

STEEL BEARING PHITT



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The PHILIPP steel support PHiTT

The construction, which is assembled from various steel elements (U-profile, plate, concrete bar) into a one-piece solution, is the modern method for storing TT plates, beams or similar finished parts in a time-saving and cost-effective manner. PHiTT is available in five standardised sizes that cover a load capacity range from 65 to 160 kN for mounting conditions. In the final state, the supporting models of the notched support and PHiTT are combined. This ensures the required load capacity in the final state. The result is a permanent connection of ceiling or beam components with a supporting element. The transfer of (quasi-)static support forces is guaranteed throughout the entire useful life of a mostly industrial building.

The advantages of PHiTT are the optimised reinforcement: In many cases, a comparably high load-bearing capacity is achieved with even less reinforcement. This also reduces time and costs both in the planning and in the later production of the concrete elements. In combination with the quick and independent assembly, further efficiency increases are thus a reality.

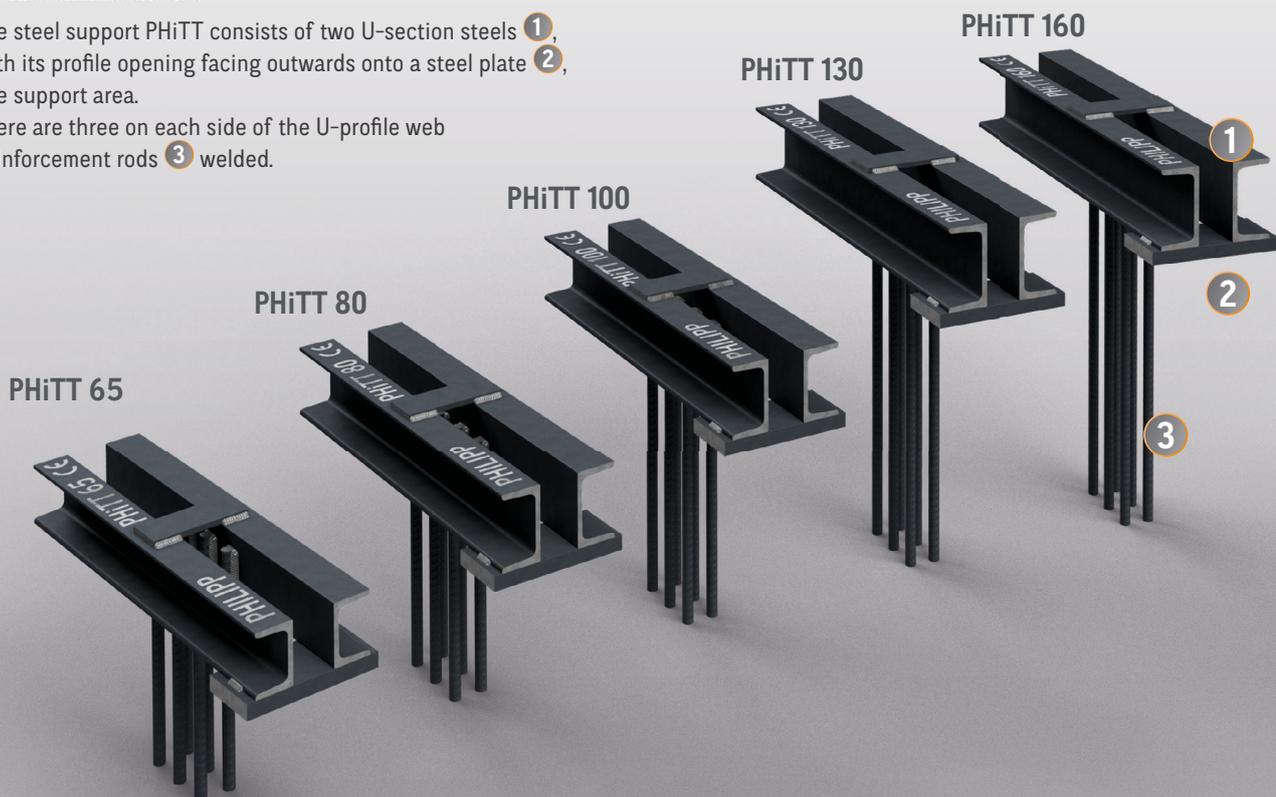
Range of applications:

