



**DSI DENTAL**  
SOLUTIONS

# **DSI Implant INTERNAL HEX 2.0**

[www.dsisrael.com](http://www.dsisrael.com)

# DSI implant.system

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## WHAT DOES IT TAKE TO TURN A TITANIUM SCREW INTO A MEDICAL DEVICE?

Developing a successful implant system requires knowledge about biology and mechanics, as well as a deep understanding of the way both fields interact.

DSI implant systems provide predictable and straightforward solutions for the implantologist.

Our main goal is to gain the ultimate integration between the human body and the implant. Titanium is considered the most biocompatible metal, due to its resistance to corrosion from body fluids, bio-inertness and high fatigue limit.

Our in-house surface treatment takes the titanium to the next level. Recent studies clearly indicate that that initial bone healing and long-term marginal bone stability are affected by the implant's design and surface properties (thread geometry, cleanliness, porosity, macro/micro- morphology). Both short and long-term successful clinical results are directly related to the features of the implant.

With the right conditions, they assist our implants to integrate naturally within the human body and provide the ultimate substitute for natural teeth where all of the system's parts work together in symbiosis.

The DSI system offers extensive range of implants and prosthetic parts, designed in a "one-fits-all" implant diameters.

This unique and simple system creates a more convenient working environment, offering predictable results and unsurpassed flexibility.



# clean.surfaces

**DSI unique and improved multi-stage cleaning process gently removes residues left from manufacturing, leaving the surface free of contamination.**

## MULTI-STAGE CLEANING

Continuous  
monitoring of  
production stages

## ULTRA HIGH SURFACE FINISH

Inspection of  
products by energy  
dispersive X-ray

## PROTECTIVE PACKAGING

ISO 7 (Class 10,000)  
Clean room  
assembly

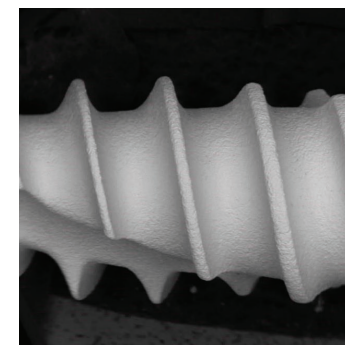
The success of dental implantation largely depends on the composition and surface cleanliness of the material from which the implants are made. Multi-level cleaning of the surface of DSI implants removes contaminants that appear during their manufacture, allowing you to achieve a perfectly clean surface. DSI implant cleaning procedure provides a stable oxide film layer on the surface of the titanium alloy, which passivates this

surface and, having a thickness of only 3-5 nm, does not mask its microtopography, allowing the cells of the body to freely use it as a substrate, which is the key to successful a implant engraftment. A unique process for obtaining a perfectly clean surface, based on protocols and standards for the production of semiconductor electronic components, is currently applied to all DSI implants manufactured.

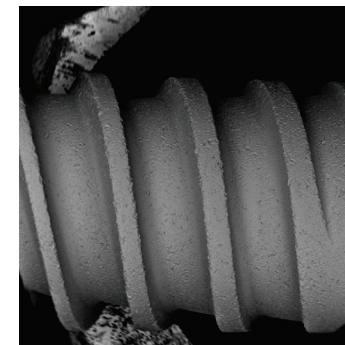
The results of the application of these technologies were confirmed by analyzing the surface and chemical composition of the material by X-ray photoelectron spectroscopy and using a scanning electron microscope (50x for an initial assessment of surface cleanliness; 1000x and 5000x for determining its microstructure), as well as energy dispersive X-ray spectroscopy.

## Superior Raw Material DSI Implants:

- Made of biocompatible alloy Ti6Al-4V ELI.
- Pure titanium with superior mechanical properties.
- Raw imported materials supplied by leading US&European companies.



