

A Turntable from the Rhätische Bahn

For the friends of the famous Glacier Express and other narrow railway lines in the Switzerland we are introducing a new product. This new narrow gauge turntable is based on the turntable that is used at the Rhätische Bahn (Switzerland) in the station of Filisur.

The turntable comes with the Nm gauge – 6.5 mm between the rails and shall be available in two versions. The first - a version with a wooden deck. The second version comes with deck covered with metal sheets. The main diameter of the turntable is 15 m or approximately 94 mm in the 1:160 scale.



IMM 3.10 - NmMT

- Top Diameter - 94 mm
- Traction Drive - Standard turntable stepper motor drive IMM-THS-1.0
- Main Step - Adjustable 7.5 – 120 Degrees; in 7.5 steps
- Finishing - Metal Top, Rails on top

IMM 3.10 - NmWTI

- Top Diameter - 94 mm
- Traction Drive - Standard turntable stepper motor drive IMM-THS-1.0
- Main Step - Adjustable 7.5 - 120 Degree in 7.5 steps
- Finishing - Wooden Top, I-Shape, Rails on top



Both versions of the turntable are powered with our standard main drive IMM-THS-1.0 with an electronic TOC 1 and software version v8. The finishing is either an imitation of wood or weathered metal sheets. The used rails are scale N code 40 or scale Z from Maerklin. The product comes with several accessories that have to be attached on the top plate and are, together with spare parts, included in the delivery. The main dimensions of the turntable are:

Item Designation	Model size (1:1) Main Diameter	Model size (1:160) Main Diameter	Overall model size Maximum Diameter x Depth with motor
IMM 3.10-NmMT IMM 3.10-NmWTI	15,000 mm	93.5 mm	132 mm x 45 mm

At the moment this version of a turntable is available at the standard size 93.5 mm (or 15 m original). Other sizes can be manufactured to meet the customer's requirements and specifications.

The main functions of the model are as follows:

- Continuous revolving in both directions with automatic coasting to the pre-set angle
- Smooth acceleration and deceleration during start up and stopping
- Adjustable speed of revolving
- Step movement in multiple of a pre set angle
- Adjustable step in multiple of 7.5 degree, ranging from 7.5 degree to 120 degree.
- Automatic or manual calibration at start up (Adjustable)
- Manual calibration anytime
- Adjustable properties of the calibration (for fine tuning): direction of calibration and reaction on rising/descending edge of the sensor
- Auxiliary push-buttons (calibration and movement in one direction) for testing
- Automatic change of the polarity of the rails every 180 degrees (mechanically)



The original turntable at the station of Filisur