Form 3947T, 01/08
Supersedes 3947T, 09/06

Brake Lathe Packages and Accessories

For Hunter OCL Series and BL500 Brake Lathes

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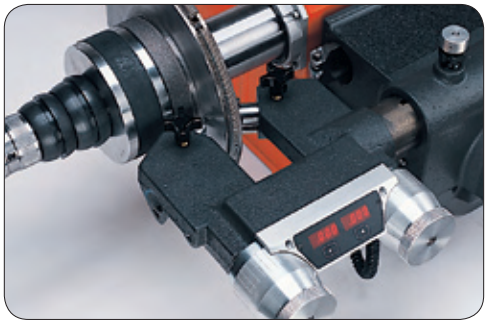
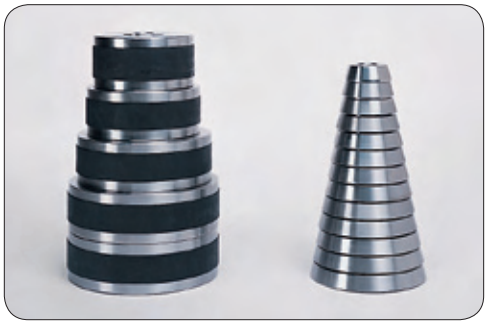


Digi-Cal* Auto Measurement Caliper 12



BL505/BL501 Hubless Adaptor Kits 16-17

** Patented ** Patent Pending*

On-Car Lathe Packages

OCL400 / OCL430MD / OCL360
On-Car Brake Lathes

OCL410A Lathe Package

Package contains on-car brake lathe with Pro-Comp® computerized compensation**, Trolley Adaptor Storage Bracket (20-1935-1), Swiveling Chip Tray (20-1936-1) and standard accessories. Adaptors are NOT included.

Build the OCL400A On-Car Lathe Package to match your service needs. **Select a required adaptor kit** from the list below to service most passenger cars, light trucks and some commercial vehicles *(See pgs. 6-7)*. Additional adaptors are available to customize the package *(See pgs. 8-10)*.

OCL Adaptor Level I: 20-2084-1
Passenger Car Adaptor Kit

OCL Adaptor Level II: 20-2085-1
Passenger Car and Light Truck Adaptor Kit

OCL Adaptor Level III: 20-2086-1
Passenger Car, Light- and Medium-Duty Truck Adaptor Kit

OCL430MD with standard accessories.

OCL430MD Lathe Package

Includes medium-duty on-car brake lathe and standard accessories. Adaptors are NOT included. Individual adaptors can be ordered to match your service needs, including use for passenger car and light truck applications.

Individual Flange Adaptors Are Available!
See Pages 8-9

Standard OCL Lathe Packages

- **OCL360**
  Includes on-car brake lathe with Standard Accessory Kit.
- **OCL360S†**
  Includes on-car brake lathe with single-point compensation and Standard Accessory Kit.
- **OCL410**
  Includes on-car brake lathe with Pro-Comp computerized compensation and Standard Accessory Kit.
- **OCL360-LT-PRO**
  Includes on-car brake lathe, Standard Accessory Kit and LT-PRO Kit (CTN-921).
- **OCL360S-LT-PRO†**
  Includes on-car brake lathe with single-point compensation, Standard Accessory Kit and LT-PRO Kit (CTN-921).
- **OCL410-LT-PRO††**
  Includes on-car brake lathe with Pro-Comp computerized compensation, Standard Accessory Kit and LT-PRO Kit (CTN-921).

† *All OCL360S Models include the OCL360, RP9-9032.0861 Single-Point Compensation Kit and 20-843-2 Dial Indicator Kit.*

†† *The Dial Indicator Kit is not necessary for use with the OCL400 packages.*

** *Patent Pending*

Compensation Options

OCL400 / OCL360
On-Car Brake Lathes

Adjust for Lateral Runout Quickly and Easily

Three methods of lateral runout compensation are available.
Choose the model that best fits your needs for saving time and increasing accuracy.

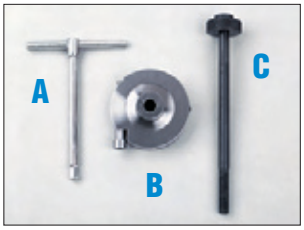
Pro-Comp® Computerized Compensation**
Models OCL410 and OCL430MD

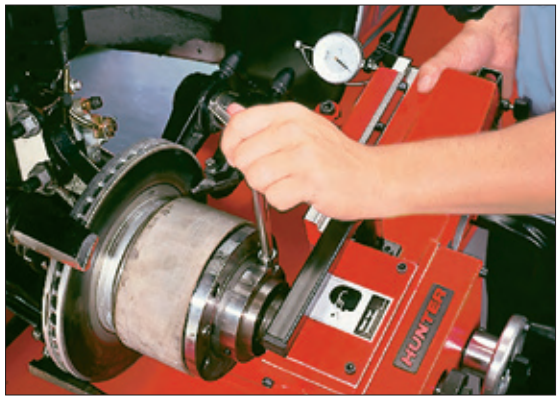
With the push of a button and a simple single-point adjustment, the OCL400 lathes quickly compensate for lateral runout. Compensation is greatly simplified with computer measurement, no longer requiring a time-consuming dial indicator or special tools.

Residual runout measurement after compensation is also possible with the touch of a button.

Manual Single-Point Compensation
Model OCL360S

Compensation of the hub, adaptor and lathe is achieved with a single-point adjustment. The compensation process is simplified and adjusting time is reduced.



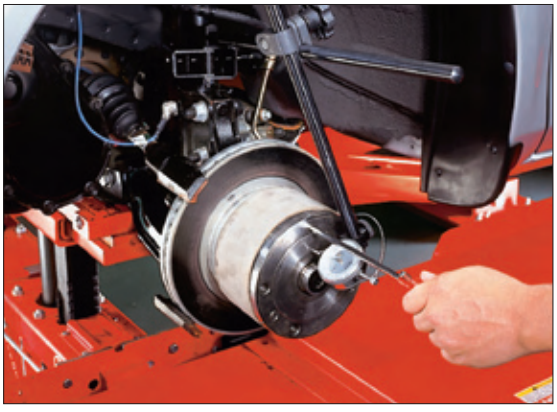


Single-Point Compensation Kit: RP9-9032.0861
includes:

- **A. 10mm T-Wrench** RP9-48017180
- **B. Single-Point Compensation Adaptor** . . RP9-85900200
- **C. Long Draw Bar** RP9-85980198

Manual Three-Point Adaptor Compensation
Model OCL360

Manual three-point runout compensation is accomplished at the adaptor. The lathe is then attached and the rotor machined.



Manual compensation shown using optional Dial Indicator & Universal Clamping Kit (20-843-2).

*** Patent Pending*

Standard Accessory Package

OCL400 / OCL360 On-Car Brake Lathes

Included with purchase of OCL400 Models.

A. Trolley Stand & Support Structure
For OCL400 (pictured at right) RP9-9032.0860B
For OCL360 (not pictured) RP9-9032.0860

B. 4 Lug Single Piece Flange 175-360-2
4 x 98mm, 4 x 100mm, 4 x 4.00", 4 x 4.25", 4 x 110mm, 4 x 4.50", 4 x 120mm

C. 5 Lug Single Piece Flange 175-361-2
5 x 100mm, 5 x 4.25", 5 x 110mm, 5 x 112mm, 5 x 4.50", 5 x 115mm, 5 x 120mm, 5 x 4.75"

D. Accessory Kit 20-1503-1
Includes storage box, spacer washers and lug nuts for use when existing lug nuts do not clear universal adaptor attachment bolts. Includes:

Lug Nut, 1/2"-20 (4 ea.)	76-131-2
Lug Nut, 12 x 1.5mm (4 ea.)	76-147-2
Lug Nut, 9/16"-18 (5 ea.)	76-299-2
Lug Nut, 14mm x 1.5mm (4 ea.)	76-300-2
Lug Nut, 12mm x 1.25mm (4 ea.)	76-357-2
Lug Nut, 7/16"-20 (4 ea.)	76-358-2
Lug Nut, 14mm x 2.0mm (4 ea.)	76-381-2
Lug Nut, 12 x 1.75mm (4 ea.)	76-409-2

E. Safety Glasses 179-15-2

F. Tool, 22 mm Socket Wrench RP9-43015782

G. Micro-Round Insert Kit 20-1418-1

H. Tool Holder, RH Rotor for Micro-Round Insert RP9-5398.0337R

I. Tool Holder, LH Rotor for Micro-Round Insert RP9-5398.0337L

J. Tool, 6 mm T-Wrench RP9-43017140

K. 3-Sided Insert & Tool Holder Kit ... 20-1991-1

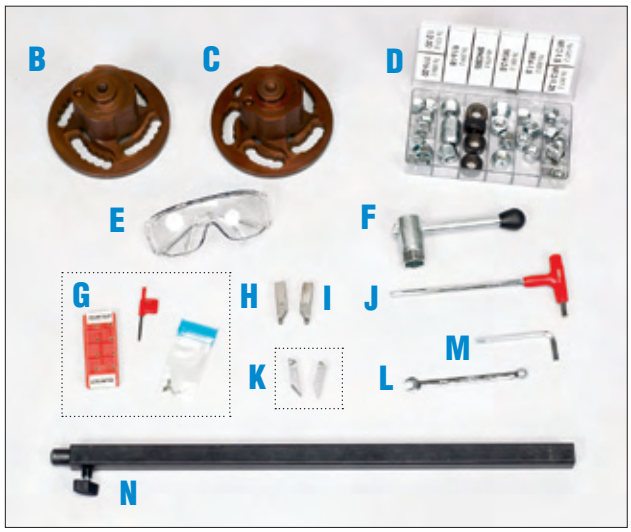
Tool holder, LH rotor, 0.060" radius	221-676-2
Tool holder, RH rotor, 0.060" radius	221-677-2
Inserts, 0.060" radius, positive rake, (6 screws / 6 inserts)	221-678-3

L. Tool, 8 mm Wrench 221-604-2

M. Tool, 8 mm Hex Key 221-637-2

N. Shaft Extension RP9-02010342
shown with knob... RP9-46010500
... and rod RP9-02010352

OCL410 LT-PRO with standard trolley.



