

MINI
RHINOBAR®
HYDRODYNAMIC BAR FEEDS

Simple. Versatile. Affordable.



Lexair, Inc.

MADE IN U.S.A.

MINI RHINOBAR— The Affordable Alternative for Your Small Bar Stock

- Engineered for swiss-style CNC screw machines and small headstock lathes.
- Extremely rugged design.
- Feed tube changeover in under three minutes.
- Standard Mini-Rhinobar feeds all size stock from 1/8" to 1-5/8" by 6' or 12' long.
- Low noise level.
- Increased speeds and reduced cycle times.
- Standard Z-axis capability.
- Heavy-duty construction for maximum rigidity and vibration prevention.
- Unique Swing-Out mechanism for ease of reloading bar stock and feed tube changeover.
- One clamp control for Z-axis motion and Swing-Out.
- Positive, pusher retention system.
- Removable pendant for convenient operator control.
- One adjustment controlling flow and pressure.



Reduce setup time with our hand-held, mobile pendant that lets you take the controls of the Mini Rhinobar with you.



Recuperator is cast aluminum and totally enclosed, keeping messy oil off your shop floor. The feed tube extension keeps your bar stock totally enclosed, minimizing vibration and increasing safety.



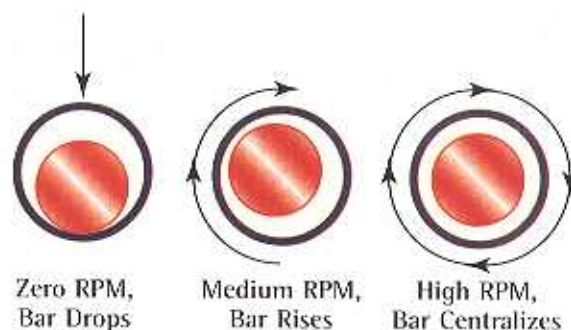
Easy to use single clamp control over Z-axis motion and Swing-Out saves you time and keeps bar stock properly aligned with lathe.



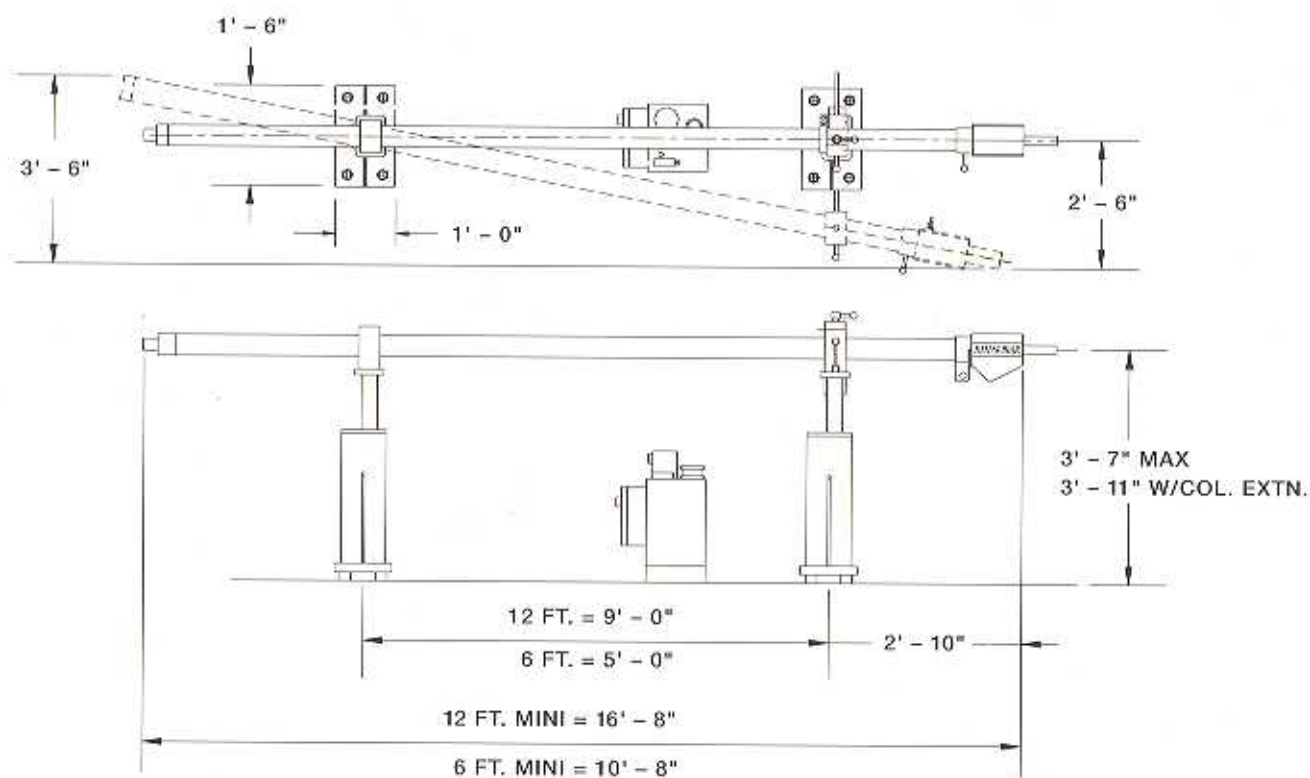
Single valve control regulating flow and pressure minimizes setup time and gives you more accurate bar control for vibration free operation.

