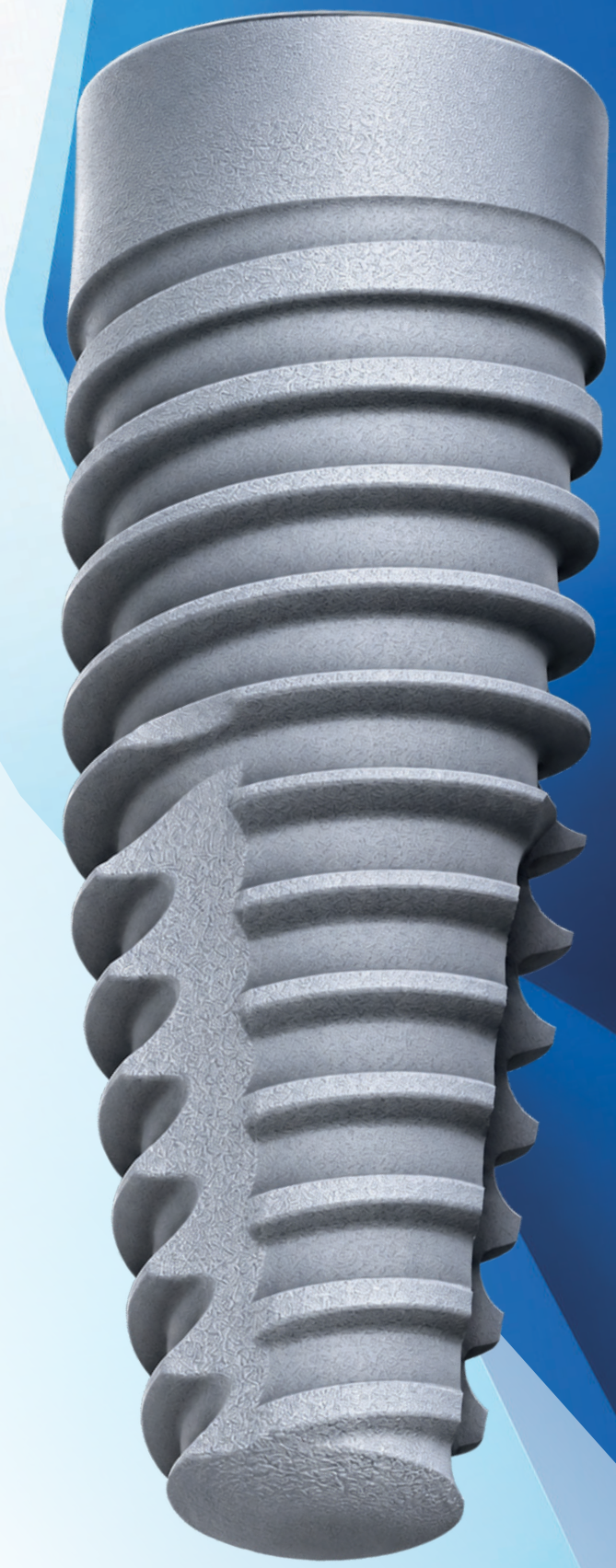
DESS



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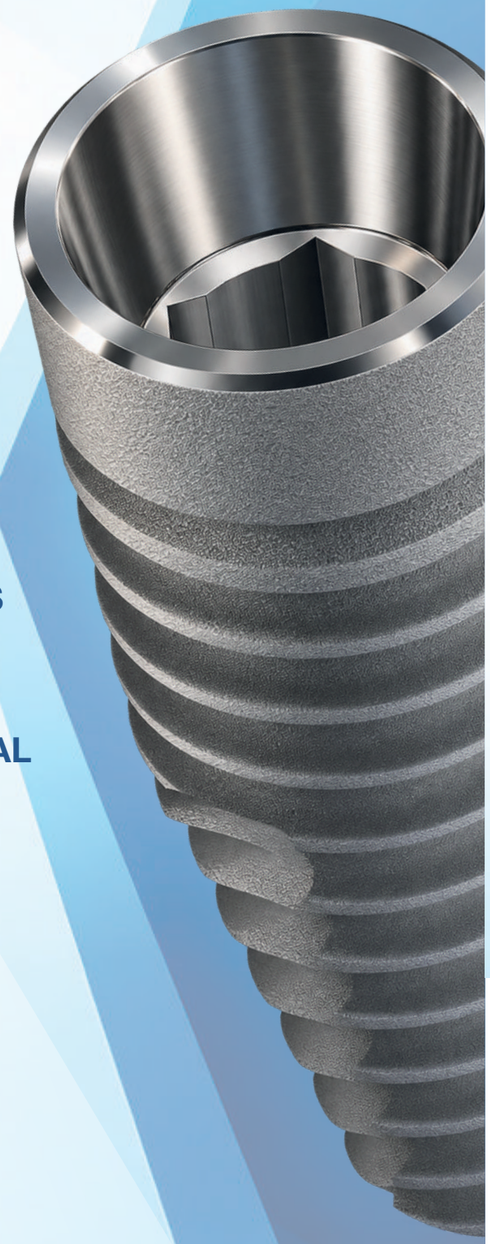


