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› RCBS Matchmaster Competition Seating Die 6.5MM CREEDMOOR Instruction Manual

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INTRODUCTION

This manual provides detailed instructions for the proper setup, operation, and maintenance of your RCBS Matchmaster Competition Seating Die for 6.5MM CREEDMOOR. Designed for precision reloaders, this die features advanced mechanisms to ensure consistent and accurate bullet seating.



Image: The RCBS Matchmaster Competition Seating Die, a precision tool for reloaders.

SETUP INSTRUCTIONS

1. **Unpacking:** Carefully remove all components from the packaging. Verify that the Matchmaster Competition Seating Die is free from any damage.
2. **Mounting the Die:** Thread the die into your reloading press until it touches the shell holder at the top of the ram's stroke. Back the die out one full turn.
3. **Initial Adjustment:** Lower the ram and place a sized, unprimed, and uncharged case into the shell holder. Raise the ram to its highest position. Thread the die down until it makes contact with the case mouth.
4. **Micrometer Adjustment:** The die features a micrometer adjustable seater. For initial setup, set the micrometer to a starting point, typically a mid-range setting. Fine adjustments will be made during the operating phase.



Image: A close-up view of the threaded base of the RCBS Matchmaster Competition Seating Die, showing the RCBS branding.

OPERATING THE SEATING DIE

The RCBS Matchmaster Competition Seating Die is designed for precise bullet seating. Follow these steps for optimal results:

1. **Prepare Case:** Ensure your case is properly sized, trimmed, chamfered, and deburred.
2. **Load Bullet:** Place a bullet into the bullet loading window of the die. The bullet retaining system will hold the bullet centered for consistent seating.
3. **Seat Bullet:** Raise the ram of your press. The free-floating/self-centering bullet seating system will guide the bullet into the case mouth with minimal run-out.
4. **Adjust Seating Depth:** Use the micrometer adjustable seater to fine-tune your bullet seating depth. Each click on the micrometer provides precise, repeatable adjustments. Turn clockwise to increase seating depth (seat bullet deeper) and counter-clockwise to decrease seating depth (seat bullet shallower).
5. **Verify:** After seating, measure the Cartridge Overall Length (COL) to ensure it meets your specifications.



Image: Diagram illustrating key features of the RCBS Matchmaster Competition Seating Die, including the micrometer adjustable bullet seating depth, free-floating/self-centering bullet seating stem, bullet loading window, and bullet retaining system.

MAINTENANCE

Regular maintenance will ensure the longevity and performance of your Matchmaster Competition Seating Die:

- **Cleaning:** Periodically disassemble the die and clean all components with a suitable gun cleaning solvent. Remove any powder residue or bullet lube buildup.
- **Lubrication:** Apply a light coat of high-quality gun oil to all moving parts, especially the seating stem and micrometer threads, to ensure smooth operation.
- **Storage:** Store the die in its original case or a clean, dry environment to prevent rust and damage.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Inconsistent Seating Depth	Debris in die, loose micrometer, inconsistent case length.	Clean die thoroughly. Ensure micrometer is tightened after adjustment. Trim cases to uniform length.
Bullet Run-out	Dirty die, improper bullet placement, damaged case mouth.	Clean die and seating stem. Ensure bullet is properly seated in the loading window. Inspect and prepare case mouths correctly.
Difficulty Adjusting Micrometer	Lack of lubrication, dirt in threads.	Disassemble and clean micrometer threads. Apply a light lubricant.

SPECIFICATIONS

Feature	Detail
Caliber	6.5MM CREEDMOOR
Style	Seat Die Only
Color	Metal
Item Weight	0.09 Pounds
Closure Type	Open Top
Item Type Name	Reloading Die
Included Components	Matchmaster Competition Seating Die
Unit Count	1.0 Count

WARRANTY INFORMATION

This product is covered by a Limited Lifetime Warranty. For full details and to register your product, please visit the official RCBS website: <http://rcbs.com/Help/Warranty.aspx>.

CUSTOMER SUPPORT

For further assistance, technical support, or inquiries regarding your RCBS Matchmaster Competition Seating Die, please refer to the contact information provided on the official RCBS website. Always ensure you are following all safety guidelines when reloading ammunition.