Medtronic
Engineering the extraordinary

## M4 and M5 Straightshot™ microdebriders

# ENT blades and burs

With your help, we have designed innovative blades and burs that enable you to deliver the exceptional care your patients deserve.

**Our 125+ selection includes:**

- 30K Burs
- Trackable EM Blades
- Straight and Curved Blades
- Straight and Curved Burs
- Airway Blades
- T&A Blades

# Automated EM tracking blades

## Factory-calibrated blades for navigation

The innovative Automated EM Tracking Blades deliver unparalleled convenience and technology integration. They are factory-calibrated for navigation, right out of the box. Just attach the blade to the M5 microdebrider and the StealthStation™ ENT system, and start navigating.

With this latest innovation, we continue to deliver the feature expansion and product integration that you expect from Medtronic.

**Unique features include:**

- No array, no clamps, no calibration, no waiting
- Factory-calibrated blades for navigation


NOTA BENE

The technique description herein and the use of instructions for the related procedures are made available by Medtronic ENT to the healthcare professional to illustrate the author's suggested treatment for the uncomplicated patient. In the final analysis, the preferred treatment is that which, in the healthcare professional's judgment, addresses the needs of the individual patient.

Speeds are suggested rpm (revolutions per minute), operated in oscillation mode for blades and (forward) mode for burs. Measurements are listed in millimeters unless otherwise specified.

† Offers a reduced mouth opening size and different tooth configuration designed for smaller bites and better bone engagement



Trackable EM Blades | Straight Blades | Curved Blades | Burs | Airway Blades | T & A

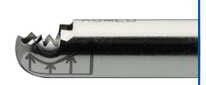
# Automated EM tracking blades – Rotatable

## Quadcut™ / Straight Blades

360°

- 13.0 cm long with straight shaft
- Rotates through 360°
- 70% reduction in clogging over the Tricut™ Blade[6]*
- Outer teeth stabilize tissue while inner blade cuts
- Better engagement of ethmoid bone[5]*†
- Operating speed: up to 7,500 rpm, oscillate

○ *3.0 mm* ○ *3.4 mm* ○ *4.3 mm*



### Ordering

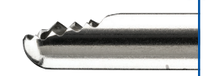
1883080EM | Quadcut blade / 3.0 mm diameter / 13.0 cm long / straight / rotatable / automated EM tracking / 1 each
1883480EM | Quadcut blade / 3.4 mm diameter / 13.0 cm long / straight / rotatable / automated EM tracking / 1 each
1884380EM | Quadcut blade / 4.3 mm diameter / 13.0 cm long / straight / rotatable / automated EM tracking / 1 each

## Tricut™ / Straight Blade

360°

- 13.0 cm long with straight shaft
- StraightShot™ M5 rotates blade 360°
- Offset cutting surface cuts in 3 planes
- Application: ethmoidectomy, sphenoid sinus surgery
- Operating speed: up to 7,500 rpm, oscillate

○ *4.0 mm*



### Ordering

1884080EM | Tricut blade / 4.0 mm diameter / 13.0 cm long / straight / rotatable / automated EM tracking / 1 each

## RAD™ / 12° Curved Blade

360°

- 11.0 cm long with curved shaft
- StraightShot M5 rotates blade tip 360° without shaft rotation
- Offset cutting surface cuts in 3 planes
- Application: uncinectomy, ethmoidectomy
- Operating speed: Up to 7,500 rpm, oscillate

○ *4.0 mm* *12°*

### Ordering

1884012EM | RAD blade / 4.0 mm diameter / 11.0 cm long / 12° curved / rotatable / automated EM tracking / 1 each

## RAD / 40° Curved Blade

360°

- 11.0 cm long with curved shaft
- StraightShot M5 rotates blade tip 360° without shaft rotation
- Offset cutting surface cuts in 3 planes
- Application: uncinectomy, ethmoidectomy
- Operating speed: up to 7,500 rpm, oscillate

○ *4.0 mm* *40°*

### Ordering

1884006EM | RAD blade / 4.0 mm diameter / 11.0 cm long / 40° curved / rotatable / automated EM tracking / 1 each

## Irrigation Tubing

- For use with IPC™ blades and burs . Irrigation tubing not included in EM blade packaging.

