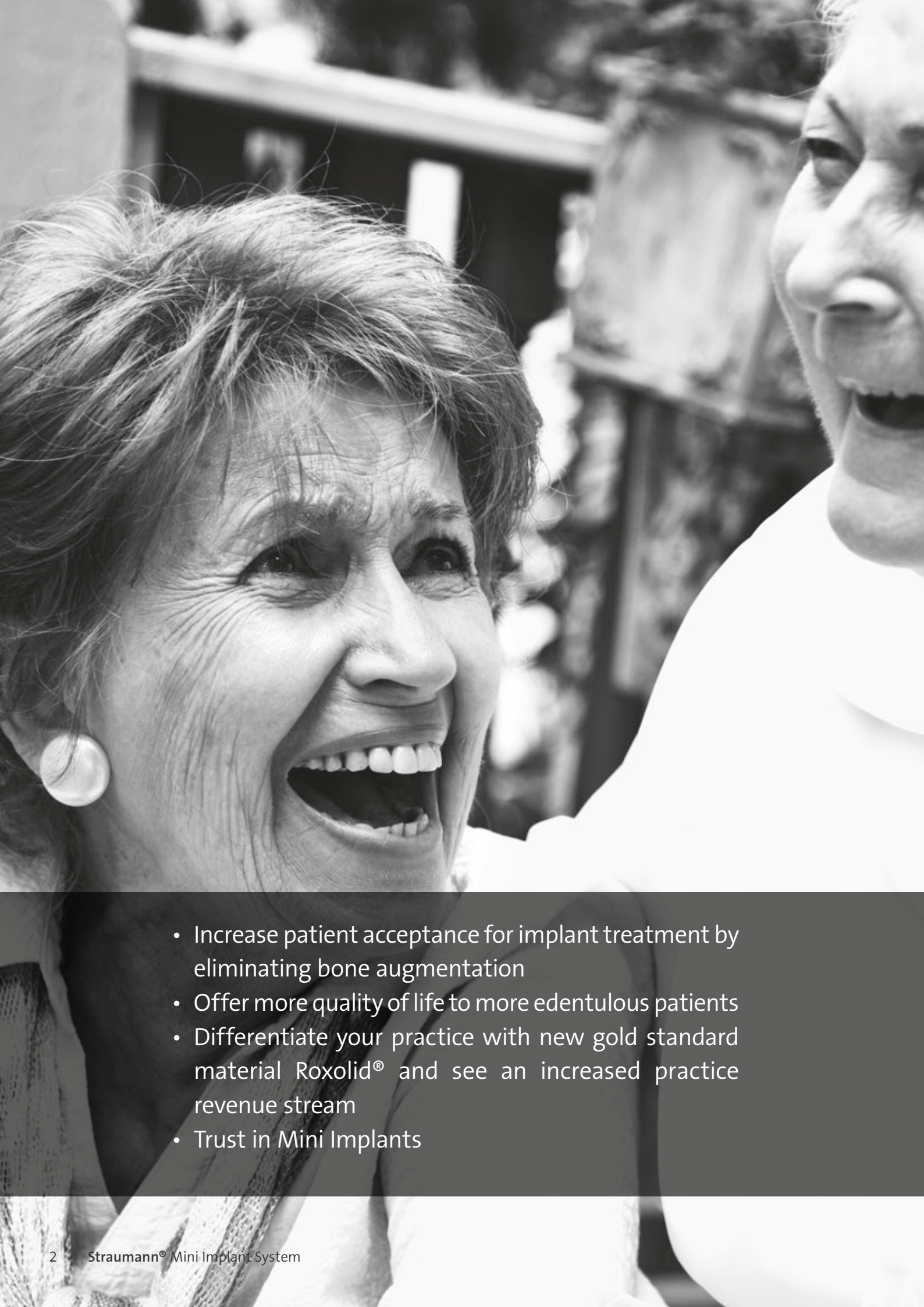
EDENTULOUS PATIENTS

Straumann® Pro Arch Edentulous Solutions > Removable

Straumann® Mini Implant System

Mini Implant. Maximum trust.

straumann



- Increase patient acceptance for implant treatment by eliminating bone augmentation
- Offer more quality of life to more edentulous patients
- Differentiate your practice with new gold standard material Roxolid® and see an increased practice revenue stream
- Trust in Mini Implants

Mini Implant. Maximum trust.

