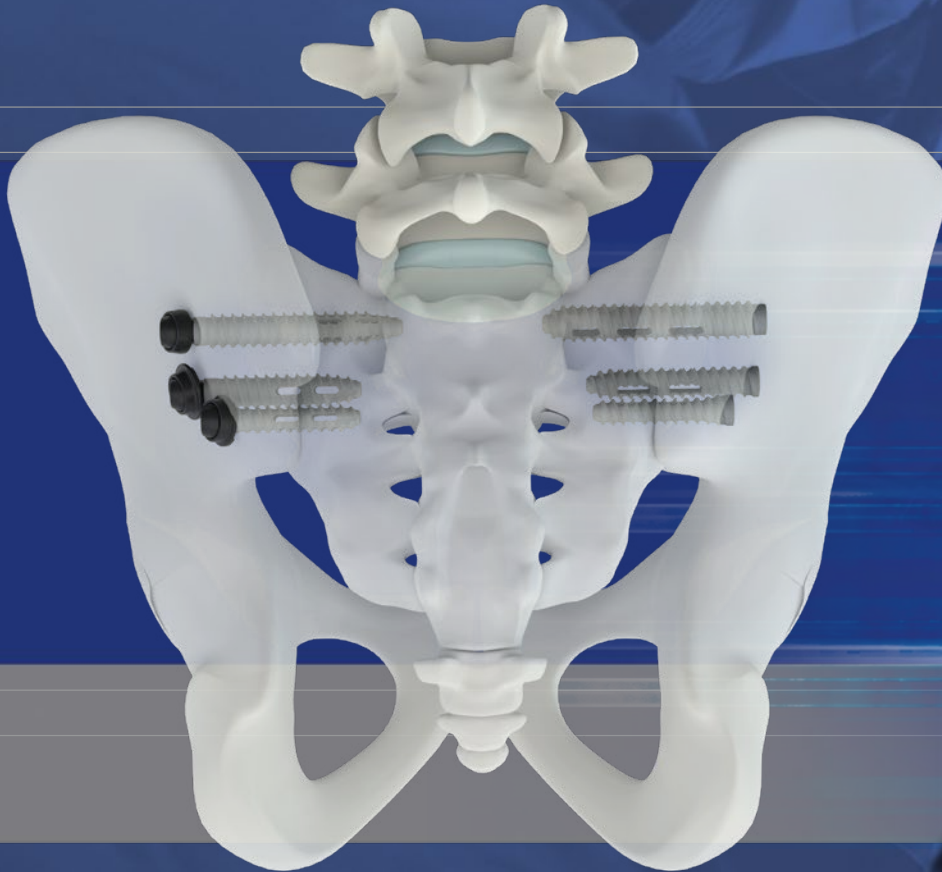


U.S.T.[®] SI

SACRO-ILIAC JOINT SCREW SYSTEM

A COMPLETE SYSTEM WITH DIFFERENT OPTIONS



Brochure

Joint

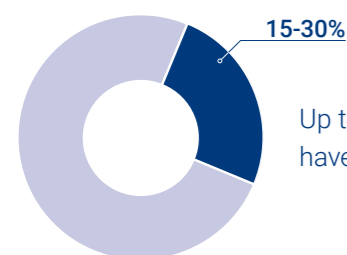
Spine

Sports Med

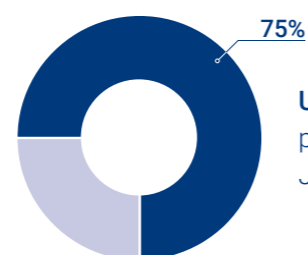
edacta
International 

WHAT CAUSES SI JOINT PAIN?

Low back pain (LBP) affects about 90% of adults and is extremely common in the modern society^[1]. Several studies recognize sacro iliac joint as an underestimated cause of LBP^[2], as well as a cause of pain in patients with prior lumbar fusion.



Up to 30% of patients with LBP have SI joint problems^[3]



Up to 75% post lumbar fusion patients will develop significant SI Joint degeneration after 5 years^[4]

The effect of radiologically guided injection of a local anaesthetic into the sacroiliac joint is not permanent. Sacroiliac joint stabilization should be considered for patients who do not respond to conservative treatments^[5].

