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> Easy-Cut 584133 (156 x 12.7 mm, 24, Special Alternate Teeth, All-Purpose Blade) for Black & Decker Circular Hand Saw DN 57

kwb 584133

Instruction Manual for kwb Easy-Cut Circular Saw Blade

Model: 584133

PRODUCT OVERVIEW

The kwb Easy-Cut Circular Saw Blade, model 584133, is an all-purpose blade designed for precise and clean cuts across a variety of materials. Manufactured in Germany, this carbide-tipped blade features special alternating teeth for optimal performance.



Figure 1: The kwb Easy-Cut Circular Saw Blade, model 584133, showcasing its design and key specifications printed on the blade.

This blade is engineered for compatibility with numerous circular hand saws from leading manufacturers, including Einhell, AEG, Bosch, DeWalt, Metabo, Kress, Festool, and Haffner. Its robust construction ensures high quality standards in terms of material and workmanship.

SAFETY INFORMATION

Always prioritize safety when working with power tools and saw blades. Failure to follow safety guidelines can result in serious injury.

- **Read Your Saw's Manual:** Before installing or using this blade, thoroughly read and understand the instruction manual for your specific circular saw.
- **Personal Protective Equipment (PPE):** Always wear appropriate PPE, including safety glasses, hearing protection, and gloves, when operating a circular saw.
- **Unplug Tool:** Disconnect the power tool from the power source before making any adjustments, changing accessories, or performing maintenance.

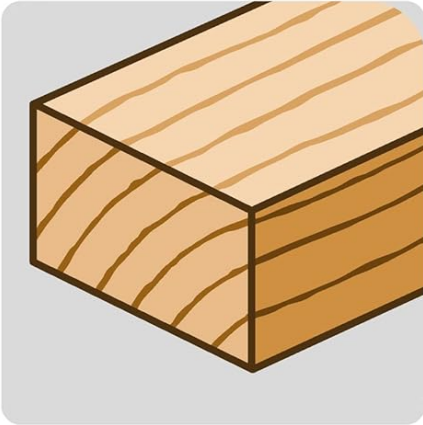
- **Inspect Blade:** Before each use, inspect the blade for any signs of damage, cracks, or missing teeth. Do not use a damaged blade.
- **Secure Workpiece:** Ensure the material being cut is securely clamped or held to prevent movement during operation.
- **Proper Blade for Material:** Use the correct blade type for the material you are cutting. This blade is designed for various materials as specified in the "Operating Instructions" section.
- **Maintain Clear Work Area:** Keep your work area clean, well-lit, and free of clutter to prevent accidents.

SETUP AND INSTALLATION

Proper installation of the saw blade is crucial for safe and effective operation. Refer to your circular saw's manual for specific instructions regarding blade changes.

1. **Ensure Power Off:** Disconnect the circular saw from its power source to prevent accidental startup.
2. **Access Blade Arbor:** Follow your saw's instructions to open the blade guard and access the blade arbor.
3. **Remove Old Blade (if applicable):** Use the appropriate wrench to loosen the arbor nut and carefully remove the old blade.
4. **Clean Arbor:** Clean any sawdust or debris from the arbor and flanges to ensure a flat seating surface for the new blade.
5. **Install New Blade:** Place the kwb Easy-Cut blade onto the arbor, ensuring the rotation arrow on the blade matches the rotation direction of your saw. The precise bore of the blade ensures a secure fit on the machine shaft.
6. **Secure Blade:** Reinstall the arbor nut and tighten it firmly with the wrench. Do not overtighten.
7. **Check Blade Guard:** Ensure the blade guard operates freely and returns to its closed position.

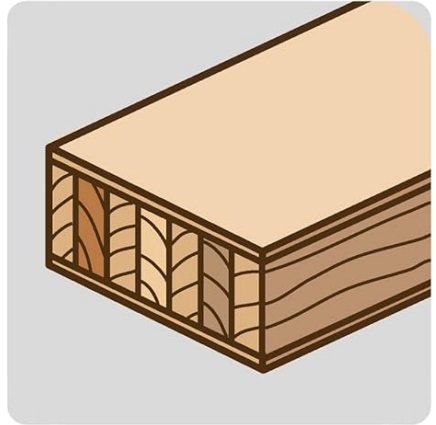
Geeignet für folgende Materialien:



