All running smoothly:
Tire changers and wheel balancers from Bosch
TCE 4540 – Top service for all passenger cars and transporters
TCE 4460 / TCE 4465 – Strong service for wide tires, UHP and run-flat tires
TCE 4450 / TCE 4450 S40 – Efficient service even for UHP and run-flat tires
TCE 4420 / TCE 4425 – Well equipped for the standard tire market
TCE 4220 / TCE 4225 – Entry into tire service
WBE 4510 / WBE 4515 – Balancing with laser tire diagnosis
WBE 4430 / WBE 4435 – All-rounders with loads of comfort
WBE 4230 / WBE 4235 – Digital wheel balancer for large tires
WBE 4400 / WBE 4200 – Powerful and reliable
WBE 4100 / WBE 4110 / WBE 4140 – Entry into wheel balancing service
All tire experts know it: Time is of the essence in tire service and only efficient and precise work ensures customer satisfaction and safeguards economy.

Tire service for all tires and rims on passenger vehicles, light commercial vehicles and motorcycles is still a lucrative area of business in the workshop. The choice of tire service is an important decision.

The new generation of tire changers and wheel balancers from Bosch have versatility, time saving operation, tire protection and safety in common.

Optimal technology for profitable tire service
Wheels and tires are important turnover generators in workshop business. Winter tires, spare tires, wide tires and light-alloy rims guarantee high sales. Tire service, however, is subject to high market pressure.

The solution for the workshop is fast and efficient work and comprehensive fulfillment of customer desires. For both, the right technical equipment is needed. It is precisely with newer vehicles and when refitting wheel and tire combinations that tire types are selected that are difficult to handle if modern tire service devices are not available.

Simple handling instead of “awkward tires”
Bosch offers the workshop tire service technology in the form of a comprehensive range of highly modern tire changers and wheel balancers. In accordance with individual positioning in tire service, every company will find optimum technology in this range for higher efficiency combined with easy and convenient operation.
TCE 4540: Hydraulic tire changer of the latest generation

The top machine for tire service for all kinds of passenger cars and light commercial vehicle tires: Standard, PAX, run-flat and UHP tires up to 30” rim diameter and a width of 22” can be worked on quickly and conveniently.

The TCE 4540 combines high working speed, highest possible level of material care and simple, precise controls:

- Powerful hydraulic unit for effortless fitting of even extremely difficult tires
- Simple, precise controls
- Two working speeds with three-phase systems
- Clockwise and counterclockwise rotation
- Quick and easy positioning of the assembly head
- Pneumatic lift for tires up to 80 kg
- Auxiliary arm with follow-on bead depressor
- Fast tire inflation with foot pedal actuation
- Depository at side for small parts

Highlights:

- New middle centering flange with pneumatic closure facilitates and accelerates clamping
- Assembly tool with new design replaces the mounting lever even for UHP tires
- Swivelable operator unit for ergonomic work
- Removal rollers assure trouble-free removal of the beads without damaging them

<table>
<thead>
<tr>
<th>Technical data</th>
<th>TCE 4540</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rim diameter</td>
<td>10” – 30”</td>
</tr>
<tr>
<td>Rim width</td>
<td>3” – 22”</td>
</tr>
<tr>
<td>Max. wheel diameter</td>
<td>1,500 mm</td>
</tr>
<tr>
<td>Pneumatic air pressure</td>
<td>8 – 12 bar</td>
</tr>
<tr>
<td>Motor output</td>
<td>1.25 kW</td>
</tr>
<tr>
<td>Weight</td>
<td>500 kg</td>
</tr>
<tr>
<td>W x H x D in mm (max.)</td>
<td>1,880 x 1,700 x 1,850</td>
</tr>
</tbody>
</table>
TCE 4460 and TCE 4465: Strong service for wide tires, UHP and run-flat tires

TCE 4460 and 4465: Automatic devices for wide-tire service. Now even more convenient with leverless fitting with the TCE 100

Tire changers TCE 4460 and TCE 4465 for high throughput and fitting of wider wheels up to 1,200 mm diameter. With the optional TCE 100, assembly is even possible without a mounting lever.
- Release of assembly head at the push of a button
- Fast tire throughput thanks to two fitting speeds and innovative foot pedal control
- Variable cast-iron clamping jaws
- Rim protection through aluminum jaws and sliders
- Clockwise and counterclockwise rotation
- Two working speeds with three-phase systems

Highlights:
- Tilting and pneumatic liftatable assembly column and low working height
- Adjustable bead breaker
- Inclined assembly head facilitates fitting of the lower bead
- Clamping jaws of hardened steel provide a better grip and a longer service life

