	2-23/64"
XCH2043-S	3/8"	.055"	.157"	3"
XCH2044-S	1/2"	.07"	.196"	3"

## 3 FLUTE UP-SPIRAL CHAMFER 108°

(Best when used after cut out)



### FOR: ALUMINUM, PLASTICS, WOOD, ACM

PART NUMBER	SHANK	FLAT	V- DEPTH	OVERALL
XCH2144-S	1/2"	.08"	.13"	3"

**TIP:** Use Liquid X™ misting fluid with Chamfer series tooling on aluminum for optimum edge quality and highest feedrates.

# ACM SERIES

Makes folding aluminum composite materials easy. Choose from 90 degree tools to create 90 degree folds or our 135 degree tools for 45 degree folds

**2 FLUTE 90° V**  
(.7" at widest point)



**FOR: ACM, PLASTICS, WOOD**

PART NUMBER	SHANK	FLAT	V- DEPTH	OVERALL
XACM90-V	3/8"	.1"	5/16"	2-3/8"
XACM90M-V	6mm	2.5mm	8mm	60mm



**2 FLUTE 135° V**  
(.7" at widest point)



**FOR: ACM, PLASTICS, WOOD**

PART NUMBER	SHANK	FLAT	V- DEPTH	OVERALL
XACM135-V	3/8"	.1"	5/16"	2-3/8"



Note\* For through-cutting of ACM, see "RAZOR", or "VIPER O" series tooling

V-GROOVE ENGRAVING / SHAPING SERIES

# V-GROOVE ENGRAVING

Perfect for your signmaking and engraving needs. Pointed tip with very small flat allows for sharp engraved letters and designs.

## 2 FLUTE 90° V-TOOL

(Best for med-lrg shapes/letters)



**FOR: HDU, WOOD, PLASTICS, ALUMINUM**

PART NUMBER	SHANK SIZE	V-DEPTH	OVERALL	CUT WIDTH
XV2005	1/4"	11/64"	1-5/8"	3/8"
XV2006M	6mm	4.5mm	41mm	9.5mm
XV2005-LD	1/4"	9/16"	1-7/8"	1"

## 2 FLUTE 60° V-TOOL

(Best for medium shapes/letters or sharp details)



**FOR: HDU, WOOD, PLASTICS, ALUMINUM**

PART NUMBER	SHANK SIZE	V-DEPTH	OVERALL	CUT WIDTH
XV2006	1/4"	3/8"	1-3/4"	1/2"

## 60° LETTERING TOOL

(Best for small shapes/letters & small details)



**FOR: HDU, WOOD, PLASTICS, ALUMINUM**

PART NUMBER	SHANK SIZE	V-DEPTH	OVERALL	CUT WIDTH	FLAT
XLE6100	1/4"	1/2"	2"	1/4"	.01"
XLE6300	1/4"	1/2"	2"	1/4"	.03"

## 30° LETTERING TOOL

(Best for very small shapes/letters & very small details)



**FOR: HDU, WOOD, PLASTICS, ALUMINUM**

PART NUMBER	SHANK SIZE	V-DEPTH	OVERALL	CUT WIDTH	FLAT
XLE3100	1/4"	1/2"	2"	1/4"	.01"
XLE3300	1/4"	1/2"	2"	1/4"	.03"

SHAPING SERIES

# INSERT V-CARVE SERIES

Replaceable insert blades makes this tool a one-time purchase. Simply replace the inserts as they wear while keeping and reusing the body for many years. Single blade design allows for a perfectly pointed groove with no flat.

## SINGLE EDGE 60° V-TOOL

(Best for small shapes/letters or sharp details)



### FOR: HDU, PLASTICS, WOOD

PART NUMBER	SHANK SIZE	V-DEPTH	OVERALL	CUT WIDTH
XIV6012	1/2"	29/32"	2-1/2"	1-1/32"

## SINGLE EDGE 90° V-TOOL

(Best for med-lrg shapes/letters)



### FOR: HDU, PLASTICS, WOOD

PART NUMBER	SHANK SIZE	V-DEPTH	OVERALL	CUT WIDTH
XIV9014	1/4"	3/4"	2-9/16"	1-1/2"
XIV9012	1/2"	3/4"	3-1/32"	1-1/2"
XIV9034	3/4"	1-1/2"	3-15/16"	3"

## DUAL EDGE 120° V-TOOL

(Best for large shapes/letters or 3D texture designs)



### FOR: HDU, PLASTICS, WOOD

PART NUMBER	SHANK SIZE	V-DEPTH	OVERALL	CUT WIDTH
XIV12012	1/2"	9/16"	3-5/32"	2-1/32"



# INSERT V-CARVE SERIES

## DUAL EDGE 140° V-TOOL

(Best for large shapes/letters or 3D texture designs)



### FOR: HDU, PLASTICS, WOOD

PART NUMBER	SHANK SIZE	V-DEPTH	OVERALL	CUT WIDTH
XIV14012	1/2"	3/8"	3-5/32"	2-3/16"

## REPLACEMENT INSERTS

(\* Indicates dual sided)



### FOR: INSERT V-CARVE SERIES

PART NUMBER	THICKNESS	OVERALL LENGTH	FOR TOOL
XIV6012-CI	1.5mm	27mm	XIV6012
XIV9014-CI *	1.5mm	28mm	XIV9014
XIV9012-CI *	1.5mm	28mm	XIV9012
XIV9034-CI *	1.5mm	48mm	XIV9034
XIV12012-CI	1.5mm	29.5mm	XIV12012
XIV14012-CI	1.5mm	29.5mm	XIV14012



INSERT V-CARVE SERIES

# CARBIDE DRILL SERIES

Created for the purpose of long life and making perfect drill holes on a CNC router, these solid carbide drill bits don't exhibit the short life, deflection, and low quality holes normally associated with standard high speed steel "off the shelf" drill bits.

Most CNC router tooling is not designed for plunging straight downward into the material; doing so will exert high load force onto the face of the spindle bearings causing pre-mature failure. Using proper tools like a drill bit designed for plunging will save your spindle from unnecessary wear & tear.

## 2 FLUTE SOLID CARBIDE DRILLS

(Ideal for creating accurate holes)

### FOR: ALUMINUM, PLASTICS, WOOD

PART NUMBER	DRILL SIZE	SHANK SIZE	OVERALL	CUT DEPTH
XCD2079-S	1/16"	1/8"	1-1/2"	.122"
XCD2080-S	1/8"	1/8"	2"	.8"
XCD2081-S	3/16"	3/16"	2"	1.1"
XCD2082-S	1/4"	1/4"	3"	1.3"
XCD2083-S	3/8"	3/8"	3"	1.3"
XCD2084-S	1/2"	1/2"	3"	1.6"

# TABLE MILL SERIES

Designed for use on MDF spoilboards to provide a smooth, flat surface which will allow for the greatest air flow from your vacuum pump possible. Replaceable insert designs makes for a low lifetime cost of ownership.

