3.2.4 VarioGuide (Version 2.0)

Illustration

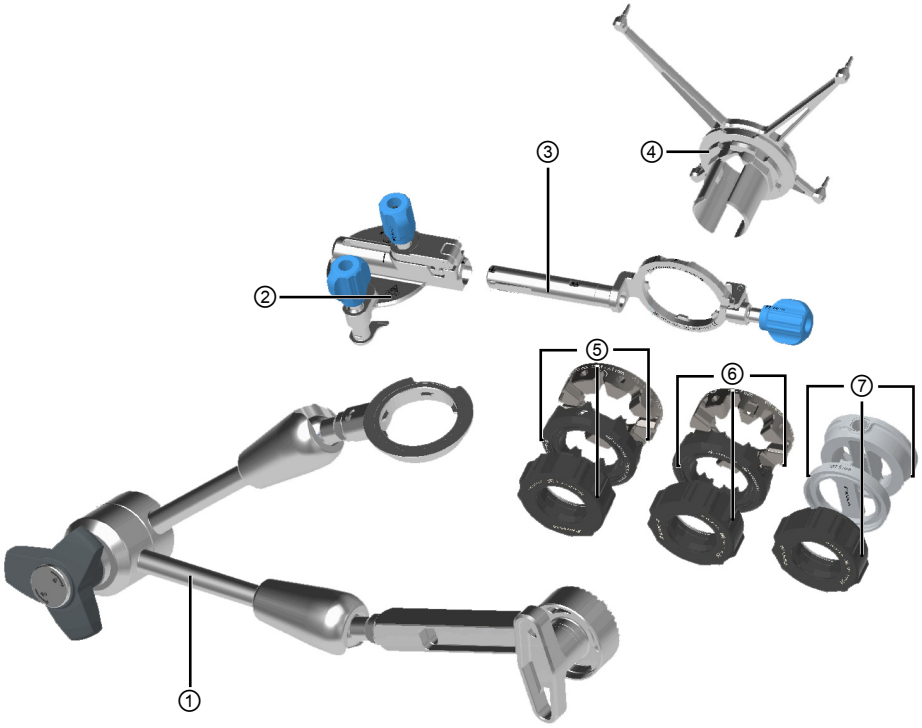


Figure 22

No.	UDI-DI	Article No.	Device Name	Trade Name(s)
①	04056481144159	55955-10	VarioGuide Joint Arm Kit	**VarioGuide Joint Arm Kit**
②	04056481144142	55955-20	VarioGuide Joint Disc	**VarioGuide Joint Disc**
③	04056481144135	55955-30	VarioGuide Joint Array Holder	**VarioGuide Joint Array Holder**
④	04056481144111	55955-41	VarioGuide Array 4-Marker	**VarioGuide Array 4-Marker**
⑤	04056481144074	55956-11	VarioGuide Disc Set 1.8 mm to 4.0 mm	**VarioGuide Disc Set 1.8 mm to 4.0 mm**
⑥	04056481144043	55956-21	VarioGuide Disc Set 4.0 mm to 8.0 mm	**VarioGuide Disc Set 4.0 mm to 8.0 mm**
⑦	04056481144012	55956-31	VarioGuide Disc Set Cranial Drill Kit	**VarioGuide Disc Set Cranial Drill Kit**

