

# SmartWeight® HN

*High-capacity balancer with a simple interface*



# Key features at a glance

*PATENTED*

## SmartWeight® technology



- ✓ Improves balance
- ✓ Minimizes weight usage
- ✓ Maximizes productivity

*STANDARD*

## Intuitive interface



- ✓ Single-knob navigation simplifies experience
- ✓ 3D graphics

*EXCLUSIVE*

## On-demand videos



- ✓ Simplifies training
- ✓ Improves results





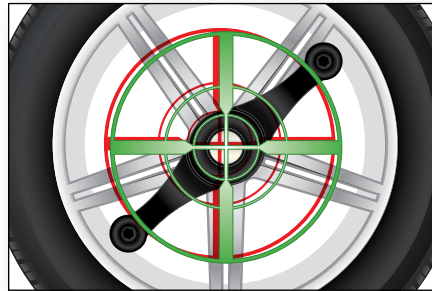
*SWHN12 shown with optional BullsEye® collets and Hammerhead TDC assist*



*EXCLUSIVE*

### **HammerHead® option**

- ✓ Speeds clip-weight placement
- ✓ Improves balance
- ✓ Illuminates work area



*PATENTED*

### **CenteringCheck®**

- ✓ Ensures proper centering
- ✓ Eliminates setup errors and most common cause of comebacks



*STANDARD*

### **Bottom-dead-center laser**

- ✓ Speeds tape-weight placement
- ✓ Improves accuracy



*EXCLUSIVE*

### **Superior alloy shaft**

- ✓ Most durable in industry
- ✓ Ensures accurate balancing for years to come



EXCLUSIVE

# Single-knob interface simplifies experience

**0.75oz**

Clearly indicates correction weight amount



Rim cutaway displays selected weight mode

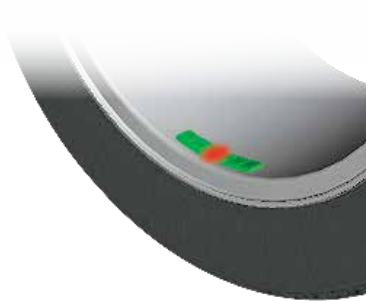


Switch text language

## Balancing interface at a glance



Display rim dimensions



TruWeight® provides lifelike representations of actual correction weights



SmartWeight® panel displays wheel balance condition

# Achieve the best balance with SmartWeight®

## Save time & effort

- ✓ Single-weight solutions as much as **60% of the time**.
- ✓ Saves labor versus traditional two-weight solutions

## Accommodate many wheel types

- ✓ Flanged or flangeless
- ✓ Plastic clad
- ✓ Colored rims
- ✓ Wider widths
- ✓ Run flats



## Stop chasing weights



- ✓ Superior balance results in a single spin

## How does SmartWeight® deliver the best balance?

**Separates hop & wobble**  
imbalance forces

**Assigns a lower threshold**  
to hop forces, similar to  
manufacturer facilities



This provides the **best balance** as modern vehicles are far more sensitive to hop than wobble.

## Improves appearance



- ✓ Smaller weights are less visible
- ✓ Places weights on inside of wheel when possible



## Track labor & weight savings

- ✓ Labor savings shown in minutes and hours as well as dollars with every spin.

## Reduce weight usage

- ✓ **30% less weight used**
- ✓ Save money on every balance



## Did you know?

Modern vehicles are approximately 4 times more sensitive to hop forces than wobble. Conventional balancers treat both the same.

# Exclusive features make balancing faster and easier



## On-screen instruction

- ✓ High-definition videos provide instruction on a variety of balancing topics
- ✓ Covers basic techniques and advanced procedures
- ✓ On-site training for your technicians
- ✓ Multiple languages



## 3D graphics

- ✓ Interactive display guides technicians through balancing procedures.
- ✓ Decreases training time



*PATENTED*

## Automatic Mode Detection

- ✓ Eliminate the need to select the balance mode
- ✓ Reduce service time and possible mode entry errors
- ✓ No need to push buttons



# Popular equipment upgrades



*PATENTED*

## HammerHead® top-dead-center laser

- ✓ Greater weight placement accuracy to avoid mistakes
- ✓ More single-spin balances improve productivity
- ✓ Overhead fluorescent light illuminates work area



✗ Incorrect



✓ Correct



## BullsEye® centering system

- ✓ Optimize centering
- ✓ Prevent wheel damage



## Ergonomic QuickNut

- ✓ Fast clamping with collapsing jaws
- ✓ Comfort-grip handles



## Wheel lift

- ✓ Avoid strain
- ✓ Safely service heavy, oversized wheels
- ✓ Aids wheel centering

