

# MMF Technology Reimagined

Invented by a surgeon, Minne Ties® Agile MMF (dental occlusion ties) are an innovative, patent-pending technology to rapidly, safely and securely achieve maxillomandibular fixation (MMF). Unlike arch bars or screw-based systems, Minne Ties are a non-invasive solution that provides the durable force necessary to achieve strong, secure MMF and excellent occlusion.

Minne Ties offer a number of benefits:

- Rapid application and removal save surgeon and OR time
- Elimination of sharp wires that can cause glove puncture and injury
- Flexibility to apply and remove in the OR, ED or clinic
- Requires less space for better access, visibility and tangle-free
- Reduced damage to patients' gingival and sensitive oral tissue
- Improved patient comfort

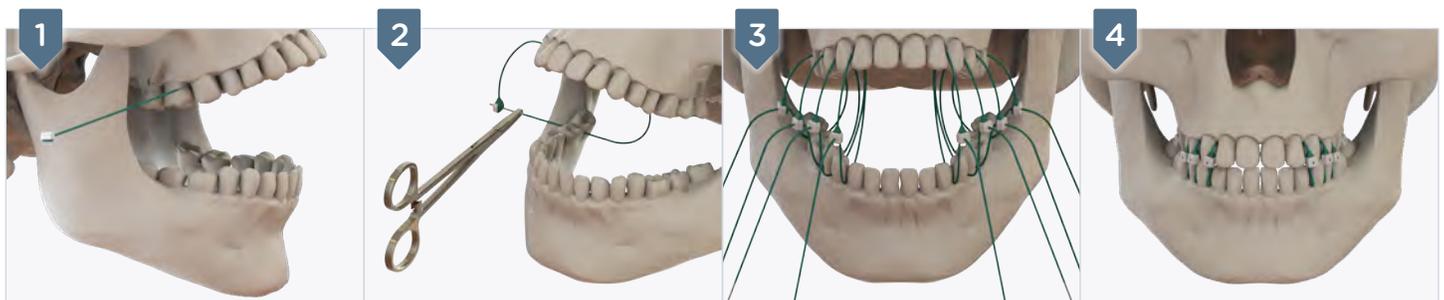
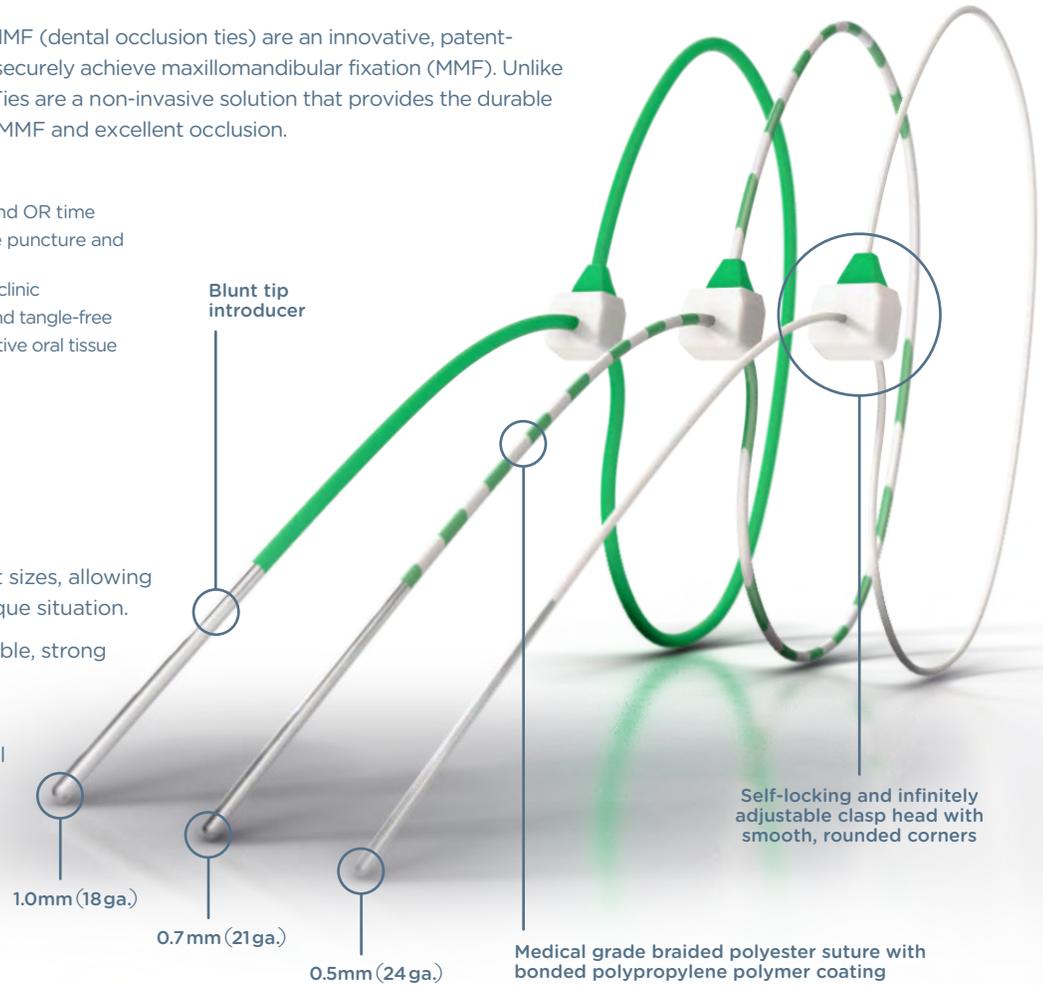
## Innovative Design

