

Product Catalog

KWS

A M E R I C A

Premium Tools
for **Demanding**
Professionals



SUCCESSFUL
RESALE



ACCESSIBLE
STOCK



DISTRIBUTION
AND SUPPORT





About KWS

KWS is a global manufacturer specializing in high-performance cutting tools. With over 20 years of continuous innovation, we develop precision-engineered solutions for the woodworking and furniture manufacturing industries. Our tools are recognized worldwide for their durability, structural strength, and cutting efficiency – delivering consistent performance and reliability for demanding professional applications.

Advanced Engineering & Manufacturing

KWS invests continuously in state-of-the-art production equipment and advanced manufacturing technologies. Strict quality control procedures are implemented throughout every stage of production to ensure precise cutting tolerances and consistent product performance. Our vertically integrated manufacturing structure allows full control over material processing, heat treatment, balancing, and final inspection.



Technology Advantages

Proprietary Alloy Materials

Specially engineered steel formulations designed to enhance wear resistance, cutting stability, and structural integrity.

Advanced Heat Treatment

Controlled heat treatment processes that significantly increase hardness, durability, and service life.

Precision Electronic Balancing

High-accuracy balancing reduces vibration, improves cut quality, and increases operational efficiency.

+20

Years of Industry Experience.

+100

Countries Served Worldwide.

+2000

Production Equipment Units.

+110.000m²

(1.18 million sq. ft.) Manufacturing Area (2 Manufacturing Facilities).

KWS America – Official U.S. Distribution

KWS America serves as the official representative and distributor of KWS products in the United States.

With dedicated inventory, technical support, and efficient logistics, KWS America ensures reliable product availability and responsive service to the U.S. market.





SAW BLADES

Table of Contents

Saw Blade

120mm Scoring Saw Blade

KWS-BLD-SCORING-BLADE

10" Circular Saw Blade

KWS-BLD-SAW-BLADE-250D80T30B

12" Universal Saw Blade

KWS-BLD-MAIN-BLADE

14" Circular Saw Blade

KWS-BLD-SAW-BLADE-350D28T30B



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120mm Scoring Saw Blade

Achieve clean, chip-free cuts on laminated panels with the KWS Tools 120mm Scoring Saw Blade. Designed with 24 sharp teeth and a 20mm bore, this blade ensures precision and smooth scoring for professional-grade results. Ideal for track saws and panel processing, the K5 grade blade delivers durability and superior performance.

Ideal for Cutting



Technical Specifications

ID	KWS-BLD-SCORING-BLADE
Diameter	120mm
Bore	20mm
Teeth	24
Grade	K5
Suitable for	Laminated panels, MDF, veneered panels, chipboard, etc.

Compatible Equipment



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10" Circular Saw Blade

Meet the Black-line Series – the professional's choice for precision woodworking. This 10-inch TCT saw blade features 80 triple-chip grind teeth and a K5+ carbide grade, delivering exceptionally clean cuts in wood and panels. Engineered with German technology and a 30mm bore, it combines a thin 3.2mm kerf for efficiency with maximum durability. Ideal for table saws and sliding miter saws. ISO 9001 certified and trusted in 68 countries.

Ideal for Cutting



MDF



Particle Board



Plywood



Particle Board



General Wood



Copper



Brass



Aluminum



Plastic

Technical Specifications

ID	KWS-BLD-SAW-BLADE-250D80T30B
Diameter	10" (250mm)
Bore	30mm
Teeth	80
Grade	K5+
Suitable for	Solid wood, MDF, plywood, laminated panels, particle board, etc.

Compatible Equipment



Miter Saw



Table Saw



Benchtop Saw



Panel Saw



Handheld Saw



For more information about this product, additional options, and related references, visit our website!