Other interesting special accessories and important variations:
- Follow-on bead depressor and auxiliary arm (TCE 320) guide the tire bead reliably into the rim base
- Leverless fitting with the newly developed automatic assembly head (TCE 100)
- Motorcycle and motor scooter attachments
- Fast tire inflation with clamping claws (equipment supply TCE 4465)
- TCE 4460 S12 and TCE 4465 S12 with assembly head TCE 100 (equipment supply)
- TCE 4460 S40: WdK-approved (German Rubber Manufacturers’ Association) for fitting run-flat tires

Technical data TCE 4460 / TCE 4465
rim clamping 12" – 33"
Rim width 3" – 15" (with TCE 100 up to 13")
Max. wheel diameter 1,200 mm
Pneumatic air pressure 8 – 12 bar
Motor output 1.25 kW
Weight 267 kg / 278 kg
W x H x D in mm (max.) 1,250 x 1,950 x 2,000
TCE 4450 and TCE 4450 S40: Efficient service even for UHP and run-flat

TCE 4450: Automatic equipment for wide tyre service
For workshops with sports-orientated customers, the TCE 4450 is just the right tyre fitting machine for wide rims. Its technical equipment with pneumatic assembly column, variable removal lever and quadratic clamp plate allow the assembly of wide tyres up to 14” in rim width. Rim diameters from 10” to 26” can be clamped externally to TCE 4450. Even the toughest of tyres can be handled comfortably thanks to the optional auxiliary arm and high performance motor.
To ensure flexibility, higher working efficiency and safety, the TCE 4450 has two clockwise and anticlockwise rotation speeds. The pneumatic rim release prevents damage to the rim during assembly. Trouble-free removal of large tyres and additional longitudinal adjustments for offroad wheels are further plus points that will help the tyre service business take off.

Certificate for UHP and RFT tyres
TCE 4450 S40 is equipped with a special accessory certified for fitting and removing UHP and RFT tyres by the German Rubber Industry Association.

<table>
<thead>
<tr>
<th>Technical data</th>
<th>TCE 4450</th>
</tr>
</thead>
<tbody>
<tr>
<td>External rim clamping</td>
<td>10” – 26”</td>
</tr>
<tr>
<td>Internal rim clamping</td>
<td>12” – 29”</td>
</tr>
<tr>
<td>Rim width</td>
<td>3” – 14”</td>
</tr>
<tr>
<td>Max. wheel diameter</td>
<td>1,000 mm</td>
</tr>
<tr>
<td>Pneu. air pressure</td>
<td>8 – 12 bar</td>
</tr>
<tr>
<td>Motor power</td>
<td>1.25 kW</td>
</tr>
<tr>
<td>Weight</td>
<td>226 kg</td>
</tr>
<tr>
<td>W x H x D in mm</td>
<td>850 x 1,850 x 1,550</td>
</tr>
<tr>
<td>Color</td>
<td>RAL 6018</td>
</tr>
</tbody>
</table>

1 Does not apply to single phase unit
TCE 4420 and TCE 4425: Well equipped for the standard tire market

TCE 4420 and TCE 4425: Efficient service with upgrading option
For fast processing of standard and wide tires. Comprehensive special accessories available for processing small cross-section tires.

- Automatic rim release prevents damage to the rims
- Clockwise and counterclockwise rotation
- Two working speeds with three-phase systems

Highlights:
- Pneumatic tilting assembly column
- Inclined assembly head facilitates fitting of the lower bead
- Clamping jaws of hardened steel provide a better grip and a longer service life

Other interesting special accessories and important variations:
- Through retrofitting the auxiliary column (TCE 300) and the auxiliary arm, even tires with a hard bead can be fitted easily and gently
- Integrated tire inflation with assembly claws (equipment supply TCE 4425)
- TCE 4420 S40: WdK-certified (German Rubber Manufacturers’ Association) – includes the special accessories recommended by the WdK for professional processing of run-flat tires

Technical data | TCE 4420 / TCE 4425
---|---
Rim clamping | 10" – 23"
Rim width | 3" – 11"
Max. wheel diameter | 1,000 mm
Pneumatic air pressure | 8 – 12 bar
Motor output | 1.25 kW
Weight | 229 kg / 242 kg
W x H x D in mm | 1,000 x 1,830 x 1,720
**TCE 4220 and TCE 4225:**
Entry into tire service

**TCE 4220 and TCE 4225:**
Entry level solution with swing arm

Tire changer with swing arm especially for smaller companies.

