

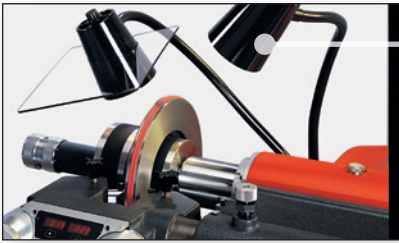
BL500 Series Brake Lathe

Variable and Single Speed Combination Lathes



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

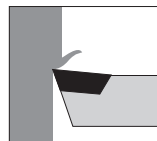
PATENTED

Digi-Cal Option

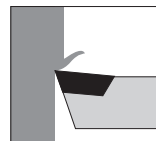


- ✓ Instantly measures drum or rotor dimensions
- ✓ Helps technicians quickly determine total indicated runout

Choice of Lathe Tooling



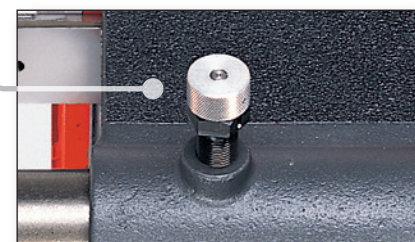
Positive rake



Negative rake

- ✓ 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



EXCLUSIVE

Adjustable Spindle Speeds



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

Built-in Tool Tray



- ✓ Keeps tools within easy reach

Disc/Drum Control Lockout

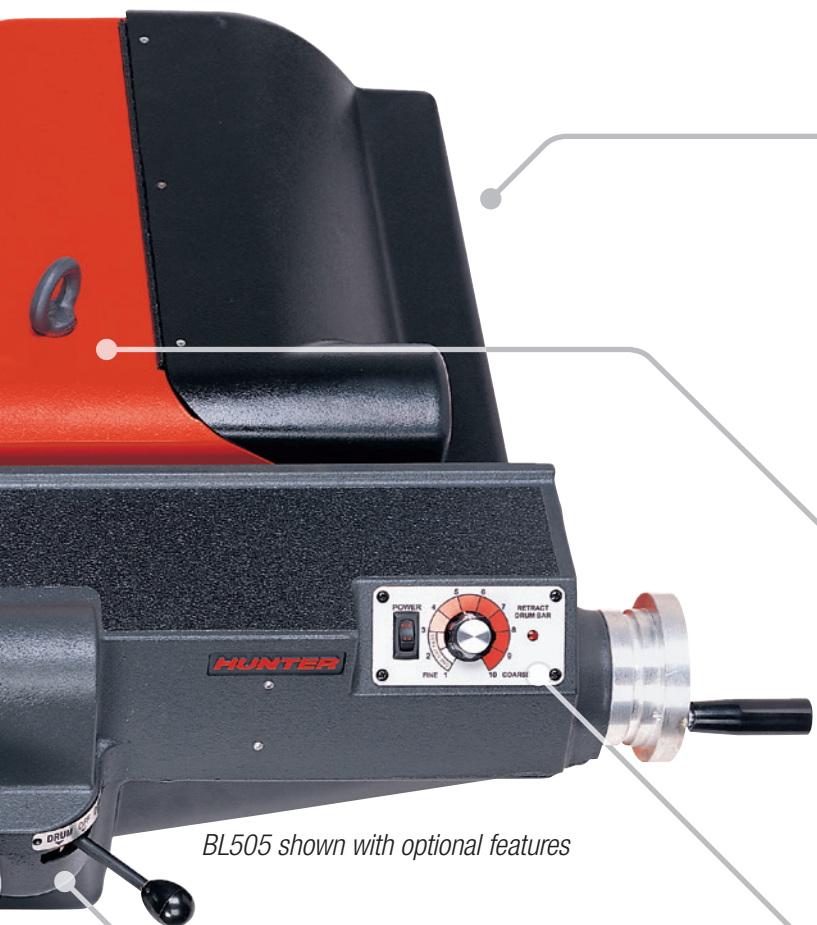


- ✓ Eliminates potential "crashing" of machine
- ✓ Warning indication reminder

Adjustable Feed Rate



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

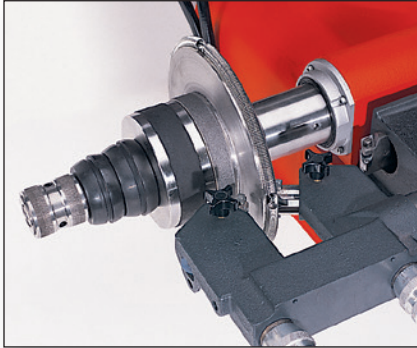


BL505 shown with optional features

