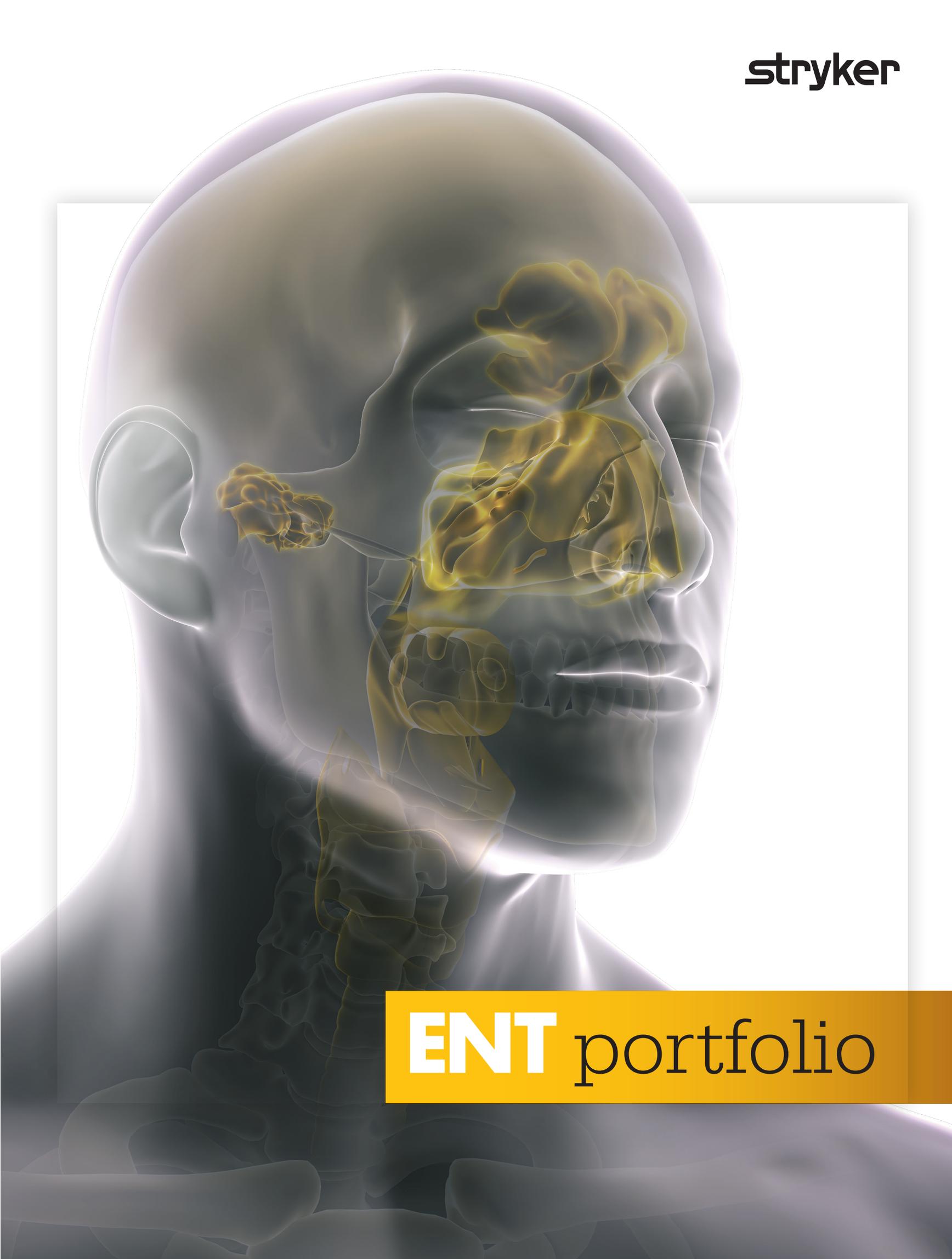


stryker



ENT portfolio

Committed to you

**Together with our customers,
we are driven to make healthcare better.**

We're listening and working hard to improve the lives of your patients through products that deliver uncompromisable ear, nose and throat care.

