



TW
Surgical

IMPACTOR



TW Surgical

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**UK
CA**

CE



SPINAL IMPACTOR

Spinal Impactors are used in neurosurgical procedures that require manipulation of bone, specifically lumbar and cervical vertebrae. This instrument is designed for use in reinforcing and impacting bone grafts that are done and is especially well suited for use in the unique shape of lumbar and cervical vertebrae. Different heads making it highly customizable and a good fit for almost any procedure.



TWS 93-1352/1015	Spinal Bone Graft Impactor, Straight 35cm Length, 5mm x 10mm Concave Grained Impactor Head, Material: Phenolic Handle and Stainless Steel
TWS 93-1352/1419	Spinal Bone Graft Impactor, Angled 35cm Length, 14mm x 19mm Rectangle Grained Impactor Head, Material: Phenolic Handle and Stainless Steel

SPINAL IMPACTOR



TWS 93-1203/0916	Spinal Bone Graft Impactor, Straight 20cm Length, 9mm x 16mm Rectangle Grained Impactor Head, Material: Phenolic Handle and Stainless Steel
TWS 93-1203/1523	Spinal Bone Graft Impactor, Straight 20cm Length, 15mm x 23mm Rectangle Grained Impactor Head, Material: Phenolic Handle and Stainless Steel
TWS 93-1204/0916	Spinal Bone Graft Impactor, Bayonet 20cm Length, 9mm x 16mm Rectangle Grained Impactor Head, Material: Phenolic Handle and Stainless Steel
TWS 93-1204/1523	Spinal Bone Graft Impactor, Bayonet 20cm Length, 15mm x 23mm Rectangle Grained Impactor Head, Material: Phenolic Handle and Stainless Steel

SPINAL IMPACTOR



TWS 93-1353/0916	Spinal Bone Graft Impactor, Straight 35cm Length, 9mm x 16mm Rectangle Grained Impactor Head, Material: Phenolic Handle and Stainless Steel
TWS 93-1353/1523	Spinal Bone Graft Impactor, Straight 35cm Length, 15mm x 23mm Rectangle Grained Impactor Head, Material: Phenolic Handle and Stainless Steel
TWS 93-1354/0916	Spinal Bone Graft Impactor, Bayonet 35cm Length, 9mm x 16mm Rectangle Grained Impactor Head, Material: Phenolic Handle and Stainless Steel
TWS 93-1354/1523	Spinal Bone Graft Impactor, Bayonet 35cm Length, 15mm x 23mm Rectangle Grained Impactor Head, Material: Phenolic Handle and Stainless Steel

Spinal Instrument – Spinal Impactors

Spinal Impactors are used in neurosurgical procedures that require manipulation of bone, specifically lumbar and cervical vertebrae.

Bone Graft Compaction: They help pack or compact bone graft material firmly into the spinal space to encourage successful bone growth and spinal fusion.



TWS 93-1826/1015	Grained Bone Graft Impactor, 26cm Length, Phenolic Handle 10mm x 15mm Grained Field Rectangular Impactor, Stainless Steel
TWS 93-1826/1217	Grained Bone Graft Impactor, 26cm Length, Phenolic Handle 12mm x 17mm Grained Field Rectangular Impactor, Stainless Steel
TWS 93-1826/1419	Grained Bone Graft Impactor, 26cm Length, Phenolic Handle 14mm x 19mm Grained Field Rectangular Impactor, Stainless Steel
TWS 93-1826/1621	Grained Bone Graft Impactor, 26cm Length, Phenolic Handle 16mm x 21mm Grained Field Rectangular Impactor, Stainless Steel
TWS 93-1841/1015	Grained Bone Graft Impactor, 35cm Length, Phenolic Handle 10mm x 15mm Grained Field Rectangular Impactor, Stainless Steel
TWS 93-1841/1217	Grained Bone Graft Impactor, 35cm Length, Phenolic Handle 12mm x 17mm Grained Field Rectangular Impactor, Stainless Steel
TWS 93-1841/1419	Grained Bone Graft Impactor, 35cm Length, Phenolic Handle 14mm x 19mm Grained Field Rectangular Impactor, Stainless Steel
TWS 93-1841/1621	Grained Bone Graft Impactor, 35cm Length, Phenolic Handle 16mm x 21mm Grained Field Rectangular Impactor, Stainless Steel

Spinal Instrument – Spinal Impactors

Spinal Impactors are used in neurosurgical procedures that require manipulation of bone, specifically lumbar and cervical vertebrae. This instrument is designed for use in reinforcing and impacting bone grafts that are made and is especially well suited for use in the unique shape of lumbar and cervical vertebrae. Different heads make it highly customizable and a good fit for almost any procedure.



