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THIS DOCUMENT ONLY COVERS NEW PRODUCTS FOR 2013.

THIS DOCUMENT UPDATES YOUR TECHNICAL INFORMATION AND SHOULD THEREFORE BE KEPT CAREFULLY WITH THE MANUALS FROM PREVIOUS YEARS, WITH NO TIME LIMITATION.

ALL INFORMATION ON PRODUCTS ALREADY INCLUDED IN PREVIOUS RANGES CAN BE FOUND IN THE TECHNICAL MANUALS PUBLISHED SINCE 1997.

PLEASE VISIT THE INTERNET SITE WWW.TECH-MAVIC.COM TO FIND ALL EDITIONS OF THIS MANUAL PUBLISHED SINCE 1997.
This website (in English, French, German, Spanish, Italian and Japanese) is at your complete disposal. All information about Mavic products released since 1997 is available in PDF format and downloadable from this easily accessible and user-friendly site.

Visit: www.tech-mavic.com where you will find all this information. To connect to this website you will need a user name and password:

User name: mavic-com
Password: dealer

Among other things on the website, you will find:

- The technical details on all Mavic products marketed since 1997 - wheels, rims, components - arranged by discipline and by product.
- 4 recap charts of spoke lengths and references for all our wheels, which will help you to manage your spoke stock.
- A program for calculating spoke length: starting with a Mavic rim, select the drilling, lacing pattern and the width of your hub, as well as the diameter of the flanges and the distances between the flange and the frame or fork support; the spoke length required to build your wheel will be calculated automatically.

We hope that this tool will meet your needs. Do not hesitate to point out any malfunctions you identify or improvements that you would like to see.
Use: for track bike use only. Any other use (such as on a tandem, road bike, cyclo-cross bike, or off-road use...) is highly inadvisable, is the sole responsibility of the user and voids the Mavic warranty.

Recommended maximum weight of the cyclist and equipment: 100 kg.

WHEEL WEIGHT WITHOUT QUICK-RELEASE SKEWER AND WITHOUT TUBULAR

<table>
<thead>
<tr>
<th></th>
<th>Front</th>
<th>Rear</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weight</td>
<td>980 g</td>
<td>980 g</td>
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WHEEL REFERENCES

<table>
<thead>
<tr>
<th></th>
<th>Front</th>
<th>Rear</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reference</td>
<td>327 309 10</td>
<td>326 664 13</td>
</tr>
</tbody>
</table>

ACCESSORIES

- Tightening screw M40772
- Wheel bags M40135
- Wheel user guide

HUBS

MAINTENANCE: Clean with a dry cloth or soapy water if necessary.
Do not use a high-pressure washer.

REPLACING THE FRONT AND BEARINGS:

1. Using 2 15 mm open-end wrenches, unscrew the axle end screws. Only one of the 2 needs to be unscrewed from the axle in order for it to be extracted from the hub;
2. To remove the 2nd axle end screw, insert a 5 mm Allen wrench into the axle on the side opposite the remaining axle end screw; hold the axle end screw with a 15 mm open end-wrench and unscrew the assembly;
3. Remove the bearings, then install the new ones;
4. Repeat procedure 1 above in reverse order.
COMETE ROAD 2013

Use: for road bike use only. Any other use (such as on a tandem, cyclo-cross bike, or off-road use...) is highly inadvisable, is the sole responsibility of the user and voids the Mavic warranty. Recommended maximum weight of the cyclist and equipment: 100 kg.

**WHEEL WEIGHT WITHOUT QUICK-RELEASE SKEWER AND WITHOUT TUBULAR**
- Rear M11: 1115 g
- Rear ED11: 1100 g

**WHEEL REFERENCES**
- Rear M11: 326 483 11
- Rear ED11: 326 484 12

**EXALITH 2:** for efficient and long-lasting braking performance, use only the special Mavic® Exalith 2® brake pads supplied with your wheels. The use of other brake pads may be dangerous for the user and will lead to exclusion of the warranty. Please carefully read the “Exalith 2 Warning” provided with your wheels. The brake pads can be ordered separately using the following references 329 435 01 (HG, Sram, Mavic) and 329 436 01 (ED).

**HUBS MAINTENANCE:** Clean with a dry cloth or soapy water if necessary. Do not use a high-pressure washer.

**ACCESSORIES**
- BR 601 rear quick-release skewer M40150
- Valve adapter 323 634 01
- Wheel bags M40135
- Yksion Pro PowerLink rear tubular (325 929 23)
- Mavic brake pads for braking on Exalith 2 brake track HG/Sram/Mavic 329 435 01 and ED 329 436 01
- ED11 12D locking ring (with rear wheel ED11) 108 317 01
- Wheel and tubular user guide

**MAINTENANCE**
- Specific tool: Rear bearing: M40120 and 351 266 01

Refer to the website for quick and convenient access to maintenance information (replacement of an axle, bearings, free wheel, spokes, and rims)
www.tech-mavic.com

**ACCESSORIES MAINTENANCE WHEELS SUPPLIED WITH:**
- • BR 601 rear quick-release skewer M40150
- • Valve adapter 323 634 01
- • Wheel bags M40135
- • Yksion Pro PowerLink rear tubular (325 929 23)
- • Mavic brake pads for braking on Exalith 2 brake track HG/Sram/Mavic 329 435 01 and ED 329 436 01
- • ED11 12D locking ring (with rear wheel ED11) 108 317 01
- • Wheel and tubular user guide
COSMIC CXR 80

**Use:** for road bike use only. Any other use (such as on a tandem, cyclo-cross bike, or off-road use...) is highly inadvisable, is the sole responsibility of the user and voids the Mavic warranty.

Recommended maximum weight of the cyclist and equipment: 100 kg.

**WHEEL WEIGHT WITHOUT QUICK-RELEASE SKEWER AND WITHOUT TUBULAR**

<table>
<thead>
<tr>
<th></th>
<th>Front</th>
<th>Rear M11</th>
<th>Rear ED11</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weight</td>
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<td>920 g</td>
<td>985 g</td>
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**WHEEL REFERENCES**

<table>
<thead>
<tr>
<th></th>
<th>Front</th>
<th>Rear M11</th>
<th>Rear ED11</th>
<th>Pair M10</th>
<th>Pair ED11</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reference</td>
<td>127 322 10</td>
<td>127 323 11</td>
<td>127 324 12</td>
<td>127 325 14</td>
<td>127 326 14</td>
</tr>
</tbody>
</table>

**RIMS**

**SALES REFERENCES**

- Front: 308 603 10
- Rear: 308 603 13

**Ø VALVE HOLE**

- Ø: 6.5 mm

**RECOMMENDED TYRE WIDTH**

- Dimensions: ETRTO 633 Tubular
- Use only the Yksion CXR tubular

When replacing the rear rim:

1. With the valve hole near you, turn the rim so that the “infobloc” label can be seen.
2. The first spoke to the right of the valve hole is a non-traction spoke and should be inserted in the drive side hub.

**HUBS**

**MAINTENANCE:**

Clean with a dry cloth or soapy water if necessary.

Do not use a high-pressure washer.

**WHEEL BUILDING**

**REFERENCES AND LENGTHS:**

- Front and rear non-drive side: 308 632 01, length 235 mm (per 8, nipples included)
- Drive side: 308 631 01, length 232 mm (per 10, nipples included)

**FEATURES:**

- Black, swaged, bladed, straight pull steel spokes with ABS type spoke nipples

**LACING PATTERN:**

- Front: radial
- Rear: 2-crossed drive side, radial non-drive side

**TENSION:**

- Front: 60 to 70 kg
- Rear drive side: 100 to 110 kg

**ACCESSORIES MAINTENANCE**

**WHEELS SUPPLIED WITH:**

- BR 601 front quick-release skewer M40149
- BR 601 rear quick-release skewer M40150
- Computer magnet M40540 (with front wheel)
- Spoke wrench M40001 (with rear wheel)
- 2 multifunction adjustment wrenches 325 423 01
- Valve extender 118 952 01
- Wheel bags M40135
- Yksion CXR GripLink front tubular (127 785 23)
- Yksion CXR PowerLink rear tubular (127 786 23)
- CX01 blades 128 994 01
- Mavic CXR specific brake pads for braking on a carbon brake track: HG/Sram/Mavic 128 443 01 or ED 128 444 01
- ED11 12D locking ring (with rear wheel ED11) 108 317 01
- Wheel, tubular and CX01 user guide

**MAINTENANCE**

**Specific tool:**

- Front bearing: M40120
- Rear bearing: M40120 and 351 266 01
- Spoke wrench: M40001

Refer to the website for quick and convenient access to maintenance information (replacement of an axle, bearings, free wheel, spokes, and rims)

[www.tech-mavic.com](http://www.tech-mavic.com)
**COSMIC CARBONE 80**

**Use:** For road bike use only. Any other use (such as on a tandem, cyclo-cross bike, or off-road use...) is highly inadvisable, is the sole responsibility of the user and voids the Mavic warranty.

Recommended maximum weight of the cyclist and equipment: 100 kg.

**WHEEL WEIGHT WITHOUT QUICK-RELEASE SKEWER AND WITHOUT TUBULAR**

<table>
<thead>
<tr>
<th></th>
<th>Front</th>
<th>Rear M11</th>
<th>Rear ED11</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weight</td>
<td>725 g</td>
<td>930 g</td>
<td>915 g</td>
</tr>
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**WHEEL REFERENCES**

<table>
<thead>
<tr>
<th></th>
<th>Front</th>
<th>Rear M10</th>
<th>Rear ED11</th>
<th>Pair M10</th>
<th>Pair ED11</th>
</tr>
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<tbody>
<tr>
<td>Reference</td>
<td>327 998 10</td>
<td>327 999 11</td>
<td>328 000 12</td>
<td>328 001 14</td>
<td>328 002 14</td>
</tr>
</tbody>
</table>

**RIMS**

**Sales References**

- Front: 329 769 10
- Rear: 329 769 13

**Ø Valve Hole**

- 6.5 mm

**Recommended Tyre Width**

- Dimensions: ETRTO 633 Tubular
- Recommended tubular width: 19 to 28 mm

**When replacing the rear rim:**

1. With the valve hole near you, turn the rim so that the “infobloc” label can be seen.
2. The first spoke to the right of the valve hole is a non-traction spoke and should be inserted in the drive side hub.

**HUBS**

**Maintenance:**

- Clean with a dry cloth or soapy water if necessary.
- Do not use a high-pressure washer.

**Wheel Building**

**References and Lengths:**

- Front and rear non-drive side: 328 632 01, length 235 mm (per 8, nipples included)
- Drive side: 328 631 01, length 232 mm (per 10, nipples included)

**Features:**

- Black, swaged, bladed, straight pull steel spokes with ABS type spoke nipples

**Lacing Pattern:**

- Front: radial
- Rear: 2-crossed drive side, radial non-drive side

**Tension:**

- Front: 60 to 70 kg
- Rear drive side: 100 to 110 kg

**Accessories**

**Wheels supplied with:**

- BR 601 front quick-release skewer M40149
- BR 601 rear quick-release skewer M40150
- Computer magnet M40540 (with front wheel)
- Spoke wrench M40001 (with rear wheel)
- 2 multifunction adjustment wrenches 325 423 01
- Valve extender 118 952 01
- Wheel bags M40135
- Yksion Pro GripLink front tubular (325 928 23)
- Yksion Pro PowerLink rear tubular (325 929 23)
- Mavic brake pads for braking on a carbon brake track: HG/Sram/Mavic 120 131 01 or ED 120 132 01
- ED11 12D locking ring (with rear wheel ED11) 108 317 01
- Wheel and tubular user guide

**Maintenance**

**Specific tools:**

- Front bearing: M40120
- Rear bearing: M40120 and 351 266 01
- Spoke wrench: M40001

Refer to the website for quick and convenient access to maintenance information (replacement of an axle, bearings, free wheel, spokes, and rims)

www.tech-mavic.com
**COSMIC CARBONE SLE**

*Use:* for road bike use only. Any other use (such as on a tandem, cyclo-cross bike, or off-road use...) is highly inadvisable, is the sole responsibility of the user and voids the Mavic warranty.

Recommended maximum weight of the cyclist and equipment: 100 kg.