Our dedication to over 20 years of research and development of surgical ENT products reflects the heritage that has made us a world leader in medical technology. We back our products with responsive in-the-field service, flexible financial options and medical education programs that meet you where you are.

There's a reason our ENT portfolio is trusted by so many: it reflects your voice and your patients' needs.

- **Image guidance**
- **Powered instruments**
- **Nasal and ear dressings**
- **Medical education**
- **ProCare**
- **Flex Financial**
- **Marketing**

PROFESS®

Navigation System

Pattern recognition optics for functional endoscopic sinus surgery

Our cost-effective and easy-to-use **PROFESS Navigation System** helps you achieve the accuracy you need during intranasal and sinus surgery procedures.

Intuitive workflow

- Out-of-the-box calibration and streamlined verification for all instruments
- Touchscreen-compatible software with intuitive interface

Control and accuracy

- Mean system accuracy of 2mm within the nasal cavities
- Patient tracker can be removed and placed back on during the procedure

Patient tracking and registration

- Patient tracker is adjustable to fit a variety of patient sizes
- Single-use registration stickers allow for easy placement

Simplified video registration

- Instrument camera recognizes pattern on patient tracker and registration stickers for quick and accurate registration
- Pattern recognition is used to track the patient



Product information

6001-420-000

Patient tracking system registration kit, includes:

- PROFESS Patient Tracker
- PROFESS Registration Stickers
- PROFESS Adaptor Cable (300cm)

6001-410-070

PROFESS Curved 70° Suction

6001-410-090

PROFESS Curved 90° Suction

6001-410-100

PROFESS Frontal Sinus Seeker

6001-410-000

PROFESS Straight Suction

7700-600-000

Stryker ADAPT Platform



CranialMap[®] Express Navigation Software

Navigation options for ENT surgeons

CranialMap Express Navigation Software is a solution to incorporate navigation into ENT procedures. From standard FESS procedures to more complex revision sinus surgeries, CranialMap Express Navigation Software delivers intraoperative guidance and control to meet the demands of today's operating room with the goal of better patient outcomes.

Our proprietary navigation camera

- Utilizes active, optical technology
- Delivers industry-leading accuracy for navigated procedures¹
- Smart instruments with LED-based technology enable wireless control of the software from the sterile field

Patient registration mask

- Offers a "pin-less" navigation solution
- Scans a patient without fiducial markers
- Fully automated and simple registration process

Streamlined patient registration

- Camera arm range of motion makes it easier to position the navigation camera
- Built-in step-by-step workflow with mask registration and transfer to patient tracker

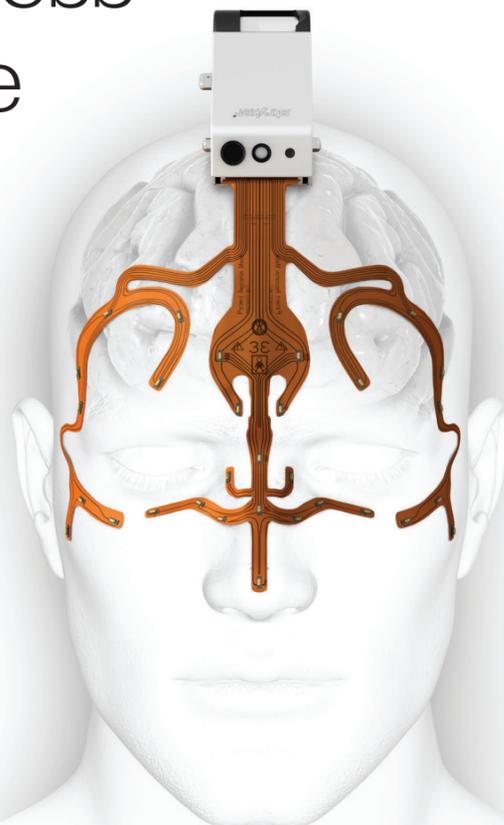
Customizable navigation views

- Configure views based on surgeon's preference
- Special view showing endo feed
- Express mode for streamlined navigation and simplified view

Notable software features

- Image import via DICOM query/retrieve
- Ability to navigate standard ENT instruments (e.g., microdebrider)

¹ Elfring R, de la Fuente M, Radermacher K. Assessment of optical localizer accuracy for computer-aided surgery systems. *Computer Aided Surg.* 2010;15(1-3):1-12.