TWS 93-1842/1015	Grained Bone Graft Impactor, 26cm Length, Phenolic Handle 10mm x 15mm Grained Diagonal Lattice Rectangular Impactor, Stainless Steel
TWS 93-1842/1217	Grained Bone Graft Impactor, 26cm Length, Phenolic Handle 12mm x 17mm Grained Diagonal Lattice Rectangular Impactor, Stainless Steel
TWS 93-1842/1419	Grained Bone Graft Impactor, 26cm Length, Phenolic Handle 14mm x 19mm Grained Diagonal Lattice Rectangular Impactor, Stainless Steel
TWS 93-1844/1015	Grained Bone Graft Impactor, 32cm Length, Phenolic Handle 10mm x 15mm Grained Diagonal Lattice Rectangular Impactor, Stainless Steel
TWS 93-1844/1217	Grained Bone Graft Impactor, 32cm Length, Phenolic Handle 12mm x 17mm Grained Diagonal Lattice Rectangular Impactor, Stainless Steel
TWS 93-1844/1419	Grained Bone Graft Impactor, 32cm Length, Phenolic Handle 14mm x 19mm Grained Diagonal Lattice Rectangular Impactor, Stainless Steel

TWS Deep Grained Bone Graft Impactor

Orthopaedic Impactor is a surgical instrument used to **drive, seat, shape, or pack bone and joint implants** by transmitting controlled mallet strikes to the surgical site.



Bone Graft Compaction: They help pack or compact bone graft material firmly into the spinal space to encourage successful bone growth and spinal fusion.

Deep and Small Grid:

- **Aggressive Engagement:** Designed for heavy-duty impaction. The deep gaps help trap and pack bone chips together efficiently. The tool might stick to the bone graft, making it harder to pull away smoothly.
- **Bone Protection:** Distributes impaction force evenly, making it ideal for shaping small bones or fine bone grafts without shattering them. Prone to slipping if the surgical site is covered in heavy blood or soft tissue.

Core Surgical Uses

- **Inserting Implants & Prostheses:** Driving permanent artificial components tightly into the bone cavity.
- **Seating Trials:** Pounding temporary sizing trials into place to check joint fit and stability before final implant insertion.
- **Impaction Bone Grafting:** Compacting and packing morselized bone chips into bone defects to create a solid foundation for reconstruction.
- **Fracture Reduction:** Gently tapping displaced bone fragments back into their anatomically correct alignment.
- **Shaping & Contouring:** Sculpting bone surfaces or preparing the marrow canal to perfectly match the shape of the upcoming implant.

TWS Deep Grained Bone Graft Impactor

Orthopaedic Impactor is a surgical instrument used to **drive, seat, shape, or pack bone and joint implants** by transmitting controlled mallet strikes to the surgical site.



TWS 93-1846/1015	Grained Bone Graft Impactor, 26cm Length, Phenolic Handle 10mm x 15mm Deep Grid Grained Field Rectangular Impactor, Stainless Steel
TWS 93-1846/1217	Grained Bone Graft Impactor, 26cm Length, Phenolic Handle 12mm x 17mm Deep Grid Grained Field Rectangular Impactor, Stainless Steel
TWS 93-1846/1419	Grained Bone Graft Impactor, 26cm Length, Phenolic Handle 14mm x 19mm Deep Grid Grained Field Rectangular Impactor, Stainless Steel
TWS 93-1846/1621	Grained Bone Graft Impactor, 26cm Length, Phenolic Handle 16mm x 21mm Deep Grid Grained Field Rectangular Impactor, Stainless Steel
TWS 93-1847/1015	Grained Bone Graft Impactor, 35cm Length, Phenolic Handle 10mm x 15mm Deep Grid Grained Field Rectangular Impactor, Stainless Steel
TWS 93-1847/1217	Grained Bone Graft Impactor, 35cm Length, Phenolic Handle 12mm x 17mm Deep Grid Grained Field Rectangular Impactor, Stainless Steel
TWS 93-1847/1419	Grained Bone Graft Impactor, 35cm Length, Phenolic Handle 14mm x 19mm Deep Grid Grained Field Rectangular Impactor, Stainless Steel
TWS 93-1847/1621	Grained Bone Graft Impactor, 35cm Length, Phenolic Handle 16mm x 21mm Deep Grid Grained Field Rectangular Impactor, Stainless Steel