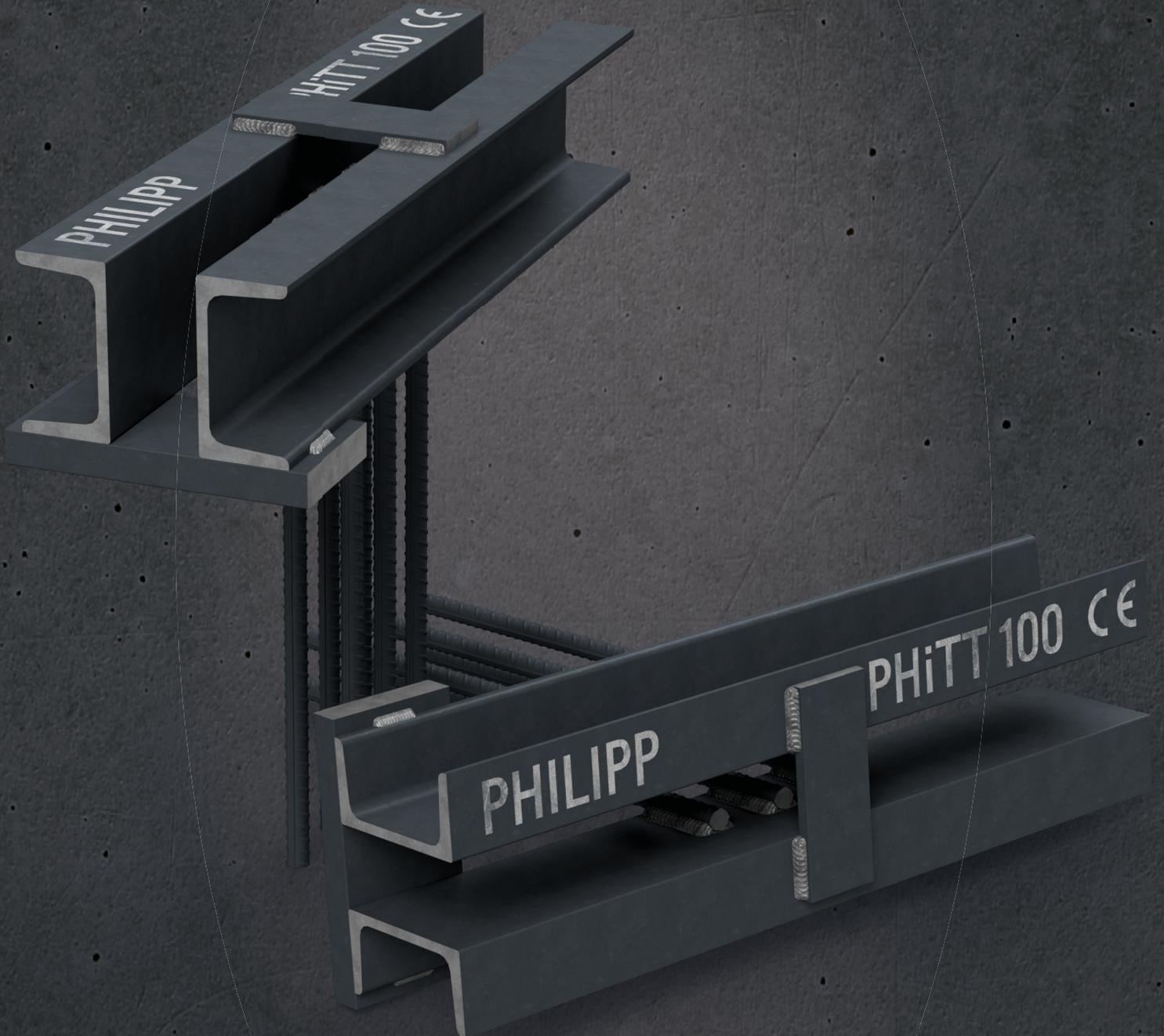
- » Floor and roofing slabs
- » Trough plate
- » Carrier

Product characteristics

The steel support PHiTT consists of two U-section steels **1**,
With its profile opening facing outwards onto a steel plate **2**,
The support area.

There are three on each side of the U-profile web
Reinforcement rods **3** welded.





SUPPORT OF TT PLATES, TROUGH PLATES AND BEAMS

Efficiency, time saving and highest quality



1

Planning

- » Especially optimised for TT plates, also suitable for trough plates, supports etc.
- » High load capacity with optimised reinforcement at the same time
- » Simplified structural planning - e.g. no bracket belts, no notched beams
- » Reduced construction height – more space with the same stability
- » Faster construction time thanks to optimised processes
- » Flexible assembly sequence – more independence on the construction site
- » Cost-effectiveness throughout the project
- » Type-tested & dimensioning-friendly - Simple design via software or table