**SLA surface:** an area at x40 magnification from the center of the implant.

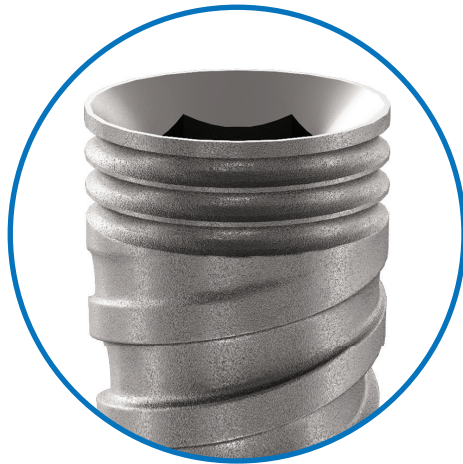


**RBM surface:** an area at x42 magnification from the center of the implant.

# premium narrow.implant

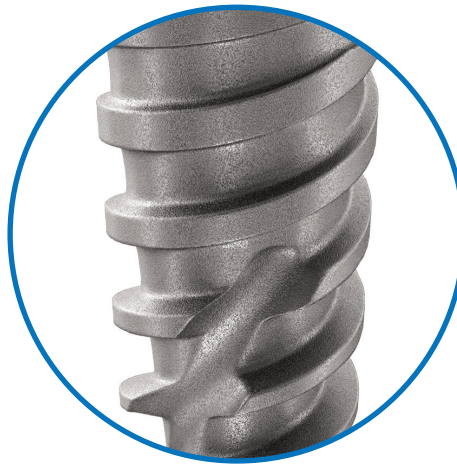
## CORONAL PART

- Platform switching and Micro rings to prevent cortical bone resorption.
- Rough surface to the top – perfect for subcrestal placement.



## IMPLANT SHAPE

- Tapered core with pronounced treads.
- Double thread design for easy insertion.
- Variable threads: thick at coronal, thinner at the middle.
- Self-drilling and self-tapping.



## APICAL PART

- Flat cutting apex for easy insertion and final adjustment during placement procedures.
- Sharp V-threads at apical
- Enables penetration.



## BODY-TYPE



- Spiral Tapered

## CONNECTION



- Internal hex  
Ø 2.0 mm

## SURFACE TREATMENT

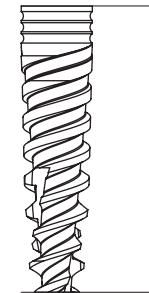
- SLA (Sandblasted, large grit, acid-etched)
- RBM (Resorbable Blast Media)