## 2 WING TABLE MILL INSERT CUTTER

(Best choice for milling vacuum table with smaller hp spindles)



**FOR: WOOD, PLASTICS**

PART NUMBER	SHANK SIZE	DIAMETER	OVERALL LENGTH	CUT DEPTH
XSC-9001S	3/8"	1-1/2"	2-3/4"	.55"

## 3 WING TABLE MILL INSERT CUTTER

(Best choice for milling vacuum table with larger hp spindles)



**FOR: WOOD, PLASTICS**

PART NUMBER	SHANK SIZE	DIAMETER	OVERALL LENGTH	CUT DEPTH
XSC-9001	1/2"	2-1/2"	2-3/4"	.55"

## REPLACEMENT INSERTS FOR TABLE MILL CUTTERS

(All 4 sides of each insert can be used)



**FOR: TABLE MILL CUTTERS**

PART NUMBER	LENGTH	WIDTH	RADIUS	ANGLE
XSC-9001-CI	14mm	14mm	0°	30°

TABLE MILL SERIES

# FLAT KNIFE BLADES

## FLAT SINGLE EDGE BLADE

(Cardstock, Coroplast, Corrugated Cardboard Paper, Foils, Vinyls)



XK0335			
FITS	REPLACES	KNIFE HOLDER	
Colex	T00335	T00138	
CUT LENGTH	THICKNESS	SHANK	OVERALL
6.5mm	.4mm	4mm	24mm

## FLAT SINGLE EDGE BLADE 55°

(General purpose, banner, cardstock, corrugated, styrene, etc)



XK4055-D			
FITS	REPLACES	KNIFE HOLDER	
MultiCam	KH16	KH1	
Kongsberg	BLD-SF216	MPHF/STATIC/SE/VIBRA/HF	
Aristo	910.306-L	7085/7111/7563	
CUT LENGTH	THICKNESS	SHANK	OVERALL
5.5mm	.63mm	5.65mm	28mm

## FLAT SINGLE EDGE BLADE 53.2°

(Canvas, vinyls, carton, magnetic foil, banner, paper, polyester, etc.)



XZ0016			
FITS	REPLACES	KNIFE HOLDER	
Zund	Z16	EOT/EOT-250/POT/SCT/UCT	
Kongsberg	BLD-SF216	MP/HF/Static	
CUT LENGTH	THICKNESS	SHANK	OVERALL
7.4mm	.63mm	5.65mm	25mm

# FLAT KNIFE BLADES

## FLAT SINGLE EDGE BLADE 65°

(Paper, foamboard, vinyl, etc.)



XZ0017			
FITS	REPLACES	KNIFE HOLDER	
Zund	Z17	EOT/EOT-250/POT/SCT/UCT	
Kongsberg	BLD-SF217	MP/HF/Static/Vibra	
CUT LENGTH	THICKNESS	SHANK	OVERALL
12mm	.63mm	5.65mm	25mm

## FLAT SINGLE EDGE BLADE

(Corrugated, Foam Board, Folding Carton, Magnetic Foil, Rubber, etc.)



XZ0020			
FITS	REPLACES	KNIFE HOLDER	
Zund	Z20	EOT/EOT-250/POT	
Kongsberg	BLD-SF420	MP HF/VIBRACUT/HI-FORCE	
Colex	T00420	T00126	
Aristo	910.313	4560	
Summa	500-9811	Oscillating	
CUT LENGTH	THICKNESS	SHANK	OVERALL
14.3mm	.63mm	4mm	25mm

## FLAT SINGLE EDGE BLADE

(Corrugated, Foam Board, Folding Carton, Magnetic Foil, Rubber, etc.)



XZ0021			
FITS	REPLACES	KNIFE HOLDER	
Zund	Z21	SCT/UCT	
MultiCam	K66	KH2	
Kongsberg	BLD-SF421	HI-FORCE, MP HF, VIBRACUT	
Colex	T00421	T00126	
Aristo	910.314	4560	
Summa	500-9812	Oscillating	
CUT LENGTH	THICKNESS	SHANK	OVERALL
17.2mm	.63mm	4mm	28mm

# FLAT KNIFE BLADES

## FLAT SINGLE EDGE BLADE

(Corrugated, Foam Board, Folding Carton, Magnetic Foil, Rubber, etc.)



XZ0022			
FITS	REPLACES	KNIFE HOLDER	
Zund	Z22	EOT/EOT-250/POT	
Kongsberg	BLD-SF422	HI-FORCE, MP HF, VIBRACUT	
MultiCam	K68	KH2	
Aristo	910.315	4560	
Summa	500-9810	Oscillating	
CUT LENGTH	THICKNESS	SHANK	OVERALL
14mm	.63mm	4mm	25mm

## FLAT SINGLE EDGE BLADE

(Corrugated stock, foamboard, rubber)



XZ0023			
FITS	REPLACES	KNIFE HOLDER	
Zund	Z23	EOT/EOT-250/POT	
Colex	T00423	T00126	
Summa	500-9815	Oscillating	
CUT LENGTH	THICKNESS	SHANK	OVERALL
22mm	.63mm	4mm	33mm

## FLAT SINGLE EDGE BLADE

(Aramid fibre, carbon fibre, corrugated, rubber, fabric, leather, etc.)



XZ0026			
FITS	REPLACES	KNIFE HOLDER	
Zund	Z26	EOT/EOT-250/POT	
Kongsberg	BLD-SF426	MP/HF	
CUT LENGTH	THICKNESS	SHANK	OVERALL
8.7mm	.63mm	5.65mm	25mm

# FLAT KNIFE BLADES

## FLAT SINGLE EDGE BLADE

(Corrugated Cardboard, Foamboard, Foam, Ins. Mat, Honeycomb)



XZ0028			
FITS	REPLACES	KNIFE HOLDER	
Zund	Z28	EOT/EOT-250/POT	
Kongsberg	BLD-SF428	MP/HF	
Colex	T00425	T00126	
Summa	500-9814	Oscillating	
CUT LENGTH	THICKNESS	SHANK	OVERALL
26mm	.63mm	4mm	38mm

## FLAT SINGLE EDGE BLADE

(Corrugated Cardboard, Foamboard, Foam, Ins. Mat, Honeycomb)



XZ0029			
FITS	REPLACES	KNIFE HOLDER	
Zund	Z29	EOT/EOT-250/POT	
Kongsberg	BLD-SF429	MP/HF	
Colex	T00428	T00126	
CUT LENGTH	THICKNESS	SHANK	OVERALL
31mm	.63mm	5.65mm	43mm

## FLAT SINGLE EDGE BLADE

(Aramid Fiber, Carbon Fiber, Coroplast, Fabric, Leather, Rubber)



XZ0041			
FITS	REPLACES	KNIFE HOLDER	
Zund	Z41	EOT/EOT-250/POT	
CUT LENGTH	THICKNESS	SHANK	OVERALL
11.3mm	.63mm	4.4mm	25mm

# FLAT KNIFE BLADES

## FLAT SINGLE EDGE BLADE

(Aramid fibre, carbon fibre, corrugated, rubber, fabric, leather, etc.)