Smiling, laughing and eating naturally add to a quality of life that every edentulous patient would love to maintain.

Now you can provide edentulous patients presenting reduced horizontal bone availability with a less invasive*, mmediate removable fixation of their overdenture. You and your patients can rely on a trusted brand, premium quality and long-term scientific evidence. Less invasive* treatment plans, faster healing and less post-operative discomfort can help to overcome many patient doubts.

* if GBR can be avoided

Roxolid®

ROXOLID® PROVEN QUALITY

SLA®

SLA® LONG-TERM SCIENTIFIC EVIDENCE

OPTILOC® DURABILITY AND EFFICIENCY

Mini Implant System

Optiloc®

- Less space needed

In combination, the materials PEEK and ADLC* contribute to:**

- excellent wear resistance
- exceptional long-term performance
- low maintenance
- low friction between abutment and matrix

Apically tapered implant body design

- allows underpreparation and supports a high primary stability

* ADLC: Amorphous diamond-like carbon ** PEEK: Poly Ether Ether Ketone *** Subject to the guarantee conditions of Institut Straumann AG (see brochure 151.360/en). Matrices and retention inserts are not covered by the guarantee as these are subject to natural wear and tear.

Roxolid®

- High material strength and biocompatibility
- Peace of mind with mini implants

SLA®

- Predictability in osseointegration
- Scientific evidence
- Low prevalence of peri-implantitis
- Bone preservation

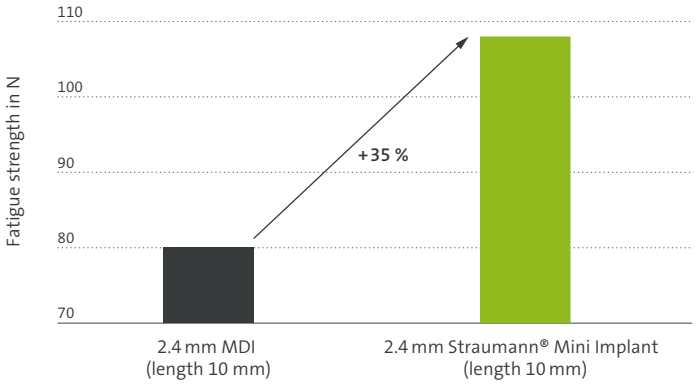
Selection of 6 retention strengths

extra light | light | medium | strong | extra strong | ultra strong

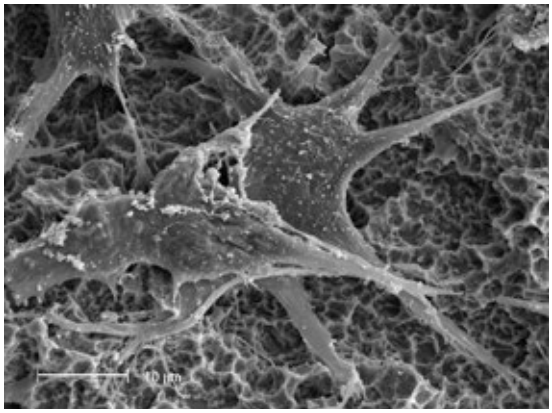
Designed to trust

ROXOLID® – PROVEN QUALITY

- Higher mechanical strength compared to titanium[1]
- The successful use of Roxolid® has been documented in numerous clinical trials with up to 5-year follow-ups[2]



Source: data on file, according to ISO 14801, conditions 2016
Straumann® Mini Implants, made from Roxolid® show a 35 % higher fatigue strength than competitor mini implants.



