

**SB 88-103****Adjusting of the Speed Limiter for Anchor Windlass Brake – Version 2016**

2018-11-27

Rev. B

## 1 Scope and Target Group

** WARNING**

- ✓ Always refer to the user manual for additional information and safety warnings.
- ✓ Only perform this task if you are qualified to carry out the steps described below.
- ✓ Always make sure that the tasks described in this bulletin are intended for the equipment you are working on.
- ✓ If you are unsure about the workflow, steps or qualification, contact your TTS aftersales service contact.

**Your aftersales service contact:**

TTS Marine GmbH  
An der Reeperbahn 6  
D-28195 Bremen  
Germany

Telephone: +49(421) 520 08-0  
Telefax: +49(421) 52008-749  
E-Mail: [service@ttsgroup.com](mailto:service@ttsgroup.com)

## 2 Task

Before using the hydraulic brake release for anchor chain, the brake cylinder has to be pretension. Without pretension, the hydraulic brake release will not work.

## 3 Instruction

### NOTICE

If the method described below does not function, refer to the method described in the next section (Alternative Instruction).

1. Make sure that the brake band is in close contact with the circumference of the chain wheel brake drum.



Figure 1: Hydraulic brake release

2. Now turn the hand wheel clockwise to tighten the hydraulic brake release. The groove at brake spindle should be located between the max. and min. arrows on the sign plate, so that the required brake holding force can be reached and the brake cylinder can be opened hydraulically (see Figure 2).

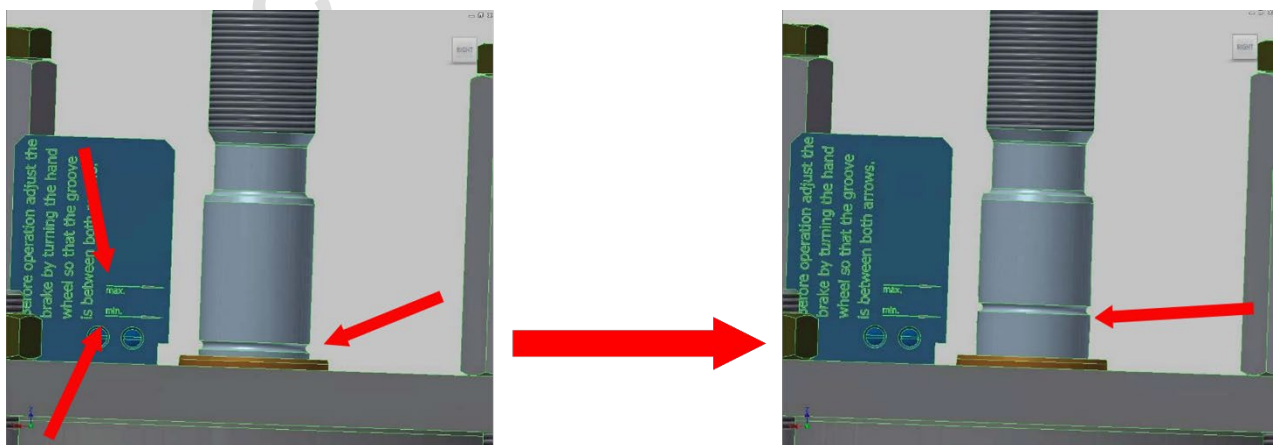


Figure 2: Arrow and groove on the anchor part band brake cylinder

## 4 Alternative Instruction

1. Start the winch.
2. Engage the clutch of the anchor windlass part.
3. Open the speed limiter.
4. Operate the winch in the heave direction so that the hand wheel is lifted from the brake lever.
5. As soon as the spindle comes up (when the groove is between the two arrows) turn the hand wheel one further round (counterclockwise).
6. Close the speed limiter.
7. Check the position of the groove between the arrows, operate the winch in the lower direction so that the groove goes down.
8. If the groove is not in the right position, repeat the procedure until you reach the correct position.

### **NOTICE**

After using the hydraulic brake release (closing brake), the groove can be positioned higher than previously adjusted, depending on required fast closing time and needed tolerances of the brake system.  
A new pretension of the brake spindle is not required in this case.

### **NOTICE**

After using the hydraulic brake release, it takes some time until the groove is back to the position of the previous setting.  
Only in case of brake lining wear out, that is, when the groove position is below the first arrow (min), it is necessary to pretension the brake cylinder again.