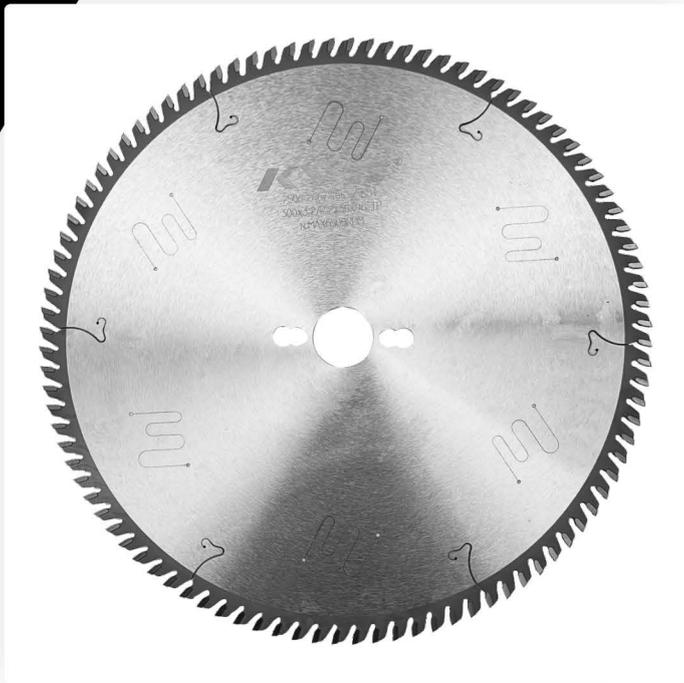


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12" Universal Saw Blade

Get clean, precise cuts in wood and panel materials with the KWS Tools 12-inch circular saw blade. Featuring 96 carbide teeth and a 30mm bore, this professional-grade blade is engineered for exceptional durability and a smooth finish. Upgrade your tool's performance—add this high-quality blade to your workshop today.

Ideal for Cutting



Technical Specifications

ID	KWS-BLD-MAIN-BLADE
Diameter	12" (300mm)
Bore	30mm
Teeth	96
Grade	K5+
Suitable for	Solid wood, MDF, plywood, laminated panels, particle board, etc.

Compatible Equipment



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14" Circular Saw Blade

Engineered for speed and efficiency, the KWS Tools 14-inch circular saw blade is built specifically for ripping wood. With 28 robust teeth and a 30mm bore, it powers through lumber with ease, reducing strain on your saw. Get the clean, aggressive cuts you need for your woodworking projects. Trust the K5+ grade for professional results.

Ideal for Cutting



Technical Specifications

ID	KWS-BLD-SAW-BLADE-350D28T30B
Diameter	14" Saw Blade
Bore	30mm
Teeth	28
Grade	K5+
Suitable for	Solid wood, softwood, hardwood, and rough cutting applications.

Compatible Equipment



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TIPS

How to Properly Adjust Your Saw Blade



1. Alignment (Blade Position)

- The blade must be perpendicular to the table and parallel to the fence travel.
- There should be no tilt or lateral misalignment.
- How to check: use a precision square and measure the distance between the blade and the fence at the front and back of the blade.



2. Blade Height

- Adjust according to the thickness of the material.
- Benefits: cleaner cuts, reduced motor strain, and improved safety.
- Reference: keep approximately 1/8 inch (3 mm) of tooth above the material surface.



3. Tension / Blade Installation

- Clean the flanges, arbor, and nut; install the blade in the correct rotation direction.
- Tighten securely (without overtightening) to prevent vibration and noise.
- If vibration persists: stop the machine, reinstall the blade, and check for warping or improper tightening.



4. Rip Fence Adjustment

- Ensure locks and screws are tight with no play.
- Make a short test cut to confirm there is no deviation.
- The fence must remain parallel to the blade and table to prevent material binding.



5. Safety – Power

- Turn off and unplug the machine before making any adjustments or blade changes.



6. Safety – PPE & Accessories

- Wear safety glasses, hearing protection, and a dust mask.
- Use push sticks and featherboards when applicable.



7. Blade Condition

- Do not use a blade with damaged teeth, cracks, or warping.
- Warning signs such as discoloration (blueing), noise, or persistent vibration indicate the need for replacement or professional sharpening.

Images for illustrative purposes only.