XZ0042			
FITS	REPLACES	KNIFE HOLDER	
Zund	Z42	EOT/EOT-250/POT	
Aristo	910.324	7085/7111	
CUT LENGTH	THICKNESS	SHANK	OVERALL
7.8mm	.63mm	5.5mm	28mm

## FLAT SINGLE EDGE BLADE

(Corrugated Cardboard, Fabric, Leather)



XZ0043			
FITS	REPLACES	KNIFE HOLDER	
Zund	Z43	EOT/EOT-250/POT	
CUT LENGTH	THICKNESS	SHANK	OVERALL
7.8mm	.63mm	6.3mm	28mm

## FLAT SINGLE EDGE BLADE

(Corrugated, Sandwich Board, Felt, Foamboard, Rubber, Leather Hide)



XZ0060			
FITS	REPLACES	KNIFE HOLDER	
Zund	Z60	EOT-250/POT	
MultiCam	K26	KH4	
CUT LENGTH	THICKNESS	SHANK	OVERALL
16.5mm	1.5mm	5.5mm	27mm



# FLAT KNIFE BLADES

## MAT-CUTTING BLADE 50°

(Matboard)



XZ0030			
FITS	REPLACES	KNIFE HOLDER	
Zund	Z30	PPT	
Kongsberg	BLD-SF230	VIBRA/HF/STATIC VARICUT	
CUT LENGTH	THICKNESS	SHANK	OVERALL
3.7mm	.63mm	3.3mm	14.3mm

## MAT-CUTTING BLADE 60°

(Matboard)



XZ0031			
FITS	REPLACES	KNIFE HOLDER	
Zund	Z31	PPT	
Kongsberg	BLD-SF231	VIBRA/STATIC VARICUT	
CUT LENGTH	THICKNESS	SHANK	OVERALL
5mm	.63mm	3.3mm	14.3mm

## MAT-CUTTING BLADE 52°

(Folding Carton, Paper, Vinyls)



XZ0033			
FITS	REPLACES	KNIFE HOLDER	
Zund	Z33	PPT	
Kongsberg	BLD-SF233	STATIC SE/VIBRA/STATIC VARI	
CUT LENGTH	THICKNESS	SHANK	OVERALL
5mm	.63mm	6.3mm	14.3mm

# FLAT KNIFE BLADES

**MAT-CUTTING BLADE 50°**  
(Matboard)



XZ0035			
FITS	REPLACES	KNIFE HOLDER	
Zund	Z35	PPT	
CUT LENGTH	THICKNESS	SHANK	OVERALL
12.5mm	.63mm	13mm	26mm

**V-CUT BLADE**  
(Fluted core boards, triple wall corrugated, etc.)



XEK570			
FITS	REPLACES	KNIFE HOLDER	
Kongsberg	BLD-DF570	FOAM HEAD/FOAM UNIT	
CUT LENGTH	THICKNESS	SHANK	OVERALL
16mm	1mm	FLAT	46mm

**V-CUT BLADE**  
(Falcon board, Xanita, foam board, triple wall, corrugated)



XK0340			
FITS	REPLACES	KNIFE HOLDER	
Colex	T00340	T00140	
CUT LENGTH	THICKNESS	SHANK	OVERALL
19mm	1mm	16mm	28mm

# FLAT KNIFE BLADES

## V-CUT BLADE

(Corrugated, sandwich board, foam board, foam, carpet)



XZ0070			
FITS	REPLACES	KNIFE HOLDER	
Zund	Z70	T75	
MultiCam	K70	KH1	
CUT LENGTH	THICKNESS	SHANK	OVERALL
27mm	.63mm	5.65mm	43mm

## V-CUT BLADE

(Corrugated honeycomb, cardboard, foamboard, Falconboard)



XZ0071-S			
FITS	REPLACES	KNIFE HOLDER	
Zund	X-EDGE CUSTOM	VCT	
MultiCam	X-EDGE CUSTOM	KH20	
Summa	X-EDGE CUSTOM	V-CUT TOOL	
CUT LENGTH	THICKNESS	SHANK	OVERALL
20mm	1mm	8mm	32mm

## V-CUT BLADE

(Corrugated, sandwich board, foam board, foam, carpet)



XZ0071			
FITS	REPLACES	KNIFE HOLDER	
Zund	Z71	VCT	
MultiCam	K71	KH20	
Summa	500-9826	V-CUT TOOL	
CUT LENGTH	THICKNESS	SHANK	OVERALL
38mm	1mm	8mm	50mm

# FLAT KNIFE BLADES

## WIDIA STYLE 50°

(Banner, Folding Carton, polypropylene, PVC, Soft Plastics)



XKM0023			
FITS	REPLACES	KNIFE HOLDER	
MultiCam	K23	KH3	
CUT LENGTH	THICKNESS	SHANK	OVERALL
4.8mm	1.5mm	8mm	35mm

## WIDIA STYLE 60°

(Film tarpaulin, polypropylene, PVC, vinyl banner, folding carton, etc.)



XKM0025			
FITS	REPLACES	KNIFE HOLDER	
MultiCam	K25	KH3	
CUT LENGTH	THICKNESS	SHANK	OVERALL
6.9mm	1.5mm	8mm	35mm

## WIDIA STYLE 50°

(Fabric, Folding Carton, Magnetic Foil, PVC)

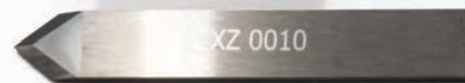


XK4050-D			
FITS	REPLACES	KNIFE HOLDER	
MultiCam	K22	KH3	
Kongsberg	BLD-DF112	HF/STATIC/VARICUT	
Aristo	910.301-S	4520/4550	
Colex	T00312	T00120	
Summa	500-9802	500-9313	
CUT LENGTH	THICKNESS	SHANK	OVERALL
4.8mm	1.5mm	8mm	30mm

# FLAT KNIFE BLADES

## WIDIA STYLE 50°

(Canvas, corrugated, hardfoam, vinyls, carton, banner, paper, etc.)



XZ0010			
FITS	REPLACES	KNIFE HOLDER	
Zund	Z10	SCT/UCT	
CUT LENGTH	THICKNESS	SHANK	OVERALL
4.8mm	1.5mm	8mm	50mm

## WIDIA STYLE 60°

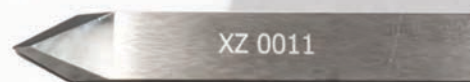
(Fabric, Folding Carton, Magnetic Foil, PVC)



XK4060-D			
FITS	REPLACES	KNIFE HOLDER	
MultiCam	K24	KH3	
Kongsberg	BLD-DF113	HF/STATIC/VARICUT	
Aristo	910.309-S	4520/4550	
Colex	T00313	T00120	
Summa	500-9803	500-9313	
CUT LENGTH	THICKNESS	SHANK	OVERALL
6.9mm	1.5mm	8mm	30mm

## WIDIA STYLE 60°

(Canvas, corrugated, hardfoam, vinyls, carton, banner, paper, etc.)



