

# Brake Lathe Equipment



**BOSCH**

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# BL 8944L Multi-Speed Brake Lathe



Shown on optional 8939 Bench with 8010 adapter group

- ▶ World class brake lathe design with the added versatility of infinitely adjustable rotor and drum feed speeds.
- ▶ Machines the most drums, flywheels, and all types of rotors including cross drilled and slotted of any model lathe.
- ▶ Three (3) available arbor speeds; 100, 150, 200 provides an optimum level of versatility.
- ▶ Increased arbor speed provides for machining times as low as 4 minutes.
- ▶ Positive rake tooling yields 'one pass' finish cut every time.
- ▶ True machine shop design utilizing dovetail ways and adjustable gibbs.
- ▶ Tapered roller bearing supported spindle designed for maximum longevity.
- ▶ Brake lathe requires the purchase of an adapter group.
- ▶ Arbors and accessories are easily interchangeable, allowing lathe to be readily adapted to a diversity of applications.

## Model BL 8993 Brake Shop Available

BL 8944L	Brake Lathe
8010	Bronze Adapter Group
8939	Deluxe Bench
040100	Accessory Package
436054	Truck Set
434295	Double Taper Radius Cone Set
434060	Rotor Micrometer
434287	Drum Wear Gauge

# BL 8922L Combination Brake Lathe



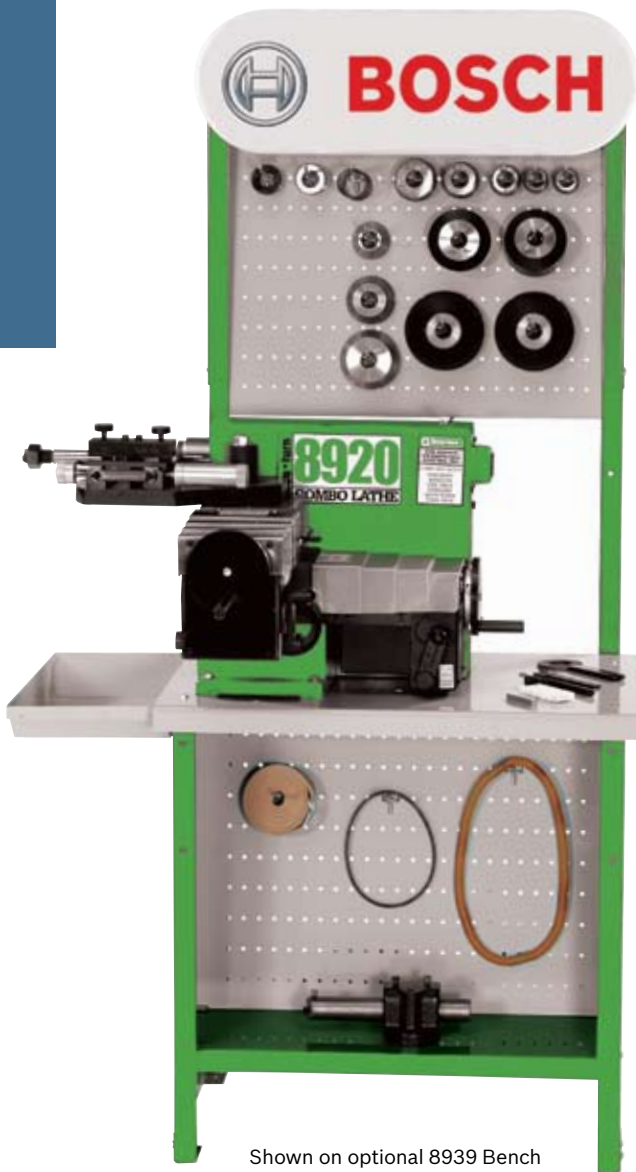
Shown on optional 8939 Bench  
with 8010 adapter group

- ▶ The original world class single pass lathe that changed the industry.
- ▶ Positive rake tooling yields 'one pass' finish with single cut every time.
- ▶ Machines most drums, flywheels, and all types of rotors including cross drilled and slotted.
- ▶ True machine shop design utilizing Dovetail Ways and Adjustable Gibbs.
- ▶ Tapered roller bearing supported spindle designed for maximum longevity.
- ▶ Tested and Approved by O.E.'s for machining rotors to their high standards and specifications.
- ▶ Brake lathe requires the purchase of an adapter group.
- ▶ Arbors and accessories are easily interchangeable, allowing lathe to be readily adapted to a diversity of applications.

