

Stereotactic Frame Adapter



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MODEL 038-29



CIRS

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OVERVIEW



Model 038-29, Adapter for Model 038 STEEV and Leksell® Frame G shown above. Model 038-29 is compatible with all optional components of the Leksell Coordinate Frame G, including MRI Indicators and various adapters including the Gamma Knife Adapter. The Adapter allows for repeatable and quick positioning of CIRS' STEEV, model 038, phantom with the Leksell® Frame G and it's accessories.

Model 038-29 is MRI Safe.



Please note: Leksell® Coordinate Frame G is not included and must be purchased separately.

*Leksell® Coordinate Frame G is a registered trademark of Elekta (Stockholm, SE)

PACKING LIST

QTY	DESCRIPTION
1	Adapter (including 2 pre-fitted nylon dowels)
2	1/4" x 20 UNC x 1 3/8" Aluminum screws
2	M6 x 30 Aluminum screws with Nylock nuts
1	3/16 Steel Hex wrench
1	10 mm Nut driver
1	Post extraction tool
1	User Guide

ASSEMBLY INSTRUCTIONS

WARNING: Use only provided aluminum screws & nuts in concert with G-Frame hardware to maintain MRI compatibility. None of the screws needs to be tightened more than firmly, the threads into plastic are easily stripped.



1. Adapter for integrating STEEV and Leksell® Coordinate Frame G.



2. Insert short posterior angled fixation posts into tall posterior columns of the STEEV adapter ensure they are seated all the way down.

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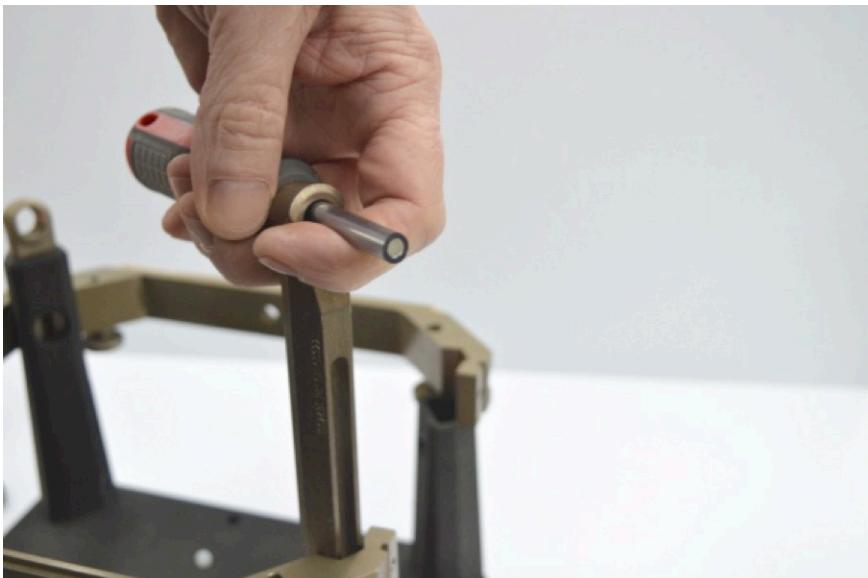


3. Slide Leksell® Coordinate Frame G. onto the posterior posts pushing firmly into place on the tapered leg sections

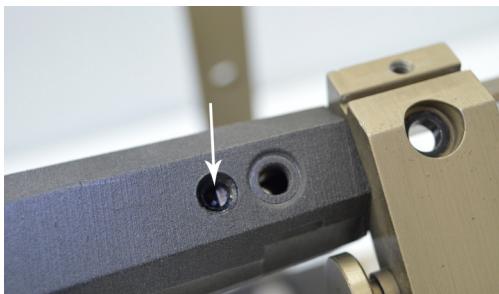
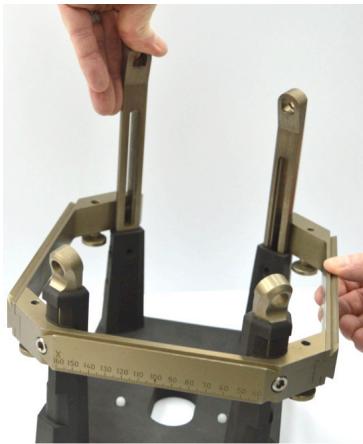


4. Insert two Leksell t-nuts into the legs and fix in place tightly with the standard Leksell® Coordinate Frame G. screws

Please Note: This page is for Disassembly only.