### Ordering

1895522 | Irrigation tubing for blades and burs / 5 each

*Based on non-clinical testing
† Offers a reduced mouth opening size and different tooth configuration designed for smaller bites and better bone engagement
‡ Based on non-clinical testing and may not be indicative of clinical performance

# Quadcut blades

## Real relief from blade clogging

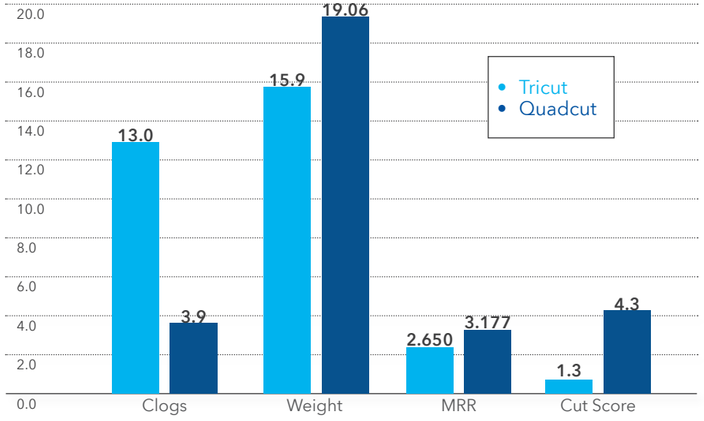
Powered FESS is an important advancement in surgical treatment, yet some challenges remain. Medtronic engineers continually strive to enhance technology, for improved operative efficiency.

### The innovative Quadcut™ blades offer:

- Design for reduced blade clogging over the Tricut™ Blades[5,6]*†
- Design for better engagement of ethmoid bone[5,6]*†

**Test Medium |** Oyster and eggshell mixture
**MMR (Material Removal Rate) |** (Tissue weight / minutes)
**Cut score |** Weight of tissue removed/(number of clogs + 1)

Normal Run Conditions (3000 - 5000 rpm, 6 - 24 in Hg)




Data collected from 4.3 mm Quadcut blade[6]

- On average, 70% reduction in cloging over the Tricut™ blade‡
- Approximately 20% of additional tissue resection based on average weight‡

*Based on non-clinical testing
†Offers a reduced mouth opening size and different tooth configuration designed for smaller bites and better bone engagement
‡Based on non-clinical testing and may not be indicative of clinical performance





# Straight sinus blades – Rotatable

### Quadcut / Straight Blades

360°

- 13.0 cm long with straight shaft
- Rotates through 360°
- 70% reduction in clogging over the Tricut™ Blade[6]*
- Outer teeth stabilize tissue while inner blade cuts
- Better engagement of ethmoid bone[5]*†
- Operating speed: up to 7,500 rpm, oscillate

○ *3.0 mm* ○ *3.4 mm* ○ *4.3 mm*

**Ordering**

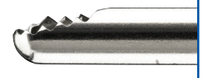
1883080HRE | Quadcut blade / 3.0 mm diameter / 13.0 cm long / straight / rotatable / 1 each with irrigation tubing
1883480HRE | Quadcut blade / 3.4 mm diameter / 13.0 cm long / straight / rotatable / 1 each with irrigation tubing
1884380HR | Quadcut blade /4.3 mm diameter / 13.0 cm long / straight / rotatable / 5 each with irrigation tubing

### Tricut™ / Straight Blades

360°

- 11.0 - 13 cm long with straight shaft
- Rotates blade mouth 360°
- Offset cutting surface cuts in 3 planes
- Operating speed: up to 7,500 rpm, oscillate
- Applications: ethmoidectomy (1883504HR, 1884004HR, 1884080HR) / sphenoid sinus surgery (1884080HR) / sinus surgery (1882904HRE)

○ *2.9 mm* ○ *3.5 mm* ○ *4.0 mm*



**Ordering**

1882904HRE | Tricut blade / 2.9 mm diameter / 11.0 cm long / straight / rotatable / 1 each with irrigation tubing
1883504HR | Tricut blade / 3.5 mm diameter / 11.0 cm long / straight / rotatable / 5 each with irrigation tubing
1884004HR | Tricut blade / 4.0 mm diameter / 11.0 cm long / straight / rotatable / 5 each with irrigation tubing
1884080HR | Tricut blade / 4.0 mm diameter / 13.0 cm long / straight / rotatable / 5 each with irrigation tubing

# Powered inferior turbinoplasty

## Long-term results with one treatment

Chronic inferior turbinate hypertrophy is a common cause of nasal obstruction that can have significant effects on quality of life.[7] Minimally invasive surgical technologies have evolved to address this condition, including laser, radiofrequency (RF), and microdebrider methods.

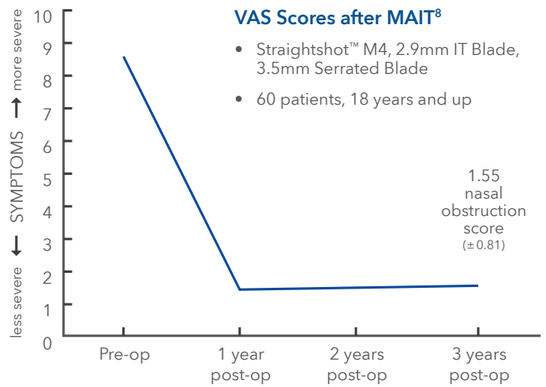
**Compared to RF methods, our microdebrider and inferior turbinate blade:[8]**

- Offers significant long-term results with one treatment
- Helps achieve the goals of long term volumetric reduction
- Can help avoid unpredictable thermal damage to surrounding tissue caused by the local submucosal delivery of low-frequency energy in RF procedures.

