

# REFERENCE GUIDE

## Knife Cutting Applications



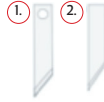
P/N	Name	Description
12-00121-FLO-024	KH1	Flat Shaft 0.65 x 5.6 mm Offset Blades
12-00121-FLO-024-4MM	KH2	Flat Shaft 0.65 x 4 mm Offset Blades
12-00121-FLC-060	KH3	Flat Shaft 1.5 x 8 mm Centered Blades
12-00121-FLO-060-5.5MM	KH4	Flat Shaft 1.5 x 5.5 mm Offset Blades
12-00121-KC-6MM	KH6	Round 6mm Shaft (Kiss Cut or Osc. Blades)
12-00121-CR-12MM	KH12	Creasing Wheels
12-00121-CB	KH13	Circular Blade 1 x 60 mm
12-00121-PW	KH15	Perforating Tool 1 x 60 mm
12-00121-ANG	KH20	Cut Multi Angle 0 (LSK), 15, 22.5, 30, 45°
12-00121-QC-DRT	KH21	Driven Rotary Wheel
12-00121-ANG-5-10	KH24	Multi-Angle 5°, 10°

KH1	KH2	KH3	KH4	KH6	KH12	KH13	KH15	KH20/ KH24
K18 (10 PK)	K66 (5 PK)	K24 (3 PK)	K20 (SINGLE)	INCLUDES (1) K28 & (2) K32 VINYL KNIVES	K40 (SINGLE)	K45	K54 (SINGLE)	K71 (SINGLE)
KH1 INCLUDED WITH MACHINE								



## KH1

The KH1 is included with your MultiCam and is designed to fit **Flat Shaft 0.65 x 5.6 mm Offset Blades.**



**1.) K18** - HSS Straight Back Blade - 50° - Shank 5.6mm Wide x 0.65 Thick - Flat Shank - 5.5mm Depth of Cut - Single Edge General Purpose Knife Blade **10 Pack (Included with Machine)**

*These single edge cutout blades are designed for general cutting through materials up to 5.5mm in depth. General Purpose - Banner - Cardstock - Corrugated - Styrene and other similar materials.*

**2.) K16** - Solid Carbide Straight Back Blade - 55° - Shank 5.6mm Wide x 0.65 Thick - Flat Shank - 5.5mm Depth of Cut - Single Edge - Flat - 5 Pack

*These single edge cutout blades are designed for general cutting through materials up to 5.5mm in depth. This solid carbide blade is designed to retain its sharp edge 2-3x longer than High Speed steel K18. General Purpose - Banner - Cardstock - Corrugated - Styrene and other similar materials.*

## KH2

The KH2 is designed to fit **Flat Shaft 0.65 x 4 mm Offset Blades.**



**1.) K68** - Solid Carbide Straight Back Blade - 65°/85° - Shank 4mm Wide x 0.65 Thick - 13mm Depth of Cut - Single Edge - 5 Pack

*Fine drag blade with nominal overcut; designed to cut small radii and intricate detail. Corrugated Boards - Rubber Fabric - Soft & Hard Foams - Corrugated & Flexible Plastics*

**2.) K64** - Solid Carbide Straight Back Blade - 65°/85° - Shank 4mm Wide x 0.65 Thick - 10mm Depth of Cut - Single Edge - 5 Pack

*Fine drag knife with minimal overcut; designed to cut small radii and intricate detail. Corrugated Boards - Rubber Fabric - Soft & Hard Foams - Corrugated & Flexible Plastics*

**3.) K66** - Solid Carbide Straight Back Blade - 65°/85° - Shank 4mm Wide x 0.65 Thick - 13mm Depth of Cut - Single Edge - 5 Pack (K66 - 5 pack included with KH2 purchase)

*Very fine drag knife with least overcut; K66 is a very thin blade that provides the least amount of overcut when compared to the K68 which is a physically larger blade. Backup support is provided by Multicam direct. designed to cut small radii and intricate detail. Corrugated Boards - Rubber Fabric - Soft & Hard Foams - Corrugated & Flexible Plastics*

## KH3

The KH3 is designed to fit **Flat Shaft 1.5 x 8 mm Centered Blades.**



**1.) K22** - Solid Carbide Dual Edge Widia Blades - 50° Cut Angle - 20° Wedge - Shank 1.5mm x 8mm - 4.8mm Depth of Cut - 3 Pack