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HINGE BITS

Table of Contents

Hinge Bits

8mm Hinge Drill Bit for Precision Boring

KWS-BIT-301008

35mm Hinge Drill Bit for European Hinges

KWS-BIT-203351



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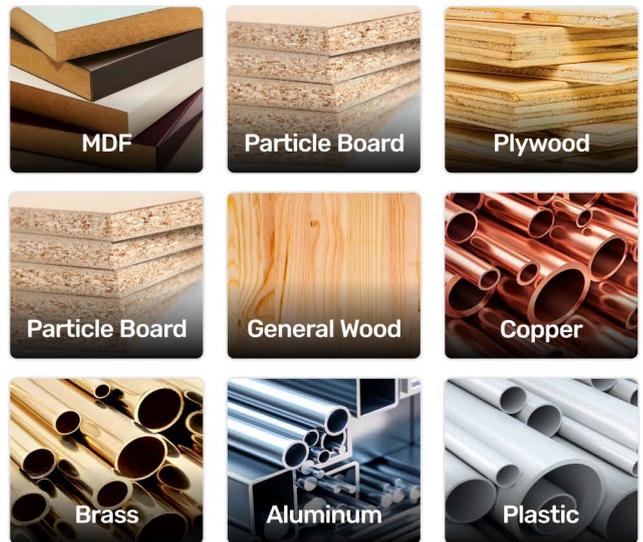
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35mm Hinge Drill Bit for European Hinges

The KWS K5+ Series Hinge Drill Bit delivers professional precision for installing European-style hinges. With a 35mm diameter, 70mm cutting height, and 10mm shank, this carbide-tipped bit creates clean, accurate boreholes for cabinet hinges in seconds. The specialized radius base design ensures perfect fit and prevents tear-out. Engineered with German technology and built to last, this hinge bit is ideal for carpenters, cabinet makers, and woodworking professionals seeking efficiency and flawless results.

Ideal for Cutting



Technical Specifications

ID	KWS-BIT-203351
Cutting Diameter	35 mm
Total Length	70 mm
Shank Diameter	10 mm
Rotation	Right (clockwise rotation)
Ideal for	MDF / Particle Board
Material	High-strength steel with anti-wear treatment

Compatible Equipment



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8mm Hinge Drill Bit for Precision Boring

The KWS Hinge Drill Bit (Model KWS-BIT-301008) delivers exceptional precision for specialized hinge installation and woodworking applications. Featuring an 8mm diameter, 27mm cutting height, and robust 10mm shank, this professional-grade bit creates clean, accurate boreholes for various hardware installations. The right-hand rotation design ensures stable performance in drill presses and handheld tools alike.

Ideal for Cutting



Technical Specifications

ID	KWS-BIT-301008
Cutting Diameter	8 mm
Total Length	27 mm
Shank Diameter	10 mm
Rotation	Right (clockwise rotation)
Ideal for	Precision hinge installation, cabinet hardware, woodworking projects
Material	High-strength steel with anti-wear treatment

Compatible Equipment



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CNC BITS

Table of Contents

CNC Bits

2-1/2" 3-Flute CNC Spoilboard Surfacing Bit

KWS-BIT-RC-2255-M

1/2" Inch Ball Nose Router Bit for 2D & 3D Carving

KWS-BIT-46495

1/2" Solid Carbide Mortise Compression Spiral Router Bit

KWS-BIT-46354

1/2" Solid Carbide Spiral Plunge Router Bit

KWS-BIT-46206-K

1/4" Extra Long Ball Nose CNC Router Bit

KWS-BIT-46490

1/4" Solid Carbide Compression Spiral Router Bit

KWS-BIT-46037

1/4" Solid Carbide Spiral Plunge Router Bit

KWS-BIT-46202-K

3/8" Inch Ball Nose CNC Router Bit for 2D & 3D Carving

KWS-BIT-46491

3/8" Compression Spiral Router Bit

KWS-BIT-46709-K

3/8" Solid Carbide Spiral Plunge Router Bit

KWS-BIT-46420-K



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2-1/2" CNC Router Bit 3 Flutes

Professional-grade CNC router bit designed for high-performance machining in woodworking, cabinetry, and composite materials. Featuring a 2-1/2" (63.5mm) diameter and 53/64" (21mm) cutting length with a robust 12mm shank, this 3-flute carbide bit delivers exceptional material removal rates and superior finish quality. The optimized geometry ensures smooth operation at high RPMs, making it ideal for CNC routers in industrial applications.



Technical Specifications

ID:	KWS-BIT-RC-2255-M
Cutting Diameter:	2-1/2" (63.5mm)
Cutting Height:	21mm
Shank Diameter:	12mm
Overall Length:	66mm
Flutes:	3 Tungsten Carbide Inserts
Applications:	Spoilboard surfacing, planing, slab leveling, fly cutting
Material:	Heavy-duty steel body with carbide inserts

Ideal for Cutting



Compatible Equipment



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1/2" Inch Ball Nose Router Bit for 2D & 3D Carving

Ball Nose CNC Router Bit is engineered for precision 2D and 3D carving applications. With a 0.10° straight angle ball tip and a 2-1/4" cutting length, this solid carbide bit delivers smooth contours and intricate details in wood, plastics, and composite materials. The triple-flute design ensures efficient chip evacuation and extended tool life, making it ideal for sign making, mold making, and decorative carving.

