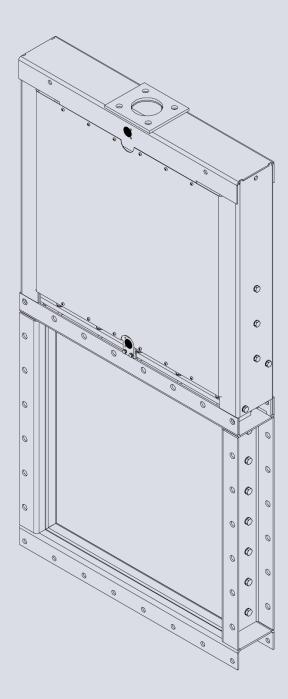
Maintenance instruction

Knife gate valve RKS with resilient sealing

Size range: 200 x 200 - 1000 x 1000

Knife gate valve RKS with metal brass sealing

Size range: 200 x 200 - 1000 x 1000





1. Introduction

This maintenance instruction is a step-by-step instruction for maintenance of

A. RKS knife gate valve with resilient sealing.

Size range: 200 x 200 - 1000 x 1000.

B. RKS knife gate valve with metal brass sealing

Size range: 200 x 200 - 1000 x 1000.

In this instruction notes and warnings are marked with symbols:

XXXXX	Danger / Warning Points out a dangerous situation which may cause personal injuries or death.
!	Advice Has to be respected.
(1)	Information Information useful to follow.

If these notes and warnings are not respected by the user, dangerous situations may occur and may invalidate the warranty.

2. Spare parts

Each Stafsjö knife gate valve is identified with a label containing the valve item number and its serial number. When corresponding with Stafsjö or our local sales partner, please have this available to make sure you order and receive correct spare parts.

Stafsjö recommends the customer to keep one set of "basic" spare part kit for each valve type and size on stock. Spare parts can be ordered from Stafsjö or our local sales partners.

3. Disassembling of valve parts

 Steps and procedures described in this section are based on a valve which is not installed in a pipe system.



- Follow procedure described in installation and service instruction for the knife gate valve and its actuator.
- Maintenance shall be performed by qualified personnel. Qualified are those persons who, due to experience, can judge the risk and execute the work correctly and who are able to detect and to eliminate possible risks.
- Always consider the application of the valve and carefully prepare relevant personal safety equipment before starting any maintenance.



 Always have the knife gate valve's article and serial number available to ensure you order correct spare parts to your valve.

To simplify the disassembling of the knife gate valve, place the valve on a horizontal work bench.

- 1. Disconnect the air/hydraulic/power supply. Follow procedure described in installation and service instruction for the knife gate valve and its actuator.
- 2. Disconnect the actuator and topworks.
- 3. Disconnect the gland.
- 4. Remove stuffing box braids and its scrapers (if any).
- 5. Remove the gate.
- 6. Inspect the gate for any damages. Dents and scratches will affect its ability to seal tight.
- 7. Remove the seat.
- 8. Remove the worn-out rollers.
- 9. Clean the inside of knife gate valve carefully, especially all sealing surfaces.



• Recycle worn out parts to extent possible.

A. RKS knife gate valve with resilient sealing.

Size range: 200x200 - 1000 x 1000.

Pos	Part	Spares		
1	Plug			
2	Top frame			
3	Screw			
4	Nut			
5	Washer			
6	Gland			21)
7	Stud bolt			(17) (18) (19) (5)
8	Box packing braid			
9	Gate			
10	Nut			
11	Washer			(16)
12	Washer			(15)
13	Screw			
14	Seat			(14)
15	Washer			
16	Screw			(12)
17	Roller			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
18	Roler bushing			
19	Roler support			1/2/1/200 04/2/200 04/2/200
20	Valve body frame			
21	Gate guides			
22	Washer			
1) Gate	guards are also recommended on remo	te opera	ated v	valves.