*Dual edge allows for twice the amount of cutting than a single blade and with this 50° angle of cut the K22 can aggressively slice through a wide variety of materials at high feed rates. Folding Carton - Plastics - Foil - PVC - Textile Fabrics*

**2.) K24** - Solid Carbide Dual Edge Widia Blades - 60° Cut Angle - 20° Wedge - Shank 1.5mm x 8mm - 6.9mm Depth of Cut - 3 Pack (K24 - 3 pack included with KH3 purchase)

*Dual edge allows for twice the amount of cutting than a single blade and with this 60 degree angle not only adds to depth of cut from K22 but still can aggressively slice a wide variety of materials at high feed rates. Folding Carton - Plastics - Foil - PVC - Textile Fabrics*

**3.) K23** - Solid Carbide Straight Back Blade - 35mm Overall Length x 50° - Shank 1.5mm x 8mm - 4.8mm Depth of Cut

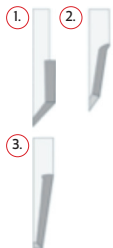
*Same great cutting ability as K22 but straight back allows for cut back operations where no overcut is needed. Film - Soft Plastics - Polypropylene - PVC - Banner - Folding Carton - Foamed PVC - PS - Polyester Fabric*

**4.) K25** - Solid Carbide Straight Back Blade - 35mm Overall Length x 60° - Shank 1.5mm x 8mm - 6.9mm Depth of Cut

*Same great cutting ability as K24 but straight back allows for cut back operations where no overcut is needed. Film Tarpaulin - Polypropylene - PVC - Vinyl Banner - Folding Carton - Foamed PVC - Polyester Fabric*

## KH4

The KH4 is designed to fit **Flat Shaft 1.5 x 5.5 mm Offset Blades.**



**1.) K20** - Solid Carbide 1.5mm x 5mm Flat Shaft - Straight Back Blade - Combo Profile 45°+90° - 20mm Depth of Cut

*This combination profile and thickness of blade is one of the best all around drag blades for cutting thicker than 6mm materials. Foamed PVC - PS - Soft Foam Board (PUR)*

**2.) K26** - Solid Carbide 1.5mm x 5mm Flat Shaft - Straight Back Blade - Combo Profile 55° x 2.8mm Tip/81.5° - 16.5mm Depth of Cut

*Similar to K68 for fine drag blade cutting with nominal overcut but with 1.5mm blade thickness provides K26 with rigidity from flexing in denser materials. Folding Carton - Solid Cardboard - Rubber - Soft Foam Board (PUR) - Foam Material - Foam Rubber - Felt - Leather - Polyester Fabric - Composite Panels - Sandwich Panel - Thin Wall Sheet*

**3.) K27** - Solid Carbide 1.5mm x 5mm Flat Shaft - Straight Back Blade - Combo Profile 5° x 2.8mm Tip/81.5° - 20mm Depth of Cut

*Similar to K26 with 1.5mm blade thickness and fine drag blade cutting but blunt tip provides better bottom cutting on thick fibrous materials. Folding Carton - Solid Cardboard - Rubber - Soft Foam Board (PUR) - Foam Material - Foam Rubber - Felt - Leather - Polyester Fabric - Composite Panels - Sandwich Panel - Thin Wall Sheet*

The 1.5mm thick blades provide rigidity from blade flex when doing high feed rate cuts or detail cuts on denser materials like soft plastic.

## KH6

### The KH6 is designed 6 mm Kiss Cut Adapter & 6 mm Round Shank Blades.

Accuracy in the cutting depth is essential. The variable pressure of this Kiss-Cut Holder/Blade permits precise cutting of foils without damaging the liner material. This insert can easily be set up to be a dual cutter of top liner and then using a different Z depth will also do cutout shapes of both liner and backing material.



Vinyl knife adapter with starter pack of vinyl knives and accessories included with KH6 purchase.



