

9.2. Servicing- / Inspection plan

Tab. 14: Servicing plan

Servicing- / inspection plan	Machine description:	Operation: Cost centre:
	Manufacturer:	Device No.: Serial No.: Location:

Index No.	Tab. A-No.	Work to be performed	Measuring and testing equipment, Operating equipment and auxiliaries	Frequency or interval	Work completed, by	Date / Operating hours	Comments
1.	16	Gearbox	Observe manufacturer's instructions	Every 250 hours.			spare part
1.1	17	Housing				h	
1.1.1		Search for leaks					
1.1.2		Check oil level, fill up					
1.1.3		Check smooth running					
1.1.4		Check temperature					
1.2	10	Shaft/axis					
1.2.1		Check smooth running					
1.2.2		Check for deformation					
1.2.3		Check for wear					
1.3	13	Seal					
1.3.1		Check seal					
1.3.2		Remove soiling					
1.4	33	Attachment	Correct position for adjusting clutch (1.5) if necessary.				spare part
1.4.1		Check fastening					
1.4.2		Check bolts					
1.4.3		Check for damage					
1.4.4		Check adjustment					

Index No.	Tab. A-No.	Work to be performed	Measuring and testing equipment, Operating equipment and auxiliaries	Frequency or interval	Work completed, by	Date / Operating hours	Comments
1.5	18	Clutch (mech.)	Adjust to correct setting according to manufacturer's information.				Wear part
1.5.1		Check for damage					
1.5.2		Check fastening					
1.5.3		Check adjustment					
1.5.4		Check function					
1.5.5		Check smooth running					
1.5.6		Check clearance					
1.5.7		Check for wear					
1.6	19	Connection (clamping)	Check clamping connection, retighten motor/ (torque: 35Nm) Check displacement	Every 1000 hours			
1.6.1		Check for damage					
1.6.2		Check function					
1.6.3		Check tension					
1.6.4		Check for deformation					
1.6.5		Check for completeness					
2.	15	Motor	Observe manufacturer's instructions	Every 250 hours		h	Spare part
2.1	17	Housing					
2.1.1		Check fastening					
2.1.2		Check for damage					
2.1.3		Check smooth running					
2.1.4		Check temperature					
2.1.5		Remove soiling		Once per day			
2.2	6	Fan wheel		Every 250 hour			
2.2.1		Check for damage					
2.2.2		Check smooth running					
2.2.3		Remove soiling					
2.3	28	Connection box					
2.3.1		Check seal					
2.3.2		Check for corrosion					

Index No.	Tab. A-No.	Work to be performed	Measuring and testing equipment, Operating equipment and auxiliaries	Frequency or interval	Work completed, by	Date / Operating hours	Comments
3.	9	Crankshaft	Max. +/- 0,5mm	Every 250 hours			Spare part
3.1	10	Shaft				h	
3.1.1		Check revolving motion					
3.1.2		Check for deformation					
3.2	12	Roller bearing/eccentric	Observe manufacturer's instruction, replace bearing if necessary	Once a day			Wear part
3.2.1		Check fastening	Max. 75°C				
3.2.2		Check smooth running					
3.2.3		Check bearing clearance					
3.2.4		Check seat					
3.2.5		Check clearance					
3.2.6		Check temperature					
3.2.7		Remove soiling					
3.2.8		Check greasing					Fill up greasing
3.2.9	14	Check greasing nipple					
3.2.10	13	Check sealing	Replace if necessary				
3.3	22	Connection (clamping)	Check and tighten up clamping connection and check/retighten eccentric bearing	Every 1000 hours			
3.3.1		Check for damage	(torque: 28Nm)				
3.3.2		Check function					
3.3.3		Check tension					
3.3.4		Check for deformation					
3.3.5		Check for completeness					
3.4	27	Bolt	Check tightening torque	Every 250 hours			
3.4.1		Check for damage					
3.4.2		Check connection					
3.5	20	Cover					
3.5.1		Check for damage					
3.5.2		Check function					
3.5.3		Check for deformation					
3.5.4		Remove soiling					
3.5.5		Check for completeness					

