

## INTRODUCTION

Welcome to the Beast family! Thank you for putting your trust in our components. You have chosen one of the sturdiest, lightest, best quality products there is. Genuine craftsmanship - developed, designed and manufactured in Germany.

Your safety is very important to us, so please read this manual carefully before you install your new Beast Components products or ride it for the first time. Third party users must also be informed about the following provisions. Therefore, please keep these instructions in a safe place for later usage.

These operating instructions are intended for the user of the rim and include information on the installation, handling, maintenance and care of the rim. Please follow all instructions.

Your Beast Components-Team

**Release your Beast and share experiences with our community!**  
**#beastcomponents #releaseyourbeast #beabeast**



### ATTENTION:

Incorrect handling, installation, maintenance or servicing can lead to accidents causing severe injuries or death!

## WARRANTY & SERVICE



### OUR PROMISE

We manufacture the highest quality products for your bike and also want to ensure the best possible service and support. Therefore we offer the original owner of Beast Components products a 5-year warranty and a lifetime crash replacement program for our entire product range.



### PRODUCT REGISTRATION

To get the manufacturer's warranty and to participate in the crash replacement program, you need to register your components. Send us an email with a copy of the invoice and the following information to [registrierung@beast-components.de](mailto:registrierung@beast-components.de):

Name, First Name  
Address  
Phone number



### 5 YEARS MANUFACTURER WARRANTY

We vouch for the quality of our products „Made in Germany“. This is why we warrant our carbon products to be free from defects in material or workmanship for five years from the original purchase date (product registration required).

Modified, misplaced, misused, improperly installed or obviously abused Beast Components products are not covered by this warranty.

Based on this warranty, the company Black East GmbH is not liable for compensation, especially not for indirect damage caused by accidents, collateral damage and consequential damage.



### LIFELONG CRASH REPLACEMENT

We offer the original owners of Beast Components products a lifetime crash replacement program that covers all damages (optical damages are excluded) outside of the warranty, whether self-inflicted or third-party caused (product registration required).

In this case we guarantee you a one-time discount of 50% on our recommended retail price if you decide to buy any new Beast Components product in the same product category.

Please note that VAT, packaging, shipping and installation costs and any import duties are not covered.

## INTENDED USE

The intended use of Beast Components products is divided into six categories, from riding on paved roads to downhill and freeride use. Details can be found in the enclosed classification or at [www.beast-components.de/service](http://www.beast-components.de/service). Beast Components products may only be used within or below the intended category. Otherwise the user takes full responsibility.

**CATEGORY 1 / ROAD:** RS25, RX25, RR40, RX40, RX60, RX80

**CATEGORY 2 / LIGHT GRAVEL:** GR40

**CATEGORY 3 / XC & HARD GRAVEL:** GR25, XC25, XS30, XC30

**CATEGORY 4 / TRAIL & ALL MOUNTAIN:** TR30

**CATEGORY 5 / ENDURO & HYBRID:** ED30, HY30, HY35

**CATEGORY 6 / DH:** DH30

### GENERAL INFORMATION

Our rims are approved for tubular as well as tubeless systems.

Beast Components rims are to be used exclusively with brake discs. When used with rim brakes, they will be seriously damaged, posing an enormous safety risk for the rider and third parties.

Modification of the rims is not permitted and will void your warranty.

### WEIGHT LIMIT

Except for the RS25 and the XS30, our rims are not subject to any weight limits. The system weight (bike, rider and equipment) of the RS25 and the XS30 should be a maximum of 115kg and must not be exceeded.

### APPEARANCE

Our components are 100% handmade. Thereby it can come to different appearances. It makes each component unique and has no influence on the safety. By direct incidence of light you get a great view of the individual fibers with partly shimmering shades.

### RIM BUILDING



#### ATTENTION:

Ignoring the following points may have consequences on the durability of the rims and will void your warranty claims.

The choice of components as well as the spoking pattern and the wheel construction itself influence the intended use of the entire wheel and can significantly restrict it. Beast Components therefore recommends to build up the wheels by an experienced specialist. This will ensure a long and problem-free service life.