Components of the Medical Device

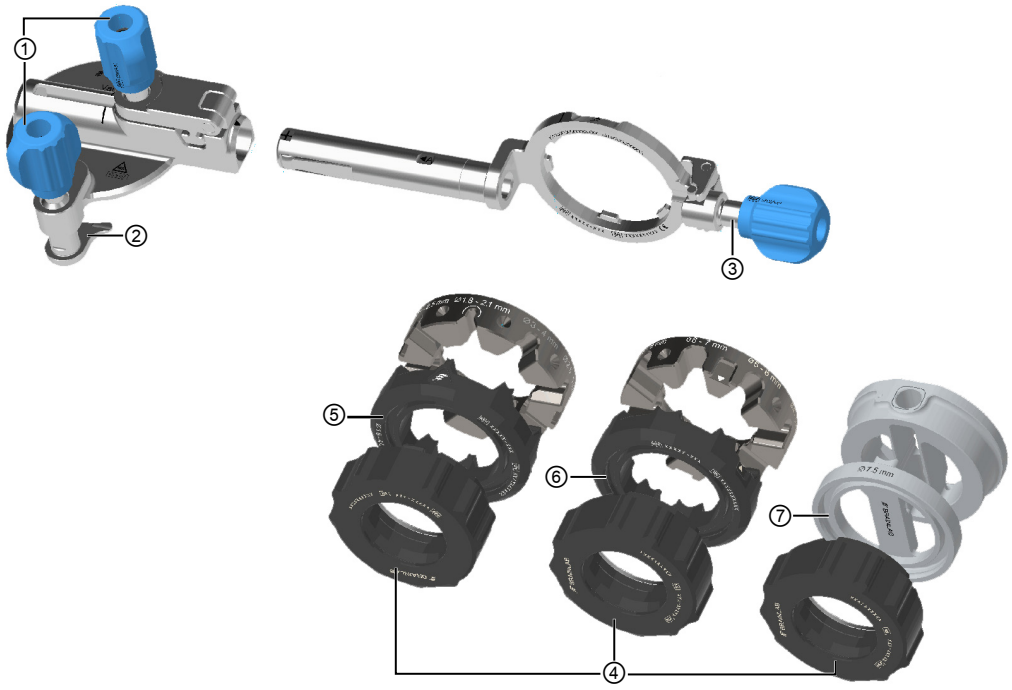


Figure 23

No.	Component Name
①	VarioGuide Spare Part Nut
②	VarioGuide Spare Part Brake Shoe Joint 1
③	VarioGuide Spare Part Brake Shoe Joint 3
④	VarioGuide Disc Nut
⑤	VarioGuide Disc Outer 1.8 mm to 4.0 mm
⑥	VarioGuide Disc Outer 4.0 mm to 8.0 mm
⑦	VarioGuide Disc Outer Cranial Drill Kit

Before Use

Warning

This product is delivered non sterile. Before the first and each subsequent use, the product must be cleaned in accordance with the cleaning instructions and checked for visible irregularities and functional defects. Equipment that is damaged or is not functioning perfectly must not be used and should be sent to Brainlab.

Warning

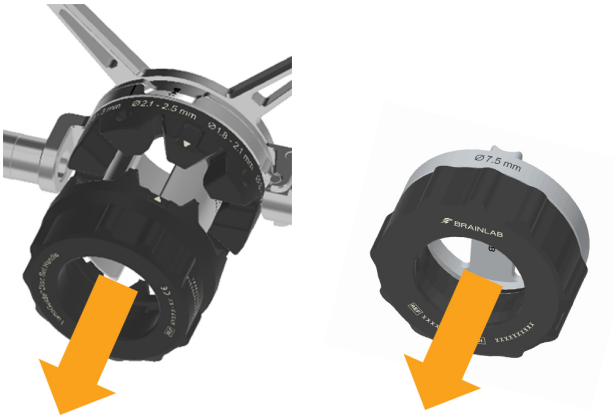
Before sterilization, loosen the central articulation and all the securing screws.

3.2.5 VarioGuide Disc Sets (55956-11, 55956-21 and 55956-31)

Overview

The following describes the reprocessing steps for the **VarioGuide Disc Sets**.

How to Disassemble the Disc Set

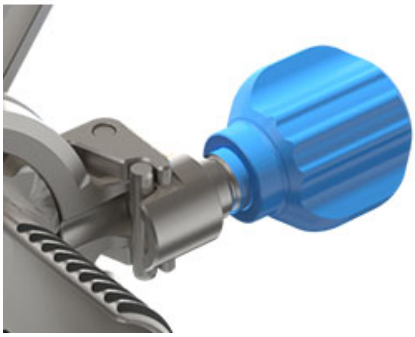
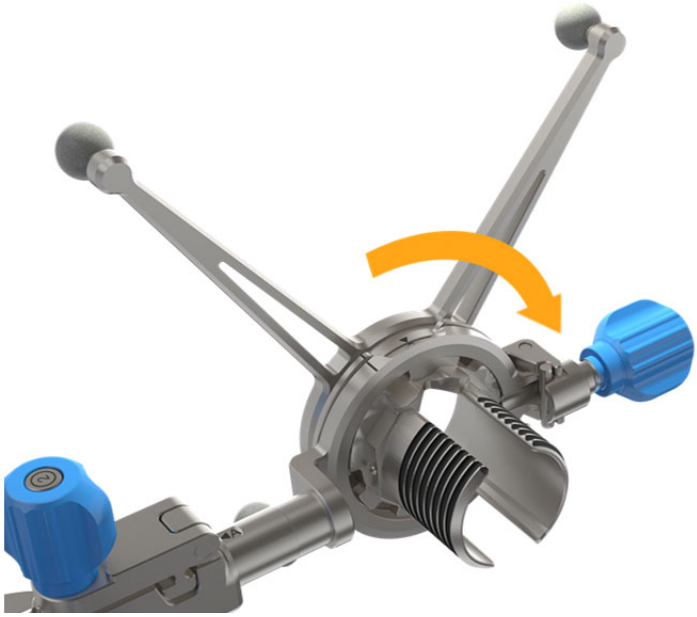
Step	
1.	 Unscrew the disc nut and remove it from the reference array with the outer discs.
2.	 Remove the inner disc by sliding it off.

