

MORE

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DST30P Wheel Balancer

SKU# 5140154



**SIX SECOND
BALANCING TIMES**

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Ranger

DST30P Wheel Balancer

The DST30P accurately and efficiently calibrates wheel and tire configurations. Like the DST-2420 wheel balancer, the DST30P handles wheels up to a 30" diameter. It also contains many of the same working components as the DST-2420 but with one exception: we took the 64-tooth magnetic transducer encoder from the DST-64T and built it into this smaller unit for minimal yet incredibly precise wheel weight placements.

The larger encoder features precision-cut square teeth to convert rotary position to a digital electronic signal, quickly achieving maximum profile and top-dead-center positioning. As part of our ongoing mission to supply shops and garages of all sizes, we reduced the unit's footprint by narrowing the chassis.

ENHANCED FEATURES

Direct-Drive

The Direct-Axis drive system helps keep the DST30P running smoothly over time. A single belt connects the motor and unbalance sensor, eliminating most maintenance costs during your wheel balancer's many years of service.

Highly precise digital sensor technology

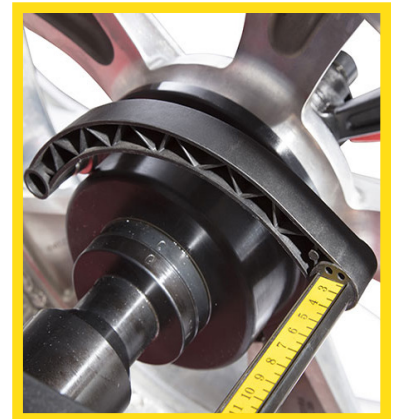
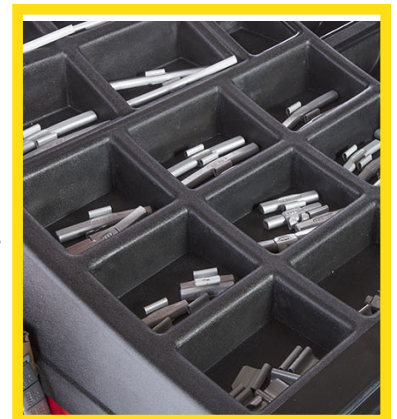
The DST30P doubles the potential placement for wheel weights while maintaining a space-conscious and highly cost-effective shop solution. Dynamic, static and ALU balancing modes are standard on each unit, featuring dual plane calibration for all OEM configurations and performance wheels.

Ranger's proprietary Digital Sensor Technology offers a 16-digit digital sensor processor and single-chip technology for better speed and accuracy in your readings. OEM and performance wheels require this sort of sophisticated technology for proper balancing, so be sure any wheel balancer you choose is fully capable of servicing these specialized wheel types.

Single-chip circuit board architecture upgrades performance and reliability over multi-chip installations, (e.g., latency reductions, substantial boost in device throughput). A speedy, dedicated hyper transport protocol lets data communicate with the micro-processor much faster than would otherwise be possible. Single-chip boards also use less power and better dissipate heat.

Multi-directional quartz piezoelectric load sensors

Dual-component piezoelectric quartz load sensors and digital rotation encoder measure longitudinal, transversal and shear effects for multi-directional force unbalance detection. The piezoelectric force sensors are the most sensitive sensors we have ever made, offering superior stability and fatigue resistance for unlimited service life with your wheel balancer. High-rigidity quartz crystal sensors offer high frequency detection in all three measured directions



Quick and Precise Setup

A diverse arrangement of hardened-steel mounting cones lets you work with virtually all wheel types, including most light trucks and SUVs. A rubber “quick-nut” bell adapter, with a non-marring rear cone mount pressure cup, holds mounted wheels securely in place and is sure not to damage tires or wheels during balancing procedures.

Mounting Cone Package

The DST30P wheel balancer tooling package includes car and light truck cones, as well as a heavy-duty truck cone. This package includes three “smaller” cones: 1.75” - 2.75”, 2.75” - 3.50” and 3.50” - 4.25”, as well as one truck cone 4.50” - 5.00”. Once an optional accessory, the 4.5” - 5.00” truck cone package is now standard.

An even larger double-sided centering Truck Cone Kit that fits hub sizes 4.75” - 6.75” is sold separately, but also fits the DST30P.

The double-sided centering cone fits hub sizes 4.75” - 6.75”. Put simply, Ranger wheel balancers easily accommodate most OEM and aftermarket wheel configurations.

Tape Weight Feeder

A tape weight feeder is located conveniently on a side-shelf that’s built into the wheel balancer. You’ll never have to worry about losing or misplacing your Ranger easy-to-peel adhesive tape weight.

64-tooth encoder improves automatic weight optimization

The weight calculations on the DST30P wheel balancer are more accurate than the DST-2420—twice as accurate, in fact! We’ve taken something great and made it even greater, now balancing your tire and wheel configurations with the most precise placements possible. The 64-tooth magnetic transducer encoder offers more precise placement readouts by making it easier to achieve maximum profile and top-dead-center positioning. This means you use less weight while you save more time, increasing your bottom line.

Full-tilt display panel

We’ve taken the touch-pad display panel on the DST-2420 wheel balancer and raised it up, tower-style, for the DST30P. This design improvement offers more flexibility in how you work. The extended, fully adjustable display avoids the problem of glare that can shroud readouts on the screen, and it ensures differently abled operators will enjoy a more ergonomic experience as they calibrate tire and wheel configurations.