Not Pictured:

Spacer Washers. 46-475-2

Precision machined spacer washers are placed under flange adaptor when neccesary, to clear studs with tall shoulders or hubs with exposed bolts. (4 ea.)

Adaptor Kits & Accessories

OCL400 / OCL360 / OCL430MD On-Car Brake Lathes

Build an OCL410A Lathe Package to match your service needs by selecting a required adaptor kit from the list below.†

The adaptor kits (Levels I through III) may also be used to upgrade any existing OCL lathe.

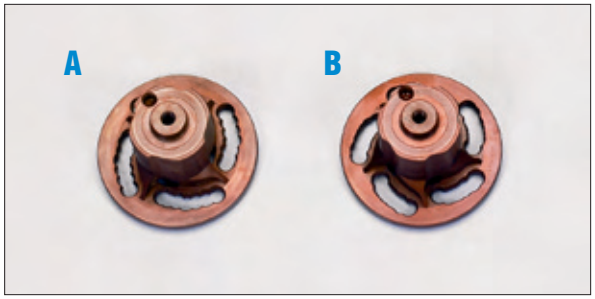
OCL410A ADAPTOR KIT LEVEL I: 20-2084-1

Consists of two adaptors with coverage for a wide range of applications fitting most passenger car and some light truck 4x2 rotors.

Kit includes:

A. Flange Adaptor 175-360-2

B. Flange Adaptor 175-361-2



OCL410A ADAPTOR KIT LEVEL II: 20-2085-1

Consists of seven adaptors with coverage for a wide range of applications fitting most late model passenger car and light truck 4x2 and 4x4 rotors including most 1-ton-sized vehicle applications.

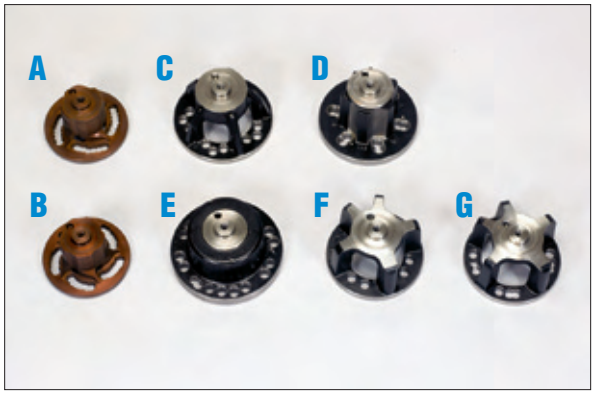
Kit includes:

A. Flange Adaptor 175-360-2

B. Flange Adaptor 175-361-2

C. Flange Adaptor RP9-9032-0941
5 x 135mm, 5 x 130mm, 5 x 150mm

D. Flange Adaptor RP9-9032-0943
6 x 135mm, 6 x 4.50", 6 x 115mm



E. Flange Adaptor RP9-9032-3218
6 x 6.50", 8 x 6.50", 8 x 170mm

F. Flange Adaptor RP9-9032-3220
5 x 5.00", 6 x 5.00"

G. Flange Adaptor RP9-9032-3219
4 x 5.50", 5 x 5.50", 6 x 5.50"

† *See Form 5144T for application guide and adaptor bolt circles for specific vehicle fitment details.*

OCL410A ADAPTOR KIT LEVEL III: 20-2086-1

Consists of eleven adaptors with coverage for a wide range of applications fitting most passenger car, light truck and 4x2 and 4x4 rotor applications including 1-ton-sized vehicle applications.

Kit includes:

A. Flange Adaptor. 175-360-2

B. Flange Adaptor. 175-361-2

C. Flange Adaptor. RP9-9032-0941
5 x 130mm, 5 x 135mm, 5 x 150mm

D. Flange Adaptor. RP9-9032-0943
6 x 135mm, 6 x 4.50", 6 x 115mm

E. Flange Adaptor. RP9-9032-0945
4 x 5.50", 5 x 5.50", 6 x 5.50"

F. Flange Adaptor. RP9-9032-3218
6 x 6.50", 8 x 6.50", 8 x 170mm

G. Flange Adaptor. RP9-9032-3220
5 x 5.00", 6 x 5.00"

H. Flange Adaptor. RP9-9032-3219
4 x 5.50", 5 x 5.50", 6 x 5.50"

I. Flange Adaptor. RP9-9032-0850
8 x 6.50", 8 x 170mm, 7 x 150mm

J. Flange Adaptor. RP9-9040-3121
6 x 6.50", 8 x 6.50", 8 x 170mm

K. Flange Adaptor. RP9-9032-0859
8 x 225mm, 10 x 7.25"

LT-PRO Accessory Kit

OCL400 / OCL360 On-Car Brake Lathes

The optional LT-PRO Kit enables the servicing of most passenger cars and light trucks up to and including 1-ton ratings. The kit includes a complete line of light-duty truck and passenger car adaptors.

Kit includes:

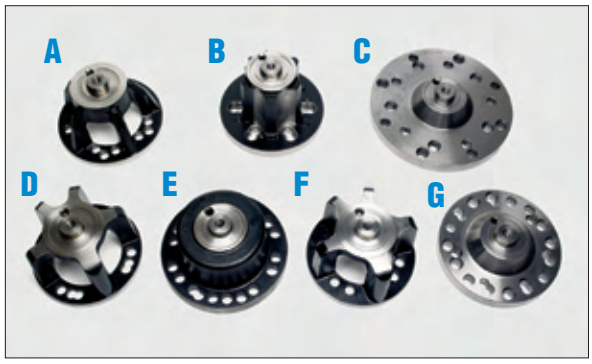
A. Flange Adaptor. RP9-9032-0941
5 x 135mm, 5 x 130mm, 5 x 150mm

B. Flange Adaptor. RP9-9032-0943
6 x 135mm, 6 x 4.50", 6 x 115mm

C. Flange Adaptor. RP9-9032-0859
8 x 225mm, 10 x 7.25"

D. Flange Adaptor. RP9-9032-3219
4 x 5.50", 5 x 5.50", 6 x 5.50"

E. Flange Adaptor. RP9-9032-3218
6 x 6.50", 8 x 6.50", 8 x 170mm



F. Flange Adaptor. RP9-9032-3220
5 x 5.00", 6 x 5.00"

G. Flange Adaptor. RP9-9032-0850
7 x 150mm, 8 x 6.50", 8 x 170mm

Passenger Car & Light Truck Adaptors

Flange Adaptor:
175-360-2

4 x 98mm, 4 x 100mm, 4 x 4.00", 4 x 4.25", 4x110mm, 4 x 4.50", 4 x 120mm

Acura, Alfa, Audi, BMW, Chrysler, Fiat, Ford, GM, Honda, Hyundai, Infiniti, Jeep, Peugeot, Mazda, Mitsubishi, Nissan, Porsche, Saab, Saturn, Subaru, Suzuki, Toyota, Volkswagen, Yugo

Flange Adaptor:
175-361-2

5 x 100mm, 5 x 4.25", 5 x 110mm, 5 x 112mm, 5 x 4.50", 5 x 115mm, 5 x 120mm, 5 x 4.75"

Acura, Alfa, Audi, BMW, Cadillac, Chrysler, Ford, GM, Honda, Infiniti, Jeep, Lexus, Mazda, Mercedes, Mitsubishi, Nissan, Peugeot, Porsche, Saab, Saturn, Subaru, Suzuki, Toyota, Volkswagen

Flange Adaptor:
RP9-9032.3219

4 x 5.50", 5 x 5.50", 6 x 5.50"

Chrysler 4x4's, Ford, GM, Isuzu, Lexus 4x4's, Mazda, Mitsubishi, Nissan, Subaru, Suzuki, Toyota.

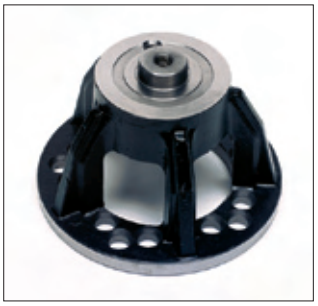
Recommended for late model 4x4 with non-protruding hubs.

Flange Adaptor:
RP9-9032.3220

5 x 5.00", 6 x 5.00"

Chrysler 4x4's, Ford, GM, RWD Passenger Cars & Light-Trucks.

Recommended for late model 4x4 with non-protruding hubs.



Flange Adaptor:
RP9-9032.0941

5 x 130mm, 5 x 135mm, 5 x 150mm

Ford Expedition / F-Series, Lexus LX470, Navigator, Porsche, Toyota 4x4 SUV and Landcruiser

Flange Adaptor:
RP9-9032.0943

6 x 4.50", 6 x 115mm, 6 x 135mm

Ford Expedition / '03 F-150, Lincoln Navigator

Flange Adaptor:
RP9-9032.0945

4 x 5.50", 5 x 5.50", 6 x 5.50"

Chrysler 4x4's, Ford, GM, Isuzu, Lexus 4x4's, Mazda, Mitsubishi, Subaru, Suzuki, Toyota.Recommended for early 4x4 with protruding hubs.

Flange Adaptor:
RP9-9032.3218

6 x 6.50", 8 x 6.50", 8 x 170mm

Chrysler, Dana Axle 4x4's, Ford Excursion / F-250 SD/ F-350 SD, GM, Jeep. Recommended for late model 4x4 with non-protruding hubs.