DESS

ONE MORSE

DESIGNED TO INSPIRE CONFIDENCE

Made from cold-worked Grade 4 titanium, the DESS® ONE MORSE implant combines a tapered, self-cutting design with a spherical apical morphology, promoting high primary stability in lower-density bone and more controlled insertion in higher-density bone, with progressive compaction of the crestal bone.

DISCOVER ONE MORSE
Scan to learn more

One prosthetic **platform** | Complete **restorative range** | Predictable **results** | Reliable **aesthetics**

ONE MORSE

CYLINDRICAL PROFILE

Toward the coronal zone, the design becomes more cylindrical with less aggressive threads, allowing smoother insertion, bone compaction, stable seating, and favorable load transfer at the crestal level.

The implant can be placed subcrestal, between 1 and 2 mm, which promotes bone preservation and better long-term integration.

THE CONNECTION

16° Morse taper connection is designed to provide a precise fit between the implant and abutment.

This geometry supports an effective seal and may contribute to long-term mechanical stability.

PLATFORM SWITCHING
(crestal load management)

Smaller abutment diameter designed to support platform switching benefits and help optimize crestal load distribution.

Osseointegration Surface Technology

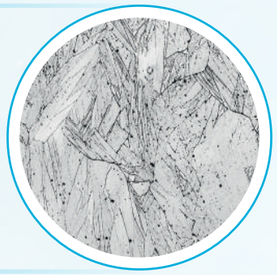
Double treatment:
(acid etch & sandblasting) assures optimal bone growth. *Complies with SLA standards.*

PRODUCT FEATURES

Key connection features supporting fit, stability and long-term restorative performance.

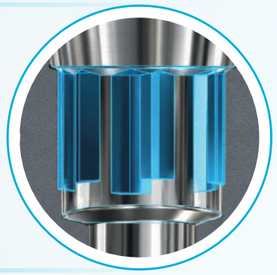
Titanium Grade 4
(mechanical resistance)

- Cold-worked Titanium Grade 4
- Provides superior mechanical resistance



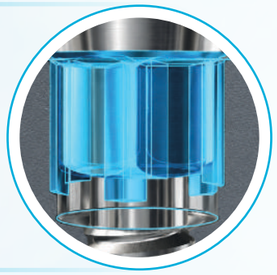
Internal indexing
(guided positioning)

- Guides positioning during prosthetic placement
- Helps prevent rotation
- Supports restorative precision



Deep connection geometry
(stable load distribution)

- Large contact area supports a more even load distribution
- Designed to enhance long-term connection stability



Apical Design
(primary stability)

- Tapered, self-cutting apical design
- Supports insertion in soft and very soft bone
- Helps achieve excellent primary stability

ONE MORSE
SURGICAL KIT

STREAMLINED SURGICAL WORKFLOW

The DESS® ONE MORSE surgical kit offers a clear, streamlined set-up for implant preparation, with a modular layout designed to support the selected protocol.
Includes the essential instruments for drilling, depth verification and implant placement.

DRILL SIZES

Lengths: 8 / 10 / 11.5 / 13 / 16 / 18 mm
Diameters (color-coded):

Modular & customizable
(adaptable workflow)

- Arrange the drilling sequence according to protocol and case needs.
- Supports different clinical indications.

Step-by-step organization
(efficient preparation)

- Precision, conical and cortical drills with depth gauges and drivers.
- Clear and intuitive layout for easy instrument identification.

Consistent preparation
(predictable workflow)

- Streamlined set-up for a safe and efficient surgical procedure.
- Designed to support predictable clinical outcomes.