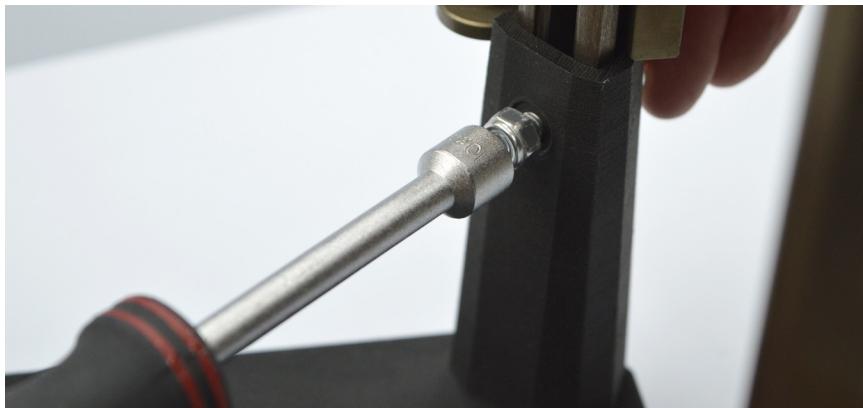
Disassembly is the reverse procedure. Note: removal of the posts can be difficult depending on the manufacturing tolerances of all the mating components. There is a soft vinyl coated tool provided to pass through the eye of the fixation post to assist in removing the posts without marking them. Insert the vinyl coated shaft to pull on each of the posts. (Depending on your strength, you may have to step on the adapter to immobilize it so you can pull out the posts)



5. Insert anterior angled posts; ensure they are fully seated. You will notice when the post is fully seated by looking in the sight hole next to the post retention screw hole



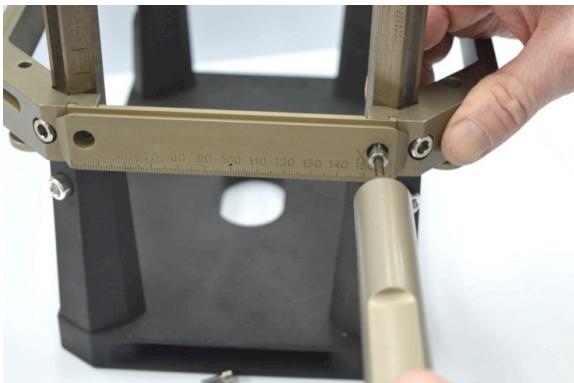
6. Screw in the two "BRIGHTLY POLISHED" M6x1 Aluminum Screws (fine thread with nuts) to retain the anterior posts in the adapter.



7. Screw on the "BRIGHTLY POLISHED" M6x1 Aluminum Locking nuts provided firmly
(Note: do not overtighten)



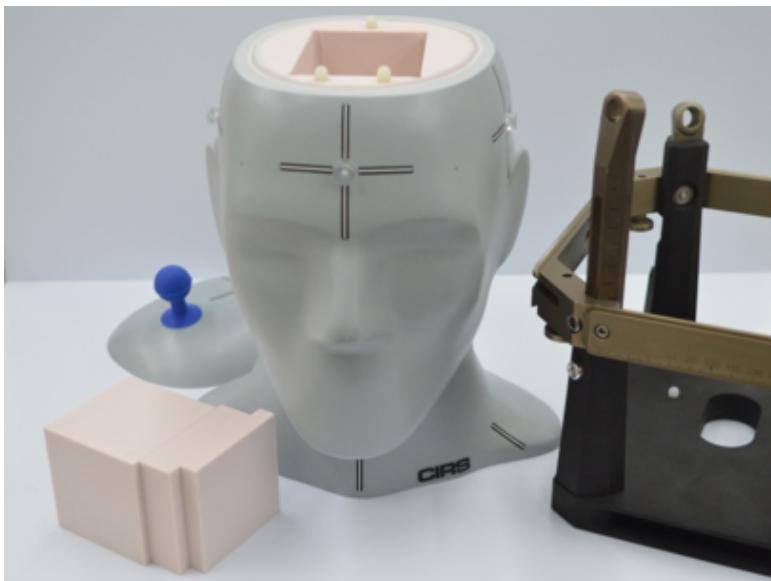
8. Using the standard Leksell® Coordinate Frame G. T-Nuts and screws, tightly fix the Frame G to the anterior posts making sure that it sits on the plastic pillar of the STEEV adapter.



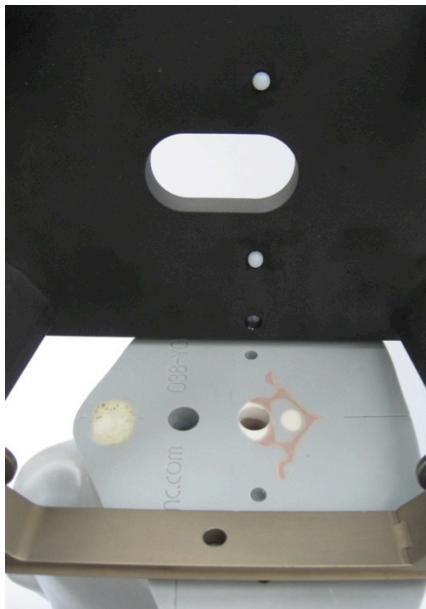
9. Insert the anterior bridge and screw into place with the standard Leksell hardware to complete the Leksell® Coordinate Frame G.