Flange Adaptor:
RP9-9032.0561

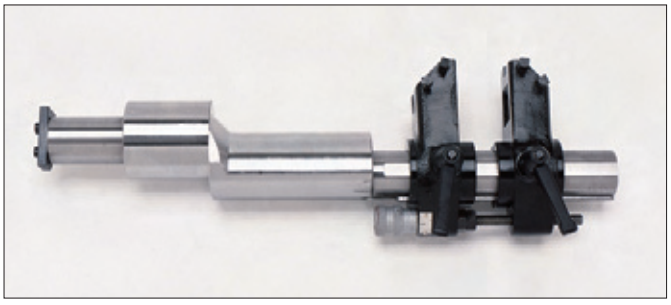
5 x 6.50", 5 x 155mm

Bentley, Defender, Discovery, Land Rover, Range Rover, Rolls-Royce

Flange Adaptor:
RP9-9032.0850

8 x 6.50", 8 x 170mm, 7 x 150mm

Chrysler Duallies 4x2's, Dodge 3/4- and 1-Ton 4x4's, Ford, GM



Extended Twin Cutter Tool Assembly: 20-1853-1
This kit greatly expands the diameter and offset capacity of OCL410/360 rotor lathes to service deep-offset rear rotors like those found on dual wheel 1-ton and medium-duty trucks. Service rear rotors with integral parking brakes commonly found in late model trucks, saving substantial labor expense and helping prevent possible damage by eliminating the need to remove the rotor.

Medium-Duty Adaptors

Flange Adaptor:
RP9-9032.0859

8 x 225mm, 10 x 7.25”

Ford F-450 / F-550 SD and GM 3500 HD (front axle)

Flange Adaptor:
RP9-9032.0877

6 x 222mm, 5 x 203mm

Isuzu medium-duty truck (front axle)

Flange Adaptor:
RP9-9040.0939

8 x 225mm

Ford F-450 / F-550 SD and GM HD trucks (rear axle), MD truck applications, rear rotors (dually)

Flange Adaptor:
RP9-9040.3120

6 x 8.75”, 10 x 8.75”

Ford F-450 / F-550 SD / F-350 DRW, imported Asian MD trucks, MD/ HD truck applications

Flange Adaptor:
RP9-9040.3121

6 x 6.5”, 8 x 6.5”, 8 x 170mm

Ford F-250 / F-350 SRW / F-350 DRW / F-450 / F-550 SD, MD truck applications

Flange Adaptor:
RP9-9040.3122

8 x 225mm, 10 x 225mm

Ford F-450 / F-550 SD / F-350 DRW, MD/ HD truck applications, Chrysler 4500-5500

Flange Adaptor:
RP9-9040.3123

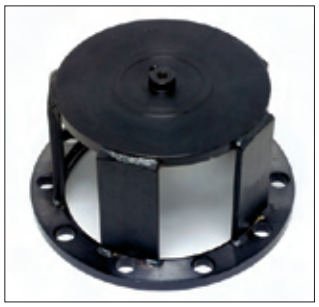
8 x 275mm

MD truck applications

Flange Adaptor:
RP9-9040.3124

8 x 285mm, 10 x 11.25”

Bus service, HD trucks, imported Asian MD trucks, MD/ HD truck applications (front axle)



Flange Adaptor:
RP9-9040.3125

10 x 335mm

HD truck applications

Flange Adaptor:
RP9-9040.3126

10 x 7.25”, 8 x 200mm

Ford F-450 / F-550 SD / F-350 DRW, GM / GMC P300 / P-Series (rear axle)

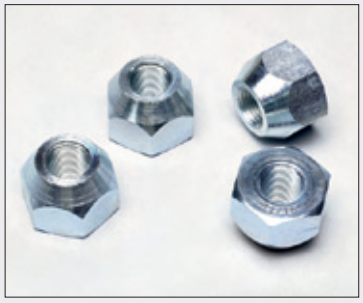
Flange Adaptor:
RP9-9040.3127

10 x 11.25”, 8 x 285mm

Recommended Lug Nut Kits For Use With OCL430MD Adaptors ⚠

OCL430MD Lug Nut Adaptor Options

- **Lug Nuts Kit: 20-2089-1**
  5/8"-18 – Includes (set of 4) Lug Nut (76-416-2)
- **Lug Nuts Kit: 20-2090-1**
  3/4"-16 – Includes (set of 4) Lug Nut (76-417-2)
- **Lug Nuts Kit: 20-2091-1**
  15/16"-12 – Includes (set of 4) Lug Nut (76-418-2)
- **Lug Nuts Kit: 20-2092-1**
  20mm x 1.5mm – Includes (set of 4) Lug Nut (76-419-2)
- **Lug Nuts Kit: 20-2093-1**
  22mm x 1.5mm – Includes (set of 4) Lug Nut (76-420-2)
- **Lug Nuts Kit: 20-2094-1**
  11/16"-16 – Includes (set of 4) Lug Nut (76-421-2)
- **Lug Nuts Kit: 20-2095-1**
  9/16"-18 – Includes (set of 4) Lug Nut (76-299-2)



Each Lug Nut Kit includes 4 lug nuts.

- **Lug Nuts Kit: 20-2096-1**
  14mm x 1.5mm – Includes (set of 4) Lug Nut (76-300-2)
- **Lug Nuts Kit: 20-2097-1**
  14mm x 2mm – Includes (set of 4) Lug Nut (76-381-2)

Lug Nut Application Chart

Bolt Circles	Vehicle Applications	Common Wheel Stud Size	Adaptor
6 x 8.75"	Asian MD Truck	M20x1.5	RP9-9040.3120
6 x 8.75"	MD Truck	3/4"-16	RP9-9040.3120
8 x 6.50"	MD Truck	5/8"-18 or M14 x 1.5	RP9-9040.3121/.0850
8 x 6.50"	MD Truck	M14 x 1.5	RP9-9040.3121/.0850
8 x 6.50"	Ford F-250 / F-350	5/8"-18	RP9-9040.3121/.0850
8 x 170mm	Ford F-450 / 550SD / F-350	M14x2.0	RP9-9040.3121/.0850
8 x 225mm	Ford F450 / 550SD / F-350	M14x2.0	RP9-9040.3122
8 x 275mm	MD Truck	M20x1.5 or M22x1.5	RP9-9040.3123
8 x 285mm	Imported Asian Truck	M20x1.5 or M22x1.5	RP9-9040.3124/.3127
8 x 6.50"	Ford F-250 / F-350 SRW	5/8"-18	RP9-9040.3121
8 x 275mm	MD Truck	M22 x 1.5	RP9-9040.3123
8 x 275mm	MD Truck	M20x1.5	RP9-9040.3123
10 x 7.25"	GM / GMC P300 / PSeries	5/8"-18	RP9-9040.3126
10 x 7.25"	Ford F-450 / 550SD / F-350	5/8"-18	RP9-9040.3126
10 x 8.75"	Medium / Heavy-Duty	3/4"-16	RP9-9040.3120
10 x 8.75"	Chevrolet GMC 1-1/2 to 2-Ton	11/16"-16	RP9-9040.3120
10 x 8.75"	Medium / Heavy-Duty	B' Lug = 3/4"-16	RP9-9040.3120
10 x 225mm	Medium / Heavy-Duty	F' Lug = M22 x 1.5	RP9-9040.3122
10 x 11.25"	Bus Service	3/4"-16 or 11/16"-16	RP9-9040.3124/.3127
10 x 11.25"	Medium / Heavy-Duty	3/4"-16	RP9-9040.3124/.3127
10 x 11.25"	HD Truck	M22 x 1.5	RP9-9040.3124/.3127
10 x 11.25"	Bus Service, MD / HD	3/4"-16 or 11/16"-16	RP9-9040.3124/.3127
10 x 11.25"	Medium / Heavy-Duty	3/4"-16	RP9-9040.3124/.3127
10 x 11.25"	Medium / Heavy-Duty	M22 x 1.5	RP9-9040.3124/.3127
10 x 11.25"	HD Truck	M22 x 1.5	RP9-9040.3124/.3127
10 x 335mm	HD Truck	15/16"-12	RP9-9040.3125
10 x 335mm	HD Truck	M22 x 1.5	RP9-9040.3125
10 x 335mm	HD Truck	15/16"-12	RP9-9040.3125
10 x 335mm	HD Truck	M22 x 1.5	RP9-9040.3125

⚠ *Lug nut sets should only be used with the adaptors and not used on wheels with flat washer designs.*

Bench Lathe Packages

BL505 / BL501 Bench Lathes

HunterPro™ Lathe Packages

- **BL505-AB†**
  HunterPro Lathe Package With Bench
  Includes BL505 combination brake lathe, bench with backboard, chip tray, storage hooks and Standard HunterPro Accessory Kit (20-1690-1). Adaptors are NOT included.
- **BL505-A†**
  HunterPro Lathe Package
  Package contains combination brake lathe and Standard HunterPro Accessory Kit (20-1690-1). Adaptors are NOT included.