XZ0011			
FITS	REPLACES	KNIFE HOLDER	
Zund	Z11	SCT/UCT	
CUT LENGTH	THICKNESS	SHANK	OVERALL
6.9mm	1.5mm	8mm	50mm

# FLAT KNIFE BLADES

## WIDIA STYLE 60°

(Canvas, corrugated, hardfoam, vinyls, carton, banner, paper, etc.)



XZ0013			
FITS	REPLACES	KNIFE HOLDER	
Zund	Z13	SCT/UCT	
AXYZ	26082	Tangential	
Kongsberg	BLD-DF213	HDPH/Static Double	
CUT LENGTH	THICKNESS	SHANK	OVERALL
6.9mm	1.5mm	8mm	50mm

## DRAG KNIFE POINTED

(Carpet, Tarpaulin)



XZ0044			
FITS	REPLACES	KNIFE HOLDER	
Zund	Z44	SCT, UCT	
MultiCam	003612-MC44	KH3	
CUT LENGTH	THICKNESS	SHANK	OVERALL
14mm	1.5mm	8mm	50mm

## DRAG KNIFE POINTED

(Corrugated, foam board, foam, banner, polyester fabric, etc.)



XZ0046			
FITS	REPLACES	KNIFE HOLDER	
Zund	Z46	SCT/UCT	
Kongsberg	BLD-SF346	STATIC KNIFE/SE	
Aristo	4800.073-AR35	4570	
Summa	500-9807	500-9314	
CUT LENGTH	THICKNESS	SHANK	OVERALL
20mm	1.5mm	6mm	50mm

# FLAT KNIFE BLADES

## DRAG KNIFE POINTED

(Corrugated, foam board, foam, banner, polyester fabric, etc.)



XZ004620			
FITS	REPLACES	KNIFE HOLDER	
MultiCam	K20	KH4	
Kongsberg	BLD-SF246	STATIC KNIFE/SE	
CUT LENGTH	THICKNESS	SHANK	OVERALL
20mm	1.5mm	5.5mm	36mm

## DRAG KNIFE POINTED

(Foam, Foamboard, PVC, Styrene)



XK0330			
FITS	REPLACES	KNIFE HOLDER	
COLEX	T00330	T00139	
CUT LENGTH	THICKNESS	SHANK	OVERALL
19mm	1.5mm	8mm	36mm

# ROTARY KNIFE BLADES

## DECAGONAL (10-SIDED) BLADE

(Aramid fiber, carbon fiber, fabric, felt, leather, nylon fabric, paper, etc.)



XZ0050			
FITS	REPLACES	KNIFE HOLDER	
Zund	Z50	DRT/PRT	
MultiCam	003612-MC50-ROTARY	DRT	
Kongsberg	BLD-RC110	ROTACUT TOOL	
Colex	T00360	T00143	
Summa	500-9860	HT RM	
CUT LENGTH	THICKNESS	BORE	OVERALL
3.5mm	.6mm	8mm	25mm

## DECAGONAL (10-SIDED) BLADE

(Aramid fiber, carbon fiber, fabric, felt, leather, nylon fabric, paper, etc.)



XZ0051			
FITS	REPLACES	KNIFE HOLDER	
Zund	Z51	DRT/PRT	
MultiCam	003612-MC51-ROTARY	DRT	
Aristo	00000.7459	7031	
Summa	500-9861	HT RM	
CUT LENGTH	THICKNESS	BORE	OVERALL
5mm	.6mm	8mm	28mm



# ROTARY KNIFE BLADES

## ROUND WHEEL BLADE

(Aramid fiber, fabric, glass fiber.)



XZ0053			
FITS	REPLACES	KNIFE HOLDER	
Zund	Z53	DRT/PRT	
Aristo	00000.7263	7031	
CUT LENGTH	THICKNESS	BORE	OVERALL
2mm	.6mm	8mm	25mm

## ROUND WHEEL BLADE

(Fabric, Textiles)



XKM0046			
FITS	REPLACES	KNIFE HOLDER	
MultiCam	K46	KH13	
CUT LENGTH	THICKNESS	BORE	OVERALL
16mm	.6mm	8mm	45mm

# ROUND STOCK KNIFE BLADES

## VINYL DRAG BLADE

(Vinyls, magnetic foil, masking film, polycarb, cardstock)



XZ0001			
FITS	REPLACES	KNIFE HOLDER	
Zund	Z1	C2/C2P/KCM-S/KCT	
Kongsberg	BLD-KC101	KISSCUT/PRESSCUT	
CUT LENGTH	SHANK STYLE	SHANK DIA	OVERALL
1mm	ROUND	3mm	18.5mm

## WEDGE BLADE

(Foils, Magnetic Foil)



XKEC0030			
FITS	REPLACES	KNIFE HOLDER	
ECOCAM	E30	EOT/TCM	
CUT LENGTH	SHANK STYLE	SHANK DIA	OVERALL
2.5mm	ROUND	6mm	25mm

## WEDGE BLADE 30°

(Folding Carton, Leather, Paper, Polyester, Vinyls)



XESR6150			
FITS	REPLACES	KNIFE HOLDER	
Kongsberg	BLD-SR6150	HF/STATIC/STATIC VARICUT	
CUT LENGTH	SHANK STYLE	SHANK DIA	OVERALL
5mm	ROUND	6mm	25mm

## WEDGE BLADE 30°

(Folding Carton, Leather, Paper, Polyester, Vinyls)



XESR8170			
FITS	REPLACES	KNIFE HOLDER	
Kongsberg	BLD-SR8170	RM	
CUT LENGTH	SHANK STYLE	SHANK DIA	OVERALL
6.5mm	ROUND	8mm	40mm

# ROUND STOCK KNIFE BLADES

## WEDGE BLADE 40°

(Folding Carton, Leather, Paper, Polyester, Vinyls)



XESR6152			
FITS	REPLACES	KNIFE HOLDER	
Kongsberg	BLD-SR6152	HF/STATIC/STATIC VARICUT	
CUT LENGTH	SHANK STYLE	SHANK DIA	OVERALL
5mm	ROUND	6mm	25mm

## SHARP POINT SINGLE EDGE 40°

(Folding Carton, Leather, Paper, Polyester, Vinyls)



XESR8172			
FITS	REPLACES	KNIFE HOLDER	
Kongsberg	BLD-SR8172	RM	
CUT LENGTH	SHANK STYLE	SHANK DIA	OVERALL
4.5mm	ROUND	8mm	40mm

## WEDGE BLADE 50°

(Corrugated Cardboard, Felt, Film Tarpaulin, Folding Carton, Rubber)



XKEC0050			
FITS	REPLACES	KNIFE HOLDER	
MultiCam	K1	KH6/OSCILLATE	
ECOCAM	E50	EOT	
CUT LENGTH	SHANK STYLE	SHANK DIA	OVERALL
2.5mm	ROUND	6mm	25mm

## WEDGE BLADE 70°

(Corrugated Cardboard, Felt, Foils, Magnetic Foil, Rubber)



