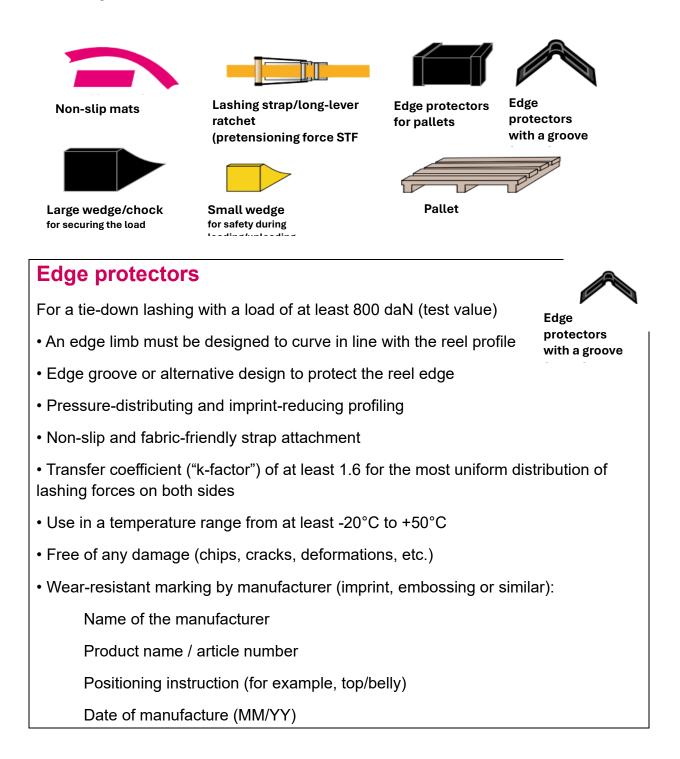


Minimum material requirement for securing a load of paper reels

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 μ = 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)