<table>
<thead>
<tr>
<th>WHEEL WEIGHT WITHOUT QUICK-RELEASE SKEWER AND WITHOUT CLINCHER</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Front</strong></td>
</tr>
<tr>
<td><strong>Rear M11</strong></td>
</tr>
<tr>
<td><strong>Rear ED11</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>WHEEL REFERENCES</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Front</strong></td>
</tr>
<tr>
<td><strong>Rear M10</strong></td>
</tr>
<tr>
<td><strong>Rear ED11</strong></td>
</tr>
<tr>
<td><strong>Pair M10</strong></td>
</tr>
<tr>
<td><strong>Pair ED11</strong></td>
</tr>
</tbody>
</table>

**SALES REFERENCES**

<table>
<thead>
<tr>
<th>Ø VALVE HOLE</th>
<th>RECOMMENDED TYRE WIDTH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ø: 6.5 mm</td>
<td>Dimensions: ETRTO 622x13C</td>
</tr>
<tr>
<td></td>
<td>Recommended clincher width: 19 to 25 mm</td>
</tr>
</tbody>
</table>

When replacing the rear rim:
1. Refer to the label indicating the rolling direction to identify the drive side of the rim
2. With the valve hole near you, the spoke in the first hole to the right of the valve hole is a non-traction spoke and should be inserted in the drive side.

**EXALITH 2:** for efficient and long-lasting braking performance, use only the special Mavic® Exalith® brake pads supplied with your wheels. The use of other brake pads may be dangerous for the user and will lead to exclusion of the warranty. Please carefully read the “Exalith 2 Warning” provided with your wheels. Clean with a dry cloth or soapy water if necessary. The brake pads can be ordered separately using the following references 329 435 01 (HG, Sram, Mavic) and 329 436 01 (ED).

**RIMS**

**HUBS**

**MAINTENANCE:** Clean with a dry cloth or soapy water if necessary. Do not use a high-pressure washer.

**WHEEL BUILDING**

<table>
<thead>
<tr>
<th>REFERENCES AND LENGTHS:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Front and rear non-drive side:</td>
</tr>
<tr>
<td>Drive side:</td>
</tr>
</tbody>
</table>

**FEATURES:**
- Black, swaged, bladed, straight pull steel spokes with ABS type spoke nipples

**LACING PATTERN:**
- Front: radial
- Rear: 2-crossed drive side, radial non-drive side

**TENSION:**
- Front: 85 to 95 kg
- Rear drive side: 110 to 125 kg

**ACCESSORIES**

- BR 601 front quick-release skewer M40149
- BR 601 rear quick-release skewer M40150
- Computer magnet M40540 (with front wheel)
- Spoke wrench M40001 (with rear wheel)
- 2 multifunction adjustment wrenches 325 423 01
- Valve extender 118 952 01
- Wheel bags M40135
- Yksion Pro White GripLink 23 mm front clincher (328 351 23)
- Yksion Pro White PowerLink 23 mm rear clincher (328 352 23)
- Mavic butyl inner tubes (127 385 01)
- Mavic brake pads for braking on Exalith 2 brake track: HG/Sram/Mavic 329 435 01 or ED 329 436 01
- ED11 12D locking ring (with rear wheel ED11) 108 317 01
- Wheel and clincher user guide

**WHEELS SUPPLIED WITH:**

**MAINTENANCE**

- Specific tool: M40120
- Front bearing: M40120 and 351 266 01
- Rear bearing: M40120 and 351 266 01
- Spoke wrench: M40001

Refer to the website for quick and convenient access to maintenance information (replacement of an axle, bearings, free wheel, spokes, and rims)

www.tech-mavic.com
R-SYS SLR (clincher version)

**Use:** for road bike use only. Any other use (such as on a tandem, cyclo-cross bike, or off-road use...) is highly inadvisable, is the sole responsibility of the user and voids the Mavic warranty.

Recommended maximum weight of the cyclist and equipment: 100 kg.

**WHEEL WEIGHT WITHOUT QUICK-RELEASE SKEWER AND WITHOUT CLINCHER**

<table>
<thead>
<tr>
<th></th>
<th>Front</th>
<th>Rear M10</th>
<th>Rear ED11</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weight</td>
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<td>755 g</td>
<td>740 g</td>
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**WHEEL REFERENCES**

<table>
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<th>Front</th>
<th>Rear M10</th>
<th>Rear ED11</th>
<th>Pair M10</th>
<th>Pair ED11</th>
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<tbody>
<tr>
<td>Wheel</td>
<td>325 667 10</td>
<td>325 668 11</td>
<td>325 669 12</td>
<td>325 670 14</td>
<td>325 671 14</td>
</tr>
</tbody>
</table>

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**RIMS**

**SALES REFERENCES**

Front: 329 884 10  
Rear: 329 884 13

**Ø VALVE HOLE**

- Ø 6.5 mm

**RECOMMENDED TYRE WIDTH**

Dimensions: ETRTO 622x15C  
Recommended clincher width: 23 to 32 mm

**When replacing the rear rim:**

1. With the valve hole near you, the two raised indicator bumps must be to the right of the valve hole.  
2. The spoke in the first hole to the right of the valve hole should be inserted in the drive side.

**EXALITH 2:** for efficient and long-lasting braking performance, use only the special Mavic® Exalith 2® brake pads supplied with your wheels. The use of other brake pads may be dangerous for the user and will lead to exclusion of the warranty. Please carefully read the “Exalith 2 Warning” provided with your wheels. Clean with a dry cloth or soapy water if necessary. The brake pads can be ordered separately using the following references 329 435 01 (HG, Sram, Mavic) and 329 436 01 (ED).

**HUBS**

**MAINTENANCE:** Clean with a dry cloth or soapy water if necessary. Do not use a high-pressure washer.

**WHEEL BUILDING**

**REFERENCES AND LENGTHS:**

Front: 120 296 01, length 285 mm (per 9, integrated nipples)  
Drive side: 108 446 01, length 294.5 mm (per 10, integrated nipples)  
Non-drive side: 120 295 01, length 283.7 mm (per 10, integrated nipples)

**LACING PATTERN:**

- Drive side: radial
- Non-drive side: Tracomp system

**ACCESSORIES MAINTENANCE WHEELS SUPPLIED WITH:**

- BR 601 front quick-release skewer M40149  
- BR 601 rear quick-release skewer M40150  
- Removable computer magnet (with front wheel) 105 416 01  
- 2 multifunction adjustment wrenches 325 423 01  
- Tracomp ring tool 996 080 01  
- Wheel bags M40135  
- ED11 12D locking ring (with rear wheel ED11) 108 317 01  
- Mavic butyl inner tubes (127 385 01)  
- Mavic brake pads for braking on Exalith 2 brake track: HG/Sram/Mavic 329 435 01 or ED 329 436 01  
- Wheel and clincher user guide

**ACCESSORIES MAINTENANCE WHEELS SUPPLIED WITH:**

- TRACOMP RING TOOL M40135  
- ED11 12D LOCKING RING (WITH REAR WHEEL ED11) 108 317 01  
- Yksion Pro SSC GripLink 23 mm front clincher (325 930 23)  
- Yksion Pro SSC PowerLink 23 mm rear clincher (325 931 23)  
- Mavic brake pads for braking on Exalith 2 brake track: HG/Sram/Mavic 329 435 01 or ED 329 436 01  
- Wheel and clincher user guide

**MAINTENANCE**

**Specific tool:**

- Front bearing: 323 909 01  
- Rear bearing: 323 909 01 and 351 266 01  
- Spoke wrench: 996 079 01

Refer to the website for quick and convenient access to maintenance information (replacement of an axle, bearings, free wheel, spokes, and rims)

www.tech-mavic.com

Never turn a Tracomp spoke nipple without having first removed the Tracomp rings from the hub, otherwise the spoke may be irreversibly damaged. Never fit a computer magnet other than the one supplied with the wheel. Only transport the wheels in the wheel bags supplied. Avoid side shocks to the Tracomp spokes.
**R-SYS SLR (tubular version)**

**Use:** For road bike use only. Any other use (such as on a tandem, cyclo-cross bike, or off-road use...) is highly inadvisable, is the sole responsibility of the user and voids the Mavic warranty.

Recommended maximum weight of the cyclist and equipment: 100 kg.

---

### Wheel weight

<table>
<thead>
<tr>
<th>Referenced without quick-release skewer and without tubular</th>
<th>Front: 555 g</th>
<th>Rear: 745 g</th>
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<tbody>
<tr>
<td>Rear M10: 730 g</td>
<td>Rear ED11: 730 g</td>
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### Wheel references

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<tr>
<th>Front</th>
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<tbody>
<tr>
<td>325 666 10</td>
<td>325 661 11</td>
<td>325 662 12</td>
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<td>Pair M10</td>
<td>325 663 14</td>
<td>Pair ED11</td>
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<tr>
<td>325 664 14</td>
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### Rim (SALES REFERENCES)

<table>
<thead>
<tr>
<th>Ø Valve Hole</th>
<th>Ø: 6.5 mm</th>
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</table>

**When replacing the rear rim:**

1. With the valve hole near you, the two raised indicator bumps must be to the right of the valve hole.
2. The spoke in the first hole to the right of the valve hole valve must be inserted in the drive side.

### Hubs (MAINTENANCE)

**Clean:** With a dry cloth or soapy water if necessary. Do not use a high-pressure washer.

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### Wheel building

**Features:**

- Front and rear non-drive side: carbon tubular spokes (Tracomp) with integrated and self-locking M7 nipples
- Rear drive side: black bladed, straight pull Zicral spokes with integrated and self-locking M7 nipples

**Lacing pattern:**

- Front: radial
- Rear: 2-cross lacing drive side, radial non-drive, Tracomp system

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### Accessories

- BR 601 front quick-release skewer M40149
- BR 601 rear quick-release skewer M40150
- Removable computer magnet (with front wheel) 105 416 01
- 2 multifunction adjustment wrenches 325 423 01
- Tracomp ring tool 996 080 01
- Wheel bags M40135
- ED11 12D locking ring (with rear wheel ED11) 108 317 01
- Yksion Pro SSC GripLink 23 mm front tubular (325 928 23)
- Yksion Pro SSC PowerLink 23 mm rear tubular (325 929 23)
- Mavic brake pads for braking on Exalith 2 brake track: HG/Sram/Mavic 329 435 01 or ED 329 436 01
- Wheel and tubular user guide

**Specific tool:**

- Front bearing: 323 909 01
- Rear bearing: 323 909 01 and 351 266 01
- Spoke wrench: 996 079 01

Refer to the website for quick and convenient access to maintenance information (replacement of an axle, bearings, free wheel, spokes, and rims)

www.tech-mavic.com

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**Rims**

- Ø: 6.5 mm

**Recommended tyre width:**

Dimensions: ETRTO 633 Tubular

Recommended tubular width: 19 to 28 mm

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**Hubs:**

**Clean:** With a dry cloth or soapy water if necessary. Do not use a high-pressure washer.

---

**Wheels supplied with:**

- BR 601 front quick-release skewer M40149
- BR 601 rear quick-release skewer M40150
- Removable computer magnet (with front wheel) 105 416 01
- 2 multifunction adjustment wrenches 325 423 01
- Mavic brake pads for braking on Exalith 2 brake track: HG/Sram/Mavic 329 435 01 or ED 329 436 01
- Wheel and tubular user guide

Never turn a Tracomp spoke nipple without having first removed the Tracomp rings from the hub, otherwise the spoke may be irreversibly damaged.

Never fit a computer magnet other than the one supplied with the wheel.

Avoid side shocks to the Tracomp spokes.

Only transport the wheels in the wheel bags supplied. Avoid side shocks to the Tracomp spokes.

---

**Exalith 2:** For efficient and long-lasting braking performance, use only the special Mavic® Exalith 2® brake pads supplied with your wheels.

The use of other brake pads may be dangerous for the user and will lead to exclusion of the warranty.

Please carefully read the “Exalith 2 Warning” provided with your wheels. Clean with a dry cloth or soapy water if necessary.

The brake pads can be ordered separately using the following references 329 435 01 (HG, Sram, Mavic) and 329 436 01 (ED).

