

Sirio nasal, pterigoid and zygomatic, advanced atrophies implants

Atrophies in maxillary bone leave a basal bone residue too thin for a traditional implant surgery, along with the presence of the nose cavities and more pneumatized maxillary sinuses, which constitute an anatomic limit. Thus, Isomed Technique suggest the placement of two pterygoid implants, two Zygomatic in the Maxillary resistance pillars, and two Sirio Nasal implants under the nose bone pavement. This is a surgery technique with a predictable outcome that gives to the surgeon a successful option for the resolution of extreme maxillary atrophies.

It is useful to carry on a complete case study with 3D RX, a CT scan and a stereolithographic model of the Maxillary.

Immediate loading is suggested only with every load distributed on a multi-implant system in which every load is duly distributed.



Sirio nasal



TV-tr
Pterigoid



ZVI-SF
Zygomatic

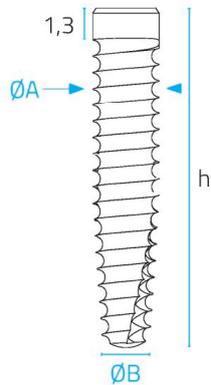


Instruments, drills
and components pag. 62-63



Sirio nasal

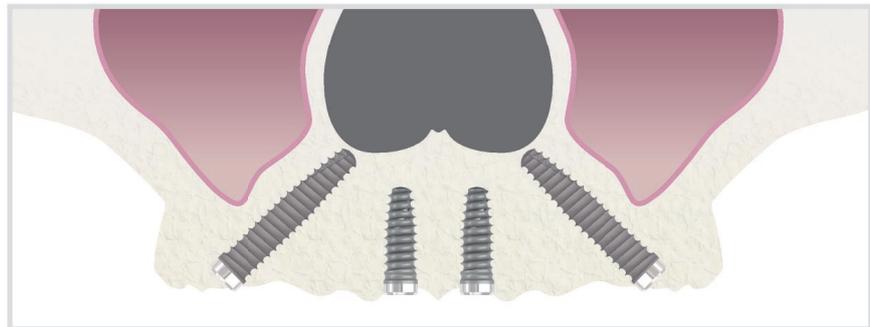
Cylindrical conical internal hexagon implants



h = length
 ØA = thread diameter
 ØB = apex diameter

Instruments, drills
 and components pag. 62-63

Platform	code	implant Ø	h	ØA	ØB
Normal	SIRIO 4-19	4,0 ■	19	4,0	2,8
	SIRIO 4-21	4,0 ■	21	4,0	2,8
	SIRIO 4-23	4,0 ■	23	4,0	2,8
Platform	code	implant Ø	h	ØA	ØB
Normal	SIRIO 4,5-19	4,5 □	19	4,5	2,8
	SIRIO 4,5-21	4,5 □	21	4,5	2,8
	SIRIO 4,5-23	4,5 □	23	4,5	2,8



Normal

Sirio nasal implants can be placed slightly inclined in premolar region, in order to reach the bone between the maxillary sinus and the nose cavity, or straight with no inclination taking advantage of the bi-cortical bone that circles the nose. Inclined implant has to be long enough to cross through the sinus, and it's up to the surgeon to choose if a bone graft is needed for this surgery.

Its sharp edge and deep thread gives to this implant an extremely strong primary retention, ideal for immediate loading techniques. Its collar presents a machined surface that reduces the possibility of inflammatory processes around it. The Normal internal hexagon connection is the same of other Isomed Implants.

It is mandatory to ensure that the sinus is not inflamed before practicing any kind of intervention.

Surgical protocol

	SF04	SFTC 3,5 h 19-21-23	SFTC 4 h 19-21-23	SFTC 4,5 h 19-21-23
	Pilot drill		Conical drills	
Ø 4,0	●	●*	●	
Ø 4,5	●	●	●*	●

For D2/D3 bone

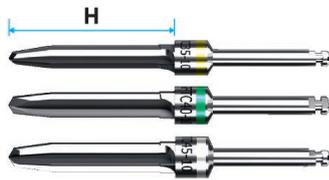
*Sirio nasal implants can be placed with an intermediate drill in D3 bone, achieving an optimal primary stability.

Protocols and sequences are just suggested with an illustrative purpose. It's up to the surgeon to select the best surgical option for the anatomy of the patient.

Surgical kit for advanced atrophies implants

Sirio Nasal, Zygomatic and Pterigoid Implants

CONICAL DRILLS FOR SIRIO NASAL IMPLANTS



H	Ø 3,5	Ø 4,0	Ø 4,5
19 mm	SFTC 3,5-19	SFTC 4-19	SFTC 4,5-19
21 mm	SFTC 3,5-21	SFTC 4-21	SFTC 4,5-21
23 mm	SFTC 3,5-23	SFTC 4-23	SFTC 4,5-23