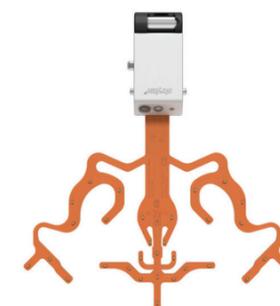
Product information

Software



6001-655-000
CranialMap Express Software

Instrumentation



6001-380-000
Patient registration mask communication unit

6001-386-000
Patient registration mask

6001-014-000
nGenius[®]
universal tracker

6001-011-000
Large pointer

Instrumentation

continued

6001-020-000
Pointer (nasal)

6001-088-027
Suction tube (2.7mm, nasal)

6001-088-040
Suction tube (4.0mm, nasal)

6001-021-000
Pointer (left posterior-fossa)

6001-022-000
Pointer (right posterior-fossa)

6001-088-227
Suction tube (2.7mm, right posterior-fossa)

6001-088-240
Suction tube (4.0mm, right posterior-fossa)

6001-088-127
Suction tube (2.7mm, left posterior-fossa)

6001-088-140
Suction tube (4.0mm, left posterior-fossa)

6001-088-327
Frontal sinus suction (2.7mm, right)

6001-088-427
Frontal sinus suction (2.7mm, left)

6001-032-000
Frontal sinus seeker (right)

6001-031-000
Frontal sinus seeker (left)

6001-232-000
Right hand maxillary sinus seeker (angled right)

6001-231-000
Left hand maxillary sinus seeker (angled right)

6001-131-000
Left hand maxillary sinus seeker (angled left)

6001-132-000
Right hand maxillary sinus seeker (angled left)

6000-010-000
Point calibration device

6000-999-002, 003, 004, 006
NavLock (2-7mm, 7-13mm, 13-20mm, 20-27mm)

6003-100-110
Universal joint screwdriver

6000-006-000
Instrument battery

Surgical navigation platforms

The ultimate surgical navigation experience

Unparalleled accuracy and control

Our proprietary tracking technology has produced the most accurate optical navigation camera on the market.¹ When that industry-leading accuracy is combined with our smart instruments, the result is absolute control, where the surgeon is able to completely control the software from the sterile field.

Stryker NAV3® Navigation Platform

Platform features

- Our proprietary navigation camera, with active technology
- 24" full HD surgeon monitor
- Full HD touchpad user interface with RFID-reader
- Industrial PC with Intel® Core™ i5 processor
- Sleek and maneuverable camera arm
- Computer interface for video (BNC, S-Video), USB and LAN connections
- Portable and mobile design—approximately 100 lbs.
- Small footprint—26.0" x 25.6"

¹ Elfring R, de la Fuente M, Radermacher K. Assessment of optical localizer accuracy for computer-aided surgery systems. *Computer Aided Surg.* 2010;15(1-3):1-12.



7700-700-000
Stryker NAV3
Navigation Platform

Stryker NAV3i® Navigation Platform

Platform features

- Our proprietary navigation camera, with active technology
- 32" full HD surgeon monitor
- Navigation camera arm with increased range of motion makes it easier to accommodate various procedures and approaches
- Built-in LiveCam allows for easy positioning of the navigation camera and smart instruments
- IO tablet user interface with touch capability
- Footprint and overall design helps maximize space in the OR
- Uninterrupted power supply (maximum six minutes)
- Industrial PC with upgraded processing speed and 60% more RAM than legacy platform
- Wireless integration—DICOM query/retrieve and DICOM client functionality for smooth integration into the hospital network
- HDMI output



7700-800-000
Stryker NAV3i
Navigation Platform

ESSx[®]

Microdebrider

Your specialty is our priority

The ergonomically designed **ESSx Microdebrider** gives you the cutting efficiency and balance you need during intranasal and sinus surgery procedures.