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**Wheel weights without quick-release skewer and without tubular**

<table>
<thead>
<tr>
<th>Front</th>
<th>Rear M10</th>
<th>Rear ED11</th>
</tr>
</thead>
<tbody>
<tr>
<td>325 660 10</td>
<td>325 661 11</td>
<td>325 662 12</td>
</tr>
<tr>
<td>Pair M10</td>
<td>325 663 14</td>
<td>Pair ED11</td>
</tr>
<tr>
<td>325 664 14</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

---

**Tension:**

- Front: 70 to 90 kg
- Rear drive side: 90 to 110 kg
**KSYRIUM SLR**

**Use:** for road bike use only. Any other use (such as on a tandem, cyclo-cross bike, or off-road use...) is highly inadvisable, is the sole responsibility of the user and voids the Mavic warranty.

Recommended maximum weight of the cyclist and equipment: 100 kg.

**WHEEL WEIGHT WITHOUT QUICK-RELEASE SKEWER AND WITHOUT CLINCHER**

<table>
<thead>
<tr>
<th></th>
<th>Front</th>
<th>Rear M10</th>
<th>Rear ED11</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weight</td>
<td>630 g</td>
<td>795 g</td>
<td>780 g</td>
</tr>
</tbody>
</table>

**WHEEL REFERENCES**

<table>
<thead>
<tr>
<th></th>
<th>Front</th>
<th>Rear M10</th>
<th>Rear ED11</th>
<th>Rear ED11</th>
</tr>
</thead>
<tbody>
<tr>
<td>References</td>
<td>326 546 10</td>
<td>326 547 11</td>
<td>326 548 12</td>
<td>326 549 14</td>
</tr>
</tbody>
</table>

**RIMS**

**SALES REFERENCES**

<table>
<thead>
<tr>
<th></th>
<th>Front</th>
<th>Rear</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dimensions</td>
<td>120 208 10</td>
<td>308 610 13</td>
</tr>
</tbody>
</table>

**Ø VALVE HOLE**

Ø: 6.5 mm

**RECOMMENDED TYRE WIDTH**

Dimensions: ETRTO 622x15C

Recommended clincher width: 23 to 32 mm

**When replacing the rear rim:**

1. With the valve hole near you, the two raised indicator bumps must be to the right of the valve hole.
2. The spoke in the first hole to the right of the valve hole should be inserted in the drive side.

**EXALITH 2:** for efficient and long-lasting braking performance, use only the special Mavic® Exalith 2® brake pads supplied with your wheels. The use of other brake pads may be dangerous for the user and will lead to exclusion of the warranty. Please carefully read the “Exalith 2 Warning” provided with your wheels. Clean with a dry cloth or soapy water if necessary. The brake pads can be ordered separately using the following references 329 435 01 (HG, Sram, Mavic) and 329 436 01 (ED).

**HUBS**

**MAINTENANCE:** Clean with a dry cloth or soapy water if necessary. Do not use a high-pressure washer.

**ACCESSORIES**

**WHEELS SUPPLIED WITH:**

- BR 601 front quick-release skewer M40149
- BR 601 rear quick-release skewer M40150
- Accessory computer magnet (with front wheel) 105 416 01
- 2 multifunction adjustment wrenches 325 423 01
- Tracomp ring tool 996 080 01
- Wheel bags M40135
- ED11 120 locking ring (with rear wheel ED11) 108 317 01
- Yksion Pro SSC GripLink 23 mm front clincher (325 930 23)
- Yksion Pro SSC PowerLink 23 mm rear clincher (325 931 23)
- Mavic butyl inner tubes (127 355 01)
- Mavic brake pads for braking on Exalith 2 brake track: HG/Sram/Mavic 329 435 01 or ED 329 436 01
- Wheel and clincher user guide

**MAINTENANCE**

**Specific tool:**

- Front bearing: M40120
- Rear bearing: M40120 and 351 266 01
- Spoke wrench: 996 079 01

Refer to the website for quick and convenient access to maintenance information (replacement of an axle, bearings, free wheel, spokes, and rims)

www.tech-mavic.com

Never turn a Tracomp spoke nipple without having first removed the Tracomp rings from the hub, otherwise the spoke may be irreversibly damaged.

Never fit a computer magnet other than the one supplied with the wheel.

Only transport the wheels in the wheel bags supplied. Avoid side shocks to the Tracomp spokes.
R-SYS

Use: for road bike use only. Any other use (such as on a tandem, cyclo-cross bike, or off-road use...) is highly inadvisable, is the sole responsibility of the user and voids the Mavic warranty.

Recommended maximum weight of the cyclist and equipment: 100 kg.

WHEEL WEIGHT WITHOUT QUICK-RELEASE SKEWER AND WITHOUT CLINCHER

<table>
<thead>
<tr>
<th></th>
<th>Front</th>
<th>Rear M10</th>
<th>Rear ED11</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weight</td>
<td>575 g</td>
<td>795 g</td>
<td>760 g</td>
</tr>
</tbody>
</table>

WHEEL REFERENCES

<table>
<thead>
<tr>
<th></th>
<th>Front</th>
<th>Rear M10</th>
<th>Rear ED11</th>
<th>Pair M10</th>
<th>Pair ED11</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reference</td>
<td>328 274 10</td>
<td>328 275 11</td>
<td>328 276 12</td>
<td>328 277 14</td>
<td>328 278 14</td>
</tr>
</tbody>
</table>

SALES REFERENCES

<table>
<thead>
<tr>
<th></th>
<th>Front:</th>
<th>Rear:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reference</td>
<td>308 607 10</td>
<td>308 607 13</td>
</tr>
</tbody>
</table>

RIMS

Ø VALVE HOLE

Dimensions: ETRTO 622x15C

Recommended clincher width: 23 to 32 mm

When replacing the rear rim:
1. With the valve hole near you, the two raised indicator bumps must be to the right of the valve hole.
2. The spoke in the first hole to the right of the valve hole should be inserted in the drive side.

FEATURES:

Front and rear non-drive side: carbon tubular spokes (Tracomp) - new generation
Rear drive side: black round, straight pull Zicral spokes with integrated, self-locking M7 nipples

LACING PATTERN:

Front: radial, Tracomp system
Rear: 2-cross lacing drive side, radial non-drive side, Tracomp system

HUBS

MAINTENANCE: Clean with a dry cloth or soapy water if necessary. Do not use a high-pressure washer.

WHEEL BUILDING

REFERENCES AND LENGTHS:

<table>
<thead>
<tr>
<th></th>
<th>Front:</th>
<th>Rear M10</th>
<th>Rear ED11</th>
<th>Pair M10</th>
<th>Pair ED11</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reference</td>
<td>107 958 01</td>
<td>108 445 01</td>
<td>107 959 01</td>
<td>328 274 10</td>
<td>328 275 11</td>
</tr>
<tr>
<td>Length</td>
<td>length 285 mm (per 9 + 1 decorated, integrated nipples)</td>
<td>length 294.5 mm (per 10, integrated nipples)</td>
<td>length 284 mm (per 10 + 1 decorated, integrated nipples)</td>
<td>328 276 12</td>
<td>328 277 14</td>
</tr>
</tbody>
</table>

TENSION:

Front: 70 to 90 kg
Rear drive side: 90 to 110 kg

ACCESSORIES

- BR 601 front quick-release skewer M40149
- BR 601 rear quick-release skewer M40150
- Removable computer magnet (with front wheel) 105 416 01
- 2 multifunction adjustment wrenches 325 423 01
- Tracomp ring tool 996 080 01
- Wheel bags M40135
- ED11 12D locking ring (with rear wheel ED11) 108 317 01
- Yksion Pro White GripLink 23 mm front clincher (328 351 23)
- Yksion Pro White PowerLink 23 mm rear clincher (328 352 23)
- Manic butyl inner tubes (127 385 01)
- Wheel and clincher user guide

WHEELS SUPPLIED WITH:

- M40149
- M40150
- M40120
- 351 266 01
- 996 079 01

MAINTENANCE

Specific tool:
- Front bearing: M40120
- Rear bearing: M40120 and 351 266 01
- Spoke wrench: 996 079 01

Refer to the website for quick and convenient access to maintenance information (replacement of an axle, bearings, free wheel, spokes, and rims)

www.tech-mavic.com

Never turn a Tracomp spoke nipple without having first removed the Tracomp rings from the hub, otherwise the spoke may be irreversibly damaged.

Never fit a computer magnet other than the one supplied with the wheel.

Only transport the wheels in the wheel bags supplied. Avoid side shocks to the Tracomp spokes.
**KSYRIUM SLS (clincher version)**

**Use:** for road bike or cyclo-cross bike use only. Any other use (such as on a tandem or off-road bike...) is highly inadvisable, is the sole responsibility of the user and voids the Mavic warranty.

Recommended maximum weight of the cyclist and equipment: 100 kg.

**WHEEL WEIGHT WITHOUT QUICK-RELEASE SKEWER AND WITHOUT CLINCHER**

<table>
<thead>
<tr>
<th></th>
<th>Front</th>
<th>605 g</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Rear M10</td>
<td>805 g</td>
</tr>
<tr>
<td></td>
<td>Rear ED11</td>
<td>790 g</td>
</tr>
</tbody>
</table>

**WHEEL REFERENCES**

<table>
<thead>
<tr>
<th></th>
<th>Front</th>
<th>325 691 10</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Rear M10</td>
<td>325 682 11</td>
</tr>
<tr>
<td></td>
<td>Rear ED11</td>
<td>325 693 12</td>
</tr>
<tr>
<td></td>
<td>Pair M10</td>
<td>325 694 14</td>
</tr>
<tr>
<td></td>
<td>Pair ED11</td>
<td>325 695 14</td>
</tr>
</tbody>
</table>

**RIMS**

**SALES REFERENCES**

Front: 330 001 10
Rear: 330 001 13

**Ø VALVE HOLE**

Ø: 6.5 mm

**RECOMMENDED TYRE WIDTH**

Dimensions: 622x15C
Recommended clincher width: 23 to 32 mm

When replacing the rear rim:
1. With the valve hole rear you, the two raised indicator bumps must be to the right of the valve hole.
2. The spoke in the first hole to the right of the valve hole should be inserted in the drive side.

**HUBS**

**MAINTENANCE:** Clean with a dry cloth or soapy water if necessary.
Do not use a high-pressure washer.

**WHEEL BUILDING**

**REFERENCES AND LENGTHS:**

<table>
<thead>
<tr>
<th></th>
<th>Front: 330 003 01, length 283.5 mm (per 10, integrated nipples)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Drive side: 120 303 01, length 275 mm (per 10 decorated, integrated nipples)</td>
</tr>
<tr>
<td></td>
<td>Non-drive side: 120 304 01, length 298.5 mm (per 10, integrated nipples)</td>
</tr>
</tbody>
</table>

**LACING PATTERN:**

Front: radial
Rear: Isopulse

**TENSION:**

Front: 85 to 95 kg
Rear drive side: 115 to 135 kg

**ACCESSORIES**

- BR 601 front quick-release skewer M40149
- BR 601 rear quick-release skewer M40150
- Removable computer magnet M40540 (with front wheel)
- 2 multifunction adjustment wrenches 325 423 01
- ED11 12D locking ring (with rear wheel ED11) 108 317 01
- Yksion Pro White GripLink 23 mm front clincher (328 351 23)
- Yksion Pro White PowerLink 23 mm rear clincher (328 352 23)
- Mavic butyl inner tubes (127 385 01)
- Wheel and clincher user guide

**MAINTENANCE**

Specific tool:
- Front bearing: M40120
- Rear bearing: M40120 and 351 266 01
- Spoke wrench: 996 079 01

Refer to the website for quick and convenient access to maintenance information (replacement of an axle, bearings, free wheel, spokes, and rims)
www.tech-mavic.com
**KSYRIUM SLS** (tubular version)

**Use:** for road bike or cyclo-cross bike use only. Any other use (such as on a tandem or off-road bike...) is highly inadvisable, is the sole responsibility of the user and voids the Mavic warranty. Recommended maximum weight of the cyclist and equipment: 100 kg.