SURGICAL KIT
CONTENTS

Essential instruments organized for a clear and efficient surgical workflow.

What's included

- Precision drills
- Conical drills
- Cortical drills
- Depth gauges
- Implant drivers
- Screwdriver & handles

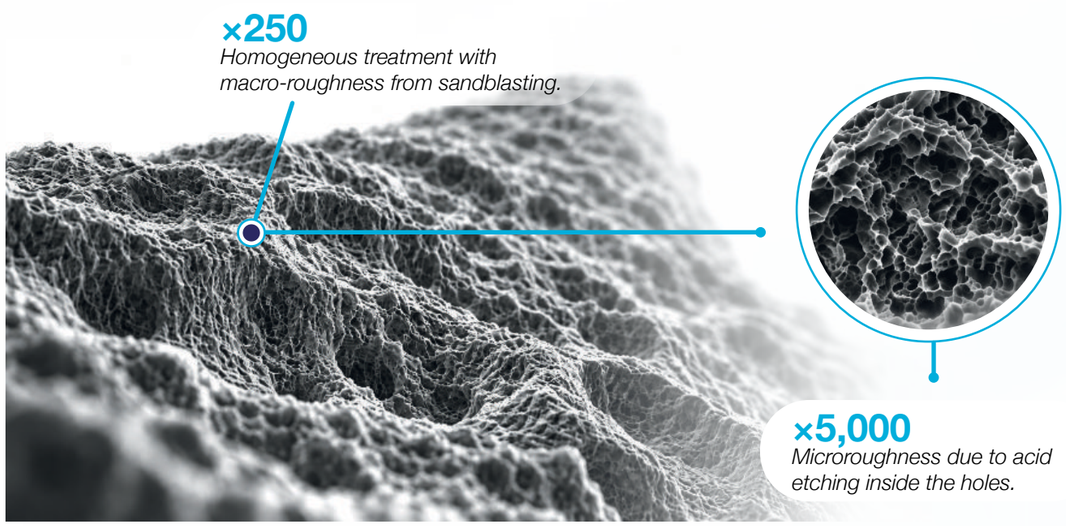
IMPLANT
AVAILABILITY

Length (mm)	ø 3.5	ø 3.75	ø 4.0	ø 4.3	ø 5.0	ø 6.0	ø 7.0
8.0	✓	✓	✓	✓	✓	✓	✓
10	✓	✓	✓	✓	✓	✓	✓
11.5	✓	✓	✓	✓	✓	✓	✓
13	✓	✓	✓	✓	✓		
16	✓	✓	✓	✓	✓		
18	✓	✓	✓	✓	✓		

THE SCIENCE BEHIND: OST® BY DESS®

Our Osseointegration Surface Technology combines sandblasting and acid etching to create dual-scale roughness.

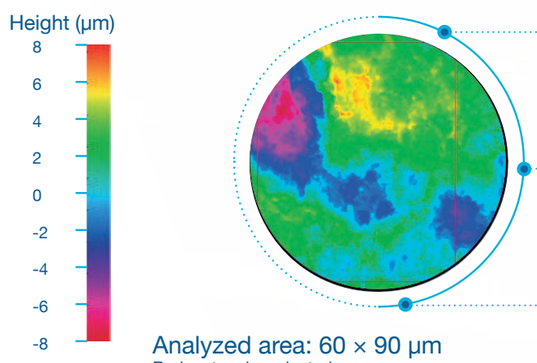
- Sandblasting with aluminum oxide particles: for mechanical fixation
- Double acid etching: microroughness designed to support osseointegration



Optimal surface topography for osseointegration.