## Model BL 8991 Brake Shop Available

BL 8922L	Brake Lathe
8010	Bronze Adapter Group
8939	Deluxe Bench
040100	Accessory Package
436054	Truck Set
434295	Double Taper Radius Cone Set
434060	Rotor Micrometer
434287	Drum Wear Gauge

# BL 8920L High Speed Brake Lathe



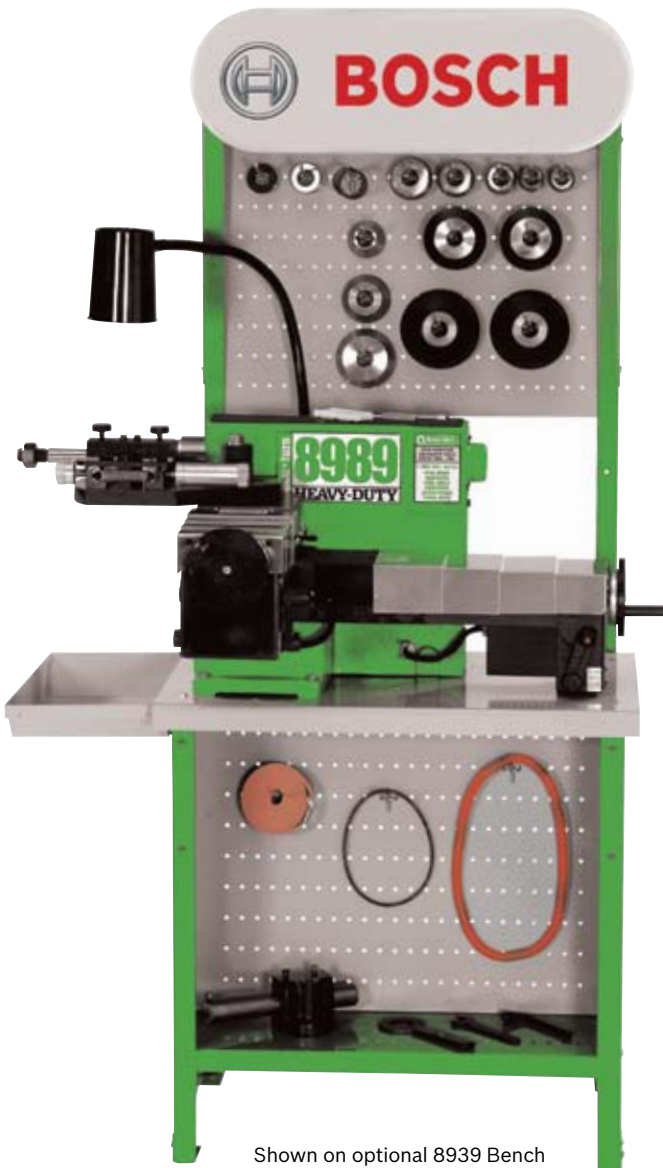
Shown on optional 8939 Bench  
with 8010 adapter group

- ▶ Increased arbor speed provides machining times as low as 4 minutes with a single speed design.
- ▶ Positive rake tooling yields 'one pass' finish cut every time. No need for multiple passes.
- ▶ True machine shop design utilizing Dovetail Ways and Adjustable Gibbs.
- ▶ Brake lathe requires the purchase of an adapter group.
- ▶ Arbors and accessories are easily interchangeable, allowing lathe to be readily adapted to a diversity of applications.

#### Model BL 8990 Brake Shop Available

BL 8920L	Brake Lathe
8010	Bronze Adapter Group
8939	Deluxe Bench
040100	Accessory Package
436054	Truck Set
434295	Double Taper Radius Cone Set
434060	Rotor Micrometer
434287	Drum Wear Gauge

# BL 8989 Heavy Duty Combination Brake Lathe



Shown on optional 8939 Bench with 8010 adapter group

- ▶ Medium and heavy truck lathe with a full 10" drum facing width.
- ▶ Shops available with oversized extended arbor and outboard support increasing the lathe capacity to 600 lbs. for rear drum/tire assemblies.
- ▶ Two (2) arbor speeds; 52 and 105 for safe truck machining.
- ▶ Positive rake tooling yields 'one pass' finish cut every time.
- ▶ True machine shop design utilizing dovetail ways and adjustable gibbs.
- ▶ Oversized tapered roller bearing supported spindle designed for maximum longevity.
- ▶ Full range of complete brake service shop as well as accessories to handle virtually any medium or heavy truck application.
- ▶ Includes #8010 Bronze adapter group standard.
- ▶ Arbors and accessories are easily interchangeable, allowing lathe to be readily adapted to a diversity of applications.