Spare part kits

- Complete
- Essential
- Basic

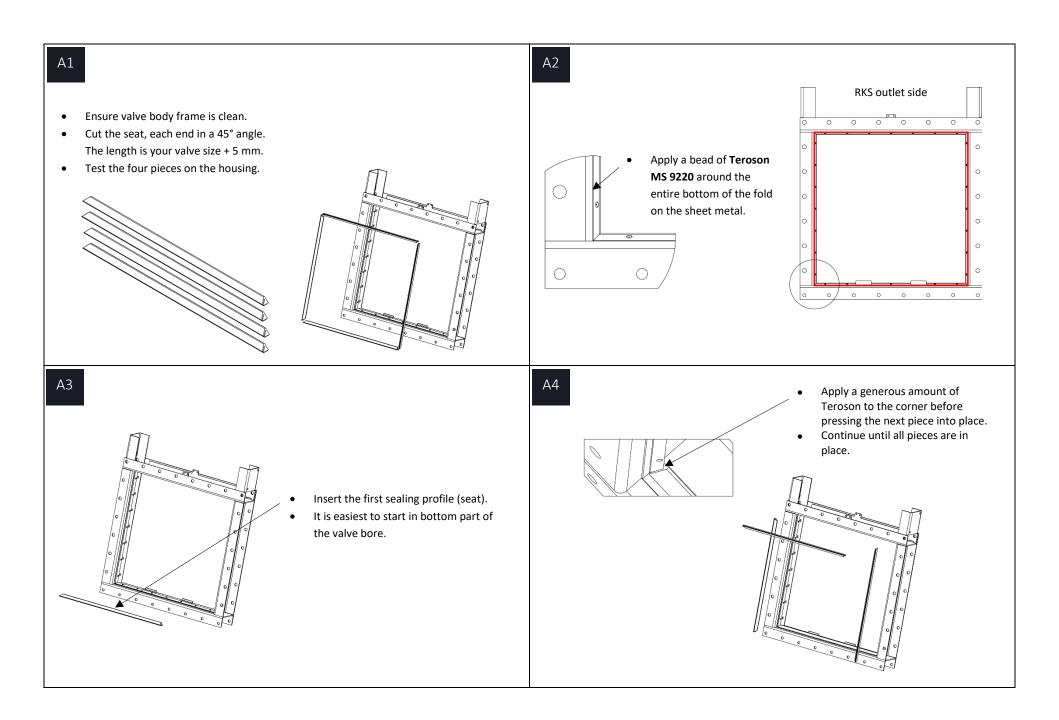
Each valve is marked with a label including the valve's article and serial number. With this info we can ensure you receive correct spare parts to your valve.

