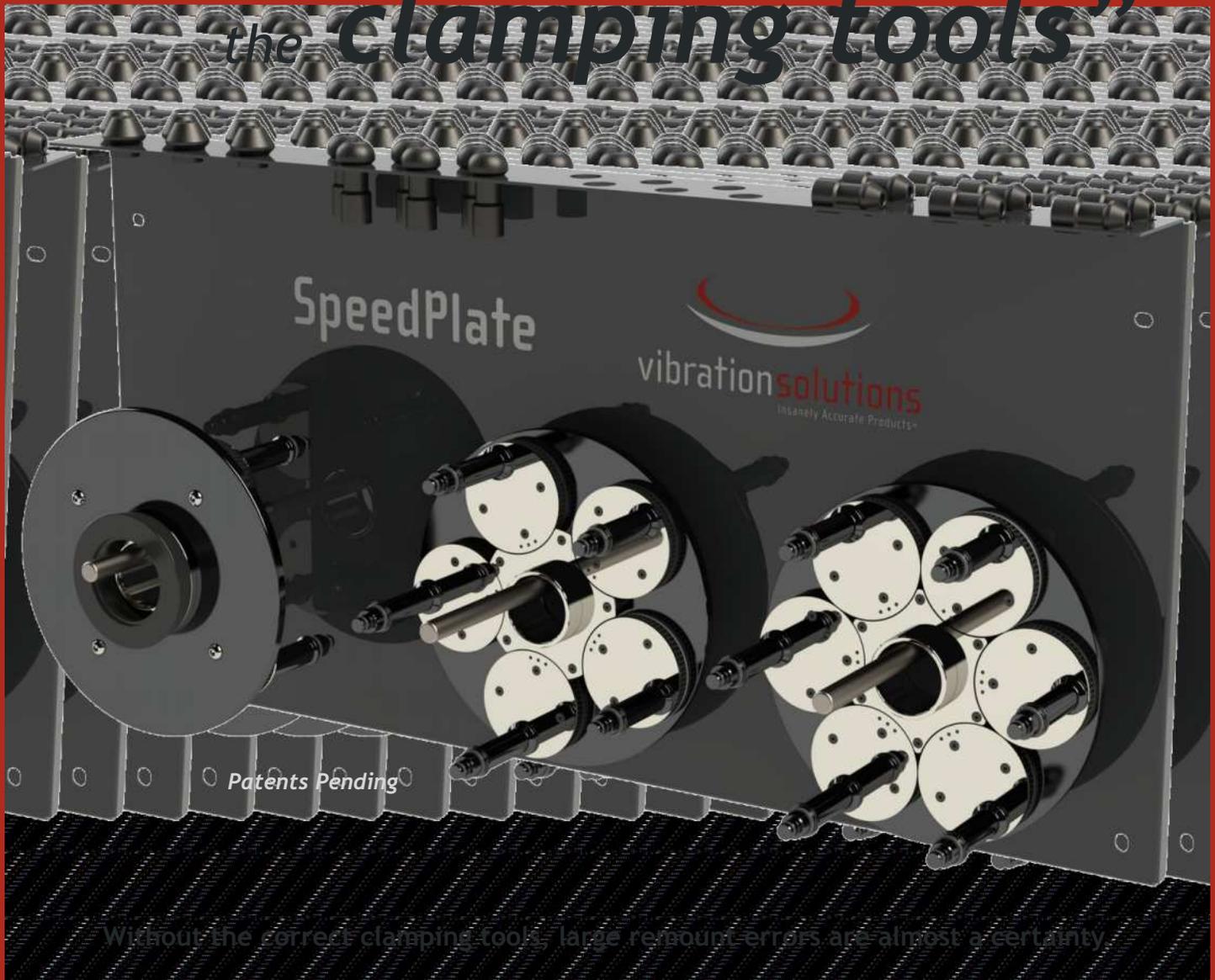


# SpeedPlate EBA

2018 v1.1 America

**“70% of wheel balancing accuracy depends on the clamping tools”**



Without the correct clamping tools, large remount errors are almost a certainty

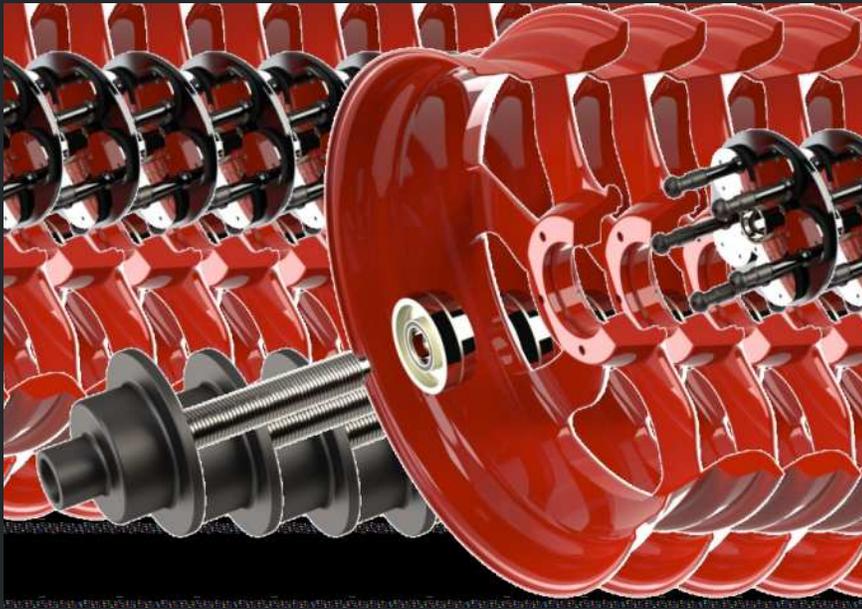
Remount errors occur when a wheel is balanced to 0-0, removed from the balancing machine, remounted and balanced again. If the balancer at this point shows a new unbalance, meaning it's asking for more wheel weights to be added, the problem is either a worn or incorrect choice of clamping tool.

It is an industry accepted fact that at least 70% of wheel balancing accuracy depends on the clamping tools rather than the wheel balancer itself.

To achieve optimum balancing results and a smooth riding vehicle, it is necessary to center and torque the wheel onto the balancing machine in the same manner the wheel is mounted onto the vehicle.

# Durability & Precision - Made In USA

Ever since the invention of the electronic wheel balancer, shops around the world have had to live with clamping tools that quickly wore out or were easily damaged.



Vibration Solutions is an American manufacturer that understands the fast, rough and tough environment that is today's high volume shops. We concentrate on developing tools that provide the very best in balancing accuracy while maintaining its accuracy during years of heavy-duty use.

The new **SpeedPlate EBA**, with patent-pending Engineered Break-Away feature, is an excellent example of our commitment to the highest possible balancing accuracy, incredible durability and extremely low maintenance requirement and expense.

The **SpeedPlate EBA** is clearly the ultimate wheel balancing clamping tool.

## SpeedPlate EBA™

The **SpeedPlate EBA** is the fastest clamping tool available today. Changing from the largest to the smallest bolt pattern (*Pitch Circle Diameter*), or anything in between, is a breeze.

Just rotate one gear, and the other gears will automatically follow along. It is fast, easy and comfortable. Locking the chosen bolt pattern (*PCD*) in place is fully automatic through an innovative wave spring design.

Wheel balancing accuracy has been optimized through the use of interchangeable **Torque Tips** which mirror the shape of lug nuts and therefore fit steel and alloy wheels perfectly.

Only these **Torque Tips** touch the wheel during the balancing process. In fact, the **Torque Tips** touch exactly where the lug nuts touch when on the vehicle. Potential damage to the surface of expensive custom wheels is therefore avoided.

The built-in **Wavo** spring ensures that each **Torque Tip** exerts the correct torque to each lug hole in the wheel which ensures the best possible balancing accuracy.