**VAS Scores:**
**Assessing the effectiveness of IT reduction**

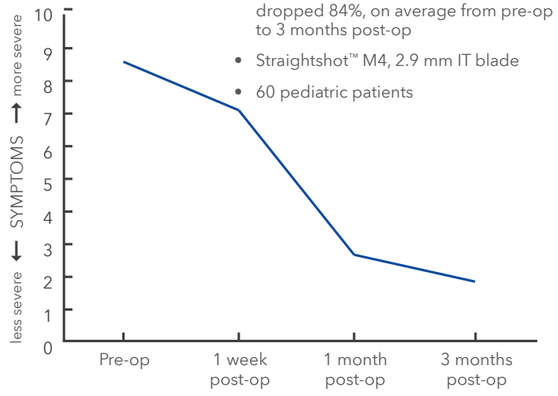
There are a variety of ways to evaluate surgical results, but the most direct method is to ask patients how they feel. The Visual Analog Scale (VAS) is a subjective measurement tool that can evaluate the patient's perception of his or her nasal health, including nasal obstruction, rhinorrhea, snoring, and sneezing. Answers usually range from 0 (no symptoms) to 10 (the most severe symptoms).

MAIT = microdebrider-assisted inferior turbinoplasty surgery



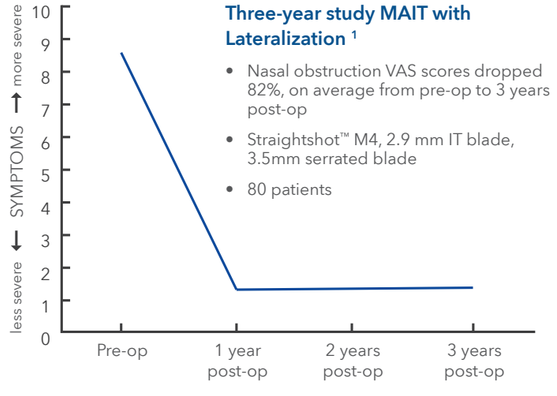

**VAS Scores after MAIT[8]**

- Straightshot™ M4, 2.9mm IT Blade, 3.5mm Serrated Blade
- 60 patients, 18 years and up




**Three-month study, MAIT[9]**

- VAS scores for nasal obstructions dropped 84%, on average from pre-op to 3 months post-op
- Straightshot™ M4, 2.9 mm IT blade
- 60 pediatric patients




**Three-year study MAIT with Lateralization [1]**

- Nasal obstruction VAS scores dropped 82%, on average from pre-op to 3 years post-op
- Straightshot™ M4, 2.9 mm IT blade, 3.5mm serrated blade
- 80 patients





# Inferior turbinate blades – Rotatable

**Inferior Turbinate / Blades**

- 11.0 cm long
- Rotates through 360°
- Straight shaft with elevator tip
- Application: submucosal resection of inferior turbinate
- Operating speed: 60-3,000 rpm, oscillate
- Developed in conjunction with Laurence O'Halloran, MD

○ *2.0 mm* ○ *2.9 mm*

360°

**Ordering**

1882040HR | Inferior turbinate blade / 2.0 mm diameter / 11.0 cm long / rotatable / 5 each with irrigation tubing
1882940HR | Inferior turbinate blade / 2.9 mm diameter / 11.0 cm long / rotatable / 5 each with irrigation tubing

# Curved sinus blades – Rotatable

## RAD™ / 12° Blades


- 11.0 cm long with curved shaft
- StraightShot™ M5 rotates blade tip 360° without shaft rotation
- Offset cutting surface cuts in 3 planes
- Application: uncinectomy, ethmoidectomy
- Operating speed: up to 7,500 rpm, oscillate

*3.5 mm* *4.0 mm* *12°*

### Ordering

1883512HRE | RAD blade / 3.5 mm diameter / 11.0 cm long / 12° curved / rotatable / 1 each
1884012HR | RAD blade / 4.0 mm diameter / 11.0 cm long / 12° curved / rotatable / 5 each

## RAD / 40° Blades


- 11.0 cm long with curved shaft
- StraightShot M5 rotates blade tip 360° without shaft rotation
- Offset cutting surface cuts in 3 planes
- Application: uncinectomy, ethmoidectomy
- Operating speed: up to 7,500 rpm, oscillate

*3.5 mm* *4.0 mm* *40°*

### Ordering

1883506HRE | RAD blade / 3.5 mm diameter / 11.0 cm long / 40° curved / rotatable / 1 each
1884006HR | RAD blade / 4.0 mm diameter / 11.0 cm long / 40° curved / rotatable / 5 each

## RAD / 60° Blades

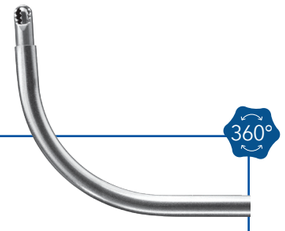

- 11.0 cm long with curved shaft
- StraightShot™ M5 rotates blade tip 360° without shaft rotation
- Offset cutting surface cuts in 3 planes
- Application: uncinectomy, ethmoidectomy
- Operating speed: up to 5,000 rpm, oscillate