**Wheel weights without quick-release skewer and without tubular**

<table>
<thead>
<tr>
<th></th>
<th>Front</th>
<th>Rear M10</th>
<th>Rear ED11</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weight</td>
<td>600 g</td>
<td>790 g</td>
<td>775 g</td>
</tr>
</tbody>
</table>

**Wheel references**

- Front: 325 674 10
- Rear M10: 325 675 11
- Rear ED11: 325 676 12
- Pair M10: 325 677 14
- Pair ED11: 325 678 14

**Rims**

**Sales references**

- Front: 330 021 10
- Rear: 330 021 13

**Recommended tyre width**

- Dimensions: ETRTO 633 tubular
- Recommended tubular width: 19 to 28 mm

**When replacing the rear rim:***
1. With the valve hole rear you, the two raised indicator bumps must be to the right of the valve hole.
2. The spoke in the first hole to the right of the valve hole should be inserted in the drive side.

**Hubs**

**Maintenance:** Clean with a dry cloth or soapy water if necessary. Do not use a high-pressure washer.

**Wheels building**

**References and lengths:**

- Front: 330 003 01, length 283.5 mm (per 10, integrated nipples)
- Drive side: 353 599 01, length 277 mm (per 10 decorated, integrated nipples)
- Non-drive side: 353 600 01, length 301 mm (per 10, integrated nipples)

**Lacing pattern:**

- Front: radial
- Rear: Isopulse

**Tension:**

- Front: 85 to 95 kg
- Rear drive side: 115 to 135 kg

**Accessories and wheels supplied with:**

- BR 601 front quick-release skewer M40149
- BR 601 rear quick-release skewer M40150
- Removable computer magnet M40540 (with front wheel)
- 2 multifunction adjustment wrenches 325 423 01
- ED11 12D locking ring (with rear wheel ED11) 108 317 01
- Yksion Pro White GripLink 23 mm front tubular (328 349 23)
- Yksion Pro White PowerLink 23 mm rear tubular (329 350 23)
- Wheel and tubular user guide

**Maintenance:**

- Specific tool:
  - Front bearing: M40120
  - Rear bearing: M40120 and 351 266 01
  - Spoke wrench: 996 079 01

Refer to the website for quick and convenient access to maintenance information (replacement of an axle, bearings, free wheel, spokes, and rims)

[www.tech-mavic.com](http://www.tech-mavic.com)
**KSYRIUM ELITE S**

**Use:** for road bike or cyclo-cross bike use only. Any other use (such as on a tandem or off-road bike...) is highly inadvisable, is the sole responsibility of the user and voids the Mavic warranty.

Recommended maximum weight of the cyclist and equipment: 100 kg.

**WHEEL WEIGHT WITHOUT QUICK-RELEASE SKEWER AND WITHOUT CLINCHER**

<table>
<thead>
<tr>
<th></th>
<th>Front</th>
<th>Rear M10</th>
<th>Rear ED11</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weight</td>
<td>680 g</td>
<td>855 g</td>
<td>840 g</td>
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</tbody>
</table>

**WHEEL REFERENCES**

<table>
<thead>
<tr>
<th></th>
<th>Front</th>
<th>Rear M10</th>
<th>Rear ED11</th>
<th>Pair M10</th>
<th>Pair ED11</th>
</tr>
</thead>
<tbody>
<tr>
<td>Part</td>
<td>325 732 10</td>
<td>325 733 11</td>
<td>325 734 12</td>
<td>325 735 14</td>
<td>325 736 14</td>
</tr>
</tbody>
</table>

**RIMS**

**Sales References**

Front: 330 023 10

Rear: 330 023 13

**Ø Valve Hole**

- Ø: 6.5 mm

**Recommended Tyre Width**

- Dimensions: 622x15C
- Recommended clincher width: 23 to 32 mm

**When replacing the rear rim:**

1. With the valve hole rear you, the two raised indicator bumps must be to the right of the valve hole.
2. The spoke in the first hole to the right of the valve hole should be inserted in the drive side.

**HUBS**

**Maintenance:**

- Clean with a dry cloth or soapy water if necessary.
- Do not use a high-pressure washer.

**REFERENCES AND LENGTHS:**

- Front: 330 027 01, length 285.5 mm (per 10, integrated nipples)
- Drive side: 120 306 01, length 275 mm (per 9 + 1 decorated, integrated nipples)
- Non-drive side: 120 307 01, length 301 mm (per 11, integrated nipples)

**WHEEL BUILDING**

**References and Lengths:**

- Front: 330 023 01, length 285.5 mm (per 10, integrated nipples)
- Drive side: 120 306 01, length 275 mm (per 9 + 1 decorated, integrated nipples)
- Non-drive side: 120 307 01, length 301 mm (per 11, integrated nipples)

**Features:**

- Front: black, swaged, bladed, straight pull steel spokes with integrated and self-locking M7 nipples
- Rear: black, swaged, bladed, straight pull steel spokes with integrated and self-locking M7 nipples

**Lacing Pattern:**

- Front: radial
- Rear: Isopulse

**Tension:**

- Front: 75 to 85 kg.
- Rear drive side: 140 to 160 kg

**ACCESSORIES**

- BR 301 front quick-release 996 039 01
- BR 301 rear quick-release 996 040 01
- 2 multifunction adjustment wrenches 325 423 01
- Yksion Pro White GripLink 23 mm front clincher (328 351 23)
- Yksion Pro White PowerLink 23 mm rear clincher (328 352 23)
- Mavic butyl inner tubes (127 385 01)
- ED11 120 locking ring (with rear wheel ED11) 108 317 01
- Wheel and clincher user guide

**WHEELS SUPPLIED WITH:**

- BR 301 front quick-release 996 039 01
- BR 301 rear quick-release 996 040 01
- 2 multifunction adjustment wrenches 325 423 01
- Yksion Pro White GripLink 23 mm front clincher (328 351 23)
- Yksion Pro White PowerLink 23 mm rear clincher (328 352 23)
- Mavic butyl inner tubes (127 385 01)
- ED11 120 locking ring (with rear wheel ED11) 108 317 01
- Wheel and clincher user guide

**MAINTENANCE**

- Front bearing: M40120
- Rear bearing: M40120 and 351 266 01
- Spoke wrench: 996 079 01

Refer to the website for quick and convenient access to maintenance information (replacement of an axle, bearings, free wheel, spokes, and rims)

www.tech-mavic.com
Use: for road bike or cyclo-cross bike use only. Any other use (such as on a tandem or off-road bike...) is highly inadvisable, is the sole responsibility of the user and voids the Mavic warranty.

Recommended maximum weight of the cyclist and equipment: 100 kg.

<table>
<thead>
<tr>
<th>WHEEL WEIGHT WITHOUT QUICK-RELEASE SKEWER AND WITHOUT CLINCHER</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
</tr>
<tr>
<td>Front</td>
</tr>
<tr>
<td>Rear M10</td>
</tr>
<tr>
<td>Rear ED11</td>
</tr>
<tr>
<td>Pair M10</td>
</tr>
<tr>
<td>Pair ED11</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>WHEEL REFERENCES</th>
</tr>
</thead>
<tbody>
<tr>
<td>BLACK</td>
</tr>
<tr>
<td>Front</td>
</tr>
<tr>
<td>White</td>
</tr>
<tr>
<td>M10</td>
</tr>
<tr>
<td>ED11</td>
</tr>
<tr>
<td>Pair M10</td>
</tr>
<tr>
<td>Pair ED11</td>
</tr>
</tbody>
</table>

**RIMS**

<table>
<thead>
<tr>
<th>Ø VALVE HOLE</th>
<th>6.5 mm</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>RECOMMENDED TYRE WIDTH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dimensions: 622x15C</td>
</tr>
<tr>
<td>Recommended clincher width: 23 to 32 mm</td>
</tr>
</tbody>
</table>

**HUBS**

MAINTENANCE: Clean with a dry cloth or soapy water if necessary.

Do not use a high-pressure washer.

**WHEEL BUILDING**

<table>
<thead>
<tr>
<th>REFERENCES AND LENGTHS:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Front: 120 312 01, length 282 mm (per 10, integrated nipples)</td>
</tr>
<tr>
<td>Drive side: 120 313 01, length 278 mm (per 10, integrated nipples)</td>
</tr>
<tr>
<td>Non-drive side: 120 314 01, length 351 mm (per 10, integrated nipples)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>FEATURES:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Black, bladed steel spokes and front Self-Lock nipples and rear ABS nipples</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>LACING PATTERN:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Front: radial</td>
</tr>
<tr>
<td>Rear: Isopulse</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>TENSION:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Front: 80 to 90 kg</td>
</tr>
<tr>
<td>Rear drive side: 130 to 150 kg</td>
</tr>
</tbody>
</table>

**ACCESSORIES**

- Conventional aluminum quick-release skewer on front M40350
- Conventional aluminum quick-release skewer on rear M40351
- Yksion Comp 23 mm front and rear clincher (325 934 23)
- Mavic butyl inner tubes (127 385 01)
- ED11 12D locking ring (with rear wheel ED11) 108 317 01
- Wheel user guide

**WHEELS SUPPLIED WITH:**

- Conventional aluminum quick-release skewer on front M40350
- Conventional aluminum quick-release skewer on rear M40351
- Yksion Comp 23 mm front and rear clincher (325 934 23)
- Mavic butyl inner tubes (127 385 01)
- ED11 12D locking ring (with rear wheel ED11) 108 317 01
- Wheel user guide

**MAINTENANCE**

Specific tool:
- Front bearing: M40373
- Rear bearing: M40373 and M40120

Refer to the website for quick and convenient access to maintenance information (replacement of an axle, bearings, free wheel, spokes, and rims)

www.tech-mavic.com
**CROSSMAX SLR 29**

**Use:** use only on a Cross-country or Cross-mountain MTB fitted with disc brakes. Any other use (such as on a tandem, road bike, cyclo-cross bike, free-ride or downhill bike…) is highly inadvisable, is the sole responsibility of the user and voids the Mavic warranty.

Recommended maximum weight of the cyclist and equipment: 85 kg.

### WHEEL WEIGHT WITHOUT QUICK-RELEASE SKEWER

<table>
<thead>
<tr>
<th></th>
<th>Front</th>
<th>Rear</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weight</td>
<td>755 g</td>
<td>865 g</td>
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</tbody>
</table>

### REFERENCES

<table>
<thead>
<tr>
<th></th>
<th>Front</th>
<th>Rear</th>
</tr>
</thead>
<tbody>
<tr>
<td>Code</td>
<td>326 598 10</td>
<td>326 599 13</td>
</tr>
<tr>
<td></td>
<td>326 600 14</td>
<td></td>
</tr>
</tbody>
</table>

### SALES REFERENCES

<table>
<thead>
<tr>
<th></th>
<th>Front: 351 135 10</th>
<th>Rear: 351 135 13</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ø Valve Hole</td>
<td>Ø 6.5 mm</td>
<td>Length: ≥ 32 mm</td>
</tr>
</tbody>
</table>

### RECOMMENDED TYRE WIDTH

Dimensions: Ø 29" ETRTO 622 x 19C and Tubeless UST compatible. Recommended clincher width: 1.5" to 2.3".

When replacing the front rim:
1. With the valve hole near you, the raised indicator bump must be to the right of the valve hole.
2. The spoke in the first hole to the right of the valve hole is a non-braking spoke and should be inserted in the disc side.

When replacing the rear rim:
1. With the valve hole near you, the two raised indicator bumps must be to the right of the valve hole.
2. The spoke in the first hole to the right of the valve hole should be introduced into the drive side in a hole marked on the hub.

