

Product data sheet – Lifting Anchor

Product description

The load-bearing device made of quality steel can be used for simple and safe lifting of all kind of wooden components.

The lifting anchors up to 1.3 tons can only be used with the Eurotec transport anchor screws $\varnothing 11 \times 125$ mm and $\varnothing 11 \times 160$ mm according to ETA-11/0024.

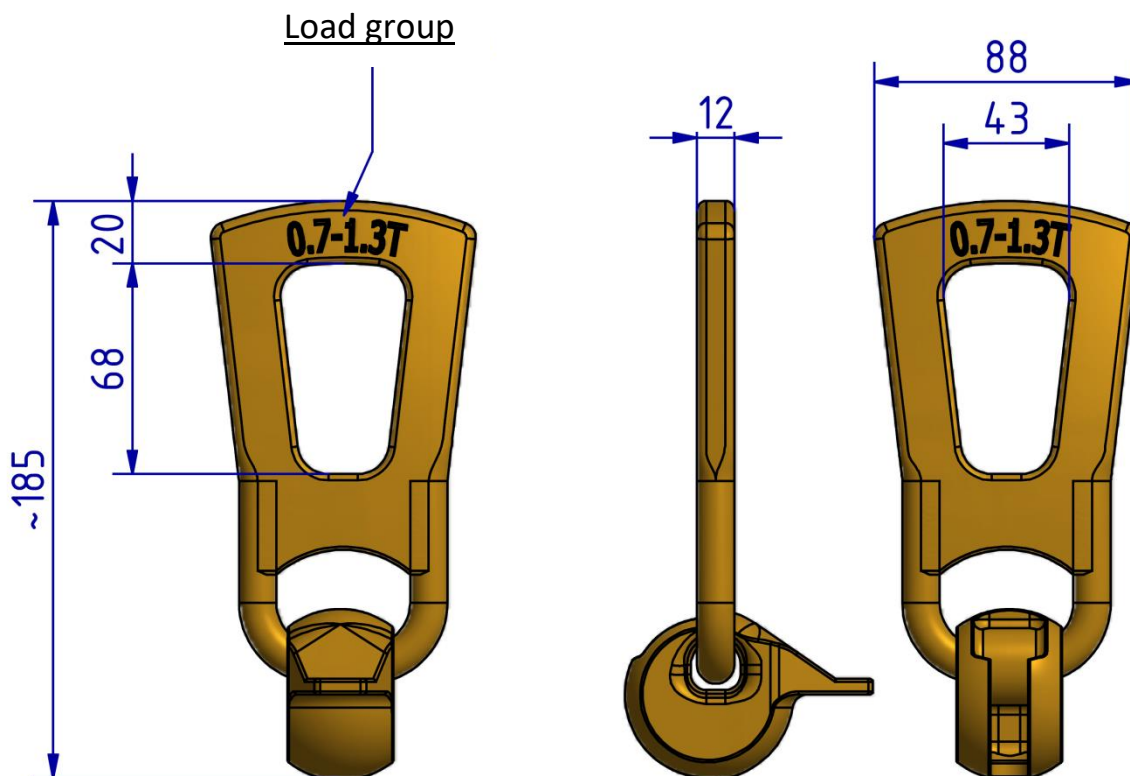
The Eurotec transport anchor screws can only be used once. Without pre-drilling they can be drilled in solid wood (softwood), veneer lumber, glulam and laminated timber. The usage in hardwood is not permitted.

The correct mounting positions can be found in in our installation guide that we are pleased to provide you with.



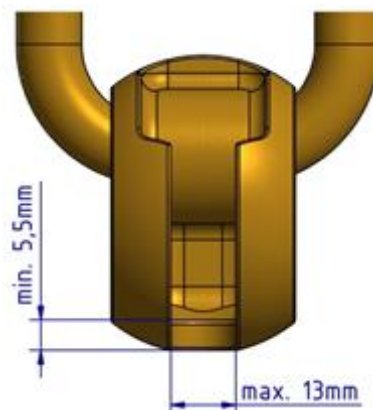
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Lifting Anchor