- The mechanical rim release prevents damage to the rim during assembly
- Comfortable working position thanks to bead breaker integrated at the side
- Stable centering of the rim without presetting
- Clockwise and counterclockwise rotation
- Fast inflation system can be retrofitted as special accessory

**Highlights:**

- Swing arm
- Simple operation and efficient technology
- Two-sided pedal for rotary motion of the clamping plate for ideal work position for users

**Other interesting special accessories and important variations:**

- Through retrofitting the auxiliary column (TCE 200) and the auxiliary arm, even tires with a hard bead can be fitted easily and gently
- Comprehensive special accessories for motorcycle, quad bikes and motor scooters
- Integrated tire inflation with assembly claws (equipment supply TCE 4225)

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**Technical data**

<table>
<thead>
<tr>
<th></th>
<th>TCE 4220</th>
<th>TCE 4225</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rim clamping</td>
<td>10” – 23”</td>
<td></td>
</tr>
<tr>
<td>Rim width</td>
<td>3” – 10”</td>
<td></td>
</tr>
<tr>
<td>Max. wheel diameter</td>
<td>1,000 mm</td>
<td></td>
</tr>
<tr>
<td>Pneumatic air pressure</td>
<td>8 – 12 bar</td>
<td></td>
</tr>
<tr>
<td>Motor output</td>
<td>0.55 kW</td>
<td></td>
</tr>
<tr>
<td>Weight</td>
<td>202 kg / 213 kg</td>
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</tr>
<tr>
<td>W x H x D in mm</td>
<td>1,000 x 1,740 x 1,150 / 1,300</td>
<td></td>
</tr>
</tbody>
</table>

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**TCE 200**
TCE Tire changers:
Order number and special accessories

<table>
<thead>
<tr>
<th>Product name</th>
<th>Features / voltage</th>
<th>Order number</th>
</tr>
</thead>
<tbody>
<tr>
<td>TCE 4220</td>
<td>a x bbb V, cc/cc Hz</td>
<td>1 694 100 xxx</td>
</tr>
<tr>
<td>TCE 4225</td>
<td>a x bbb V, cc/cc Hz</td>
<td>1 694 100 xxx</td>
</tr>
<tr>
<td>TCE 4420</td>
<td>a x bbb V, cc/cc Hz</td>
<td>1 694 100 xxx</td>
</tr>
<tr>
<td>TCE 4425</td>
<td>a x bbb V, cc/cc Hz</td>
<td>1 694 100 xxx</td>
</tr>
<tr>
<td>TCE 4450</td>
<td>a x bbb V, cc/cc Hz</td>
<td>1 694 100 xxx</td>
</tr>
<tr>
<td>TCE 4450 S40</td>
<td>a x bbb V, cc/cc Hz</td>
<td>1 694 100 xxx</td>
</tr>
</tbody>
</table>

- **IT kit** (not necessary for TCE 4225, TCE 4245, TCE 4325, TCE 4425 and TCE 4465)
  - Order no.: 1 695 103 858

- **IT kit** (only for TCE 4460)
  - Order no.: 1 695 106 188

- **Motorbike adaptors for TCE 422x, TCE 432x and TCE 442x** (4 pcs.)
  - Order no.: 1 695 105 438

- **Scooters adaptors for TCE 422x, TCE 432x and TCE 442x** (4 pcs.)
  - Order no.: 1 695 105 440

- **Motorbike adaptor for TCE 4245 and TCE 446x**
  - Order no.: 1 695 105 439

- **Scooter adaptor for TCE 4245 and TCE 446x**
  - Order no.: 1 695 105 441

- **Roller board**
  - Order no.: 1 695 106 190

- **Storage kit** (not with side lift)
  - Order no.: 1 695 900 003

- **Bead pressing device** (lower profile)
  - Order no.: 1 695 103 261

- **Bead pressing device** (higher profile)
  - Order no.: 1 695 103 216

- **Bead breaking bearing motorbike wheel on TCE 421x, TCE 422x, TCE 423x, TCE 432x, TCE 441x, TCE 442x and TCE 445x**
  - Order no.: 1 695 103 252

- **Bead breaking bearing motorbike wheel on TCE 4245 and TCE 446x**
  - Order no.: 1 695 105 442
# TCE Tire changers: Special accessories

