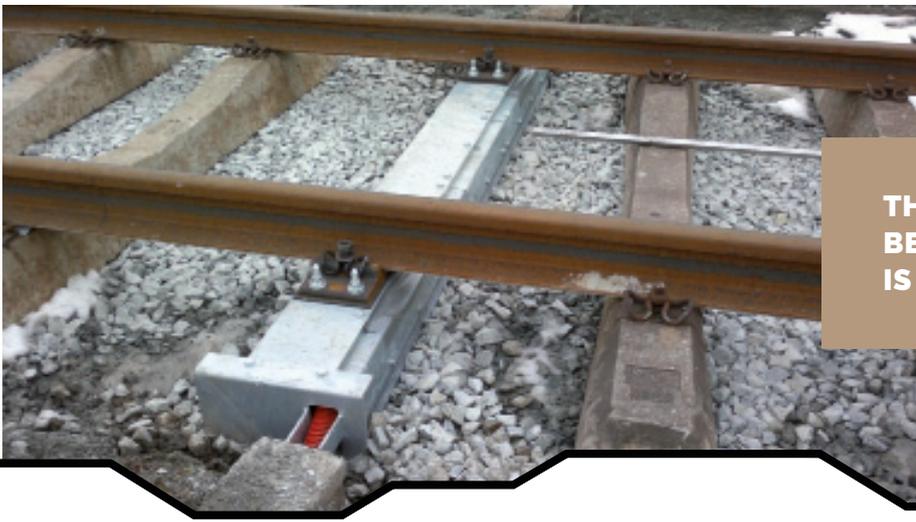


## Kampa Sleeper

### **KAMPA SLEEPER FOR CABLE MANAGEMENT**

*Traditional cable ducts for track crossing cables are always situated between two sleepers. This causes problems with properly tamping the track at these sleepers. In addition, there is a great risk that a tamping machine will damage the cable duct. A solution to this problem is to use a hollow steel sleeper through which the cables can be laid and which eliminates cable ducts in the track.*



**THE NEW TYPE PTH 21/22 CAN ALREADY BE USED WHEN THE HOLLOW SPACE IS NOT YET CLOSED**

# KAMPA SLEEPER

## TYPE PTH 1/2 & PTH21/22



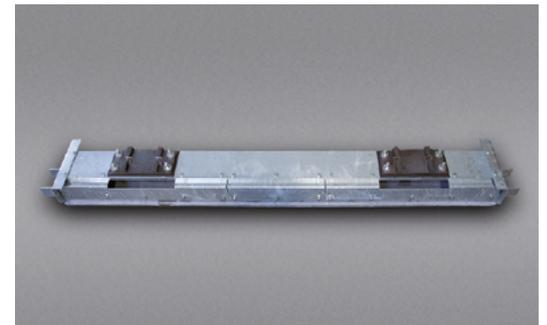
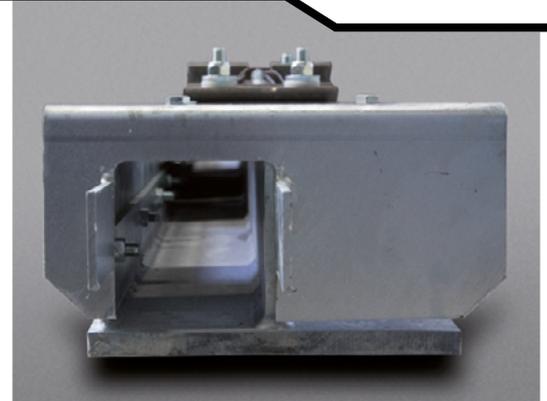
The PTH not only offers the possibility to feed cables through, but also has the additional advantage that cables can be laid into the bearer through a longitudinal opening. This eliminates the need to cut cables. Removable end plates can be mounted at the ends of the PTH, provided with an opening whose width matches the dimensions of the cable duct. for lubricating railway points while improving performance.

### APPLICATION AREA

The PTH can be used in ballast track, with a sleeper distance of 60cm or otherwise. For turnouts, the PTH can be used for bearers in any desired length. The bearer height can also be adjusted with light rail, so that the construction depth corresponds to the sleepers in the track.

### CABLE DUCT

The PTH 21/22 is suitable for double cable entry (2 separate hollow spaces). The PTH type 21 is equipped with flat plates for rail mounting and the PTH 22 is equipped with rail base plates with a rail slope of 1 in 40. However, 1 in 20 is also possible.



### IMPROVEMENTS AND MODIFICATIONS

The type PTH21/22 has a net weight of 290kg. The earlier developed type PTH1/2 has a net weight of 400kg. In addition, unlike its predecessors, these new types can be used by train traffic if the cable ducts are not yet closed. In addition, the new types have light covers that can be easily installed by one person.

**KAMPA B.V.**

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