Ideal for Cutting



Technical Specifications

ID:	KWS-BIT-46495
Cutting Diameter:	1/2" (12.7mm)
Cutting Length:	2-1/4" (57.2mm)
Shank Diameter:	1/2" (12.7mm)
Overall Length:	4" (101.6mm)
Flutes:	3T (Triple-flute)
Tip Angle:	0.10° Straight Angle Ball Tip
Material:	Solid Carbide with Titanium Coating
Applications:	2D/3D carving, sign making, mold making, decorative work

Compatible Equipment



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1/2" Solid Carbide Mortise Compression Spiral Router Bit

Mortise Compression Spiral Router Bit delivers professional-grade performance for CNC mortising and joinery applications. Featuring a specialized compression spiral design that combines up-cut and down-cut action in a single bit, this tool eliminates tear-out on both the top and bottom surfaces of materials. With a 1/2" diameter and 1-1/4" cutting length, this solid carbide bit ensures clean, precise cuts in plywood, laminated panels, and composite materials - making it ideal for furniture making, cabinet construction, and precision woodworking.

Ideal for Cutting



Technical Specifications

ID:	KWS-BIT-46354
Cutting Diameter:	1/2" (12.7mm)
Cutting Length:	1-1/4" (31.75mm)
Shank Diameter:	1/2" (12.7mm)
Overall Length:	3" (76.2mm)
Flutes:	2T Compression Spiral
Material:	Solid Carbide with Anti-Friction Coating

Compatible Equipment



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1/2" Solid Carbide Spiral Plunge Router Bit

The KWS K5+ Series Hinge Drill Bit delivers professional precision for installing European-style hinges. With a 35mm diameter, 70mm cutting height, and 10mm shank, this carbide-tipped bit creates clean, accurate boreholes for cabinet hinges in seconds. The specialized radius base design ensures perfect fit and prevents tear-out. Engineered with German technology and built to last, this hinge bit is ideal for carpenters, cabinet makers, and woodworking professionals seeking efficiency and flawless results.

Ideal for Cutting



Compatible Equipment



Technical Specifications

ID:	KWS-BIT-46206-K
Cutting Diameter:	1/2" (12.7mm)
Cutting Length:	1-1/4" (31.75mm)
Shank Diameter:	1/2" (12.7mm)
Overall Length:	3" (76.2mm)
Flutes:	2T Down Cut Spiral
Rotation:	Right (Clockwise)
Material:	Solid Carbide with Anti-Friction Coating
Applications:	CNC routing, laminated materials, veneers, plywood, composite panels

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1/4" Extra Long Ball Nose CNC Router Bit

Extra Long Ball Nose CNC Router Bit is engineered for precision 2D and 3D carving applications requiring extended reach. Featuring a 1/4" ball tip with 1/2" cutting length and solid carbide construction, this triple-flute bit delivers smooth, detailed contours in wood, plastics, and composite materials. The titanium coating reduces friction and extends tool life, making it ideal for deep cavity molds, intricate signage, and complex decorative carvings where precision and durability are essential.

Ideal for Cutting



Compatible Equipment



Technical Specifications

ID:	KWS-BIT-46490
Cutting Diameter:	1/4" (6.35mm)
Cutting Length:	1/2" (12.7mm)
Shank Diameter:	1/4" (6.35mm)
Overall Length:	4" (101.6mm)
Flutes:	3T (Triple-flute)
Material:	Solid Carbide with Titanium Coating
Applications:	Deep 3D carving, mold making, intricate signage, decorative engraving



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1/4" Solid Carbide Compression Spiral Router Bit

Solid Carbide Compression Spiral Router Bit delivers professional performance for CNC applications requiring pristine edges on both sides of the material. Featuring a specialized compression spiral design that combines up-cut and down-cut action, this 1/4" diameter bit eliminates tear-out on both the top and bottom surfaces of laminated panels, plywood, and composite materials. With a 1" cutting length and solid carbide construction, it's ideal for precision cabinet making, sign production, and fine woodworking where flawless edges are essential.