The Hydrodynamic Principle

The Mini Rhinobar operates on the hydrodynamic principle of supporting the bar stock in an oil bath. Oil fills the gap between the bar stock and feed tube and as the bar begins to turn, hydrodynamic forces move it toward the feed tube center. Centering forces are strengthened as bar speed increases. In order to achieve maximum operating speeds, feed tubes are available in graduated sizes to optimize the bar to feed tube clearance.



MINI RHINOBAR Floor Plan



Available Feed Tube Sizes

Tube Sizes [inches] 1/4 5/16 3/8 1/2 5/8 3/4 7/8 1 1-1/16 1-1/8 1-1/4 1-3/8 1-1/2 1-5/8

MRB 1.62

Customize your application. Choose from any three feed tubes with standard pricing.

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Five Reasons the **MINI RHINOBAR** Should Be Your Next Bar Feeder

1. It's reliable. The Mini Rhinobar is "simple by design". We designed and manufacture the Mini Rhinobar with as few parts as possible to reduce maintenance and increase reliability.
2. It's perfect...for swiss-style CNC screw machines and small headstock lathes. Engineered with a Z-axis mechanism that positions the barrel directly behind the spindle, eliminating unsupported stock.
3. It's priced right. There simply is no better value available if you're using small bar stock.
4. It comes with a feed tube that matches your application. Increase RPM and optimize performance with a feed tube that best suits your needs. We offer a complete selection of feed tubes in 1/8" increments, starting at 1/4".
5. It includes everything you need. In addition to all the standard features built into the Mini Rhinobar, you get your choice of three feed tubes with standard pricing.

Technical Data

MODEL	MRB 1.62
Bar Diameter Range	1/8" to 1-5/8"
Max. Bar Length	6' and 12' models
Motor	1 hp / 1725 rpm
Electrics	208/220/440 V 3 ph
Overall Length	11' and 17'

Information subject to change without notice.
Patent pending.

Other Lexair Products



RHINOBAR HYDRODYNAMIC BAR FEED

Hydrodynamic Bar Feeds

Heavy-duty, high performance bar feeds. Capacity: 1/8" to 2-3/4" diameter by 6' or 12' long.



MULTIFEED MAGAZINE SHORT BAR LOADER

Magazine Short Bar Loader

Heavy-duty, high performance bar loader. Bar sizes: 1/8" to 3-1/8" by 4' long.



Collet Chucks

Ideal for bar feed applications. Fast setup/changeover and precise part tolerances. Available as fixed length, direct mount or wrench operated, in a variety of sizes.



Collet Workholding Systems

Available in hydraulic or pneumatic configurations. Feature a double-acting piston for quick release, accurate repeatability. Use standard 5C and 16C collets.



RHINOVISE

Quick Change Vises

Available direct through Allen Workholding, a division of Lexair

Off-the-shelf manual vises and tombstones with machinable reversible jaws. A combination of hardened steel alloy ways and a lightweight aluminum base makes the Rhinovise both easy to handle and durable.



Special and Standard Valves

Fluid Power Products

Variety of valves for industrial, mobile, marine and aerospace applications. Call George Allen at (606) 255-5001 for more information.

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