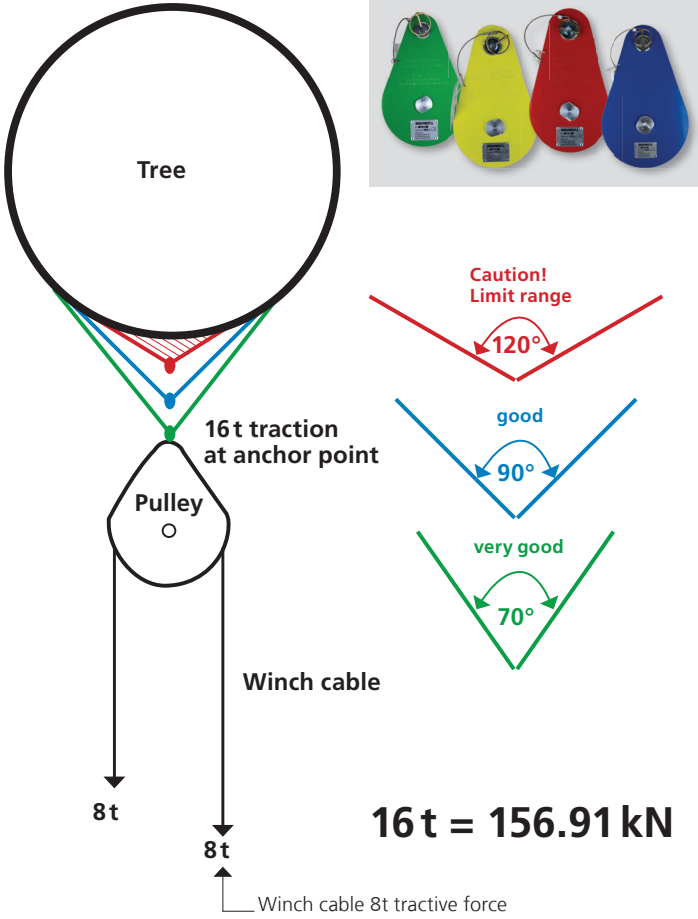
# Instructions for the use of deflection pulleys in ground hauling complying with DIN 30754









## Intended use / Safety information

The following must be checked:

- Is the deflection pulley suitable according to the type plate?
- Deflection pulleys are only for use for hauling felled timber on ground with cable winches and auxiliary traction winches.
- Does the rope/cable Ø match the deflection pulley?
  (The pulley Ø must be at least 10x larger than the cable Ø)
- The designation FTF indicates the deflection pulley suitable for the tensile load of the winch (e.g. FTF 8.5 = 8.5 t maximum tractive force of the winch).
  FTF = Forest Tractive Force
- Improper use or modification of the deflection pulley is not permitted.
- The pulleys are approved for use with plastic ropes and steel cables. As a fastenings to the trunk for example, textile loop straps and round slings should be used. Steel cables and steel cables with a suspension ring are unsuitable and must not be used as fasteners.

## Construction and function

The tractive force of the winch is applied by the winch cable as it runs in and out of the pulley. As a result, the pulley is loaded with twice the winch tractive force. Reductions due to different cable angles are not taken into account for safety reasons. Warning! The double force acting on the pulley must also be taken into account in the fastenings for the deflection pulley. It is essential to observe the data label on the fastenings and the opening angle between the anchor tree and the deflection pulley. Even between 90 degrees and 120 degrees there is already a risk of the fastenings becoming overloaded. When selecting the anchor tree, bear in mind that double the pulling force of the winch must be assumed and can act on the anchor point. It is essential to ensure that the pulley can move freely. Lateral forces can damage the pulley.

## Testing and maintenance

Regularly inspect before use:

- Does the pulley turn easily?
- If there is loud noise or if the pulley runs unevenly, this indicates bearing damage. The bearings must be replaced by original spare parts.
- Are the screw connections tight and secured? If not, tighten and secure them.
- Can the pulley be easily closed, is the catch a perfect fit? If not, this indicates damage. Clean and grease the locking bolt and the thread regularly. This protects against corrosion and ensures a smooth action. If there is a grease nipple on the side in the middle of the shaft, a shot of grease should be injected after ten hours of operation. Deflection pulleys without grease nipples are permanently lubricated and therefore maintenance-free.
- Deflection pulleys may not be repaired by the user. If necessary, please send the deflection pulley to the manufacturer.

## Disposal instructions

- Deformations of the side plates
- The pulley can no longer be turned
- The screw connection is deformed and the pulley can no longer be closed

## Manufacturer

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