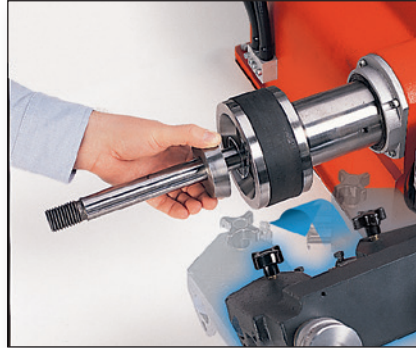
Quick setup speeds brake servicing

EXCLUSIVE

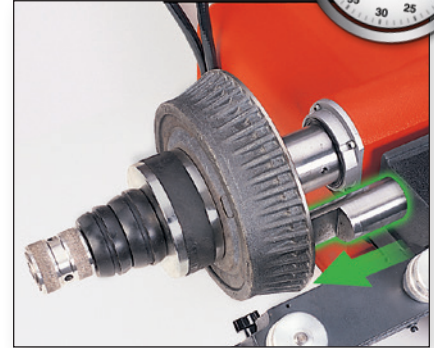
Change from rotors to drums in seconds!



Change from rotors to drums...

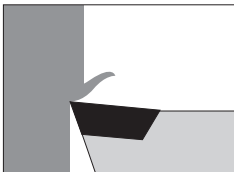


... by loosening clamp screw,
removing rotor setup, rotating
twin cutter...



... set up drum service assembly
and extend drum boring bar.
Fastest in industry!

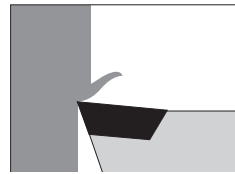
Choose the brake lathe tooling to suit your needs



STANDARD

Positive rake

- ✓ Provides faster cutting and reduced chatter
- ✓ Features 3 cutting tips



OPTIONAL

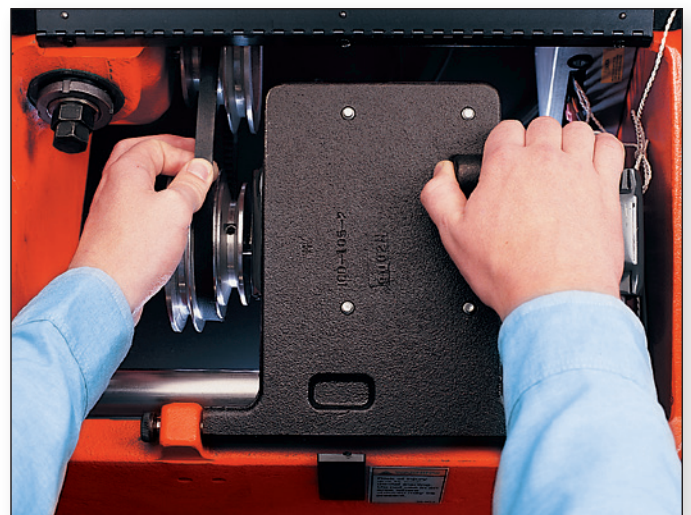
Negative rake

- ✓ More durable and longer life
- ✓ Features 6 cutting tips

EXCLUSIVE

Spindle speed adjustment made simple

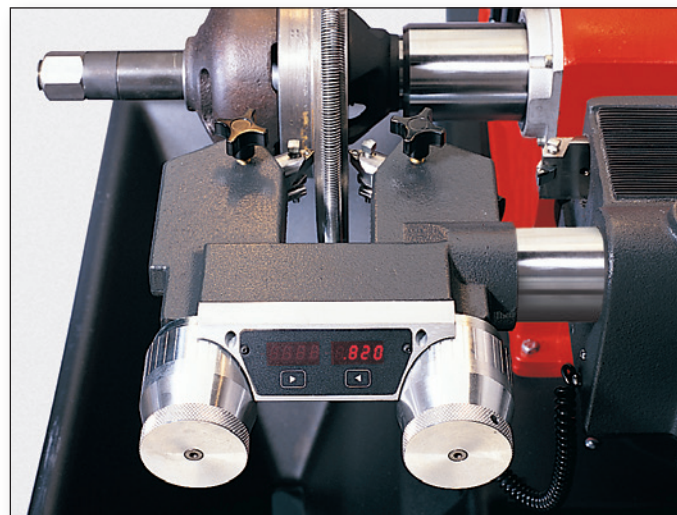
- ✓ Quickly adjustable between three working speeds
- ✓ No tools necessary
- ✓ Easy to access
- ✓ Protective housing keeps motor safe from metal chips and debris