## Model BL 8995 Brake Shop Available

BL 8989	Heavy-Duty Combination Brake Lathe
8939	Deluxe Bench w/Background
040100	Accessory Package
434060	Micrometer, Disc Rotor
436367	Drum Wear Gauge
434465	Heavy-Duty Adapter Set
434466	1 7/8" Arbor w/Outboard Support Assembly
434469	Heavy-Duty Boring Bar Assembly
434472	Step-Down Adapter Set, 1 7/8" to 1"
434661	Double Taper Radius Cone Set, 1 7/8"

# Specifications

	BL 8920L	BL 8922L	BL 8944L	BL 8989
Power Requirements	115 Volt, 50/60 Hertz *220 Volt, 1 Phase Opt.	115 Volt 50/60 Hertz *220 Volt, 1 Phase Opt.	115 Volt, 50/60 Hertz *220 Volt, 1 Phase Opt.	115 Volts, 50/60 Hertz *220 Volt, 1 Phase Opt.
<b>Rotor</b>				
Capacity	4"-24" (102-610 mm)	4"-24" (102-610 mm)"	4"-24" (102-610 mm)	4"-24" (102-610 mm)
Maximum Width of Surface	4 1/2" (114 mm)	4 1/2" (114 mm)	4 1/2" (114 mm)	4 1/2" (114 mm)
Maximum Thickness	2 1/4" (57 mm)	2 1/4" (57 mm)	2 1/4" (57 mm)	2 1/4" (57 mm)
<b>Drum</b>				
Capacity	6"-28" (152-711 mm)	6"-28" (152-711 mm)	6"-28" (152-711 mm)	6"-24" (152-610 mm)
Depth of Cut	6" (152 mm)	6" (152 mm)	6" (152 mm)	10" (254 mm)
<b>Flywheel (Flat or Stepped)</b>				
Capacity	N/A	6"-24" (152-610 mm)	6"-24" (152-610 mm)	6"-24" (152-610 mm)
Friction Surface Capacity	N/A	6" (152 mm)	6" (152 mm)	6" (152 mm)
<b>Drum/Rotor/Flywheel Max. Weight</b>				
On Standard Arbor	150 lbs. (68 kg)	150 lbs. (68 kg)	150 lbs. (68 kg)	150 lbs. (68 kg)
On Heavy Duty Arbor	300 lbs.(136 kg)	300 lbs.(136 kg)	300 lbs.(136 kg)	300 lbs.(136 kg)
On Heavy Duty Arbor w/Outboard Support	N/A	N/A	N/A	600 lbs. (273 kg) X
<b>Spindle Speed</b>	180 RPM	105 RPM	100-150-200 RPM	52-105 RPM
<b>Feeds Per Revolution</b>				
Rotor	0.0046" (0.117 mm)	0.0030" (0.077 mm)	0.001"-0.010"	0.0030" (0.077 mm)
Drum	0.0046" (0.117 mm)	0.0046" (0.117 mm)	0.0015"-0.015" (0.039mm-0.381 mm)	0.0046"-0.0092" (0.117 mm-0.234 mm)
<b>Motor</b>	1/2 HP (0.350 kW)	1 HP (0.700 kW)	1 HP (0.700 kW)	1 HP (0.700 kW)
<b>Weight</b>				
Net 469 lbs. (213 kg)	469 lbs. (216 kg)	474 lbs. (215 kg)	500 lbs. (227 kg)	525 lbs.
Shipping Gross	560 lbs. (255 kg)	560 lbs. (255 kg)	560 lbs. (255 kg)	560 lbs. (255 kg)

## Standard Tools (Included with all models)



433701	Arbor 1" (25 mm)	433764	Left Hand Tool Holder
433713	Arbor Nut	433782	Drum Silencer
433702	Drawbar	433774	Spacer, Twin Cutter
436410	Wrench, 1 1/2"	433172	Boring Bar Assembly
434559	Wrench, 7/8" (22 mm)	433715	Washers (not pictured)
434558	Wrench, 3/8" (10 mm)	433633	T-Bolt
433750	Twin cutter Assembly with	4B4280	Washer (Qty 2)
433796	Carbide Inserts, 10 pack	433617	Nut (Qty 2)



## Bronze Adapter Group #8010 for Passenger Cars, Light Trucks

433703	Bell Clamp; 5.56" (Qty 2)	433711	Double Taper; 2.44"-2.85"
433704	Bell Clamp; 4.06" (Qty 2)	433710	Double Taper; 2.075"-2.45"
433707	Centering Cone; 3"-4"	433709	Double Taper; 1.7"-2.08"
433706	Centering Cone; 2.25"-3.25"	433708	Double Taper; 1.31"-1.71"
433705	Centering Cone; 1.5"-2.5"	433963	Double Taper; 1.25"-1.65"
433712	Spacer; 1"	433785	Silencer, Rotor Vented, Large
433716	Spring	433789	Silencer, Non-vented, Small