<table>
<thead>
<tr>
<th>Item Description</th>
<th>Order No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mounting head kit motorbike</td>
<td>1 695 103 210</td>
</tr>
<tr>
<td>Column tongue (5 pcs.)</td>
<td>1 695 101 608</td>
</tr>
<tr>
<td>Flange for rims without central hole (for TCE 4540)</td>
<td>1 695 105 904</td>
</tr>
<tr>
<td>Alu spacer (for TCE 4540)</td>
<td>1 695 105 855</td>
</tr>
<tr>
<td>5-holes reversed well rims flange (for TCE 4540)</td>
<td>1 695 105 906</td>
</tr>
<tr>
<td>6-holes reversed well rims flange (for TCE 4540)</td>
<td>1 695 105 907</td>
</tr>
<tr>
<td>8-holes reversed well rims flange (for TCE 4540)</td>
<td>1 695 105 908</td>
</tr>
<tr>
<td>Plastic protection for bead breaker (in the scope of delivery of TCE 446x)</td>
<td>1 695 106 152</td>
</tr>
<tr>
<td>Plastic rim protection</td>
<td>1 695 105 191</td>
</tr>
<tr>
<td>Light truck adapter kit (for TCE 4540)</td>
<td>1 695 106 262</td>
</tr>
<tr>
<td>Light transport vehicle cone (88 – 132 mm)</td>
<td>1 695 653 449</td>
</tr>
<tr>
<td>Plastic rim protection set (10 pcs.) (for TCE 4540)</td>
<td>1 695 105 905</td>
</tr>
<tr>
<td>Michelin Eurodainu inflation gun (only for TCE 4220 and TCE 4420)</td>
<td>1695 042 877</td>
</tr>
<tr>
<td>Tire lift (not with storage kit)</td>
<td>1 695 900 025</td>
</tr>
</tbody>
</table>

**Order No.** represents the part number for ordering the item.
**TCE** Tire changers: Special accessories

**TCE 100** – Automatic mounting head for the upgrade of TCE 445x and TCE 446x  
Order no.: 1 695 107 291

**TCE 200** – Optional column with helper device for TCE 421x, TCE 422x and TCE 423x  
Order no.: 1 695 900 002

**TCE 300** – Optional column with sliding arm and bead breaking tool for TCE 442x, TCE 4410, TCE 442x and TCE 445x  
Order no.: 1 695 900 001

**TCE 100** – Automatic mounting head for the upgrade of TCE 445x and TCE 446x  
Order no.: 1 695 107 291

**TCE 200** – Optional column with helper device for TCE 421x, TCE 422x and TCE 423x  
Order no.: 1 695 900 002

**TCE 300** – Optional column with sliding arm and bead breaking tool for TCE 442x, TCE 4410, TCE 442x and TCE 445x  
Order no.: 1 695 900 001

**TCE 320** – helper device for TCE 446x  
Order no.: 1 695 900 032

**Accessory arm for RFT (only with TCE 300)**  
Order no.: 1 695 102 985

**Accessory arm for PAX tires (only with TCE 300)**  
Order no.: 1 695 102 666

**Press-on cone for TCE 3xx**  
Order no.: 1 695 103 905

**Mounting lever (WdK-Model)**  
Order no.: 1 695 105 190

**Mounting tool cover**  
Order no.: 1 695 102 725

**Cone 40-125 mm**  
Order no.: 1 695 106 670

**Plastic protection for cone 40-125 mm**  
Order no.: 1 695 106 671

**Stud set for reversed rims 5 pcs. (to be used with P/N 1 695 105 904)**  
Order no.: 1 695 100 037

**TCE 100 turret covering kit**  
Order no.: 1 695 106 589

**Plastic lever (help for TCE 100)**  
Order no.: 1 695 107 027
WBE 4510 and WBE 4515: Balancing with laser tire diagnosis

**WBE 4510 and WBE 4515: Top machine in the latest generation – fast, precise, comfortable**
In addition to regular measurement results, the WBE 45 series permits well-founded tire diagnostics to help diagnose further sources of faults at tires and rims.
- Effortless lifting and positioning of the tire through an integrated tire lift
- Simple operation and efficient technology
- Different static and dynamic balancing options
- Matching of rim and tire imbalance
- Attachment of concealed weights behind the spokes
- Timesaving automatic tire positioning
- Electronic scanning arm for quick recording of the rim diameter and distance
- Automatic opening and closing of the tire cover
- Quiet motor
- Pneumatic wheel clamping with the version WBE 4515
- Easily readable TFT-monitor

**Highlights:**
- Balancing of passenger car and transporter wheels. Motorcycle wheels also possible with optional accessories
- Measurements with the laser measuring system:
  - Rim width, true running and tire conicity measurement
- Suggestion for optimum assembly position of the wheel on the vehicle
- Printout of measurement results for customer discussions (printer set available as special accessory)

**Technical data WBE 4510 / WBE 4515**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>WBE 4510</th>
<th>WBE 4515</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rim diameter</td>
<td>10&quot; – 26&quot;</td>
<td>1&quot; – 18&quot;</td>
</tr>
<tr>
<td>Rim width</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Max. wheel diameter</td>
<td>1,000 mm</td>
<td></td>
</tr>
<tr>
<td>Maximum wheel weight</td>
<td>70 kg</td>
<td></td>
</tr>
<tr>
<td>Balancing speed</td>
<td>190 rpm</td>
<td></td>
</tr>
<tr>
<td>Pneumatic air pressure</td>
<td>8 – 12 bar</td>
<td></td>
</tr>
<tr>
<td>Weight</td>
<td>355 kg</td>
<td></td>
</tr>
<tr>
<td>W x H x D in mm</td>
<td>2,205 x 1,950 x 1,300</td>
<td></td>
</tr>
</tbody>
</table>
WBE 4430 / 4435 and WBE 4230 / 4235: Allrounders with loads of comfort

WBE 4430 and WBE 4435: Comfortable monitor model for high performance
WBE 4230 and WBE 4235: model with new brilliant digital colour display

The WBE 443x series consists of wheel balancers with TFT-monitors designed for balancing passenger car, motorcycle and transporter wheels. Particularly space-saving and slim design.