XKEC0070			
FITS	REPLACES	KNIFE HOLDER	
ECOCAM	E70	TCM	
CUT LENGTH	SHANK STYLE	SHANK DIA	OVERALL
8mm	ROUND	6mm	27mm

# ROUND STOCK KNIFE BLADES

## SHARP POINT SINGLE EDGE (Corrugated Cardboard)



XESR6223			
FITS	REPLACES	KNIFE HOLDER	
Kongsberg	BLD-SR6223	LS/MPHF/VIBRACUT	
CUT LENGTH	SHANK STYLE	SHANK DIA	OVERALL
12mm	ROUND	6mm	39mm

## SHARP POINT SINGLE EDGE (Corrugated Cardboard)



XESR6224			
FITS	REPLACES	KNIFE HOLDER	
Kongsberg	BLD-SR6224	LS/MPHF/VIBRACUT	
CUT LENGTH	SHANK STYLE	SHANK DIA	OVERALL
12mm	ROUND	6mm	39mm

## SHARP POINT SINGLE EDGE (Ejection Rubber, Rubber, Styrofoam)



XESR6303			
FITS	REPLACES	KNIFE HOLDER	
MultiCam	003612-MC6303	KH6/OSCILLATE	
Kongsberg	BLD-SR6303	LS/MPHF/VIBRACUT	
CUT LENGTH	SHANK STYLE	SHANK DIA	OVERALL
20mm	ROUND	6mm	39mm

## SHARP POINT SINGLE EDGE (Corrugated Cardboard)



XESR6310			
FITS	REPLACES	KNIFE HOLDER	
Kongsberg	BLD-SR6310	LS/MPHF/VIBRACUT	
CUT LENGTH	SHANK STYLE	SHANK DIA	OVERALL
20mm	ROUND	6mm	39mm

ROUND STOCK KNIFE BLADES

# ROUND STOCK KNIFE BLADES

## SHARP POINT SINGLE EDGE (Foam, Rubber)



XK3020-OCP			
FITS	REPLACES	KNIFE HOLDER	
MultiCam	X-EDGE CUSTOM	KH6/OSCILLATE	
AXYZ	X-EDGE CUSTOM	OSCILLATING	
ECOCAM	X-EDGE CUSTOM	EOT	
CUT LENGTH	SHANK STYLE	SHANK DIA	OVERALL
20mm	ROUND	6mm	39mm

## SHARP POINT SINGLE EDGE (Ejection Rubber, Rubber)



XESR6375			
FITS	REPLACES	KNIFE HOLDER	
Kongsberg	BLD-SR6375	LS/MP HF/VIBRACUT	
CUT LENGTH	SHANK STYLE	SHANK DIA	OVERALL
25mm	ROUND	6mm	39mm

## SHARP POINT SINGLE EDGE (Foam)



XESR6831			
FITS	REPLACES	KNIFE HOLDER	
Kongsberg	BLD-SR6831	FOAM HEAD	
CUT LENGTH	SHANK STYLE	SHANK DIA	OVERALL
80mm	ROUND	6mm	105mm

# ROUND STOCK KNIFE BLADES

## FLAT POINT SINGLE EDGE

(Coroplast, Corrugated Cardboard, Softfoam)



XK3020-OPF			
FITS	REPLACES	KNIFE HOLDER	
MultiCam	K90	KH6/OSCILLATE	
AXYZ	BT-57220	OSCILLATING	
Summa	500-9830	POT	
CUT LENGTH	SHANK STYLE	SHANK DIA	OVERALL
20mm	ROUND	6mm	39mm

## FLAT POINT SINGLE EDGE

(Coroplast, Foam, Honeycomb, Rubber Backed Carpet)



XK3035-OPF			
FITS	REPLACES	KNIFE HOLDER	
MultiCam	K96	KH6/OSCILLATE	
AXYZ	BT-57235	OSCILLATING	
CUT LENGTH	SHANK STYLE	SHANK DIA	OVERALL
35mm	ROUND	6mm	52mm

## FLAT POINT SINGLE EDGE

(Coroplast, Foam, Honeycomb, Rubber Backed Carpet)



XK3040-OPF			
FITS	REPLACES	KNIFE HOLDER	
MultiCam	K98	KH6/OSCILLATE	
AXYZ	BT-57240	OSCILLATING	
CUT LENGTH	SHANK STYLE	SHANK DIA	OVERALL
40mm	ROUND	6mm	56mm

# ROUND STOCK KNIFE BLADES

**FLAT POINT SINGLE EDGE**  
(Foam)



XK3090-OFP			
FITS	REPLACES	KNIFE HOLDER	
MultiCam	K104	KH6/OSCILLATE	
XYZ	BT-56290	OSCILLATING	
CUT LENGTH	SHANK STYLE	SHANK DIA	OVERALL
90mm	ROUND	6mm	105mm

**FLAT POINT SINGLE EDGE**  
(Foam)



XK3110-OFP			
FITS	REPLACES	KNIFE HOLDER	
MultiCam	K106	KH6/OSCILLATE	
XYZ	BT-572110	OSCILLATING	
CUT LENGTH	SHANK STYLE	SHANK DIA	OVERALL
110mm	ROUND	6mm	131mm

**FLAT POINT SINGLE EDGE**  
(Foam)



XK3120-OFP			
FITS	REPLACES	KNIFE HOLDER	
MultiCam	K108	KH6/OSCILLATE	
XYZ	BT-572120	OSCILLATING	
CUT LENGTH	SHANK STYLE	SHANK DIA	OVERALL
120mm	ROUND	6mm	141mm

ROUND STOCK KNIFE BLADES

# ROUND STOCK KNIFE BLADES

## ROUND POINT TIP CENTER

(Coroplast, Corrugated Cardboard, Folding Carton, Rubber, Softfoam)



XK3006-ORP			
FITS	REPLACES	KNIFE HOLDER	
MultiCam	K2	KH6/OSCILLATE	
XYZ	BT-57275	OSCILLATING	
Aristo	00000.7275	7553	
CUT LENGTH	SHANK STYLE	SHANK DIA	OVERALL
6mm	ROUND	6mm	36mm

## ROUND POINT TIP CENTER

(Coroplast, Corrugated Cardboard, Folding Carton, Rubber, Softfoam)



XK3010-ORP			
FITS	REPLACES	KNIFE HOLDER	
MultiCam	K4	KH6/OSCILLATE	
XYZ	BT-57267	OSCILLATING	
Aristo	00000.7267	7553	
CUT LENGTH	SHANK STYLE	SHANK DIA	OVERALL
10mm	ROUND	6mm	36mm

## ROUND POINT TIP CENTER

(Coroplast, Corrugated Cardboard, Folding Carton, Rubber, Softfoam)



XK3015-ORP			
FITS	REPLACES	KNIFE HOLDER	
MultiCam	K6	KH6/OSCILLATE	
XYZ	BT-57265	OSCILLATING	
Aristo	00000.7265	7553	
CUT LENGTH	SHANK STYLE	SHANK DIA	OVERALL
15mm	ROUND	6mm	36mm



# ROUND STOCK KNIFE BLADES

## ROUND POINT TIP CENTER

(Coroplast, Corrugated Cardboard, Folding Carton, Rubber, Softfoam)