Power and control

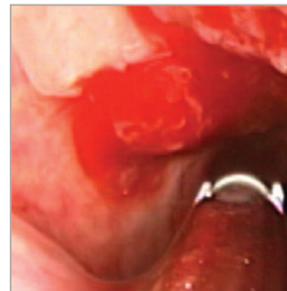
- 5,000 RPM maximum oscillation speed
- Straight through suction design minimizes clogging
- Patented flush feature quickly removes obstructions with surgeon control
- Array of blade and bur options to accommodate various procedural needs
- Ergonomic and lightweight handpiece design
- Customization potential with the CORE Console

CORE™ Console

The CORE System is a family of products unified through innovation. By incorporating our latest software technology with our latest drill motor technology, we are able to provide not only the caregiver, but also the patient, with an integrated surgical system.

The CORE Console represents a step forward in performance and comfort that can be tailored to each caregiver's personal preference.

- Consolidation of powered handpieces across surgical specialties
- Connectivity of up to three handpieces and two foot pedals, with ability to run two handpieces simultaneously
- Customized profiles for each physician, including motor characteristics and feel
- Fully adjustable, integrated irrigation
- Easy set-up for operating room staff
- Eliminates the need for multiple power supplies in the operating room



Product information

Precision cutters



Aggressive serrated

Part number	Diameter	Length
5290-645-000	4.0mm	8cm
5290-635-000	3.5mm	8cm



Aggressive

Part number	Diameter	Length
5290-648-000	4.0mm	8cm
5290-638-000	3.5mm	8cm
5290-628-000	2.5mm	8cm
5290-011-000	4.0mm	11cm



Jaguar

Part number	Diameter	Length
5290-540-000	3.3mm	8cm
5290-530-000	3.5mm	8cm



SharpEdge

Part number	Diameter	Length
5290-340-000	4.0mm	8cm

Angled aggressive serrated 40°

Part number	Diameter	Length
5290-440-100	4.0mm	11cm
5290-435-100	3.5mm	11cm

Angled aggressive serrated 60°

Part number	Diameter	Length
5290-640-100	4.0mm	11cm
5290-635-100	3.5mm	11cm



Angled aggressive 12°

Part number	Diameter	Length
5290-744-100	4.0mm	11cm



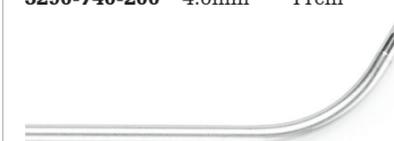
Angled aggressive 40°

Part number	Diameter	Length
5290-740-100	4.0mm	11cm



Angled aggressive 40° convex

Part number	Diameter	Length
5290-740-200	4.0mm	11cm



Angled aggressive 60°

Part number	Diameter	Length
5290-760-100	4.0mm	11cm

Burs



Hooded round bur

Part number	Diameter	Length
5290-647-000	3.0mm	8cm



Unhooded round bur

Part number	Diameter	Length
5290-220-000	2.0mm	8cm

Accessories



5400-050-000
CORE Console



5400-007-000
NSE Footswitch

S2 π Drive[®] Drill System

Specialty inspired innovation

We have always defined innovation in electric power equipment for the operating room. Building upon that legacy of greatness and searching for constant improvement is what we do every day. That's why the process of designing the **S2 π Drive Drill** begins—and ends—with surgeon leadership.