- Different static and dynamic balancing options
- Programmable function keys for targeted and timesaving access to software menus
- Matching of rim and tire imbalance
- Attachment of concealed weights behind the spokes
- Multiple-user function of software
- Space-saving divided wheel cover
- Foot pedal brake for locking the wheel during weight attachment
- Pneumatic wheel clamping with the version WBE 4435 and WBE 4235
- Easily readable with 19" TFT-monitor
- WBE 4230 and WBE 4235 with easily readable digital display even in bad lighting conditions
- Optional light and laser ring for lighting the interior of the rim and positioning aid for fitting the balancing-weights (in equipment supply of versions S10, or sold like accessory in WBE 423x model)

### Highlights
- Measuring time in just six seconds
- New external arm for automatic measurement of wheel width
- New auto detect system for balancing program, clip weight and adhesive weights
- High capacity weight holder
- New wheel cover with ergonomic handle
- ALUDATA weight sticking system with automatic measurement of diameter and distance and automatic locking of the arm in position
- Electro magnetic brake to stop the wheel already in the right position (WBE443x model)

### Technical data

<table>
<thead>
<tr>
<th>Technical data</th>
<th>WBE 4430 / WBE 4435</th>
<th>WBE 4230 / WBE 4235</th>
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<tbody>
<tr>
<td>Rim diameter</td>
<td>12&quot; – 30&quot;</td>
<td>12&quot; – 30&quot;</td>
</tr>
<tr>
<td>Rim width</td>
<td>1&quot; – 21&quot;</td>
<td>1&quot; – 21&quot;</td>
</tr>
<tr>
<td>Max. wheel diameter</td>
<td>1,200 mm</td>
<td>1,200 mm</td>
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<tr>
<td>Maximum wheel weight</td>
<td>80 kg</td>
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<tr>
<td>Balancing speed (60 Hz / 50 Hz)</td>
<td>262 / 218 rpm</td>
<td>262 / 218 rpm</td>
</tr>
<tr>
<td>Weight</td>
<td>186 kg / 199 kg</td>
<td>163 kg / 175 kg</td>
</tr>
<tr>
<td>W x H x D in mm: WBE 4430</td>
<td>1,265 x 1,680 x 1,380</td>
<td>1,265 x 1,680 x 1,380</td>
</tr>
<tr>
<td>W x H x D in mm: WBE 4435</td>
<td>1,265 x 1,680 x 1,450</td>
<td>1,265 x 1,680 x 1,450</td>
</tr>
<tr>
<td>Technical data</td>
<td>WBE 4230 / WBE 4235</td>
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</tr>
<tr>
<td>Rim diameter</td>
<td>12&quot; – 30&quot;</td>
<td></td>
</tr>
<tr>
<td>Rim width</td>
<td>1&quot; – 21&quot;</td>
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</tr>
<tr>
<td>Max. wheel diameter</td>
<td>1,200 mm</td>
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<tr>
<td>Maximum wheel weight</td>
<td>80 kg</td>
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<tr>
<td>Balancing speed (60 Hz / 50 Hz)</td>
<td>262 / 218 rpm</td>
<td></td>
</tr>
<tr>
<td>Weight</td>
<td>163 kg / 175 kg</td>
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<tr>
<td>W x H x D in mm: WBE 4230</td>
<td>1,265 x 1,680 x 1,380</td>
<td></td>
</tr>
<tr>
<td>W x H x D in mm: WBE 4235</td>
<td>1,265 x 1,680 x 1,450</td>
<td></td>
</tr>
</tbody>
</table>
WBE 4400 and WBE 4200: Powerful and reliable

New: WBE 4400 and WBE 4200 – Precise measurement and easy handling

The WBE 4400 is a wheel balancing machine in a new ergonomic design with a TFT-monitor, which was developed for balancing wheels for cars, motorcycles and vans.

