PRODUCT DATA SHEET

TRANSPORT ANCHOR SYSTEM

PRODUCT DESCRIPTION

The quality steel load handling devices are used to **safely and easily lift wooden components** of all kinds. The transport anchors of the load group 1.3 tonnes are**expressly only to be used with the Eurotec transport anchor screws Ø 11 x 125 mm and Ø 11 x 160 mm.** The Eurotec transport anchor screws are only to be used once. They are to be screwed, without pre-drilling, into solid wood (softwood), laminated veneer lumber, board coating timber, cross laminated timber, Brettstapel (dowellam) lumber and beam ply lumber. **Do not use with hardwood.**

Our operating instructions contain possible or permissible installation positions as well as handling instructions. We are happy to make these available to you

Transport anchor

Transport anchor screw

ADVANTAGES

- High load bearing capability
- Easy lifting, transporting and moving of large wooden components
- Can be installed in three variants, for stressing the transport anchor screw to:
  → axial pull
  → diagonal pull
  → diagonal pull with form-fit milling of the coupling head

MATERIAL

- Quality steel

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PRODUCT TABLES

Transport anchor			
Art. no.	Load group	Dimensions[a] [mm]	PU*
110361	Up to 1.3 tonnes	90 x 70	2

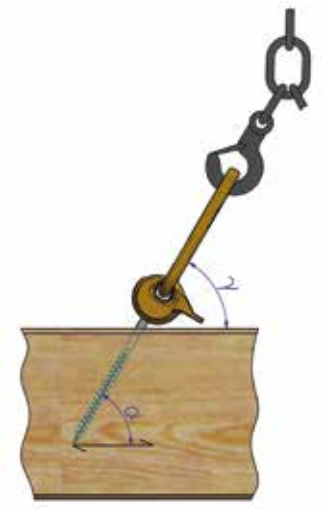
[a]Length x width

*Screws must be ordered separately

Transport anchor screws*			
Art. no.	Dimensions [mm]	Drive	PU
110359	11.0 x 125	SW 17	20
110360	11.0 x 160	SW 17	20
110371	11.0 x 200	SW 17	20
110372	11.0 x 250	SW 17	20
110373	11.0 x 300	SW 17	20

* Transport anchor screws may only be used once.

TECHNICAL INFORMATION



Axial pull

Diagonal pull

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TECHNICAL INFORMATION

Permissible lifting load[a] per anchor point[b]							
	γ[c]	α[d]	11 x 125 mm	11 x 160 mm	11 x 200 mm	11 x 250 mm	11 x 300mm
Axial pull	60°	60°	618 kg	699 kg	914 kg	1182 kg	1451 kg
	60°	30°	474 kg	536 kg	700 kg	906 kg	1113 kg
Diagonal pull	60°	90°	488 kg	516 kg	565 kg	600 kg	622 kg
	60°	0°	190 kg	212 kg	252 kg	291 kg	322 kg

a) Rating per ETA-11/0024 with gross density ρ_k= 385 kg/m³; ρ_a= 350 kg/m³; k_{mod}= 1; γ_M= 1.3; γ_G= 1.35; g= 9.81 m/s² and dynamic factor ϕ_2= 1.2 and safety factor = 2.106.
All mechanical values provided should be viewed as subject to the assumptions that have been made and represent example calculations. All values are calculated minimum values. Typesetting and printing errors are excepted.
b) At least 2 strands must be provided for each component to be lifted. Each strand leads to exactly one anchor point. If more than 2 strands are attached, only 2 anchor points must be assumed to be load bearing, unless an even load distribution.
(by means of a compensation rocker, for example) is ensured on other strands or an uneven load distribution does not exceed the permissible load of the individual strands.
c) γ - Tilt angle of the strands (chain, rope, lifting strap, etc.) at least 60° according to BGR 500
d) α - Angle between fibre direction and screw axis

Attention: These are planning aids. Projects must only be calculated by authorised persons.

Safety instructions

- The operating instructions must be read before use
- Users must be trained prior to initial commissioning
- Screws do not need to be pre-drilled
- Only use screws once
- Load of the component to be lifted must not exceed the permissible value
- At least two anchor points required for each component to be lifted
- Check transport anchors for damage before each use and separate out if necessary

If you are not familiar with this product's application, and particularly with the product's intended use, please contact our Application Technology department (technik@eurotec.team).

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