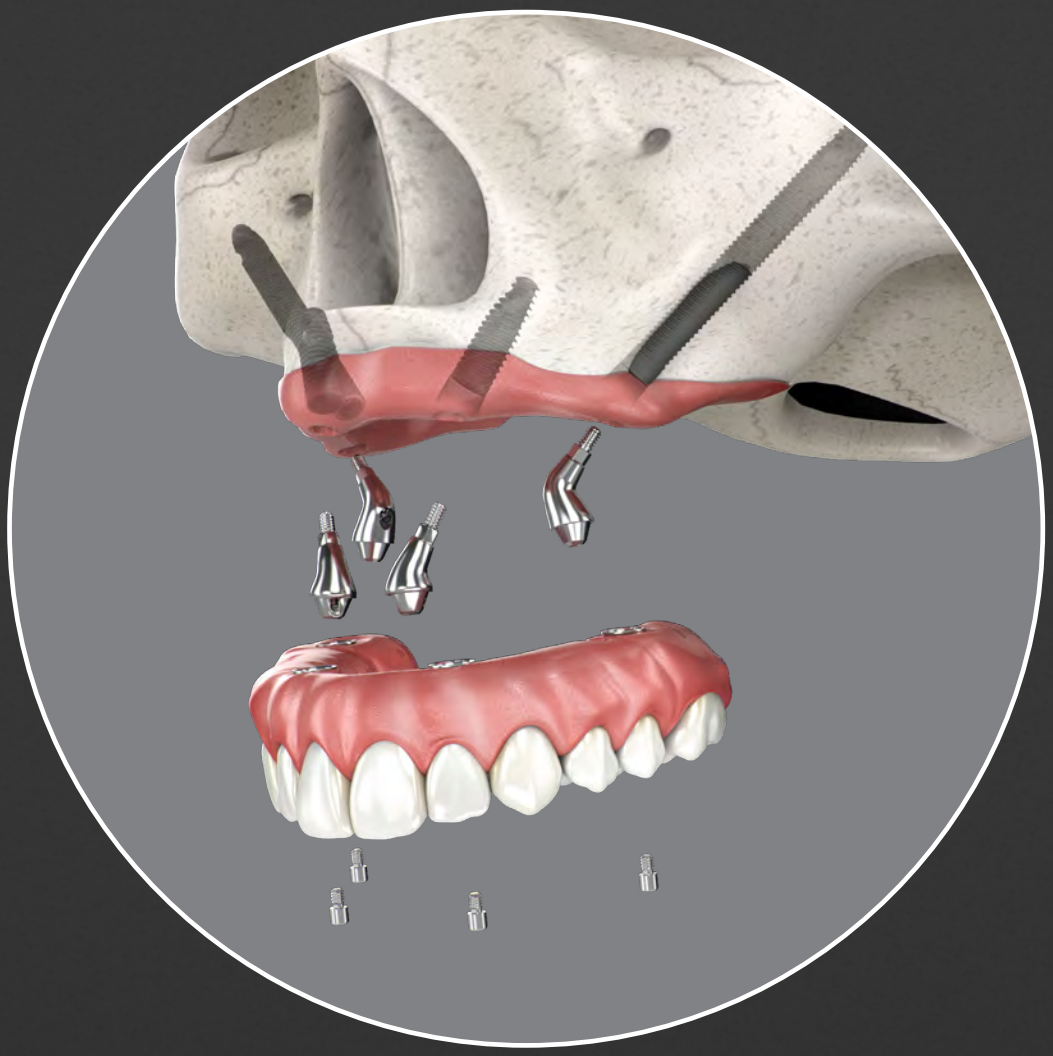
A SMILE FOR **EVERYONE**

NEODENT® NEOARCH®
IMMEDIATE FIXED FULL-ARCH SOLUTION

Increasing expectations for shortened treatment duration represent a significant challenge for dental professionals especially in patients with anatomical deficiencies. The Neodent® Implant System offers an optimized solution for immediate fixed treatment protocols in edentulous patients even with severe atrophic maxilla. Neodent® NeoArch® allows to significantly improve patient satisfaction and quality of life by immediately restoring function and esthetics [10].



Immediate function resulting in shorter treatment times.

- Different implants techniques to minimize the use of grafting procedure[11].
- Optimized implant design to achieve high primary stability in all bone types[12].

Immediate natural-looking esthetics with versatile restorative options.

- A broad gingival height abutment range to cater the patient's needs.
- Options of straight and angled abutments (17°, 30° and 45°).

Immediate peace of mind thanks to a stable foundation.

- One connection regardless of the diameters.
- Unique connection combining Platform Switching associated with a deep 16° Morse taper including an internal indexation.

SOLUTIONS FOR ALL CLINICAL NEEDS

A implant system designed for predictable immediate treatments in all bone types even with different conditions of the residual alveolar bone.

