coats

Engineered to Perform. Designed to Last.

6450 3D HEAVY DUTY WHEEL BALANCER

Heavy-Duty balancing performance with the push of a button.

BAR NONE, THE BEST HEAVY-DUTY BALANCER IN THE BUSINESS

Master your toughest tasks with Coats® heavy-duty wheel balancers. Engineered for peak performance, our comprehensive range of heavy-duty balancers stands out as some of the most reliable and robust equipment available. Each model is equipped with a suite of advanced features designed to streamline your workflow and enhance efficiency.

From the first push of a button, you're in complete control. Load wheel parameters and automatically index the wheel to the weight positions. And with the Stop and Lock feature, you can lock the spindle firmly in place at the weight location for easier, more accurate weight installation. Coats heavy duty balancers also come standard with an AC Vector Drive motor, which shaves 20 seconds off a typical 22.5" wheel spin. And with the laser Tape-A-Weight™ weight placement capability, you'll achieve more one-spin balances than ever before.

It all adds up to making your toughest balancing jobs faster and easier, for years to come. Heavy-Duty Balancing Performance with the Push of a Button.

Who We are

The Coats Company is a leading, global manufacturer and distributor of automotive service equipment and solutions. Based in Nashville, TN, we work with shops and dealerships around the world.

What We Do

- Maximize your uptime with our durable & reliable products
- Improve productivity with the fastest floor to floor times
- Provide easy to use equipment and solutions to our customers

Why Coats

- Legacy - For over 75 years, Coats has been trusted by shops and dealers across the country
- Reliability - Customer and technical service when you need it most
- Profitability - Our products make your shop or dealership more efficient and profitable

6450 3D Balancer Kit

The 6450 3D Balancer features a robust 1.5 HP motor that speeds up operations, simultaneous static and dynamic data display, and laser-guided weight placement. These high-volume balancers are designed for efficiency with features like Auto Data Entry and Auto Indexing, ensuring accurate and rapid wheel balancing.

#8K64501PHKIT (1ph)
#8K64503PHKIT (3ph)

#8302010510

Balancer Kit Includes

- ✓ 6450 3D Heavy Duty Wheel Balancer
- ✓ 575 Wheel Lift
- ✓ Cone Set (8308630 Large, 868629 Medium, 8308628 Small)
- ✓ Heavy Duty Truck Kit for 50mm Shaft lets you confidently and accurately center large 6, 8, and 10 lug truck wheels, including hub and stud piloted wheels, so you get accurate balancing results the first time, every time.

Features that Boost Precision and Efficiency

- Powerful 1.5 HP direct drive motor shaves 20 seconds off a typical 22.5” spin.
- Static on screen provides simultaneous display of static and dynamic data and identifies any excess residual static imbalance.
- 500 lbs. Met Lab / UL approved.
- Easy-to-read LED readouts.
- Auto indexing automatically moves the wheel to the required weight positions
- Stop and Lock feature locks the spindle firmly in place for easier, more accurate weight placement.
- Auto Data Entry for all three parameters with one touch. Just drop the hood and go.

DCS™ Functionality – Exclusively from Coats.

DCS™ (Dual Calibration Software) is exclusive to Coats 6450 wheel balancers. Unlike others, it uses two independent calibrations for heavy-duty and passenger vehicles, dynamically adjusting balancing parameters for each job. This provides the benefits of two machines in one.

6450 3D Balancer Kit Specifications

	6450-3D
Part Number	#8K64501PHKIT (1ph), #8K64503PHKIT (3ph)
Max. Tire Diameter	52″
Max. Tire Width	20″
Max. Tire Weight	500 lbs. (UL)
Stop On Top	Stop & Lock
Auto Indexing	Yes
Motor Size	NEMA FRAME 213 1.5 hp Direct
Cycle Time	R11 22.5 (200 lb.) 18 sec.
Balancing Modes	11
Shaft Diameter	2″ (51 mm)
Overall Dimensions	72″ w x 62″ d
Shipping Weight	1,100 lbs

Accessories

Accessory	Part Number	6450 3D HD Balancer	Range
Heavy Duty Truck Kit for 50mm Shaft	8302010510	Included	6, 8, 10 lug truck wheels
Budd Cone and Backing Plate Kit	8109877	Optional	8.52”- 8.89”
Stud Piloted Budd Wheel Adapter Kit	8143935	Included	22.5” and 24.5”
Small Cone	8308628	Included	2.44” - 3.12”
Large Cone	8308630	Included	2.98”- 5.06.”
Truck Cone	8308631	Included	4.52” to 6.95.”

Heavy Duty Truck Kit for 50mm Shaft

#8302010510

Included with 6450 Balancer Kit. Comes with spacer disk, collet, pin plate, 2 screws, 5 pins with thumb nuts

Bolt Patterns:
- 10 x 225mm
- 10 x 222.25mm
- 10 x 285.7mm
- 8 x 275mm
- 6 x 222.25mm
- 6 x 245mm

Cones

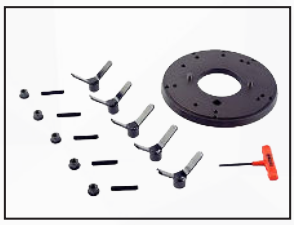
#8308628 (small cone)
#8308630 (large cone)
#8308631 (truck cone)

Included with 6450 Balancer Kit. Comes with Small Cone, Large Cone, and Truck Cone.

Budd Cone and Backing Plate Kit

#8109877

Optional



Stud Piloted Budd Wheel Adapter Kit

#8143935

Optional

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Contact Us!

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*Disclaimer: The Coats Company, LLC is constantly updating their products to maintain the highest possible standards of performance and safety. The specifications, descriptions, and photos in this brochure are only accurate at the time of printing and are subject to change with or without notice.