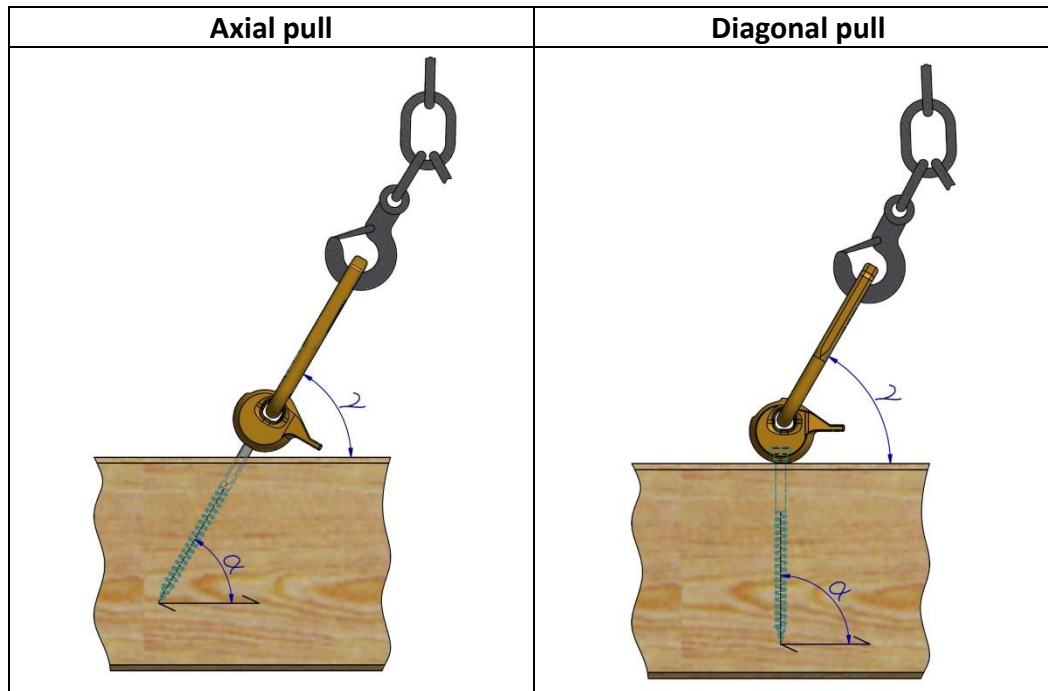


Safety note lifting anchor

- Before usage, the operating instructions must be read
- Before the first usage, the operators must be trained
- No pre-drilling for screws
- The transport anchor screws can only be used once
- The permitted loading capacity cannot be exceeded
- At least two mounting positions per component
- Lifting anchors must be inspected with regard to any damage before usage



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Permissible lifting ^{a)} loads per lifting point ^{b)}				
	$\gamma^c)$	$\alpha^d)$	Ø11 x 125 mm	Ø11 x 160 mm
Axial pull	60°	60°	533 kg	603 kg
	60°	30°	409 kg	462 kg
Diagonal pull	60°	90°	462 kg	522 kg
	60°	0°	139 kg	157 kg

a) Dimensioning according to ETA-11/0024 with density $\rho_k = 350 \text{ kg/m}^3$; $k_{mod} = 0,9$; $\gamma_M = 1,3$; $\gamma_G = 1,35$; $g = 9,81 \text{ m/s}^2$ and dynamic factor $\varphi_2 = 1,16$.

All specified mechanical values should be considered depending on the assumptions made and represent design examples.

All values are calculated minimums and are subject to typesetting and printing errors.

b) At least 2 strings are required for each component to be lifted. Each string connects to only one attachment point. If more than 2 strings are used, only two anchor points can be seen as load-bearing, unless an even load distribution is ensured.

c) γ - inclination angle of the string (chain, rope, webbing, etc.) at least 60° according to BGR 500

d) α - angle between fiber direction and screw axis

Attention: These are planning aids. Projects should be calculated by authorized persons, only.

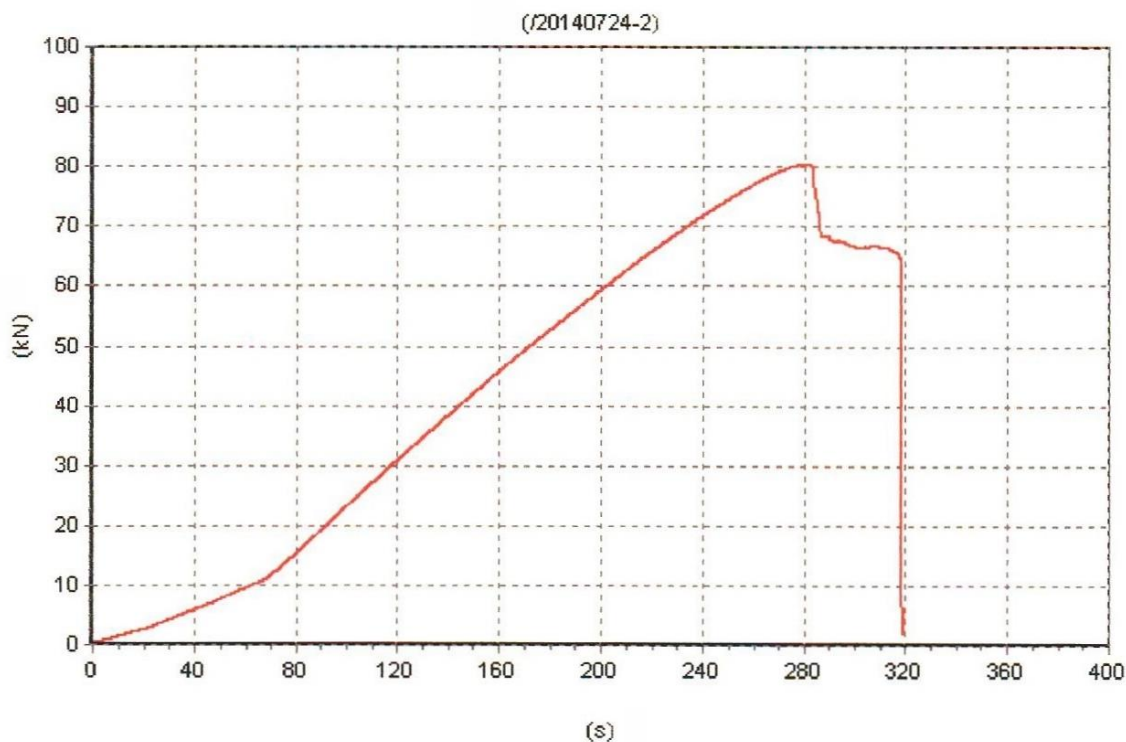
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Extract from tensile strength test report:



TENSILE STRENGTH TEST REPORT

Batch No.	QDI14E06	Item	/20140724-2
Material	/42CrMo	Size	/1.3T
Date	2014-07-24	Temperature (°C)	20.0
Inspector		Maximum Load (kN)	80.380
Total Elongation (%)	11.0		



If you are not familiar with the application of the product at hand, especially with the handling according to given regulations, it is essential to get in contact with our technical application support department (Technik@eurotec.team).