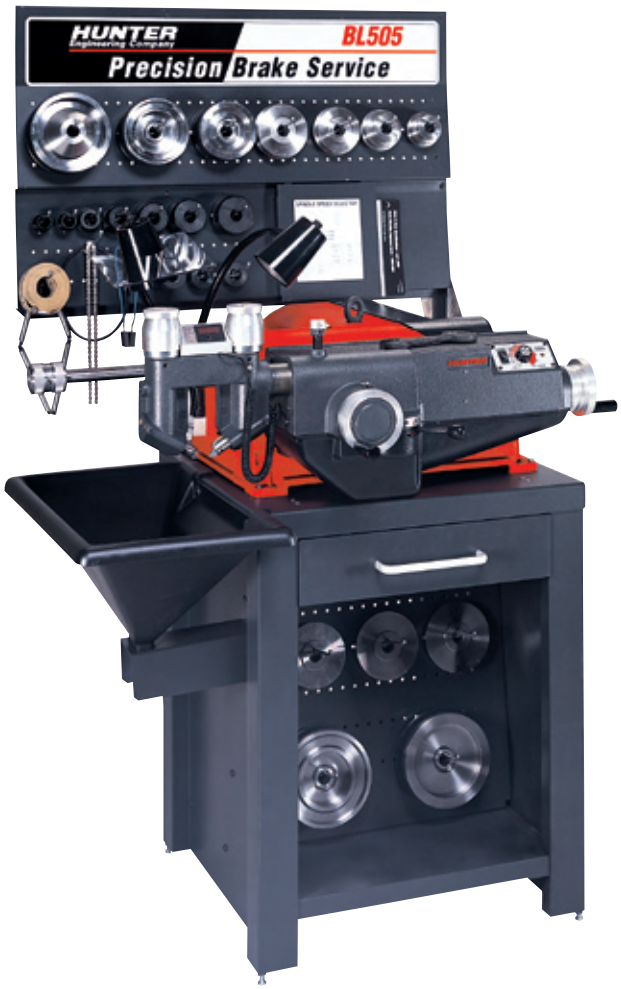
Build a HunterPro Lathe Package to match your service needs. Select a required adaptor kit from the list below to service most rotors, drums and flywheels *(See pgs. 16-17)*.

HunterPro Level I: 20-1665-1
Passenger Car Adaptor Kit

HunterPro Level II: 20-1666-1
Passenger Car & Light Truck Adaptor Kit

QuickChuck Level III: 20-1667-1
Passenger Car, Light- & Medium-Duty Truck Adaptor Kit

HunterPro Level IV: 20-1668-1
Passenger Car, Light- & Medium-Duty Truck Adaptor Kit



BL505D-AB shown with Level IV Adaptor Kit and optional storage drawer.

Standard Lathe Packages

- **BL505-B†**
  Lathe With Bench and Basic Adaptors
  Includes combination brake lathe, bench with backboard, chip tray, storage hooks and Standard Accessory Kit (20-1459-1).
- **BL505†**
  Lathe With Basic Adaptors
  Includes combination brake lathe with Standard Accessory Kit (20-1459-1).

Single-speed lathes are also available and can be ordered by requesting BL501 instead of BL505. For additional information on Hunter's BL500 Series Bench Lathes, see Form 3937T.

Additional Options

- **Lathe bench with backboard: 72-326-1**
  Includes chip tray, storage hooks and literature holder (if ordered separately).
- **Optional bench drawer: 20-1236-1**
  Add additional storage space to your bench with an optional drawer. Easily bolts in place.

† To order Hunter's Digi-Cal measurement option, add "D" after the model number (e.g., BL505-D) *(See pg. 14)*.

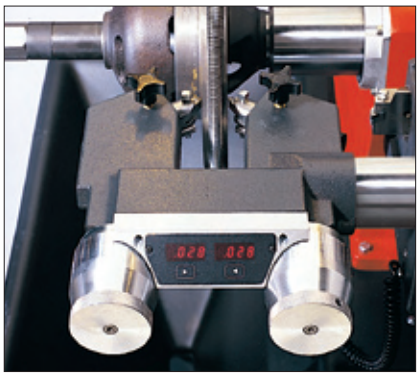
Digi-Cal Measurement Option

BL505 / BL501 Bench Lathes

Digi-Cal* Auto Measurement Caliper

- Instantly measures drum or rotor dimensions to determine if the workpiece should be discarded prior to machining.
- Automatically measures thickness of rotor, diameter of drum and even calculates total indicated runout.
- Determines depth of cut more accurately and quickly than traditional “slip collar” method.
- Switch between millimeters and inches with the touch of a button.
- Eliminates math errors and excess material removal.
- Hand-held measuring tools are not required.
- Provides confidence when performing “one-cut” operation.
- Calibration routine takes just a few seconds. Simply position the calibration tool and dial in the cutting tips.

Digi-Cal is a factory installed option.

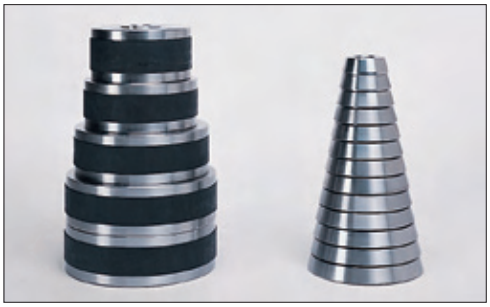


Measures Rotor Thickness

Measures Drum Diameter

HunterPro™ Lathe Accessories

BL505 / BL501 Bench Lathes



Hubless Adaptor Kits

- HunterPro™ Adaptors* enable technicians to quickly set up and accurately resurface automotive hubless and composite rotors and drums.
- Large banded spacers provide more mass, which reduce harmonic vibration and chatter, producing a superior surface finish.
- Available in **Automotive**, **Light Truck** and **Larger Light Truck Sets** *(See pgs. 16-18).*

Wrenchless Self-Aligning Nut: *††
76-377-2

- Combines the functions of a self-aligning brake lathe arbor spacer and a hand-tightening brake lathe arbor nut.
- Eliminates the problem of over-torquing the arbor nut on rotors or drums.

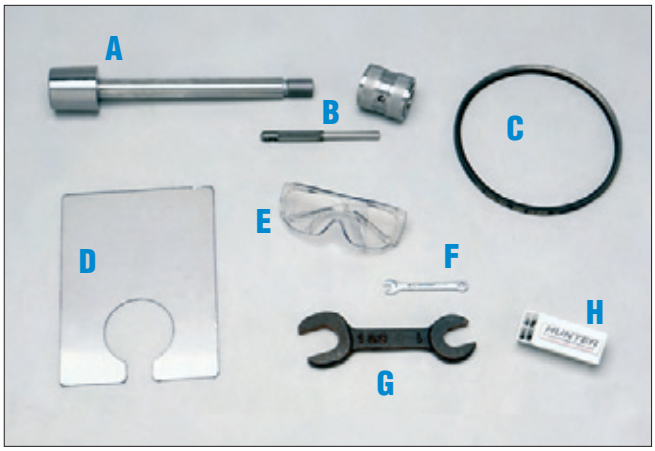
†† Included standard with BL505-AB and BL505-A Lathe Packages.

** Patented*

Standard HunterPro™ Package Accessories†

Included with purchase of BL505/BL501 AB/A models.

- **A. Arbor, 1", BL505** 97-422-2
- **B. HunterPro Wrenchless Self-Aligning Nut** 76-377-2
- **C. Belt, Micro-V 26"** 126-47-2
- **D. Eye Shield, Lamp Mounted** 179-27-2
- **E. Safety Glasses** 179-15-2
- **F. Tool, 5/16" Wrench** 221-604-2
- **G. Tool, 1" and 1-3/8" Wrench** 221-605-2
- **H. Inserts, Positive Rake (0.015" Radius Tip), 24-Pack** 221-640-3



Basic BL500 Series Standard Accessories†

Included with purchase of BL505/BL501 models.

- **A. Clamp Cup, 5.75" (2 ea.)** 175-231-2
- **B. Clamp Cup, 4.50" (2 ea.)** 175-233-2
- **C. Silencer, Drum Band** 175-186-2
- **D. Belt, Micro-V 26"** 126-47-2
- **E. Tool, 1" and 1-3/8" Wrench** 221-605-2
- **F. Tool, 5/16" Wrench** 221-604-2
- **G. Safety Glasses** 179-15-2
- **H. Silencer, Vented Rotor, Spring-Type** 175-276-1
- **I. Silencer, Rotor Solid** 175-189-2
- **J. Spacer, 0.50"** 46-439-2
- **K. Spacer, 1.00"** 46-440-2
- **L. Spacer, 4.00"** 46-513-2
- **M. Eye Shield, Lamp Mounted** 179-27-2
- **N. Dual Taper Adaptor, 1.10" – 1.60"** 175-308-2
- **O. Dual Taper Adaptor, 1.20" – 1.70"** 175-309-2
- **P. Dual Taper Adaptor, 1.60" – 2.10"** 175-310-2
- **Q. Dual Taper Adaptor, 1.90" – 2.50"** 175-311-2
- **R. Dual Taper Adaptor, 2.30" – 2.90"** 175-312-2
- **S. Cone, 1.44" – 2.75"** 192-111-2

- **T. Cone, 2.75" – 3.25"** 192-112-2
- **U. Cone, 3.06" – 4.00"** 192-113-2
- **V. Spring** 98-345-2
- **W. Silencer, Clip-On Disc and Chip Deflector** 175-185-2
- **X. Inserts, Positive Rake (0.015" Radius Tip), 4-Pack** 221-639-3
- **Y. Arbor, 1", BL505** 97-422-2
- **Z. Arbor Nut, 1"** (not shown) 76-338-2

† *Accessory kits shown also apply to Hunter's BL501 Lathes.*

HunterPro™ Adaptor Kits & Accessories

BL505 / BL501 Bench Lathes

Build the HunterPro Lathe Package to match your service needs by selecting a required adaptor kit from the list below.

The adaptor kits (Levels I through IV) may also be used to upgrade any existing lathe using a 1" arbor.