SURFACE ROUGHNESS BY STEREO SEM *OST® BY DESS®*

ISO 25178 parameters



Analyzed area: 60 × 90 µm
Red rectangle: selected area

ACCEPTANCE LIMITS

Sa
≥ 1.10 µm
Average height of the selected area

Sdr
≥ 30%
Developed interfacial area ratio

Sz
> 8 µm
Maximum height of the selected area

RESULTS

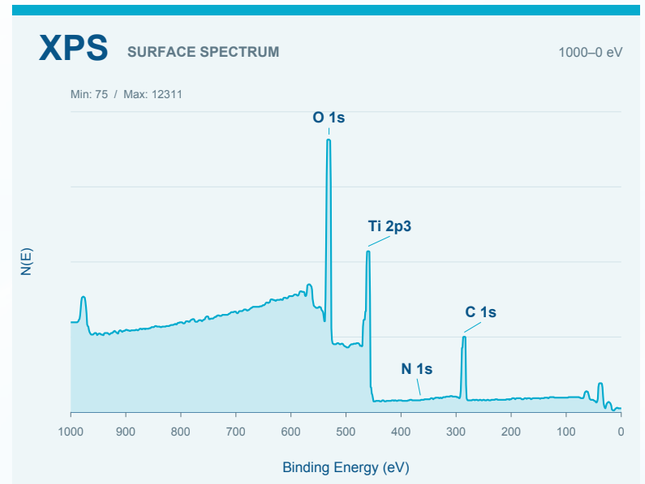
The height image obtained by Stereo SEM analysis shows the treated DESS® implant surface. The red rectangle marks the analyzed 60 × 90 µm area.

CONCLUSION

The source report states that treated DESS® implants comply with the defined values for SLA treatment.

ANALYSIS OF SURFACE CHEMISTRY BY XPS

Made from cold-worked Grade 4 titanium, the surface composition analysis shows:



SURFACE COMPOSITION
DESS® IMPLANTS

ELEMENT	DESS®	STANDARD*
O	46.4%	>40%
Ti	19.5%	>17%
N	0.4%	<3%
C	33.7%	<40%

As defined by QP1_2018

QUALITY & REGULATORY DOCUMENTATION

Our implants are manufactured under ISO 13485:2016 for the design, development and manufacturing of dental implants.

01
ISO 13485:2016
Quality management system

02
CE
Conformity documentation

03
MDSAP
Quality system documentation

04
FDA 510(k)
Reference: K212538

DIGITAL WORKFLOW

01 SINGLE & BRIDGE
DIGITAL SOLUTIONS

Healing Abutment

Scan Abutment

Digital Analog

Ti-Base

ANGLEBase®

C-Base®

Premilled Blank

ASC Blank

02 FULL ARCH
DIGITAL SOLUTIONS

MUA+

MUA

ON TOP OF MUA

Flat screw

Scan Abutment

Ti-Base

ANGLEBase®

DESSLoc®

03 REMOVABLE SOLUTIONS
DIGITAL SOLUTIONS

Scan Abutment

Digital Analog

Bar Attachment

DESSLoc & Angled DESSLoc

Fiduciary Markers

TRADITIONAL WORKFLOW

01 SINGLE & BRIDGE
TRADITIONAL SOLUTIONS

Healing Abutment

Transfer

Analog

Temporary Abutment

ON TOP OF MUA

Transfer

Temporary Abutment

Temporary Abutment

ONE MORSE

One prosthetic platform
across seven implant diameters

Scan to explore
the complete system.

LIFETIME WARRANTY
CONFIDENCE IN EVERY COMPONENT

DESS® implants are backed by a lifetime warranty. Coverage also extends to DESS® components and, under specific conditions, to third-party implants used with our components.

WHY CAN WE OFFER A LIFETIME WARRANTY?

- Rigorous quality controls
- 100% visual inspection
- Extensive fatigue testing

Scan to access:

Warranty & Claims

IFUs & Instructions

Important
Third-party implant coverage does not apply once the original implant warranty period has expired. Warranty claims are subject to compliance with the recommendations and instructions provided in the relevant IFUs.

PREMIUM TITANIUM VIAL
TITANIUM TO TITANIUM

Designed to protect and preserve the implant in a titanium environment.

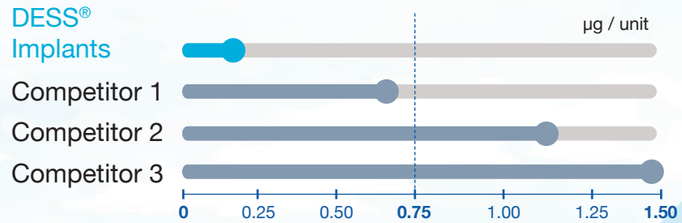
Key Benefits

- Titanium-to-titanium environment
- Improved implant preservation
- Reduced risk of contamination from other materials
- Premium protection system

CLEANING REPORT:
TOC

Total Organic Carbon analysis evaluates implant cleanliness.