2

Production

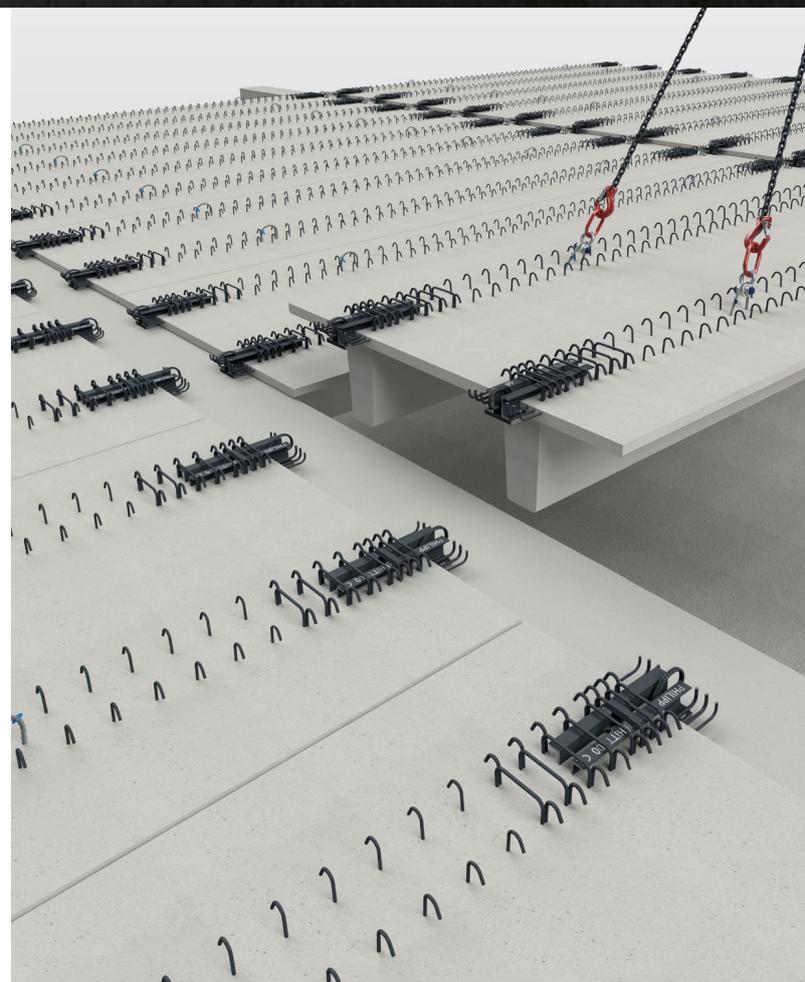
- » 100% prefabrication – consistently high quality and repeatability
- » Practical built-in part – can be quickly integrated into formwork and reinforcement
- » Clear reinforcement specifications – for smooth processes
- » Less formwork – more efficiency throughout the entire project



3

Mounting

- » Easy installation – without additional mounting support
- » No need for filling – less effort, less concrete cosmetics
- » Rapid implementation – for smooth construction progress





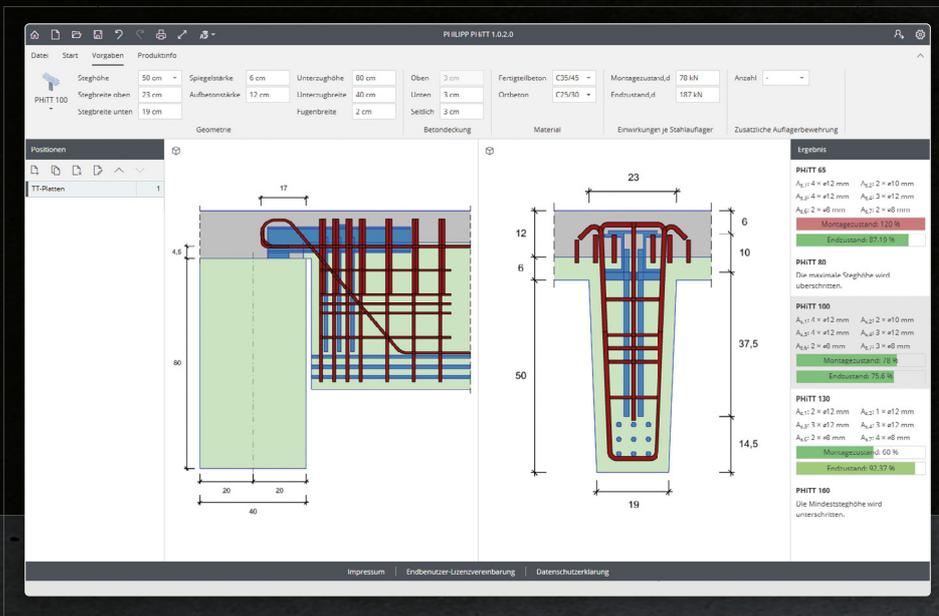
PHiTT

Digital dimensioning for the steel support PHiTT

With the browser-based design software for the steel support PHiTT, you plan quickly, safely and efficiently. The application is available directly from the PHILIPP Lab – without installation, always ready for use.

The intuitive user interface means that only a few inputs are required to obtain accurate results. The software carries out a multiple design and provides you with all relevant output at the push of a button – from static proof to reinforcement representation and bending plan.

This makes the design of your PHiTT steel support easier than ever – digitally, efficiently and practically.



+ Your advantages

- » **Web-based in PHILIPP Lab**
– no installation required
- » **User-friendly operation**
– quick to understand
– easy to use
- » **Efficient planning**
– saves time
– reduces sources of errors
- » **Practical results**
– for planning and documentation

FROM PLANNING TO APPROVAL



Data

- » Few data required – getting a result quickly



Design

- » Multiple dimensioning – ideal for variant comparisons



Print:

- » Clear printout included
 - › Statical proof
 - › Reinforcement presentation
 - › Bending pattern of the reinforcement



CAD Library

Model data (2-D/3-D) available in various export formats for different CAD systems. Available via PARTcommunity (Cadenas) or directly on our website.

The PHiTT design software supports you from the first entry to complete documentation – reliably and efficiently.

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