Request offer on spare parts at stafsjo.com/support/original-spare-parts/

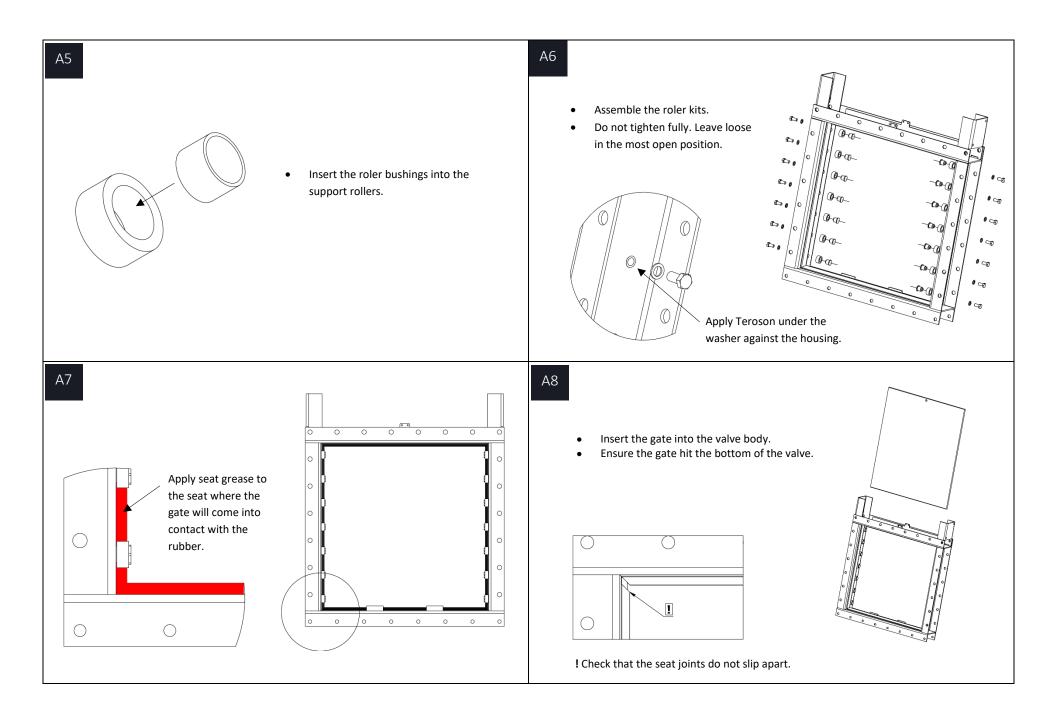


- Always consider the application of the valve and carefully prepare relevant personal safety equipment before starting any valve assembly.
- Valve assembly shall be performed by qualified personal. Qualified are those persons who, due to experience, can judge the risk and execute the work correctly and who are able to detect and to eliminate possible risks.

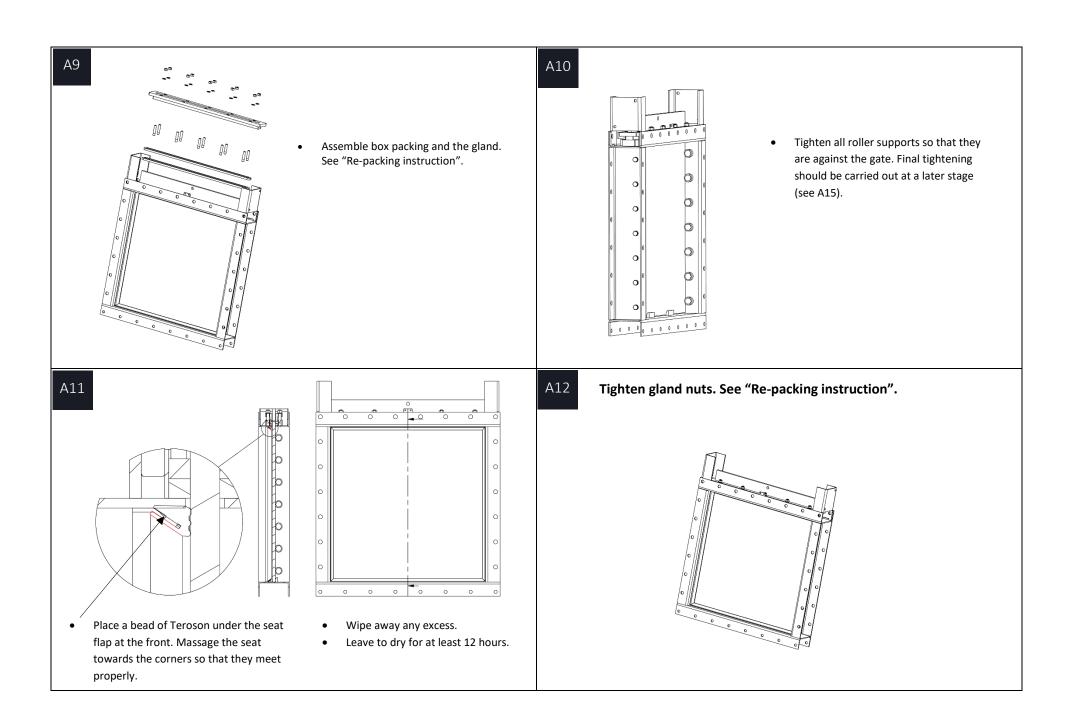
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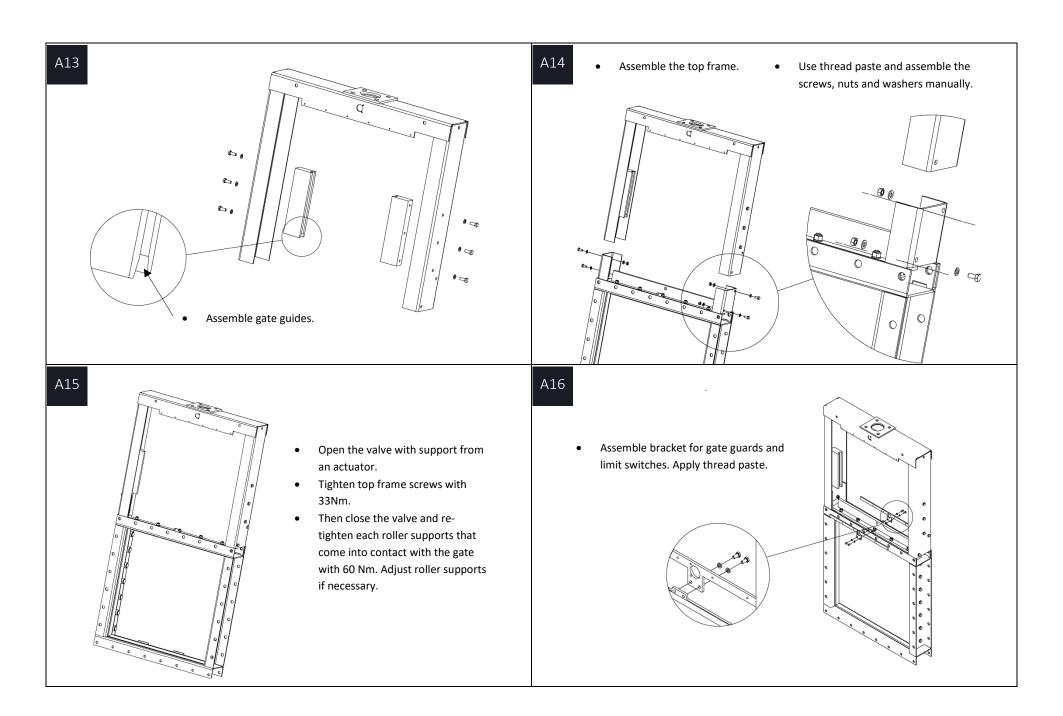
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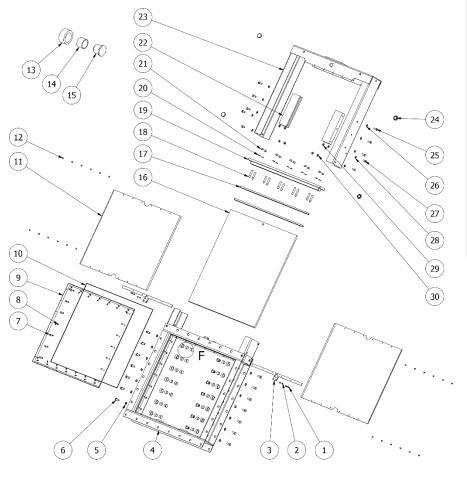
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A17 A18 Assemble black plugs if no sensors Assemble the gate guards if the valve is intended to be remote are installed. operated. A16 A16 Final checks Open/close the valve three times. Well done! Leave the valve in full closed position. You are now ready to continue with Check that: assembly of actuator you intend to use on The seal is not stretched so that gaps the valve and automation equipment. appear in the corners during operation. Observe and respect relevant instructions. • The gate opens and closes smoothly and complete. The gate roller supports are in contact with the gate.