XK3020-ORP			
FITS	REPLACES	KNIFE HOLDER	
MultiCam	K8	KH6/OSCILLATE	
AXYZ	BT-57269	OSCILLATING	
Summa	500-9834	POT	
CUT LENGTH	SHANK STYLE	SHANK DIA	OVERALL
20mm	ROUND	6mm	39mm

## ROUND POINT TIP CENTER

(Carpet, Coro, Coro. Cardboard, Foam, Foamboard, Sandwich Board)



XK3025-ORP			
FITS	REPLACES	KNIFE HOLDER	
MultiCam	K10	KH6/OSCILLATE	
AXYZ	BT-57268	OSCILLATING	
CUT LENGTH	SHANK STYLE	SHANK DIA	OVERALL
25mm	ROUND	6mm	46mm

## ROUND POINT TIP CENTER

(Carpet, Coro, Coro. Cardboard, Foam, Foamboard, Sandwich Board)



XK3030-ORP			
FITS	REPLACES	KNIFE HOLDER	
MultiCam	K12	KH6/OSCILLATE	
CUT LENGTH	SHANK STYLE	SHANK DIA	OVERALL
30mm	ROUND	6mm	46mm

# ROUND STOCK KNIFE BLADES

## ROUND POINT TIP OFFSET (Foam, Soft Rubber)



XK3050-ORP			
FITS	REPLACES	KNIFE HOLDER	
MultiCam	K13	KH6/OSCILLATE	
AXYZ	BT-572050	OSCILLATING	
ECOCAM	E85	EOT	
Summa	500-9835	POT	
CUT LENGTH	SHANK STYLE	SHANK DIA	OVERALL
50mm	ROUND	6mm	76mm

## ROUND POINT TIP OFFSET (Foam, Soft Rubber)



XK3065-ORP			
FITS	REPLACES	KNIFE HOLDER	
MultiCam	K14	KH6/OSCILLATE	
AXYZ	BT-572065	OSCILLATING	
CUT LENGTH	SHANK STYLE	SHANK DIA	OVERALL
65mm	ROUND	6mm	82mm

## ROUND POINT TIP OFFSET (Foam, Soft Rubber)



XK3070-ORP			
FITS	REPLACES	KNIFE HOLDER	
MultiCam	K77	KH6/OSCILLATE	
AXYZ	BT-57270	OSCILLATING	
ECOCAM	E87	EOT	
CUT LENGTH	SHANK STYLE	SHANK DIA	OVERALL
70mm	ROUND	6mm	86mm

# ROUND STOCK KNIFE BLADES

## ROUND POINT TIP OFFSET

(Foam, Soft Rubber)



XK3090-ORP			
FITS	REPLACES	KNIFE HOLDER	
MultiCam	K79	KH6/OSCILLATE	
XYZ	BT-57290	OSCILLATING	
CUT LENGTH	SHANK STYLE	SHANK DIA	OVERALL
90mm	ROUND	6mm	105mm

## ROUND POINT TIP OFFSET

(Foam, Soft Rubber)



XK3110-ORP			
FITS	REPLACES	KNIFE HOLDER	
MultiCam	X-EDGE CUSTOM	KH6/OSCILLATE	
XYZ	X-EDGE CUSTOM	OSCILLATING	
CUT LENGTH	SHANK STYLE	SHANK DIA	OVERALL
110mm	ROUND	6mm	131mm

## SINGLE SERRATED EDGE

(Corrugated Cardboard, Honeycomb, Paper)



XESR6352			
FITS	REPLACES	KNIFE HOLDER	
Kongsberg	BLD-SR6352	FH/FK/FU	
CUT LENGTH	SHANK STYLE	SHANK DIA	OVERALL
32mm	ROUND	6mm	53mm

# ROUND STOCK KNIFE BLADES

ROUND STOCK KNIFE BLADES

## SINGLE SERRATED EDGE

(Corrugated Cardboard, Honeycomb)



XKEC0038			
FITS	REPLACES	KNIFE HOLDER	
ECOCAM	W38	EOT	
CUT LENGTH	SHANK STYLE	SHANK DIA	OVERALL
35mm	ROUND	6mm	52mm

## SINGLE SERRATED EDGE

(Corrugated Cardboard, Honeycomb, Paper)



XKEC0060			
FITS	REPLACES	KNIFE HOLDER	
ECOCAM	W60	EOT	
Kongsberg	BLD-SR6551	F KNIFE/F HEAD/ F UNIT	
CUT LENGTH	SHANK STYLE	SHANK DIA	OVERALL
55mm	ROUND	6mm	73mm

## FLAT POINT DOUBLE EDGE

(Carpet, Coro, Coro. Cardboard, Foam, Foamboard, Sandwich Board)



XK3025D-O			
FITS	REPLACES	KNIFE HOLDER	
MultiCam	K92	KH6/OSCILLATE	
CUT LENGTH	SHANK STYLE	SHANK DIA	OVERALL
25mm	ROUND	6mm	41mm

## FLAT POINT DOUBLE EDGE

(Coroplast, Foam, Honeycomb, Rubber Backed Carpet)



XK3040D-O			
FITS	REPLACES	KNIFE HOLDER	
MultiCam	K112	KH6/OSCILLATE	
AXYZ	BT-56240	OSCILLATING	
CUT LENGTH	SHANK STYLE	SHANK DIA	OVERALL
40mm	ROUND	6mm	56mm

# ROUND STOCK KNIFE BLADES

## FLAT POINT DOUBLE EDGE

(Corrugated Cardboard, Foamboard)



XK3055D-O			
FITS	REPLACES	KNIFE HOLDER	
MultiCam	K114	KH6/OSCILLATE	
CUT LENGTH	SHANK STYLE	SHANK DIA	OVERALL
55mm	ROUND	6mm	71mm

## FLAT POINT DOUBLE EDGE

(Corrugated Cardboard, Foamboard)



XK3060D-O			
FITS	REPLACES	KNIFE HOLDER	
MultiCam	X-EDGE CUSTOM	KH6/OSCILLATE	
CUT LENGTH	SHANK STYLE	SHANK DIA	OVERALL
60mm	ROUND	6mm	76mm

## FLAT POINT DOUBLE EDGE

(Corrugated Cardboard, Foamboard)



XK3065D-O			
FITS	REPLACES	KNIFE HOLDER	
MultiCam	K116	KH6/OSCILLATE	
AXYZ	BT-56265	OSCILLATING	
CUT LENGTH	SHANK STYLE	SHANK DIA	OVERALL
65mm	ROUND	6mm	81mm

## FLAT POINT DOUBLE EDGE

(Corrugated Cardboard, Foamboard)



XK3070D-O			
FITS	REPLACES	KNIFE HOLDER	
MultiCam	K118	KH6/OSCILLATE	
CUT LENGTH	SHANK STYLE	SHANK DIA	OVERALL
70mm	ROUND	6mm	86mm

# ROUND STOCK KNIFE BLADES

## ROUND POINT TIP CENTER DUAL SIDE

(Cardboard, packing material, foam rubber, cork, etc.)