Method: QIMA-0160
Oxidability / Conductimetry



ACCEPTANCE LIMIT **≤ 0.75 µg / unit**

GIVE PACKAGING
A SECOND LIFE

Return complete implant packaging through Re-Life. DESS® manages collection and recycling.

RETURN THE COMPLETE PACK
Each returned pack should include:

- **Cardboard box**
- **PET blister**
- **Titanium vial**

1 **RETURN**
Place the empty titanium vial into the blister.

2 **COLLECT**
Store the complete packs.

3 **REPACK**
Put the blister back into the cardboard box.

4 **SEND BACK**
Return them through your usual supplier or distributor.

10 = 1

Return 10 complete packs.
Receive 1 free implant.

RETURN. RECYCLE. REWARD
Together, we can close the loop.

ONE MORSE

IMPLANTS & TOOLS

- Included in the surgical kit Ø = diameter L = length

IMPLANTS

Length	Ø 3.5	Ø 3.75	Ø 4.0	Ø 4.3	Ø 5.0	Ø 6.0	Ø 7.0
8.0 mm	ING0350080	ING0375080	ING0400080	ING0430080	ING0500080	ING0600080	ING0700080
10 mm	ING0350100	ING0375100	ING0400100	ING0430100	ING0500100	ING0600100	ING0700100
11.5 mm	ING0350115	ING0375115	ING0400115	ING0430115	ING0500115	ING0600115	ING0700115
13 mm	ING0350130	ING0375130	ING0400130	ING0430130	ING0500130	—	—
16 mm	ING0350160	ING0375160	ING0400160	ING0430160	ING0500160	—	—
18 mm	ING0350180	ING0375180	ING0400180	ING0430180	ING0500180	—	—

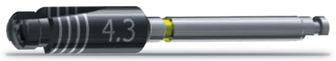
How to read the code: ING 0430 115 = Ø 4.3 × 11.5 mm

DRILLS

L 35 mm	Ø 2.0	Ø 3.5	Ø 3.75	Ø 4.0	Ø 4.3	Ø 5.0	Ø 6.0	Ø 7.0
•Conical	TDRNEO20L	TDRNEO35	TDRNEO37	TDRNEO40	TDRNEO43	TDRNEO50	TDRNEO60	TDRNEO70
•Conical +	TDRNEO20H	TDRNEO35L	TDRNEO37L	TDRNEO40L	TDRNEO43L	TDRNEO50L	—	—
•Cortical	—	TDRNEO35C	TDRNEO37C	TDRNEO40C	TDRNEO43C	TDRNEO50C	—	—

CONICAL DRILL
TDRNEO + Ø

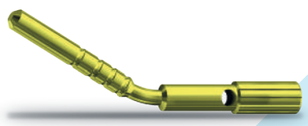
CONICAL DRILL +
TDRNEO + Ø + L



CORTICAL DRILL
TDRNEO + Ø + C

PARALLELIZERS

	Ø 3.5	Ø 3.75	Ø 4.0	Ø 4.3	Ø 5.0	Angled 17°	Angled 30°
•	TPINNEO35	TPINNEO375	TPINNEO40	TPINNEO43	TPINNEO50	TPINNEO20A17	TPINNEO20A30



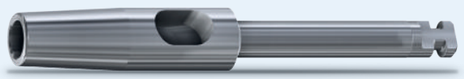
IMPLANT DRIVERS

Length	Ref. 1	Ref. 2
28 mm	• TTRNEOS	TTRTC28R
37 mm	• TTRNEOL	TTRTC37R

INSTRUMENTS

- **Torque Wrench Tool**
  DTSTTWC

- **Drill Extension**
  DRILLEXTEND

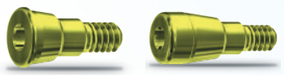


- **Special Tools**
  DTSTCAC
  DTSTTRC

Screw Drivers

24 mm	**DT24NG**
• 30 mm	**DT30NG**
35 mm	**DT35NG**

COVER SCREW



Height	0 mm	2 mm
	20.135-0/0	20.135-0/2

HOW TO ORDER

1 Choose diameter and length in the implant table (page 14).
2 Check the drills and instruments: items marked • are already in your surgical kit.
3 Order with the reference code from your DESS® distributor or at www.dessdental.com

DESS

PURE SWITCH "simple switch, perfect connection" periocoat® SelectGrip®

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