

Technical details of the wheels

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 - Used standards
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 - Casts
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- Wheel options - markings
- Additional parts: flange reinforcements and valve guards
- Fixed and adjustable wheels
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- Loading capacity



Steel qualities used in wheels

Used steel qualities are EN10025 which fulfill the quality standards. The following characters are required:

- treatable

- **Welding**

- High resistance against shocks in good conditions also

- Used steels are manufactured in Scandinavia

Yield strength in rims 200N/mm² or 250N/mm² and in discs 250N/mm² or 355N/mm²



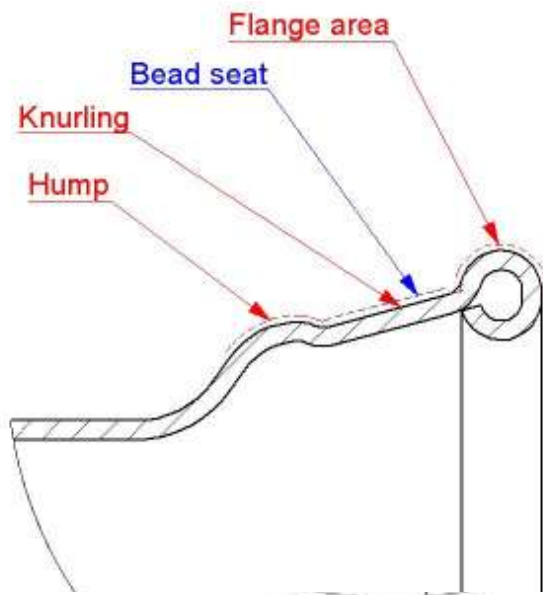
Used norms

RIMS:

- ETRTO (The European Tyre and Rim Technical Organisation),
- STRO (The Scandinavian Tire & Rim Organization)

ETRTO defines the rim profiles:

- main dimensions as nominal diameter and the width but also their manufacturing tolerances
- Forms of rim profiles and their dimensions
- markings of the profiles, for ex. DW18Lx38



| Knurling details (ETRTO) | | |
|--------------------------|-----------------------------|---------------------------------|
| Rim width | Rim diameter code below 24" | Rim diameter code 24" and above |
| Up to width code 13" | Optional | Optional |
| Width code 14" and above | Optional | Mandatory |

Hub fixing

According to the **ISO5711** standard.
 Today there are a lot of drillings which cannot be found in the standard.

Different options of the drillings and their identifications:

Attachment with centering on central bors.

There aren't chamferings only bare chamfers.

Hub hole dimensioned more exact and on hub holes a bigger clearance.

Attachment with stud-hole centering.

On bolt holes there are a spherical and conical chamfering. Bolt holes and the pitch circle diameter dimensioned more exact. On hub hole a bigger clearance.