## DIAMETERS



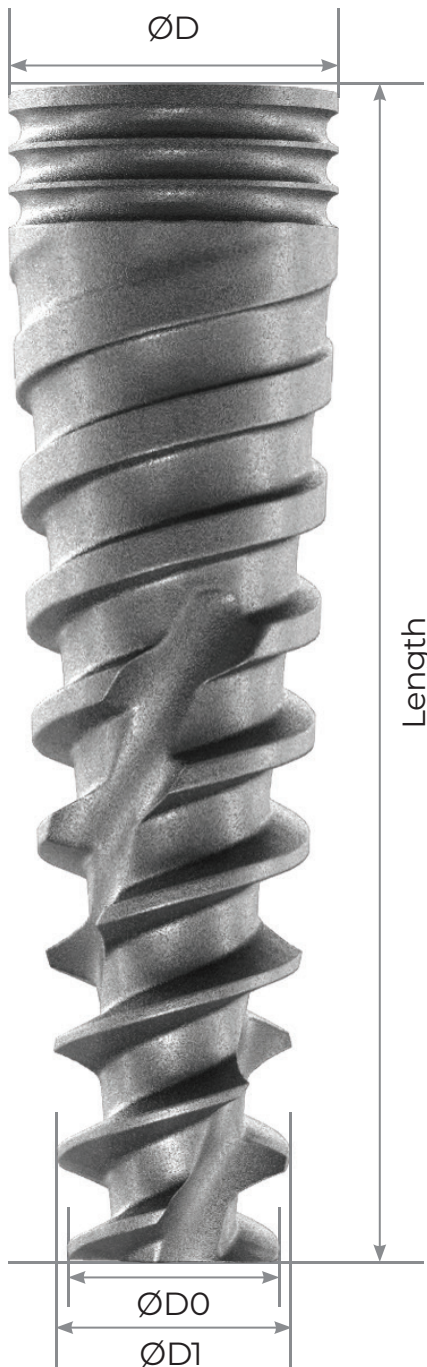
- 3.0 mm

## LENGTHS



- 10.0 mm
- 11.5 mm
- 13.0 mm
- 16.0 mm





### Premium Spiral Implant Narrow

Ø D (mm)	Ø D1 (mm)	Ø D0 (mm)	L (mm)	SLA Ref:	RBM Ref:
3.0	2.3	2.1	10.0	SPI1030	SRI1030
			11.5	SPI1130	SRI1130
			13.0	SPI1330	SRI1330
			16.0	SPI1630	

## implant drilling.protocol

### Hard Bone type D1, D2

Implant	Pilot Drill	Ø 2.0	Ø 2.5	Ø 2.8	
Ø3.0	→	●	●	●	

### Soft Bone type D3, D4

Implant	Pilot Drill	Ø 2.0	Ø 2.5	
Ø3.0	→	●	●	

Recommended insertion  
torque 35-60 Ncm

# premium narrow.packaging






DSI narrow implants systems are designed for narrow alveolar ridges in cases where the bone space is too limited to use internal hex implants, or the space between two adjacent teeth is too narrow for a standard abutment restoration.

- A 3.0 mm implant for narrow spaces with no bone augmentation.
- Ideal for the aesthetic zone.
- Thread design offers high initial stability, optimal prosthetic orientation, and minimally invasive insertion.
- Generously dimensioned main body threading provides larger surface area and better bone engagement despite the slenderness of the implant.
- Internal Hex Connection 2.0 mm.


DSI Premium Narrow implants introduce two different surface treatments, the SLA (Sand-blast, Large grit, Acid-etch) and the RBM (Resorbable Blast Media) surface treatment.




### Healing caps Narrow 2.0 Platform

L	2.0	3.0	4.0	5.0	6.0
Ø 3.5 mm					
	SHCN2S	SHCN3S	SHCN4S	SHCN5S	SHCN6S



### Implant analog Narrow 2.0 Platform

Type	H (mm)	Ø (mm)	Ref:
	12.0	3.0	SIA300





### Open Tray Transfer Narrow 2.0 Platform

Type	L (mm)	Ø (mm)	Ref:
	11.0	Body	STN38
		3.8	
	17.0	Screw	
		1.8	


### Straight Abutment Narrow 2.0 Platform

Type	H (mm)	Ø (mm)	Ref:
	9.0	3.0	STAS9
	11.0	3.0	STAS11



### Straight Shoulder Abutment Narrow 2.0 Platform

H	11.0	12.0	13.0	14.0
L	1.0	2.0	3.0	4.0
Ø 3.8 mm				
	SSAS1	SSAS2	SSAS3	SSAS4



### Abutment Angle 15° Narrow 2.0 Platform

Type	L (mm)	Ø (mm)	Ref:
	9.0	4.0	STAA15-S

### Cast Narrow 2.0 Abutment

Hex	Non-Hex
10.5	10.5
	
NACH	NACN


### UCLA CoCr Narrow 2.0

Hex	Non-Hex
10.5	10.5
	
NAMH	NAMN




Please refer to DSI website for our libraries:  
[www.dsisrael.com/dsi-digital-libraries](http://www.dsisrael.com/dsi-digital-libraries)



### Digital Analog for 3D Printing – Implant Level

Product	H (mm)	Ø (mm)	Ref:
	10.0	3.0	SIA300-3D

### Zirconia Abutment Angle 15° Narrow 2.0 Platform






Type	L (mm)	Ø (mm)	Ref:
	10.0	4.8	SZAA15-N

### Ti-Base Abutment Cad/Cam Narrow 2.0 Platform

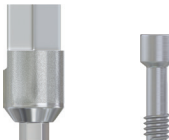
Type	H (mm)	Ø (mm)	Ref:
 Hex	6.6	4.5	TB-DSN
 non-Hex	6.6	4.5	TB-DSNR