- Redesigned π Drive motor gives the surgeon greater efficiency and longer run time
- Enhanced ergonomics: shorter, lighter handpiece with a more flexible cord
- Increased maneuverability, optimal for working under a microscope
- Burs lock into drill, providing greater stability
- Irrigation locks onto attachment for a stable, non-slip position

S2 π Drive motor

- The market leader in otology drills for greater bone dissection
- Designed with input from 60 leading otologists worldwide
- 54 cutting accessories tailored for otologic applications
- Compatible with integrated irrigation and the CORE Console

Burs optimized for otolaryngology

Compiling surgeon feedback from around the globe, Stryker has worked alongside clinicians to design 54 new burs, designed specifically for the otolaryngologist. These burs consist of diamond grit, traditional fluted and state-of-the-art 2Flute cutting technology. These new burs are optimized to deliver performance and versatility, designed for your specialty.

Precision round bur

- 2Flute design
- Rim glide technology
- Rapid, smooth bone dissection
- Latest advancement in round cutting burs



Product information

S2 products

- 5450-400-000**
S2 Drill
- 5450-040-000**
4.0cm Straight attachment
- 5450-040-001**
4.0cm Straight irrigating attachment
- 5450-040-002**
4.0cm Angled attachment
- 5450-040-003**
4.0cm Angled irrigating attachment
- 5450-040-011**
Straight irrigation clip
- 5450-040-013**
Angled irrigation clip
- 5400-050-001**
CORE Irrigation Cassette
- 5400-050-000**
CORE Console
- 5400-007-000**
Foot pedal

Cutting accessories



- 5540-009-010**
1.0mm Precision round
- 5540-009-015**
1.5mm Precision round
- 5540-009-020**
2.0mm Precision round
- 5540-009-025**
2.5mm Precision round
- 5540-009-030**
3.0mm Precision round
- 5540-009-040**
4.0mm Precision round
- 5540-009-050**
5.0mm Precision round
- 5540-009-060**
6.0mm Precision round
- 5540-009-075**
7.5mm Precision round
- 5540-009-305**
0.5mm Extended precision round
- 5540-009-307**
0.7mm Extended precision round
- 5540-009-310**
1.0mm Extended precision round
- 5540-009-315**
1.5mm Extended precision round
- 5540-009-320**
2.0mm Extended precision round
- 5540-009-330**
3.0mm Extended precision round



- 5540-010-030**
3.0mm Round fluted
- 5540-010-040**
4.0mm Round fluted
- 5540-010-050**
5.0mm Round fluted

2Flute

- 5540-010-060**
6.0mm Round fluted
- 5540-010-075**
7.5mm Round fluted
- 5540-010-330**
3.0mm Extended round fluted



- 5540-011-010**
1.0mm Fine diamond
- 5540-011-015**
1.5mm Fine diamond
- 5540-011-020**
2.0mm Fine diamond
- 5540-011-025**
2.5mm Fine diamond
- 5540-011-030**
3.0mm Fine diamond
- 5540-011-040**
4.0mm Fine diamond
- 5540-011-050**
5.0mm Fine diamond
- 5540-011-060**
6.0mm Fine diamond
- 5540-011-305**
0.5mm Extended fine diamond
- 5540-011-307**
0.7mm Extended fine diamond
- 5540-011-310**
1.0mm Extended fine diamond
- 5540-011-315**
1.5mm Extended fine diamond
- 5540-011-320**
2.0mm Extended fine diamond
- 5540-011-325**
2.5mm Extended fine diamond
- 5540-011-330**
3.0mm Extended fine diamond



- 5540-012-020**
2.0mm Diamond
- 5540-012-025**
2.5mm Diamond
- 5540-012-030**
3.0mm Diamond
- 5540-012-035**
3.5mm Diamond
- 5540-012-040**
4.0mm Diamond
- 5540-012-050**
5.0mm Diamond
- 5540-012-060**
6.0mm Diamond
- 5540-012-320**
2.0mm Extended diamond
- 5540-012-330**
3.0mm Extended diamond



- 5540-013-020**
2.0mm Coarse diamond
- 5540-013-030**
3.0mm Coarse diamond
- 5540-013-040**
4.0mm Coarse diamond
- 5540-013-050**
5.0mm Coarse diamond
- 5540-013-060**
6.0mm Coarse diamond
- 5540-013-320**
2.0mm Extended coarse diamond
- 5540-013-330**
3.0mm Extended coarse diamond

S2 Mini™ Drill System

The first choice in otology micro drills

You made our S2 π Drive Motor the market leader for greater bone dissection in otology cases. And now we're introducing its perfect complement—the **S2 Mini Drill System** for micro shaping of delicate middle ear structures during ossiculoplasty.