*3.5 mm* *4.0 mm* *60°*

### Ordering

1883516HRE | RAD blade / 3.5 mm diameter / 11.0 cm long / 60° curved / rotatable / 1 each
1884016HR | RAD blade / 4.0 mm diameter / 11.0 cm long / 60° curved / rotatable / 5 each

## RAD / 90° Blade




- 11.0 cm long with curved shaft
- StraightShot M5 rotates blade tip 360° without shaft rotation
- Offset cutting surface cuts in 3 planes
- Application: maxillary polypectomy, frontal sinusotomy
- Operating speed: 2,000-3,000 rpm, oscillate

*3.5 mm* *90°*

### Ordering

1883519HR | RAD blade / 3.5 mm diameter / 11.0 cm long / 90° curved / rotatable / 3 each





# Curved sinus blades – Non-rotatable



## RAD / 60° Blade

- 11.0 cm long with curved shaft
- Offset cutting surface cuts in 3 planes
- Same inner lumen as wider 3.5 mm blades
- Application: frontal sinus surgery
- Operating speed: 1,500 rpm, oscillate

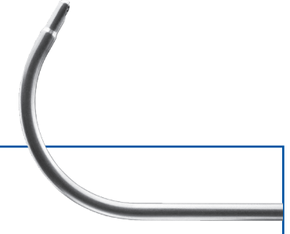
*2.9 mm* *60°*

### Ordering

1882916 | RAD blade / 2.9 mm diameter / 11.0 cm long / 60° curved / 3 each



## RAD / 120° Blade



- 11.0 cm long with curved shaft
- Tapered tip to allow maximum bend angle
- Application: maxillary polypectomy
- Operating speed: 1,500-3,000 rpm, oscillate
- 3 each, irrigation tubing separate

*3.5 mm* *120°*

### Ordering

1883517 | RAD blade / 3.5 mm diameter / 11.0 cm long / 120° curved / 3 each

# Maximum speed and durability for ENT surgery

## 30K Burs for the StraightShot™ M5 microdebrider

Finding the right bur for the job has never been easier. With the largest selection of burs for frontal sinus surgery, you can choose a bur for the specific anatomic needs of each patient or procedure.

Improved durability, speed, and stability compared to the XPS High Speed bur line with the inclusion of distal ceramic bearings.*

**30K Burs have an entirely new design and multiple technology innovations, offering:**

- Speeds up to 30,000 rpm
- Improved durability and stability[11]*
- offering performance of up to over 4 times more efficient at removing material compared to XPS Burs[11]*
- Integrated irrigation
- Distal suction

*When compared to Medtronic XPS™ Burs. Based on non-clinical testing and may not be indicative of clinical performance.

## 30K Burs Cutting Directions

### Bullet
- 3.0 mm

### Barrel
- 3.0 mm
- 3.6 mm

### Reverse taper
- 4.0 mm

### Choanal atresia
- 4.0 mm





# 30K burs

### 30K / Diamond Choanal Atresia Bur

- 13.0 cm long with curved shaft
- Diamond choanal atresia bur
- Operating speed: up to 30,000 rpm

4.0 mm | 15°

**Ordering**

1884015RTD | 30K bur / 4.0 mm diameter / 13.0 cm long / diamond choanal atresia / 15° curved / 1 each

### 30K / Frontal Finesse Barrel Cutting Bur

- 13.0 mm long with curved shaft
- Frontal finesse barrel cutting bur
- Operating speed: up to 30,000 rpm
- Application: frontal sinus drilling

3.0 mm | 40°

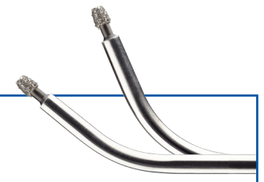
**Ordering**

1883040BRC | 30K bur / 3.0 mm diameter / 13.0 cm long / frontal finesse barrel cutting / 40° curved / 1 each

### 30K / Bullet Diamond Burs

- 13.0 cm long with curved shaft
- Bullet diamond bur
- Operating speed: up to 30,000 rpm
- Application: frontal sinus drilling

3.0 mm | 40° | 70°



**Ordering**

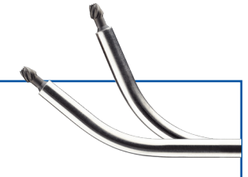
1883040BLD | 30K bur / 3.0 mm diameter / 13.0 cm long / bullet diamond / 40° curved / 1 each

1883070BLD | 30K bur / 3.0 mm diameter / 13.0 cm long / bullet diamond / 70° curved / 1 each

### 30K / Bullet Cutting Burs

- 13.0 mm long with curved shaft
- Bullet cutting bur
- Operating speed: up to 30,000 rpm
- Application: frontal sinus drilling

