

ALERT 014

SAFETY - ONSITE			
Priority:	Urgent - Requires immediate action within 24h		
Item:	Tractel BSO 500, 500E, 504E and 1004E.	Related NCR:	404
Process:	This discovery requires immediate alert to all BSO related customers/users.		
Date:	26. October 2015		
AVANTI Business units concerned:	Denmark	<input checked="" type="checkbox"/>	
	Spain	<input checked="" type="checkbox"/>	
	China	<input checked="" type="checkbox"/>	
	Germany	<input checked="" type="checkbox"/>	
	USA	<input checked="" type="checkbox"/>	
	India	<input checked="" type="checkbox"/>	
	UK	<input checked="" type="checkbox"/>	
	Brasil	<input checked="" type="checkbox"/>	
Required action:	Customers	<input checked="" type="checkbox"/>	

What Happens?

Discoveries in relation to the Tractel Greifzug BSO 500, 500E, 504E and 1004E.

This Alert Overrule any other Alerts sent out by Avanti regarding the above related Units !

Possible Causes:

Evidences have been found of internal components in Blocstop fall arrest devices failing causing the system not performing to its function.

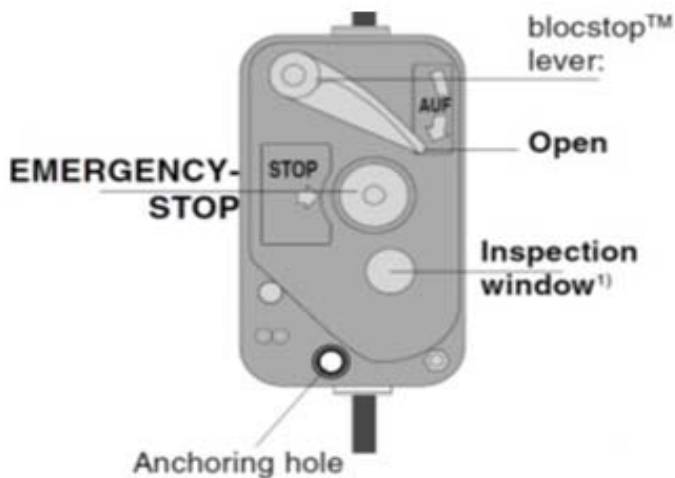


Figure 1 - General View Blocstop fall arrest device

Description (see figure 2 for component numbers)

The Blocstop fall arrest device continuously monitors the wire rope (1) speed through a centrifugal device (2). To monitor the wire rope speed, a roller system is used to transform the linear speed into rotational speed. The wire rope (1) is pushed by a pressure roller (3) against a driving roller (4) which is mechanically linked to the centrifugal device (2). When an overspeed condition is met the centrifugal device (2) triggers activating the clamping jaws (6) which locks onto the wire rope (1). The centrifugal device rotation is visible through the inspection window shown on figure 1 making possible to easily check that the system is working. In case of failure of the roller system (pressure or driving roller) the centrifugal device (2) would stop rotating showing a defective unit.

It has now been detected that the pressure roller (3) might worn out completely with material removed out of its shaft. In such a case, if the driving roller (4) is in good condition and the shaft of the pressure roller (3) is still applying some force to the wire rope (1), the wire rope (1) may still cause the driving roller (4) to turn and consequently the centrifugal device too. However the centrifugal device (2) may not trigger and consequently failing to perform its function but it would not be possible to detect it by looking through the inspection window.

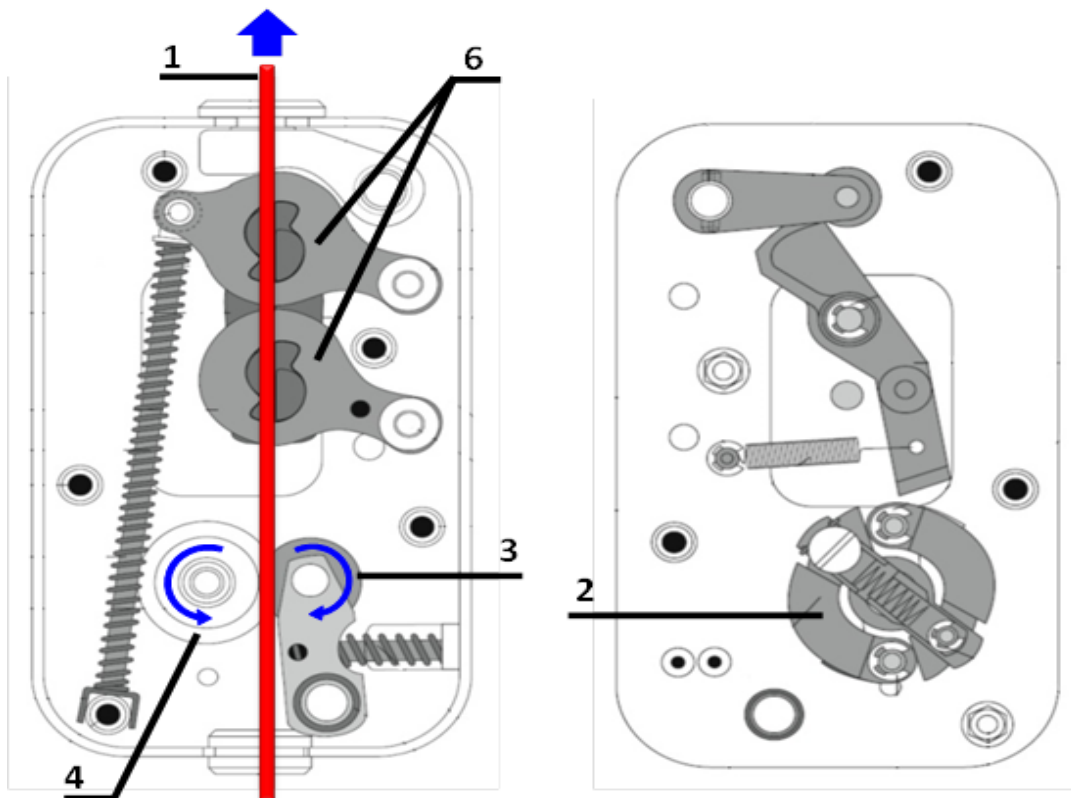


Figure 2 – Sketch Internal components Blocstop fall arrest device

Corrective Action:

Manufacturer guides following: Before using service lift, open BLOCSTOP with the lever and press STOP button. The lever should spring into the "Closed" position. The BLOCSTOP should close automatically. It must not be possible to pull the safety wire upwards. Further previous step, open BLOCSTOP again by pressing the lever down and jerk the wire rope upwards. The BLOCSTOP should close automatically and the safety rope can not be pulled upwards any more.

However, investigations has revealed that above guides can't ensure condition and reliability of the rollers in a subsequent emergency where the Blocstop is intended to lock on the wire.

Based on existing guides from Manufacturer and findings we therefore ground all Avanti lift.
All Avanti Installations with the BSO's mentioned above is until further notice grounded by this safety
Alert.

Alert issued by:	Ole Jensen	Sign.:	OJ
Approved by:	Christopher Balle	Sign.:	CBA