### Narrow 2.0 Platform Kit

### UPK-2S







Implant Analog	Open Tray Transfer	Healing Cap	Straight Abutment	Fixation Screw
				
SIA300	STN38	SHCN3S	STAS9	SISC-N

### Titanium Scan Post Body implant-level Hex 2.0

Type	H (mm)	Ø (mm)	Ref:
	9.1	3.0	SP-DSN















## Straight Premium MUA M1.4 (Single / Multi Restoration)







9.0	10.0	11.0	12.0	13.0	Position Holder
1.0	2.0	3.0	4.0	5.0	
					
MUA-NS-10	MUA-NS-20	MUA-NS-30	MUA-NS-40	MUA-NS-50	PUD-M14

Straight MUA supplied with a plastic click-on mount that also serves as a castable sleeve for individual crown cases.

## Premium M1.4 MUA Prosthetics (Included in a Kit)

Open Tray Transfer		Titanium Analog		Healing Cap	Castable Sleeve	Titanium Sleeve
11.0		18.0		4.7	12.0	12.0
						
MU-NO-OT		MU-ANNO		MU-NO-HC	MU-S-SP14	MU-S-TS14
Closed Transfer		Ratchet for straight MUA		Short Screw	Long Screw	Ti-Base for MUA
11.0	8.0	6.0	10.0	4.2	6.7	4.5
						
MU-NO-CT	RDK-MU06	RDK-MU10	RDK-MU10	MU-S-FX14	MU-S-MX14	TBMU M1.4





## Angulated Premium MUA M1.4

L	2.0	3.0
17°		
Ref:	MUA-NS-1720	MUA-NS-1730
30°		
Ref:	MUA-NS-3020	MUA-NS-3030
45°		
Ref:	MUA-NS-4520	MUA-NS-4530

All multi-unit abutments supplied with a holder

Available in kits per request


### Straight Loc-In Abutment Narrow 2.0 platform

H	8.0	9.0	10.0	11.0
L	1.0	2.0	3.0	4.0
Ø 3.5 mm				
	LI-SP10	LI-SP20	LI-SP30	LI-SP40


### Cap attachment for Loc-In Abutment

Lab Cap	Extra-soft Cap	Soft Cap	Standard Cap	Strong Cap	Metal Housing
					
CN090	CN088	CN087	CN086	CN089	LI-RP50


### Protective Disc

Product	W (mm)	Internal Ø (mm)	Ref:
	14.0	2.9	PD


### Universal Insertion & Extraction Tool

Product	Ref:
	DFL

### Analog for Loc-In Abutment

Product	H (mm)	Ø (mm)	Ref:
	10.5	3.75	LOC-AN

### Impression Transfer for Loc-In Abutment

Product	H (mm)	Ø (mm)	Ref:
	11.5	4.75	LOCW-PU







### Straight Loc-In Abutment Kit Narrow 2.0

L (mm)	H (mm)	Ref:
1.0	8.0	PLI-SP10
2.0	9.0	PLI-SP20
3.0	10.0	PLI-SP30
4.0	11.0	PLI-SP40



Available in kits: is a ready-to-use solution including all the pieces that can be required during the procedure: abutment, 4 retention inserts, housing and isolation ring.


