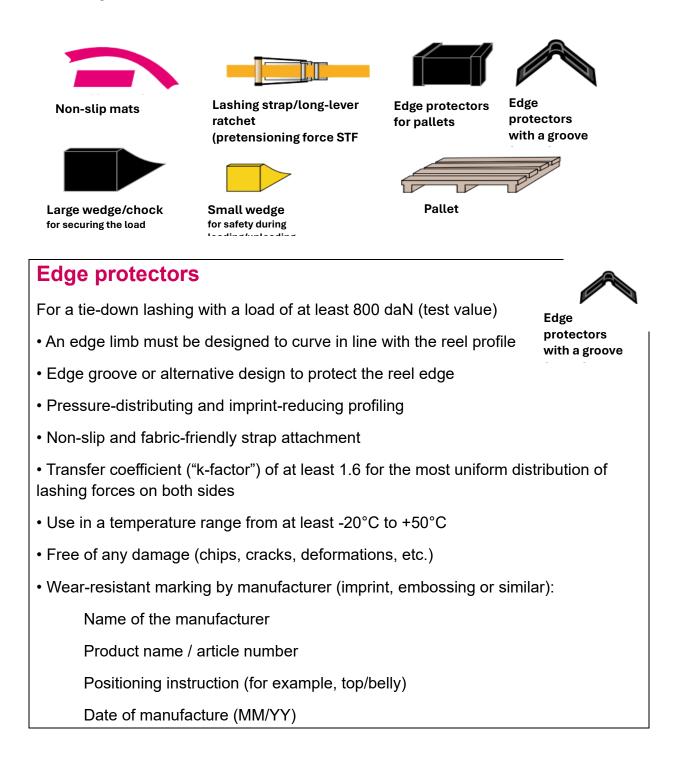


# Minimum material requirement for securing a load of paper reels

#### Last updated 2024





#### Non-slip material

Certified/proven coefficient of sliding friction of  $\mu \ge 0.6$  with appropriate material pairing (reel/loading surface)



- Width of the material ≥ 200 mm
- Thickness of the material approx. 3 mm
- High pressure stability and dimensional stability even in damp and wet conditions
- Free of any damage and contamination that impairs function (discard state)

Preferably wear-resistant marking by the manufacturer (imprint, embossing or similar):

- Name of the manufacturer
- Product name / article number

#### Non-slip vehicle floors

Certified/proven coefficient of sliding friction of  $\mu \ge 0.6$  with appropriate material pairing (reel/loading surface)

Check for any function-impairing contamination or damage

The coefficient of sliding friction of at least  $\mu$  = 0.6 must be guaranteed.

The manufacturer's information and product information must be followed.

The vehicle must be provided with a clearly visible marker indicating the use of a non-slip floor. This could be located inside the last stanchion of the vehicle, for example. Ideally, a reference to the vehicle identification number will be provided.



## Lashing straps (basis DIN EN 12195-2)

STF value of preferably 500 daN so that the edges of the paper reels are not overloaded.



Lashing strap/long-lever ratchet

Strap elongation  $\leq 5\%$ 

Free of any damage that results in the discard state (tears or knots in the strap, deformations to the tensioning element, illegible label, etc.)

GS mark (optional)

### Head sling for securing the load (EN 12195)

Length: 3.8 m

Orange strap, 100% polyester according to EN 12195-2

Strap width of 50 mm without profile hook with 200 mm flat loop on both sides

Total length: outside-outside 3,800 mm

Notes:

 $\rightarrow$  The requirements listed are based on the guidelines VDI 2700 main edition, sheet 2, sheet 9, sheet 14, sheet 15 and DIN EN 12195-2 (lashing straps)