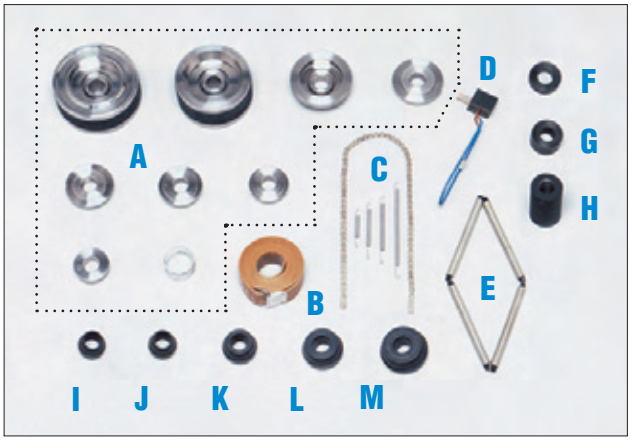
BL505D shown with optional Wrenchless Self-Aligning Nut.

LEVEL I – HunterPro Passenger Car Adaptor Kit: 20-1665-1

Consists of hubbed and hubless adaptors covering a wide range of applications fitting most passenger car rotors, drums and flywheels, including composites.

Kit includes:

- **A. HunterPro Automotive Kit** 20-1661-3
- **B. Silencer, Drum Band** 175-186-2
- **C. Silencer, Solid Rotor, Chain-Type** 222-38-2
- **D. Silencer, Clip-on Disc and Chip Deflector** 175-185-2
- **E. Silencer, Vented Rotor, Spring-Type** . . . 175-276-1
- **F. Spacer, 0.50"** 46-439-2
- **G. Spacer, 1.00"** 46-440-2
- **H. Spacer, 4.00"** 46-513-2
- **I. Dual Taper Adaptor, 1.10" – 1.60"** . . . 175-308-2



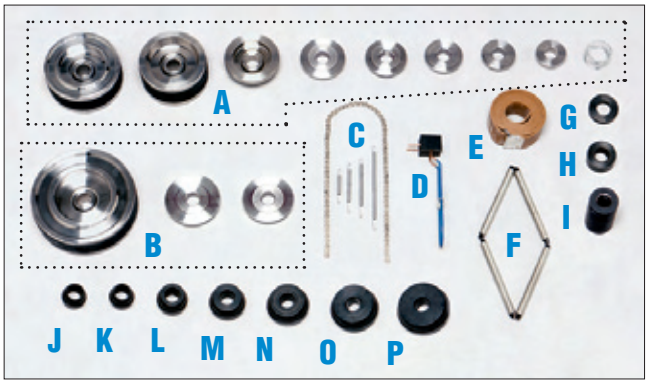
- **J. Dual Taper Adaptor, 1.20" – 1.70"** . . 175-309-2
- **K. Dual Taper Adaptor, 1.60" – 2.10"** . . 175-310-2
- **L. Dual Taper Adaptor, 1.90" – 2.50"** . . 175-311-2
- **M. Dual Taper Adaptor, 2.30" – 2.90"** . . 175-312-2

LEVEL II – HunterPro Passenger Car & Light Truck Adaptor Kit: 20-1666-1

Consists of hubbed and hubless adaptors covering a wide range of applications fitting most passenger cars and light truck rotors, drums and flywheels through 1/2-ton chassis, including composites.

Kit includes:

- **A. HunterPro Automotive Kit** 20-1661-3
- **B. HunterPro Light Truck Kit** 20-1662-3
- **C. Silencer, Solid Rotor, Chain-Type** . . 222-38-2
- **D. Silencer, Clip-on Disc and Chip Deflector** 175-185-2
- **E. Silencer, Drum Band** 175-186-2
- **F. Silencer, Vented Rotor, Spring-Type** . 175-276-1
- **G. Spacer, 0.50"** 46-439-2
- **H. Spacer, 1.00"** 46-440-2
- **I. Spacer, 4.00"** 46-513-2



- **J. Dual Taper Adaptor, 1.10" – 1.60"** . . 175-308-2
- **K. Dual Taper Adaptor, 1.20" – 1.70"** . . 175-309-2
- **L. Dual Taper Adaptor, 1.60" – 2.10"** . . 175-310-2
- **M. Dual Taper Adaptor, 1.90" – 2.50"** . . 175-311-2
- **N. Dual Taper Adaptor, 2.30" – 2.90"** . . 175-312-2
- **O. Dual Taper Adaptor, 2.70" – 3.20"** . . 175-313-2
- **P. Dual Taper Adaptor, 3.10" – 3.60"** . . 175-314-2

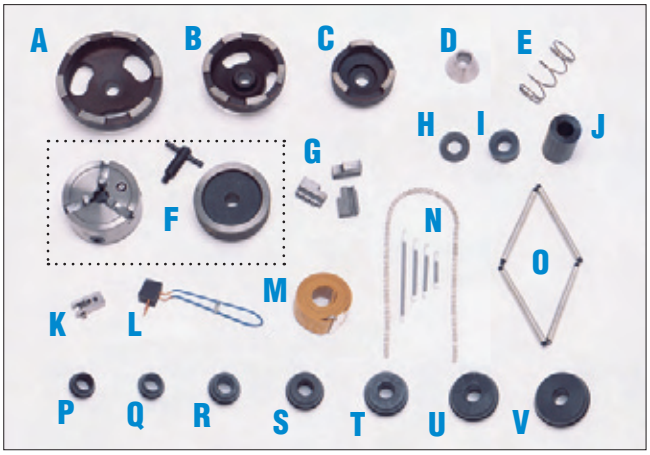
** Patented*

LEVEL III – QuickChuck™ Passenger Car, Light Truck & Larger Light Truck Adaptor Kit: 20-1667-1

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.

Kit includes:

- **A. Cup, Extra Large, 7.25”** 175-192-2
- **B. Cup, 5.75”** 175-231-2
- **C. Cup, 4.50”** 175-233-2
- **D. Cone, 1.44” – 2.75”** 192-111-2
- **E. Spring** 98-345-2
- **F. Three-Jaw Chuck Kit** 20-1273-1
- **G. Jaw Set (Only), Truck Size: 3.63” – 5.75”** 20-1274-2
- **H. Spacer, 0.50”** 46-439-2
- **I. Spacer, 1.00”** 46-440-2
- **J. Spacer, 4.00”** 46-513-2
- **K. Adaptor, Drum, Deep 1-ton (3.75” friction surface & wider)** 175-236-1
- **L. Silencer, Clip-on Disc** 175-185-2
- **M. Silencer, Drum Band** 175-186-2



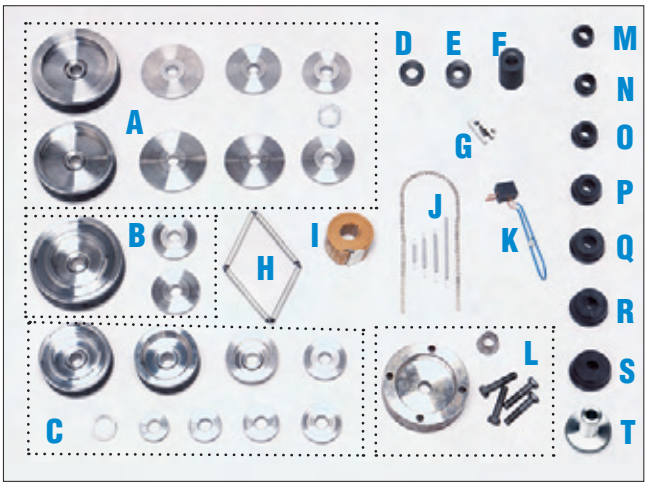
- **N. Silencer, Solid Rotor, Chain-Type** . . . 222-38-2
- **O. Silencer, Vented Rotor, Spring-Type and Chip Deflector** . . 175-276-1
- **P. Dual Taper Adaptor, 1.10” – 1.60”** . . 175-308-2
- **Q. Dual Taper Adaptor, 1.20” – 1.70”** . . 175-309-2
- **R. Dual Taper Adaptor, 1.60” – 2.10”** . . 175-310-2
- **S. Dual Taper Adaptor, 1.90” – 2.50”** . . 175-311-2
- **T. Dual Taper Adaptor, 2.30” – 2.90”** . . 175-312-2
- **U. Dual Taper Adaptor, 2.70” – 3.20”** . . 175-313-2
- **V. Dual Taper Adaptor, 3.10” – 3.60”** . . 175-314-2

LEVEL IV: HunterPro Passenger Car, Light-Truck & Larger Light Truck Adaptor Kit: 20-1668-1

Consists of hubbed and hubless adaptors covering a wide range of applications for most passenger cars, light truck and larger light trucks, including composites.

