

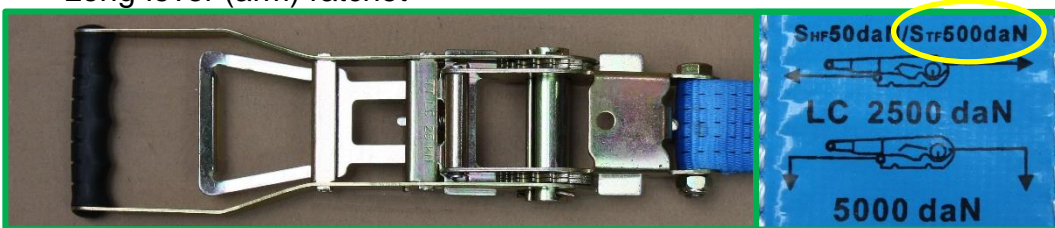
UPM Mandatory tools for cargo securing / cargo securing material

1. Belts and ratchets

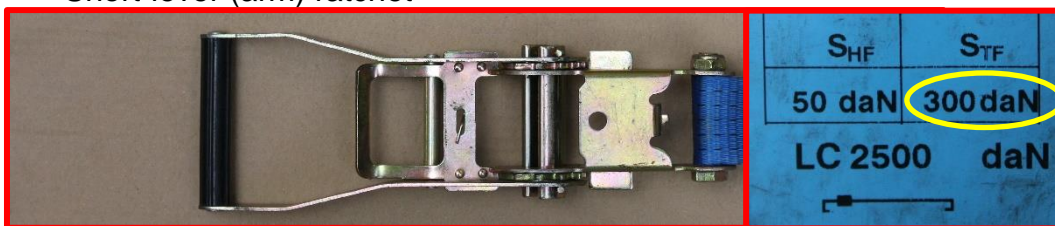
These must have the following properties

- Long-lever (arm) ratchet / EN 12195
- Standard tension force (STF) = 500 daN
- Lashing capacity (LC) \geq 2500 daN / 5000 daN
- Elongation \leq 7%

Long-lever (arm) ratchet



Short-lever (arm) ratchet



The following photos shows material which can no longer be used for load securing.



Every belt and ratchet must have a label with technical specifications and product features.

These labels must be undamaged and readable.

Otherwise the belt or ratchet can't longer be used for cargo securing.

2. Edge protectors

The seven different edge protectors below listed are mandatory for all **paper reels transports** with trailers in Europe. No other edge protectors will be accepted until further notice.

The list has been compiled by UPM drawing upon the knowledge built up over many years of cargo securing and damage prevention.

UPM reserves the right to remove or to add further products!

MIKO PLAST AS

Product name:

Miko Edge Protector HD™

Art.no: KB-374-003

Contact details for commercial contacts:

Miko Plast AS

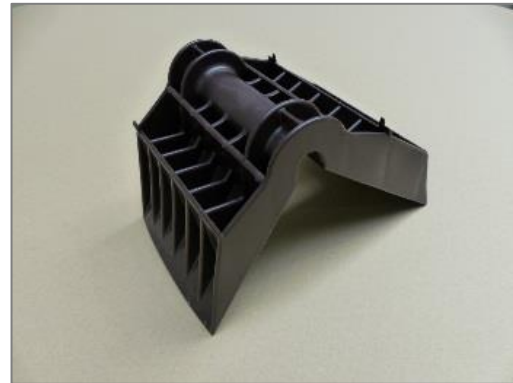
Østre Aker vei 22

N-0581 Oslo, Norway

Email : post@miko-plast.com

Phone : + 47 23 38 47 73

www.miko-plast.com



SPANSET GMBH & Co. KG

Product name: **KaSIPlus**

Art.no: D055985

Contact details for commercial contacts:

