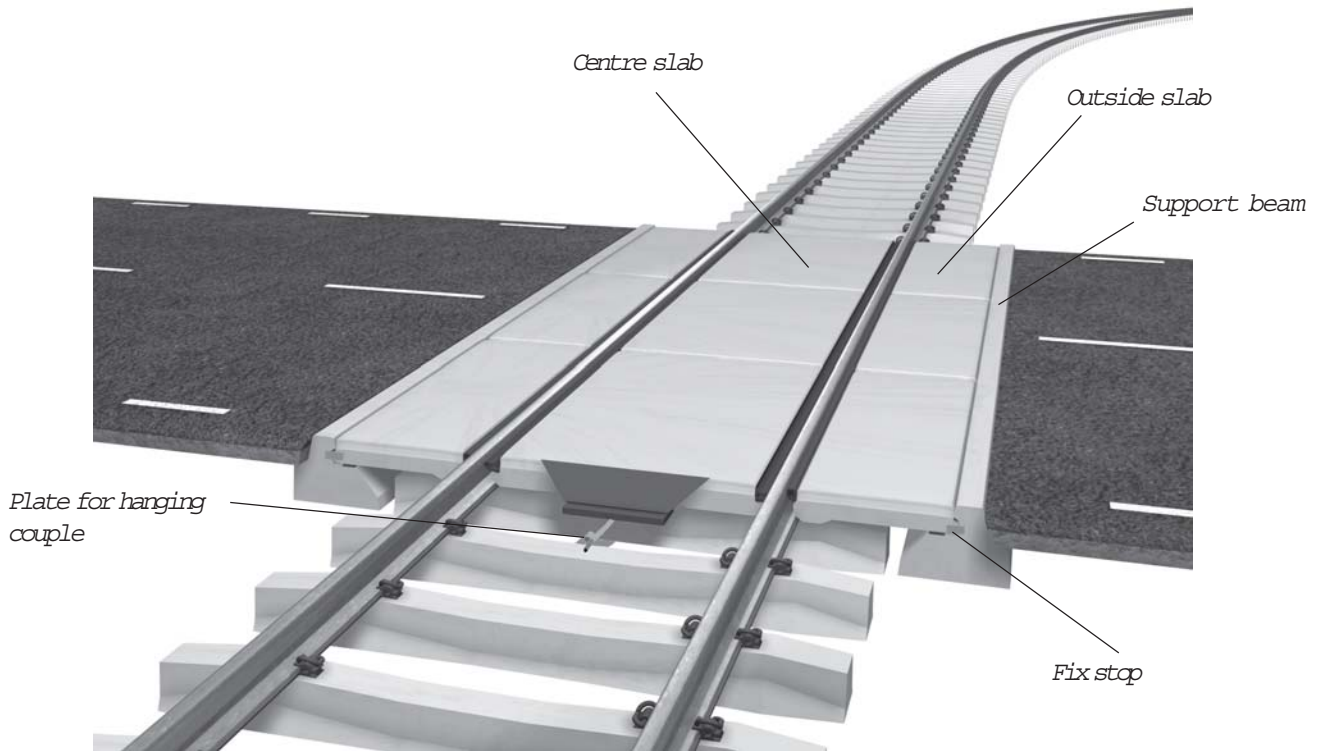


TRAKSLAB



Trakslab is a grade crossing of concrete units that gives a smooth passage between railway and road. The system consists of centre slabs, outside slabs, support beams and accessories.

The units

The support beams work as a foundation and will be put on solid ground.

The centre slabs will be placed between the rails and will be resting entirely on the sleepers.

The outside slabs rest partly on the sleepers and partly on the support beams.

Tight rubber seals, which are fastened to the slabs at the factory, prevent infiltration of dirt into the underlying ballast. The seals are mounted with stainless bolts into stainless screw holes.

All slabs have recesses (concave cavities) to match different types of fastenings.

Functions and advantages

- » Minimum maintenance.
- » Fast and easy handling.
- » The support beams are fixed which enable the asphalt to be intact.
- » Fits 50 and 60 kilo rails.
- » Available for concrete- and wooden sleepers.
- » Strong resistance towards wear and road salt.
- » Tight seals to the rails facilitate a longer interval for ballast washing.
- » The track can move freely and position itself in relation to the railway without adversely affecting the crossover function.
- » Good alignment for both rail and road traffic with low noise level.
- » Separately insulated rails.

Standard slabs

Support beams, outside slabs and centre slabs are made as standard in the following lengths:

Modules 650mm/ module	Element- lengths m m	Centre slabs Element weights (for concrete sleepers)	Centre slabs Element weights (for wooden sleepers)	Outside slabs Element weights	Support beams Element weights
4	2600	1538 kg	1428 kg	714 kg	766 kg
5	3250	1948	1786	893	958
6	3900	2338	2143	1072	1150
7	4550	2728	2501	1250	1342
8	5200	3118	2858	1429	1533
9	5850			1608	1725
10	6500				1917
11	7150				2108
12	7800				2300
13	8450				2492
14	9100				2684
15	9750				2876
16	10400				3067

The units above can be put together to achieve a proper length of the Trakslab.
There is also modules for c/c 600 mm.

Special slabs

Special designed elements are made for Trakslabs in turnouts and in tight curves (radius < 300 m).

Accessories

- » Plates at the ends of the Trakslab, prevent damage from hanging couples and longitudinal movements of the centre slabs.
- » Fix stops assembled at the ends of the support beams to prevent the outside slabs from displace. These details are galvanised.
- » Plastic pads are seated around the fastenings to keep the correct level of the Trakslab.
- » Rubber tube is put between the short sides of the slabs to seal the joints.
- » Geotextile mats are located under the joints to prevent infiltration of dirt into the ballast.

Assembling

The sleeper spacing is supposed to be 650 mm or 600 mm.

An excavator for underground work or a tractor excavator are appropriate to make excavation for the support beams. The bottom of the shaft should be thoroughly compacted. Crushed stone material 8-12 mm is put to the right level with a levelling trolley and then the support beams can be positioned.

All units will be lifted with a front end loader or an excavator. Finally the plates for the hanging couple and fix stops can be assembled.

Quality control

Abetong is certificated according to the ISO 9001, 14001 and AFS 2001 Standard.