

NeuroPro®

Craniotomies Cranioplasties Skull Base Surgery Fractures

Why Choose the NeuroPro[®] System?

With each component carefully engineered for flawless performance and efficient use in the OR, the NeuroPro System makes flap closure a pleasure instead of a chore. Designed specifically for neurosurgical applications, the NeuroPro System addresses all your rigid fixation requirements, including cranioplasty and skull base applications, in a single compact modular tray. This coupled with the documented performance of titanium plate and screw fixation for long-term flap stability^{1,2,3}, enables you to provide the best fixation option for your patients.

Patented burr hole cover design with central port provides for passage of ICP monitors or other catheters. With the catheter routed through the burr hole cover it is less likely to contact sharp bone edges and may be easier to remove. The port edges are rounded to reduce the potential for damage to the catheter. A slotted version is also available.

The Gap Panel in the set is used to cover gaps that arise along a repositioned or widened bone flap thereby protecting underlying structures and preventing cosmetic deformity.

Both Quick Tap® self-drilling screws and standard screws are available providing surgeons with a choice of either system. Quick Tap screws utilize a sophisticated design to ensure reliability and deliver upon the potential of the self-drilling screw concept. Made from high strength titanium alloy, they are uniquely engineered to minimize insertion force and prevent stripping during insertion.

spaced cuts.

All plates, including the burr hole covers, have beveled edges to reduce the possibility of soft tissue irritation or plate palpability under the scalp.



The unique NeuroPro taper fit screwdriver is engineered to easily pick up screws and reliably drive them without becoming disengaged prior to complete seating. The positive grip on the screw virtually eliminates problems of dropping, premature disengagement and stripping of the screw. (Patent pending).

The unique three level autoclave tray contains everything needed for all neurosurgical rigid fixation procedures. A complete selection of titanium plates, panels and screws is carefully organized and labeled for maximum efficiency and ease of use in the OR (see back page for listing of implants). All necessary drill bits and instruments are also organized in the tray.

Smith, S.C.; Pelofsky, S: Adaptation of Rigid Fixation to Cranial Flap Replacement. <u>Neurosurgery</u> 29:417-418, 1991.
Chandler, C.L., et al: Imaging after titanium cranioplasty. <u>Br J Neurosurgery</u> 8:409-414, 1994.
Malis, L.I.: Titanium Mesh and Acrylic Cranioplasty. <u>Neurosurgery</u> 25:351-355, 1989.

An asymmetric burr hole cover design allows flexibility in positioning of the plate such that screws can be placed away from the edge of craniotomy cuts. At least two screws can always be placed in the flap — even with closely









The rotary screw organizer lid opens to the specific screw size required and prevents screw spillage. Screws are easily picked up with the NeuroPro taper fit driver and are made from high strength, strip resistant titanium alloy.



A complete selection of drill bits, including Anspach* and Midas Rex* compatibles, are available in the set. The cost and inconvenience of setting up a second drill in the OR to drill screw pilot holes when using the standard screws can be eliminated.



The panel implant has a unique angled connecting bar geometry (patented) that allows for 3-D contouring to match the spherical radii on the cranium in cranioplasty reconstructions. Special instruments in the tray facilitate easy and accurate shaping of the panel.



14-1P3-8613 (.4 x 90 x 135mm) 14-1P3-8615 (.6 x 90 x 135mm)

90 x 135mm) P3-8615 90 x 135mm)

Catalog #	STANDARD	BONE SCREWS
14-151-1635	Bone Screw,	1.6 x 3.5mm
14-151-1604	Bone Screw,	1.6 x 4mm
14-151-1605	Bone Screw,	1.6 x 5mm
14-151-1606	Bone Screw,	1.6 x 6mm

Catalog # 14-1S1-2005 EMERGENCY BONE SCREWS Bone Screw, 2.0 x 5mm

Catalog # 14-1S3-1604 14-1S3-1605 QUICK TAP® SELF-DRILLING SCREWSQuick Tap Bone Screw,1.6 x 4mmQuick Tap Bone Screw,1.6 x 5mm

KINAMED[®]

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*Midas Rex is a registered trademark of Midas Rex Pneumatic Tools, Inc.; *Anspach is a registered trademark of the Anspach Effort, Inc. NeuroPro® and Quick Tap® are trademarks of Kinamed,® Inc. US Pat. Nos. 5,961,519, 5,980,540, D534,651, and 8,662,299. Japan Pat. No. 5,192,371.

Instruments

PILOT HOLE DRILLS (Single-Use Only)

Drill for 1.6mm Screw, 5mm Depth, J Latch

Drill for 1.6mm Screw, 5mm Depth, Manual

Drill for 1.6mm Screw, 4mm Depth, Aesculap Drill for 1.6mm Screw, 5mm Depth, Aesculap

14-1P3-9013

(.2 x 90 x 135mm)

Drill for 1.6mm Screw, 5mm Depth, Midas Rex* Comp.

Drill for 1.6mm Screw, 5mm Depth, Anspach* ADG Comp.

Drill for 1.6mm Screw, 5mm Depth, Anspach* Comp.

Drill for 1.6mm Screw, 5mm Depth, Manual, Short

Catalog #
14-1DJ-1605
14-1DM-1605
14-1DA-1605
14-1DG-1605
14-1DK-1605
14-1DY-1605
14-1DP-1604
14-1DP-1605

Catalog #

INSTRUMENTS

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14-1T1-0100	Universal Driver Handle
14-1T1-0158	Universal Driver Blade – Short
14-1T1-0200	Plate and Panel Cutters
14-1T1-0220	Plate Holders
14-1T1-0240	Panel Forming Pliers
14-1T1-0300	Organizer Tray System – 3 Levels