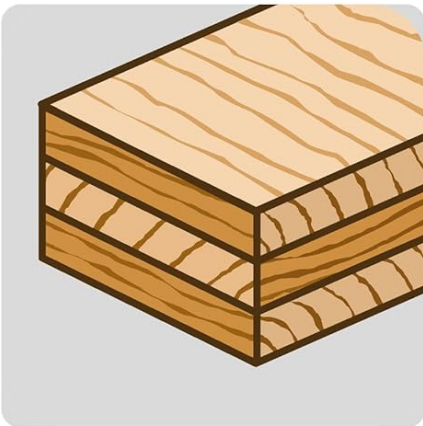
Weichholz



Profilholz



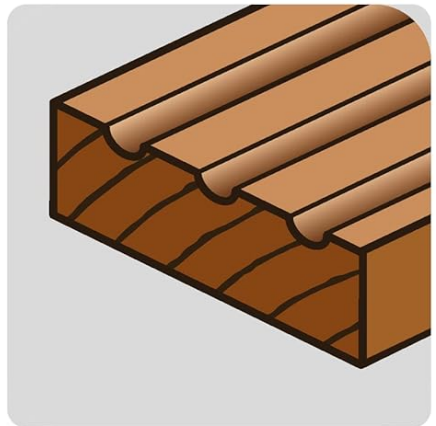
Tischlerplatte



Sperrholz



Parkett



Terassenbohlen

Figure 2: The kwb Easy-Cut blade securely installed in a circular hand saw, ready for operation. This image demonstrates the blade's compatibility with common saw models.



Figure 3: Detailed view of the blade's alternating teeth and the central bore, designed for a secure and stable fit on the machine shaft.

OPERATING INSTRUCTIONS

The kwb Easy-Cut blade is designed for versatile cutting of various materials, providing a precise and clean finish.

Compatible Materials:

This carbide-tipped blade is suitable for a wide range of materials, including:

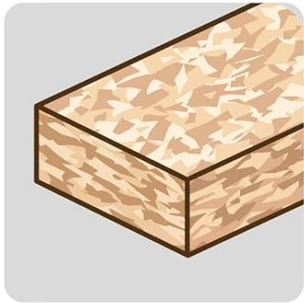
- Chipboard
- Construction Timber
- Non-ferrous Metal (e.g., Aluminum, Copper, Brass, Zinc)
- Sheet Metal
- Aluminum Profiles
- Plexiglas
- Plastics (e.g., PVC)

- Wood with Metal Residues
- Hardwood
- Softwood
- Profiled Wood
- Blockboard
- Plywood
- Parquet
- Decking Boards

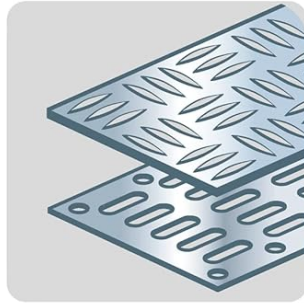


Figure 4: Visual representation of various materials the kwb Easy-Cut blade can effectively cut, including chipboard, sheet metal, aluminum profiles, plastics, Plexiglas, wood with metal, non-ferrous metals, and hardwood.

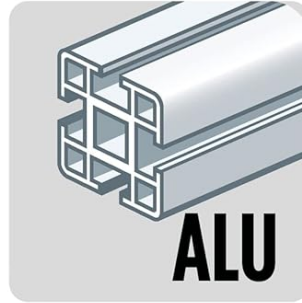
Geeignet für folgende Materialien:



Spanplatten



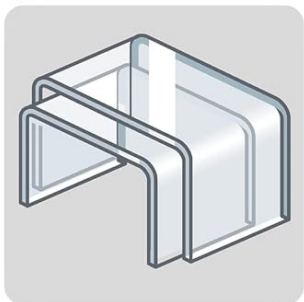
Bleche



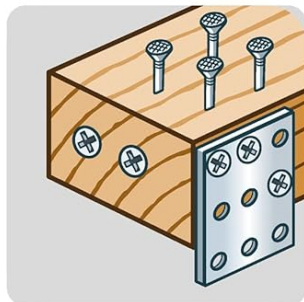
Alu-Profile



Kunststoff



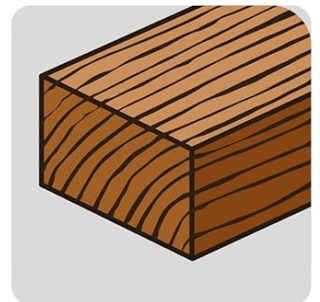
Plexiglas



Holz mit Metallresten



Buntmetalle



Hartholz

Figure 5: Illustration of different wood types suitable for cutting with this blade, such as softwood, profiled wood, blockboard, plywood, parquet, and decking boards.