**1.) K28** - Solid Carbide - Type 1 - 3mm Round Shank (Fits in Insert, 6mm Shank) - 40°/40° - Single Edge Blade - 10 Pack  
*Kiss cut applications in vinyls. For detailing work, like small letter cut outs.*

**2.) K32** - Solid Carbide - Type 3 - 3mm Round Shank (Fits in Insert, 6mm Shank) - 40°/30° - Dual Edge Blade - 10 Pack  
*For thinner adhesive vinyl on letters 1 inch and taller.*

**3.) K34** - Solid Carbide - Type 4 - 3mm Round Shank (Fits in Insert, 6mm Shank) - 26°/54° - Single Edge Blade - 10 Pack  
*Stencil blade for thicker material.*

**4.) K36** - Solid Carbide - Type 5 - 3mm Round Shank (Fits in Insert, 6mm Shank) - 30°/30° - Dual Edge Blade - 10 Pack  
*For thinner adhesive vinyl on letters 1 inch and taller.*

**All blades 1-4 are used with Foils & Vinyls.**

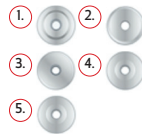


KH6 holder can also use 6mm round shank blades that come in a large variety of lengths and multiple styles. See Oscillating Cutting Knife Blades section on the MultiCam website, visit <https://www.multicamtooling.com>.

## KH12

### The KH12 is designed to fit Creasing Wheel Options.

This creasing wheel holder is designed for processing double and triple-wall corrugated cardboard. This holder and its creasing wheel options provides high-quality creases with and against the corrugation.



**1.) K42** - Creasing Wheel - For 4pt. Folded Carton

**2.) K40** - Creasing Wheel  
*For Corrugated Cardboard. R 1.5, F and E-Flute. One (1) K40 wheel included with KH12 purchase.*

**3.) K41** - Creasing Wheel  
*For Corrugated Cardboard. R 3.3, B and BC-Flute*

**4.) K39** - Creasing Wheel  
*For Corrugated Cardboard. R 7.0, C-Flute*

**5.) K43** - Creasing Wheel  
*100° Double Crease Wheel, 0.6mm*

## KH13

### The KH13 is designed to fit Rotary Blade Options.

This Rotary wheel holder is an ideal holder/ rotary blade combination, and is excellent for cutting medium density foams and insulation. The driven rotary blade permits high processing speeds.



**1.) K46** - Solid Carbide Rotary Blade - 45mm Diameter x 8mm Bore x 1mm Kerf. 16mm Depth of Cut

**2.) K45** - Solid Carbide Rotary Blade - 60mm Diameter x 8mm Bore x 1mm Kerf. 24mm Depth of Cut  
*One (1) K45 wheel included with KH13 purchase.*

## KH20

### The KH20 is V-Cut Holder designed to utilize Angled Blade types.

The V-Cut holder is an excellent tool for producing complex 3D structural designs with materials such as corrugated/honeycomb display board and foamcore. The tool's well thought-out design makes for quick tool changes and simple, precise angle settings.











**1.) K71** - Solid Carbide 0°, 15°, 30°, 45° Blade for VCut Holder - 1mm x 8mm Flat Shaft - 50mm Overall Length - Max cutting depth based on angle.  
*One (1) K71 blade included with KH20 purchase.*

# KH15

## The KH15 is designed to fit **Perforating Wheel Blade Combinations.**

This Perforating wheel holder is the ideal holder/perforating blade combination, and is excellent for creating precise perforations. Perforating Blades are 1mm x 60mm x 8mm Bore x various teeth per inch.



- 1.)  **1.) K50** - Solid Carbide Perforating Wheel Blade  
25 TPI. For Vinyls
- 2.)  **2.) K51** - Solid Carbide Perforating Wheel Blade  
17 TPI. For Vinyls
- 3.)  **3.) K52** - Solid Carbide Perforating Wheel Blade  
13 TPI. For Solid Board - Cardstock
- 4.)  **4.) K53** - Solid Carbide Perforating Wheel Blade  
8 TPI. For Solid Board - PP - Cardstock
- 5.)  **5.) K54** - Solid Carbide Perforating Wheel Blade  
4 TPI. For Corrugated Fiberboard - (1) One K54 included with KH15 purchase
- 6.)  **6.) K55** - Solid Carbide Perforating Wheel Blade  
3 TPI. For Corrugated Fiberboard
- 7.)  **7.) K56** - Solid Carbide Perforating Wheel Blade  
2 TPI. For Corrugated Fiberboard
- 8.)  **8.) K57** - Solid Carbide Perforating Wheel Blade  
1.5 TPI. For Corrugated Fiberboard

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