

# 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.

