

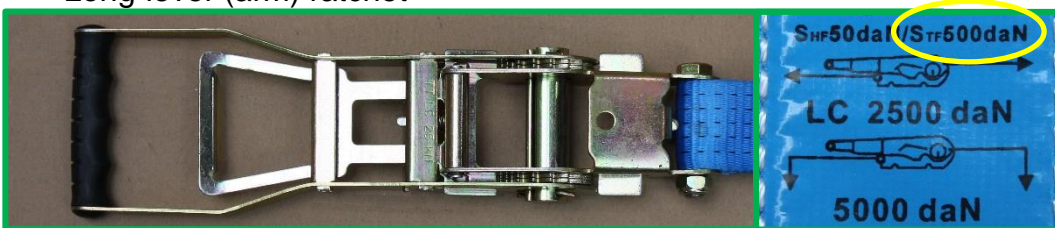
# UPM Mandatory tools for cargo securing / cargo securing material

## 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 eight 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](mailto:post@miko-plast.com)

Phone : + 47 23 38 47 73

[www.miko-plast.com](http://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](mailto:jweisbecker@spanset.de)

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

[www.spanset.de](http://www.spanset.de)



Product coded either with SpanSet® or with [www.eversgmbh.de](http://www.eversgmbh.de)

### TRANSPORT-TECHNIK GÜNTHER

Product name:

**Kantenschützer Papier Spezial 190 x 150 x110mm**

Art.no: KS 1016

Contact details for commercial contacts:

Transport-Technik Günther GmbH & Co. KG

Derchinger Str. 125

86165 Augsburg, Germany

Email : [info@transport-technik.de](mailto:info@transport-technik.de)

Phone : + 49 821 543 788 40

[www.transport-technik.de](http://www.transport-technik.de)



**TRANSPORT-TECHNIK GÜNTHER**

Product name:  
**Kantenschützer KS PP 190x150x160 mm**  
 Art.no: KS 1015

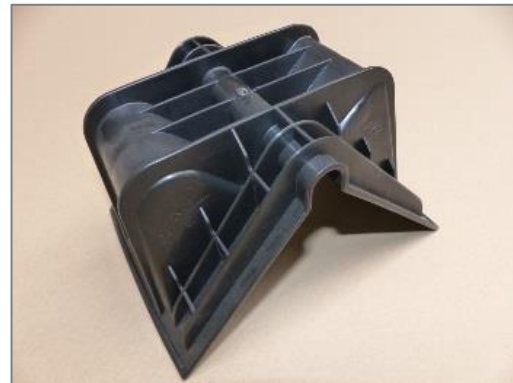
Contact details for commercial contacts:  
 Transport-Technik Günther GmbH & Co. KG  
 Derchinger Str. 125  
 86165 Augsburg, Germany  
 Email : [info@transport-technik.de](mailto:info@transport-technik.de)  
 Phone : + 49 821 543 788 40  
[www.transport-technik.de](http://www.transport-technik.de)



**SANUBE**

Product name: **PaperMAX**  
 Art.no: 14216011

Contact details for commercial contacts:  
 SANUBE GmbH  
 Hartwagen 12  
 4776 Diersbach, Austria  
 Email: [office@sanube.at](mailto:office@sanube.at)  
 Phone: +43.7766/ 20500  
[www.sanube.at](http://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](mailto:sales@veltkamp.pro)  
 Phone : +31224274010  
 Fax : +31224274020  
[www.veltkamp.pro](http://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](mailto:info@transport-technik.de)  
 Phone: + 49 821 543 788 40  
[www.transport-technik.de](http://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](mailto:info@transport-technik.de)

Phone: + 49 821 543 788 40

[www.transport-technik.de](http://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  $\geq 150$  mm
  - Height = 3 mm
- undamaged and clean

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