Minne Ties sutures come in three different sizes, allowing optimal application for each patient's unique situation.

The fastener provides an infinitely adjustable, strong and one-direction locking mechanism.

The non-invasive, stainless steel, blunt tip introducer is threaded through interdental spaces and through the clasp head.

The clasp head rests on the outside of the patient's teeth, and its rounded edges provide a smooth surface that minimizes irritation of the sensitive tissues of the mouth.



**APPLICATION** Each Minne Tie is introduced through the embrasures to create a loop. The stainless steel introducer is threaded through the green side of the clasp head. Apply the recommended four ties on each side, using the largest size possible to minimize potential floss out. Final tightening is done after all ties are placed. Each Minne Tie is trimmed after final tightening. Visit [MinneTies.com](http://MinneTies.com) for additional application instructions and other configurations.

# A Valuable Addition to Your MMF Toolbox

Minne Ties are medical grade braided polyester suture with a bonded polypropylene coating and finished off with a stainless steel blunt tip introducer. The clasp head is uniquely designed to be strong, infinitely adjustable and locking in one direction. Minne Ties are the only MMF device sterile packaged and ready for use.



## NON-INVASIVE. SAFE.

The blunt introducer eliminates sharp wires and screws that can puncture gloves and cause injuries to the surgeon and damage to the patient's gums and mouth, improving patient safety and comfort.



## RAPID. FLEXIBLE.

Application of Minne Ties is simple and takes about a minute per Tie, reducing total procedure time in or outside the O.R. Patient management can be done in the Emergency Department or clinic, allowing for more efficient utilization of resources.



## EFFICIENT. SECURE.

Minne Ties are low profile and take significantly less space, allowing better visibility and access for plating, and tangle-free suturing during closing. Using the recommended number of ties, Minne Ties provide strong, secure and durable MMF.



## COST-EFFECTIVE.

Minne Ties require less time than arch bars, as well as hybrid systems, saving costly surgeon and O.R. time. Removal of Minne Ties can be done outside the O.R., without general anesthesia, eliminating the need for additional O.R. time.



## Product configurations available for purchase include:

**12 Suture Kit** Includes an assortment of suture sizes

### MT-1000

- Eight large (1.0 mm)
- Four medium (0.7 mm)
- Cheek retractor custom designed to organize Ties during application

### Two Packs

Each two pack includes two sutures of the same size.

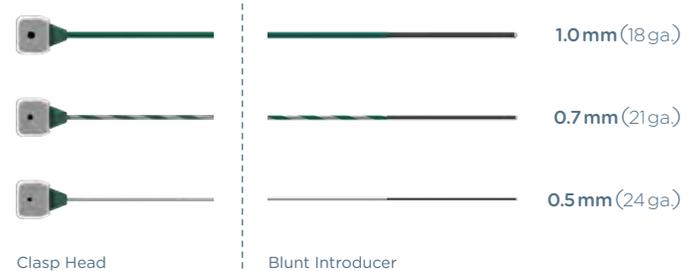
**MT-1001** Two large sutures (1.0 mm)

**MT-1002** Two medium sutures (0.7 mm)

**MT-1003** Two small sutures (0.5 mm)

### Materials

Polypropylene, Polyester, Stainless Steel



*Always refer to the instructions for use before using any Minne Ties products.*