

Rims for agriculture, forestry and excavator tyres

All Trelleborg rims are produced with high quality, strong steel, specially designed for roll-forming. High strength steel is used in different grades, for the discs, depending on the size and service required for the complete wheel.

Rim

The rim is roll-formed in one piece and calibrated into the exact circumference and width. Trelleborg is able to roll-form rims for large diameters and wide widths in one piece. The rim thickness is between 4-8mm. All rims are rigorously controlled during the production process and all welding is 100% checked, to avoid air-leakage when using tube-less tyres.

Disc

Discs are cut out of steel in the right size and then pressed into the correct shape, specified by the drawings. The disc thickness can be between 9 and 18 millimeters, dependent on the required load and diameter. The hole-pattern is customer specific. All discs are fully welded into the rim at the correct offset for the specification.

Offset

Offset is the necessary distance between the centre of the rim and the contact surface on the wheel-axle. If the surface is on the machine side of the centre it is called a negative offset. If the surface is on the valve side of the centre it is a positive offset. Note that the offset controls the track gauge.

Reinforcements

Sometimes the expected service demands a stronger than standard-rim. Therefore Trelleborg offers 3 main versions of reinforcements, to make the rim stronger:

R1 -> round bar reinforcement

R2 -> box reinforcement. Unique to Trelleborg and strongest in the market

R3 -> flat bar reinforcement

Painting

Trelleborg Liepaja uses a fully automated powder painting facility which gives the products a perfect finish and allows the choice of individual colours for the market. Today Trelleborg offers more than 50 colours. All colours are water-based and have no content of hazardous ingredients. A Trelleborg rim is 100% recyclable.

