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Narex Premium Woodworking Chisel Instruction Manual

Model: 811632 | Brand: Narex

1. PRODUCT OVERVIEW

The Narex Premium Woodworking Chisel is designed for cabinetmakers and fine woodworking tasks. This tool features a slimmer cross-section compared to the Professional line, making it suitable for detailed work. The blade is crafted from fine-grained, chrome-manganese steel, hardened to Rc 59 for excellent edge retention. Each chisel comes with a European Hornbeam handle, stained for durability and comfort, and reinforced with a solid brass ferrule to withstand mallet use.



Figure 1: Narex Premium Woodworking Chisel. This image displays the chisel with its wooden handle, brass ferrule, and steel blade. The Narex logo and model number are visible on the blade.

2. KEY FEATURES

- **Blade Material:** Fine-grained, chrome-manganese steel, hardened to Rc 59 for superior edge retention.
- **Blade Bevel:** Primary bevel ground at 25 degrees.
- **Handle:** Stained European Hornbeam, designed for comfortable grip and durability.
- **Ferrule:** Solid brass ferrule to reinforce the handle for mallet work.
- **Construction:** Blades feature well-seated heavy steel tangs for secure handle attachment.
- **Origin:** Manufactured in the Czech Republic by a respected edge tool maker.

3. SETUP AND INITIAL PREPARATION

Upon receiving your Narex chisel, it is recommended to perform an initial sharpening to achieve a razor-sharp edge suitable for fine woodworking. While the primary bevel is factory-ground at 25 degrees, honing the edge to a finer polish will significantly improve cutting performance and reduce effort.

3.1. Sharpening the Chisel

1. **Gather Sharpening Supplies:** You will need sharpening stones (waterstones or oilstones) of various grits, typically starting from 1000 grit and progressing to 6000 or 8000 grit for a polished edge. A honing guide can assist in maintaining a consistent angle.
2. **Establish a Micro-Bevel (Optional but Recommended):** While the primary bevel is 25 degrees, a secondary micro-bevel at 28-30 degrees can enhance edge durability and ease of sharpening.
3. **Honing:** Use progressively finer grits to remove scratches and polish the edge. Ensure the entire bevel is in contact with the stone.
4. **Remove the Burr:** After honing, a small burr will form on the back of the chisel. Remove this by lightly flattening the back of the chisel on the finest grit stone, then alternating between the bevel and the back until the burr is gone.
5. **Test Sharpness:** A properly sharpened chisel should be able to pare end grain cleanly or shave hair from your arm.

3.2. Safety Precautions

- Always cut away from your body.
- Ensure your workpiece is securely clamped.
- Wear appropriate safety glasses to protect your eyes from flying debris.
- Keep hands clear of the cutting path.
- Store chisels with blade guards or in a protective roll when not in use.

4. OPERATING INSTRUCTIONS

The Narex Premium Chisel is versatile for various woodworking tasks, including paring, chopping, and mortising. Proper technique ensures efficient work and safety.

4.1. Paring Cuts

For fine, controlled cuts, hold the chisel with one hand on the handle and the other guiding the blade close to the cutting edge. Apply steady, even pressure, pushing the chisel through the wood. The bevel should

face down for most paring operations, allowing the flat back of the chisel to register against the cut surface for accuracy.

4.2. Chopping and Mortising

When chopping or creating mortises, the chisel can be struck with a mallet. Ensure the workpiece is firmly secured. Position the chisel with the bevel facing the waste material. Strike the handle with a mallet, driving the chisel into the wood. For mortises, make a series of cuts across the grain, then lever out the waste. The solid brass ferrule on the handle is designed to withstand these impacts.

4.3. Grain Direction

Always consider the wood grain direction. Cutting with the grain generally produces cleaner results. Cutting against the grain can lead to tear-out. Adjust your cutting direction or technique to minimize tear-out, especially on delicate work.

5. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your Narex chisel.

5.1. Sharpening

A sharp chisel is a safe and effective chisel. Re-hone the edge frequently, even during a single project, as needed. A quick touch-up on a fine grit stone can restore sharpness without requiring a full re-grind.

5.2. Cleaning

After each use, wipe down the blade to remove any wood sap or debris. A light coat of camellia oil or similar rust preventative can be applied to the blade, especially if storing the chisel for an extended period or in a humid environment.

5.3. Storage

Store chisels in a way that protects the cutting edge from damage and prevents accidental injury. Chisel rolls, blade guards, or a dedicated tool cabinet are ideal. Avoid storing chisels loosely in a drawer where the edges can contact other tools.

6. TROUBLESHOOTING

- Chisel feels dull or tears wood:** The edge requires sharpening. Refer to Section 3.1 for sharpening instructions.
- Edge chips easily:** This can occur if the sharpening angle is too acute for the task or if the chisel is used on very hard wood or knots without proper technique. Consider establishing a slightly larger micro-bevel (e.g., 30 degrees) for increased durability.
- Rust spots appear on the blade:** The blade was likely exposed to moisture or not properly oiled after use. Clean the rust with fine abrasive paper or rust remover, then apply a rust preventative.
- Handle feels loose:** While rare due to the heavy steel tang and brass ferrule, if the handle becomes loose, it may require re-seating or repair. Contact Narex customer support if this issue arises.

7. TECHNICAL SPECIFICATIONS

Feature	Detail
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Feature	Detail
Brand	Narex
Model Number	811632
Blade Material	Chrome-Manganese Alloy Steel
Blade Hardness	Rc 59
Blade Bevel Angle	25 degrees (primary)
Blade Length	4 5/8" to 6 1/2" (depending on width)
Available Widths	6 mm to 50 mm
Handle Material	Stained European Hornbeam Wood
Handle Length	5 1/2"
Overall Length	9 7/8" to 12" (depending on width)
Ferrule Material	Solid Brass
Item Weight	Approximately 8.8 ounces (for 32mm size)
Product Dimensions	12"L x 1.97"W (for 50mm size)

8. WARRANTY AND SUPPORT

Narex tools are manufactured to high standards. For specific warranty information or technical support, please refer to the official Narex website or contact your authorized Narex dealer. Keep your purchase receipt as proof of purchase.

For general inquiries or assistance, you may visit the Narex official website or contact their customer service department. Contact details are typically available on the manufacturer's packaging or website.