SPINAL IMPACTOR



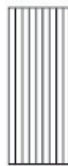
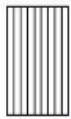
TWS 93-1355/0914	Spinal Bone Graft Impactor, Straight 26cm Length, 9mm x 14mm Small Grained Diagonal Lattice Rectangular Head, Material: Phenolic Handle and Stainless Steel
TWS 93-1355/1523	Spinal Bone Graft Impactor, Straight 26cm Length, 15mm x 23mm Small Grained Diagonal Lattice Rectangular Head, Material: Phenolic Handle and Stainless Steel
TWS 93-1356/0914	Spinal Bone Graft Impactor, Bayonet 26cm Length, 9mm x 14mm Small Grained Diagonal Lattice Rectangular Head, Material: Phenolic Handle and Stainless Steel
TWS 93-1356/1523	Spinal Bone Graft Impactor, Bayonet 26cm Length, 15mm x 23mm Small Grained Diagonal Lattice Rectangular Head, Material: Phenolic Handle and Stainless Steel

SPINAL IMPACTOR



TWS 93-1359/0914	Spinal Bone Graft Impactor, Straight 35cm Length, 9mm x 14mm Small Grained Diagonal Lattice Rectangular Head, Material: Phenolic Handle and Stainless Steel
TWS 93-1359/1523	Spinal Bone Graft Impactor, Straight 35cm Length, 15mm x 23mm Small Grained Diagonal Lattice Rectangular Head, Material: Phenolic Handle and Stainless Steel
TWS 93-1360/0914	Spinal Bone Graft Impactor, Bayonet 35cm Length, 9mm x 14mm Small Grained Diagonal Lattice Rectangular Head, Material: Phenolic Handle and Stainless Steel
TWS 93-1360/1523	Spinal Bone Graft Impactor, Bayonet 35cm Length, 15mm x 23mm Small Grained Diagonal Lattice Rectangular Head, Material: Phenolic Handle and Stainless Steel

SPINAL IMPACTOR



TWS 93-1828/0916	A Bone Graft Impactor, 34cm Length, 9mm x 16mm Horizontal Stripes Impactor, Material: Phenolic Handle and Stainless Steel
TWS 93-1828/0923	L Bone Graft Impactor, 34cm Length, 9mm x 23mm Horizontal Stripes Impactor, Material: Phenolic Handle and Stainless Steel



TWS 93-1829/10	Circular Bone Graft Impactor, 43cm Length, 33cm Shaft 1 cm Diameter Diagonal Lattice Impactor, Material: Stainless Steel
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SPINAL IMPACTOR

Spinal impactors are specialized surgical and research instruments primarily used to position bone grafts, seat spinal implants, or model traumatic spinal injuries.

In orthopedic and neurosurgery, hand-held spinal impactors function as mechanical tamps. They are tapped with a surgical mallet to perform the following:

- **Graft Driving and Packing:** They safely push and pack bone graft material tightly into interbody fusion cages or empty vertebral disc spaces.
- **Implant Seating:** They assist surgeons in safely pushing, driving, and securing spinal hardware into their precise anatomical alignment.
- **Fragment Management:** They are used to compress or reposition displaced bone fragments away from the spinal canal to relieve pressure on local nerve roots.