25.06.2018

Index No.	Tab. A-No.	Work to be performed	Measuring and testing equipment, Operating equipment and auxiliaries	Frequency or interval	Work completed, by	Date / Operating hours	Comments
3.6	2	Metal-rubber-element	Radial movement at slow speed max. +/- 1,00mm				Small part
3.6.1		Check for damage					
3.6.2		Check function					
3.6.3		Check seat					
3.6.4		Check for deformation					
4.	5	Conveyor element (Paddle)		Once a day			Spare part
4.1	27	Bolts	Check torque			h	Small part
4.1.1		Check for damage					
4.1.2		Check connection					
4.2	20	Cover					Spare part
4.2.1		Check for damage					
4.2.2		Check function					
4.2.3		Check for deformation					
4.2.4		Remove soiling					
4.3	24	Rubber-element					Wear part
4.3.1		Check fastening					
4.3.2		Check for damage					
4.3.3		Check for wear					
4.3.4		Remove soiling					
4.4	5	Conveyor element (carrier)					Wear part
4.4.1		Check for damage					
4.4.2		Check fastening					
4.4.3		Check function					
4.4.4		Remove soiling					
4.4.5		Check for deformation					
5	1	Frame		every 250 hours			
5.1	23	Connection non-removable				h	
5.1.1		Check for damage					
5.1.2		Check function					
5.1.3		Check for corrosion					
5.1.4		Check for deformation					
5.1.5		Remove soiling					

Index No.	Tab. A-No.	Work to be performed	Measuring and testing equipment, Operating equipment and auxiliaries	Frequency or interval	Work completed, by	Date / Operating hours	Comments	
5.2	17	Housing						
5.2.1	33	Check mountings					Small part	
5.2.2	4	Check locking					Small part	
5.2.3	25	Check stop					Small part	
5.3	20	Cover					Spare part	
5.3.1		Check for damage						
5.3.2		Check for corrosion						
5.3.3		Check for deformation						
5.3.4		Remove soiling						
5.4	32	Protection device					Spare part	
5.4.1		Check for damage						
5.4.2		Check function						
5.4.3		Remove soiling						
5.4.4		Check for complete-ness						
5.5	3	Flap					Spare part	
5.5.1		Check fastening						
5.5.2		Check adjustment						
5.5.3		Check corrosion						
5.5.4		Check for deformation						
5.5.5		Remove soiling						
5.5.6		Check for complete-ness						

Machine	Operation
---------	-----------

[illegible]

Index No.	Tab. A-No.	Components / assemblies	Failures / Malfunctions / Damage according to operating manual table A	Date of determination	Work completed, by	Date / Operating hours / Duration of repair work	Comments
Deviations from the setpoints / operating conditions must be corrected without delay. Reproduction of this protocol is expressly permitted.							

Eccentric bearing BSH and BSW series

- Regreasing must be carried out at the latest every 250 hours of operation. Greasing interval and grease quantity look at table 11 on page 134.
- Hand pump: 1 stroker = ca. 1g.

Overview number of greasing points:

Tab. 9: Number of greasing points BSH/BSW

BSH/BSW 40	BSH/BSW 45	BSH/BSW 60	BSH/BSW 90	BSH/BSW 120
18	18	24	36	48

Eccentric bearing BSV series (double bearings)

- Lubrication in the BSV version has to be carried out at the latest every 100 operating hours. For greasing interval and grease quantity look at table 11 on page 134.
- Hand pump: 1 stroke = ca. 1g.

Overview number of greasing points:

Tab. 10: Number of greasing points BSV

BSV 40	BSV 45	BSV 60
38	38	50

Content

Safety

Characteristics

Operation

Transport

Maintenance

Failures

Technical data

Service

Appendix

Index

5.3.6.1 Optional: Central hand greasing

A centralized hand greasing is available as an option to make maintenance easier.