# Takes a beating - Remains accurate

What truly sets the **SpeedPlate EBA** apart from all other clamping tools is its extreme durability.

Try dropping any competing clamping tool onto a concrete shop floor and see what happens. No doubt, parts will bend or break making the tool inaccurate and unusable.

Sometimes the tool can be repaired, but often that's not the case. And even if it can be repaired, it usually takes a couple of weeks and cost a pretty penny.

What do you use in the meantime? Do you stop selling tires? Or do you hope the customer does not come back to complain about a vibration problem? It's a dilemma that every car and tire dealer have lived with for 50 years.

*The **SpeedPlate EBA** is fundamentally different and revolutionary.*



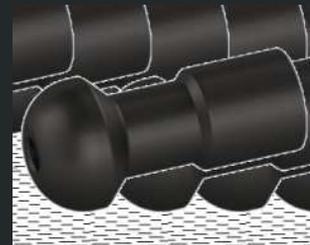
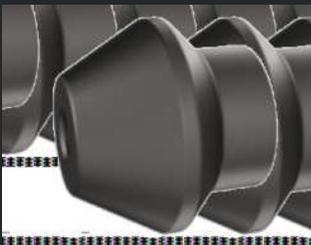
The **Planetary Gears** are reinforced by a hardened steel plate that can take a real beating. And inside the **Planetary Gear** assembly, you find the, patent-pending, **Engineered Break-Away** mechanism which allows the entire **Planetary Gear** assembly to release from the clamping tool if it's subjected to a sudden and unusual force.

So if the **SpeedPlate EBA** is accidentally dropped onto the shop floor, the **Planetary Gear** assembly releases from the tool itself, before damage is done to the product.

Simply line up the three dots on the **Planetary Gear** assembly with the two white dots on the **Central Gear** and click into place. Voila! You are back in business in less than 20 seconds with a tool that is just as accurate as when it was brand new.

The **SpeedPlate EBA** is the first and only high precision wheel balancing clamping tool that is expected to maintain its accuracy for as long as the balancer lasts.

*Speed - Ease of use - Accuracy - Extreme durability. Why waste money on lesser tools?*



- **SpeedPlates** work on passenger cars, SUVs, pick-up trucks, vans and light trucks up to one ton.
- **SpeedPlates** have a step-free bolt pattern (*PCD*) range between 95.25mm and 180mm.
- **SpeedPlates** are future proof, fitting current and future bolt patterns (*PCD*).
- **SpeedPlates** are rust proof.
- **SpeedPlates** can balance 4-Lug, 5-Lug, 6-Lug and 8-Lug wheels.
- **SpeedPlates** are incredibly fast to set up for the first wheel and automatically lock for the remaining wheels.

# SpeedPlate EBA-LC™

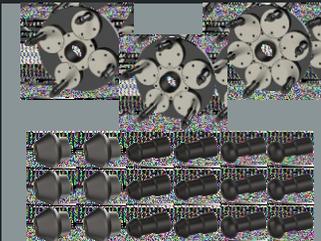


The **SpeedPlate EBA-LC** is a lower cost version designed mainly for low volume shops.

The system foregoes the virtually indestructible EBA mechanism built into the standard SpeedPlate EBA version and replaces it with a release mechanism made from an injection molded composite material.

By having the EBA-LC mechanism release from the clamping tool itself (*patent pending*), it is possible to combine the 4-Lug patterns with the 6-Lug patterns. So instead of having three different SpeedPlate EBAs (4-Lug, 5-Lug, 6-Lug) the EBA-LC version only has two SpeedPlates (4 & 6-Lug and 5-Lug).

Available the first quarter of 2019.



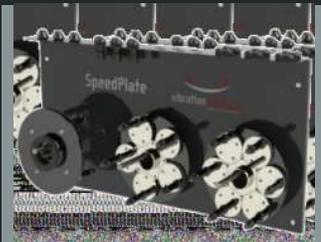
## SpeedPlate™ EBA System

For 4-Lug, 5-Lug, 6-Lug & 8-Lug wheels.

