

The right steel tube for your Treehouse Struts

Liability notice:

"TheTreehouse.Shop - Vitus Wahlländer" accepts no liability for these details - they are rough recommendations. We always advise hiring a structural engineer or engineer to calculate and check the treehouse, the load and the load-bearing capacity of the connection in advance. Welding work may only be carried out by certified specialists.



THE **TREEHOUSE** SHOP
QUALITY TREEHOUSE HARDWARE



Installation Instructions:

1. The plates of the "Strut Supports" can be removed and replaced by nut M24:
e.g. Nut M24: DIN 934 blank ; DIN 936 galvanized ; DIN 985 self-locking
2. The steel tube must fit over the M24 fine thread of the "Strut Supports":
Inner diameter $\phi_i > 25 \text{ mm} < 26,5 \text{ mm}$
3. The nuts are screwed in to within 1 cm of the end of the fine thread of the strut!
4. The steel pipe is cut to the desired length.
5. The steel pipe is clamped evenly on both sides with the nuts.
6. The nut and the steel pipe can be welded together.
7. Lock nuts also make sense - this way the nuts cannot loosen by themselves.

Attention: Strut must not be welded (special steel alloy!)

Attention: The strut may only be loaded under pressure!

Orientation values for the use of steel tubes as struts, in combination with our products: "Strut Support Safety" , "Strut Support GTS" , "Strut Support Platform".

DIN EN 10210 "Thick-walled pipes"

Steel Quality S335J2H

Connection Strut Support ϕ 24mm

Length plug connection max. 230 mm

Clampable with nut M24 (blank / weldable / 2 x right thread)

Pressure load	Outside ϕ [mm]	Wall thickness [mm]	Inside ϕ [mm]	Weight Pipe [kg/m]
< 500 kg	35	4,5	26	3,38
500 - 750 kg	38	6,3	25,4	4,93
750 - 1000 kg	42,4	8	26,4	6,79
1000 - 1250 kg	48,3	11	26,3	10,1