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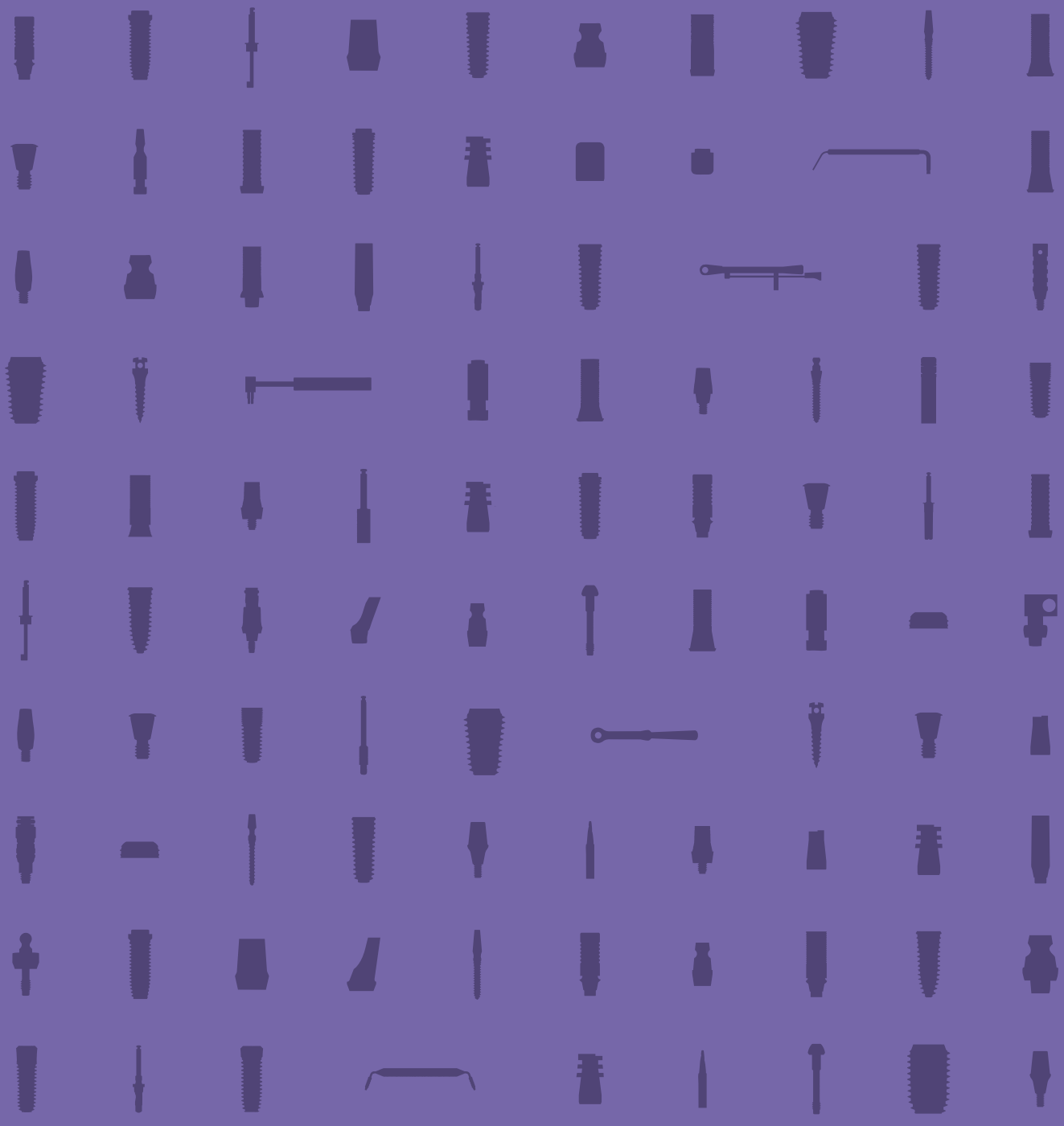
MS IMPLANT SYSTEM



