8 Assembly

- Check the element for any damages before assembly.
- The element may only be used in conjunction with linear rail carriages.
- The mounting face of the element has to be completely covered with the connection.
- Make sure the connection structure is sufficiently rigid.
- The element may be mounted at least with 2 screws.
- Use screws with a minimum 8.8 strength class (see http://www.zimmer-group.com/en/serviceinformation.html).
- The anti-torsion and teeth have to be atmospheric free over the entire cross section and prevent applied liquids (oil, grease, etc.) and chips.
- Suitable pneumatic connections have to be used.
- To ensure a short response time, choose the shortest possible hose length. Insert a quick exhaust valve, if necessary.
- The positioning of the adjusting screws is marked at the factory. Following the positioning of the adjusting screws is not permitted.

8.1 Assembly procedure

If the fastening screws are tightened when the element is not clamped, the element can shift and therefore be unable to achieve the optimum clamping force! Furthermore, the guide rail could become damaged.

1. Remove sealing plugs.
2. Apply pneumatic connection M5 or G 1/8" to connection A (the pneumatic connection can be connected to either side). The unused A connection has to be closed off with a sealing plug.
3. Connect pneumatic element by pressurizing the A connection properly with compressed air to loosen and remove the transport locks.
4. When using screws, unscrew the fixing screws (depending on size, 2 or 4 on each side).
5. Push the element past the end of the guide rail.
6. If necessary, insert the PMD adapter plate between the element and the connection structure.
7. Manually screw the assembly screws into the thread hole. Note the minimum screw-in depth of 0.5 x d.
8. The element enters itself through multiple cycles (at least 20 times open and close within 5s).
9. Switch the element into deenergized state and clamp. Tighten the mounting screws with the specified tightening torque (see Technical Data table).
10. The pressurized element are checked for leaks by looking/listening.
11. All mounting screws are checked for the specified tightening torque (see Technical Data table).
12. The pressure tightness of the pressure reference is checked.
13. The clamping process is checked by manually moving the connection structure.

9 Maintenance

NOTE:

- The filters of the quick exhaust valve and the ventilation coupling may not be clogged by contaminations.
- The maintenance comprises cleaning and replacement of any worn parts. The assembly, commissioning, repair and testing may only be undertaken by the manufacturer or their authorized agents.
- The element comes equipped with a safety lock. Only fully trained personnel may remove the safety lock.
- The element is mounted on a linear guide rail other than what the manufacturer has specified.
- Use the correct tightening torque (see Technical Data table).
- The element is only to be used in conjunction with linear rail carriages.
- Any damage to the contact surface of the rail will be prevented by the pairing of rail and contact surface.
- The position and tightening of the adjusting screws is marked at the factory. Following the positioning of the adjusting screws is not permitted.

10 Technical Data

INFORMATION:

- The technical data can be found on our homepage www.zimmer-group.com/en/bd .
- If you have any further questions about the product or the technical data, please contact the customer Service of Zimmer Group. Our technical hotline +49 7844 9138-5556 is available for this.
- The displacement resistance for the element of the MBPS is 100 N for with spring 150 N.

11 Troubleshooting

INFORMATION:

- For an exact and detailed overview of possible malfunctions and their remedies, please visit our website www.zimmer-group.com/en/lt-faq.
- Should these measures not lead to success, please contact the customer service of ZIMMER GmbH. For this purpose our technical hotline +49 7844 9138-5556 is available.

12 Transport and Storage

The element is to be transported and stored only in the packaging supplied by ZIMMER GmbH. If the element is stored differently or transported, it must be provided with corrosion protection to prevent any corrosion.

13 Declaration of conformity

In terms of the EC Directive 2006/42/EC on Machinery (appendix II A)

Authorized representative for compiling the relevant documents:

Michael Krueger
see manufacturer’s address
Rheinau, 30.06.2014

For an exact and detailed overview of possible malfunctions and their remedies, please visit our website www.zimmer-group.com/en/lt-faq.

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Name and Address of the manufacturer: ZIMMER GmbH • Im Salmenkopf 5 • D-77866 Rheinau • Tel.: +49 (0)7844 9138 0 • Fax.: +49 (0)7844 9138 80 • www.zimmer-group.de

We hereby declare that the incomplete machines described below

- The displacement resistance for the element of the MBPS is 100 N (with spring 150 N).

11 Troubleshooting

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