Kit includes:

- **A. HunterPro Light- and Medium-Duty Truck Kit** . . 20-1663-3
- **B. HunterPro Light Truck Kit** 20-1662-3
- **C. HunterPro Automotive Kit** 20-1661-3
- **D. Spacer, 0.50”** 46-439-2
- **E. Spacer, 1.00”** 46-440-2
- **F. Spacer, 4.00”** 46-513-2
- **G. Adaptor, Drum, Deep 1-ton (3.75” friction surface and wider)** 175-236-1
- **H. Silencer, Vented Rotor, Spring-Type** . 175-276-1
- **I. Silencer, Drum Band** 175-186-2
- **J. Silencer, Solid Rotor, Chain-Type** . . 222-38-2
- **K. Silencer, Clip-on Disc and Chip Deflector** 175-185-2
- **L. Adaptor, Rotor, ‘92 – Current 3/4- to 1-ton GM 4WD; ‘94 – Current 3/4- to 1-ton Dodge 2WD and 4WD** (includes 192-116-2 Small Cone, 1.31” – 1.75”) . . . 20-1424-1

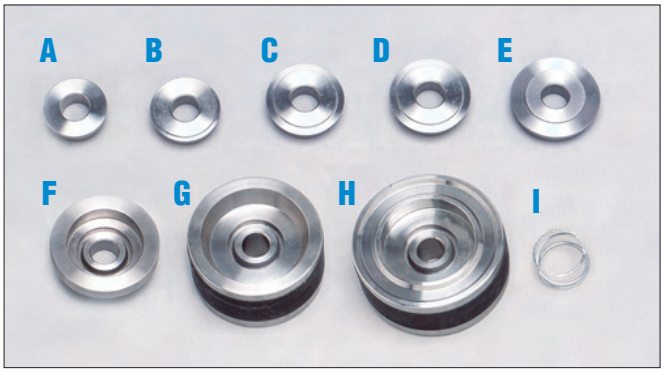


- **M. Dual Taper Adaptor, 1.10” – 1.60”** . . . 175-308-2
- **N. Dual Taper Adaptor, 1.20” – 1.70”** . . . 175-309-2
- **O. Dual Taper Adaptor, 1.60” – 2.10”** . . 175-310-2
- **P. Dual Taper Adaptor, 1.90” – 2.50”** . . . 175-311-2
- **Q. Dual Taper Adaptor, 2.30” – 2.90”** . . . 175-312-2
- **R. Dual Taper Adaptor, 2.70” – 3.20”** . . . 175-313-2
- **S. Dual Taper Adaptor, 3.10” – 3.60”** . . . 175-314-2
- **T. Bearing Support Flange** 51-2185-2
- **U. Tool Holder, Drum, Med. Duty Truck Parking Brk.** (not shown) 175-339-2

1” Arbor Kits

HunterPro™ Automotive Kit:* 20-1661-3

The ultimate in setup rigidity, this set covers most automotive rotors and drums in service today including most odd configured rotors. Fits most hubless cast/composite automotive rotors, drums and flywheels.

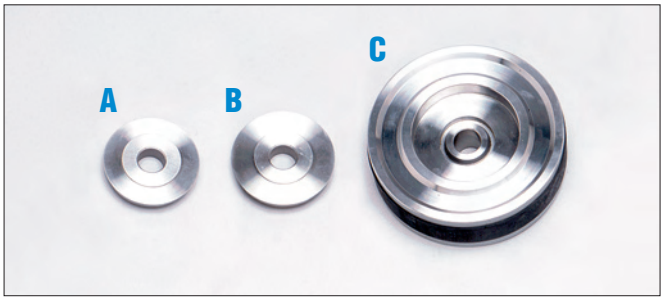


Kit includes:

A. Cone, Automotive Centering, 1.84” – 2.20” . . .192-134-2
B. Cone, Automotive Centering, 2.12” – 2.47” . . 192-135-2
C. Cone, Automotive Centering, 2.37” – 2.75” . . 192-136-2
D. Cone, Automotive Centering, 2.65” – 3.00” . . 192-137-2
E. Cone, Automotive Centering, 2.92” – 3.30” . . 192-138-2
F. Cone, Reversible Centering, 2.00” – 3.98” . . . 192-133-2
G. Flange Plate, 4.80” 51-1892-2
H. Flange Plate, Automotive Composite, 5.43” . . 51-1893-2
I. Flange Spring, 1.92” x 1.00” 98-383-2

HunterPro Light Truck Kit:* 20-1662-3

This set covers most light trucks up to 3/4 ton. Fits most hubless cast/composite light truck rotors, drums and flywheels. The 20-1662-3 set compliments the 20-1661-3 and must be used together.

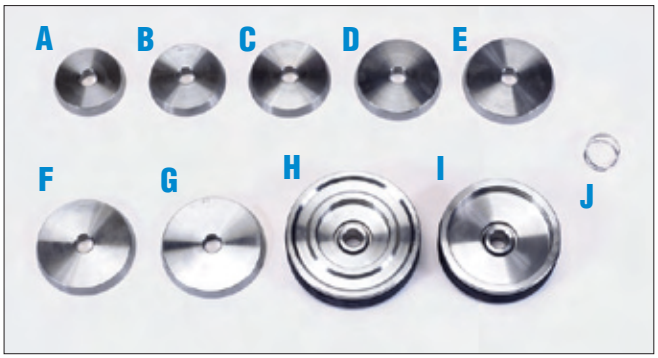


Kit includes:

A. Cone, Lt. Truck Centering, 3.20” – 3.57” . . . 192-139-2
B. Cone, Lt. Truck Centering, 3.47” – 3.85” . . . 192-140-2
C. Flange Plate, Lt. Truck Composite, 7.25” . . . 51-1894-2

HunterPro Larger Light Truck Kit:* 20-1663-3

This set covers most larger light trucks up to and including 1-ton and super-duty trucks. Fits most hubless cast/composite light truck rotors, drums and flywheels.



Kit includes:

A. Cone, Lt. Truck Centering, 3.75” – 4.12” . . . 192-141-2
B. Cone, Lt. Truck Centering, 4.03” – 4.40” . . . 192-142-2
C. Cone, Lt. Truck Centering, 4.30” – 4.67” . . . 192-143-2
D. Cone, Lt. Truck Centering, 4.57” – 4.95” . . . 192-144-2
E. Cone, Lt. Truck Centering, 4.85” – 5.22” . . . 192-145-2
F. Cone, Lt. Truck Centering, 5.12” – 5.50” . . . 192-146-2
G. Cone, Lt. Truck Centering, 5.40” – 5.75” . . . 192-166-2
H. Flange Plate, Large Lt. Truck, 7.25”. 51-1895-2
I. Flange Plate, Large Lt. Truck, 6.50” 51-1896-2
J. Flange Spring, 1.92” x 1.00” 98-383-2

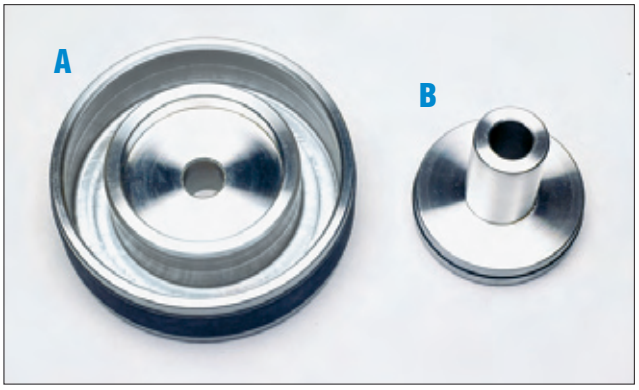
** Patented*

HunterPro F-150 Adaptor:** 20-2109-3

Addresses the 2004 and up Ford F-150 two-wheel-drive 6- and 7-lug front rotors with internal bearings, which are extremely difficult to setup and machine accurately with traditional brake lathe adaptors.

Kit includes:

A. Ford F-150 Flange Plate 51-2184-2
B. Bearing Support Flange 51-2185-2



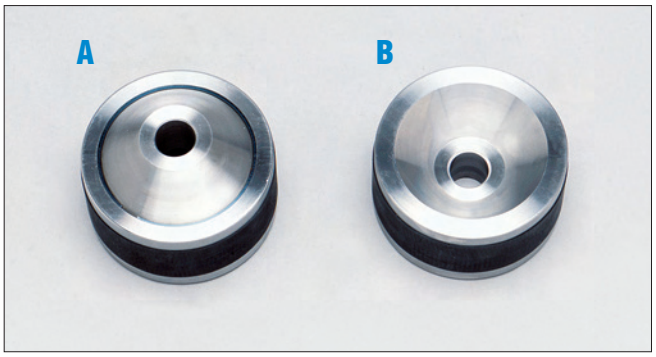
HunterPro Rotor Adaptor:* 20-1664-3

For hubless cast/composite auto and light truck rotors. Covers 90% of rotors in service today. Designed as an entry level or second adaptor set used in busy shops. Fits rotors with hub bore 1.85" - 3.75".

- Provides accurate mounting of cast and composite hubless rotors with only two adaptors.
- Captured mounting cone and spacer speeds setup. Ideal for high-volume shops.

Kit includes:

A. Captured Cone and Flange Spacer. . . 184-62-2
B. Flange Spacer 184-63-2

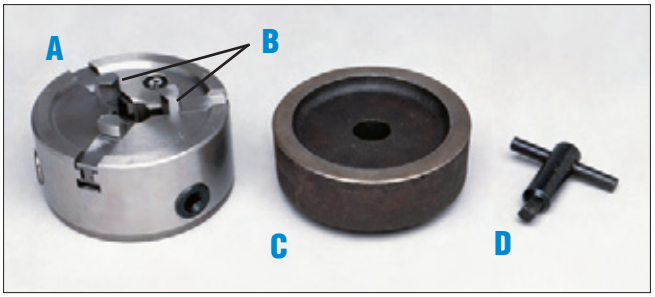


QuickChuck™ Adaptor Kit: 20-1273-1

Three-jaw chuck adaptor for hubless drums and rotors with center holes from 2.13" to 4.25" can obsolete all other adaptors for use with hubless drums. It offers the advantage of unparalleled centering ability combined with speed of setup.

