

H0-ELITE-TURNOUTS

Art.-no. 85430 / 85431

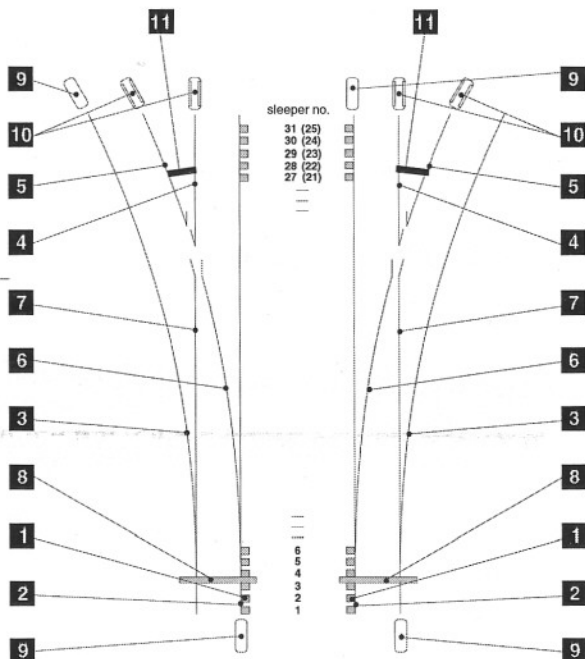
H0 Elite turnouts 11,18°, R = 866 mm
frog angle 11,18°

Art.-no. 85420 / 85421


H0 Elite turnouts 15°, R = 484 mm
frog angle 15°

INDIVIDUAL PARTS

Item no.	Designation	Piece/BS
1	sleeper band ri/le	1
2	outside rail main track	1
3	outside rail branch track	1
4	end rail main track	1
5	end rail branch track	1
6	tongue blade branch track	1
7	tongue blade main track	1
8	actuating sleeper	1
9	track connector	2
10	insulating track connector	2
11	jumper	1
12	contact clip	3

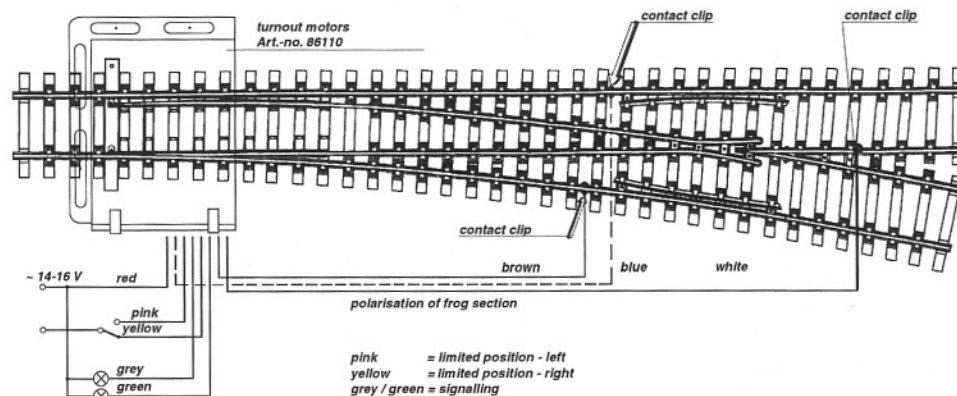


ASSEMBLY INSTRUCTIONS

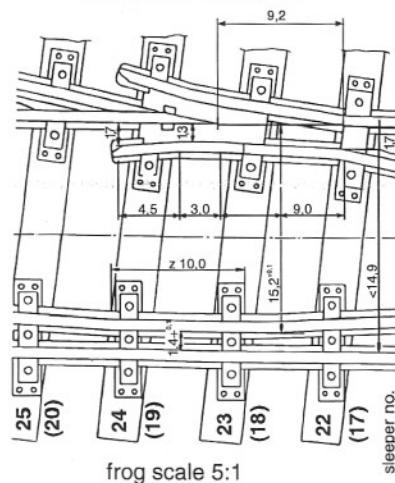
1. Deburr the ends at the foot of each rail piece. This will make it easier to push the sleeper band rail chairs in.
2. Bright-grind the underside of the rail foot on the end rails part 4 and 5 in the area of the 27th (21st) sleeper in order to obtain bare metallic surfaces for the jumper system/conductive continuity.
3. File slight radii at the turnout tips of the tongue rails parts 6 and 7. 
4. Align the outside rails parts 2 and 3 and the tongue rails parts 6 and 7 in a horizontal position.
5. Bend the outside rail branch track part 3 and the tongue rail branch track part 6 by hand so that they correspond to the radii of the sleeper band part 1.
6. Put rail connectors part 9 on the outside rails part 2 and 3 and push into the rail chairs of the sleeper band part 1. Rail projection here on both sides approx. 1,2 mm above the end sleepers.
7. The two end rails part 4 and 5 must be electroconductively connected by means of a jumper. A u-shaped jumper with 4,8 mm shank spacing is bent from the 0,8-mm-wide nickel silver strip part 11. This is inserted from underneath up into the core holes in the end rail chairs of the 27th (21st) sleeper. The ends projecting approx. 1 mm above the rail chairs must be cut off and bent over in the direction of insertion of the end rails.
8. Push the end rail main track part 4 with the milled and notched-out main tip into part 1 and up to a distance of 9,2 mm (8,8 mm) from the rail chairs of the 22nd (17th) sleeper (see "frog section" sketch).
9. Bend the end rail branch track part 5 in turnouts art. Nos. 85430/85431 in a radius. In the turnouts article nos. 85420/85421 the end rail branch track is left straight.
Push the end rail branch track part 5 into the rail chair row until the milled wing rail forms a continuous guiding surface with the main tip on the branch track side.
10. Push the two tongue rails parts 6 and 7 in part 1 up to the rail chairs of the 23rd (18th) sleeper by means of the flat-nose pliers, bend slightly outwards as of the one-sided notch in the rail foot at the 22nd (17th) sleeper and push into the rail chairs of the 23rd (18th) sleeper up to the plastic wing rails.
CAUTION! The rail tongue ends must lie on the sliding plates. If not, the tongue rails must be pulled out again and aligned properly.
11. The positioning lugs at the ends of the tongue rails parts 6 and 7 must be bent downwards carefully at right angles by means of the flat-nose pliers.
12. Push the actuating sleeper part 8 between the 3rd and 4th (2nd and 3rd) sleeper under the rails while raising the tongue rails carefully and hang the tongue hooks into the holes on the actuating sleeper. Bend the ends of the tongue hook under the actuating sleeper back 90°

13. Align the outside rails part 2 and 3 at the end of the turnout at right angles to the end rails.
14. Push on the insulating rail connector part 10 onto both end rails.
15. Bend the contact clips part 12 at the end rail main track and at the outside rails.
16. A powerful motor operating gear must be used to operate this flexible tongue turnout.

ELECTRICAL CONNECTION DIAGRAM



Set up the measure of the rail foot on the end rails part 4



CAUTION! The metal parts have sharp-edged burred ends. There is therefore a danger of injury while handling them. The tracks must be deburred and the sharp edges broken off. Always use suitable tools (flat-nose pliers) to push in the tracks.

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In case of complaint,
please return also this information sheet,
via your local dealer, to:

TILLIG Modellbahnen GmbH & Co. KG

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CE Not suitable for children under 3 years
due to danger of swallowing removable
small parts and risk of injury on account of
unavoidable sharp corners and edges. 0-3