### HUBS

**MAINTENANCE:** Clean with a dry cloth or soapy water if necessary. Do not use a high-pressure washer.

### WHEEL BUILDING

**REFERENCES AND LENGTHS**

<table>
<thead>
<tr>
<th>Front and rear non-drive side</th>
<th>Rear drive side</th>
</tr>
</thead>
<tbody>
<tr>
<td>351 137 01, length 299.5 mm (per 10 + 1 decorated, integrated nipples)</td>
<td>351 138 01, length 269.5 mm (per 10, integrated nipples)</td>
</tr>
</tbody>
</table>

**FEATURES:**
- Black flat, straight pull Zicral spokes (with one decorated per wheel, disc side) with integrated and self-locking M7 aluminum spoke nipples

**LACING PATTERN:**
- Front: 2-cross lacing on both sides
- Rear: Isopulse

**TENSION:**
- Front: 100 to 115 kg
- Rear drive side: 100 to 115 kg

### ACCESSORIES

**WHEELS SUPPLIED WITH:**
- BX 601 front quick-release skewer M40140
- BX 601 rear quick-release skewer M40141
- 2 Removable round UST valves 129 838 01
- 2 Mavic wheel bags 857 144 01
- Front Adapters 15>=9 mm 996 941 01
- Rear Adapters 12<=9.5 mm 308 731 01
- Rear Adapters 12x142 mm 308 593 01
- Computer magnet M40540 (with front wheel)
- 2 multifunction adjustment wrenches 325 423 01
- Chain disc 308 755 01 (mounted on rear wheel)
- 2 sets of specific disc screws (6 screws per set) 308 719 01
- User guides

**MAINTENANCE**

Specific tools:
- Front bearing: 996 887 01
- Rear bearing: M40119
- Spoke wrench: 996 079 01

Refer to the website for quick and convenient access to maintenance information (replacement of an axle, bearings, free wheel, spokes, and rims)

[www.tech-mavic.com](http://www.tech-mavic.com)
CROSSMAX SLR 29 Center-Lock

Use: use only on a Cross-country or Cross-mountain MTB fitted with disc brakes. Any other use (such as on a tandem, road bike, cyclo-cross bike, free-ride or downhill bike…) is highly inadvisable, is the sole responsibility of the user and voids the Mavic warranty.

Recommended maximum weight of the cyclist and equipment: 85 kg.

<table>
<thead>
<tr>
<th>WHEEL WEIGHT WITHOUT QUICK-RELEASE SKEEVER</th>
</tr>
</thead>
<tbody>
<tr>
<td>Front: 755 g</td>
</tr>
<tr>
<td>Rear: 865 g</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>REFERENCES</th>
</tr>
</thead>
<tbody>
<tr>
<td>Front: 326 604 10</td>
</tr>
<tr>
<td>Rear: 326 605 13</td>
</tr>
<tr>
<td>Pair: 326 606 14</td>
</tr>
</tbody>
</table>

**RIMS**

**SALES REFERENCES**

Front: 351 135 10
Rear: 351 135 13

Ø VALVE HOLE

- Ø: 6.5 mm
- Length: ≥ 32 mm

RECOMMENDED TYRE WIDTH

Dimensions: Ø 29"
ETRTO 622 x 19C and Tubeless UST compatible.
Recommended clincher width: 1.5” to 2.3”

When replacing the front rim:
1. With the valve hole rear you, the raised indicator bump must be to the right of the valve hole.
2. The spoke in the first hole to the right of the valve hole is a non-braking spoke and should be inserted in the disc side.

When replacing the rear rim:
1. With the valve hole rear you, the two raised indicator bumps must be to the right of the valve hole.
2. The spoke in the first hole to the right of the valve hole should be introduced into the drive side in a hole marked on the hub.

**HUBS**

**MAINTENANCE**: Clean with a dry cloth or soapy water if necessary.
Do not use a high-pressure washer.

**WHEEL BUILDING**

**REFERENCES AND LENGTHS**

Front and rear non-drive side:
- 351 137 01, length 299.5 mm (per 10 + 1 decorated, integrated nipples)
- 351 138 01, length 269.5 mm (per 10, integrated nipples)

Front drive side:
- Pair: 326 604 10
- Pair: 326 605 13
- Pair: 326 606 14

**FEATURES**:
Black flat, straight pull Zicral spokes (with one decorated per wheel) with integrated, self-locking M7 aluminum spoke nipples

**LACING PATTERN**:

- Front: 2-cross lacing on both sides
- Rear: Isopulse

**TENSION**:

- Front: 100 to 115 kg
- Rear drive side: 100 to 115 kg

**ACCESSORIES**

- BX 601 front quick-release skewer M40140
- BX 601 rear quick-release skewer M40141
- 2 Removable round UST valves 129 638 01
- 2 Mavic wheel bags 857 144 01
- Front Adapters 15=>9 mm 996 941 01
- Rear Adapters 12x142 mm 308 593 01
- Rear Adapters 12=>9.5 mm 308 731 01
- Computer magnet M40540 (with front wheel)
- 2 multifunction adjustment wrenches 325 423 01
- Chain disc 308 755 01 (mounted on rear wheel)
- User guides

**WHEELS SUPPLIED WITH**

**MAINTENANCE**

Specific tool:
- Front bearing: 996 887 01 & M40219
- Rear bearing: M40119
- Spoke wrench: 996 079 01

Refer to the website for quick and convenient access to maintenance information (replacement of an axle, bearings, free wheel, spokes, and rims)

www.tech-mavic.com
**Use:** use only on a Cross-country or Cross-mountain MTB fitted with disc brakes. Any other use (such as on a tandem, road bike, cyclo-cross bike, free-ride or downhill bike…) is highly inadvisable, is the sole responsibility of the user and voids the Mavic warranty.

Recommended maximum weight of the cyclist and equipment: 85 kg.

### WHEEL WEIGHT WITHOUT QUICK-RELEASE SKEWER

<table>
<thead>
<tr>
<th></th>
<th>Front: 745 g</th>
<th>Rear: 865 g</th>
</tr>
</thead>
</table>

### REFERENCES

|          | Front: 326 814 10 | Rear: 326 599 13 | Pair: 326 815 14 |

### FEATURES

- Lefty assembly accessories M40777
- BX 601 rear quick-release skewer M40141
- 2 Removable round UST valves 129 838 01
- 2 Mavic wheel bags 857 144 01
- Rear Adapters 12x142 mm 308 593 01
- Rear Adapters 12x=4.5 mm 308 731 01
- Computer magnet M40540 (with front wheel)
- 2 multifunction adjustment wrenches 325 423 01
- Chain disc 308 755 01 (mounted on rear wheel)
- 2 sets of specific disc screws (6 screws per set) 308 719 01
- User guides

### MAINTENANCE

- Specific tool:
  - Front bearing: M40218 & 323 945 01
  - Rear bearing: M40119
  - Spoke wrench: 996 079 01

Refer to the website for quick and convenient access to maintenance information (replacement of an axle, bearings, free wheel, spokes, and rims)

www.tech-mavic.com
**CROSSMAX ST 29**

**Use:** use only on a Cross-country or Cross-mountain MTB fitted with disc brakes. Any other use (such as on a tandem, road bike, cyclo-cross bike, free-ride or downhill bike…) is highly inadvisable, is the sole responsibility of the user and voids the Mavic warranty.

Recommended maximum weight of the cyclist and equipment: 100 kg.

**WHEEL WEIGHT WITHOUT QUICK-RELEASE SKEWER**

<table>
<thead>
<tr>
<th></th>
<th>Front:</th>
<th>Rear:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>825 g</td>
<td>885 g</td>
</tr>
</tbody>
</table>

**REFERENCES**

<table>
<thead>
<tr>
<th></th>
<th>Front:</th>
<th>Rear:</th>
<th>Pair:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>327 909 10</td>
<td>327 910 13</td>
<td>327 911 14</td>
</tr>
</tbody>
</table>

**RIMS**

<table>
<thead>
<tr>
<th>Ø VALVE HOLE</th>
<th>RECOMMENDED TYRE WIDTH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ø: 6.5 mm</td>
<td>Dimensions: Ø 29&quot;</td>
</tr>
<tr>
<td>Length: ≥ 32 mm</td>
<td>ETRTO 622 x 19C and Tubeless UST compatible.</td>
</tr>
</tbody>
</table>

Recommended clincher width: 1.5” to 2.3”.

When replacing the front rim:
1. With the valve hole rear you, the raised indicator bump must be to the right of the valve hole.
2. The spoke in the first hole to the right of the valve hole is a non-braking spoke and should be inserted in the disc side.

When replacing the rear rim:
1. With the valve hole near you, the two raised indicator bumps must be to the right of the valve hole.
2. The spoke in the first hole to the right of the valve hole should be introduced into the drive side in a hole marked on the hub.

**HUBS**

**MAINTENANCE:** Clean with a dry cloth or soapy water if necessary.

Do not use a high-pressure washer.

**WHEEL BUILDING**

**FEATURES:**
Black round, straight pull Zicral spokes (with one decorated per wheel) with integrated, self-locking M7 aluminum spoke nipples

**LACING PATTERN:**
Front: 2-cross lacing on both sides
Rear: Isopulse

**TENSION:**
Front: 100 to 120 kg
Rear drive side: 100 to 120 kg

**REFERENCES AND LENGTHS**

<table>
<thead>
<tr>
<th></th>
<th>Front:</th>
<th>Rear:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>351 174 10</td>
<td>351 174 13</td>
</tr>
<tr>
<td>Ø: 6.5 mm</td>
<td>351 175 01, length 292.5 mm (per 12 + 1 decorated, integrated nipples)</td>
<td>351 176 01, length 270.5 mm (per 10 + 1 decorated, integrated nipples)</td>
</tr>
<tr>
<td>Length: ≥ 32 mm</td>
<td>351 179 01, length 300.5 mm (per 10, integrated nipples)</td>
<td></td>
</tr>
</tbody>
</table>

**ACCESSORIES**

- BX 301 rear quick-release skewer M40141
- 2 Removable round UST valves 129 838 01
- Front Adapters 15 mm 129 829 01
- Rear Adapters 12x142 mm 308 593 01
- Rear Adapters 12x=>9.5 mm 308 731 01
- Chain disc 308 705 01 (mounted on rear wheel)
- Computer magnet M40540 (with front wheel)
- Multifunction adjustment wrench 325 423 01
- 2 sets of specific disc screws (6 screws per set) 308 719 01
- User guides

**OPTIONS**

- Front Adapters 9 mm + quick-release skewer: 129 827 01
- Front Adapters 20 mm: 129 829 01

**REFERENCES**

<table>
<thead>
<tr>
<th></th>
<th>Front:</th>
<th>Rear:</th>
<th>Pair:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>996 887 01</td>
<td>996 079 01</td>
<td></td>
</tr>
</tbody>
</table>

**WHEELS SUPPLIED WITH:**

**MAINTENANCE**

**Specific tool:**
- Front bearing: 996 887 01
- Rear bearing: M40119
- Spoke wrench: 996 079 01

Refer to the website for quick and convenient access to maintenance information (replacement of an axle, bearings, free wheel, spokes, and rims)

[www.tech-mavic.com](http://www.tech-mavic.com)
**CROSSMAX ST 29**

**Center-Lock**

**Use:** Use only on a Cross-country or Cross-mountain MTB fitted with disc brakes. Any other use (such as on a tandem, road bike, cyclo-cross bike, free-ride or downhill bike…) is highly inadvisable, is the sole responsibility of the user and voids the Mavic warranty.

Recommended maximum weight of the cyclist and equipment: 100 kg

**WHEEL WEIGHT WITHOUT QUICK-RELEASE SKEWER**

<table>
<thead>
<tr>
<th></th>
<th>Front</th>
<th>Rear</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weight</td>
<td>825 g</td>
<td>885 g</td>
</tr>
</tbody>
</table>

**REFERENCES**

<table>
<thead>
<tr>
<th></th>
<th>Front</th>
<th>Rear</th>
<th>Pair</th>
</tr>
</thead>
<tbody>
<tr>
<td>Code</td>
<td>327 915 10</td>
<td>327 916 13</td>
<td>327 917 14</td>
</tr>
</tbody>
</table>

**RIMS**

**SALES REFERENCES**

Front: 351 174 10, Rear: 351 174 13

**Ø VALVE HOLE**

- Ø: 6.5 mm
- Length: ≥ 32 mm

**RECOMMENDED TYRE WIDTH**

Dimensions: Ø 29"

ETRTO 622 x 19C and Tubeless UST compatible.

Recommended clincher width: 1.5” to 2.3”

**When replacing the front rim:**

1. With the valve hole rear you, the raised indicator bump must be to the right of the valve hole.
2. The spoke in the first hole to the right of the valve hole is a non-braking spoke and should be inserted in the disc side.

**When replacing the rear rim:**

1. With the valve hole rear you, the two raised indicator bumps must be to the right of the valve hole.
2. The spoke in the first hole to the right of the valve hole should be introduced into the drive side in a hole marked on the hub.

**HUBS**

**MAINTENANCE:**

Clean with a dry cloth or soapy water if necessary.

Do not use a high-pressure washer.

