

thyssenkrupp test tower in Rottweil: facts and trivia

- With a height of 246 meters, the Rottweil test tower is the **highest building in Baden-Württemberg**. On second place follows the Stuttgart TV tower with 217 meters.
- With 232 meters in height, the **observation deck is the highest one in Germany**, closely followed by the Europe Tower in Frankfurt am Main with 224 meters in height.
- In total, thyssenkrupp Elevator invests **40 million euros** in the future research institution.
- The **test shafts of the elevator test tower have a combined length of 2.1 km** – so if the tower contained only one shaft of that length, it would be eight times its actual height and still twice as high as the currently highest building under construction (Jeddah Tower, Saudi Arabia, 1,007 meters).
- The tower all in all **weighs 40,000 tons** – that is as much as 8,000 African elephants.
- In total, **15,000 cubic meters of concrete and 2,500 tons of steel** have been installed. The amount of steel corresponds to the daily production of the modernized furnace of thyssenkrupp in Duisburg.
- The **building space amounts around 118,000 cubic meters**. If the test tower was a beer glass, its content could serve 20 Oktoberfests.
- From the **first groundbreaking to the topping-out ceremony, it took less than ten months**. In other words: In only 245 days, the tower went from zero to -32 and back up to 232 meters.
- On some days, the tower **grew 5 meters per day**. By that, its growth was five times as fast as some bamboo species' growth. On average, the tower grew around 3.5 meters per day.
- The **membrane has a total area of 17,000 square meters**, which corresponds to two soccer fields.
- The tower will be the **exclusive testing environment for MULTI** – the first rope less elevator system of the world. Three connected shafts allow the genius elevator to move through the tower horizontally.
- Right now, only one elevator runs in the test tower (status September 1st, 2016). That is the firefighter elevator, which reaches a top speed of 4 meters per second (around 15 km/h).
- The **fastest elevators in the test tower** will later run through the shaft with a speed of up to **18 meters per second (65 km/h)** – that is twice as fast as Usain

Bolt's speed during his world record run.

- The **staircase contains more than 1,500 steps**. The unofficial record for the test tower stair run (start at -32 meters, finish at 232 meters) so far lies at 15 minutes.

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Contact:

thyssenkrupp Elevator AG

Michael Ridder

Head of Media Relations

T: +49 201 844 - 563054

michael.ridder@thyssenkrupp.com

www.thyssenkrupp-elevator.com

Twitter: [@Michael23Ridder](https://twitter.com/Michael23Ridder)

People shaping cities blog: www.urban-hub.com

Company blog: www.engineered.thyssenkrupp.com