- New feature to detect the positioning of weights
- Various static and dynamic balancing options
- Multi-user operating controls
- Detection of imbalance on rims and tires
- Option for attaching weights behind rim spokes
- Foot brake for stopping the wheel during weight attachment
- Easy-to-read 19" TFT-monitor (WBE 4400), dual LED display (WBE 4200)
- Manual weight positioning at 3 locations (12/3/6)
- For wheels with a diameter up to 1,200 mm
- Customizable screensaver with the WBE 4400

Highlights:

- Large, deep weight compartments
- Space-saving wheel guard
- EASYFIX weight positioning system with automatic diameter and clearance measurement
- Optional external arm for automatic rim width measurement

Accessories included:

- Centering flange, quick release nut, rubber ring for clamping bell, 3 centering cones (42 to 111.5 mm), weight pliers, weight removal tool, gauge, calibration weight

Technical data

| WBE 4400 / WBE 4200 | Rim diameter | 10" – 26"
|---------------------|--------------|----------------|
|                     | Rim width    | 1" – 20"
|                     | Max. wheel diameter | 1,200 mm
|                     | Max. wheel weight  | 70 kg
|                     | Balancing speed (60 / 50 Hz) | 250 / 208 rpm
|                     | Weight (approx.)   | 131 kg or 124 kg
|                     | W x H x D in mm    | 1,260 x 1,830 x 1,270
WBE 4100, WBE 4110 and WBE 4140: Entry into wheel balancing service

WBE 4100, WBE 4110 and WBE 4140: Compact technology and high reliability

New: WBE 4140 with brilliant monitor display
Economic entry level solution for efficient wheel balancing servicing of passenger cars, motorcycles and light commercial vehicles.

- Different static and dynamic balancing programs
- Matching function integrated in the software to minimize rim and tire imbalance
- Attachment of concealed weights behind the spokes
- Multiple-user function of software
- Foot pedal brake for locking the wheel during weight attachment
- WBE 4140 with TFT-monitor, WBE 4110 and WBE 4100 with double display
- Wheel hood in equipment supply

Highlights:
- Scanning arm for recording the diameter and distance of the rim (equipment supply WBE 4140 and WBE 4110)
- Data arm available for recording the rim width (special accessories WBE 4140 and WBE 4110)

### Technical data WBE 4100 / WBE 4110

<table>
<thead>
<tr>
<th>Parameter</th>
<th>WBE 4100 / WBE 4110</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rim diameter</td>
<td>8&quot; – 26&quot; / 10&quot; – 26&quot;</td>
</tr>
<tr>
<td>Rim width</td>
<td>2&quot; – 20&quot;</td>
</tr>
<tr>
<td>Max. wheel diameter</td>
<td>820 mm</td>
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<tr>
<td>Maximum wheel weight</td>
<td>65 kg</td>
</tr>
<tr>
<td>Balancing speed (60 Hz / 50 Hz)</td>
<td>250 / 208 rpm</td>
</tr>
<tr>
<td>Weight</td>
<td>97 kg / 87 kg</td>
</tr>
<tr>
<td>W x H x D in mm</td>
<td>1,005 x 1,270 x 1,000</td>
</tr>
</tbody>
</table>

### Technical data WBE 4140

<table>
<thead>
<tr>
<th>Parameter</th>
<th>WBE 4140</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rim diameter</td>
<td>10&quot; – 26&quot;</td>
</tr>
<tr>
<td>Rim width</td>
<td>1&quot; – 24&quot;</td>
</tr>
<tr>
<td>Max. wheel diameter</td>
<td>820 mm</td>
</tr>
<tr>
<td>Maximum wheel weight</td>
<td>65 kg</td>
</tr>
<tr>
<td>Balancing speed (60 Hz / 50 Hz)</td>
<td>250 / 208 rpm</td>
</tr>
<tr>
<td>Weight</td>
<td>85 kg</td>
</tr>
<tr>
<td>W x H x D in mm</td>
<td>1,300 x 1,450 x 1,000</td>
</tr>
</tbody>
</table>
WBE Wheel balancers: Order number and special accessories

