

PREMIUM

FINGER JOINT CUTTERS

**ADVANCED MANUFACTURING METHODS
INCREASE FINGER JOINT CUTTER PERFORMANCE**

Proven Finger Joint Leader

Wisconsin Knife Works (WKW) patented the first finger joint cutter in 1929 and has been the proven industry leader in finger joint technology since then. A vast array of cutters in high-speed steel, carbide tipped, solid carbide, OPTI® and the NEW Badger coated cutters has increased production output worldwide. Applications include soft woods, hardwoods, abrasive woods and/or man-made wood products. WKW will manufacture standard or specially designed finger joint cutters that will outperform any other cutters on the market.

The Best Just Got Better

WKW's basic finger joint cutter design has remained unchanged for 75 years, and the same circle bit cutter design is the most widely requested production finger joint tooling to date. But, that doesn't stop WKW from continuously improving the manufacturing process to produce the ultimate cutters. In turn, this offers users additional quality improvements and;

- longer cutter life
- increased accuracy in the joint
- longer runs, reduced changeovers
- stronger, more consistent joints
- increased profits for you

Advanced Manufacturing Techniques

WKW found that by adding a final, special lapping process to the already precision ground cutters that a super flat surface finish is obtained. The benefits of this additional procedure offers the greatest accuracy available from any process including a tighter thickness tolerance (.0001). This provides more accurate joints, virtually eliminates any cutter position movement, and the range of balance tolerance with all cutters has dramatically improved.

In addition, WKW has also re-engineered the original gullet designed in the cutters to include a wider configuration to allow for a much improved chip removal, maximum strength in the cutter itself and more clearance for grinding.

All together, WKW is proud to offer you the absolute best, premium finger joint cutters on the market.



Wisconsin Knife Works, Inc.



FROM 4MM TO 1-1/8"
**Wisconsin Knife Works Can
Satisfy Your Requirements**
SATISFACTION GUARANTEED

WKW offers the broadest line of finger joint cutters. 4mm and 5mm sizes are becoming more common in non-structural applications such as millwork, mouldings, trim, door and window components. On the other end of the spectrum WKW offers proven 7/8" and 1-1/8" finger joint cutters used in laminated and I-beam applications where finger joint strength is closely monitored.

FINGER JOINT MATERIALS AVAILABLE

HIGH SPEED STEEL (HSS)

WKW prefers to furnish customers with A.I.S.I. M-2 because it is especially well suited for natural woods. M-2 steel exhibits excellent wear resistance, ease of grinding and superior cutting edge retention.

OPTI®

The OPTI patented process produces an ultra hard surface on the cutter that will not chip, peel or flake off. Used primarily for natural woods and can produce run times up to three times longer between sharpenings, as compared to conventional HSS cutters.

CARBIDE, CARBIDE TIPPED

Solid carbide and carbide tipped finger joint cutters are perfect for those extremely abrasive natural woods and man-made materials such as LVL (laminating veneer lumber), plywoods, particleboard, MDF, and other wood products containing glues or other non-wood products.

NEW BADGER COATED

Finger Joint cutters treated with the Badger coating process are being used in both hard and soft wood applications. Customers have reported dramatic improvements in extended cutter life, the ability to switch from a hardwood application to a softwood application without getting ragged edges, and the cutters grind easy and are easy to maintain.

Finger joint cutters from Wisconsin Knife Works are available in a variety of joint configurations. Please contact WKW for assistance in determining the correct solution to your unique finger jointing application.



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