10. Insert the 4 disposable plastic fixation screw inserts into the 4 fixation posts.



11. Disassemble the Phantom by removing the head cap, brain cube and spacers.



12. Invert phantom to mount adapter. There are two locating dowels on the adapter that integrate with two blind holes in STEEV's neck. Gently maneuver the adapter and Leksell® Coordinate Frame G. assembly over the neck and shoulder portion of STEEV by tilting the adapter at a 45/45 angle.



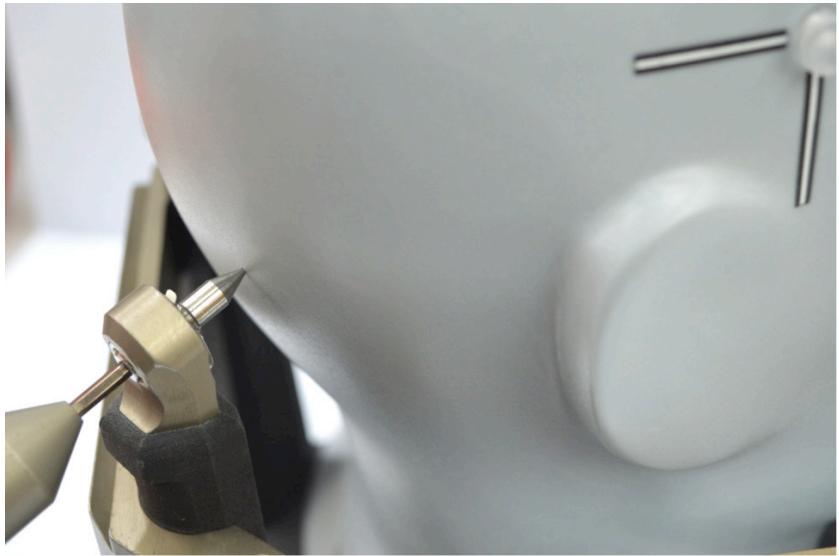
13. Be sure to align the dowel pins correctly with their matching holes then push down firmly to fully insert them.



14. Insert the 2 dull grey 1/4 20 UNC screws through the adapter plate and gently screw into the base of STEEV until firm.

(WARNING: do not over tighten these screws).





15. Turn the assembly over onto the adapter then insert 4 short fixation screws finger tight against head then tighten $\frac{1}{2}$ a turn on each screw to firmly secure. We recommend using 30.0mm long fixation screws in the short posterior posts and 22.5mm long fixation screws in the longer anterior posts.



16. Finished.



17. STEEV, adapter and Leksell® Coordinate Frame G. mounted to the Gamma Knife® Icon™

*Gamma Knife® Icon™ is a registered trademark of Elekta (Stockholm, SE)

WARRANTY

All standard CIRS products and accessories are warranted by CIRS against defects in material and workmanship for a period as specified below. During the warranty period, the manufacturer will repair or, at its option, replace, at no charge, a product containing such defect provided it is returned, transportation prepaid, to the manufacturer. Products repaired in warranty will be returned transportation prepaid.

There are no warranties, expressed or implied, including without limitation any implied warranty of merchantability or fitness, which extend beyond the description on the face hereof. This expressed warranty excludes coverage of, and does not provide relief for, incidental or consequential damages of any kind or nature, including but not limited to loss of use, loss of sales or inconvenience. The exclusive remedy of the purchaser is limited to repair, recalibration, or replacement of the product at manufacturer's option.

This warranty does not apply if the product, as determined by the manufacturer, is defective because of normal wear, accident, misuse, or modification.

Non-Warranty Service

If repairs or replacement not covered by this warranty are required, a repair estimate will be submitted for approval before proceeding with said repair or replacement

RETURNS

If you are not satisfied with your purchase for any reason, please contact Customer Service prior to returning the product. Call 800-617-1177, email rma@cirsinc.com, or fax an RMA request form to 757-857-0523. CIRS staff will attempt to remedy the issue via phone or email as soon as possible. If unable to correct the problem, a return material authorization (RMA) number will be issued. Non-standard or "customized" products may not be returned for refund or exchange unless such product is deemed by CIRS not to comply with documented order specifications. You must return the product to CIRS within 30 calendar days of the issuance of the RMA. All returns should be packed in the original cases and or packaging and must include any accessories, manuals and documentation that shipped with the product. The RMA number must be clearly indicated on the outside of each returned package. CIRS recommends that you use a carrier that offers shipment tracking for all returns and insure the full value of your package so that you are completely protected if the shipment is lost or damaged in transit. If you choose not to use a carrier that offers tracking or insure the product, you will be responsible for any loss or damage to the product during shipping. CIRS will not be responsible for lost or damaged return shipments. Return freight and insurance is to be pre-paid.

With RMA number, items may be returned to:

CIRS
Receiving
900 Asbury Ave,
Norfolk, Virginia, 23513 USA

PRODUCT	WARRANTY PERIOD
Stereotactic Frame Adapter	12 Months

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