Includes: SpeedPlates E404-xxx-08, E405-xxx-08, E406-xxx-08 and Torque Tips E465-025-11 (6 pcs), E465-040-15 (6 pcs), E465-050-14 (6 pcs). Patents pending.

**\$1,780**

**E400-400-20**



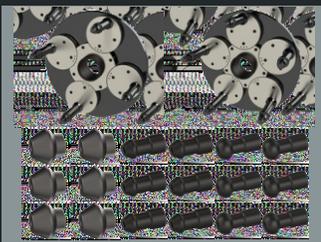
## SpeedPlate™ EBA System

For 4-Lug, 5-Lug, 6-Lug & 8-Lug wheels.

Includes: SpeedPlates E404-xxx-08, E405-xxx-08, E406-xxx-08, Torque Tips E465-025-11 (6 pcs), E465-040-15 (6 pcs), E465-050-14 (6 pcs) and Storage Solution (M980-000-11). Patents pending.

**\$1,875**

**E400-400-29**



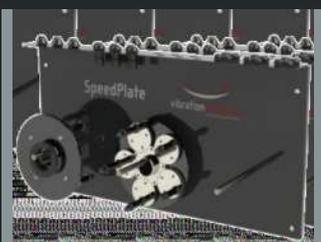
## SpeedPlate™ EBA System

For 4-Lug, 5-Lug & 8-Lug wheels.

Includes: SpeedPlates E404-xxx-08, E405-xxx-08 and Torque Tips E465-025-11 (6 pcs), E465-040-15 (6 pcs), E465-050-14 (6 pcs). Patents pending.

**\$1,215**

**E400-400-30**



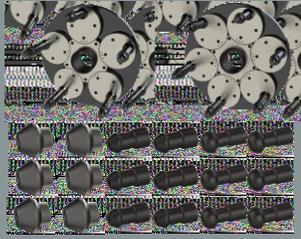
## SpeedPlate™ EBA System

For 4-Lug, 5-Lug & 8-Lug wheels.

Includes: SpeedPlates E404-xxx-08, E405-xxx-08, Torque Tips E465-025-11 (6 pcs), E465-040-15 (6 pcs), E465-050-14 (6 pcs) and Storage Solution (M980-000-11). Patents pending.

**\$1,310**

**E400-400-39**



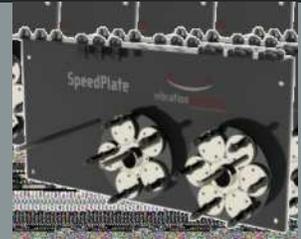
### SpeedPlate™ EBA System

For 5-Lug & 6-Lug wheels.

Includes: SpeedPlates E405-xxx-08, E406-xxx-08 and Torque Tips E465-025-11 (6 pcs), E465-040-15 (6 pcs), E465-050-14 (6 pcs). Patents pending.

\$1,330

E400-400-40



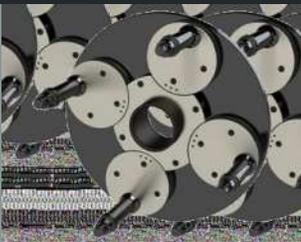
### SpeedPlate™ EBA System

For 5-Lug & 6-Lug wheels.

Includes: SpeedPlates E405-xxx-08, E406-xxx-08, Torque Tips E465-025-11 (6 pcs), E465-040-15 (6 pcs), E465-050-14 (6 pcs) and Storage Solution (M980-000-11). Patents pending.

\$1,425

E400-400-49



### SpeedPlate™ EBA

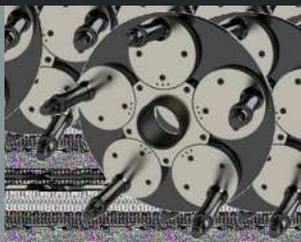
For 4-Lug & 8-Lug wheels.

Bolt Pattern / PCD Range: 95.25mm - 180mm.

Ultra strong and light weight 7075-T6 aircraft aluminum base plate. Patents pending.