It includes 17 customized cutting accessories, a portable foot pedal and—perhaps most important—a brushless, sensorless motor handpiece. Achieving fine drilling through fewer parts and sensors eliminates the breakage and performance degradation that can be associated with some procedures. The result is a durable, fully autoclavable S2 Mini Drill that withstands a lifetime of autoclaving without impacting precision, longevity or reliability.

Here's a look at how the S2 Mini Drill System is optimized to deliver the extreme precision needed when working on delicate structures in confined spaces.

Foot pedal

- Soft start with foot-controlled variable speed up to 12,000 RPM
- Portable; operates on 8 AA standard batteries
- Powers an average of 100 procedures before battery change
- Auto-off energy saver if unused for 15 minutes
- Colored/flashing LEDs indicate power on, fault and low battery

Product information

Cutting accessories

Part number	Product description	Color band
 5452-010-005C	0.5mm Carbide round	
 5452-010-006C	0.6mm Carbide round	
 5452-010-007C	0.7mm Carbide round	
 5452-010-008C	0.8mm Carbide round	
 5452-010-010C	1.0mm Carbide round	
 5452-010-014C	1.4mm Carbide round	
 5452-010-018C	1.8mm Carbide round	
 5452-010-023C	2.3mm Carbide round	
 5452-012-006	0.6mm Diamond round	
 5452-012-007	0.7mm Diamond round	
 5452-012-008	0.8mm Diamond round	
 5452-012-010	1.0mm Diamond round	
 5452-012-012	1.2mm Diamond round	
 5452-012-014	1.4mm Diamond round	
 5452-012-018	1.8mm Diamond round	
 5452-012-023	2.3mm Diamond round	
 5452-060-035	0.35mm Perforator	

Additional accessories

5452-100-000
S2 Mini Motor



5452-007-000
S2 Mini Foot Pedal

Color-coded bands easily identify cutting accessory diameter

Reinforced tip provides rigidity for micro shaping of very fine structures

Curved for optimal access and visibility

Quick connect lock/release mechanism

Light, 2 oz. handpiece feels natural in hand

Brushless, sensorless motor for consistent performance, precision and durability over a lifetime of autoclaving

17 cutting accessories

Guide tube has reinforced base for added stability

Concave finger rest with ridged hub provides comfortable, secure grip

2,000-12,000 RPM motor optimized for low speed performance and control, without vibration or jerking

Cable and drill are autoclavable for quick and easy sterilization

Bioresorbable ENT dressings



Our wide range of bioresorbable ENT dressings provide post-op structural support in various shapes and sizes to meet the needs of different anatomical placements and user preferences.

Bioresorbable nasal dressing

NasoPore® FD, NasoPore Standard, NasoPore Firm and NasoPore Extra Firm Bioresorbable Nasal Dressings

Support you need, options you want

NasoPore nasal dressings provide different fragmentation periods and compression forces depending on the tissue support your patient requires. Each option provides the same core benefits such as absorbing drainage/bleeding without swelling in size, preventing adhesions by stenting mucosal tissue structures and providing hemostasis through compression.

