

SAFESCRAPER TWIST



The gold standard in intraoral bone harvesting

SAFESCRAPER TWIST provides an easy method to obtain ideal autologous cortical bone for grafts in any type of defects with a minimally invasive technique.

Easy to use, **SAFESCRAPER TWIST** makes autologous bone always available in any condition, both for small and large harvests.

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

The bone collected is already combined with blood and ready to be positioned in the defect, or it can be temporary maintained in aseptic conditions in the transparent chamber.



SAFESCRAPER TWIST



Benefits of the device

Ready to use

The disposable device is presented in individual sterile packages. Its sterility in an undamaged package is guaranteed for 3 years.

Minimally invasive

The manual harvesting technique is non-traumatic and well tolerated by the patient.

Useful

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

Versatile

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



Ideal morphology

The cortical bone obtained with **SAFESCRAPER TWIST** looks like a elongated and convoluted shaving of a mean length of 1.3 mm and thickness ranging between 150 and 250 µm.

High cells vitality

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

Advantages of the disposable semicircular blade

- Maximum cutting efficiency
- Accelerates the harvesting time
- 160° cutting area range
- Collects cortical bone shavings of appropriate size and thickness for the graft integration
- Effective on any bone surface (plane, concave, convex)
- Excellent control during the harvesting procedure
- No contamination due to the wear of the device

BONE AUGMENTATION TREATMENT	RECIPIENT SITE FEATURES	BONE GRAFT VOLUME
Sinus lift via lateral approach, 3 implant sites	Lateral window antrostomy, implants in position 4, 5 and 6 featuring residual bone height 7-8 mm, 6-4 mm, 3-2 mm respectively	2,0 cc
Sinus lift via lateral approach, 3 implant sites	Lateral window antrostomy, implants in position 5, 6 and 7 featuring residual bone height 6-4 mm, 3-2 mm, 1-2 mm respectively	3,0 cc
Peri-implant dehiscence, 2 adjacent implants Healthy mesial and distal adjacent teeth	Maximum implant surface exposition: 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 exposition: 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 surface exposition > 5 threads and/or > 1/3 of the dental implant diameter	1,0 cc
Peri-implant bone defect/dehiscence; horizontal alveolar ridge atrophy, 2 implant sites	Lack of distal dental elements. Implant surface exposition > 5 threads 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 sites	Lack of distal dental elements. Implant surface xposition > 5 threads 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 5 mm vertical deficiency	2,5-3,0 cc

Ref. 3598 SAFESCRAPER TWIST straight version (chamber capacity 3,0 cc) 3 disposable units, sterile packaging

Ref. 3987 SAFESCRAPER TWIST curve version (chamber capacity 2,5 cc) 3 disposable units, sterile packaging



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