SpanSet GmbH & Co. KG

Attn.: Hans-Jürgen Weisbecker

Jülicher Str. 49-51

D-52531 Übach-Palenberg, Germany

Email : jweisbecker@spanset.de

Phone : + 49 (0)2451-4831-133

www.spanset.de



Product coded either with SpanSet® or with www.eversgmbh.de

TRANSPORT-TECHNIK GÜNTHER

Product name:

Kantenschützer KS PP 190x150x160 mm

Art.no: KS 1015

Contact details for commercial contacts:

Transport-Technik Günther GmbH & Co. KG

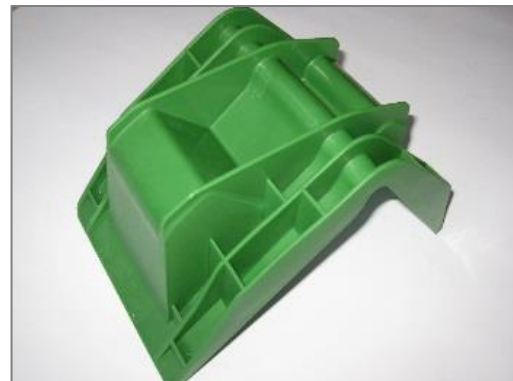
Derchinger Str. 125

86165 Augsburg, Germany

Email : info@transport-technik.de

Phone : + 49 821 543 788 40

www.transport-technik.de



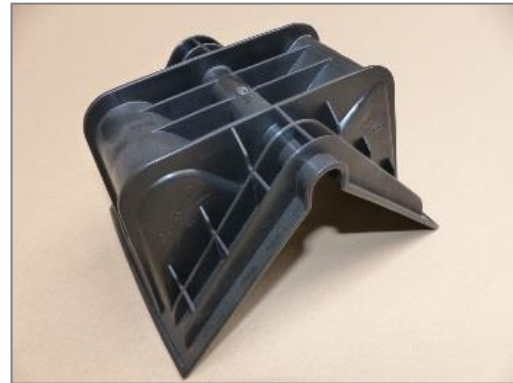
SANUBE

Product name: **PaperMAX**

Art.no: 14216011

Contact details for commercial contacts:

SANUBE GmbH
Hartwagen 12
4776 Diersbach, Austria
Email: office@sanube.at
Phone: +43.7766/ 20500
www.sanube.at



VELTKAMP

Product name:
Paper Roll Protector ® – CPP60

Art.no: 6.045770

Contact details for commercial contacts:

Veltkamp B.V.
Witte Paal 28-30
1742 NL Schagen
P.O. Box 288
1740 AG Schagen
The Netherlands
Email : sales@veltkamp.pro
Phone : +31224274010
Fax : +31224274020
www.veltkamp.pro



TRANSPORT-TECHNIK GÜNTHER

Product name:
Kantenschützer KS ABS/ PC

Art.no: KS 1000

Contact details for commercial contacts:

Transport-Technik Günther GmbH & Co. KG
Derchinger Str. 125
86165 Augsburg, Germany
Email: info@transport-technik.de
Phone: + 49 821 543 788 40
www.transport-technik.de

**Usage accepted by UPM
just until end of 03/2021!**



TRANSPORT-TECHNIK GÜNTHER

Product name:
Kantenschützer KS PP 185x145x150 mm

Art.no: KS 1005

Contact details for commercial contacts:

Transport-Technik Günther GmbH & Co. KG
Derchinger Str. 125
86165 Augsburg, Germany
Email: info@transport-technik.de
Phone: + 49 821 543 788 40
www.transport-technik.de

**Usage accepted by UPM
just until end of 03/2021!**



3. Non-slip materials

These should have the following properties

- A certified sliding friction coefficient $\mu \geq 0,6$
- Dimensions
 - Length = adapted to the reel diameter
 - Width ≥ 150 mm
 - Height = 3 mm
- undamaged and clean

The multiple use of non-slip materials must be certified by the manufacturer.