<table>
<thead>
<tr>
<th>Product name</th>
<th>Features / voltage</th>
<th>Order number</th>
</tr>
</thead>
<tbody>
<tr>
<td>WBE 4100</td>
<td>a x bbb V, cc/cc Hz</td>
<td>1 694 100 xxx</td>
</tr>
<tr>
<td>WBE 4110</td>
<td>a x bbb V, cc/cc Hz</td>
<td>1 694 100 xxx</td>
</tr>
<tr>
<td>WBE 4140</td>
<td>a x bbb V, cc/cc Hz</td>
<td>1 694 100 xxx</td>
</tr>
<tr>
<td>WBE 4200</td>
<td>a x bbb V, cc/cc Hz</td>
<td>1 694 100 xxx</td>
</tr>
<tr>
<td>WBE 4230</td>
<td>a x bbb V, cc/cc Hz</td>
<td>1 694 100 xxx</td>
</tr>
<tr>
<td>WBE 4235</td>
<td>a x bbb V, cc/cc Hz</td>
<td>1 694 100 xxx</td>
</tr>
<tr>
<td>WBE 4400</td>
<td>a x bbb V, cc/cc Hz</td>
<td>1 694 100 xxx</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Product name</th>
<th>Features / voltage</th>
<th>Order number</th>
</tr>
</thead>
<tbody>
<tr>
<td>WBE 4430</td>
<td>a x bbb V, cc/cc Hz</td>
<td>1 694 100 xxx</td>
</tr>
<tr>
<td>WBE 4430 S10</td>
<td>a x bbb V, cc/cc Hz</td>
<td>1 694 100 xxx</td>
</tr>
<tr>
<td>WBE 4435</td>
<td>a x bbb V, cc/cc Hz</td>
<td>1 694 100 xxx</td>
</tr>
<tr>
<td>WBE 4435 S10</td>
<td>a x bbb V, cc/cc Hz</td>
<td>1 694 100 xxx</td>
</tr>
<tr>
<td>WBE 4510</td>
<td>a x bbb V, cc/cc Hz</td>
<td>1 694 100 xxx</td>
</tr>
<tr>
<td>WBE 4515</td>
<td>a x bbb V, cc/cc Hz</td>
<td>1 694 100 xxx</td>
</tr>
</tbody>
</table>

**Tire elevator**
Order no.: 1 695 900 004

**Light transport vehicle cone (88 – 132 mm)**
Order no.: 1 695 653 449

**3-, 4-, 5-hole flange**
Order no.: 1 695 654 043

**4th cone (dia. 120 – 174 mm)**
Order no.: 1 695 606 300

**Cone spacer**
Order no.: 1 695 606 200

**Electronic rim with measuring arm (already in the scope of delivery of S10 versions)**
Order no.: 1 695 654 994

**Laser pointer with lighting system**
Order no.: 1 695 655 885

**Electronic rim with measuring arm (only for WBE 4140/41101)**
Order no.: 1 695 655 885

**Quick bolt kit for 3-, 4-, 5-hole flange**
Order no.: 1 695 612 100

**Large diameter clamping hood**
Order no.: 1 695 653 888

**Three arm flange for light trucks**
Order no.: 1 695 653 420

**Rubber cup**
Order no.: 1 695 624 800
**WBE Wheel balancers:**
Special accessories

- **Special centering kits for GM / OPEL**
  Order no.: 1 695 655 323

- **Special centering kits for GM / OPEL Expert**
  Order no.: 1 695 655 324

- **Special centering kits for BMW (without middle centering flange)**
  Order no.: 1 695 655 325

- **Special centering kits for Daimler / Smart (without middle centering flange)**
  Order no.: 1 695 655 326

- **Centering sleeve Mercedes (66,7 / 84 – 85 mm)**
  Order no.: 1 695 654 919

- **Centering sleeve 58 / 65 mm (f.e. Peugeot)**
  Order no.: 1 695 655 780

- **Centering sleeve 55 / 60 / 65 mm (f.e. Renault/Peugeot/Citroën)**
  Order no.: 1 695 655 781

- **Centering sleeve Ø 50-60 / 66 / 71 mm**
  Order no.: 1 695 656 571

- **QuickPlate 4-holes with standard heads**
  Order no.: 1 695 655 295

- **FixPlate world kit (4 FixPlates, 10 Studs/25 heads /1 Wall-board)**
  Order no.: 1 695 655 299

- **QuickPlate 6-holes with standard heads**
  Order no.: 1 695 655 297

- **QuickPlate 5-holes with standard heads**
  Order no.: 1 695 655 296

- **Wall board QuickPlate**
  Order no.: 1 695 655 298

- **FixPlate No. 1 – 4x98/4x100/4x101.6/4x108/4x114.3/7x150/4x170 (without studs and heads)**
  Order no.: 1 695 655 300

- **Set of QuickPlates (4-, 5- and 6-holes-plates)**
  Order no.: 1 695 655 294

- **QuickPlate 6-holes with standard heads**
  Order no.: 1 695 655 297

- **Centering sleeve 55 / 60 / 65 mm (f.e. Renault/Peugeot/Citroën)**
  Order no.: 1 695 655 781

- **Centering sleeve Ø 50-60 / 66 / 71 mm**
  Order no.: 1 695 656 571

- **QuickPlate 4-holes with standard heads**
  Order no.: 1 695 655 295

- **FixPlate world kit (4 FixPlates, 10 Studs/25 heads /1 Wall-board)**
  Order no.: 1 695 655 299

