

# ARBOGA - DARENTH

## OPERATING INSTRUCTIONS FOR BAR END SEPARATOR TYPE SB

Manufacturing No.: 1014 - 196 .....

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### ARBOGA-DARENTH AB

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## Contents

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Guarantee .....	2
Description .....	3
Maintenance .....	3
Adjustment of the centrifugal weights .....	3
Lubrication .....	4
Trouble-shooting .....	4
Spare parts list .....	5
Drawing .....	6

## Guarantee

All products from ARBOGA-DARENTH are guaranteed free from any fault in material and labour during a period of one year. One year consists of 365 calendar days or 1800 hours whichever ever occurs first. The guarantee period for our products starts the day the equipment is sent to the client and continues during one year as earlier described. This is due if our maintenance and control recommendations are followed.

The guarantee is not valid for incorrect erection, misuse, incorrect maintenance or if maintenance is not made due to our recommendations and accepted industry practice.

During the guarantee period and after written notice to us, we guarantee that all parts manufactured in our plant which are faulty regarding material or labour shall be replaced. We give no further guarantee either written or verbal for costs except material and man labour.

This guarantee or other guarantees from us do not cover:

1. Damage after the guarantee period is ended.
2. Damage caused by chemical reactions or wear due to the detail has been submitted to external influences.
3. Equipment damaged at delivery or by accidents.
4. Damage through misuse, incorrect use or feeding of the centrifuge or if recommended maintenance is not followed.
5. Damage to equipment which have been repaired or changed by others than by the one who has been acknowledged as our sole representative.
6. Wear parts

## Description

The bar end separator is mounted under the outlet of the conveyor to separate short swarf from bushy swarf and bar ends.

The motor oscillates the screen so that bushy swarf and bar ends are sorted out for preventing damage to the centrifuge.

The short swarf is discharged through the screen and falls down into the centrifuge.

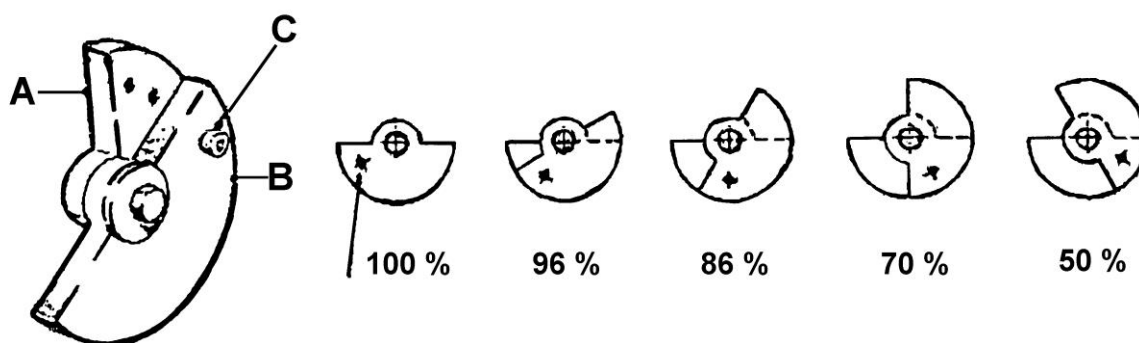
The vibration strength and the inclination are to be adjusted depending on swarf type.

## Maintenance

Inspect screws for mounting the vibrator frequently and re-tighten them if necessary. This applies particularly shortly after initial operation. The screw connections are inclined to settle during the first few hours of operation. For this reason, they should be checked for firm fitting after about one or two hours of operation. Experience has shown that the connections are permanently secure in operation after that.

## Adjustment of the centrifugal weights

Remove both protective covers. Loosen off and withdraw the eccentric weights adjustment screw (C). Turn the movable weight (B) to the desired position and tighten up the adjustment screw once more, having first made certain to relocate the flexible washers. It is imperative that adjustment to the weights be made in exactly the same way at either end of the vibrator i.e. to the same degree and in the same direction.



## Lubrication

For those vibrators requiring grease-lubrication, greasing should be carried out approx. every 1500 working hours.

Where no greasing programme is envisaged, total replacement of grease is recommended every 4500 working hours approximately. Bearings, once dismantled, should be cleaned thoroughly and repacked with grease to no more than 1/3 of capacity.

We recommend the following grease:

- ◆ STABURAGS NBU 12                      for normal applications
- ◆ ISOFLEX NBU 15                        for high-speed applications

or similar.

**NOTE!** Do not mix different types of grease. Never overgrease and grease only at intervals recommende. Excess grease will cause bearings to overheat.

## Trouble-shooting

Problem	Cause	Measure
Swarf is not feed	To bad oscillating or to small inclination	Adjust the ocsillating strenght or the inclination
The vibration motor does not start	Electrical failure	Control supply wire, then the thermal protection of the motor
Swarf stays on the screen	Screen is clogged with swarf	Clean the screen
Bad ocsillating	Vibration damper worn	Change vibration damper

## Spare parts list

<b>Pos</b>	<b>Article No.</b>	<b>Denomination</b>
1	902410	Body
2		Screen
3	97031000615	Screw
4	970320106	Locking nut
5	902430	Attachment
6	97031001020	Screw
7	970603	Vibration damper
8	970604	Vibration damper
9	902440	Attachment plate
10	902460	Hanging beam
11	902450	Adjustment screw
12	970320012	Nut
13	942403	Plastic washer
14	942404	Pin, lower
15	942405	Pin, upper
16	971006	Pressure spring
17	96704	Vibration motor
18	9703110010100	Screw
19	970330010	Washer
20	970716	Cheese rubber cloth
21	970832	Hose clamp

# Drawing