SLA® – LONG-TERM SCIENTIFIC EVIDENCE

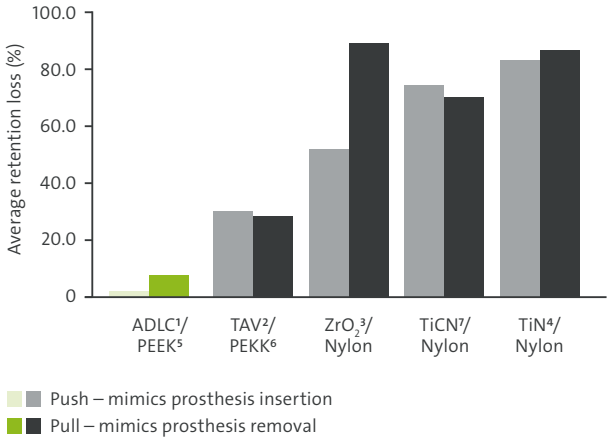
- High and consistent survival rates between 95.1 % and 98.8 % documented by different studies after 5- and 10-year follow-ups[3–9]
- Very low prevalence of peri-implantitis (1.8 %) over the 10-year follow-up period[4]
- Average bone loss of 0.5–1 mm after 10 years (baseline defined as implant loading time)[4,5]

REFERENCES

1 Norm ASTM F67 (states min. tensile strength of annealed titanium). **2** http://www.straumann.com/science-roxolid.html. **3** Fischer K, Stenberg T.: Prospective 10-year cohort study based on a randomized controlled trial (RCT) on implant-supported full-arch maxillary prostheses. Part 1: sandblasted and acid-etched implants and mucosal tissue. Clin Implant Dent Relat Res. 2012 Dec;14(6):808-15. **4** van Velzen FJ, Ofec R, Schulten EA, Ten Bruggenkate CM. 10-year survival rate and the incidence of peri-implant disease of 374 titanium dental implants with an SLA surface: a prospective cohort study in 177 fully and partially edentulous patients. Clin Oral Implants Res. 2015 Oct;26(10):1121-8 **5** Cochran DL, Jackson JM, Bernard JP, ten Bruggenkate CM, Buser D, Taylor TD, Weingart D, Schoolfield JD, Jones AA, Oates TW Jr. A 5-year prospective multicenter study of early loaded titanium implants with a sandblasted and acid-etched surface. Int J Oral Maxillofac Implants. 2011 Nov-Dec;26(6):1324-32. **6** Cochran D, Oates T, Morton D, Jones A, Buser D, Peters F. Clinical field trial examining an implant with a sand-blasted, acid-etched surface. J Periodontol. 2007 Jun;78(6):974-82. **7** Bornstein MM, Schmid B, Belser UC, Lussi A, Buser D. Early loading of non-submerged titanium implants with a sandblasted and acid-etched surface. 5-year results of a prospective study in partially edentulous patients. Clin Oral Implants Res. 2005 Dec;16(6):631-8. **8** Roccuzzo M, Aglietta M, Bunino M, Bonino L. Early loading of sandblasted and acid-etched implants: a randomized-controlled double-blind split-mouth study. Five-year results. Clin Oral Implants Res. 2008 Feb;19(2):148-52. **9** Derks J, Schaller D, Håkansson J, Wennström JL, Tomasi C, Berglundh T. Effectiveness of Implant Therapy Analyzed in a Swedish Population: Prevalence of Peri-implantitis. J Dent Res. 2016 Jan;95(1):43-9. doi