### GENERAL INFORMATION

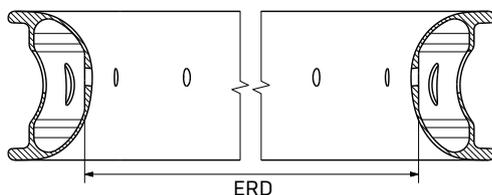
Before starting to build the wheels, you should be familiar with the user manuals of all other parts like hub etc. Please also make sure that the respective attachment parts are compatible with the rims.

Please use suitable professional tools for building up the wheel. Before you start installing the spokes, read the operating instructions for the hubs and all mounted parts and check to ensure that they are compatible with our rims.

For rims with 24 holes we recommend double crossing of the spokes on all sides and triple crossing for rims with 28 or 32 holes, due to the fact that the position and orientation of the milling holes have been specially optimized for this purpose.

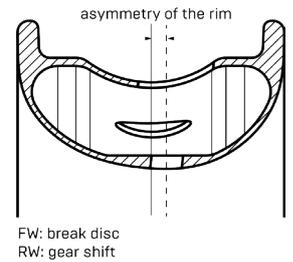
### EFFECTIVE RIM DIAMETER (ERD)

The ERD is the direct distance between the opposite nipple seats. The ERD tolerance is +1mm. Please refer to the table on the next page for the exact ERD details of the respective rim.



### ASYMMETRY OF THE RIMS

Attention: Please note the possible asymmetry of the rim depending on the rim model (see table on next page). The asymmetrical offset must point away from the brake disc on the front wheel and away from the gear shift on the rear wheel to compensate for the flange offset of the hubs.



### NIPPLE

Please refer to the table on the next page to determine whether you should use internal or external nipples when building up the rims. For optimal power transmission we recommend to use „Sapim Polyax Double Square 14G 16mm“ with Secure Lock as external nipples. The calculation of the spoke length depends on the used nipple type and hubs.

### WASHERS

When building up wheels with external nipples, it is essential to use washers called „MG Washer“ from Newmen, which are included in the delivery. These must be positioned between the nipple and the rim and have to fit correctly on the inner surface of the rim. It is recommended to apply grease between nipple and washer to prevent abrasion of nipple and washer.

### SPOKE TENSION

The following maximum spoke tensions should neither be exceeded nor undercut. Otherwise the spokes may break or the rim may be damaged.

	maximum allowable spoke tension of the higher tensioned wheel side [N]
XS30	900
all others	1200

### TOLERANCES

The following maximum tolerances should not be exceeded or undercut.

		lateral runout [mm]	radial runout [mm]	concentricity [mm]
ROAD	RS, RX, RR	± 0,2	± 0,2	± 0,2
GRAVEL	GR	± 0,25	± 0,2	± 0,2
MTB	XC, XS	± 0,25	± 0,2	± 0,2
	TR, ED, DH	± 0,3	± 0,2	± 0,3
	HY	± 0,4	± 0,2	± 0,3

		weight limit	asym. offset	ERD	Nipples	Washers
ROAD	RS25   700C   24 holes	115kg	-	587 mm	internal	-
	RX25   700C   24 holes	-	-	587 mm	internal	-
	RR40   700C   24 holes	-	-	557 mm	internal	-
	RX40   700C   24 holes	-	-	557 mm	internal	-
	RX60   700C   24 holes	-	-	517 mm	internal	-
	RX80   700C   24 holes	tba	tba	tba	tba	tba
GRAVEL	GR40   700C   24 or 28 holes	-	-	557 mm	internal	-
	GR25   650B   24 or 28 holes	-	2 mm	550 mm	internal	-
	GR25   700C   24 or 28 holes	-	2 mm	587 mm	internal	-
MTB	XC25   27,5"   28 or 32 holes	-	2 mm	550 mm	internal	-
	XC25   29"   28 or 32 holes	-	2 mm	587 mm	internal	-
	XS30   29"   28 or 32 holes	115kg	2 mm	596 mm	external	yes
	XC30   27,5"   28 or 32 holes	-	2 mm	550 mm	external	yes
	XC30   29"   28 or 32 holes	-	2 mm	587 mm	external	yes
	TR30   27,5"   28 or 32 holes	-	2 mm	550 mm	external	yes
	TR30   29"   28 or 32 holes	-	2 mm	587 mm	external	yes
	ED30   27,5"   28 or 32 holes	-	2 mm	551 mm	external	yes
	ED30   29"   28 or 32 holes	-	2 mm	587 mm	external	yes
	HY30   27,5"   28 or 32 holes	tba	tba	tba	tba	tba
	HY30   29"   28 or 32 holes	tba	tba	tba	tba	tba
	HY35   27,5"   28 or 32 holes	-	3 mm	550 mm	external	yes
	HY35   29"   28 or 32 holes	-	3 mm	588 mm	external	yes
	DH30   27,5"   28 or 32 holes	-	2 mm	552 mm	external	yes
DH30   29"   28 or 32 holes	-	2 mm	590 mm	external	yes	

