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Koch Industries 4008313

Koch Industries 4008313 Grade 8 Hitch Pin User Manual

Model: 4008313

1. Product Overview

The Koch Industries 4008313 Hitch Pin is a robust fastening component designed for agricultural and construction machinery applications. Constructed from heat-treated alloy steel with a forged head, this Grade 8 hitch pin offers durability and strength. It features a black finish on the pin shaft and a blue vinyl-coated handle for comfortable grip and easy identification. A hair pin retainer is included to secure the hitch pin in place during use.



Image 1.1: The Koch Industries 4008313 Hitch Pin. This image displays the black steel pin shaft, the blue vinyl-coated T-handle, and the small, gold-colored hair pin retainer attached to the end of the main pin shaft.

Key Features:

- **Material:** Alloy steel, heat-treated for enhanced strength.
- **Finish:** Black pin shaft with a blue vinyl-coated handle.
- **Design:** Forged head for durability.
- **Security:** Includes a hair pin retainer for secure attachment.
- **Grade:** Grade 8 classification indicates high tensile strength.

2. Safety Information

Please read and understand all safety instructions before using this product. Failure to follow these instructions may result in injury or damage to equipment.

- **Important:** This hitch pin is **NOT intended for overhead lifting**. Do not use this product for applications involving lifting loads above people or equipment.
- Always ensure the hitch pin is correctly sized for the application to prevent excessive wear or failure.
- Verify that the hair pin retainer is fully engaged and secured after inserting the hitch pin.
- Inspect the hitch pin for any signs of wear, bending, cracks, or corrosion before each use. Replace if damaged.
- Keep hands and clothing clear of moving parts when installing or removing the hitch pin.
- Store the hitch pin in a dry place to prevent rust and corrosion.

3. Setup and Installation

Proper installation ensures secure attachment and safe operation.

1. **Select Correct Size:** Ensure the hitch pin's diameter (3/4-inch) and usable length are compatible with the equipment's hitch receiver or mounting point.
2. **Prepare Connection Point:** Clean any debris or rust from the hitch receiver or implement eye to ensure a smooth insertion.
3. **Insert Hitch Pin:** Align the hitch pin with the holes in the equipment and receiver. Push the pin through until the head rests firmly against the surface and the hole at the opposite end of the pin is fully exposed.
4. **Secure with Hair Pin:** Insert the included hair pin retainer through the small hole at the end of the hitch pin. Ensure the hair pin is fully seated and its curved ends are securely engaged to prevent accidental dislodgement.
5. **Verify Connection:** Gently pull on the attached implement or trailer to confirm the hitch pin is securely in place and there is no excessive play.

4. Operating Instructions

Once installed, the hitch pin facilitates the connection of various implements or trailers to tractors, ATVs, or other machinery.

- Always operate machinery with the hitch pin securely fastened.
- Avoid exceeding the weight or stress limits of the hitch pin or the connected equipment.
- Regularly check the hitch pin and hair pin retainer during operation, especially during extended use or over rough terrain, to ensure they remain secure.
- When disconnecting equipment, remove the hair pin retainer first, then pull the hitch pin out.

5. Maintenance

Proper maintenance extends the life of your hitch pin and ensures reliable performance.

- **Cleaning:** After use, clean the hitch pin to remove dirt, mud, and debris. A damp cloth is usually sufficient.
- **Inspection:** Regularly inspect the pin for signs of wear, such as thinning, bending, or deformation. Check the hair pin retainer for springiness and any signs of fatigue.
- **Lubrication:** Apply a light coat of grease or rust-inhibiting spray to the steel shaft of the pin, especially if storing for extended periods or using in corrosive environments.
- **Storage:** Store the hitch pin in a dry, protected area to prevent rust and exposure to harsh elements.
- **Replacement:** Replace the hitch pin and/or hair pin retainer immediately if any damage or significant wear is observed.

6. Troubleshooting

This section addresses common issues you might encounter.

- **Pin does not fit:**
  - Ensure the diameter of the hitch pin (3/4-inch) matches the hole size of your equipment.
  - Check for obstructions or debris in the equipment's pinhole.
  - Verify that the equipment's holes are properly aligned.
- **Hair pin retainer is loose or falls out:**
  - Ensure the hair pin is fully inserted through the hole in the hitch pin and its ends are properly engaged.
  - Inspect the hair pin for deformation or loss of spring tension. Replace if damaged.
- **Pin is difficult to remove:**
  - Check for rust or corrosion. Apply a penetrating lubricant if necessary.
  - Ensure there is no tension or load on the pin from the attached equipment.
  - Clean the pin and receiver holes regularly.

7. Specifications

Feature	Detail
Model Number	4008313
Brand	Koch Industries
Material	Alloy Steel (Heat Treated)
Pin Type	Hitch Pin
Grade	8
Diameter	3/4 inches (0.75 inches)
Length	4 inches (usable length)
Finish	Black (pin), Blue Vinyl Coated (handle)
Included Components	Hitch Pin, Hair Pin Retainer

Feature	Detail
Item Weight	1.05 pounds
Product Dimensions	7 x 4.25 x 1.75 inches (overall)
UPC	719961490408

Note: "4-feet-inch Length" in the original product title has been interpreted as a 4-inch usable length, consistent with typical hitch pin dimensions and the overall product size.

8. Warranty and Support

For specific warranty information or technical support regarding your Koch Industries 4008313 Hitch Pin, please refer to the documentation provided at the time of purchase or contact Koch Industries directly through their official website. Keep your purchase receipt as proof of purchase.
Manufacturer: Koch Industries
Website: www.kochind.com

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