- Minimizes adhesions and edema
- Absorbs blood/fluid without swelling in size
- Separates and supports vital tissue structures
- Clears naturally; atraumatic and comfortable for patients
- Easy to cut and manipulate during placement
- No mixing, moistening or other prep needed

Predictable performance

	HemoPore	NasoPore FD	NasoPore Standard	NasoPore Firm	NasoPore Firm	NasoPore Firm	NasoPore Extra Firm	NasoPore Extra Firm
Part number	5400-020-208	5400-020-108	5400-010-004	5400-010-008	5400-020-004	5400-020-008	5400-030-004	5400-030-008
Fragmentation time	10-14 days ¹	5-7 days ¹	7-10 days ¹	7-10 days ¹	10-12 days ¹	10-12 days ¹	12-14 days ¹	12-14 days ¹
Tissue support/shape integrity	36-48 hours	36-48 hours	36-48 hours	36-48 hours	36-48 hours	36-48 hours	36-48 hours	36-48 hours
Compression strength/stenting	Firm	Firm	Gentle	Gentle	Firm	Firm	Extra firm	Extra firm
Absorption capacity	Average 20x ² its weight	Average 20x ² its weight	Average 20x ² its weight	Average 20x ² its weight	Average 20x ² its weight	Average 20x ² its weight	Average 20x ² its weight	Average 20x ² its weight
Hydrophilic (does not swell)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Material	100% synthetic proprietary polymer with a chitosan lactate hemostatic	100% synthetic proprietary polymer						
Description	8cm (3.15 inch)	8cm (3.15 inch)	4cm (1.57 inch)	8cm (3.15 inch)	4cm (1.57 inch)	8cm (3.15 inch)	4cm (1.57 inch)	8cm (3.15 inch)
Quantity/pack	8	8	8	8	8	8	8	8

¹ Degradation may vary based on patient and environmental factors, amount of material inserted, and the type and manner of nasal rinsing.

² +/- 8



NasoPore Bioresorbable Nasal Dressing



NasoPore FD Bioresorbable Nasal Dressing

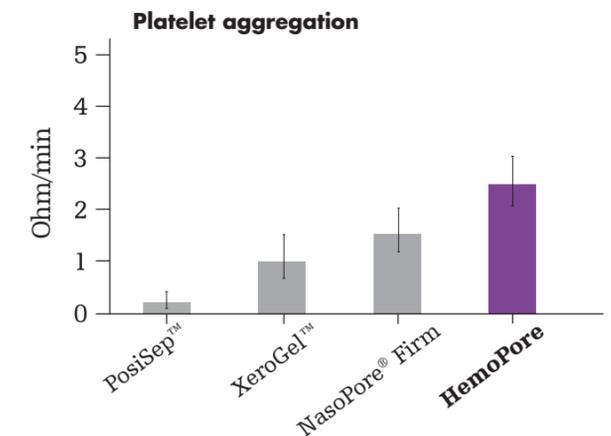
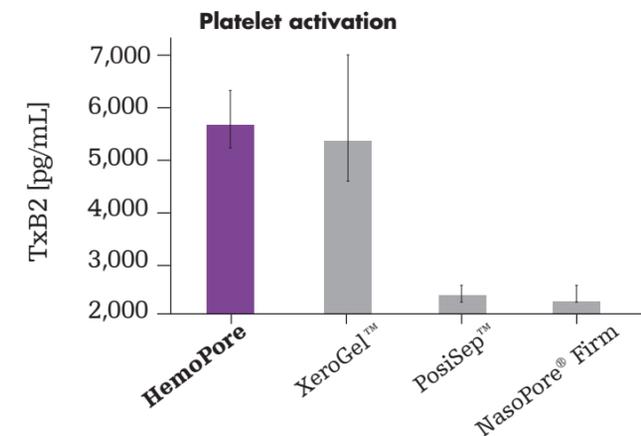


HemoPore Hemostatic Bioresorbable Nasal Dressing

HemoPore® Hemostatic Bioresorbable Nasal Dressing

Support you need, hemostatic control you want

HemoPore bioresorbable nasal dressing delivers all the qualities you like in NasoPore dressings, plus the added clinical benefits of the hemostatic agent chitosan lactate. Its firm compression strength also aids hemostasis, and helps prevent adhesions and minimize edema while maintaining structure separation and stabilization.



