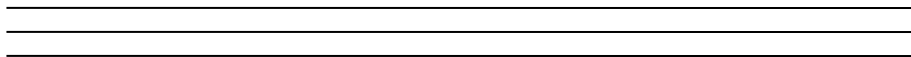


# STF-3550

## Strap Tension Meter





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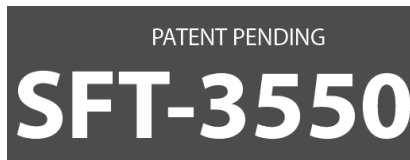
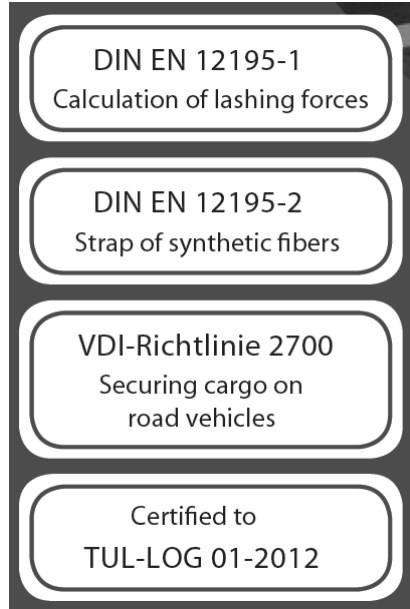
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## 1.0 MEETS THE FOLLOWING STANDARDS



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# Application

Tension meter to determine the optimal tension of straps with a width of 35 mm or 50 mm.



Fig. 1(a): Ground position



Fig. 1(b): Test position

1

To determine the optimal tension, the device must first be brought into the correct position. The area with the small guide bolts should be placed in horizontal position (see fig. 2). Hereby, it is important that the parts shown in the test position in figure 1b snap into place.



Fig. 2: Transfer into the test position

2

To select the correct bandwidth, turn both guide bolts to place them into the appropriate position. The mark in the notch of the guide bolt is indicating the width of the strap (see figure 3).

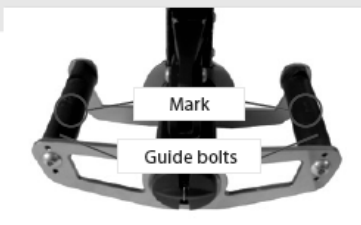


Fig. 3: Adjustment of the guide bolts

3

With simultaneous operation of the handle, disconnect the harness between the components A and B. Make sure that the belt is located in the notches of the guid bolts (see figure 4).

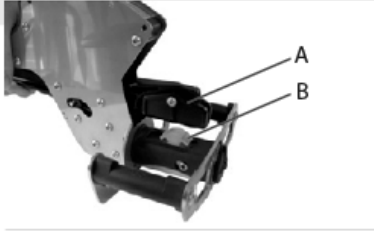


Fig. 4: Identification of parts A and B

4

The tension force can be read by complete detachment of the handle. Current tension can be considered optimal if the indicator is somewhere within the green area. If the indicator is in the red area, tension is too high. The corresponding elasticity of the band can no longer be used. If the indicator is below the green area, there is not enough tension on the straps (see figure 5).

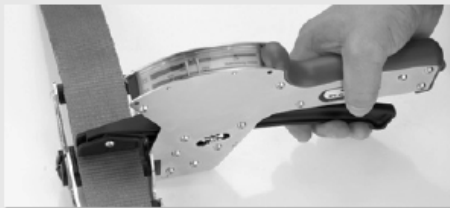


Fig. 5: Shows the device with strap

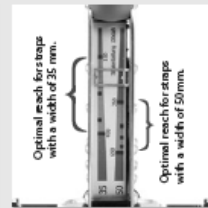


Fig. 6: Determination of optimal tension

**Attention!** The device shows two different scales. Both bandwidths of 35 mm or 50 mm each have their own scale. Make sure you use the correct scale!

We point out that extreme environmental conditions such as very high or low temperatures can lead to measurement inaccuracies. Also, the tension of the straps might change during transport (inspection recommended). This is particularly the case when very long belts are used and when they are stretched around corners. When using a strap around a corner, please note that tension might differ on both sides of the corner. Therefore, we advise to perform measurements on both sides of the corner.

**Warning:** The tension shall not exceed 50% of the maximum allowed tension force indicated by the manufacturer.

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### 3.0 WARRANTY

Checkline Europe (Checkline) warrants to the original purchaser that this product is of merchantable quality and confirms in kind and quality with the descriptions and specifications thereof. Product failure or malfunction arising out of any defect in workmanship or material in the product existing at the time of delivery thereof which manifests itself within one year from the sale of such product, shall be remedied by repair or replacement of such product, at Checkline's option, except where unauthorized repair, disassembly, tampering, abuse or misapplication has taken place, as determined by Checkline. All returns for warranty or non-warranty repairs and/or replacement must be authorized by Checkline, in advance, with all repacking and shipping expenses to the address below to be borne by the purchaser.

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**NOTES**