**WHEEL BUILDING**

**REFERENCES AND LENGTHS**

<table>
<thead>
<tr>
<th></th>
<th>Front: 351 175 01, length 292.5 mm (per 12 + 1 decorated, integrated nipples)</th>
<th>Rear: 351 176 01, length 270.5 mm (per 10 + 1 decorated, integrated nipples)</th>
<th>Rear non-drive side: 351 179 01, length 300.5 mm (per 10, integrated nipples)</th>
</tr>
</thead>
</table>

**FEATURES:**

Black round, straight pull Zicral spokes (with one decorated per wheel) with integrated, self-locking M7 aluminum spoke nipples

**LACING PATTERN:**

Front: 2-cross lacing on both sides
Rear: Isopulse

**TENSION:**

Front: 100 to 120 kg
Rear drive side: 100 to 120 kg

**ACCESSORIES**

- BX 301 rear quick-release skewer M40141
- 2 Removable round UST valves 129 838 01
- Front Adapters 15 mm 129 828 01
- Rear Adapters 12x142 mm 308 593 01
- Rear Adapters 12x≥9.5 mm 308 731 01
- Chain disc 308 755 01 (mounted on rear wheel)
- Computer magnet M40540 (with front wheel)
- Multifunction adjustment wrench 325 423 01
- User guides

**WHEELS SUPPLIED WITH:**

- Front Adapters 9 mm + quick-release skewer: 129 827 01
- Front Adapters 20 mm: 129 829 01

**MAINTENANCE**

**Specific tool:**

- Front bearing: 308 732 01
- Rear bearing: M40119
- Spoke wrench: 996 079 01

Refer to the website for quick and convenient access to maintenance information (replacement of an axle, bearings, free wheel, spokes, and rims)

[www.tech-mavic.com](http://www.tech-mavic.com)
**Use:** use only on a Cross-country or Cross-mountain MTB fitted with disc brakes. Any other use (such as on a tandem, road bike, cyclo-cross bike, free-ride or downhill bike...) is highly inadvisable, is the sole responsibility of the user and voids the Mavic warranty. Recommended maximum weight of the cyclist and equipment: 100 kg.

<table>
<thead>
<tr>
<th>WHEEL WEIGHT WITHOUT QUICK-RELEASE SKEWER</th>
<th>REFERENCES</th>
</tr>
</thead>
<tbody>
<tr>
<td>Front: 760 g</td>
<td>Front: 325 516 10</td>
</tr>
<tr>
<td>Rear: 890 g</td>
<td>Rear: 325 517 13</td>
</tr>
<tr>
<td>Pair:</td>
<td>Pair: 325 570 14</td>
</tr>
</tbody>
</table>

### RIMS

**SALES REFERENCES**
Front and Rear: 351 180 15
Same as ST 12

**Ø VALVE HOLE**
- Ø: 6.5 mm
- Length: ≥ 32 mm

**RECOMMENDED TYRE WIDTH**
Dimensions: Ø 26"
ETRTO 559 x 19C and Tubeless UST compatible.
Recommended clincher width: 1.5” to 2.3”

**When replacing the front rim:**
1. With the valve hole near you, the raised indicator bump must be to the right of the valve hole.
2. The spoke in the first hole to the right of the valve hole is a non-braking spoke and should be inserted in the disc side.

**When replacing the rear rim:**
1. With the valve hole near you, the two raised indicator bumps must be to the right of the valve hole.
2. The spoke in the first hole to the right of the valve hole is a non-traction spoke and should be inserted in the drive side.

### HUBS

**MAINTENANCE:** Clean with a dry cloth or soapy water if necessary.
Do not use a high-pressure washer.

### WHEEL BUILDING

**REFERENCES AND LENGTHS**
- Front and rear non-drive side: 120 341 01, length 267.5 mm (per 12, integrated nipples)
- Rear drive side: 120 342 01, length 265 mm (per 12, integrated nipples)

**FEATURES:**
Black, flat, straight pull steel spokes with integrated and self-locking M7 aluminum spoke nipples

**LACING PATTERN:**
- Front and rear: 2-cross lacing on both sides

**TENSION:**
- Front: 100 to 120 kg
- Rear drive side: 115 to 135 kg

### ACCESSORIES

**WHEELS SUPPLIED WITH:**
- BX 301 rear quick-release skewer M40352
- 2 Removable round UST valves 129 638 01
- Rear Adapters 12x142 mm 329 650 01
- Rear Adapters 12x=0.5 mm 308 731 01
- Multifunction adjustment wrench 325 423 01
- User guides

### MAINTENANCE

**Specific tool:**
- Front bearing: 108 650 01 & 996 887 01
- Rear bearing: M40119
- Spoke wrench: 996 079 01

Refer to the website for quick and convenient access to maintenance information (replacement of an axle, bearings, free wheel, spokes, and rims) www.tech-mavic.com

**OPTIONS**
- Front Adapters 9 mm + quick-release skewer: 996 941 01

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**REFERENCES**

<p>| | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Front</td>
<td>325 516 10</td>
<td></td>
</tr>
<tr>
<td>Rear</td>
<td>325 517 13</td>
<td></td>
</tr>
<tr>
<td>Pair</td>
<td>325 570 14</td>
<td></td>
</tr>
</tbody>
</table>

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*ECNANETNIAMSEIROSSECCA WHEELS SUPPLIED WITH:
- BX 301 rear quick-release skewer M40352
- 2 Removable round UST valves 129 638 01
- Rear Adapters 12x142 mm 329 650 01
- Rear Adapters 12x=0.5 mm 308 731 01
- Multifunction adjustment wrench 325 423 01
- User guides

Refer to the website for quick and convenient access to maintenance information (replacement of an axle, bearings, free wheel, spokes, and rims) www.tech-mavic.com*
**CROSSRIDE DISC 29**

Use: use only on a Cross-country or Cross-mountain MTB fitted with disc brakes. Any other use (such as on a tandem, road bike, cyclo-cross bike, free-ride or downhill bike...) is highly inadvisable, is the sole responsibility of the user and voids the Mavic warranty.

Recommended maximum weight of the cyclist and equipment: 100 kg.

### WHEEL WEIGHT WITHOUT QUICK-RELEASE SKEWER

<table>
<thead>
<tr>
<th></th>
<th>Front</th>
<th>Rear</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weight</td>
<td>945 g</td>
<td>1075 g</td>
</tr>
</tbody>
</table>

### REFERENCES

<table>
<thead>
<tr>
<th></th>
<th>Front</th>
<th>Rear</th>
<th>Pair</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hubs</td>
<td>326 479 10</td>
<td>326 480 13</td>
<td>326 481 14</td>
</tr>
</tbody>
</table>

### RIMS

**Ø VALVE HOLE**

- Ø: 8.5 mm
- Length: ≥ 32 mm

**RECOMMENDED TYRE WIDTH**

- Dimensions: Ø 29" ETRTO 622 x 19C compatible
- Recommended clincher width: 1.5" to 2.3"

### HUBS

**MAINTENANCE:** Clean with a dry cloth or soapy water if necessary. Do not use a high-pressure washer.

### WHEEL BUILDING

<table>
<thead>
<tr>
<th>FEATURES</th>
<th>LACING PATTERN</th>
<th>TENSION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Black, round, straight pull steel spokes with Self Lock system and conventional spoke nipples</td>
<td>Front and rear: 2-cross lacing on both sides</td>
<td>Front: 100 to 120 kg Rear drive side: 115 to 125 kg</td>
</tr>
</tbody>
</table>

### ACCESSORIES

- Conventional aluminum quick-release skewer on rear M40352
- Rear Adapters 12x9.5 mm 308 731 01
- Rim tape 18x622 (1 per wheel)
- User guide

### OPTIONS

- Front Adapters 9 mm + quick-release skewer: 996 641 01
- Rear Adapters 12x142 mm: 329 650 01

### MAINTENANCE

**Specific tool:**

- Front bearing: 108 850 01 & 996 887 01
- Rear bearing: M40119

Refer to the website for quick and convenient access to maintenance information (replacement of an axle, bearings, free wheel, spokes, and rims): [www.tech-mavic.com](http://www.tech-mavic.com)
**CROSSRIDE DISC 15/12 mm**

**Use:** use only on a Cross-country or Cross-mountain MTB fitted with disc brakes. Any other use (such as on a tandem, road bike, cyclo-cross bike, free-ride or downhill bike…) is highly inadvisable, is the sole responsibility of the user and voids the Mavic warranty.

Recommended maximum weight of the cyclist and equipment: 100 kg.

**WHEEL WEIGHT WITHOUT QUICK-RELEASE SKEWER**

<table>
<thead>
<tr>
<th></th>
<th>Front</th>
<th>Rear</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>850 g</td>
<td>965 g</td>
</tr>
</tbody>
</table>

**REFERENCES**

<table>
<thead>
<tr>
<th></th>
<th>Front</th>
<th>Rear</th>
<th>Pair</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>325 520 10</td>
<td>325 521 13</td>
<td>325 586 14</td>
</tr>
</tbody>
</table>

---

**RIMS**

**SALES REFERENCES**

Front and rear: 351 240 15

**Ø VALVE HOLE**

- Ø: 8.5 mm
- Length: ≥ 32 mm

**RECOMMENDED TYRE WIDTH**

- Dimensions: Ø 26"
- ETRTO 559 x 19C compatible
- Recommended clincher width: 1.5” to 2.3”

**HUBS**

**MAINTENANCE:** Clean with a dry cloth or soapy water if necessary. Do not use a high-pressure washer.

**WHEEL BUILDING**

**REFERENCES AND LENGTHS**

<table>
<thead>
<tr>
<th></th>
<th>Front and rear non-drive side: 351 264 01, length 263 mm (per 14, integrated nipples)</th>
<th>Rear drive side: 351 265 01, length 261 mm (per 14, integrated nipples)</th>
</tr>
</thead>
</table>

**FEATURES:**
Black, round, straight pull steel spokes with Self Lock system and conventional spoke nipples

**LACING PATTERN:**
Front and rear: 2-cross lacing on both sides

**TENSION:**
Front: 100 to 120 kg
Rear drive side: 115 to 125 kg

---

**ACCESSORIES**

- Rear Adapters 12=>142 mm: 329 650 01
- Rim tape 20x559 (1 per wheel)
- User guide

**WHEELS SUPPLIED WITH:**

- Specific tool:
  - Front bearing: 108 850 01 & 996 887 01
  - Rear bearing: M40119

**MAINTENANCE**

Refer to the website for quick and convenient access to maintenance information (replacement of an axle, bearings, free wheel, spikes, and rims)

www.tech-mavic.com

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**OPTIONS**

- Front Adapters 9 mm + quick-release skewer: 996 941 01
- Rear Adapters 12=>9.5 mm + quick-release skewer: 308 731 01
**CROSSRIDE DISC 9 mm**

**Use:** use only on a Cross-country or Cross-mountain MTB fitted with disc brakes. Any other use (such as on a tandem, road bike, cyclo-cross bike, free-ride or downhill bike...) is highly inadvisable, it is the sole responsibility of the user and voids the Mavic warranty. Recommended maximum weight of the cyclist and equipment: 100 kg.