Quick Setup



Mounting Cones



Full-Tilt Display Panel

LED Rolling Wheel Weight Displays

Highly visible LED displays show you exactly where to place the weights in seconds flat. These LED indicators let you see weight positions when the mounted wheel is rolled top-dead-center. As mentioned, the DST30P features an improved encoder wheel over the DST-2420, which means the LED display on the DST30P is more sensitive and more accurate than ever before.

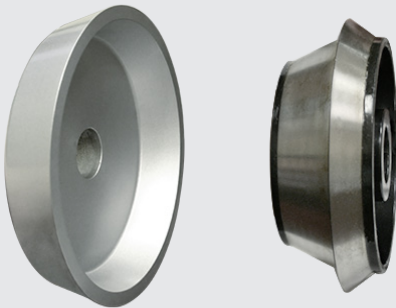
Wheel Weight Starter Kit

When you buy any one of Ranger's wheel balancers, you get a starter set of wheel weights included with your purchase. The kit has one bulk roll of 100 silver adhesive steel tape weights and 100 black adhesive steel tape weights. We also include one starter box of mixed clip-on steel weights. Of course, additional weights can be purchased in these bulk packages at your convenience.



STANDARD ACCESSORIES

Truck Cone Kit



Lug Bolt Kit



Motorcycle Shaft Kit



ONE-SPIN, MINIMAL WEIGHT PLACEMENT

Full Tilt Display
Panel

DST30P FEATURES

Hood Assembly

Tape Weight Feeder

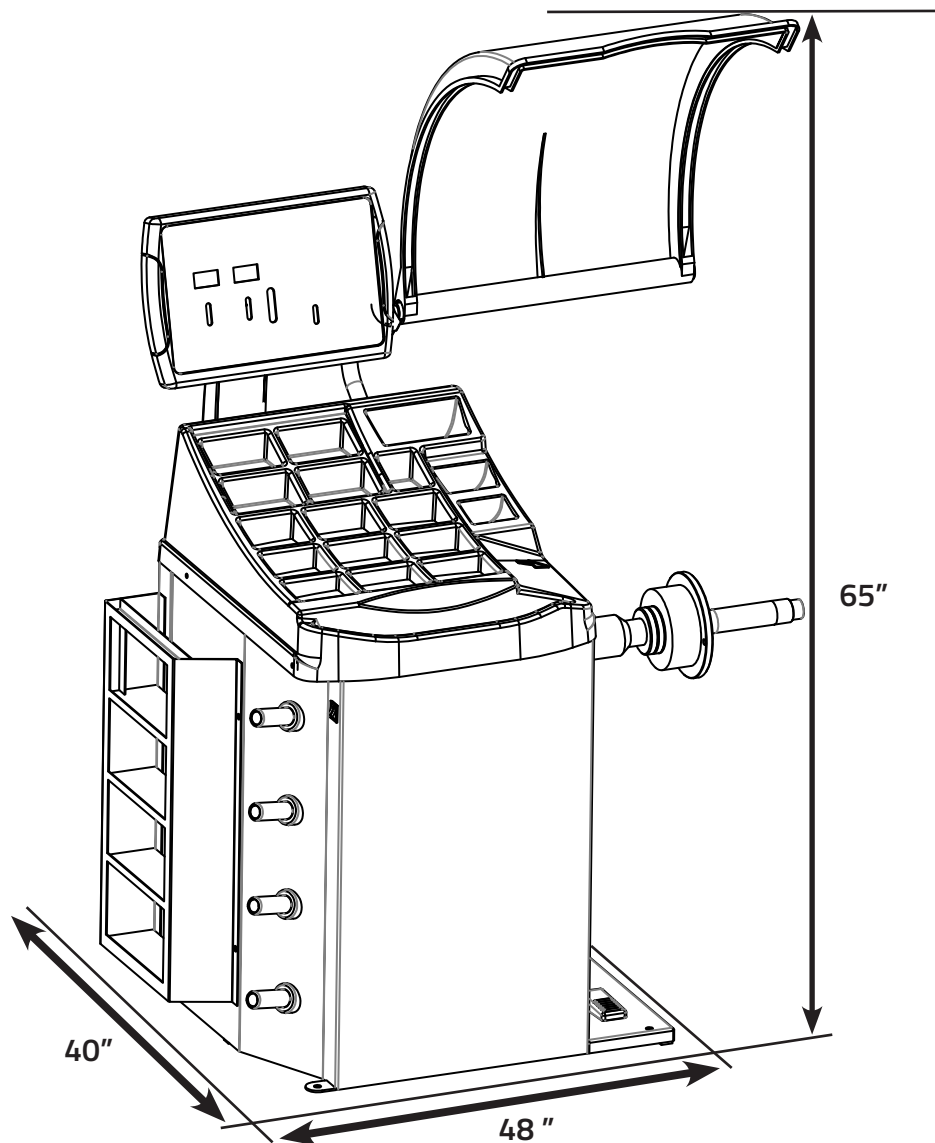
Side Cone Storage
Pegs

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SPECIFICATIONS

Model	DST30P Wheel Balancer
Power Supply	208-240 VAC, 50-60 HZ, 1 PH
Drive Motor	1.5 HP, 110V / 220V, 50-60 HZ, 1 PH
Max. Tire Diameter	50" (1,270 mm)
Max. Tire Weight	150 lbs. (68 kg)
Max. Wheel Diameter	8" - 30" (254 mm - 672 mm)
Wheel Width Capacity	1.2" - 20" (30 mm - 508 mm)
Shipping Weight	398 lbs. (181 kg)
Dimensions	48" (1,295 mm) W x 40" (1,346 mm) D x 65" (1,679 mm) H



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