In vitro findings showed HemoPore dressings prompted higher platelet activation and aggregation than similar hemostatic products and NasoPore Firm, thus accelerating blood coagulation and healing.¹

¹ "Thrombogenic Performance of Stryker® HemoPore® Hemostatic Bioresorbable Nasal Dressing and Other Marketed Nasal Dressings." Stryker internal white paper, 9100-003-317 Rev None.



OtoPore Bioresorbable Ear Dressings

OtoPore® Bioresorbable Ear Dressings

For outer and middle ear surgery

Made of bioresorbable synthetic polymer, OtoPore ear dressings provide post-operative structural support in various shapes and sizes to meet the needs of different anatomical placements and user preferences. Its body-friendly formula self degrades into natural components and clears through the Eustachian tube or mucosal flow.

Advance healthcare and improve patients' lives

Medical education

With a full range of learning opportunities, we continue to develop new, industry-leading education and training resources. Last year, over 9,000 healthcare professionals were trained on Stryker's Neuro, Spine, ENT and Navigation products. From hands-on laboratory practicums in our M.O.R.E. mobile lab to educational presentations designed to enhance the understanding and application of the most up-to-date medical technologies and care practices, we have educated the brightest minds focused on ENT procedures.

Our Medical Education team offers a variety of learning opportunities including:

- Product training: educational events for surgeons, residents and fellows, coordinated by our Medical Education team
- Third-party education courses (TPEC): educational events for surgeons, residents, fellows and medical students, coordinated by another organization
- OR Professional (ORP) workshops: product trainings specifically for OR professionals such as nurses and scrub techs
- Resident education: educational events intended for residents of a single institution or travel support for a resident to a TPEC

M.O.R.E. – Mobile Operating Room Experience

The M.O.R.E. lab is an expandable OR simulation lab, with eight fully stocked stations and room for 40 people. The facility is equipped with everything necessary to carry out a variety of ENT procedures.



Maximizing your investment

The ProCare[®] advantage

ProCare services allow your capital investments to work better for you with decreased downtime, greater employee and patient satisfaction and increased revenue opportunities. When we focus on what we do best—technology and equipment—your staff can spend more time caring for patients. The ProCare team is one of the largest service providers in the industry. On location at your facility and at our corporate repair centers, our team has the proprietary knowledge, components and tools to care for your Stryker equipment.

Efficiency

- Minimize equipment related disruptions in patient care
- Options for loaners while equipment is being repaired¹
- Optimize staff time
- Reduce equipment downtime with 24-72 hour turnaround¹

¹ Available on most products

² Option available with some prevent and onsite contracts

Compliance²

- Repairs and preventative maintenance inspections¹ according to OEM guidelines
- Assist with CMS guideline compliance
- Provide documentation to support Joint Commission and DNV requirements

Flex Financial

Flex Financial offers flexible payment options to meet your budgetary needs and requirements. Our financial alternatives allow you to remain competitive in today's market by making leading-edge technology available today.

We understand that making exceptional medical equipment is just part of the solution. To extend outstanding customer service even further, we also want to make it easier for you to purchase our products. Therefore, we provide flexible payment options to help our customers acquire state-of-the-art medical and surgical equipment. Our flexible payments provide a range of smart alternatives designed to fit your organization's needs.

Marketing

We'd love to help you market the medical device technology that you've acquired from us. We've developed a variety of marketing collateral that will help you reach the communities you serve. Our team of marketing professionals can help you with the following tools:

- Patient pamphlets
- Press release templates
- Newsletter content
- Graphics and b-roll video
- Advertising templates
- Referring physician letter templates
- Community education events

Neuro, Spine, ENT and Navigation

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Stryker Neuro, Spine, ENT and Navigation
4100 East Milham Avenue
Kalamazoo, MI 49001 USA
t: 269 323 7700, f: 269 353 3026
toll free: 800 253 3210

Stryker Leibinger GmbH & Co. KG
Bötzingen Straße 41
D-79111 Freiburg, Germany
t: + 49 761 4512 0, f: +49 761 4512 120
stryker.com