Best in class for tyre specialists
TCE 4490/4495

BOSCH
Invented for life
Product at a glance

Tyre leverless system (TLL)
- Without any efforts
- Easy access of the tool
- Perfect bead extraction

Central clamping
- Maximum wheel protection
- Faster and easier locking process with less efforts

Turning pedal
- Wheel rotation control
- Proportional control of turntable speed/force

Inflating tubeless
- Faster bead seating of the tire on the rim

Scope of delivery
- Machine offered with a full complete scope of delivery

Side storage
- Storage for tools, valves...

Helper arm
- Separate movements of tools
- Precise control
- Press and/or release where needed

Double rollers function
- Possibility to work with all wheel size
- Faster positioning
- Memory ring to save time and to have the arm always in position

Bead breaker: Ergo control (patent pending)
- Fast & Easy To Use
- Safety
- Ergonomic
- Full Control
- Protection for tire/rim

TSL 230 lift
- Ergonomic
- Time saving being in right position
- Lifting capacity up to 80 kg
- Integrated roller board
TCE 4490/4495
Center post tyre changer

The TCE 4490/4495 is a 30” tyre changer for high volume workshops and offers all features and user benefits with maximum comfort to perform the perfect and effortless tyre changing. Equipped with center post clamping system for a faster and easier locking system can handle large wheel sizes max 15” and wheel diameter up to 1200 mm without using any kind of spacers thanks to the NEW TCE 330 equipped with double horizontal arms.

The G-Frame structure of the TCE 4490/4495 provides a stable and functional design increasing the rigidity of the tyre changer and the Ergo Control hand bead breaking system with the lift TSL 230 allows the user to work always in ergonomic position and safety condition. The integrated inverter solution offers a proportional electronic control of the turntable speed. Additionally the TLL leverless system offers the perfect bead extraction which leads to a faster and easier demounting process.

G-Frame

G-Frame for stability, safe and innovative, functional design
The mounting head always remains at a safe distance from the rim to prevent damage on tyre changing.
► G-Frame design standard
► Increase the rigidity of the machine shortening the flow of the forces inside the machine
► Make the machine as much rigid as possible
► Mounting column with extra-wide diameter (140 x 140 mm) and pneumatic locking system

Center post

Center post clamping system:
► To prevent possible rim/tire damages too
► Faster and Easier locking process with less efforts
► Smart arm locking system

Tyre Leverless System (”TLL”)

Movement of the TLL Leveless system allows to perfectly follow the rim profile making easier the access of the tool and allowing perfect bead extraction (WDK approved).
**Ergo Control (patent pending)**

**Revolutionary bead breaker system**
Ergo Control is a hand bead breaker system that allows you to execute the operation of tyre-beading always in an ergonomic working position, reducing the time with less effort while always being in a safe position.

**Ergonomic working position:** you stand in front of the wheel, not in front of the pedals.

**Increase of safety:** the use of the bead breaker lever (patented) guards the operator’s arm.

**Protection of wheel/rim and TPMS:** the control by using the lever gives the operator a maximum of sensitivity.

**Intuitive, easy to use:** the movement of the blade can be driven by only a finger

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**Helper device**

**Separate movements of tools**
- Precise control
- Press and/or release where needed

**Follower arm as standard**

**Control switches easily & ergonomically accessible**

**Double horizontal arm:**
- Possibility to work with all wheel size
- Faster positioning, no necessity of spacers
- Push & lift the second bead
- Memory ring to save time and to have the arm always in position

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**Lift TSL 230**

**TSL 230 – Simple and easy to use**
All new tyre changer platforms can be upgraded with the lift TSL 230 which allows the operator to always work in an ergonomic position. The lift TSL 230 is mounted on the right side of the machine next to the bead breaker which allows for improved productivity. The Lift is also equipped with an integrated roller board which leads to an easier and faster bead breaking operation.
## Accessories

<table>
<thead>
<tr>
<th>Order Nr. / Description</th>
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</thead>
<tbody>
<tr>
<td>1 695 102 584 Storage kit</td>
<td>1 695 107 444 Centre locking protection</td>
</tr>
<tr>
<td>1 695 101 372 External IT kit</td>
<td>1 695 000 289 Cone Ø 70 mm</td>
</tr>
<tr>
<td>1 695 107 439 Wheel clamping adaptor kit for reverse mounted wheels</td>
<td>1 695 108 136 Light truck cone Ø 110 – 190 mm + spacer</td>
</tr>
<tr>
<td>1 695 107 440 Light truck cone Ø 75 – 145 mm</td>
<td>1 695 108 138 Cone Lamborghini</td>
</tr>
<tr>
<td>1 695 107 441 Cone Ø 75 – 120 mm for steel rims</td>
<td>1 695 108 139 Cone Porsche</td>
</tr>
<tr>
<td>1 695 107 442 Light truck cone Ø 190 – 223 mm</td>
<td>1 695 108 140 Cone BMW</td>
</tr>
<tr>
<td>1 695 103 302 Bead locking plier</td>
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### Technical data

#### Models

<table>
<thead>
<tr>
<th>Models</th>
<th>Inflating Technology (IT)</th>
<th>WDK</th>
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<tbody>
<tr>
<td>TCE 4490</td>
<td></td>
<td></td>
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<tr>
<td>TCE 4490 WDK</td>
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<tr>
<td>TCE 4495</td>
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</tbody>
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#### Scope of delivery

- 1x Lubricant brush
- 1x TLL protection kit
- 1x Wing side protection kit for TLL
- 1x Bead side protection kit
- 1x Bead breaking device
- Helper device with double Horizontal arm
- Ergo Control
- Boost inflating system (TCE 4495)
- Side Lift NG
- 2 x Center locking protection
- 2 x Cone protection tool locking system
- 2 x Pin protection locking system
- 1 x Cone Ø70 mm
- 2 x Memory ring for horizontal arms

#### TCE 4490/4495 – Technical Data

<table>
<thead>
<tr>
<th>Range of application</th>
<th>TCE 4490/4495</th>
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<tbody>
<tr>
<td>Main connections</td>
<td>1 Ph – 230 V 50 Hz</td>
</tr>
<tr>
<td>Rim Diameter</td>
<td>13” – 30”</td>
</tr>
<tr>
<td>Rim width</td>
<td>Up to 15”</td>
</tr>
<tr>
<td>Max. wheel diameter</td>
<td>1200 mm</td>
</tr>
<tr>
<td>Air connection</td>
<td>8 – 10 bar</td>
</tr>
<tr>
<td>N. turntable speed</td>
<td>2 speed</td>
</tr>
<tr>
<td>Speed of rotation</td>
<td>7 – 15 rpm</td>
</tr>
<tr>
<td>Bead breaker range</td>
<td>75 – 401 mm / Ergo Control</td>
</tr>
<tr>
<td>Bead breaking force</td>
<td>11000 N</td>
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- plus many other services

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