

# DST2420

## Wheel Balancer (30" Max. Wheel Diameter) with 40 mm Shaft

SKU# 5140156 - 110V/220V

### Give your clients vibration-free wheel balance every time.

The Ranger DST-2420 [wheel balancer](#) handles wheels up to a 30" diameter. It is a highly accurate and dependable no-frills balancer that features our proprietary Digital Sensor Technology for critical reliability and repeatability. From one-bay shops to high-volume tire stores, the DST-2420 is built with a toughness that puts out perfectly balanced wheels day after day, around the clock. Like all of our DST Series wheel balancers, it's a zero tolerance performer that features our proven Direct-Axis drive system, accurate to within hundredths of an ounce, ensuring wheels are balanced vibration-free.



Includes **FREE**  
Wheel Weights

### Specifications

Motor	1.5 HP, 110V / 220V, 50 / 60 Hz, 1Ph
Cycle Time	6 - 9 Seconds (avg.)
Balancing Modes	Dynamic / Static / 3-Alloy
Drive System	Belt Drive
Wheel Braking	Automatic / Electronic
Collets Included	Set of 5 - 2.5" - 4.75" (61 mm - 121 mm)
Max. Tire Diameter	31" (787 mm)
Max. Tire Weight	145 lbs. (65 kg)
Wheel Diameter Capacity	8" - 30" (203 mm - 762 mm)
Wheel Width Capacity	2" - 18" (51 mm - 457 mm)
Balancing Increments	0.25 or 0.01 oz
Balancing Speed	180 RPM
Accuracy	+/- 1 gram (.035 oz.)
Resolution	0.25 oz. (5 grams)
Shipping Weight	398 lbs. (181 kg)

Specs rounded to nearest 0.25"

The DST-2420 automatically calculates the exact weight needed to achieve an optimal balance for almost every tire and wheel configuration on the planet, as well as brightly displayed LEDs that mark the exact amount and location in just six seconds. A full menu of time-saving features, including Dynamic, Static, and Performance Alloy settings, allows you to balance OEM wheel configurations and performance wheels with minimal effort and speed.

### Standard Features

- Top positioning weight locator
- Inside & outside measuring
- Millimeter / inches selection
- Ounce / gram selection
- Manual wheel offset distance setting
- Self-calibration function
- Auto start when hood is lowered
- Wheel holding manual brake pedal
- Wheel calipers
- Rear collet mount spring
- No-mar rear cone mount pressure cup
- Quick-release & mount hub nut
- Optional Truck collet set (4.75" - 6.75")  
*Sold Separately*

1-800-253-2363 • [sales@bendpak.com](mailto:sales@bendpak.com)

30440 Agoura Road, Agoura Hills, CA 91301

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**Ranger**<sup>®</sup>

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### Collets Included Now with Ranger Wheel Balancers

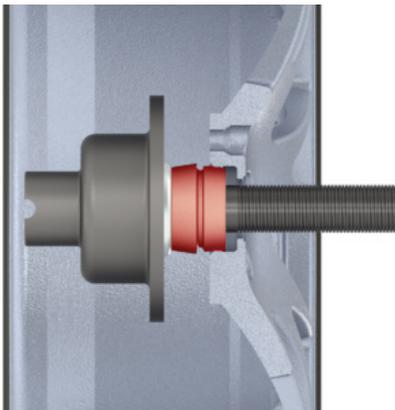


Collets provide more precise centering by engaging with the wheel's hub bore, ensuring the wheel is centered on the balancer more accurately. This reduces the chance of imbalances caused by improper positioning.

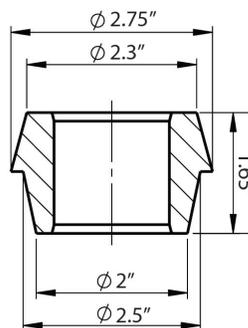
Traditional aggressively angled cones could cover a broad range of hub (hole) sizes, often spanning from 2" to 5" with just three cones. However, this wide coverage comes with a drawback—the steep angles make it challenging to center the wheel accurately on the balancer shaft, leading to potential balancing errors. Modern collets, with their more gradual and flatter angles, generally offer less adaptability per piece. To cover the same range of hole sizes as the old cones, it could require 10 collets due to their more refined fit. This is why collets are often designed as double-sided; with just 5 double-sided collets, you can cover 10 variations of hole sizes, often spanning from 2" to 5".

Collets also apply pressure more evenly across the hub surface, helping prevent wheel damage and ensuring a more secure mount. This uniform clamping improves balance accuracy and simplifies mounting by reducing manual adjustments and the risk of human error.

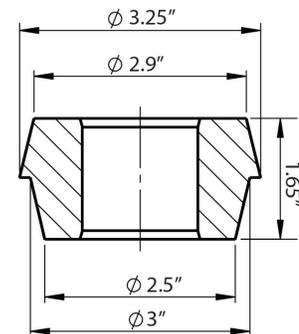
### More Accurate Balancing



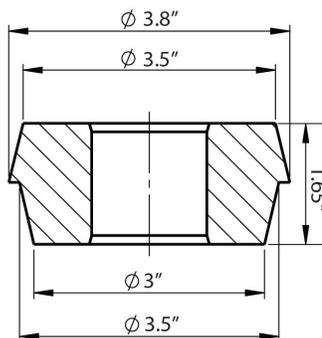
2" - 2.75" Collet



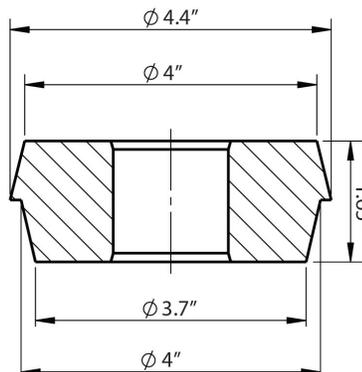
2.5" - 3.25" Collet



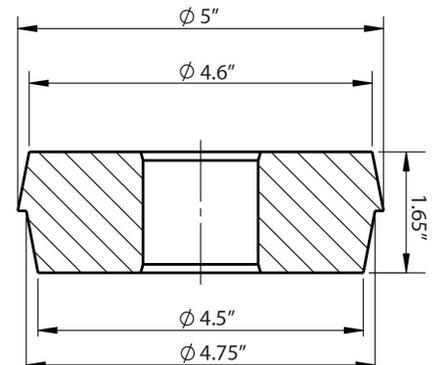
3" - 3.8" Collet



3.7" - 4.4" Collet



4.5" - 5" Collet



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