Ideal for Cutting



Technical Specifications

ID:	KWS-BIT-46037
Cutting Diameter:	1/4" (6.35mm)
Cutting Length:	1" (25.4mm)
Shank Diameter:	1/4" (6.35mm)
Overall Length:	2-1/2" (63.5mm)
Flutes:	2T Compression Spiral
Material:	Solid Carbide with Wear-Resistant Coating
Applications:	Cabinet making, sign production, laminated panels, plywood
Ideal for:	CNC routing requiring clean edges on both surfaces

Compatible Equipment



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1/4" Solid Carbide Spiral Plunge Router Bit

Solid Carbide Spiral Plunge Router Bit provides precision performance for detailed CNC routing applications. Featuring a 1/4" diameter and 1" cutting length with down-cut spiral design, this bit delivers clean, splinter-free edges on the top surface of laminated materials, veneers, and delicate wood composites. The solid carbide construction with specialized coating ensures extended tool life and optimal performance in intricate routing tasks, making it ideal for fine woodworking, inlay work, and detailed pattern cutting.

Ideal for Cutting



Technical Specifications

ID:	KWS-BIT-46202-K
Cutting Diameter:	1/4" (6.35mm)
Cutting Length:	1" (25.4mm)
Shank Diameter:	1/4" (6.35mm)
Overall Length:	2-1/2" (63.5mm)
Flutes:	2T Down Cut Spiral
Rotation:	Right (Clockwise)
Material:	Solid Carbide with Anti-Friction Coating
Applications:	Detailed CNC routing, inlay work, pattern cutting, delicate materials
Ideal for:	Fine woodworking, musical instrument making, decorative elements

Compatible Equipment



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3/8" Solid Carbide Spiral Plunge Router Bit

Solid Carbide Spiral Plunge Router Bit delivers exceptional performance for CNC routing applications requiring clean top-surface finishes. This 2-flute down-cut bit features a 3/8" diameter and 1-1/4" cutting length, specifically designed to push chips downward while producing splinter-free edges on laminated materials, plywood, and composite panels. The solid carbide construction with anti-friction coating ensures long tool life and consistent performance in demanding production environments.

Ideal for Cutting



Technical Specifications

ID:	KWS-BIT-46420-K
Cutting Diameter:	3/8" (9.5mm)
Cutting Length:	1-1/4" (31.75mm)
Shank Diameter:	3/8" (9.5mm)
Overall Length:	3" (76.2mm)
Flutes:	2T Down Cut
Material:	Solid Carbide with Anti-Friction Coating
Applications:	CNC routing, laminated materials, plywood, composite panels
Ideal for:	Cabinetry, sign making, precision woodworking

Compatible Equipment



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3/8 Inch Ball Nose CNC Router Bit for 2D & 3D Carving

Ball Nose CNC Router Bit delivers precision performance for detailed 2D and 3D carving applications. Featuring a 3/8" ball tip and 3/4" cutting length, this solid carbide bit creates smooth contours and intricate details in wood, plastics, and composite materials. The triple-flute design with titanium coating ensures efficient chip removal, extended tool life, and superior finish quality - perfect for mold making, sign making, and decorative work.

Ideal for Cutting



Technical Specifications

ID:	KWS-BIT-46491
Cutting Diameter:	3/8" (9.5mm)
Cutting Length:	3/4" (19mm)
Shank Diameter:	3/8" (9.5mm)
Overall Length:	4" (101.6mm)
Flutes:	3T (Triple-flute)
Material:	Solid Carbide with Titanium Coating
Applications:	2D/3D carving, mold making, sign making, decorative engraving

Compatible Equipment



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3/8" Compression Spiral Router Bit

Solid Carbide Compression Spiral Router Bit delivers professional-grade performance for CNC woodworking applications. Featuring a unique compression spiral design that combines up-cut and down-cut action, this bit eliminates tear-out on both sides of the material, producing clean edges in plywood, laminated panels, and composite materials. The triple-flute design and solid carbide construction ensure maximum durability and precision cuts through the entire 1-1/8" cutting length.

Ideal for Cutting



Technical Specifications

ID:	KWS-BIT-46709-K
Cutting Diameter:	3/8" (9.5mm)
Cutting Length:	1-1/8" (28.6mm)
Shank Diameter:	3/8" (9.5mm)
Overall Length:	3" (76.2mm)
Flutes:	3T (Triple-flute)
Coating:	Anti-friction coating
Material:	Solid carbide
Applications:	CNC routing, plywood, laminated panels, composite materials

Compatible Equipment



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