*OPTIONAL*

## SpeedClamp®

- ✓ Clamp wheels automatically
- ✓ Save time and effort
- ✓ Improves clamping consistency



# Specifications



SWHN12 shown

## Power requirements

196–253V, 10 amp, 50/60 Hz, 1 ph  
(Power cable includes: NEMA 20 amp plug, L6-20P)

## Air supply requirements

100–175 psi (7–12 bar)\*

## Capacity

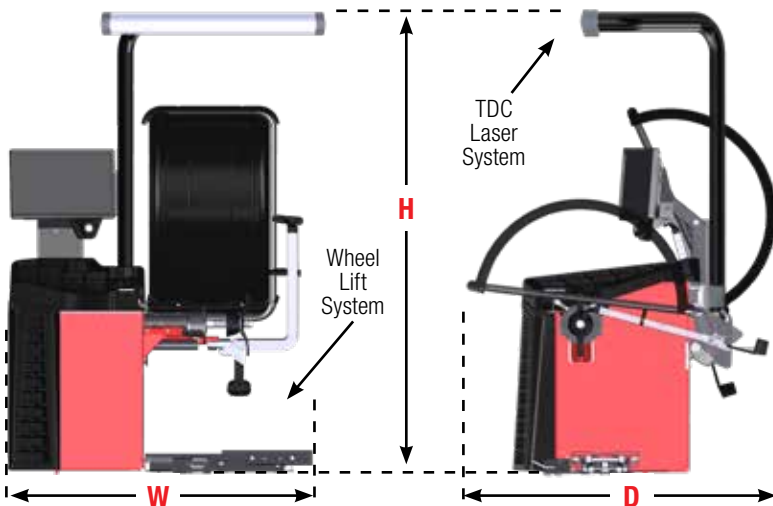
Rim width	1.5 – 20.5 in. (38 – 521 mm)**
Rim diameter	10 – 30 in. (254 – 762 mm)**
ALU	14 – 40 in. (356 – 1016 mm)**
Max. tire diameter	44 in. (1118 mm)
Max. tire width	20 in. (508 mm)
Max. tire weight	175 lbs. (79 kg)
<b>Imbalance resolution</b>	± 0.01 oz (0.28 g)
<b>Placement accuracy</b>	512 positions, ± 0.35°
<b>Balancing speed</b>	300 rpm
<b>Motor</b>	Programmable drive system and DC motor

\* Wheel lift models only.

\*\* Extreme wheel sizes may require manual data entry.

# Models

	SWHN32	SWHN30	SWHN22	SWHN20	SWHN12	SWHN10	SWHN02	SWHN00
Wheel Lift System	✓	✓			✓	✓		
TDC Laser System	✓		✓		✓		✓	
SpeedClamp®	✓	✓	✓	✓				
<b>Width (W)</b>	<b>64.5 in</b> 1626 mm	<b>64.5 in</b> 1626 mm	<b>57 in</b> 1488 mm	<b>53 in</b> 1066 mm	<b>64.5 in</b> 1626 mm	<b>57 in</b> 1488 mm	<b>64.5 in</b> 1626 mm	<b>53 in</b> 1066 mm
<b>Height (H)</b>	<b>85 in</b> 2159 mm	<b>71.5 in</b> 1816 mm	<b>85 in</b> 2159 mm	<b>71.5 in</b> 1816 mm	<b>85 in</b> 2159 mm	<b>71.5 in</b> 1816 mm	<b>85 in</b> 2159 mm	<b>71.5 in</b> 1816 mm
<b>Depth (D)</b>	<b>63.5 in</b> 1613 mm	<b>63.5 in</b> 1613 mm	<b>63.5 in</b> 1613 mm	<b>63.5 in</b> 1613 mm	<b>63.5 in</b> 1613 mm	<b>63.5 in</b> 1613 mm	<b>63.5 in</b> 1613 mm	<b>63.5 in</b> 1613 mm
<b>Weight</b>	<b>522 lb</b> 237 kg	<b>472 lb</b> 214 kg	<b>421 lb</b> 191 kg	<b>371 lb</b> 169 kg	<b>522 lb</b> 237 kg	<b>421 lb</b> 191 kg	<b>472 lb</b> 214 kg	<b>371 lb</b> 169 kg



Because of continuing technological advancements, specifications, models and options are subject to change without notice.



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