**WHEEL WEIGHT WITHOUT QUICK-RELEASE SKEWER**
- Front: 880 g
- Rear: 1020 g

**REFERENCES**
- Front: 326 554 10
- Rear: 326 555 13
- Pair: 326 556 14

**RIMS**
- Ø VALVE HOLE
  - Ø: 8.5 mm
  - Length: ≥ 32 mm

**RECOMMENDED TYRE WIDTH**
- Dimensions: Ø 26”
- ETRTO 559 x 19C compatible
- Recommended clincher width: 1.5” to 2.3”

**HUBS**
- MAINTENANCE: Clean with a dry cloth or soapy water if necessary. Do not use a high-pressure washer.

**WHEEL BUILDING**
- FEATURES:
  - Black, round, straight pull steel spokes with Self Lock system and conventional spoke nipples

- LACING PATTERN:
  - Front and rear: 2-cross lacing on both sides

- TENSION:
  - Front: 100 to 120 kg
  - Rear drive side: 115 to 125 kg

**ACCESSORIES MAINTENANCE**
- WHEELS SUPPLIED WITH:
  - Conventional aluminum quick-release skewer on front M40350
  - Conventional aluminum quick-release skewer on rear M40352
  - Rim tape 20x559 (1 per wheel)
  - User guide

- MAINTENANCE:
  - Specific tool:
    - Front bearing: M40119 & M40373
    - Rear bearing: M40119 & M40373

**REFERENCES AND LENGTHS**
- Front and rear: 996 875 01, length 261 mm (per 14, with nipples)

**WHEEL WEIGHT WITHOUT QUICK-RELEASE SKEWER**
- Front: 880 g
- Rear: 1020 g
- Pair: 326 556 14

**SALES REFERENCES**
- Front and rear: 351 240 15

**REFERENCES**
- Front: 326 554 10
- Rear: 326 555 13
- Pair: 326 556 14

**RECOMMENDED TYRE WIDTH**
- Dimensions: Ø 26”
- ETRTO 559 x 19C compatible
- Recommended clincher width: 1.5” to 2.3”

**HUBS**
- MAINTENANCE: Clean with a dry cloth or soapy water if necessary. Do not use a high-pressure washer.

**REFERENCES**
- Front: 326 554 10
- Rear: 326 555 13
- Pair: 326 556 14

**WHEEL WEIGHT WITHOUT QUICK-RELEASE SKEWER**
- Front: 880 g
- Rear: 1020 g
- Pair: 326 556 14

**SALES REFERENCES**
- Front and rear: 351 240 15

**REFERENCES AND LENGTHS**
- Front and rear: 996 875 01, length 261 mm (per 14, with nipples)

**WHEELS SUPPLIED WITH**
- Conventional aluminum quick-release skewer on front M40350
- Conventional aluminum quick-release skewer on rear M40352
- Rim tape 20x559 (1 per wheel)
- User guide

**MAINTENANCE**
- Specific tool:
  - Front bearing: M40119 & M40373
  - Rear bearing: M40119 & M40373

Refer to the website for quick and convenient access to maintenance information (replacement of an axle, bearings, free wheel, spokes, and rims) www.tech-mavic.com
Use: use only on a Cross-country or Cross-mountain MTB fitted with disc brakes. Any other use (such as on a tandem, road bike, cyclo-cross bike, free-ride or downhill bike...) is highly inadvisable, is the sole responsibility of the user and voids the Mavic warranty.
Recommended maximum weight of the cyclist and equipment: 100 kg.

WHEEL WEIGHT WITHOUT QUICK-RELEASE SKEWER
Front: 880 g
Rear: 1020 g

REFERENCES
Front: 326 563 10
Rear: 326 564 13
Pair: 326 565 14

RIMS

SALES REFERENCES
Front and rear: 351 246 15

Ø VALVE HOLE
Ø: 8.5 mm
Length: ≥ 32 mm

RECOMMENDED TYRE WIDTH
Dimensions: Ø 26"
ETRTO 559 x 19C compatible
Recommended clincher width: 1.5" to 2.3"

HUBS

MAINTENANCE: Clean with a dry cloth or soapy water if necessary.
Do not use a high-pressure washer.

WHEEL BUILDING

REFERENCES AND LENGTHS
Front and rear: 996 875 01, length 261 mm (per 14, with nipples)

FEATURES:
Black, round, straight pull steel spokes with Self Lock system and conventional spoke nipples

LACING PATTERN:
Front and rear: 2-cross lacing on both sides

TENSION:
Front: 100 to 120 kg
Rear drive side: 115 to 125 kg

ACCESSORIES

WHEELS SUPPLIED WITH:
• Conventional aluminum quick-release skewer on front M40350
• Conventional aluminum quick-release skewer on rear M40352
• Rim tape 20x559 (1 per wheel)
• User guide

MAINTENANCE

Specific tool:
• Front bearing: M40119 & M40373
• Rear bearing: M40119 & M40373

Refer to the website for quick and convenient access to maintenance information (replacement of an axle, bearings, free wheel, spokes, and rims)
www.tech-mavic.com
WARRANTY REMINDER

Before any repair of a Mavic wheel (or any other Mavic product), please note that it is guaranteed against manufacturing or material defects for a period of two years from the date of purchase by the original user.

This means that:

• During the warranty period and when it is clearly covered by the warranty (first contact your MSC), you must return the Mavic wheel (or any other Mavic product) directly to your MSC to benefit in full from the Mavic warranty.

However, if you decide to repair the wheel (or any other Mavic product) yourself, your customer will no longer benefit from the Mavic warranty.

• For repairs after the warranty period has expired, we advise you to refer to the following pages before carrying out work on the Mavic wheel. When replacing the rim, please note the new serial number of the rim on the original warranty card and the date of replacement.

Your customer’s new rim will only be covered by the Mavic warranty if this procedure is followed.

In the event the wheels delivered with a Mavic tyre are defective, please send the wheel and its tyre (tubular, inner tube) non-disassembled to your MSC.

In the event the wheels delivered with a Mavic tyre (tubular, inner tube) are defective, please indicate the serial number of the Mavic wheel on which it was mounted.

REPAIRS

The following pages will help you maintain the wheels of the 2013 range and are laid out as follows:

Removing the axle and replacing the free wheel on road wheels starting with the 2013 range ................................................................. Page 28
Replacing the free wheel on wheels prior to the 2013 range ........................................................................................................................................ Page 29
Replacing the free wheel on QRM+ road wheels starting with the 2013 range .................................................................................................. Page 30
Replacing CX01 blades on Cosmic CXR wheels ................................................................................................................................. Page 31
Replacing the rear rim on Cosmic CXR, Cosmic Carbone 80 13 and Cosmic Carbone SLE 13 wheels ................................................................. Page 32
Removing the axle and replacing the free wheel on Crossride TS-2 and Crosstrail ITS-4 2013 wheels ............................................................... Page 33
Compatibility and MTB adapters .................................................................................................................................................. Page 34

Any maintenance operation not detailed in the following pages can be found in the technical manuals from previous years.

All these procedures can be consulted on www.tech-mavic.com

Before any operation, we recommend removing:

• the wheel from the bike by releasing the quick-release skewer
• the skewer, the tyre
• the cassette and chain disc (if necessary) for the rear wheel
• the brake disc (if necessary)
REMOVING THE AXLE AND REPLACING THE FREE WHEEL ON ROAD WHEELS STARTING WITH THE 2013 RANGE

Tools needed:
• 1 multifunction wrench 325 423 01
• 5 mm Allen wrench
• 17 mm open-end wrench

The new wheels in the 2013 range feature a new axle system and a different free wheel bearing dimension. On these wheels, free wheel bearing has an inside diameter of 9 mm (instead of 8 mm on earlier models) and the free wheel bearing protection cap is silver (instead of black on earlier models).

The old free wheels M10 M40592 and ED11 M40591, with bearing diameter less than 8 mm and a black bearing protection cap, are not compatible with the new wheels of the 2013 range.
The free wheels M10 M40592 and ED11 M40591 are now replaced by the new free wheels HG11 308 711 01 and ED11 308 713 01. These new free wheels feature a bearing having an internal diameter of 9 mm, as opposed to 8 mm on previous models. They are identifiable by their silver-colored bearing protection bearing cap, which was previously black.

A shouldered washer is included in the free wheel kits to ensure the compatibility of these new free wheels with wheels marketed prior to 2013. It must be used instead of the flat spacer M40066 to install these new free wheels on the old wheels, whose axle (QRM hub) or axle end screw (QRM+ or QRMSL hubs) have a diameter of 8 mm.

The old free wheels M10 M40592 and ED11 M40591, with bearing diameter less than 8 mm and a black bearing protection cap, are not compatible with the new wheels of the 2013 range.
REPLACING BEARINGS ON QRM+ ROAD WHEELS STARTING WITH THE 2013 RANGE

Tools needed:
• 1 multifunction wrench 325 423 01
• 5 mm Allen wrench
• 17 mm open-end wrench
• Bearing press kits for installing and removing bearings 351 266 01 and M40120

The bearings are accessible after having first removed the free wheel according to the adapted procedure.

Remove the bearings
Fit the new CRL bearing with 351 266 01
Fit the new ORL bearing with M40120
REPLACING CX01 BLADES ON COSMIC CXR WHEELS

Tools needed:
• None

USAGE PRECAUTIONS
• Check the position of your brake pads before each ride. They must never come in contact with the blade:

• Ensure that there is enough clearance between the chain stays and seat stays to avoid all contact between the rim and the frame (very wide rim).
• CXR blades are exclusively compatible with Mavic CXR clinchers/tubulars. The use of any other clinchers/tubulars poses a danger to the rider.
• The CXR wheel/clincher/blade system is exclusively compatible with Mavic CXR brake pads. The use of all other brake pads poses a danger to the rider.
• When the wheel is mounted onto the bike, systematically check that the blade is always in contact around the entire perimeter of the tyre as it may have moved due to contact with the brake pads.
• Remove both blades before deflating and removing your clincher.
• Replace both blades in the event of a puncture, running on a flat or violent impact on the tyre.
• Do not expose your blades to extreme temperatures. Avoid extended exposure to sunlight. When not using your bike, protect your blades by storing them away inclement weather, light and humidity. Ensure that the tyre is always inflated (2 bar minimum), even when not in use. Do not stretch, cut or bend the blades.
• Do not use a high pressure sprayer as doing so may dislodge and damage the blade. Never wash blades (or clinchers) with solvents such as acetone, gasoline, thinner or bleach. When using soapy water, remove the blades, wait until the wheel is dry, then refit the blades.
• Keep out of reach of children.

Repeat the operation for the 2nd blade, then inflate to the desired pressure (6 to 11 bar).
Tools needed:
- 1 multifunction wrench 325 423 01
- 1 x 5mm Allen wrench
- 1 spoke wrench M40001
- 1 tensiometer + tension-reading conversion table adapted to the tensiometer used

To access the spoke heads, remove the fork support on the non-drive side (manual unclip it) and the adjustment nut (using the multifunction wrench and the 5 mm Allen wrench).

Prepare the spokes by screwing on the nipples until they lock.
For the Cosmic CXR and COSMIC CARBONE 80, don’t forget the abutment washer.

Turn the rim facing you so that the traceability label (barcode) is visible.

Retighten the hub adjustment nut to hold the spoke heads in place.

For the Cosmic CXR and COSMIC CARBONE 80, don’t forget the abutment washer.

Turn the wheel to fit the drive side spokes.
With the valve hole near you, insert a spoke in the first hole to the right of the valve hole.

This spoke is a non-traction spoke: insert its head into the hole of the corresponding hub.
Perform this same procedure for all the non-traction spokes, every 4th hole in the rim.

With the valve hole near you, insert a spoke in the third hole to the right of the valve hole.

This spoke is a traction spoke: insert its head into the hole of the corresponding hub while always remaining above the non-traction spokes.
Perform this same procedure for all the traction spokes, every 4th hole in the rim.

