

Standard Brake Lathe Accessories

The RTI BRC35 is caliper-mounted, ensuring that the machined rotor surface will be virtually parallel to the disc brake pad plane. This and the microfinish, created by the BRC35's variable feed and speed, guarantees the maximum contact of brake pad to rotor surface area possible. Run-out, brake squeal, pedal pulsation, and adverse steering symptoms are eliminated. Brake performance is enhanced and comebacks are eliminated. No other lathe at any price offers so much precision!

In addition to the Lathe Head and the Hub Drive Motor, the following standard Accessories are part of the BRC35 package:

Description	Quantity	Description	Quantity
Handle	1	Bolt (8 mm) (70 mm lg.)	2
Twin Cylinder Clamp (80 mm)	2	Bolt (10 mm) (70 mm lg.)	2
Silencer Band	1	Threaded Adapter #3	2
Hex Key Wrench (6 mm)	1	Threaded Adapter #5	2
Hex Key Wrench (8 mm)	1	Threaded Adapter #9	2
Mounting Spacer	6	Threaded Adapter #44	2
Threaded Bar	2	Threaded Adapter #48	2
S-Hook	2	Threaded Adapter #60	2
Power Cable	1	Carrying case	1
Hollow Adapter (48 mm lg.)	2		

Brake Lathe Technical Specifications

Lathe:		Stand and geared motor:	
Weight:	18 lbs. (8 kg)	Weight:	56 lbs. (25 kg)
Max disc capacity:		Height:	16" to 48" (41 cm-122 cm)
Diameter	No practical limit	Hub drive speed:	60 RPM or 120 RPM
Stroke	3.35" (85 mm)	Hub drive motor:	.5 HP
Thickness	1.57" (40 mm)	Electrical:	115V, 60Hz (USA)
Cut adjustment:	.002" (0.05 mm) per division		220-240V, 50-60Hz (export)
Variable feed	.002" to .009" per rotor	U.S. Patents:	5,499,563;

rate:	revolution	5,549,023
Feed motor:	12 volt D.C.	
Cutting tips:	Positive rake carbide with 3 edges	

Popular Brake Lathe Accessories

The standard RTI BRC35 includes the adapters necessary for most general repair operations focusing on front brakes of front-drive cars with pre-loaded wheel bearings. Additional adapters may be desired if the BRC35 is to be used on 4WD and rear wheel drive vehicles. RTI recommends that only genuine RTI cutting tools be used for best results. Information in regards to other service/repair parts is available by contacting RTI's Technical Support Department.

Cutting Tools 10 Pack Negative Rake	P/N 080-80000-68
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Package of 10 Negative Rake Cutting tips for BRC35 units having black tool holders.

Cutting Tools 10 Pack Positive Rake	P/N 080-80102-00
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Package of 10 Positive Rake Cutting tips for BRC35 units having silver tool holders.

Twin Cylinder Mounting Clamp 100 mm	P/N 080-80000-11
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Extra long clamp, useful for some rear brake applications to allow unit to more easily clear wheel wells. Also needed for some 4WD applications.

Ford Adapter F150 Type	P/N 080-80000-70
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Special adapter that mounts to Ford "sliding caliper" designs in light-medium duty trucks.

Ford Adapter F350 Type	P/N 080-80000-74
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Special adapter that mounts to Ford "sliding caliper" designs on heavier duty trucks.

GM Adapter "W" Body	P/N 080-80000-82
<p>Adapter specially designed by RTI to allow on-the-car turning on "W" body GM cars with composite rotors and stamped steel steering knuckles. Turning these rotors on a bench lathe with good results is difficult. The adapter provides a high degree of rigidity allowing good results with the BRC35 as long as the axle bearings are not worn to a point where bearing pre-load is below spec.</p>	
Wheel Drive Brackets Extended	P/N 080-80000-81
<p>Larger legs allow connection to larger diameter bolt circles used in medium duty trucks, and allows clearance for most larger 4WD hubs. 2 required.</p>	
Adapter Kit Toyota Full Coverage	P/N 380-80017-00
<p>Includes additional adapters for Toyota 4WD and late model Previa. Includes (2) 100mm long Twin Cylinder Mounting Clamps and Extended Wheel Drive Brackets. Standard BRC35 includes adapters for Toyota cars.</p>	
Adapter Kit Deluxe Full Coverage	P/N 380-80008-01
<p>Includes threaded 8mm adapter for high volume operations that prefer this design over standard hollow pin set-up. Includes 7/16" threaded adapter for Ford rear wheel drive applications. Also includes contents of Toyota Full Coverage Kit as well as Ford F150 and GM "W" Body adapters. 10 pack of positive rake cutting tools included. This should be ordered for shops buying the BRC35 that want maximum coverage.</p>	
Lifting Spring Kit	P/N 380-80020-00
<p>Special kit with gas charged spring to counterweight and assist movement of BRC35's Power Drive Unit. Fits newest "slot" type adjustment stands. Field installation without special tools. Will also fit older type stands with some minor modification.</p>	

Dial Indicator Set Central Tool 6624 Precision Gauge for Run-out

P/N 080-80103-00

Made by a leading manufacturer to RTI's specifications. Uses a "vice grip" clamp and adjustable "goose neck" type stand for mounting. Dial indicator is graduated to allow precise readings of ten-thousands of an inch. A necessary tool for precision brake machining and as a sales tool to justify the need for on-the-car TI BRC35.

Demo/Training Stand w/Chip Tray

P/N 380-80007-00

Special heavy-duty tripod stand, easily disassembled for transport. Includes Ford Tempo/Escort Steering Knuckle, Wheel Bearing and Hub. Rotor not included. Recommended for distributor sales professionals in selling/training. Also recommended for larger shops in on-going training of new technicians. The BRC35's operation can be easily and quickly learned, especially by technicians already experienced in the use of a bench lathe. However, the patented adjustability of the RTI BRC35, with variable feed and speed is best learned initially through practice on a demo/training stand so as to realize the full potential of the BRC35's superior capability. This item can be rented from RTI by contacting RTI's Technical Support Department.

Vibration/Noise Dampener

P/N 080-80000-04

A simple elastic 3/8" wide dampener is supplied with the BRC35. Replacements are available as a service part. Almost any of the many types and brands of commercially available dampeners are acceptable according to the shop and technician's preference.

Everything you need for on-the-car brake service.