# Adapter Groups



## Silver Adapter Group #8020 for Passenger Cars, Light Trucks

### #8011 Automotive Kit Includes:

460572	Flange Plate; 4.80"
460573	Reversible Center Cone; 2.00"-3.98"
460574	Arbor Spacer; 2.00" (Qty 2)
460575	Automotive Composite Flange Plate; 5.43"
460579	Automotive Cone; 1.84"-2.20"
460580	Automotive Cone; 2.12"-2.47"
460581	Automotive Cone; 2.37"-2.75"
460582	Automotive Cone; 2.65"-3.00"
460583	Automotive Cone; 2.92"-3.30"
460592	Arbor Spring; 1.92" x 1.00"

### Silencers Includes:

438190	Spring Silencer Band
438195	Chain Silencer Band
434296	Clip-On Silencer

### Double Taper Adapters Includes:

433711	Double Taper; 2.44"-2.85"
433710	Double Taper; 2.075"-2.45"
433709	Double Taper; 1.7"-2.08"
433708	Double Taper; 1.31"-1.71"
433963	Double Taper; 1.25"-1.65"



## Gold Adapter Group #8030 for Passenger Cars, Light through 1/2 Ton Truck

### #8011 Automotive Kit Includes:

460572	Flange Plate; 4.80"
460573	Reversible Center Cone; 2.00"-3.98"
460574	Arbor Spacer; 2.00" (Qty 2)
460575	Automotive Composite Flange Plate; 5.43"
460579	Automotive Cone; 1.84"-2.20"
460580	Automotive Cone; 2.12"-2.47"
460581	Automotive Cone; 2.37"-2.75"
460582	Automotive Cone; 2.65"-3.00"
46058	Automotive Cone; 2.92"-3.30"
460592	Arbor Spring; 1.92" x 1.00"

### Silencers Includes:

438190	Spring Silencer Band
438195	Chain Silencer Band
434296	Clip-On Silencer

### Double Taper Adapters Includes:

433711	Double Taper; 2.44"-2.85"
433710	Double Taper; 2.075"-2.45"
433709	Double Taper; 1.7"-2.08"
433708	Double Taper; 1.31"-1.71"
433963	Double Taper; 1.25"-1.65"

### #8012 Light Truck Kit Includes:

460578	Light Truck Composite Plate; 7.25"
460584	Light Truck Centering Cone; 3.20"-3.57"
460585	Light Truck Centering Cone; 3.47"-3.85"



## Platinum Adapter Group #8040 for Passenger Cars, Composite Rotors, and Light Trucks through 1 Ton Trucks

### #8011 Automotive Kit Includes:

460572	Flange Plate; 4.80"
460573	Reversible Center Cone; 2.00"-3.98"
460574	Arbor Spacer; 2.00" (Qty 2)
460575	Automotive Composite Flange Plate; 5.43"
460579	Automotive Cone; 1.84"-2.20"
460580	Automotive Cone; 2.12"-2.47"
460581	Automotive Cone; 2.37"-2.75"
460582	Automotive Cone; 2.65"-3.00"
460583	Automotive Cone; 2.92"-3.30"
460592	Arbor Spring; 1.92" x 1.00"

### 434295 Truck Double Taper Set Includes:

434289	Truck Double Taper; 2.840"-3.195"
434290	Truck Double Taper; 3.190"-3.560"

### Silencers Includes:

438190	Spring Silencer Band
438195	Chain Silencer Band
434296	Clip-On Silencer
434650	Heavy Drum Silencer Band (not pictured)

### Double Taper Adapters Includes:

433711	Double Taper; 2.44"-2.85"
433710	Double Taper; 2.075"-2.45"
433709	Double Taper; 1.7"-2.08"
433708	Double Taper; 1.31"-1.71"
433963	Double Taper; 1.25"-1.65"

### #8012 Light Truck Kit Includes:

460578	Light Truck Composite Plate; 7.25"
460584	Light Truck Centering Cone; 3.20"-3.57"
460585	Light Truck Centering Cone; 3.47"-3.85"

### #8013 Larger Light Truck Kit Includes:

460576	Large Light Truck Flange Plate; 7.25"
460577	Large Light Truck Flange Plate; 6.50"
460586	Light Truck Centering Cone; 3.75"-4.12"
460587	Light Truck Centering Cone; 4.03"-4.40"
460588	Light Truck Centering Cone; 4.30"-4.67"
460589	Light Truck Centering Cone; 4.57"-4.95"
460590	Light Truck Centering Cone; 4.85"-5.22"
460591	Light Truck Centering Cone; 5.12"-5.50"

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