3.0 mm | 40° | 70°



**Ordering**

1883040BLC | 30K bur / 3.0 mm diameter / 13.0 cm long / bullet cutting / 40° curved / 1 each

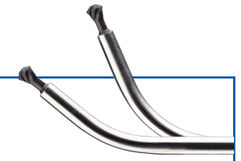
1883070BLC | 30K bur / 3.0 mm diameter / 13.0 cm long / bullet cutting / 70° curved / 1 each

# 30K burs

## 30K / Reverse Tapered Cutting Bur

- 13.0 mm long with curved shaft
- Reverse tapered cutting bur
- Operating speed: up to 30,000 rpm
- Application: frontal sinus drilling

○ *4.0 mm* *40°* *70°*



### Ordering

1884040RTC | 30K bur / 4.0 mm diameter / 13.0 cm long / reverse tapered cutting / 40° curved / 1 each
1884070RTC | 30K bur / 4.0 mm diameter / 13.0 cm long / reverse tapered cutting / 70° curved / 1 each

## 30K / Barrel Cutting Bur

- 13.0 mm long with curved shaft
- Barrel cutting bur
- Operating speed: up to 30,000 rpm
- Application: frontal sinus drilling

○ *3.6 mm* *55°*

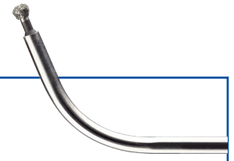
### Ordering

1883655BRC | 30K bur / 3.6 mm diameter / 13.0 cm long / barrel cutting / 55° curved / 1 each

## 30K / Reverse Tapered Diamond Bur

- 13.0 mm long with curved shaft
- Reverse tapered diamond bur
- Operating speed: up to 30,000 rpm
- Application: frontal sinus drilling

○ *4.0 mm* *70°*



### Ordering

1884070RTD | 30K bur / 4.0 mm diameter / 13.0 cm long / reverse tapered diamond / 70° curved / 1 each

# Straight sinus burs

## Oval / Straight Bur

- 12.5 cm long with straight shaft
- Cannulated suction bur tip
- Application: sinus drilling
- Operating speed: up to 12,000 rpm (forward)

○ *3.2 mm*

### Ordering

1883264HS | Oval bur / 3.2 mm diameter / 12.5 cm long / straight / high-speed / 3 each





# Straight sinus burs

## Router / Straight Bur

- 12.5 cm long with straight shaft
- Cannulated suction bur tip
- Application: sinus drilling
- Operating speed: up to 12,000 rpm (forward)

○ *4.5 mm*

### Ordering

1884562HS | Aggressive router bur / 4.5 mm diameter / 12.5 cm long / high-speed / 3 each

## Round / Straight Burs

- 10.0–12.5 cm long with straight shaft
- Cannulated suction bur tip (1883262HS and 1884560HS)
- Operating speed in forward:
  Up to 5,000 rpm (1882960)
  Up to 12,000 rpm (1883262HS, 1884560HS)
- Applications:
  choanal atresia (1882960)
  sinus surgery (1883262HS)
  sphenoid drilling (1884560HS)

○ *2.9 mm* ○ *3.2 mm* ○ *4.5 mm*

### Ordering

1882960 | Pediatric round Bur / 2.9 mm diameter / 10.0 cm long / 5 each
1883262HS | Round bur / 3.2 mm diameter / 12.5 cm long / 3 each
1884560HS | Round bur / 4.5 mm diameter / 12.5 cm long / 3 each

# Curved sinus burs

## Round Diamond / 15° Bur

- 12.5 cm long with curved shaft
- Cannulated suction bur tip
- Application: trans-sphenoidal surgery
- Operating speed: up to 12,000 rpm (forward)
- Developed in conjunction with PJ Wormald, MD, and Aldo Stamm, MD

○ *5.0 mm* *15°*

### Ordering

1885061HS | Round bur / 5.0 mm diameter / 12.5 cm long / 15° curved / high-speed / 3 each

## Choanal Atresia / 15° Bur

- 13.0 cm long with curved shaft
- Application: removal of vomer
- Operating speed: up to 12,000 rpm (forward)
- Developed in conjunction with Gary Josephson, MD

○ *4.0 mm* *15°*

### Ordering

1883673HS | Choanal Atresia bur / 4.0 mm diameter / 13.0 cm long / 15° curved / high-speed / 3 each

# Curved sinus burs

## Tapered Diamond / 70° Bur

- 13.0 cm long with curved shaft
- Cannulated suction bur tip
- Application: frontal sinusotomy
- Operating speed: up to 12,000 rpm (forward)
- Developed in conjunction with David Kennedy, MD

4.0 mm | 70°

### Ordering

1883672HS | Tapered Diamond bur / 4.0 mm diameter / 13.0 cm long / 70° curved / high-speed / 3 each