HIOSSEN IMPLANT OSSTEM IMPLANT

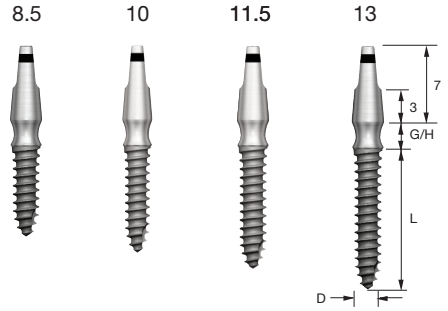
Contents

HIOSSEN IMPLANT

MS Implant (Narrow ridge) Components

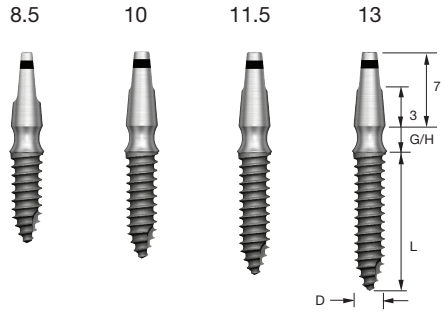
MS SA Implant (Narrow ridge)

Ø2.5



Diameter		Ø2.5	
Gingival Height		2.5	4.0
Lengths	8.5	MSN2508S25	MSN2508S40
	10	MSN2510S25	MSN2510S40
	11.5	MSN2511S25	MSN2511S40
	13	MSN2513S25	MSN2513S40

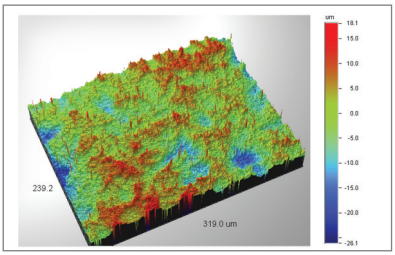
Ø3.0

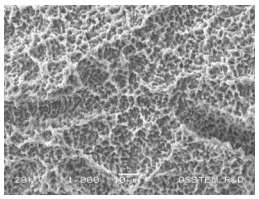


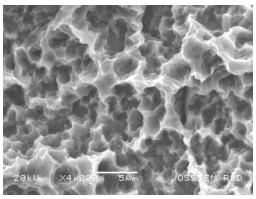
Diameter		Ø3.0	
Gingival Height		2.5	4.0
Lengths	8.5	MSN3008S25	MSN3008S40
	10	MSN3010S25	MSN3010S40
	11.5	MSN3011S25	MSN3011S40
	13	MSN3013S25	MSN3013S40

- A single body, mini dental implant that is designed for narrow spaces such as the mandibular anterior jaw
- Surface treatment is sandblasted with alumina oxide and acid etched (SA)
- Abutment shape and size is optimized for cutting-free prosthetic work
- Body and thread are designed for flawless insertion and excellent stability
- Optimal insertion torque : 30Ncm

- SA surface morphology and roughness is increased by 45% compared to RBM treatment
- Combination of crater and micro-pit
- Optimal surface roughness: Ra 2.5-3.0μm
- Early cell response: 20% faster than RBM
- Early bone healing: 20% faster than RBM
- Early loading possible 6 weeks after placement







Impression Coping (Narrow ridge)

Code
MSPIC

Temporary Cap (Narrow ridge)

Code
MSPTC

Lab Analog (Narrow ridge)

Code
MSPLA

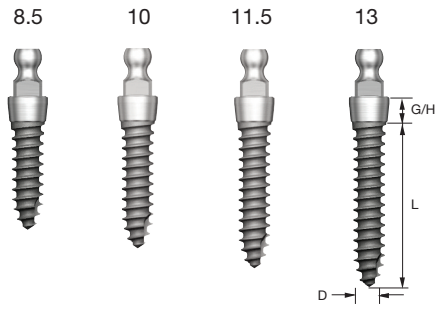
* Use when no abutment modification is necessary

** If abutment modification is required, do not use the impression coping. Take a direct impression

MS Implant (Denture) Components

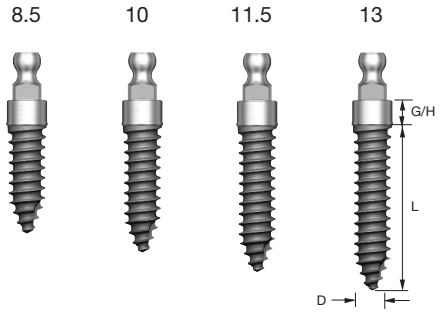
MS SA Implant (Denture)

Ø2.5



Diameter		Ø2.5	
Gingival Height		2.0	4.0
Lengths	8.5	MSD2508S20	MSD2508S40
	10	MSD2510S20	MSD2510S40
	11.5	MSD2511S20	MSD2511S40
	13	MSD2513S20	MSD2513S40

