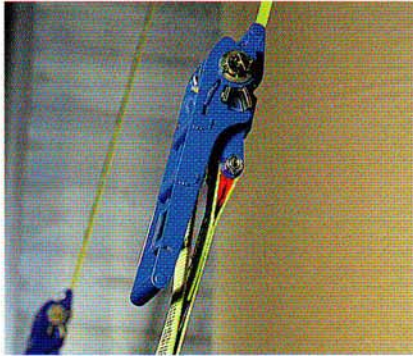


## ANTI BELT-SLIP AND TENSION FORCE INDICATOR

ABS, TFI and adjustable end TFI



- TFI optional on all 50 mm strap ratchets
- Indicates actual pre-tension
- Adjustable end compatible with several end fittings

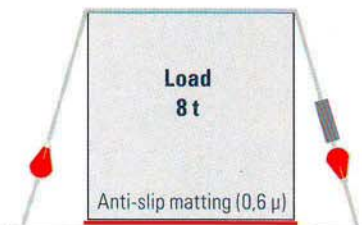
### Be certain of the right tension

When it comes to pre-tensioning forces in your lashing strap system, you need to be smart with your calculations. According to EN 12195-1, you may normally only take into account the STF value of the fixed end and 50% of the pre-tensioning force of the fixed end for the adjustable end. However, if you can prove that a greater pre-tensioning force is achieved, you can take into account this force. So if you can prove 750 daN on both the fixed end and the adjustable end, for example, you can include this 1,500 daN total pre-tension force in your calculations.

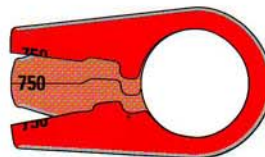
We have developed a unique aid that quickly and reliably shows you the pre-tensioning force applied: the patented **TFI (Tension Force Indicator)**. It states the pre-tensioning force actually achieved directly at the ratchet and at the adjustable end: in steps of 250, 500 and max. 750 daN.

With optimum pre-tensioning, you will thus achieve a load security that can be proven, which will stand up to inspection by police checks, and at the same time reduce the number of lashing items required. So for each load, you'll save on lashing equipment and time.

### ErgoABS ratchet with TFI at adjustable end and ratchet end



1. Total pre-tensioning force necessary: 2,626 daN
2. TFI-Displays at ratchet and adjustable ends read  $2 \times "750" = 1,500$  daN
3. You need: 2 x Ergo ABS with a pre-tensioning force of 1,500 daN = 3,000 daN



Tension Force Indicator