OPTILOC® – DURABILITY AND EFFICIENCY

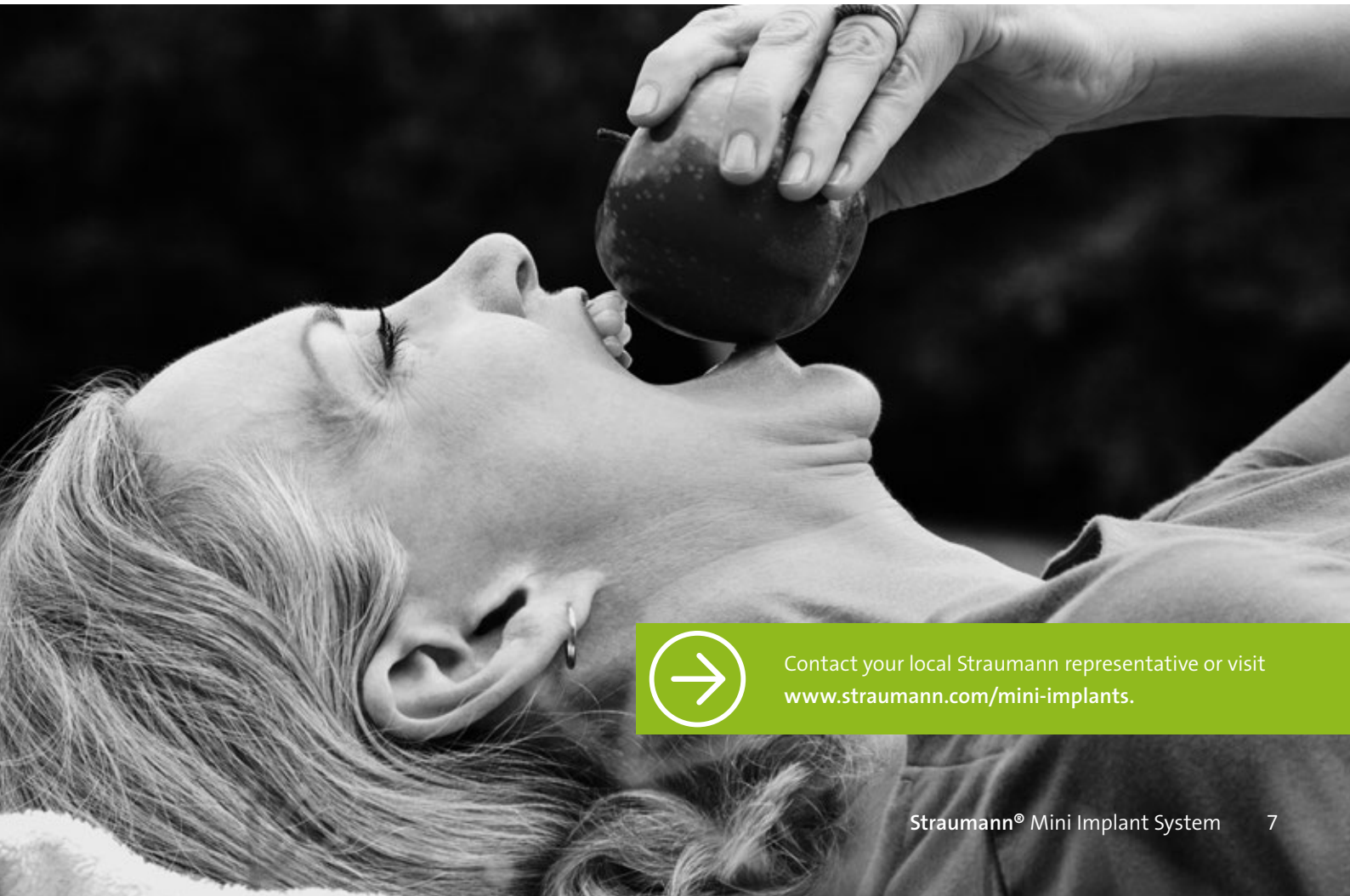
- Space-saving design
- Reduced maintenance
- ADLC in combination with PEEK



[1] Amorphous diamond-like carbon, [2] Titanium Aluminum Vanadium, [3] Zirconium dioxide, [4] Titanium Nitride, [5] Polyether ether ketone, [6] Polyetherketoneketone, [7] Titanium Carbonitride, * 2 implants with straight abutments placed in different angulations (0°, 7°, 12°)

Combination of ADLC-coated abutment and PEEK retention inserts: A reliable connection that endures

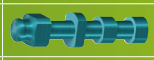
Retention loss after 10'000 cycles of the straight abutment performed in phosphate buffered saline (pH 7.4) at room temperature. Data represents difference between the basal (100 cycles) and final (10'000 cycles) measurements (Fmax) presented as percentage change (source: Straumann, data on file).