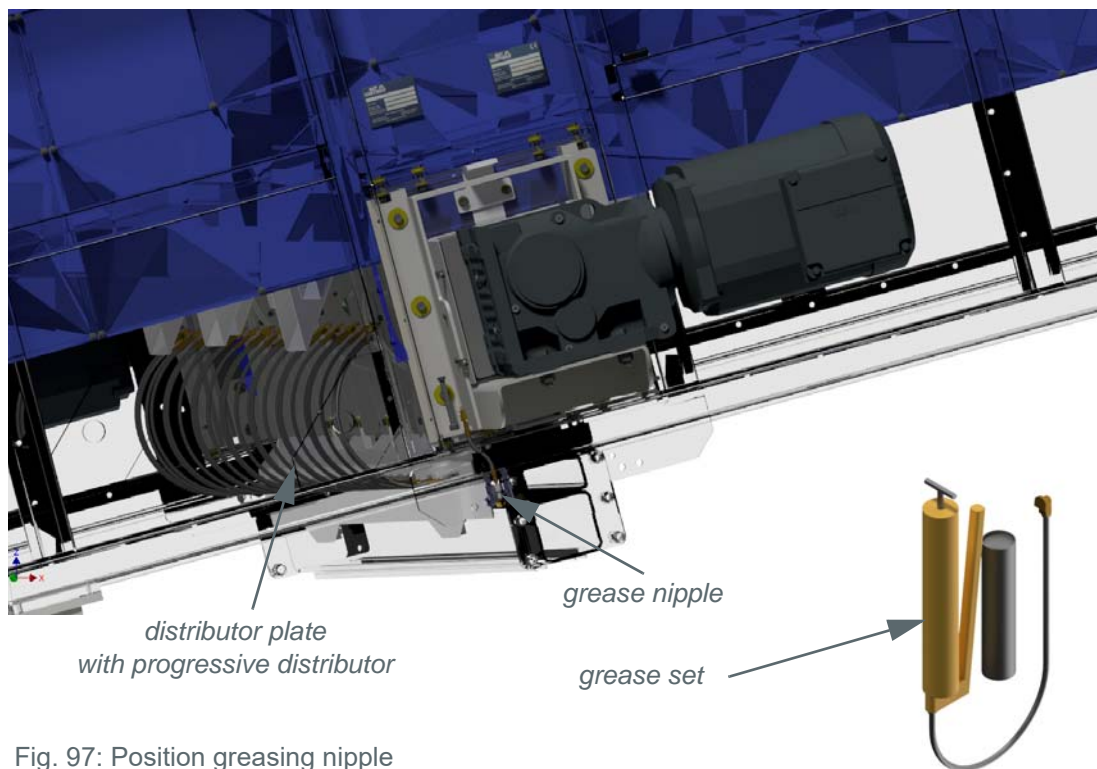


Fig. 97: Position greasing nipple

For each eccentric shaft, all greasing points are connected to a grease nipple by means of a progressive distributor.

Please see greasing intervals at table 11 on page 134.

Tab. 11: Greasing intervals per eccentric bearing

Version	Number of eccentric bearings	Grease quantity	Grease interval
BSH/BSW 40/45	6	300 gram	every 250 hours
BSH/BSW 60	8	400 gram	every 250 hours
BSH/BSW 90	12	600 gram	every 250 hours
BSH/BSW 120	16	800 gram	every 250 hours
BSV 40/45	6	150 gram	every 100 hours
BSV 60	8	200 gram	every 100 hours

5.3.6.2 Optional: automatic central greasing

An automatic central greasing is available as an option to make maintenance easier.

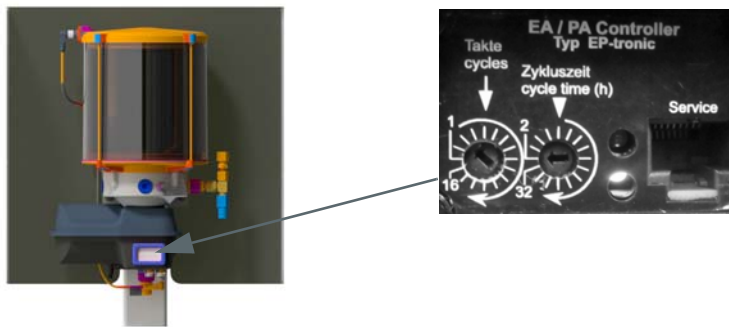


Fig. 98: Central greasing pump and control grease pump

In this version, all greasing points are automatically supplied with grease by means of an electrical central greasing pump and progressive distributor.