XKEC0012			
FITS	REPLACES	KNIFE HOLDER	
ECOCAM	E12	EOT/TCM	
CUT LENGTH	SHANK STYLE	SHANK DIA	OVERALL
12mm	ROUND	6mm	25mm

## ROUND POINT TIP CENTER DUAL SIDE

(Cork, Corrugated Cardboard, Foam rubber, Gasket)



XKEC0018			
FITS	REPLACES	KNIFE HOLDER	
ECOCAM	E18	EOT/TCM	
CUT LENGTH	SHANK STYLE	SHANK DIA	OVERALL
18mm	ROUND	6mm	26.5mm

## ROUND POINT TIP CENTER DUAL SIDE

(Cork, Corrugated Cardboard, Foam rubber, Gasket)



XKEC0025			
FITS	REPLACES	KNIFE HOLDER	
ECOCAM	E25	EOT/TCM	
CUT LENGTH	SHANK STYLE	SHANK DIA	OVERALL
25mm	ROUND	6mm	39mm

# ROUND STOCK KNIFE BLADES

## V-POINT DOUBLE EDGE 60°

(Thinner flexible or rigid materials like solid carton, vinyl, and plastics.)



XEDR6160			
FITS	REPLACES	KNIFE HOLDER	
Kongsberg	BLD-DR6160	HF/STATIC/STATIC VARICUT	
CUT LENGTH	SHANK STYLE	SHANK DIA	OVERALL
5mm	ROUND	6mm	25mm

## V-POINT DOUBLE EDGE 60°

(Cardstock, Forex, Gasket)



XEDR8160			
FITS	REPLACES	KNIFE HOLDER	
Kongsberg	BLD-DR8160	RM	
CUT LENGTH	SHANK STYLE	SHANK DIA	OVERALL
6mm	ROUND	8mm	40mm

## V-POINT DOUBLE EDGE 80°

(Cardstock, Forex, Gasket)



XEDR8180			
FITS	REPLACES	KNIFE HOLDER	
Kongsberg	BLD-DR8180	RM	
CUT LENGTH	SHANK STYLE	SHANK DIA	OVERALL
5mm	ROUND	8mm	40mm

# ACCESSORIES

High quality and highly balanced for minimum run-out to achieve the best cuts while maximizing the life of your spindle as well as your tooling.

## HSK STYLE TOOL HOLDERS

### FOR: HSK SPINDLE TAPER

PART NUMBER	TAPER SIZE	COLLET NUT SIZE	LENGTH
XTH-HSK-63	HSK63F	ER40	70mm
XTH-HSK-32	HSK32E	ER25	60mm
XTH-HSK-25	HSK25E	ER16	40mm



## ISO STYLE TOOL HOLDERS

### FOR: HDU, PLASTICS, WOOD

PART NUMBER	TAPER SIZE	COLLET NUT SIZE	LENGTH	PULL STUD
XTHISO-30-HSD	ISO30	ER32	50mm	HSD
XTHISO-30-COL	ISO30	ER32	50mm	COLOMBO



All standard X-Edge tool holders include the new "Sure Snap" collet nut, which allows for better tool shank grip.

## DRILL CHUCK TOOL HOLDERS

(Permanently mounted drill chuck tool holder for holding up to 1/2" shank drill bits)

### FOR: HOLDING DRILL BITS

PART NUMBER	TAPER SIZE	HOLDER	LENGTH
XDCISO-30	ISO30	Drill Chuck	100mm
XDCHSK-32	HSK32E	Drill Chuck	144.5mm
XDCHSK-63	HSK63F	Drill Chuck	145mm



**\*\*NOTE\*\***

All tool holder length is measured from spindle face to tool holder face with nut or chuck fully retracted.



# ACCESSORIES

## TITAN CHUCK

Extremely high clamping force of 1900 Nm with precision concentricity of  $>.003\text{mm}$  allowing for longer tool life as well as better edge quality. Balanced G2.5 @ 25,000 RPM Highly recommended when using diamond polishing tool. 10nM torque key included.

### HSK STYLE TITAN CHUCK HOLDERS

FOR: HSK SPINDLE TAPER			
PART NUMBER	TAPER SIZE	SHANK DIA	LENGTH
XTC-3212	HSK32E	1/2"	90mm
XTC-6312	HSK63F	1/2"	85mm
XTC-63100	HSK63F	1"	120mm



Reduction sleeves allow the TITAN chuck to hold smaller diameter tools beyond the 1/2" shank default.

### REDUCTION SLEEVES FOR TITAN CHUCK HOLDERS

FOR: HSK SPINDLE TAPER			
PART NUMBER	FITS	OD	REDUCES TO
XTS-18	XTC-6312, XTC-3212	1/2"	1/8"
XTS-14	XTC-6312, XTC-3212	1/2"	1/4"
XTS-38	XTC-6312, XTC-3212	1/2"	3/8"
XTS-06M	XTC-6312, XTC-3212	1/2"	6mm
XTS-10M	XTC-6312, XTC-3212	1/2"	10mm
XTS-12M	XTC-63100	1"	12mm

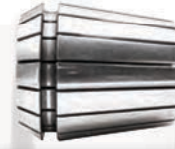


# ACCESSORIES

High precision spring collets made from spring steel and grounded internally & externally.

## ER40 COLLETS

(Balanced 0.0004" TIR)



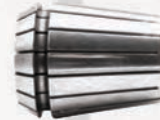
### FOR: ER40 COLLET NUTS

PART NUMBER	DIAMETER	STYLE
XER018-40	1/8"	ER40
XER316-40	3/16"	ER40
XER014-40	1/4"	ER40
XER038-40	3/8"	ER40
XER012-40	1/2"	ER40
XER058-40	5/8"	ER40
XER075-40	3/4"	ER40
XER078-40	7/8"	ER40
XER100-40	1"	ER40
XER003-40M	3mm	ER40
XER004-40M	4mm	ER40
XER006-40M	6mm	ER40
XER010-40M	10mm	ER40



## ER32 COLLETS

(Balanced 0.0004" TIR)



### FOR: ER32 COLLET NUTS

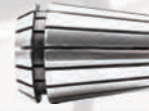
PART NUMBER	DIAMETER	STYLE
XER018-32	1/8"	ER32
XER316-32	3/16"	ER32
XER014-32	1/4"	ER32
XER038-32	3/8"	ER32
XER012-32	1/2"	ER32
XER058-32	5/8"	ER32
XER003-32M	3mm	ER32
XER004-32M	4mm	ER32
XER006-32M	6mm	ER32
XER010-32M	10mm	ER32



# ACCESSORIES

## ER25 COLLETS

(Balanced 0.0004" TIR)



### FOR: ER25 COLLET NUTS

PART NUMBER	DIAMETER	STYLE
XER116-25	1/16"	ER25
XER018-25	1/8"	ER25
XER316-25	3/16"	ER25
XER014-25	1/4"	ER25
XER038-25	3/8"	ER25
XER012-25	1/2"	ER25
XER058-25	5/8"	ER25
XER003-25M	3mm	ER25
XER004-25M	4mm	ER25
XER006-25M	6mm	ER25
XER010-25M	10mm	ER25



