

Endoscopic Carpal Tunnel Release System



Get Your
Patients
Up and Going
up to

50%
Faster¹

MICROAIRE[®]
SURGICAL INSTRUMENTS

MicroAire Carpal Tunnel Release System

Technological innovation that improves the quality of patient care.

The MicroAire Carpal Tunnel Release System is a technological breakthrough in carpal tunnel surgery. This innovative system, using a minimally-invasive approach, provides significant patient benefits.

A small incision at the base of the wrist creates an entry for the disposable blade assembly. An endoscope, connected to a standard video camera system, provides a clear view of the underside of the transverse carpal ligament. With the disposable blade assembly accurately positioned beneath the transverse carpal ligament, the surgeon elevates the retractable blade by means of a trigger, and withdraws the blade assembly—incising the ligament.

Patient Benefits

Patients benefit from a procedure which requires only a minimal incision at the wrist, resulting in less morbidity. Recovery time is lessened, with patients benefiting from:

- Early return to activities of daily living
- Early return to work—for non-worker's compensation patients—almost 50% faster than those who undergo conventional open carpal tunnel surgery^{1,3}
- Improved cosmetic results
- Faster recovery of grip and pinch strength³
- Less morbidity and scar tenderness³

Surgeon Benefits

Surgeons benefit from the extensive research and design work that has been clinically tested, resulting in:

- A simple, easy-to-use design
- A complete set of supporting instrumentation
- A surgical protocol developed and tested by a panel of hand surgeons¹
- Documented results^{1,2,3}
- Improved patient satisfaction

¹ Agee, JM et al: Endoscopic release of the carpal tunnel: A randomized prospective multicenter study. *Journal of Hand Surgery* 1992; 17(6): 987-995.

² Agee, JM et al: Endoscopic carpal tunnel release: A prospective study of complications and surgical experience. *Journal of Hand Surgery* 1995; 20A(2): 165-171.

³ Trumble, TE et al: Single-Portal Endoscopic Carpal Tunnel Release compared with open release. *JBJS*. July 2002; 84-A (7): 1107-1115.



System Components

- A** Disposable Blade Assembly: Convenient dispenser box holds six individually-packaged, sterile, disposable blade assemblies.
- B** 3.0mm Eyepiece Endoscope. This version connects to a standard camera coupler.
- C** Handpiece
- D** Synovium Elevator: Separates the synovium from the underside of the ligament for better identification of the ligament anatomy.

Design Features of the MicroAire Carpal Tunnel Release System

Disposable Blade Assembly

- The MicroAire Carpal Tunnel Release System's blade assembly is packaged sterile. It features a sharp retractable blade designed exclusively for transecting the transverse carpal ligament.
- A window at the tip of the disposable blade assembly provides a direct view of the transverse carpal ligament.
- The disposable blade assembly rotates to adjust to right- or left-handed surgery.

Handpiece

- The handpiece features a pistol grip and is designed for maximum comfort and control.
- The handpiece trigger elevates and retracts the blade for maximum safety and control.

Endoscope

- The scope's small diameter allows for a minimally-invasive incision.
- A direct connection between the endoscope and camera creates an easy-to-use, compact, lightweight system.



B
Endoscope

D



E
Hamate Finders

F
Sterilization Tray



E Hamate Finders: Used to prepare a path to aid the entry of the blade assembly. Their design helps the surgeon locate the distal margin of the transverse carpal ligament.

F Sterilization Tray: Provides safe and easy maintenance, sterilizing and storage for all of the instruments and endoscope, as well as any additional hand instruments.

MicroAire Carpal Tunnel Release System

Ordering Information

Catalog Number **Description**

Blades

81010-6 Disposable Blade Assembly (6 pack)

MicroAire Carpal Tunnel Release System Instrumentation

Complete System Consists of (Each Item Ordered Individually):

- 81014 Handpiece
- 81025 3.0 mm Eyepiece Autoclavable Endoscope with Storz and Wolf Light Post Adapters
- 81026 Hamate Finder-Small
- 81027 Hamate Finder-Medium
- 81029 Synovium Elevator
- 81061 Hamate Finder Coequal to Disposable Blade Assembly
- 81040 Sterilization Tray

* CTRS Surgical Protocol Video Available Upon Request (specify VHS or DVD)

Individual Components

- 81014 Handpiece
 - 81020 Refurbished 3.0 mm Non-Autoclavable Video Endoscope with Storz and Wolf Light Post Adapters
 - 81025 3.0 mm Eyepiece Autoclavable Endoscope with Storz and Wolf Light Post Adapters
 - 81023A Refurbished 3.0 mm Eyepiece Autoclavable Endoscope with Storz and Wolf Light Post Adapters
 - 81026 Hamate Finder-Small
 - 81027 Hamate Finder-Medium
 - 81029 Synovium Elevator
 - 81040 Sterilization Tray
 - 81061 Hamate Finder Coequal to Disposable Blade Assembly
 - 81151 Autoclavable Endoscope Light Post Adapter, Storz
 - 81152 Autoclavable Endoscope Light Post Adapter, Wolf
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