## DCR / 15° Bur

- 11.0 cm long with curved shaft
- Application: endoscopic drilling of lacrimal bone
- Operating speed: up to 12,000 rpm (forward)
- Developed in conjunction with Michael Mercandetti, MD

4.0 mm | 15°

### Ordering

1884068HS | DCR bur / 4.0 mm diameter / 11.0 cm long / 15° curved / high-speed / 3 each

## DCR / 20° Diamond Bur

- 11.0 cm long with curved shaft
- Application: endoscopic drilling of lacrimal bone
- Operating speed: up to 12,000 rpm (forward)
- Developed in conjunction with Michael Mercandetti, MD

2.5 mm | 20°

### Ordering

1882569HS | DCR bur / 2.5 mm diameter / 11.0 cm long / 20° curved / high-speed / 3 each

## Septoplasty / 12° Bur

- 11.0 cm long with curved shaft
- Cannulated suction bur tip
- Application: removal of bony and cartilaginous septal deviations
- Operating speed: up to 12,000 rpm (forward)
- Developed in conjunction with Donald Leopold, MD, and Eileen Raynor, MD

3.2 mm | 12°

### Ordering

1883212HS | Septoplasty bur / 3.2 mm diameter / 11.0 cm long / 12° curved / high-speed /3 each





# Anterior skull base burs

## ASB Diamond / 15° Burs

- 15.0 cm long
- Application: Removal of bone in and around sphenoid, sella, clivus, and pterygoid plate
- Operating speed: up to 12,000 rpm (forward)
- Cannulated suction bur tip
- Fully integrated irrigation
- Developed in conjunction with PJ Wormald, MD, and Aldo Stamm, MD

3.2 mm | 5.0 mm | 15°

### Ordering

1883274HSE | Anterior skull base diamond bur / 3.2 mm diameter / 15.0 cm long / 15° curved / 1 each

1885076HSE | Anterior skull base diamond bur / 5.0 mm diameter / 15.0 cm long / 15° curved / 1 each

## ASB Cutting / 15° Bur

- 15.0 cm long
- Application: Removal of bone in and around sphenoid, sella, clivus, and pterygoid plate
- Operating speed: up to 12,000 rpm (forward)
- Cannulated suction bur tip
- Fully integrated irrigation
- Developed in conjunction with PJ Wormald, MD,and Aldo Stamm, MD

4.0 mm | 15°

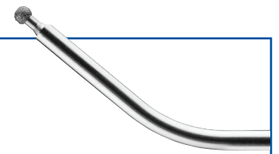
### Ordering

1884075HSE | Anterior skull base cutting bur / 4.0 mm diameter / 15.0 cm long / 15° curved / 1 each

## ASB Diamond / 40° Bur

- 15.0 cm long
- Application: Removal of bone in and around sphenoid, sella, clivus, and pterygoid plate
- Operating speed: up to 12,000 rpm (forward)
- Cannulated suction bur tip
- Fully integrated irrigation
- Developed in conjunction with PJ Wormald, MD, and Aldo Stamm, MD

3.2 mm | 40°



### Ordering

1883277HSE | Anterior skull base diamond bur / 3.2 mm diameter / 15.0 cm long / 40° curved / 1 each

## ASB Diamond / 70° Bur

- 13.0 cm long
- Application: Removal of frontal sinus septations and osteomas above the level of frontal recess
- Operating speed: up to 12,000 rpm (forward)
- Cannulated suction bur tip
- Fully integrated irrigation
- Developed in conjunction with PJ Wormald, MD, and Aldo Stamm, MD

5.0 mm | 70°

### Ordering

1885078HSE | Anterior skull base diamond bur / 5.0 mm diameter / 13.0 cm long / 70° curved / 1 each

# Airway blades – Rotatable

## Skimmer™ / 15° Blades

360°

- 13.0 - 27.0 cm long double-curved blade
- Low-profile distal bend: 15°
- Operating speed: 60-500 rpm
- Applications: papilloma removal, laryngomalacia, tumor removal (1882979HRE) / pediatric (1882979HRE) / trans-sphenoidal hypophysectomy (1882925HRE, 1882923HRE, 1882924HRE)

2.9 mm | 15°

### Ordering

1882979HRE | Skimmer airway blade / 2.9 mm diameter / 13.0 cm long / rotatable / angle-tip / 1 each with irrigation tubing
1882925HRE | Skimmer airway blade / 2.9 mm diameter / 18.0 cm long / rotatable / angle-tip / 1 each with irrigation tubing
1882923HRE | Skimmer airway blade / 2.9 mm diameter / 22.0 cm long / rotatable / angle-tip / 1 each with irrigation tubing
1882924HRE | Skimmer airway blade / 2.9 mm diameter / 27.0 cm long / rotatable / angle-tip / 1 each with irrigation tubing

## Tricut™ / 15° Laryngeal, Subglottic, Tracheal Blades

360°

- 22.0 - 37.0 cm long double-curved blade
- Angled tip allows better visibility with endoscopy
- Operating speed: 500-1,200 rpm
- Developed in conjunction with William Lunn, MD, and Armin Ernst, MD
- Application: tumor debulking, granulation tissue removal, tracheal stenosis (1884031HRE), debulking tracheal papilloma and lesions (1884033HRE)