\$ 446

E404-400-08



### SpeedPlate™ EBA

For 5-Lug wheels.

Bolt Pattern / PCD Range: 95.25mm - 180mm.

Ultra strong and light weight 7075-T6 aircraft aluminum base plate. Patents pending.

\$ 505

E405-400-08



### SpeedPlate™ EBA

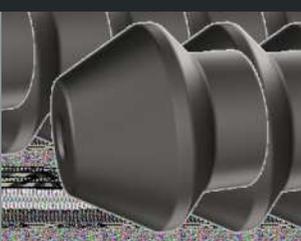
For 6-Lug wheels.

Bolt Pattern / PCD Range: 95.25mm - 180mm.

Ultra strong and light weight 7075-T6 aircraft aluminum base plate. Patents pending.

\$ 564

E406-400-08



### Torque Tip Style B

SpeedPlate EBA

Short cone seat.

Head diameter 28mm. Body length 25mm.

Overall length 80mm.

\$ 13

E465-025-11



### Torque Tip Style E

SpeedPlate EBA

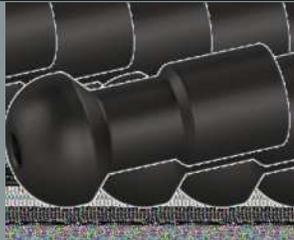
Standard cone seat.

Head diameter 19mm. Body length 40mm.

Overall length 95mm.

\$ 14

E465-040-15



### Torque Tip Style C

SpeedPlate EBA

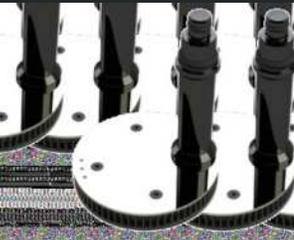
Ball seat.

Head diameter 24.5mm. Body length 50mm.

Overall length 105mm.

\$ 18

E465-050-14



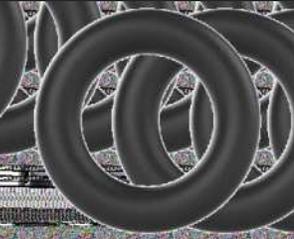
### Planetary Gear Assembly

SpeedPlate EBA

Complete assembly.

\$ 55

E490-000-08

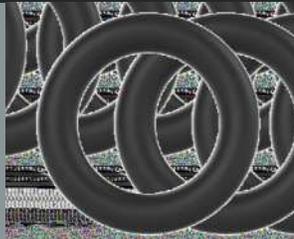


### Rubber O-ring

SpeedPlate EBA

6.00mm x 2.00mm - NBR70

S900-011-15

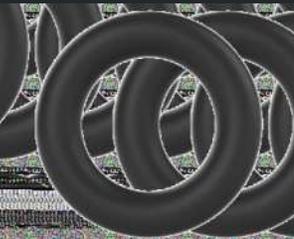


### Rubber O-ring

SpeedPlate EBA

11.00mm x 3.00mm - NBR70

S900-011-16

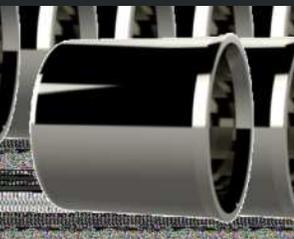


### Rubber O-ring

SpeedPlate EBA

12.00mm x 4.00mm - NBR70

S900-011-17



### Reducing Sleeve

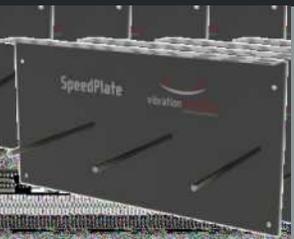
Length 40mm. Outside Diameter 40mm

Reduces clamping tool with 40mm bore to fit thinner shafts.

Hard nickel plated.

M940-360-40

M940-380-40



### Storage Solution Wall Board

For SpeedPlate EBA system.

Holds three SpeedPlates and Torque Tips.

M980-000-11



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