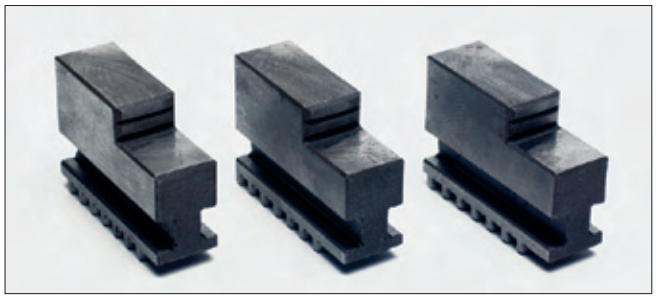
Kit includes:

A. Three-Jaw Chuck Adaptor without Jaws. . . .175-198-2
B. Jaws Set, Standard Size, 2.13"- 4.25" 20-1316-2
(shown installed in Three-Jaw Chuck)
C. Backing Plate, Medium, 5.13" 175-199-2
D. Tool, T-Wrench, Three-Jaw Chuck. 221-590-2



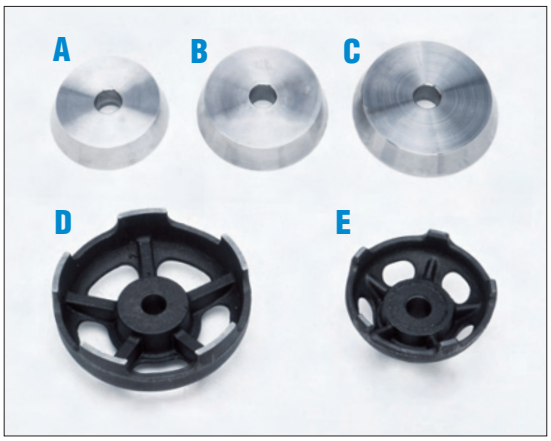
Truck Jaw Kit: 20-1274-2

Truck Jaws for 20-1273-1 for use in mounting hubless drums and rotors with center holes from 3.63" to 5.75". Must be ordered as a numbered set.



** Patented* *** Patent Pending*

1" Arbor Kits continued...



Extra-Large Cup and Cone Kit: 20-1378-1

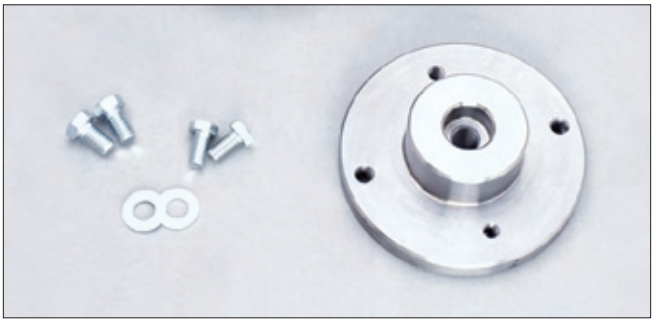
For 1" Arbors.

Kit includes:

A. Cone, 3.88" – 4.44".....192-118-2
B. Cone, 4.13" – 4.97".....192-119-2
C. Cone, 4.83" – 5.50".....192-120-2
D. Cup, Extra Large, 7.25" 175-192-2
E. Cup, Extra Large, 6.25" 175-251-2

Hubbed 2WD/4WD Rotor Adaptor: 20-1424-1

'92-current 3/4- to 1-ton GM 4WD, '94-current 3/4- to 1-ton Dodge 2WD and 4WD; includes Small Cone, 192-116-2 (not shown).

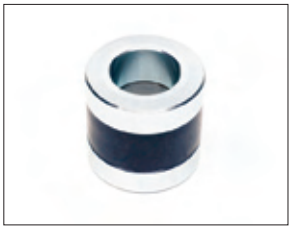


Pilotless Drum Adaptor Kit: 175-255-1

For mounting drums without pilot holes, such as VW and Subaru. Requires 97-431-2 for BL505 or 97-405-2 for early BL500 models.

Self-Centering Spacer: 46-432-2

Compensates for over-tightening arbor nut and some mounting errors encountered during setups.

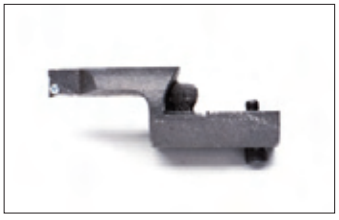


Deep 1-Ton Drum Adaptor: 175-236-1

Required when turning drums in which the friction surface is wider than 3.75".

Extra-Small Drum Adaptor: 175-250-1

For drums smaller than 7" diameter. Includes negative rake insert (221-583-2).



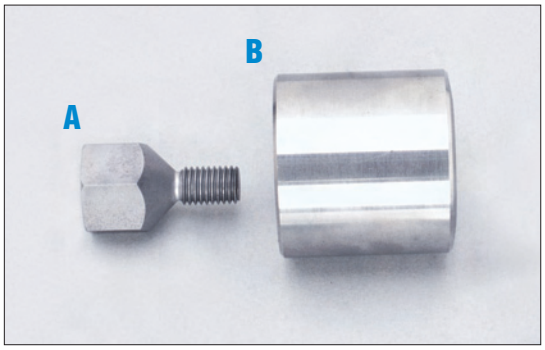
Taper Adaptor: 97-431-2

Required to mount flywheel kit, 20-1407-1 and pilotless drum kit, 175-255-1. Order 97-405-2 for BL500 models only.

Bushings Reducer Kit: 20-1333-1

Required when using 1-7/8" adaptors on 1" arbors. Set of three 113-213-2 adaptors.

** Patented*

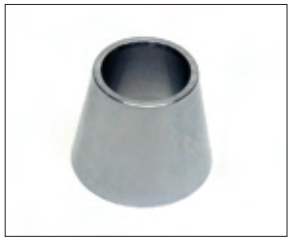


Flywheel Adaptor Kit: 20-1407-1
Mounts flywheels with a pilot hole smaller than 1".

Includes:

A. Flywheel Cone 175-247-2
B. Flywheel Base 175-253-2
Requires 97-431-2 for BL505 or
97-405-2 for BL500 models only.

Extra-Small Cup:
175-249-2
Cup, 3.50"

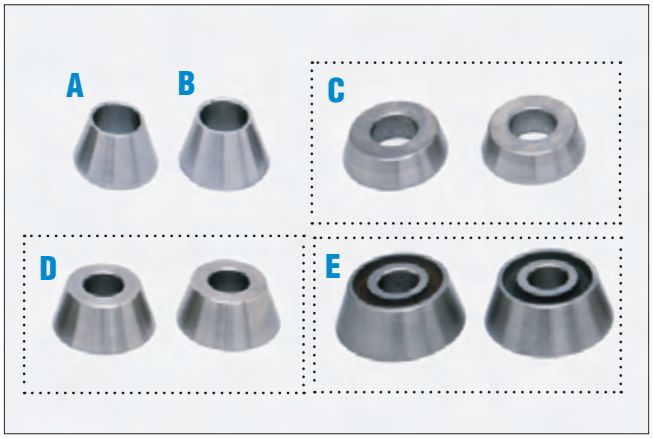


Extra-Small Cone:
192-116-2
Cone, 1.31" to 1.75"

1" Arbor x 9.3": 97-422-2
For the BL505/501 Series Lathes

1" Arbor x 9.3": 97-394-2
For use with BL500 model only (not shown).

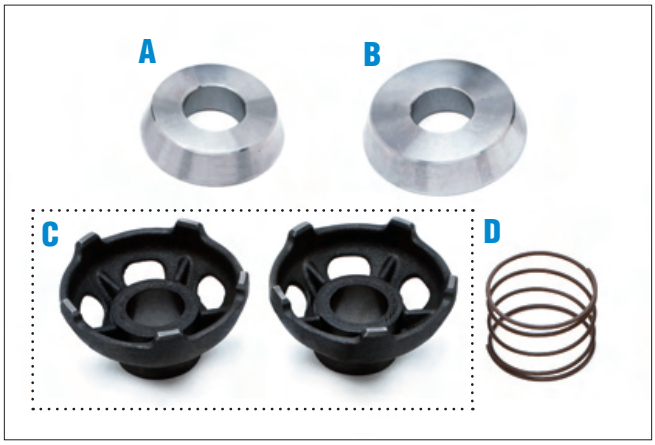
Bench Lathe 1-7/8" Arbor Kits



Hubbed Heavy-Duty Truck Adaptor Set: 20-1396-2
For mounting heavy-duty hubbed rotors and drums with center holes from 2.16" to 6.00". Cones can also be used for hubless rotors and drums with clamp cups 175-220-2, 175-219-2 and spring 98-344-2. 20-1490-1 or 20-1271-1 1-7/8" Arbor Kit required.

Kit includes:

A. Cone, 2.16" – 3.37" 192-100-2
B. Cone, 2.25" – 3.62" 192-121-2
C. Cone, 3.60" – 4.50" (2 ea.) 192-122-2
D. Cone, 3.50" – 4.87" (2 ea.) 192-123-2
E. Cone, 4.62" – 6.00" (2 ea.) 192-124-2



Hubless Medium-Duty Truck Adaptor Set: 20-1397-2
Use for mounting hubless medium-duty items with center holes from 3.83" to 5.00". 20-1490-1 or 20-1271-1, 1-7/8" Arbor Kit required.

Kit includes:

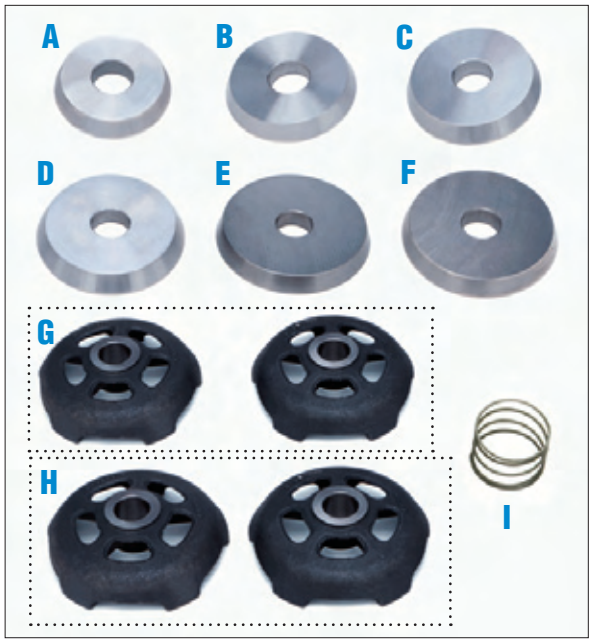
A. Cone, 3.82" – 4.42" 192-125-2
B. Cone, 4.35" – 5.00" 192-126-2
C. Clamp Cup, 6.25" (set of 2) 175-220-2
D. Spring 98-344-2

1-7/8" Arbor Kits continued...