B. RKS knife gate valve with metal brass sealing.

Size range: 200x200 - 1000 x 1000.

Pos	Part	art Spares			
1	Screw				
2	Washer				
3	Bracket for gate guards/sensor				
4	Valve body frame				
5	Washer				
6	Screw				
7	Washer				
8	Screw				
9	Metal seat				
10	Teflon o-ring				
11	Gate guard				
12	Screw				
13	Roler				
14	Roler bushing				
15	Roler support				
16	Gate				
17	Box packing braid				
18	Stud bolt				
19	Gland				
20	Washer				
21	Locking nut				
22	Gate guide				
23	Top frame				
24	Plug				
25	Screw				
26	Washer				
27	Screw				
28	Washer				
29	Nut				
30	Washer				



Spare part kits

Complete

Basic

Essential

Each valve is marked with a label including

the valve's article and serial number. With this info we can ensure you receive

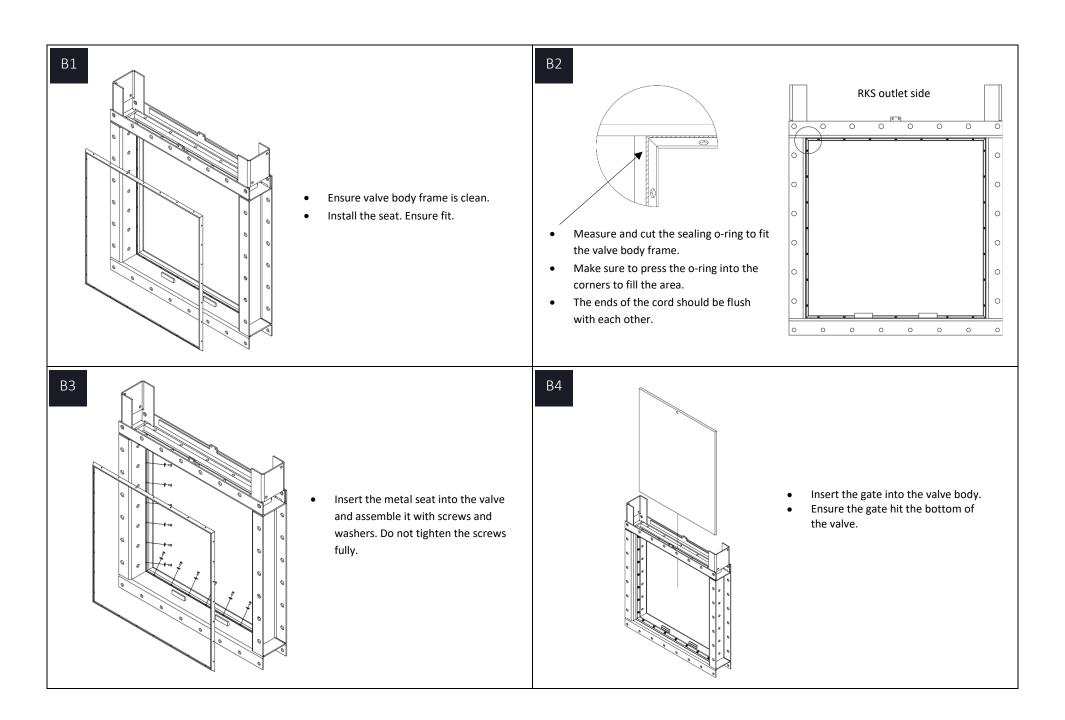
stafsjo.com/support/original-spare-parts/

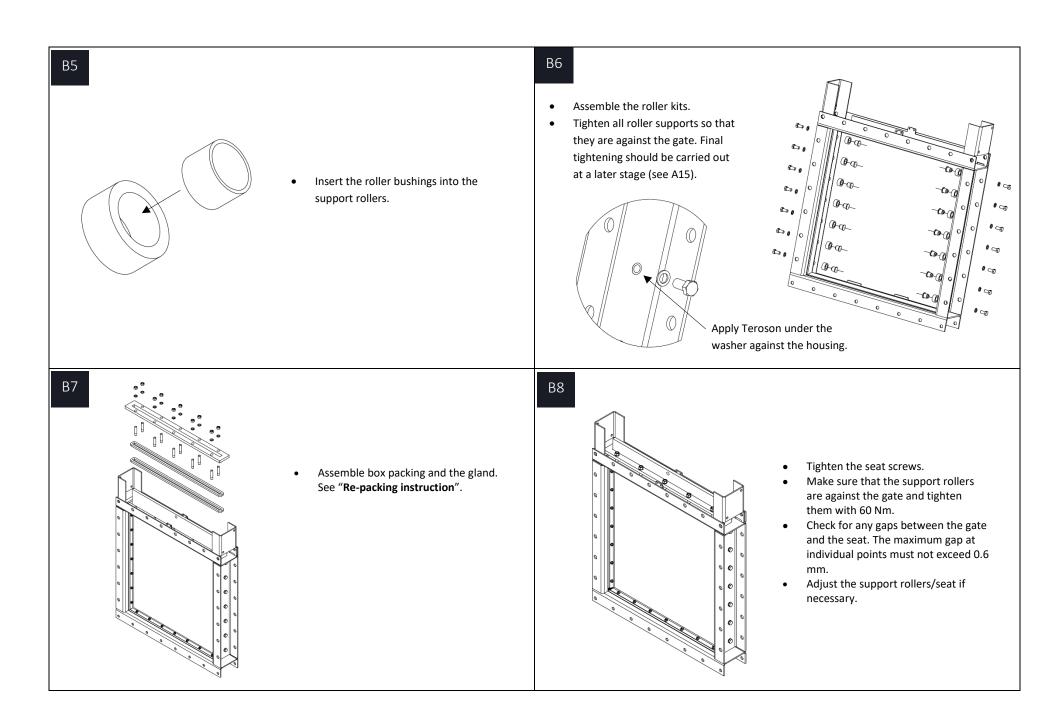
correct spare parts to your valve.

