

RL-8500



Brake Lathe

SKU# 5150066

Combination Disc/Drum Brake Lathe w/Bench & Std Tooling

Simple, Durable, Trouble-Free Combination Brake Lathe

The revolutionary RL-8500 [combination brake lathe](#) uses independent DC servo motors to control the cross feed and spindle feed drives, eliminating the need for complex mechanical gear boxes and transmissions typically found on mechanically-driven lathes.

The ruggedly built RL-8500 brake lathe is capable of faster, easier and more accurate rotor/flywheel and drum/flywheel resurfacing than any other brake lathe in its class. Infinitely adjustable feed rates allow you to easily modify cut speeds with the simple turn of a dial. Now you can reduce or increase the cut-time for the best finish results, whether you're speeding through an initial rough cut or a single-pass micro-finish. This complete lathe package includes the lathe, a sturdy bench and large tool storage backboards, so you can hang all your adapters within close reach.

One of the common problems that plague other brake lathes is the vibration and chatter transfer that directly affects the tool-tip and leaves an imperfect cut on the machined surface. The RL-8500 brake lathe by Ranger is specifically designed to address this issue by eliminating the need for gear-driven mechanical drives and variable-speed transmission devices.

Specifications

Motor Drive Unit	115 – 230 VAC, 50 – 60 hz, 1 Ph, 20 amp
Max Rotor Thickness	2-1/2" (64 mm)
Max Rotor Diameter	17" (432 mm)
Brake Drum Diameter	6" – 28" (152 mm – 711 mm)
Max Load with Standard 1" Arbor	150 lbs. (68 kg)
Max Load with Optional 1-7/8" Truck Arbor	250 lbs. (113 kg)
Spindle Travel	6-7/8" (175 mm)
Spindle Speed	150 rpm – 200 rpm
Shipping Weight w/ Bench/Tools	685 lbs. (311 kg)
Shipping Dimensions	62" x 49" x 36" (1,575 mm x 1,245 mm x 914 mm)



Features

- Precision electric DC servo motors designed to meet the demanding requirements of industrial motion control
- Quick-Change Adapter-Plus system with built-in springs eliminates the need for conventional bell clamps and cones.
- Works on all cars or trucks, both foreign and domestic, with hubless drums, rotors (center hole sized 2-5/32" – 4") and composite rotors (center hole sized 4" – 6-1/4")
- Infinitely variable spindle and cross feed speed settings allow for rough and precision finish cuts
- Simple ergonomic controls are designed for minimal operator movement
- Massive tapered spindle bearings offer superior weight support during rotation
- An independent cross-feed motor eliminates the need for plastic or bronze shear gears