Tighten each of the spokes equally to tension the wheel.
Tension the wheel and center it definitively (refer to the product pages for the appropriate tension for each wheel).
REMOVING THE AXLE AND REPLACING THE FREE WHEEL ON CROSSRIDE TS-2 AND CROSSTRAIL ITS-4 2013 WHEELS

Tools needed:
- External circlip pliers
- Flat screwdriver (tip 0.4x2.5 mm)
- Mavic mineral oil 996 136 01

The new Crossride 15/12 mm, Crossride 29" and Crosstrail wheels of the 2013 range feature a new free wheel and axle system.
## COMPATIBILITIES AND MTB ADAPTERS

### 20x110 mm
- **2012 - 2013**: Crossmax ST 012 & 29", SX 012, Deemax Ultimate 012
- **2009-2012**: Crossline 012
- **2012 - 2013**: Crossmax ST 012 & 29", SX 012, Deemax Ultimate 012
- **2012 - 2013**: Crossmax SLR 012 & 29", SLR 09, Crossmax ST 10, Crosstrail 11, Crossride Disc 15 mm, Crossride 29"
- **2009 - 2011**: Crossline 09, Deetraks 09, Deemax 09

### 15x100 mm
- **2012 - 2013**: Crossmax ST 012 & 29", SX 012, Deemax Ultimate 012
- **2012 - 2013**: Crossmax SLR 012 & 29", SLR 09, Crossmax ST 10, Crosstrail 11, Crossride Disc 15 mm, Crossride 29"
- **2009 - 2011**: Crossmax SLR 012 & 29", SLR 09, Crossmax ST 012 / ST 012 / SX 012, Deemax Ultimate 10

### 9x100 mm
- **2012 - 2013**: Crossmax ST 012 & 29", SX 012, Deemax Ultimate 012
- **2009 - 2011**: Crossmax SLR 012 & 29", SLR 09, Crossmax ST 10, Crosstrail 11, Crossride Disc 15 mm, Crossride 29"
- **2012 - 2013**: Crossmax ST 012 & 29", SX 012, Deemax Ultimate 012

### 12x135 mm
- **2012 - 2013**: Crossmax SLR 012 / ST 012 / SX 012, Deemax Ultimate 12x135 mm 012
- **2012 - 2013**: Crossmax SLR 012 & 29", ST 012 & 29", SX 012, Deemax Ultimate 12x135 mm 012 / Crosstrail 013 / Crossride 29 013 / Crossride 15 / 12 mm 013
- **2012 - 2013**: Crossmax SLR 012 & 29", ST 012 & 29", SX 012, Deemax Ultimate 12x135 mm 012
- **2013**: Crosstrail 013 / Crossride 29 013 / Crossride 15/12 mm 013
- **2012 - 2013**: Deemax Ultimate 12x150 mm 012

### 12x150 mm
- **2009 - 2011**: Deetraks 12x150 mm 09, Deemax 12x150 mm 09, Deemax Ultimate 12x150 mm 10

### 12x135 mm -> 9.5x135 mm
- **2009 - 2011**: Crossmax SX 09, Crossline 09, Deetraks 09, Deemax 09, Deemax Ultimate 10
- **2009 - 2011**: Crossmax SX 09, Crossline 09, Deetraks 09, Deemax 09, Deemax Ultimate 10

### 12x135 mm -> 12x142 mm
- **2009 - 2011**: Crossmax SX 09, Crossline 09, Deetraks 09, Deemax 09, Deemax Ultimate 10
- **2009 - 2011**: Crossmax SX 09, Crossline 09, Deetraks 09, Deemax 09, Deemax Ultimate 10

Concerns the ITS-4 2009-2011 wheels mounted with the retro-fit kit 308 715 01 (12x135 mm) or 308 714 01 (12x50 mm)

### 12x135 mm -> 9.5x135 mm
- **2009 - 2011**: Crossmax SX 09, Crossline 09, Deetraks 09, Deemax 09, Deemax Ultimate 10
- **2009 - 2011**: Crossmax SX 09, Crossline 09, Deetraks 09, Deemax 09, Deemax Ultimate 10

### 12x135 mm -> 12x142 mm
- **2009 - 2011**: Crossmax SX 09, Crossline 09, Deetraks 09, Deemax 09, Deemax Ultimate 10
- **2009 - 2011**: Crossmax SX 09, Crossline 09, Deetraks 09, Deemax 09, Deemax Ultimate 10

### 12x150 mm
- **2009 - 2011**: Deetraks 12x150 mm 09, Deemax Ultimate 12x150 mm 09, Deemax Ultimate 12x150 mm 10
CONDITIONS OF USE FOR A RIM

CONDITIONS OF USE TO BE GIVEN TO YOUR CUSTOMERS

Mavic uses the most advanced technology in the design of its rims and wheels. However, a rim cannot last forever and wears down according to its use: type of riding, terrain, brake pad, spoke tension, tires, tyre pressure, weather conditions, etc.

Each rim has been designed for a specific use and discipline (Road, Cross-country, Freeride, Downhill, Touring...). Any other use of a rim for which it has not been designed is highly inadvisable, the sole responsibility of the user and voids the Mavic warranty.

Please advise your customers of the following points:

• Choose a suitable rim designed for the type of riding you wish to do: do not use a road rim on an MTB, do not use Cross-country rims to build wheels for a bike to be used for freeride, downhill...;

• You must follow the instructions in this technical manual for tyre pressure and sizes (see following charts);

• Respect the appropriate spoke tensions; Mavic recommends spoke tensions between 70 and 90 kg (for a front or rear wheel on the free wheel side with a crossed 3 pattern). Inappropriate spoke tension can generate too much stress and damage the rim;

• Clean the rims regularly using the Mavic soft stone (M40410);

• Remove stones and metal particles from the brake pads;

• Replace the brake pads when they are worn;

• Do not use a rim if the braking surfaces are worn, if eyelets are missing, or in any other case where safety might be compromised. The rim is a part that wears out as do brake pads, and must be replaced if it is worn (sidewall hollowed by wear, or cut out, cracked rim...);

• For rims fitted with a wear indicator (internal or external) do not continue to use the rim if the indicator appears (internal wear indicator) or disappears (external wear indicator) on at least one of the 2 braking surfaces;

• For rims not fitted with a wear indicator, use a depth gauge to check that the maximum wear on each side is not more than 0.4 mm;

• Check or have your rims checked regularly, at least at the start of each season and if possible after intensive use or if you have a doubt about spoke tension or the type of tyre used. When checking, look inside (especially under the rim tape) and outside the rim. Check for signs of fatigue or wear: damage to braking surfaces, appearance or disappearance of the wear indicator (only on rims fitted with a wear indicator), cracks in the sidewalls or around the eyelets...;

• The total weight of the rider and his/her equipment (not including the bike) must not exceed the following values:
  - Road rims: 100 kg;
  - All Road rims: 105 kg for A 119, A 319 and A 317 Disc rims, 125 kg for the A 719 rim;

Following these recommendations will guarantee longer product life for the rims, maximum performance and riding enjoyment.
# Features of the New 2013 Rims

## Cross-Mountain MTB

<table>
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<tr>
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<th>TN 119 DISC</th>
<th>TN 319 DISC</th>
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<tbody>
<tr>
<td><strong>Rim Cross Section</strong></td>
<td><img src="image" alt="Cross Mountain Rim" /></td>
<td><img src="image" alt="Cross Mountain Rim" /></td>
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<tr>
<td><strong>Material</strong></td>
<td>6106</td>
<td>6106</td>
</tr>
<tr>
<td><strong>Valve Hole Diameter (in mm)</strong></td>
<td>8.5 including valve adaptor</td>
<td>8.5 including valve adaptor</td>
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<tr>
<td><strong>ETRTO Compatibility</strong></td>
<td>622 x 19</td>
<td>622 x 19</td>
</tr>
<tr>
<td><strong>Recommended Clincher Width (in inches)</strong></td>
<td>1.5 to 2.3</td>
<td>1.5 to 2.3</td>
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<tr>
<td><strong>Eyelets</strong></td>
<td>-</td>
<td>Single</td>
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<tr>
<td><strong>Nominal Weight (in grams)</strong></td>
<td>550</td>
<td>560</td>
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<td><strong>Finish and Drilling</strong></td>
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<tr>
<td><strong>Black 32 Holes</strong></td>
<td>327 956 32</td>
<td>327 955 32</td>
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<tr>
<td><strong>Black 36 Holes</strong></td>
<td>327 956 36</td>
<td>327 955 36</td>
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<tr>
<td><strong>Recommended Spoke Nipple Length (in mm)</strong></td>
<td>12</td>
<td>12</td>
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<td><strong>Spoke Support Diameter (in mm)</strong></td>
<td>595</td>
<td>595</td>
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<tr>
<td><strong>Recommended Rim Tape (ETRTO x Width x Thickness)</strong></td>
<td>622 x 20 x 0.6</td>
<td>622 x 20 x 0.6</td>
</tr>
<tr>
<td>REFERENCE</td>
<td>DESCRIPTION</td>
<td>PRODUCT</td>
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<tr>
<td>323 477 01</td>
<td>Multifunction tool: Removing the UST Tubeless rim tape (A)</td>
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<td></td>
<td>Fitting the UST rim tape (C)</td>
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<td>Adjusting the front axles on the Cosmos, Ksyrium Equipe, Crossland, Crossmax Enduro Disc, Cosmic Elite 05 and Speedcity 05, Aksium, Crossride 06 wheels Crossride Disc, Crossrail, Crossrail Disc Aksium 08, Ksyrium Equipe 08, Crossride UB/Disc 08, Crossride UB (B), Aksium 10, Aksium MY12</td>
<td>A+B</td>
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<tr>
<td>M40119</td>
<td>Bearing press kits for bearings:</td>
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<tr>
<td></td>
<td>M40075</td>
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<td></td>
<td>M40076</td>
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<td>M40120</td>
<td>Bearing press kits for bearings:</td>
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<td>M40078</td>
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<td>323 909 01</td>
<td>Bearing press kit for R-Sys SL bearings</td>
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<td>M40373</td>
<td>Guide ring and bearing press kit for bearings:</td>
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<td>M40318</td>
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<td>M40218</td>
<td>Bearing press kit for bearings:</td>
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<td>M40179</td>
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<td>308 732 01</td>
<td>Bearing press kit for front bearings of Center-Lock 20 mm hubs</td>
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<td>323 945 01</td>
<td>Bearing press kit for Lefty bearings:</td>
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<td>M40771</td>
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<tr>
<td>996 887 01</td>
<td>Bearing press kit for hub bearings 9/15:</td>
<td>E</td>
</tr>
<tr>
<td></td>
<td>996 885 01 et 996 886 01</td>
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</tbody>
</table>

**A+B**: Press kit for the front wheel.

**A+C**: Press kit for the rear wheel.

**D**: Press kits for the front and rear wheels.

**E**: Press kits for the front and rear wheel bearings.

**F**: Guide ring for the 12 mm Allen wrench required to remove the free wheel from Crossroc UST, Crossroc UST Disc, Crossride, Crossride Céramic, Cosmos and Cosmic Elite wheels.
<table>
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<tr>
<th>REFERENCE</th>
<th>DESCRIPTION</th>
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<tr>
<td>324 300 01</td>
<td>Bearing press kit for Deemax 12 x 150 bearings</td>
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<td>996 901 01</td>
<td>Bearing press kit for bearings M40076 used in ITS-4 free wheel system hubs</td>
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<td>351 266 01</td>
<td>Bearing press kit for 330 000 01 bearings with an internal diameter of 9 mm</td>
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<td>996 080 01</td>
<td>Tracomp ring tool</td>
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<td>M40001</td>
<td>Spoke adjustment wrench for Cosmic Carbone, Cosmic Carbone SSC, Cosmic Carbone SL, Cosmic Carbone SLR and Cosmic Carbon SR wheels</td>
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<tr>
<td>101 295 01</td>
<td>R2R spoke head tool</td>
<td></td>
</tr>
<tr>
<td>323 908 01</td>
<td>Cosmic Carbone Pro spoke wrench + retaining wrench</td>
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<tr>
<td>996 079 01</td>
<td>Tracomp spoke wrench kit and new M7s (starting in 2011)</td>
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<tr>
<td>M40652</td>
<td>Zamak spoke tightening wrench kit for Fore M7 pierced wheels prior to 2011 (except R-Sys)</td>
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<tr>
<td>M40630</td>
<td>Screw-in eye tightening wrench kit for Fore M9 pierced wheels and rims</td>
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<tr>
<td>996 220 01</td>
<td>Cosmic Carbone Ultimate spoke wrench kit</td>
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<td>325 423 01</td>
<td>Multifunction adjustment wrench:</td>
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<td>- Adjustment of QRM+ bearings</td>
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<td></td>
<td>- Flat spoke retainer</td>
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<td></td>
<td>- Spoke wrench M7</td>
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<td></td>
<td>- Tyre lever</td>
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<tr>
<td>996 136 01</td>
<td>Mavic mineral oil for lubricating FTS, FTS-L, FTS-X and ITS-4 free wheel bodies. Content 60 ml. Use this oil only for lubricating FTS, FTS-L, FTS-X and ITS-4 free wheel bodies.</td>
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<tr>
<td>996 204 01</td>
<td>Mavic threadlocker.</td>
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</tr>
<tr>
<td>M40410</td>
<td>Mavic abrasive rubber rim stone for cleaning the braking surface of the rim, Ceramic or UB Control.</td>
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Indicated wheel weights +/- 5%, without rim tape, and without quick release skewer. Rim weight +/- 10%. Please read carefully the recommendations for rim use in this document.

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