Hubless Heavy-Duty Truck Adaptor Set: 20-1398-2
For mounting hubless heavy-duty components with center holes from 4.88" to 8.25". 20-1490-1 or 20-1271-1, 1-7/8" Arbor Kit required.

Kit includes:

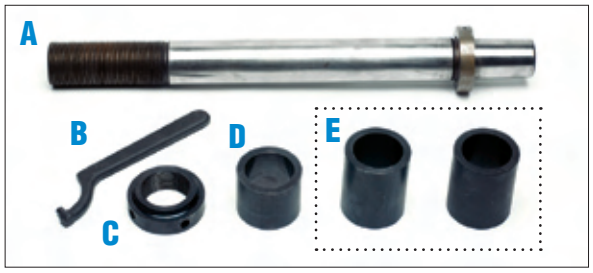
- **A. Cone, 4.88" – 5.50"** 192-105-2
- **B. Cone, 5.44" – 6.03"** 192-106-2
- **C. Cone, 5.97" – 6.50"** 192-107-2
- **D. Cone, 6.50" – 7.44"** 192-127-2
- **E. Cone, 7.00" – 7.64"** 192-109-2
- **F. Cone, 7.58" – 8.17"** 192-110-2
- **G. Clamp Cup, 7.25" (2 ea.)** 175-354-2
- **H. Clamp Cup, 9.25" (2 ea.)** 175-219-2
- **I. Spring** 98-344-2



1-7/8" Arbor Kit: 20-1490-1
1-7/8" HD Arbor Kit for the BL505/501.

Kit includes:

- **A. Arbor, 1-7/8" x 17"** 97-420-2
- **B. Tool, Spanner Wrench** 221-584-2
- **C. Nut, 1-7/8" Arbor** 76-342-2
- **D. Spacer, 2"** 46-448-2
- **E. Spacer, 3" (2 required)** 46-449-2



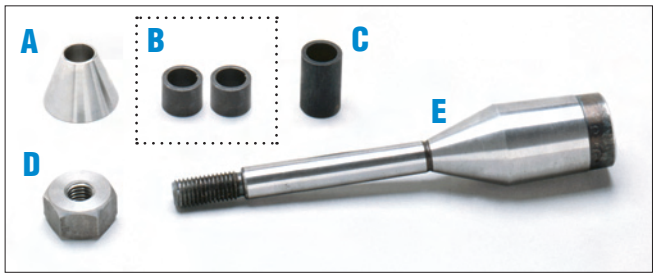
1-7/8" Arbor Kit: 20-1271-1
Same as 20-1490-1, except the arbor (97-404-2) has a smaller taper for the BL500 model (not shown).

11/16" Arbor Kit

11/16" Arbor Kit: 20-1489-1
11/16" Arbor Kit for mounting splined, hubbed rotors without having to remove the sealed bearings (BL505).

Kit includes:

- **A. Cone, 0.70" to 1.70"** 192-115-2
- **B. Spacer, .75" (2 ea.)** 46-446-2
- **C. Spacer, 1.50"** 46-447-2
- **D. Nut, Arbor 11/16"** 76-341-2
- **E. Arbor, 11/16" – 7.13"** 97-432-2

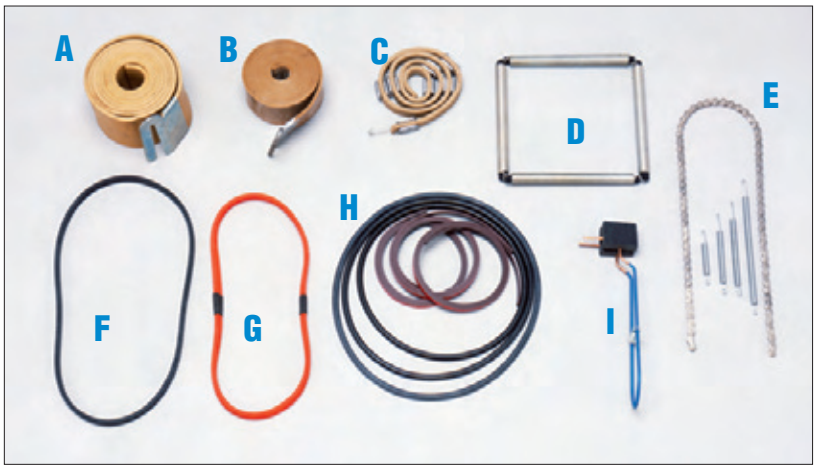


Arbor Kit: 20-1272-1
Same as 20-1489-1 except the arbor (97-400-2) has a smaller taper for the BL500 model (not shown).

Lathe Silencers

BL505 / BL501 Bench Lathes

Hunter lathe silencers are ideal for damping out resonant vibration that can occur during the machining of drums and rotors.



A. Silencer, Truck Drum 175-187-2

B. Silencer, Drum Band, ...175-186-2
Standard

C. Silencer, Vented 175-188-2
Rotor Band

D. Silencer, Vented Rotor, ...175-276-1
Spring-Type

E. Silencer, Solid Rotor, ...222-38-2
Chain-Type* Includes:
Silencer, Rotor 7" O-Ring 222-39-2
Spring, 0.25" x 2.57" 98-384-2
Spring, 0.25" x 3.75" 98-385-2
Spring, 0.25" x 4.53" 98-386-2
Spring, 0.25" x 6.44" 98-387-2

F. Silencer, Rotor Solid, ...175-190-2
Large

G. Silencer, Rotor Solid, ...175-189-2
Small

H. Silencer, Rotor, Anti-Chatter . . .20-1105-1
Kit for Solid Rotors Includes:
Silencer, Rotor 7" O-Ring 223-49-2
Silencer, Rotor 8" O-Ring 223-50-2
Silencer, Rotor 9" O-Ring 223-51-2
Silencer, Rotor, Solid, ...58-134-2
Magnetic Bands (set of 3)

I. Silencer, Clip-On Disc 175-185-2
and Chip Deflector

Inserts & Tool Holders

OCL400 / OCL430MD / OCL360 & BL505 / BL501 Brake Lathes

Inserts, insert holders and tool holders are interchangeable and used for machining rotors and drum applications.

A. Tool Holder, Drum, Negative Rake 221-603-2

B. Tool Holder, Drum, Positive Rake, ...221-643-3
(Standard with any BL500 Series Lathe)

C. Tool Holder, Rotor, LH, Negative Rake . . .221-581-2

D. Tool Holder, Rotor, LH, Positive Rake, . .221-641-3
(Standard with any BL500 Series Lathe)

E. Tool Holder, Rotor, RH, Negative Rake . . .221-582-2

F. Tool Holder, Rotor, RH, Positive Rake, . . .221-642-3
(Standard with any BL500 Series Lathe)

G. Tool Holder, Drum, Med. Duty Truck 175-339-2
Parking Brake (For BL500 Series Lathes)

** Patented*

Inserts & Tool Holders

OCL400 / OCL430MD / OCL360 & BL505 / BL501 Brake Lathes

H. Tool Holder, Rotor, Angled LH, ... 221-615-2
Positive Rake, Foreign Car

I. Tool Holder, Rotor, Angled RH, ... 221-616-2
Positive Rake, Foreign Car

J. Inserts, Negative Rake (0.030" Radius . . . 221-580-2
Tip), 4-Pack

Inserts, Positive Rake (0.015" Radius . . . 221-639-3
Tip), 4-Pack, Standard (not shown)

K. Inserts, Positive Rake for Foreign 221-651-2
Car Tool Holder

L. Inserts, Negative Rake (0.030" Radius . . . 221-617-2
Tip), 24-Pack

Inserts, Positive Rake (0.015" Radius . . . 221-640-3
Tip), 24-Pack (not shown)

M. Inserts, Positive Rake (0.030" Radius . . . 221-538-3
Tip) 6-Pack

N. Micro-Round Insert Kit 20-1418-1
Includes:
Inserts, Micro-Round, 10-pack 221-626-3
Insert Tool, Torx #7 Micro-Round Insert 221-628-2
Insert Screws, Torx #7, Micro-Round Insert . . . 75-556-2

O. Tool Holder, LH Rotor RP9-53980337L
Micro-Round Insert

P. Tool Holder, RH Rotor RP9-53980337R
Micro-Round Insert

Q. 3-Sided Insert & Tool Holder Kit 20-1991-1
Includes:
Tool Holder, LH Rotor, .060" radius. 221-676-2
Tool Holder, RH Rotor, .060" radius 221-677-2
Inserts, Positive Rake, .060" radius 221-678-3
(6 screws and 6 inserts)

Dust Containment System

BL505 / BL501 Bench Lathes

NEW!

BL500 Dust Containment System

Part No. : 20-2122-2

- Designed to contain brake machining dust and metal particles that can potentially stain wet surfaces in the automotive shop environment.
- Dust Cover can be unhinged and quickly removed as needed.
- Access window allows easy viewing of work piece during machining.
- Models BL505C-AB or BL505DC-AB can be ordered with Containment System as a single part number, or Containment System can be sold as an accessory and added to an existing lathe bench.
- The Dust Containment System requires a conventional shop vacuum with 2.5” inlet hose; NOT supplied with the Containment System.

For More Information on Hunter® Brake Lathes…

For more information on Hunter BL500 Series Brake Lathes, ask your Hunter sales representative for a copy of Form 3937T.

For information on Hunter On-Car Brake Lathes, ask your Hunter sales representative for a copy of Form 5071T.

Visit our website at www.hunter.com

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

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