TWS 93-1240/0916NH	Spinal Bone Graft Impactor, Straight, 25cm Length, 9mm x 16mm Rectangle Grained Impactor Head, Material: Stainless Steel
TWS 93-1240/1523NH	Spinal Bone Graft Impactor, Straight, 25cm Length, 15mm x 23mm Rectangle Grained Impactor Head, Material: Stainless Steel
TWS 93-1250/0916NH	Spinal Bone Graft Impactor, Bayonet, 25cm Length, 9mm x 16mm Rectangle Grained Impactor Head, Material: Stainless Steel
TWS 93-1250/1523NH	Spinal Bone Graft Impactor, Bayonet, 25cm Length, 15mm x 23mm Rectangle Grained Impactor Head, Material: Stainless Steel

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TWS 93-1280/0916NH	Spinal Bone Graft Impactor, Straight, 25cm Length, 9mm x 16mm Deep Grid Grained Field Rectangle Impactor Head, Material: Stainless Steel
TWS 93-1280/1523NH	Spinal Bone Graft Impactor, Straight, 25cm Length, 15mm x 23mm Deep Grid Grained Field Rectangle Impactor Head, Material: Stainless Steel
TWS 93-1290/0916NH	Spinal Bone Graft Impactor, Bayonet, 25cm Length, 9mm x 16mm Deep Grid Grained Field Rectangle Impactor Head, Material: Stainless Steel
TWS 93-1290/1523NH	Spinal Bone Graft Impactor, Bayonet, 25cm Length, 15mm x 23mm Deep Grid Grained Field Rectangle Impactor Head, Material: Stainless Steel

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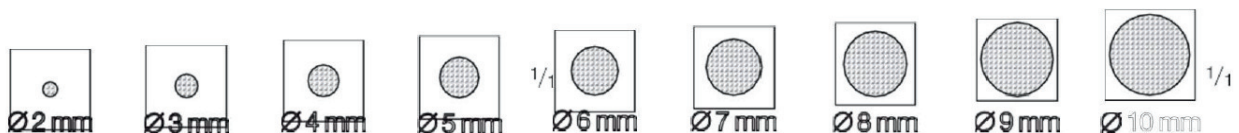


TWS 93-1320/0916NH	Spinal Bone Graft Impactor, Straight, 25cm Length, 9mm x 16mm Small Grained Diagonal Lattice Rectangular Head, Material: Stainless Steel
TWS 93-1320/1523NH	Spinal Bone Graft Impactor, Straight, 25cm Length, 15mm x 23mm Small Grained Diagonal Lattice Rectangular Head, Material: Stainless Steel
TWS 93-1330/0916NH	Spinal Bone Graft Impactor, Bayonet, 25cm Length, 9mm x 16mm Small Grained Diagonal Lattice Rectangular Head, Material: Stainless Steel
TWS 93-1330/1523NH	Spinal Bone Graft Impactor, Bayonet, 25cm Length, 15mm x 23mm Small Grained Diagonal Lattice Rectangular Head, Material: Stainless Steel

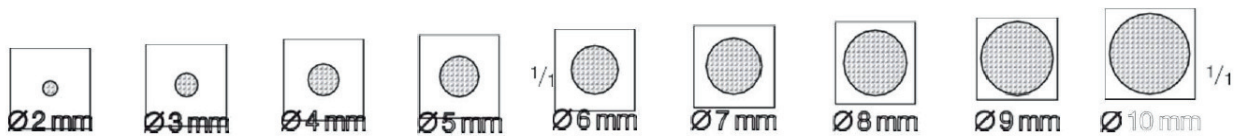
BONE TAMPER

TWS Bone Tamper is a specialized orthopedic tool that surgeons can use for tamping bone structures and bone grafting into fracture spaces and compacting to grow new tissue and repair the fracture. Surgeons can tamp small and large grafting into the necessary places.

- Round-Shaped Tip ends in a circular flat surface.
- Solid Design for Deep Surgical Access.
- Knurled handle provides a texture for gripping and minimizes fatigue for Superior Control.
- Serrated tip surface Ergonomic bone grafting packing.
- Premium grade stainless steel, granting the highest quality and performance

