



The LEITNER Special Towers

Reaching higher levels with standard components

Basis Towers with heights of over 30 m are constructed by LEITNER as special central towers, two-leg, four-leg or lattice towers. The upper shaft of all types can be designed as a Y-piece.

Description Below the upper tower shaft, the two-leg/four-leg tower is separated into two pipes by an intermediate section. Depending on static requirements and the height of the tower, a two-leg construction can be expanded to a four-leg construction by adding further intermediate sections. Except for the intermediate section, the only components used for this purpose are standard tubular tower components (pipes, conus elements, flange connections). The individual elements are always separated in a way that ensures trouble-free transport and assembly.

In order to divide the Y-tower into 2 tower heads, a so-called Y-piece is attached onto the upper tower shaft. The head piece of the Y-tower also consists of standard tubular tower components. Optionally, the special central tower can be equipped with a ladder inside the tower shaft.

The upper component of the lattice tower is identical with the standard tubular tower. It is connected to the lower lattice construction by means of a flange connection.

The surface finishing of all towers is realised by hot-dip galvanising and/or additional lacquering with RAL colours on request.



Benefits The **combination** of the different pipe diameters, wall thicknesses as well as separations can be **modified as requested** and **perfectly adapted** to the statical requirements of the special tower.

The **use of the standard components** of tubular towers **ensures rapid manufacturing** and **short restocking times**. A special tower can therefore be **installed** almost **as fast as a standard** tubular tower.

Although it needs only a **small base area**, the **special central tower with Y-head** allows for **great tower heights** and is therefore ideally suited for **urban use**.

Technical data

Max. tower height	approx. 65 m (two-leg/four-leg and special central tower), and higher (lattice tower)
Max. length of shafts (tubular)	depending on transport and assembly conditions, standard length: approx. 12 m
Max. weight of shafts (tubular)	depending on transport and assembly conditions, standard weight: approx. 3,000 kg
Line gauge	3.9 m/4.9 m/5.3 m/6.1 m/6.6 m/7.3 m
Pipe diameter	609 mm/762 mm/1016 mm/1220 mm/1422 mm/1910 mm/3500 mm, conical shaft according to statical requirements
Wall thickness	from 6 to 25 mm, variable with conical shaft according to statical requirements