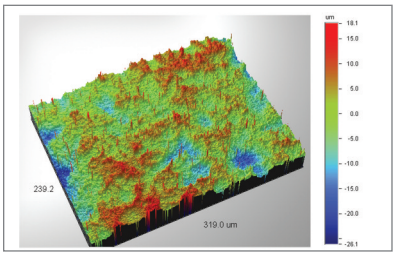
Ø3.0

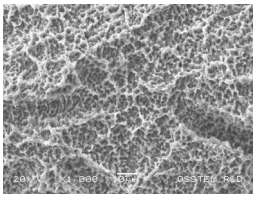


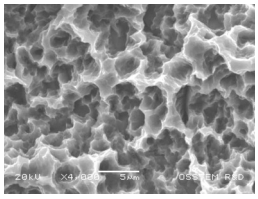
Diameter		Ø3.0	
Gingival Height		2.0	4.0
Lengths	8.5	MSD3008S20	MSD3008S40
	10	MSD3010S20	MSD3010S40
	11.5	MSD3011S20	MSD3011S40
	13	MSD3013S20	MSD3013S40

- A single body, mini dental implant that is designed for denture fixation
- Surface treatment is sandblasted with alumina oxide and acid etched (SA)
- Collar O-ball head for use with O-ring retention set
- Comes in 2 or 4mm gingival heights
- Optimal insertion torque : 30Ncm

- SA surface morphology and roughness is increased by 45% compared to RBM treatment
- Combination of crater and micro-pit
- Optimal surface roughness: Ra 2.5-3.0μm
- Early cell response: 20% faster than RBM
- Early bone healing: 20% faster than RBM
- Early loading possible 6 weeks after placement







Retainer Cap Set

Code
OARCS

Retainer Cap

Laboratory O-ring

Low Retention O-ring

High Retention O-ring

Lab Analog (Denture)

Code
MSDLA

HM Kit

HM KIT

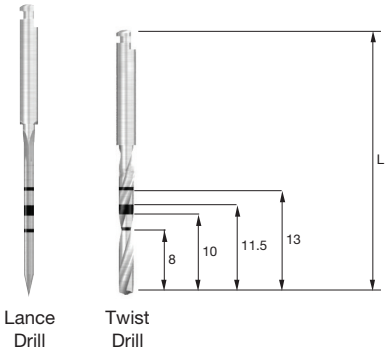
Code	HMISLK

HM Kit Consists of:
- Ø1.5mm Lance Drill
- Ø1.8mm Twist Drill (Long)
- Ø1.8mm Twist Drill (Short)
- Ø2.3mm Twist Drill (Long)
- Ø2.3mm Twist Drill (Long)

Drivers (4)
- Narrow Ridge Motor Driver (Long)
- Narrow Ridge Torque Driver (Long)
- Denture Motor Driver (Long)
- Denture Torque Driver (Long)

Additional Components
- Parallel pin
- Driver separator
- Depth gauge
- Ratchet wrench

Drill for MS Implant

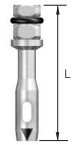


Name	D	L	Code
Ø1.5mm Lance Drill	Ø1.5	35	OSLD15
Ø1.8mm Twist Drill Long	Ø1.8	42	OSMSD18L
Ø1.8mm Twist Drill Short	Ø1.8	32	OSMSD18S
Ø2.3mm Twist Drill Long	Ø2.3	42	OSMSD23L
Ø2.3mm Twist Drill Short	Ø2.3	32	OSMSD23S

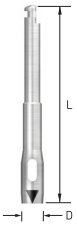
- Lance + Twist Drills have laser markings which correspond to the MS Implant lengths (8.5, 10, 11.5, 13). It is recommended to drill only cortical bone.

HM Kit

Driver for Narrow Ridge



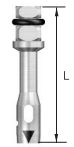
Torque Driver



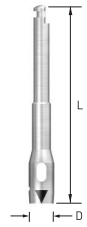
Machine Driver

Name	D	L	Code
Torque Driver (Short)	Ø3.4	16.5	MSPTS
Torque Driver (Long)	Ø3.4	21.5	MSPTL
Machine Driver (Short)	Ø3.4	24.4	MSPMS
Machine Driver (Long)	Ø3.4	29.4	MSPML

