**Key features at a glance**

**Twin Work Lamps**
- Adjustable lamps illuminate both sides of workpiece
- Includes built-in deflector shield

**Self-Aligning Nut Option**
- Speeds setup
- Prevents over-tightening and mounting errors

**PATENTED**

**Digi-Cal Option**
- Instantly measures drum or rotor dimensions
- Helps technicians quickly determine total indicated runout

**Choice of Lathe Tooling**
- Includes positive rake tooling
- Durable negative rake tooling available as an option

**Clamp Screw**
- Allows quick setup change from rotors to drums

*Option depending on selected model*
Disc/Drum Control Lockout

- Eliminates potential "crashing" of machine
- Warning indication reminder

EXCLUSIVE

Adjustable Spindle Speeds

- Provides correct speed for all size workpieces
- No tools required

Built-in Tool Tray

- Keeps tools within easy reach

Adjustable Feed Rate

- Dial fast for rapid removal or slow for final surface finish
- One-cut pass capable

BL505 shown with optional features
Quick setup speeds brake servicing

**EXCLUSIVE**

Change from rotors to drums in seconds!

Change from rotors to drums...  
... by loosening clamp screw, removing rotor setup, rotating twin cutter...  
... set up drum service assembly and extend drum boring bar. Fastest in industry!

Choose the brake lathe tooling to suit your needs

**STANDARD**

Positive rake
- Provides faster cutting and reduced chatter
- Features 3 cutting tips

**OPTIONAL**

Negative rake
- More durable and longer life
- Features 6 cutting tips

**EXCLUSIVE**

Spindle speed adjustment made simple
- Quickly adjustable between three working speeds
- No tools necessary
- Easy to access
- Protective housing keeps motor safe from metal chips and debris
Digi-Cal instantly measures workpiece dimensions

PATENTED

- Quickly determines if workpiece should be discarded prior to machining
- Enables tech to quickly determine total indicated runout
- Eliminates manual calculation errors
- Displays measurements in inches or millimeters
- Determines depth of cut quicker and more accurately than "slip collar" method
- Helps technicians perform one-cut service with confidence
- No handheld tools required

Digi-Cal helps the technician determine the amount of material to remove for a one-cut resurfacing operation.

Quick calibration for greater accuracy

- Easy to perform
- Calibrate drum and rotor procedures in seconds
- Prevents accidental removal of excess material
**Heavy-duty bench option** makes brake service fast and easy

- Heavy gauge, all-steel construction gives extra stability
- Rear backboard stores frequently-used adaptors within easy reach
- Large chip collection funnel keeps debris off the floor
- Optional dust containment system protects air quality and keeps work area clean

* Option depending on selected model
** Not compatible with 1 7/8" arbor kits

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Bench includes a convenient document holder for operation manual, application charts and other reference materials.

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**OPTIONAL**

Dust Containment System

20-2122-1

- Designed to contain brake machining dust and metal particles that can potentially stain wet surfaces in the automotive shop environment
- Unhinged and quickly removed as needed
- Access window allows easy viewing of work piece during machining

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**OPTIONAL**

Storage drawer

20-1236-1

Optional storage drawer allows expansion of tool and accessory storage. Easily bolts in place.

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* Requires a conventional shop vacuum with 2.5" inlet hose. (It is not supplied.)
Expand the range of your vehicle applications with additional accessories from Hunter

Hunter Passenger Car and Light Truck Adaptor Kits

Customize your Hunter BL500 series lathe to match your service needs. Select the appropriate adaptor kit to service most rotors, drums and flywheels.

Basic Adaptor Kit
20-1665-1
Consists of hubbed and adaptors covering a range of applications fitting most passenger car rotors, drums and flywheels, including composites.

Dual QuickChuck™ Adaptor Kit
20-2614-1
Consists of hubbed and hubless adaptors and three-jaw chuck mounting system. Covers a wide range of applications for most rotors, drums and flywheels for passenger cars, light trucks and larger light trucks.

Elite Cone Adaptor Kit
20-2615-1
Consists of hubbed and hubless adaptors covering a wide range of applications for most passenger cars, light truck and larger light trucks, including composites.

Wrenchless self-aligning nut*
76-377-2
- Eliminates over-torquing arbor nut
- Works as arbor spacer and nut

Dual QuickChuck adaptor
175-423-2
- Ideal for use with hubless drums
- Quick setup with unparalleled centering ability

* Included standard in BL505-A and BL505-AB lathe packages.
Specifications*

Rotor
- Diameter: 6" to 22"
- Maximum Width: 5-3/8"
- Maximum Thickness: 2"

Drum
- Diameter: 6" to 24"
- Maximum Width: 8"
- Maximum Weight on 1" arbor: 200 lbs.

Spindle Speed(s):
- BL505: 85, 110, 175 rpm
- BL501: 155 rpm

Feed Rate:
- BL505: .002 to .014 in/rev (infinitely variable)
- BL501: .003 in/rev.

Motor: 1.5 hp

Power Requirements: 115/230 V, 15/7.5 amp, 50/60 Hz, 1ph

Shipping Weight: 525 lbs. (approx.)

Ordering Information**

Basic Packages
BL505 – Lathe with basic adaptors
Includes combination brake lathe with standard accessory kit [20-2174-1].

BL505-B – Lathe with bench and basic adaptors

HunterPro Packages
BL505-A – HunterPro lathe package
Package contains combination brake lathe and Standard HunterPro accessory kit [20-2175-1]. Adaptors NOT included.

BL505-AB – HunterPro lathe package with bench
** To order Digi-Cal measurement option, add “D” after the model number (e.g., BL505D).

Because of continuing technological advancements, specifications, models and options are subject to change without notice.

* Some specifications may vary depending upon workpiece configurations or may require optional adaptors.

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