M.U.S.T. SACRO ILIAC

The M.U.S.T. SI Implant System is intended for the sacroiliac joint fusion for skeletally mature patients suffering from **sacroiliac joint disruptions, degenerative sacroiliitis, and degenerative sacroiliac arthritis**, secondary to pelvic disruption.

MINIMALLY INVASIVE

Designed to reduce the surgical steps through an easy and controlled implantation, thus **avoiding any unnecessary soft tissue retraction.**

SAFE

Cannulated shaft (Ø3.2mm) to guide all instruments through the guide wire.
Tapered tip as aided guidance through the pilot hole.

SURROUNDING BONE ACCESS

Radial fenestration slots to allow **surrounding bone access** that may help to accelerate fusion through the implant.
Titanium implant coated with HA rough plasma spray potentially leads to bone fusion.

SMART INTRAOPERATIVE VERSATILITY

The surgeon can intraoperatively select between two different options. **One instrument set, two designs of screws** available.



STANDARD SCREW



HEADLESS SCREW

VERSATILE SYSTEM

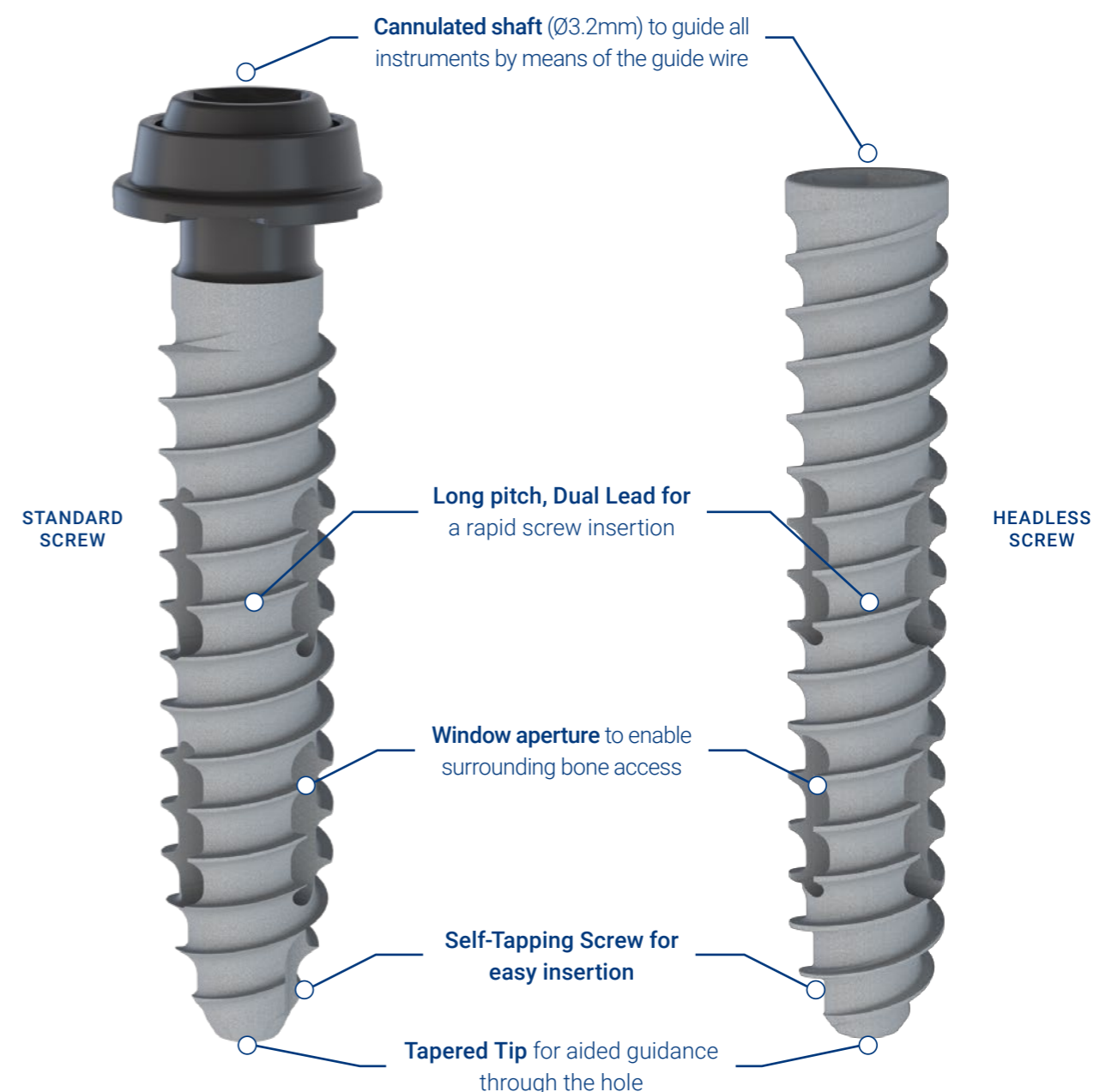
Two different screw designs allow the surgeons to select the design that **will best suit their patients' needs.**