See also: Operating instructions central grease pump in appendix.

The central grease pump has an internal control with two variable parameters (look at.: 98 on page 135).

1. cycle time: after how many operating hours a greasing is to be carried out.
2. cycles: how many cycles are performed after the cycle time.

One cycle complies to a complete pass at the main progressive distributor, which is monitored by a proximity switch.

NOTE



The parameters are preset in the factory and may only be changed after consultation with Eggersmann.

Content

Safety

Characteristics

Operation

Transport

Maintenance

Failures

Technical data

Service

Appendix

Index

Content

Safety

Characteristics

Operation

Transport

Maintenance

Failures

Technical data

Service

Appendix

Index

distribution plate with secondary progressive distributor below the eccentric crankshaft

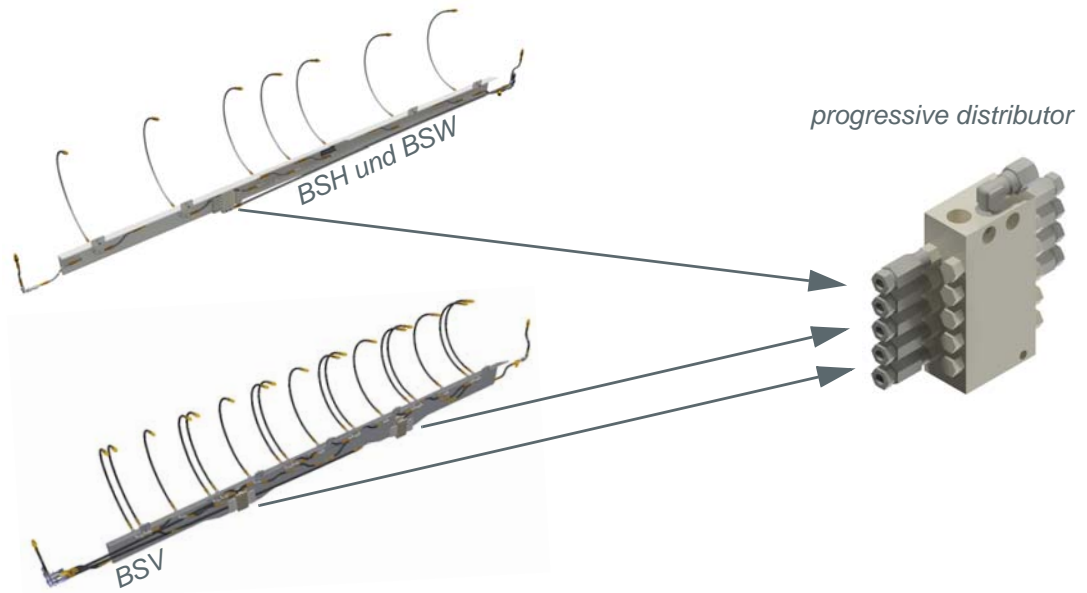


Fig. 99: Automatic central greasing



manual greasing button

Fig. 100: Manual greasing

For fault detection, the automatic central greasing system is equipped with an optical signal display (look at.: 101 on page 137) to recognize the status, or in the event of a fault, the error message. In addition, the signals in the control panel are indicated by a red and green LED.

Care must be taken to refill the grease reservoir in time. In order to prevent complete emptying, the pump is equipped with a level sensor. The lowering of the min. level is indicated by the signal display.



Fig. 101: Signal display

Content

Safety

Characteristics

Operation

Transport

Maintenance

Failures

Technical data

Service

Appendix

Index