## ER16 COLLETS

(Balanced 0.0004" TIR)



### FOR: ER16 COLLET NUTS

PART NUMBER	DIAMETER	STYLE
XER018-16	1/8"	ER16
XER0316-16	3/16"	ER16
XER014-16	1/4"	ER16
XER038-16	3/8"	ER16
XER003-16M	3mm	ER16
XER004-16M	4mm	ER16
XER006-16M	6mm	ER16
XER010-16M	10mm	ER16



# ACCESSORIES

2 Position easy-to-use specialized torque wrenches for tightening tool holders to the correct ft/lb per collet size.

## TORQUE WRENCH

(Use with X-Station)



### FOR: TOOL HOLDER TIGHTENING

PART NUMBER	SIZE	FT/LB POSITIONS	COMPATIBLE STATION
XW-1000-ER40	ER40	88 & 147	XS-1010-63
XW-1000-ER32	ER32	51 & 95	XS-1020-30
XW-1000-ER25	ER25	40 & 66	XS-1010-32, XS-1020-25
XW-1000-ER16	ER16	21	XS-1010-25



Designed to hold your tool holder in place while you torque the collet nut to the appropriate torque setting. Using our CNC tool holder tightening station and wrench will allow you to tighten your tool holders to the correct torque spec for the collet used, leading to longer tool and spindle bearing life.



## X-STATION TIGHTENING STAND

### FOR: HOLDING TOOL HOLDERS

PART NUMBER	TAPER	COMPATIBLE WRENCH
XS-1010-63	HSK 63	XW-1000-ER40
XS-1010-32	HSK 32	XW-1000-ER25
XS-1010-25	HSK 25	XW-1000-ER16
XS-1020-30	ISO 30	XW-1000-ER32
XS-1020-25	ISO 25	XW-1000-ER25



TORQUE WRENCH / X-STATION

# ACCESSORIES

Specialized formulation of alcohol based misting fluid for the smoothest cutting of non-ferrous metals like aluminum, copper, and brass. Will not affect anodization or welding processes.

## LIQUID-X™ TOOL COOLANT

(Best when used with Viper series tooling)



### FOR: CUTTING ALUMINUM

PART NUMBER	SIZE	BASE
XL001	1 gallon	Alcohol
XL005	5 gallons	Alcohol



Unique blend of plant based products for a bio-degradable, non-toxic, misting fluid that won't irritate eyes or skin.

## ORGANIX™ TOOL COOLANT

(Best when used with Viper series tooling)



### FOR: CUTTING ALUMINUM

PART NUMBER	SIZE	BASE
XOM001	1 gallon	Vegetable



Proper care & maintenance is key to the longevity of your machine and tooling investments, as well as directly affecting your cut quality.

## NU-TOOL™ CLEANING SOLUTIONS

(Use with wiper kit for best results)



### FOR: TOOL HOLDER/TAPER/COLLET CLEANING

PART NUMBER	STEP	PURPOSE
XNU100P1	1	Rust & debris remover
XNU100P2	2	Protectant
XNU100	1&2	KIT Rust & debris remover & Protectant



2-part CNC tool holder and collet cleaning kit. Part 1 is a powerful cleaning solution for removing rust and debris from tool holders and collets. Part 2 is a specially formulated protectant that will deter rust and repel dust from your tool holders and collets.

# ACCESSORIES

Wiper kit contains 1 spindle taper wiper, 1 tool holder taper wiper, and 1 set of collet brushes to fit all standard size inch and metric collets



## WIPER KITS

### FOR: TOOL HOLDER/TAPER/COLLET CLEANING

PART NUMBER	FITS	TYPE
XWK1110-63	HSK 63	KIT
XWK1110-32	HSK 32	KIT
XWK1120-30	ISO 30	KIT

(Use with NU-TOOL™ Step 1 for most effective results)

Special MatriX Mat™ formulation and permeable design allows for vacuum to easily pull directly through, while also maintaining a high grip surface producing greater lateral holding power when cutting small parts. Also used as a sacrificial mat over MDF when using a knife system.

## 3MM MATRIX MAT™

### FOR: ENHANCED PART HOLDING/KNIFE SACRIFICIAL

PART NUMBER	THICKNESS	COLOR	SIZE
XMM6048-3	3mm	Lt Gray	60" x 48"
XMM60120-3	3mm	Lt Gray	60" x 120"
XMM60144-3	3mm	Lt Gray	60" x 144"



SPINDLE WIPER KIT / VACUUM ENHANCER

# MAINTENANCE

## COLLETS

There is a limited life to any colleting system and all collets should be replaced on a regular basis. Collets should be inspected and cleaned during each tool change and checked for any metal damage such as bellmouthing or inside burrs. If damage is visible, the collet should be discarded and replaced. Clean collets using collet brushes and a cleaning solution like NU-TOOL™. Keep in mind that for every .0001 over TIR (total indicator runout meaning how much out of balance) you lose 10% of your tool life. Not to mention suffered cut quality and shorter spindle life.

Collets can also be damaged without visible signs. The most common problem is metal fatigue. An easy way to see if metal fatigue has occurred is to insert the tool shank into the back of the collet and then try it in the front side. If the tightness is not the same both ways, then the collet is fatigued and should be discarded. One major cause of collet metal fatigue is from overtightening. A tool holder tightening stand and torque wrench should always be used.

The loss of gripping pressure is a natural occurrence over time simply from use, but it also happens from heat generated by the cutting tool and also the spindle. The constant heating and cooling of the collet causes the fatigue which in turn causes the collet to lose its gripping power.

Collets should be replaced every 2 to 3 months, based on an 8 hour work day. Replacing collets within the recommended time line will result in longer lasting tools, better cuts, and longer spindle service intervals.

Correct installation of the tool in the collet is of absolute importance. The tool must only be gripped on the shank part of the tool. Never should any part of the flute be inside the collet. The collet should be snapped into the nut before tightening or damage to the collet will occur.

## TOOL HOLDERS

Tool Holders such as ISO 30, HSK 63F, HSK32E, and HSK25 have additional mating tolerances higher than those of the older style tapers. Because of this, these style tool holders can be more prone to runout caused by resin buildup. "Fretting" or "bronzing" will cause inconsistent gripping in the taper and/or the flat mating surface and reduce consistency of tool life. If ignored, this will eventually cause premature spindle failure. The mating surfaces should be cleaned with NU-TOOL™ Part 1 and hand dried immediately afterwards. Apply NU-TOOL™ Part 2 to protect tool holders and collets from rusting. Tool holders should be replaced every 1-2 years depending on the amount of use.

A contamination-free toolholder and machine tool spindle interface ensures toolholders properly seat at full taper contact and are pulled into the spindle taper at maximum force. With holders held and positioned accurately, a machine's full power and tolerance capabilities can then effectively and safely transfer to cutting tools, while runout and vibration are reduced for superior part surface finish quality. Shops should clean and inspect tool holders and spindles after every job. Tool holders should be completely disassembled and cleaned.

# Full Line Catalog



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