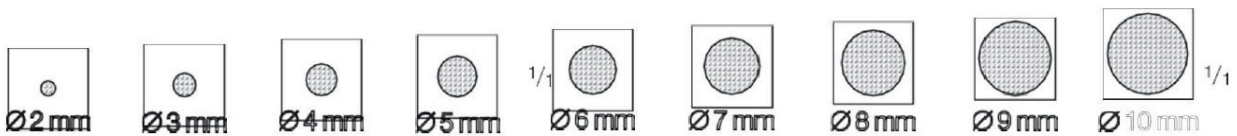


BONE TAMPER



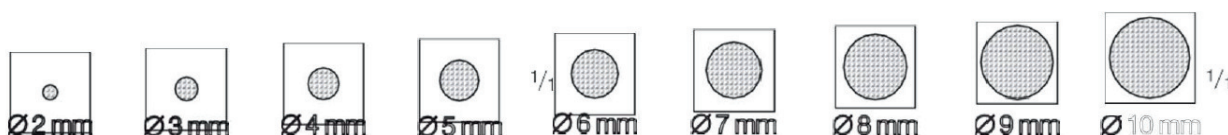
TWS 93-6160/02	Bone Tamper 2mm Diameter, 160mm Length, Stainless Steel, Knurled handle, serrated tip surface
TWS 93-6160/03	Bone Tamper 3mm Diameter, 160mm Length, Stainless Steel, Knurled handle, serrated tip surface
TWS 93-6160/04	Bone Tamper 4mm Diameter, 160mm Length, Stainless Steel, Knurled handle, serrated tip surface
TWS 93-6160/05	Bone Tamper 5mm Diameter, 160mm Length, Stainless Steel, Knurled handle, serrated tip surface
TWS 93-6160/06	Bone Tamper 6mm Diameter, 160mm Length, Stainless Steel, Knurled handle, serrated tip surface
TWS 93-6160/07	Bone Tamper 7mm Diameter, 160mm Length, Stainless Steel, Knurled handle, serrated tip surface
TWS 93-6160/08	Bone Tamper 8mm Diameter, 160mm Length, Stainless Steel, Knurled handle, serrated tip surface
TWS 93-6160/09	Bone Tamper 9mm Diameter, 160mm Length, Stainless Steel, Knurled handle, serrated tip surface
TWS 93-6160/10	Bone Tamper 10mm Diameter, 160mm Length, Stainless Steel, Knurled handle, serrated tip surface

BONE TAMPER



TWS 93-6200/02	Bone Tamper 2mm Diameter, 200mm Length, Stainless Steel, Knurled handle, serrated tip surface
TWS 93-6200/03	Bone Tamper 3mm Diameter, 200mm Length, Stainless Steel, Knurled handle, serrated tip surface
TWS 93-6200/04	Bone Tamper 4mm Diameter, 200mm Length, Stainless Steel, Knurled handle, serrated tip surface
TWS 93-6200/05	Bone Tamper 5mm Diameter, 200mm Length, Stainless Steel, Knurled handle, serrated tip surface
TWS 93-6200/06	Bone Tamper 6mm Diameter, 200mm Length, Stainless Steel, Knurled handle, serrated tip surface
TWS 93-6200/07	Bone Tamper 7mm Diameter, 200mm Length, Stainless Steel, Knurled handle, serrated tip surface
TWS 93-6200/08	Bone Tamper 8mm Diameter, 200mm Length, Stainless Steel, Knurled handle, serrated tip surface
TWS 93-6200/09	Bone Tamper 9mm Diameter, 200mm Length, Stainless Steel, Knurled handle, serrated tip surface
TWS 93-6200/10	Bone Tamper 10mm Diameter, 200mm Length, Stainless Steel, Knurled handle, serrated tip surface

BONE TAMPER



TWS 93-6240/02	Bone Tamper 2mm Diameter, 240mm Length, Stainless Steel, Knurled handle, serrated tip surface
TWS 93-6240/03	Bone Tamper 3mm Diameter, 240mm Length, Stainless Steel, Knurled handle, serrated tip surface
TWS 93-6240/04	Bone Tamper 4mm Diameter, 240mm Length, Stainless Steel, Knurled handle, serrated tip surface
TWS 93-6240/05	Bone Tamper 5mm Diameter, 240mm Length, Stainless Steel, Knurled handle, serrated tip surface
TWS 93-6240/06	Bone Tamper 6mm Diameter, 240mm Length, Stainless Steel, Knurled handle, serrated tip surface
TWS 93-6240/07	Bone Tamper 7mm Diameter, 240mm Length, Stainless Steel, Knurled handle, serrated tip surface
TWS 93-6240/08	Bone Tamper 8mm Diameter, 240mm Length, Stainless Steel, Knurled handle, serrated tip surface
TWS 93-6240/09	Bone Tamper 9mm Diameter, 240mm Length, Stainless Steel, Knurled handle, serrated tip surface
TWS 93-6240/10	Bone Tamper 10mm Diameter, 240mm Length, Stainless Steel, Knurled handle, serrated tip surface



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