Cutting Guidelines:

- **Proper Feed Rate:** Apply a consistent and appropriate feed rate. Do not force the blade through the material, as this can lead to overheating, poor cut quality, and premature blade wear.
- **Blade Depth:** Adjust the cutting depth of your circular saw so that the blade extends slightly below the workpiece.
- **Starting the Cut:** Allow the saw to reach full speed before engaging the blade with the material.
- **Cooling:** For prolonged cuts or harder materials, allow the blade to cool periodically to prevent overheating.

MAINTENANCE

Regular maintenance extends the life of your saw blade and ensures consistent performance.

- **Cleaning:** After each use, clean the blade to remove resin, pitch, and sawdust buildup. Use a suitable blade cleaner and a stiff brush. Avoid abrasive materials that could damage the carbide tips.
- **Inspection:** Periodically inspect the blade for dullness, chipped or missing carbide teeth, cracks, or warping. A dull blade can cause kickback and poor cuts.
- **Storage:** Store the blade in a dry place, preferably in its original packaging or a blade storage case, to protect the teeth from damage and prevent corrosion.
- **Sharpening:** If the blade becomes dull, it can be professionally sharpened. Do not attempt to sharpen carbide-tipped blades yourself unless you have specialized equipment and training.

TROUBLESHOOTING

If you encounter issues during operation, consider the following common troubleshooting steps:

- **Poor Cut Quality (Rough Edges, Burning):**

- Blade is dull or damaged. Inspect and replace/sharpen if necessary.
- Incorrect feed rate (too fast). Reduce feed rate.
- Blade is dirty with resin buildup. Clean the blade.
- Blade is not suitable for the material. Ensure you are cutting compatible materials.

- **Excessive Vibration or Noise:**

- Blade is not properly installed or secured. Re-check installation and arbor nut tightness.
- Blade is warped or damaged. Inspect and replace if necessary.
- Arbor or flanges are dirty. Clean thoroughly.

- **Blade Overheating:**

- Feed rate is too slow or too fast. Adjust feed rate.
- Blade is dull. Sharpen or replace.
- Cutting too deep in a single pass. Make multiple shallower passes if needed.

SPECIFICATIONS

Attribute	Detail
Model Number	584133
Brand	kwb
Material	Metal (Carbide-tipped)
Blade Diameter	156 mm (6.14 inches)
Bore Diameter	12.7 mm (0.5 inches)
Number of Teeth	24
Cutting Thickness (Kerf)	2.8 mm
Blade Body Thickness	1.8 mm
Style	Circular, All-Purpose with Special Alternate Teeth
Item Weight	285 Grams (10.1 ounces)
Product Dimensions	0.39 x 7.13 x 8.27 inches

Attribute	Detail
Compatible Materials	Chipboard, Construction Timber, Non-ferrous Metal, Sheet Metal, Aluminum Profiles, Plexiglas, Plastics, Wood with Metal Residues, Hardwood, Softwood, Profiled Wood, Blockboard, Plywood, Parquet, Decking Boards
Origin	Made in Germany



Figure 6: The kwb Easy-Cut blade highlighting its key dimensions (156 x 2.8 x 12.75 mm) and its "Made in Germany" origin.



Figure 7: Close-up of the blade illustrating expansion slots and laser ornaments designed to reduce vibration and noise, along with additional holes for extra centering and securing on certain machine models.

WARRANTY AND SUPPORT

For information regarding warranty coverage or technical support for your kwb Easy-Cut Circular Saw Blade, please contact the manufacturer directly. Refer to the packaging or the official kwb website for the most current contact details.

Manufacturer: kwb Germany GmbH

For general inquiries or to find more information about kwb products, visit: www.kwb.eu

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This manual is for informational purposes only. Always follow safety guidelines and local regulations.