## INSTALLATION



### GENERAL INFORMATION

Do not use metal tire levers. These can damage the surface of the rim, the tire or the tube.

**Attention:** The maximum tire pressure of the rim and the tire used must not be exceeded. Details can be found in the enclosed tire pressure information or at [www.beast-components.de/en/service](http://www.beast-components.de/en/service).

Only use valves with suitable diameter and sufficient length. The valve hole must not be adjusted.

### FITTING TIRES WITH A TUBE

Attach the rim tape. Assemble the inner tube and tire according to the manufacturer's specifications. We recommend using soapy water or installation fluid. Pump the tires up to their maximum approved pressure. The lower of the pressures specified for the rim or tire applies (Details can be found in the enclosed tire pressure information or at [www.beast-components.de/service](http://www.beast-components.de/service)). Check the tire seat. The tire has to contact the rim evenly around its entire circumference. Have the tire seat checked by a professional if in any doubt! If necessary, reduce the tire pressure to the desired operating pressure.

### FITTING THE TIRES WITHOUT A TUBE

Make sure that the tubeless tape and a tubeless valve are mounted. The Tubeless Tape and the valve must be used in the width and height suitable for the rim. Please refer to the tables on the right.

Put sealant fluid into the tires. Comply with the instructions of the sealant manufacturer. Assemble the wheels according to the manufacturer's specifications. We recommend using soapy water or installation fluid. Pump the tires up to their maximum approved pressure. The lower of the pressures specified for the rim or tire applies (Details can be found in the enclosed tire pressure information or at [www.beast-components.de/service](http://www.beast-components.de/service)). Check the tire seat. The tire must contact the rim evenly around its entire circumference. Have the tire seat checked by a professional if in any doubt! If necessary, reduce the tire pressure to the desired operating pressure.

	tubeless tape wide
RR40	22 mm
RS25, RX25, RX40, RX60, RX80	23 mm
GR40, GR25, XC25	27 mm
XS30, XC30, TR30, ED30, DH30,	32 mm
HY35	37 mm
	minimum valve length
RX80	91 mm
RX60	71 mm
RX40, RR40, GR40	51 mm
RX25, GR25, XC25, XC30, TR30, ED30, DH30, HY30, HY35	36 mm
XS30	31 mm

#### ASSEMBLING THE CASSETTE

Choose the cassette suitable for the freewheel XD, XDR, Shimano HG, Microspline or Campagnolo and assemble the cassette according to the manufacturer's instructions.

#### BRAKE DISC

Assemble the brake disc according to the manufacturer's instructions.

#### WHEEL

Ensure that the hub sits on the stop in the end of the dropout. Observe the instructions provided by the manufacturer of the quick-release clamp or the quick-release axle.

Check that the wheel is attached correctly before each ride.

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#### MAINTENANCE AND CARE

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Please always make sure that your Beast Components product is intact before each ride. Damage can cause the component to fail, resulting in serious injury or even death. Damaged components should never be ridden on and should be replaced immediately. If you are in doubt, contact us or an experienced specialist.

The following aspects should always be taken into account:

Task	Interval
Check Tubeless Tape for damages	every 6 months
Replace the Tubeless Tape	every 12 months
Check spoke tension, runout and wear of the wheel	every 10 operating hours
Check rim for damage	before and after each ride
Clean with soft cloth and a suitable cleaner	after each ride
Attention: Do not use high pressure cleaners or aggressive cleaning agents!	
Check that the wheels are secured correctly and check wheel pressure	before each ride



#### DISPOSAL AND ENVIRONMENTAL PROTECTION

The statutory regulations shall apply. Whenever possible, avoid creating waste. Waste, especially carbon, lubricants, cleaners and any other fluids have to be disposed in an environmentally compatible manner.

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#### CONTACT

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