Driver for Denture type



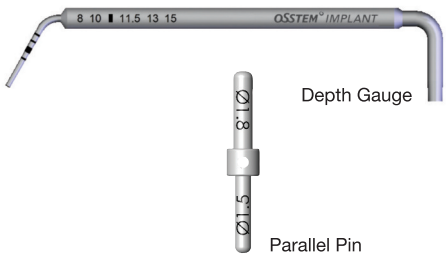
Torque Driver



Machine Driver

Name	D	L	Code
Torque Driver (Short)	Ø3.8	13.5	MSDTS
Torque Driver (Long)	Ø3.8	18.5	MSDTL
Machine Driver	Ø3.8	21.4	MSDMS

Gauge for MS Implant



Name	Code
Depth Gauge	MSDG
Parallel Pin	MSPP

Torque Handle

Code	MSTH

- Manual Torque Handle

Driver Separator

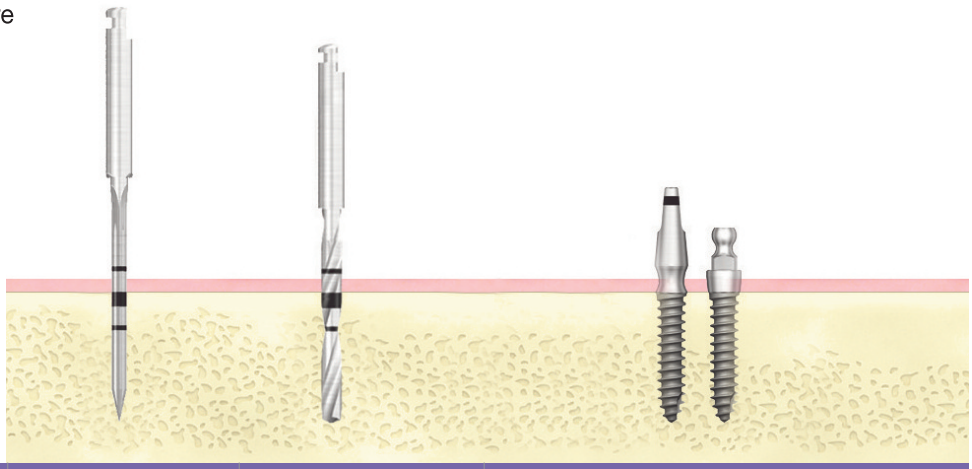
Code	MSDS

- Used to separate the driver from the implant

MS SA Implant System

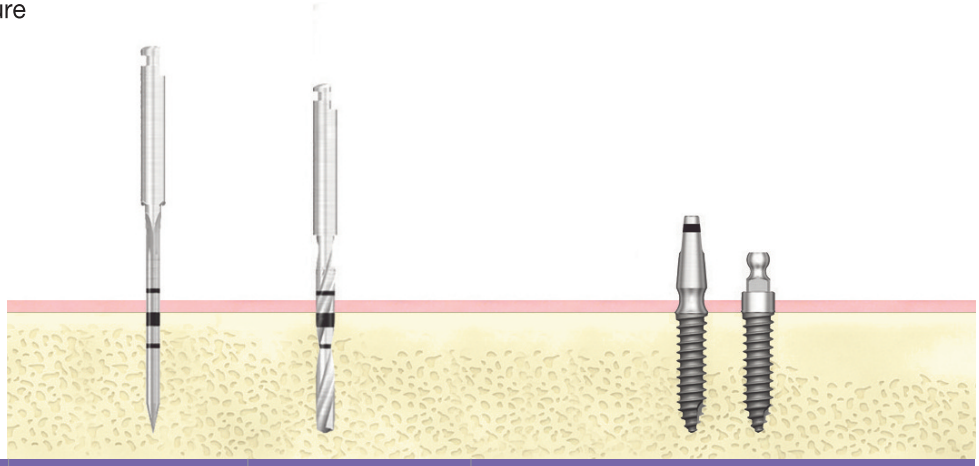
Drilling Sequence

Ø2.5 Implant Procedure



	Ø1.5 Lance	Ø1.8 Drill	Ø2.5 Implant
Speed / Force	800rpm	1200rpm	30Ncm

Ø3.0 Implant Procedure



	Ø1.5 Lance	Ø2.3 Drill	Ø3.0 Implant
Speed / Force	800rpm	1200rpm	30Ncm

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MS IMPLANT SYSTEM

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HIOSSEN OSSTEM

85 Ben Fairless Drive
Fairless Hills, PA 19030
TEL: 1-888-678-0001 FAX: 1-267-759-7004
www.hiossen.com