OsteoCentric Spine

MIS Pedicle Fastener System

Featuring:
UnifiMI®
An OsteoCentric Technology

Mechanical Advantages of UnifiMI® Technology

UnifiMI Technology in a pedicle fastener application allows for an increase in stiffness in all planes including axial, lateral medial bending, flexion, and extension compared to the standard buttress thread option.[1]

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OsteoCentric MIS Pedicle Fastener System

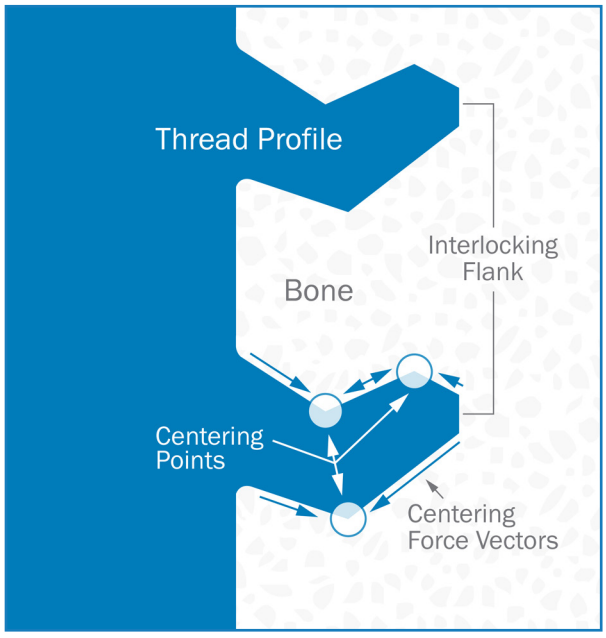
Educational Use Only – Do Not Distribute

Design Rationale & System Description

- Removable constraint collar provides extra control
- Visual guidance for rod delivery and construct locking
- Reliable, over-the-skin rod length measurement
- Common implant interfaces to reduce instrumentation
- 30mm integratedrod reduction capability
- Robust hybrid square thread minimizes cross threading during rod reduction

Enhanced by Unifi*MI*®

Unifi*MI* creates a 58% increase in implant off-axis stability[2].



Unique thread geometry instantly and circumferentially interlocks with bone by entrapping and containing bone between the thread form.

This mechanical interlocking creates a structural and functional connection between an implant and bone which performs similar to Biological Integration (Osseointegration).

OsteoCentric Fasteners are designed to create a new standard for primary implant stability and expedite robust long-term stability for implants utilizing Osseointegration (OI).

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MIS Pedicle Fastener Implant List

Part#	Description	Length (mm)
101-10001	Set Screw	
101-10035	5.5 Curved Rod	35
101-10040	5.5 Curved Rod	40
101-10045	5.5 Curved Rod	45
101-10050	5.5 Curved Rod	50
101-10055	5.5 Curved Rod	55
101-10060	5.5 Curved Rod	60
101-10065	5.5 Curved Rod	65
101-10070	5.5 Curved Rod	70
101-10075	5.5 Curved Rod	75
101-10080	5.5 Curved Rod	80
101-10090	5.5 Curved Rod	90
101-10100	5.5 Curved Rod	100
101-10110	5.5 Curved Rod	110
101-10120	5.5 Curved Rod	120
101-55035	5.5 Cann Extension Fastener	35
101-55040	5.5 Cann Extension Fastener	40
101-55045	5.5 Cann Extension Fastener	45
101-55050	5.5 Cann Extension Fastener	50
101-65035	6.5 Cann Extension Fastener	35
101-65040	6.5 Cann Extension Fastener	40
101-65045	6.5 Cann Extension Fastener	45
101-65050	6.5 Cann Extension Fastener	50
101-65055	6.5 Cann Extension Fastener	55
101-75030	7.5 Cann Extension Fastener	30
101-75035	7.5 Cann Extension Fastener	35
101-75040	7.5 Cann Extension Fastener	40
101-75045	7.5 Cann Extension Fastener	45

5.5mm Fastener

6.5mm Fastener

7.5mm Fastener

MIS Pedicle Fastener Instrument List

Part#	Description
101-0002	10.1 Nm Torque Limiter Handle
101-0004	Large Head Positioner
101-0016	Bullet Rod Introducer
101-0017	Bullet Rod Introducer Shaft
101-0019	Extension Counter Torque
101-0021	Rod Length Template
101-0022	T25 Driver, Square
101-0023	TAB Removal Tool
101-0024	T25 Driver, Hudson
101-0025	T25 Driver, 1/4 Square
101-0026	Compressor Top Handle
101-0027	Compressor Bottom Handle
101-0028	Distractor Top Handle
101-0029	Distractor Bottom Handle
101-90000	Sterilization Case Lid
101-90005	MIS Instrument Case
101-90009	MIS Instrument Case Upper Tray
101-90010	MIS Instrument Case Lower Tray
101-0001	Utility Screwdriver
101-0032	Straight Ratcheting Handle
101-0003	Short Ratcheting Handle
101-0005	T25 Tapered Tip
101-0006	T25 Hudson Tapered Inserter
101-0007	Cannulated Probe Handle
101-0008	Cannulated Probe Shaft
201-0009	Small Dilator Tube
201-0010	Medium Dilator Tube
201-0011	Large Dilator Tube
101-0012	5.5mm Cannulated Tap
101-0013	6.5mm Cannulated Tap
101-0014	7.5mm Cannulated Tap
101-0030	Restraint Tube
101-0031	MIS T25 Super Locking Driver
101-90000	Sterilization Case Lid
101-90001	Rod Module Lid
101-90004	MIS Implant Case
101-90007	MIS Implant Case Upper Tray
101-90008	MIS Implant Case Lower Tray
101-90002	Guidewire Sterilization Tube
101-90003	Rod Module
909-0480N	480mm Nitinol Guidewire

Reference:

1. Nguyen B, Le T, Vo H, Speece B, Webb L. A Novel Method for Evaluating Pedicle Screws Utilizing Unifi*MI* Thread Technology. Mercer Biomedical Engineering Society. Biomechanical Testing Report.

2. OsteoCentric testing data on file and numbers reflect specific tests in various medium and are not meant to reflect generic claims for improved performance across all clinical applications. Approved conditionally and non-product specific.

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