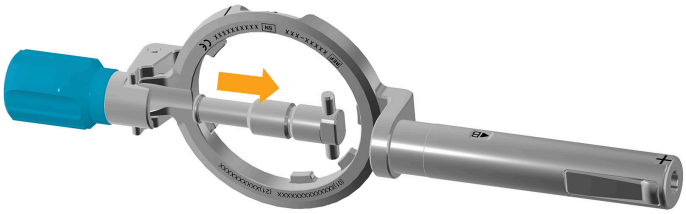
3.2.6 VarioGuide Array (55955-41) and Joints (55955-20 and 55955-30)

Overview

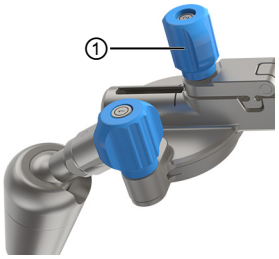
The following describes the processing steps for the VarioGuide array and the VarioGuide joints.

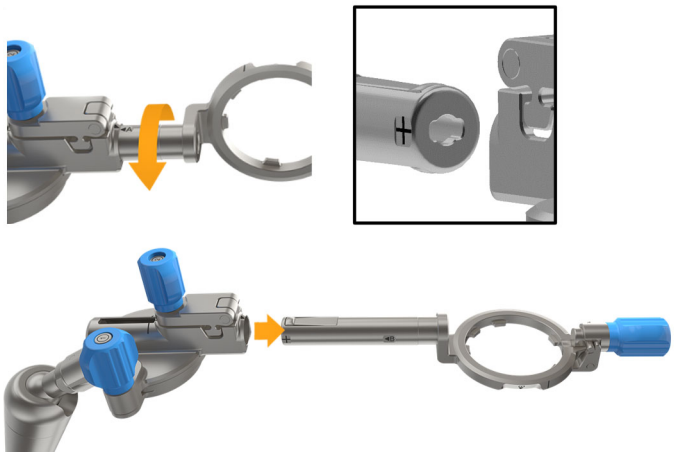
How to Disassemble the Reference Array

Step
1.  Loosen the joint nut until it moves freely on the VarioGuide Spare Part Brake Shoe Joint 3.
2.  Turn the reference array 90° to position it so that its cutout aligns with the joint 3 brake on the joint array holder.

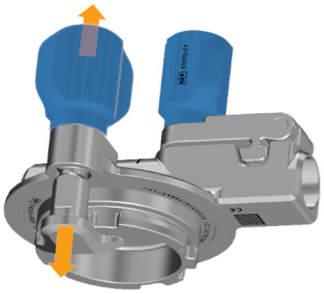
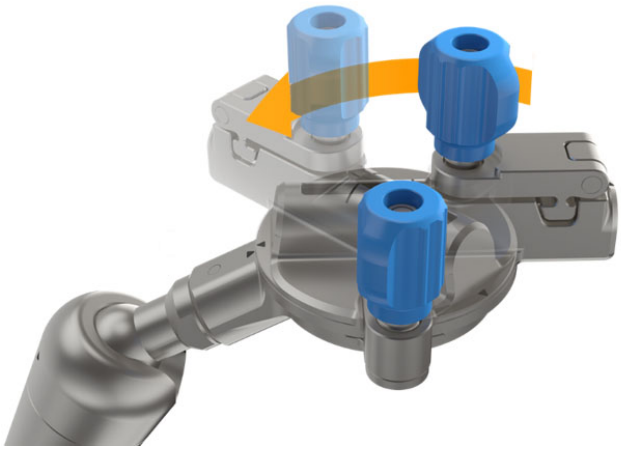
Step
3.  Remove the reference array from the joint array holder.
4.  *NOTE: For pre-cleaning and maintenance the joint nut can be removed using reasonable force and the VarioGuide Spare Part Brake Shoe Joint 3 can be removed towards the opening.*

How to Remove the Joint Array Holder from the Joint Disc

Step
1.  Loosen the joint 2 ① nut at the joint 2 brake. *NOTE: For pre-cleaning and maintenance the joint nut can be removed using reasonable force.*
2. Remove the joint array holder as far as it will go.