PTERIGOID IMPLANTS DRILLS

SF04 - Pilot drill with depth markings

SF20P - Cylindrical drill Ø 2 mm for pterygoid implants

SF25P - Cylindrical drill Ø 2,5mm for pterygoid implants



SKI-2R h 2 mm

SKI-13R h 13 mm

SKI-10 h 10 mm

SKI-40 h 40 mm

● 1,28 mm hex. Digital drivers for pointed fastening screws



SG-00

Square head driver for superior arch



○ 4 mm

SKI-P

Pen driver for fastening screws 1,28 mm hexagon



● 1,28 mm

SKE-P

Pen driver for cap screws 0,9 mm hexagon



● 0,9

DIAMOND DRILLS FOR ZYGOMATIC IMPLANTS

SFZD-2 - Rough grain diamond drill

SFZD-1 - Fine grain diamond drill



CONICAL DRILLS FOR ZYGOMATIC IMPLANTS

SFZS-42 - Conical drill, heights from 35 to 40 mm

SFZ-42 - Conical drill, heights from 35 to 55 mm



SFZR

Spherical drill for zygomatic implants



SZ

Depth probe for zygomatic implants



DZ

Retractor



PI

Zygomatic implants driver with connection PLATFORM NORMAL

2,43 mm ● 4 mm



SKE-10 / SKE-13

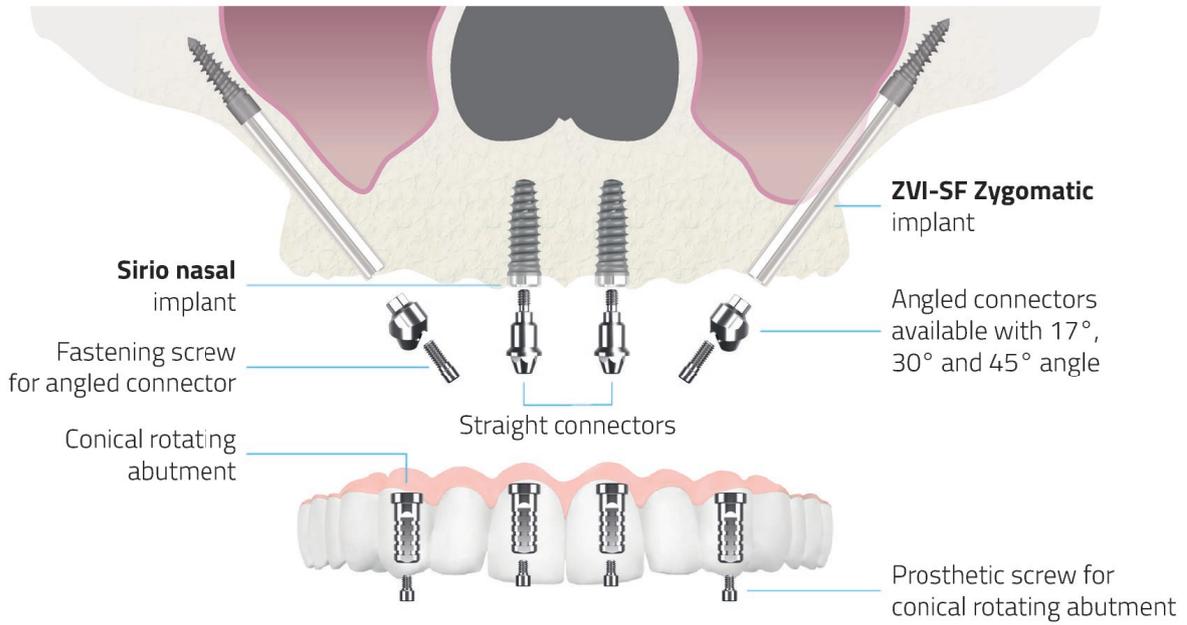
Digital driver for 0,9 cap screws ●



Surgical technique Connector Bridge Abutment

Sirio Nasal, Zygomatic and Pterigoid implants

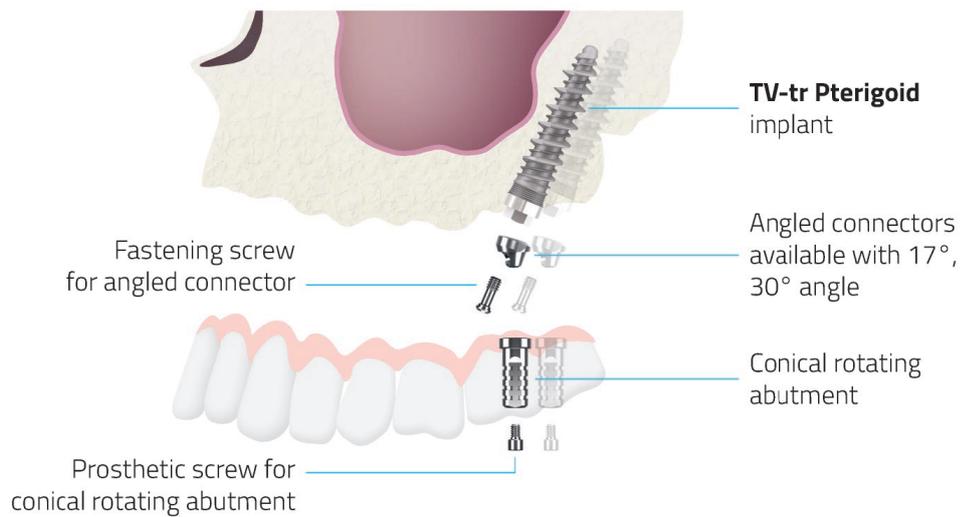
PREMAXILLA



C. B. A. Normal

For the complete prosthetic **Connector Bridge abutment internal hexagon Platform Normal** see page 130

POSTMAXILLA



C. B. A. Normal 1,2