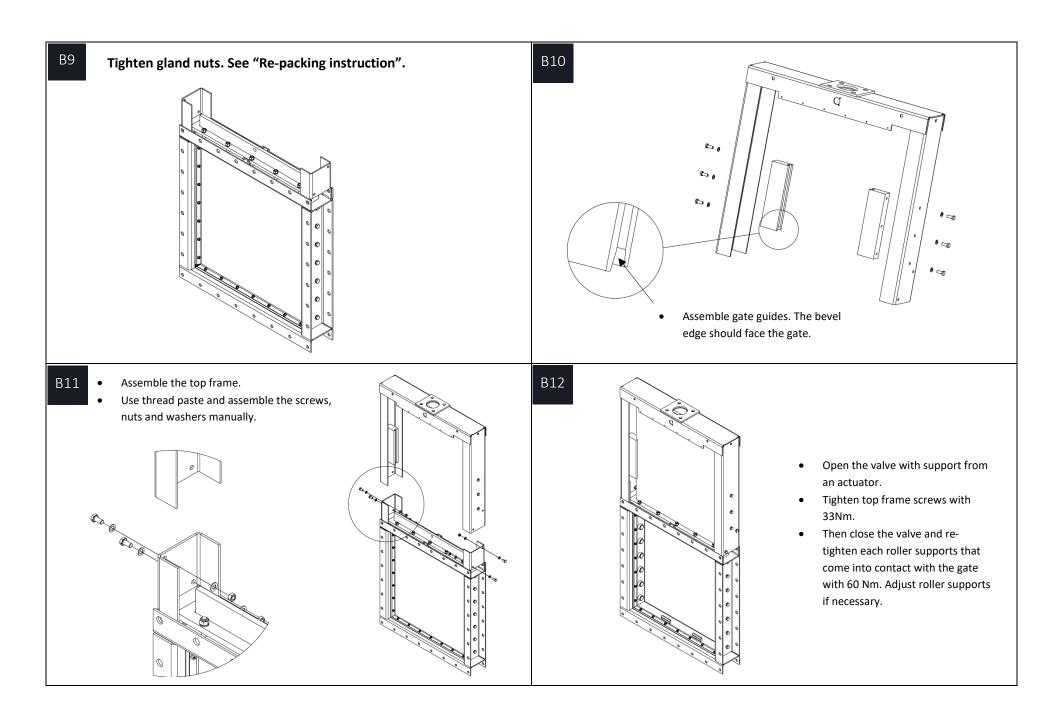
Request offer on spare parts at



- Always consider the application of the valve and carefully prepare relevant personal safety equipment before starting any valve assembly.
- Valve assembly shall be performed by qualified personal. Qualified are those persons who, due to experience, can judge the risk and execute the work correctly and who are able to detect and to eliminate possible risks.

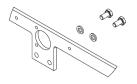


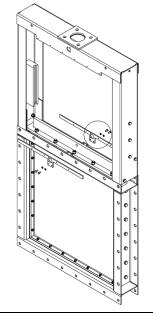




B13

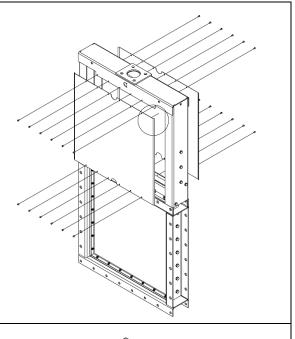
Assemble bracket for gate guards and limit switches if needed. Apply thread paste.





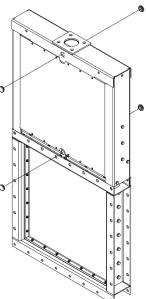
B14

 Assemble the gate guards if the valve is intended to be remote operated.



B15

Assemble black plugs if no sensors are installed.



B16

Final checks

- Open/close the valve three times.
- Leave the valve in full closed position.

Check that:

- The gate opens and closes smoothly and complete.
- Check for any gaps between the gate and the seat. The maximum gap at individual points must not exceed 0.6 mm.
- The gate roller supports are in contact with the gate. Adjust the support rollers/seat if necessary.

