Geistlich

META

SAFESCRAPERTWIST

The gold standard in intraoral bone harvesting

Safescraper TWIST provides an easy method to obtain autologous cortical bone with a minimally invasive technique.

The outstanding cutting performance of the blade allows for cortical shavings to be collected, while preserving maximum cell vitality, which is essential for graft integration.

The collected bone is already combined with blood and ready to be delivered to the defect, or mixed with **Geistlich Bio-Oss®**. It can also be temporarily maintained in aseptic conditions in the transparent chamber.

Geistlich Select

Product Code: MET-3987

MADE IN ITALY

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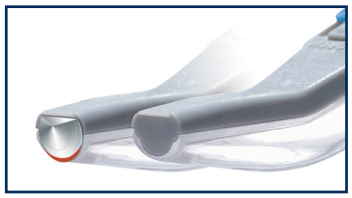
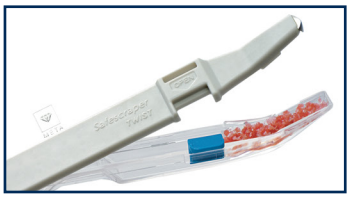

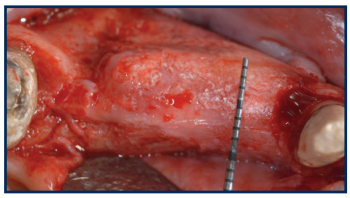

Courtesy of Dr. Ferdinando D'Avenia (Italy)

BENEFITS OF THE DEVICE

Ready to use: The disposable device is presented in individual sterile packages. Sterility in an undamaged package is guaranteed for 3 years. (from date of serialisation by the manufacturer)

Minimally invasive: The manual harvesting technique is less traumatic and well tolerated by the patient.

Useful: Cortical bone can be harvested from any intraoral site, including near the bone defect.

Versatile: It is the ideal device for both extensive and minor harvesting procedures. Its curved tip design facilitates access in all intraoral donor sites.

PROPERTIES OF THE CORTICAL GRAFT

High cellular vitality

The manual harvesting technique preserves the cellular component of the graft. The cortical shavings obtained by the safescraper TWIST blade contain vital and well preserved bone cells, particularly osteocytes (mean vitality:45-72%), but also osteoblasts, osteoclasts and osteoprogenitor cells.

Ideal morphology

The cortical bone obtained with the Safescraper TWIST looks like elongated and convoluted shavings. Mean length per shaving is 1.3mm and thickness ranges from 150-250µm.

ADVANTAGES OF THE DISPOSABLE SEMICIRCULAR BLADE

- Maximum cutting efficiency
- Accelerates the harvesting time
- Collects cortical bone shavings of appropriate size and thickness for graft intergration
- Excellent control during harvesting procedure
- Effective on any bone surface (plane, concave & convex)
- 160° cutting area range

Bone Augmentation Treatment/ Operation	Recipient Site Features	Bone Graft Volume
Post-extraction alveolar defect	Self-contained intra-bony defect or four-wall defect of premolar root volume	0.25-0.3 cc.
Sinus lift via crested approach, single patient placement	INDIRECT Schneiderian membrane elevation (Smartlift)	0.3 cc.
Sinus lift via crested approach, single patient placement	DIRECT Schneiderian membrane elevation (Detachment via 'Endosinus' or 'Endosinus-like' instruments)	0.4 cc.
Sinus lift via crested approach, 3 implant sites	Lateral window antrostomy, implants in position 4, 5 & 6 featuring residual bone height 7-8mm, 4-6mm, and 2-3mm respectively	2 cc.
Sinus lift via crested approach, 3 implant sites	Lateral window antrostomy, implants in position 5, 6 & 7 featuring residual bone height 4-6mm, 2-3mm and 1-2mm respectively.	3 cc.
Peri-implant dehiscence, single implant	Healthy mesial and distal adjacent teeth. Maximum implant surface exposure: 5 threads and 1/3 of the dental implant diameter	0.4 cc.
Peri-implant dehiscence, 2 adjacent implants	Healthy mesial and distal adjacent teeth. Maximum implant surface exposure: 5 threads and 1/3 of the dental implant diameter	0.7-0.8 cc.
Peri-implant dehiscence, 3 adjacent implants	Healthy mesial and distal adjacent teeth. Maximum implant surface exposure: 5 threads and 1/3 of the dental implant diameter	1.0-1.2 cc.
Peri-implant bone defect/dehiscence; horizontal alveolar ridge atrophy, 1 implant site	Lack of distal dental elements. Implant dental exposure > 5 thread and/ or > 1/3 of the dental implant diameter	1 cc.
Peri-implant bone defect/dehiscence; horizontal alveolar ridge atrophy, 2 implant site	Lack of distal dental elements. Implant dental exposure > 5 thread and/ or > 1/3 of the dental implant diameter	1.6-1.8 cc.
Peri-implant bone defect/dehiscence; horizontal alveolar ridge atrophy, 3 implant site	Lack of distal dental elements. Implant dental exposure > 5 thread and/ or > 1/3 of the dental implant diameter	2.0-2.6 cc.
Vertical alveolar defect, 3 implant sites	Lack of distal dental elements. 5mm vertical deficiency	2.5-3 cc.

Product Code: MET-3987 SAFESCRAPER TWIST - Curved version, chamber capacity: 2.5 cc

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