



## Product portfolio

**Abetong has the vast expertise to design and develop concrete railway products optimized for its intended use.**

With more than sixty years of experience as a recognized designer and producer of pre-stressed concrete sleepers to the world wide railway network, Abetong has today gained a vast experience in designing sleepers to all kinds of traffic conditions, track data and fastening alternatives. Today sleepers designed by Abetong could be found in railway tracks on all continents around the world. Sleepers designed using all recognized sleeper standards in combination with each respective national specification. The design of Abetong guarantees a solution where the technical requirements are met with an optimized design, technically as well as economically. An Abetong sleeper is furthermore designed with full consideration to the production process, aiming on top quality products using a minimum of man hours.

### **Main line sleepers**

Abetong has designed main line sleepers for the Swedish market and for license partners for more than sixty years. The design experience of Abetong covers sleepers for all various track applications, from heavy freight corridors to high speed railways, from broad to narrow gauge sleepers and for sleepers using all types of fastening systems available on the railway market.

### **Turnout sleepers**

Abetong was the first company worldwide to produce pre-stressed concrete turnout sleepers in

Abetong was the first company worldwide to produce pre-stressed concrete turnout sleepers in series production. Through recent developments Abetong and its license partners are adding technical performances to its turnout sleepers, where the inclined rail seat areas now are used as standards both for shoulder and dowel based fastening solutions. Turnouts equipped with concrete sleepers manufactured according to Abetongs know-how are rapidly increasing on all continents around the world.

## **Tuned concrete sleepers, TCS**

The TCS is a concrete sleeper designed to replace creosote impregnated timber sleepers. The ban of using creosote is soon to be introduced in the European Community, requiring railway holders to search for an alternative sleeper to all secondary railway lines today equipped with timber sleepers. The TCS has been designed with the aim of imitating the timber sleepers in all relevant characteristics, facilitating for spot replacement in existing tracks using timber sleeper.



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## **Level crossing systems**

TRAKSLAB is a cost-effective grade crossing system made of precast concrete. Despite the robustness the crossing is designed to facilitate for easy installation and dismantling during maintenance. The system consists of inner and outer concrete slabs and supporting beams. The supporting beams are equipped with rubber sections for a tight and secure fit towards the rail section. The outside slabs rest on the rail foot and supporting beams while the centre slabs rest on the rail foot on both sides, enabling a continuous and even support. The system can easily be adapted to various types of concrete sleepers and fastening systems. Dismantling, tamping and reinstallation of a normal size crossing will be made in just about one hour.

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## Related downloads

📄 [Concrete sleepers - brochure](#) (PDF, 1.1 MB)

📄 [TCS Information](#) (PDF, 998.27 KB)