

LEITNER Special Towers

Reach new heights with standard components

Towers over 30 meters high are built by LEITNER as special central towers, two- or four-legged towers, or lattice towers. The uppermost shaft of all of these types can be designed as a Y-piece.

The two-/four-legged tower is divided into two tube sections by an intermediate section below the uppermost tower shaft. If required on account of structural considerations and tower height, a two-leg structure can be divided into a four-leg structure by means of additional intermediate sections. Standard round tube tower components are used throughout (tubes, conical transitions, flange connections), with the exception of the intermediate sections. The various elements are always divided up in a way that facilitates easy transport and assembly. In the case of the Y-tower, a Y-piece is placed on top of the uppermost tower shaft, dividing the tower into two heads. Again, the head section of a Y-tower consists of standard round tube components. Special central towers can be built with ladder access inside the shaft as an option. In the case of a lattice tower, the uppermost tower component is identical to that of a standard tubular tower and is connected to the lattice substructure by means of a flange joint. All of our towers are hot-dip galvanized or can be painted in a RAL color of your choice.

BENEFITS Different tube diameters, wall thicknesses, and divisions can be combined to suit the special tower's structural engineering requirements. Standard components are used for the round tube supports, guaranteeing short production and replacement times. Because of this, a special tower only takes slightly longer to assemble than a standard round tube tower. The special central tower with a Y-head can be built very high, but it requires only a small footprint, so it is ideally suited to urban use.

TECHNICAL SPECIFICATIONS

- + Maximum tower height approx. 65 m for two-/four-leg and special central tower, and even higher with lattice supports
- + Maximum length per shaft (round tube) depending on transport and assembly factors, standard length approx. 12 m
- + Maximum weight per shaft (round tube) depending on transport and assembly factors, standard weight approx. 3000 kg
- + Wall thicknesses between 6 and 25 mm, variable with conical shaft depending on structural engineering requirements