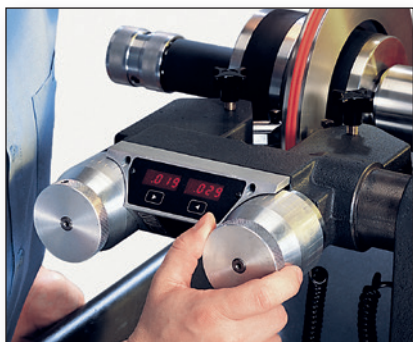
Digi-Cal instantly measures workpiece dimensions

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



Measures rotor thickness



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



Measures drum diameter

Quick calibration for greater accuracy

- ✓ Easy to perform
- ✓ Calibrate drum and rotor procedures in seconds
- ✓ Prevents accidental removal of excess material



Calibrates diameter

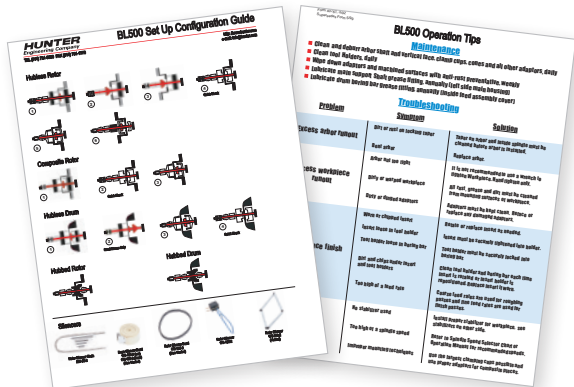


Calibrates thickness

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



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



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

* Requires a conventional shop vacuum with 2.5" inlet hose. (It is not supplied.)



BL505D-AB shown with HunterPro Level 4 Adaptor Kit, optional storage drawer and Dust Containment System.**



OPTIONAL Storage drawer

20-1236-1

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

Expand the range of your vehicle applications with additional accessories from Hunter

PATENTED

Hunter Passenger Car and Light Truck Adaptor Kits

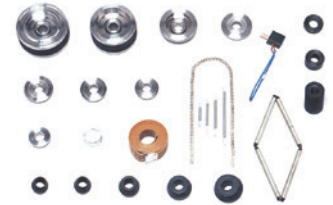


Customize your Hunter BL500 series lathe to match your service needs. Select the appropriate adaptor kit to service most rotors, drums and flywheels.

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

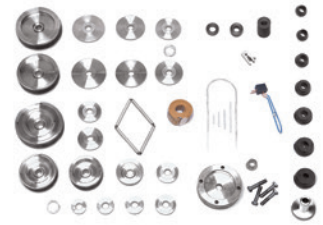
Consists of hubbed and hubless adaptors and three-jaw chuck mounting system. Covers a wide range of applications for most rotors, drums and flywheels for passenger cars, light trucks and larger light trucks.



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:	0.003 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

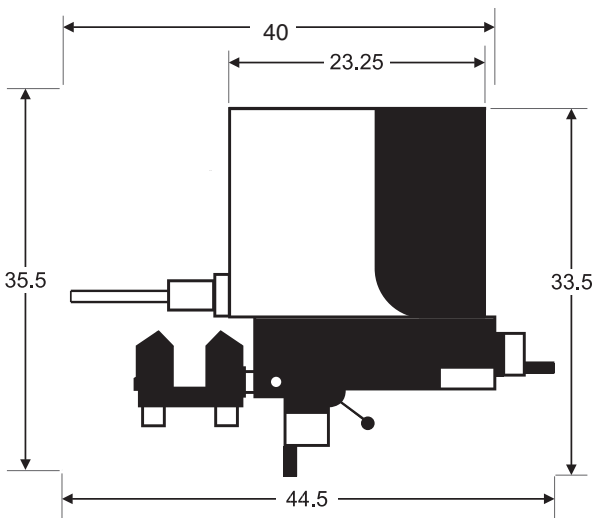
HunterPro Packages

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).*



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

Be sure to check out other literature for more quality products from Hunter Engineering.



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

0618WH

Copyright © 2018, Hunter Engineering Company.



HUNTER
Engineering Company

www.hunter.com

Form 3937-T, 06/18
Supersedes form 3937-T, 05/17