STANDARD SCREW

- "One-size-fits-all" washer to achieve suitable **compression and proper load distribution** on the bone surface.
- Easy and fast intra-operative assembly.

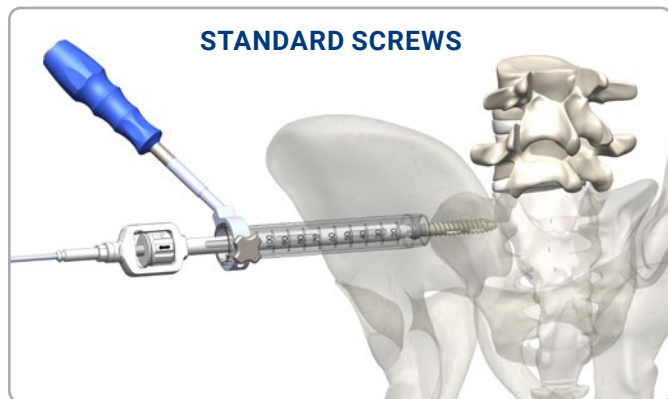
HEADLESS SCREW

- "Anatomical Headless Design": flush profile insertion into the bone.
- **Low Profile head**: prevents soft tissue irritation and impingement with the nerve roots.

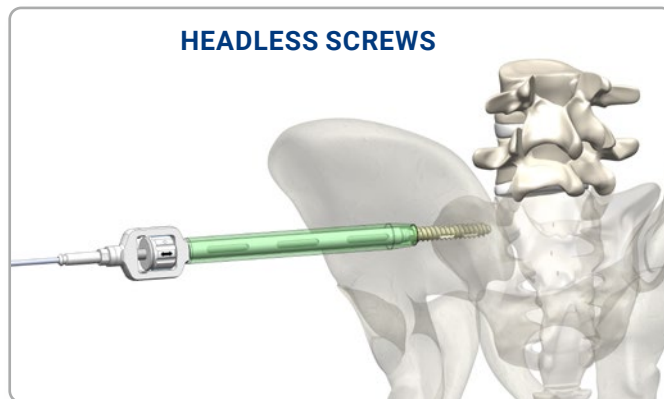


CONTROLLED IMPLANTATION

Simple instrumentation specifically developed to **control the penetration** of the screw into the bone.



Intrinsic mechanical stop through the head of the screw.



Dedicated instrument providing mechanical stop and stability.

FREEDOM OF CHOICE

A wide selection of implants provides the surgeon the possibility to select the best solution suited for patient's needs.



STANDARD SCREWS: Screw Diameter Ø: 8, 9* and 10 mm
Length: 25 ÷ 80 mm (5 mm increments)

WASHER:  Standard Ø: 13, 15, 17 and 20* mm (ROM up to 22°)

 Favored Angle Ø: 15, 17 and 20* mm (ROM up to 28°)



HEADLESS SCREWS: Screw Diameter Ø: 7.5, 9, 11mm
Length: 30 ÷ 75 mm (5 mm increments)

* On demand

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- [3] J.N. Sembrano and D.W.Polly, «How often is low back pain not coming from the back», *Spine*, vol.34, no.1, E27-E32, 2009
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- [5] B.A. Zelle et al., "Sacroiliac joint dysfunction: evaluation and management". *Clin J Pain*, 2005, 21(5)

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