



Wheel Sensor Clamp for Rail Contact Sk30K

The most reliable method for fastening a wheel sensor to the rail has proven to be the fastening by holes in the web of the rail.

When this is not possible or economical, the fastening of the wheel sensor by a clamp is the method of choice.

Thales has designed a clamp for the slim line wheel sensor Sk30K. This clamp offers all features for safe and reliable train detection.

The Thales wheel sensor clamp is designed specifically for each rail profile. This feature enables the perfect fit with the rail contact not requiring any further adjustments and corrections during installation both horizontally and vertically.

The fixing bolts of the clamp are secured using the Nordlock™-principle securing them against severe vibration and dynamic loads.

An incorrect installation of the wheel sensor clamp is impossible due to its innovative design. The wheel sensor clamp parts only need to be plugged together and fixed to the rail.

Advantages of Thales wheel sensor clamp

- Easy and fast installation by one person within minutes
- No adjustment required
- Incorrect installation impossible
- Only 4 loose parts: 2 parts of the clamp, 2 bolts
- No small parts can be lost in the ballast during installation or maintenance
- Secured against vibrations and high dynamic loads



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Thales wheel sensor clamp characteristics

- Fits to the rail profile
- Available for all commonly used rail profiles on main lines
- Non-magnetic material: No influence of the clamp to the electromagnetic field of the sensor
- Highest clearance height between the top of the rail and the sensor
- Bolts secured using the Nordlock™-principle

The wheel sensor clamp consists of four big parts only: two side frames and two long bolts. No small parts, which can be lost in the ballast during mounting.

The installation of the wheel sensor to the rail with the clamp can be easily performed by one person within few minutes.

The wheel sensor clamp WC30K is designed for Thales slim line wheel sensor Sk30K. Economic applications for the WC30K wheel sensor clamp are:

- Construction works with phased commissioning
- Temporary installations with the requirement for very reliable train detection
- Wheel sensors required to be mounted in the welded areas of a rail

The wheel sensor clamp WC30K is suitable for both ballast as well as ballastless tracks.

The use of non-magnetic materials assures that the clamp itself does not influence the sensor field, thus allowing optimal wheel detection in all installation locations.



view from inside track: receiver



view from outside track: transmitter

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