- **QuickPlate 6-holes with standard heads**
  Order no.: 1 695 655 297

- **QuickPlate 5-holes with standard heads**
  Order no.: 1 695 655 296

- **Wall board QuickPlate**
  Order no.: 1 695 655 298

- **FixPlate No. 1 – 4x98/4x100/4x101.6/4x108/4x114.3/7x150/4x170 (without studs and heads)**
  Order no.: 1 695 655 300
**WBE Wheel balancers:**

**Special accessories**

<table>
<thead>
<tr>
<th>FixPlate No. 2 – 5x98/5x108/5x110/5x115/5x120/5x127/5x130/5x135/5x139.7/5x154.95 (without studs and heads)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Order no.: 1 695 655 301</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Wall board FixPlate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Order no.: 1 695 655 305</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>FixPlate No. 3 – 5x100/5x120/5x114.3/5x120/5x127/5x130/5x139.7/5x150/5x165.1 (without studs and heads)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Order no.: 1 695 655 302</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>FixPlate No. 4 – 3x98/3x112/3x114.3/3x115/3x120/3x127/3x130/3x139.7/3x165.1/4x135/6x135/6x139.7/4x165.1 (without studs and heads)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Order no.: 1 695 655 303</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Plug in Stud for FixPlate without head</th>
</tr>
</thead>
<tbody>
<tr>
<td>Order no.: 1 695 655 304</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Head / short taper / Ø 24.5 mm / length head 28 mm / total 80 mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Order no.: 1 695 655 306</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Head / short taper / Ø 24.5 mm / length head 38 mm / total 90 mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Order no.: 1 695 655 307</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Head / short taper / Ø 24.5 mm / length head 48 mm / total 100 mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Order no.: 1 695 655 308</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Head / rounded head / Ø 24.5 mm / length head 38 mm / total 90 mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Order no.: 1 695 655 309</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Head / rounded head / Ø 24.5 mm / length head 48 mm / total 100 mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Order no.: 1 695 655 310</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Head / Range-/Landrover / Ø 34 mm / length head 28 mm / total 80 mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Order no.: 1 695 655 311</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Head / long taper / Ø 22.5 mm / length head 48 mm / total 100 mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Order no.: 1 695 655 312</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Head / long taper / Ø 22.5 mm / length head 58 mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Order no.: 1 695 655 313</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Head / long taper / Ø 19mm / length head 55.6 mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Order no.: 1 695 655 314</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Set of light truck cones (88 – 174 mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Order no.: 1 695 654 849</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Centering cone (168.5 – 194.5 mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Order no.: 1 695 655 757</td>
</tr>
</tbody>
</table>
WBE Wheel balancers:
Special accessories

Distance ring with magnets for Off-Road cone from the back incl. Pins (40 mm)
Order no.: 1 695 655 316

Polyamid spacer (donut) for Off-Road (40 mm)
Order no.: 1 695 654 895

Motorcycle flange (standard)
Order no.: 1 695 654 039

Monolever wheels centering (kit and shaft 19 mm)
Order no.: 1 695 654 060

Printer for WBE 4430-4435
Order no.: 1 695 042 875

Quick Fix for 14 mm shaft
Order no.: 1 695 654 117

Quick Fix for 19 mm shaft
Order no.: 1 695 655 321

Adaptor Ducati, Triumph
(19 mm axle)
Order no.: 1 695 653 538

Printer kit (complete with support) for WBE 451x
Order no.: 1 695 654 956

Centering shaft (Ø 10 mm) for conical shaft gripping length 177 mm
Order no.: 1 695 653 430

Centering shaft (Ø 14 mm) for conical shaft gripping length 233 mm
Order no.: 1 695 604 700

Side storage for special accessories and printer
Order no: 1 695 656 409

Off-Road set with 2 flange plate adaptors, coloured-coded, two sets of studs incl. 1 wall board, wallchart and Off-Road spacer
Order no.: 1 695 655 327

Weight scraper
Order no.: 1 695 656 585

Flange case for passenger car
Order no.: 1 695 656 570

Flange case for truck
Order no: 1 695 656 569

Polyamid spacer (donut) for Off-Road (40 mm)
Order no.: 1 695 654 895

Centering shaft (Ø 10 mm) for conical shaft gripping length 177 mm
Order no.: 1 695 653 430

Centering shaft (Ø 14 mm) for conical shaft gripping length 233 mm
Order no.: 1 695 604 700

Side storage for special accessories and printer
Order no: 1 695 656 409

Off-Road set with 2 flange plate adaptors, coloured-coded, two sets of studs incl. 1 wall board, wallchart and Off-Road spacer
Order no.: 1 695 655 327

Weight scraper
Order no.: 1 695 656 585

Flange case for passenger car
Order no.: 1 695 656 570

Flange case for truck
Order no: 1 695 656 569
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