## Straight Ball Abutment Narrow 2.0 Platform

H	8.5	9.5	10.5	11.5	12.5	13.5
L	1.0	2.0	3.0	4.0	5.0	6.0
Ø 3.0 mm						
	SBA1S	SBA2S	SBA3S	SBA4S	SBA5S	SBA6S


## Cap attachment for Ball Abutment

Lab Cap	Extra-soft Cap	Soft Cap	Standard Cap	Metal Housing
				
CN027	CN003	CN001	CN002	MH-BAT


## Protective Disc

Product	W (mm)	Internal Ø (mm)	Ref:
	14.0	1.6	DP


## Insertion & Extraction Tool

Product	Ref:
	485IC

## Analog for Ball Abutment

Product	H (mm)	Ø (mm)	Ref:
	15.0	3.75	SBA370

## Impression Transfer for Ball Abutment

Product	H (mm)	Ø (mm)	Ref:
	5.6	4.5	BAT-PU

## Straight Ball Attachment Kit Narrow 2.0

L (mm)	H (mm)	Ref:
1.0	8.5	PSBA10S
2.0	9.5	PSBA20S
3.0	10.5	PSBA30S
4.0	11.5	PSBA40S
5.0	12.5	PSBA50S
6.0	13.5	PSBA60S



## Straight Ball Attachment Basic Kit Narrow 2.0

L (mm)	H (mm)	Ref:
1.0	8.5	BSBA10S
2.0	9.5	BSBA20S
3.0	10.5	BSBA30S
4.0	11.5	BSBA40S
5.0	12.5	BSBA50S
6.0	13.5	BSBA60S



Available in kits: is a ready-to-use solution including all the pieces that can be required during the procedure: abutment, 4 retention inserts, housing and isolation ring.

Available in basic kits: Straight abutment, clear insert, metal housing and isolation disc.





### Ratchet Driver for Narrow Implant

Product	L (mm)	Type	Ref:
	10.0	Hex 2.0	RDS2010
	15.0	Hex 2.0	RDS2015




### Motor Mount Driver for Narrow Implant

Product	H (mm)	Type	Ref:
	20.0	Hex 2.0	MM2020
	28.0	Hex 2.0	MM2028



### Manual Prosthetic Driver

Product	L (mm)	Type	Ref:
	7.0	Hex 1.25	HDK125070
	10.0	Hex 1.25	HDK125100
	15.0	Hex 1.25	HDK125150
	25.0	Hex 1.25	HDK125250


### Motor Mount Prosthetic Driver

Product	H (mm)	Type	Ref:
	15.0	Hex 1.25	MM12515
	20.0	Hex 1.25	MM12520
	28.0	Hex 1.25	MM12528

### Ratchet key for straight 1.4 multi-unit

Product	H (mm)	Hex	Ref:
	6.0	Hex 2.0	RDK-MU06
	10.0	Hex 2.0	RDK-MU10

### MOTOR MOUNT TO RATCHET ADAPTER

Product	Type	H (mm)	Ref:
	Hex 6.35	30.0	MMRA

### Abutment Driver Manual XL Black Steel

Product	Type	Ref:
	Hex 1.25	XL125600

# basic narrow.surgical kit

## SK-001 NARROW EDITION

Its Basic Surgical Kit – New Edition. Modern, sleek and easy to use. Consisting of core dental implant surgical tools, this kit saves space without saving on tools quality and versatility.



Ratchet Driver 2.0 for Implant  
**Ref: RDS2010**



Ratchet Driver 2.0 for Implant  
**Ref: RDS2015**



Motor Mount 2.0 for Implant  
**Ref: MM2020**



Motor Mount 2.0 for Implant  
**Ref: MM2028**



Motor Mount 1.25 Prosthetic  
**Ref: MM12528**



Hand Driver 1.25 Prosthetic  
**Ref: HDK125150**



Ratchet driver 6.35  
**Ref: SR**



Marking Drill  
**Ref: PD190**



Pilot Drill  
**Ref: DNP200**



Step Drill 2.0x2.8  
**Ref: SD2028L16C**



Step Drill 2.8x3.2  
**Ref: SD2832L16C**



Step Drill 3.2x3.65  
**Ref: SD32365L16C**



Step Drill 3.6x4.2  
**Ref: SD3642L16C**



Step Drill 4.2x4.6  
**Ref: SD4246L16C**



Step Drill 4.6x5.2  
**Ref: SD4652L16C**

Tool kit includes special plastic polymer box and removable stainless surgical tray autoclavable at a temperature of 134°C.



# Contact us today.

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