4.0 mm | 15°

### Ordering

1884030HRE | Tricut airway blade / 4.0 mm diameter / 22.0 cm long / rotatable / angle-tip / laryngeal / 1 each with irrigation tubing
1884031HRE | Tricut airway blade / 4.0 mm diameter / 27.0 cm long / rotatable / angle-tip / subglottic / 1 each with irrigation tubing
1884033HRE | Tricut airway blade / 4.0 mm diameter / 37.0 cm long / rotatable / angle-tip / tracheal / 1 each with irrigation tubing

## Tricut™ / 15° Bronchial Blade

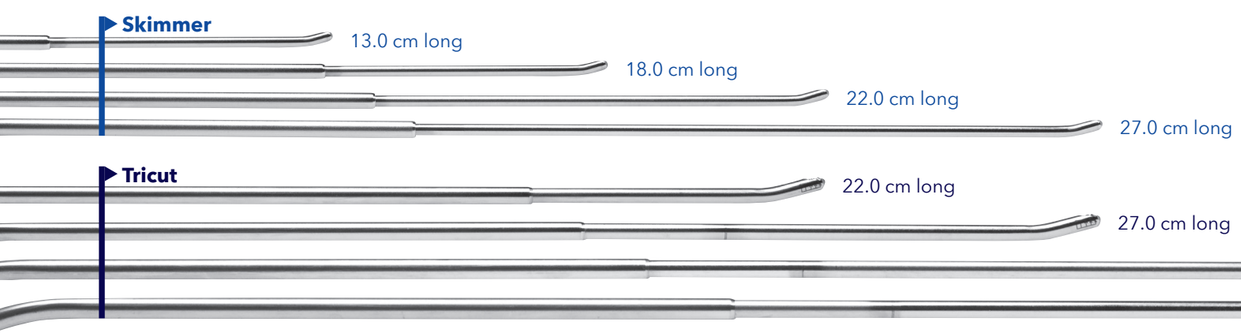
360°

- 45.0 cm long double-curved blade
- Rotating angled tip offers access to lateral, medial, and posterior bronchial lesions through a rigid bronchoscope
- Operating speed: 500-1,200 rpm
- Developed in conjunction with William Lunn, MD, and Armin Ernst, MD
- Application: debulking bronchial papilloma and lesions, tumor debulking, and granulation tissue removal

4.0 mm | 15°

### Ordering

1884035HRE | Tricut airway blade / 4.0 mm diameter / 45.0 cm long / rotatable / angle-tip / bronchial / 1 each with irrigation tubing




# Airway blades – Non-rotatable

## Skimmer™ / 15° Blade

- 18.0 cm long double-curved blade
- Operating speed: 60-500 rpm
- Low-profile distal bend: 15°
- Application: recurrent respiratory papilloma (RRP) removal and trans-sphenoidal hypophysectomy

3.5 mm | 15°

### Ordering

1883525 | Skimmer airway blade / 3.5 mm diameter / 18.0 cm long / angle-tip / 3 each with irrigation tubing

## Skimmer / 15° Laryngeal, Subglottic Blades

- 22.5 - 27.5 cm long double-curved blade
- Operating speed: 60-500 rpm
- Low-profile distal bend: 15°
- Application: recurrent respiratory papilloma removal and trans-sphenoidal hypophysectomy
- Developed in conjunction with Charles Myer, III, MD; Paul Wilging, MD; Brian Wiatrak, MD; Paul Flint, MD; David Parsons, MD; and John Little, MD

3.5 mm | 4.0 mm | 15°

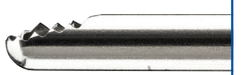
### Ordering

1883523 | Skimmer airway blade / 3.5 mm diameter / 22.5 cm long / angle-tip / laryngeal / 3 each with irrigation tubing
1884023 | Skimmer airway blade / 4.0 mm diameter / 22.5 cm long / angle-tip / laryngeal / 3 each with irrigation tubing
1883524 | Skimmer airway blade / 3.5 mm diameter / 27.5 cm long / angle-tip / subglottic / 3 each with irrigation tubing
1884024 | Skimmer airway blade / 4.0 mm diameter / 27.5 cm long / angle-tip / subglottic / 3 each with irrigation tubing

## Tricut™ / Laryngeal Blade

- 22.5 cm long
- Straight tip with curve at handpiece
- Application: debulking of RRP lesions
- Operating speed: 1,200 rpm
- Developed in conjunction with Paul Flint, MD, and John Little, MD

4.0 mm



### Ordering

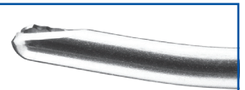
1884020 | Tricut airway blade / 4.0 mm diameter / 22.5 cm long / angle-tip / laryngeal / 3 each with irrigation tubing