Contact your local Straumann representative or visit **www.straumann.com/mini-implants.**

STRAUMANN® MINI IMPLANTS ROXOLID® SLA®

Art. No.		Article
Straumann® Mini Implants		
042.944S		Mini Implant Ø 2.4 mm, SLA®, ADLC, 10 mm
042.945S		Mini Implant Ø 2.4 mm, SLA®, ADLC, 12 mm
042.946S		Mini Implant Ø 2.4 mm, SLA®, ADLC, 14 mm

Auxiliary Parts		
046.796		Paralleling Post for Mini Implants, sterile
170.1		Adapter Optiloc® for handpiece, length 26 mm
170.2		Adapter Optiloc® for ratchet, length 17 mm
027.0007S		Needle drill, long, single use
027.0011S		2.2 mm BLT Pilot Drill long, single use, TAN
2102.0024-STM		Optiloc® Model Analog, blue, 4 pcs.
2102.0012-STM		Optiloc® Forming/fixing matrix, red, 4 pcs.

OPTILOC® PROCESSING PACKAGE, RETENTION INSERTS AND MATRIX HOUSINGS

Art. No.		Article
Processing Package		
5202.0001-STM		Optiloc® Processing package Optiloc® Matrix housing, titanium, 2 pcs. Optiloc® Retention insert, white, light, 2 pcs. Optiloc® Retention insert, yellow, medium, 2 pcs. Optiloc® Retention insert, green, strong, 2 pcs. Optiloc® Mounting collar, silicone, 2 pcs.
Retention Inserts		
2102.0003-STM		Optiloc® Retention insert, red, extra-light, 4 pcs.
2102.0004-STM		Optiloc® Retention insert, white, light, 4 pcs.
2102.0005-STM		Optiloc® Retention insert, yellow, medium, 4 pcs.
2102.0006-STM		Optiloc® Retention insert, green, strong, 4 pcs.
2102.0007-STM		Optiloc® Retention insert, blue, extra-strong, 4 pcs.
2102.0008-STM		Optiloc® Retention insert, black, ultra-strong, 4 pcs.

Matrix Housings		
2102.0001-STM		Optiloc® Matrix housing, titanium, 4 pcs.
2102.0009-STM		Optiloc® Matrix housing, titanium, elliptic, 4 pcs.
2102.0010-STM		Optiloc® Matrix housing with attachment option, 4 pcs.

OPTILOC® TOOLS AND AUXILIARY PARTS

Art. No.		Article
5102.0000-STM		Optiloc® Equipment box, incl. 3 tools Optiloc® Mounting tool + model analog reposition aid (blue) Optiloc® Mounting and demounting tool for retention inserts (brown) Optiloc® Matrix housing extractor (gray)
2102.0023-STM		Optiloc® Processing Spacer, white, 4 pcs.
2102.0011-STM		Optiloc® Mounting collar, silicone, 10 pcs.
3202.0001-STM		Optiloc® Mounting and demounting tool for retention inserts (brown)
3202.0002-STM		Optiloc® Mounting tool + model analog reposition aid (blue)
3202.0003-STM		Optiloc® Matrix housing extractor (gray)
046.795		X-ray Reference Foil for Mini Implants
049.076V4		X-ray reference spheres, Ø 5 mm, stainless steel
046.119		Ratchet includes service instrument length 84 mm stainless steel
066.1100		Torque control device for ratchet – surgical, stainless steel
046.064		Holding Key length 85 mm stainless steel
045.111V4		Cleaning Brush for Ratchet length 100 mm, Ø 4.5 mm Stainless steel/ Nylon

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