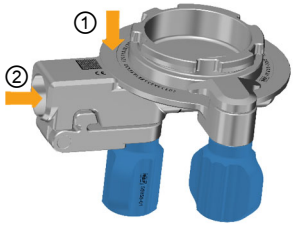
Step
3.  Turn the joint array holder 90° from its neutral position and pull it out of the joint disc.

How to Remove the Joint Disc from the Arm

Step
1.  Loosen the joint nut at the joint 1 brake until both components can move freely. *NOTE: For pre-cleaning and maintenance the joint nut can be removed using reasonable force in order to remove the joint 1 brake.*
2.  Turn the joint disc 180° so that the joint 1 brake aligns with the cutout on the joint 1 ring.

Step	
3.	 Remove the joint disc from joint 1 ring.

How to Process the Joints and Array

Step	
1.	Pretreatment.
2.	Place components into a cleaning tray (e.g., wire mesh medical tray).
3.	Automatic cleaning and disinfection.
4.	  Lubricate the following metal parts: a. The sliding face on the disk joint ① b. The Joint 2 sliding face through hole of the telescopic joint ② c. The sliding face on the joint array holder ③ *NOTE: Use one drop of Sterilit JG598 drip lubricator at each part to improve the instruments functionality.*
5.	Place components into the Sterilization Tray.
6.	Steam sterilization.

3.2.7 VarioGuide Arm Kit (55955-10)

Overview

The following describes the processing steps for the VarioGuide Arm Kit.

How to Process the Arm Kit

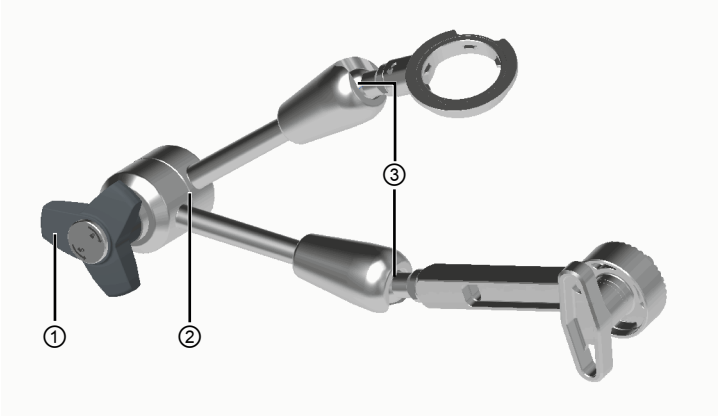


Figure 24

Step	
1.	Keep the central tension handle ① tightened during cleaning and disinfection so that the central joint ② and ball joints ③ cannot move. This protects the inner mechanism against liquids and contamination.
2.	Pretreat, ensuring the central joint ② and ball joints ③ are not immersed.
3.	Open up the central tension handle ① to ensure that the central joint ② and ball joints ③ can move.
4.	Move and rotate the central joint ② and ball joints ③.
5.	Check the central joint ② and ball joints ③ for residue. If residue is still visible, repeat steps 1-4.
6.	Close the central tension handle ①.
7.	Place components into a cleaning tray (e.g., wire mesh medical tray).
8.	Automatic cleaning and disinfection.
9.	Post-drying.
10.	Instrument usability check.
11.	Open the central tension handle ①.
12.	Place the arm kit into the appropriate sterilization tray
13.	Steam sterilization.
14.	Storage.

No flash sterilization.

NOTE: For reassembly instructions, see the Instrument User Guide.

Incompatible Solutions

- Organic/inorganic, or oxidizing acids (pH < 4)
- Strong alkalines (pH > 9)
- Solvents (such as alcohol, benzene, acetone)
- Chlorine, bromine, iodine
- Chlorine salts (in particular ammonium chloride compounds), chlorinated/halogenated hydrocarbons
- Oxidizing agents, peroxide, hypochlorite

To prevent damage to the device, do not use incompatible solutions.

Ingress of Fluids

Warning

As the inner construction of the instrument cannot be accessed, fluids or other materials must be prevented from entering. Critical entry points are ball joints and the central joint. If ball joints or the central joint are contaminated, clean them before re-positioning the instrument.

Warning

Do not use an ultrasonic bath.

Lubrication

Warning

Do not lubricate the central joint and ball joints. Friction is necessary to ensure safe load bearing and to prevent unwanted movement of the arm.