# Airway blades – Non-rotatable

## Serrated / Blade

- 18.0/22.0 cm long double-curved blade
- Application: papilloma and hemangioma removal
- Operating speed: 500-1,500 rpm

*2.9 mm* *15°*



### Ordering

1882936E | Serrated airway blade / 2.9 mm diameter / 18.0 cm long / angle-tip / 1 each with irrigation tubing

1882937E | Serrated airway blade / 2.9 mm diameter / 22.0 cm long / angle-tip / 1 each with irrigation tubing

## Tracheal / Blade

- 37.0 cm long
- Straight tip to allow access through smaller diameter bronchoscope
- Operating speed: 1,200 rpm
- Application: debulking distal RRP and tracheal lesions
- Developed in conjunction with Paul Flint, MD, and John Little, MD

*4.0 mm*

### Ordering

1884032 | Tracheal airway blade / 4.0 mm diameter / 37.0 cm long / angle-tip / 1 each with irrigation tubing



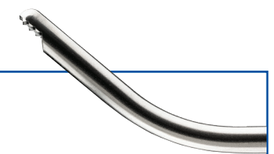


# Tonsillectomy and adenoidectomy

## RADenoid™ / 40° Blade

- 11.0 cm long with curved 40° blade
- Operating speed: 1,500 rpm
- Application: adenoidectomy
- Designed in conjunction with Max April, MD, and J. Lindhe Guarisco, MD

*4.0 mm* *40°*



### Ordering

1884008 | RADenoid blade / 4.0 mm diameter / 11.0 cm long / 40° curved / 5 each

## RADenoid / Adult 45° Blade

- 13.0 cm long with curved 45° blade
- Allows better access into the choana
- Operating speed: 1,500 rpm
- Application: adenoidectomy
- Designed in conjunction with Max April, MD, and J. Lindhe Guarisco, MD

*4.5 mm* *45°*

### Ordering

1884507 | RADenoid blade / 4.5 mm diameter / 13.0 cm long / 45° curved / 5 each

## Tonsillectomy / 12° Blade

- 11.0 cm long
- 12° blade
- Operating speed: 1,500 rpm
- Application: intracapsular tonsillectomy

*4.0 mm* *12°*

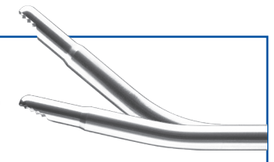
### Ordering

1884013 | Tonsillectomy blade / 4.0 mm diameter / 11.0 cm long / 12° curved / 5 each

## T&A Blade / Set

- 13.0 cm
- Removable inner cutting tube
- Operating speed: 1,500 rpm
- 12° outer blade designed for powered intracapsular tonsillectomy
- 40° outer blade designed for powered adenoidectomy
- Developed in conjunction with Peter J. Koltai, MD

*12°* *40°*



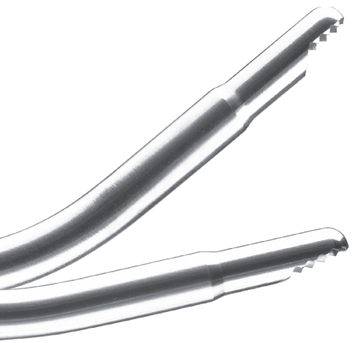
### Ordering

1884008TA | Powered T&A Blade Set / 13.0 cm long / 12° and 40° curved / 5 each

# The IPC™ powered T&A blade set

## For the PITA™ technique

Data has shown that PITA™ surgery (Powered Intracapsular Tonsillectomy and Adenoidectomy) offers improved perioperative ouctomes compared to electrocautery techniques.[13]* With interchangeable 12° and 40° outer cutting tubes, you can remove adenoids and tonsils in the traditional order.



Interchangeable 12° and 40° outer cutting tubes

*tonsillectomies were performed by either electrocautery or microdebriders, however, all adenoidectomies were performed with microdebriders when clinically indicated.



# Integrated Power Console (IPC™) system

- The innovative IPC™ system is an ENT powered surgery system with the widest range of application-specific handpieces and accessories
- With fingertip control on the StraightShot™ M5, the blade tip rotates 360° independently of the shaft

### StraightShot™ M5 microdebrider

- StraightShot™ M5 high-speed microdebrider (1899200)
- StraightShot™ M5 instrument tray (1899076)

### IPC™ System and Endo-Scrub™ 2

- IPC™ console (1898001)
- IPC™ multi-function foot pedal (1898430)
- Endo-Scrub™ 2 footswitch (1852000)

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14. Sobol SE, Wetmore RF, Marsh RR, Stow J, Jacobs IN. Post-operative recovery after microdebrider intracapsular or monopolar electrocautery tonsillectomy: a prospective, randomized, single-blinded study. *Arch Otolaryngol Head Neck Surg* 2006;132:270-4.
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Rx only. Refer to product instruction manual/package insert for instructions, warnings, precautions and contraindications.

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