Helix GM®

Helix GM® Long

Zygoma GM™

BONE RESORPTION

Helix **GM®** Long

PRODUCT FEATURES:

Implants Description:

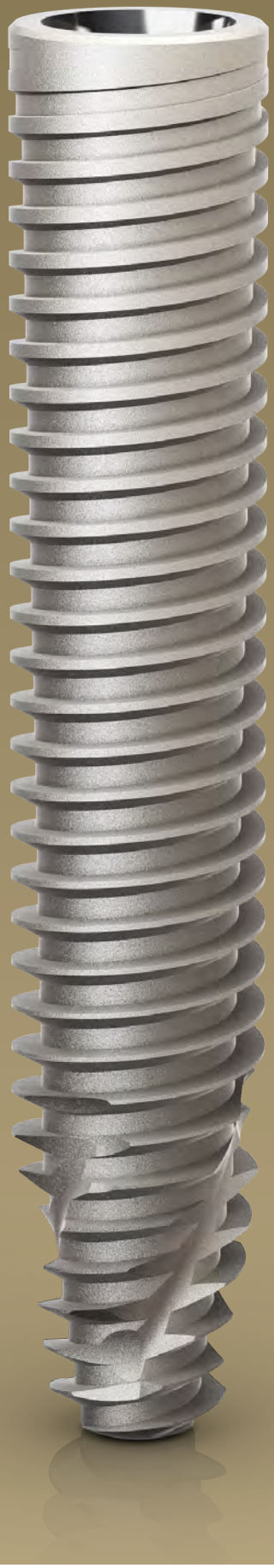
- Dual tapered implant;
- Hybrid contour with a cylindrical coronal part and conical on the apical area;
- Active apex including a soft rounded small tip and helicoidal flutes;
- Dynamic progressive thread design: from compressing trapezoidal threads on the coronal area to self-tapping threads on the apical part;
- Double lead threaded implant;
- Holder integrated to the implant body;
- Neoporos surface;
- Grand Morse® connection.

Indications:

- Indicated for surgical intraoral installation, in bone
- types III/IV for cases of total or partial edentulism and for multiple-unit prostheses.

Drilling features:

- For infraosseous positioning it is recommended to add 1 to 2 mm in length to the implant during surgical instrumentation.
- Drilling speed: 500-800 rpm;
- Implant insertion speed: 30 rpm;
- Maximum torque for implant placement: 60 N.cm.



Available with:

NeoPoros®

Drill Sequence

	Initial	Ø 2.35	Ø 3.75	Ø 4.0
	103.453	103.462	103.463	103.464
Ø 3.75 mm	Optional	✓	✓	
Ø 4.0 mm	Optional	✓	✓	✓

Bone types III and IV

The procedure can be with Guided Surgery. Check the instruments for more information.

Helix **GM®** Long implants

		20.0 mm	22.5 mm	25.0 mm
Ø 3.75	NeoPoros	109.1043	109.1044	109.1045
Ø 4.0	NeoPoros	109.1046	109.1047	109.1048

GM Healing Abutment

Profile	0.8 mm	1.5 mm	2.5 mm	3.5 mm	4.5 mm	5.5 mm
Ø 3.3	106.207	106.208	106.209	106.210	106.211	106.212
Ø 4.5	106.213	106.214	106.215	106.216	106.217	106.218

:: Use the manual Neo Screwdriver (104.060);
:: Do not exceed the insertion torque of 10 N.cm.

GM Customizable Healing Abutments

Profile	1.5 mm	2.5 mm	3.5 mm	4.5 mm	5.5 mm	6.5 mm
Ø 5.5	106.223	106.224	106.225	106.226	106.227	
Ø 7.0		106.228	106.229	106.230	106.231	106.232

GM Cover Screw

0 mm	2 mm
117.021	117.022

:: Use the manual Neo Screwdriver (104.060);
:: Do not exceed the insertion torque of 10 N.cm.

Zygoma **GM™**

PRODUCT FEATURES:

Implants Description:

- Hybrid contour with a cylindrical coronal part and conical on the apical area;
- The apex has a conical profile with a spherical tip and three equally spaced helical flutes;
- Trapezoidal thread and progressive increase of the thread depth at the apical portion;
- Tissue Protect: portion without threads, near the cervical region, indexed to the hexagon face;
- Holder integrated to the implant body;
- Neoporos surface;
- Grand Morse® connection.

Indications:

- Indicated for surgical procedures in the the posterior region of the maxilla and in the zygoma, in cases of severe maxilla resorption. Zygomatic Implants may be used in immediate loading procedures when there is good primary stability and appropriate occlusal loading.

Drilling features:

- Drilling speed: 800-1200 rpm;
- Lateral Direction Drill speed: 600-800 rpm;
- Implant insertion speed: 30 rpm;
- Maximum torque for implant placement: 60 N.cm.

Available with:

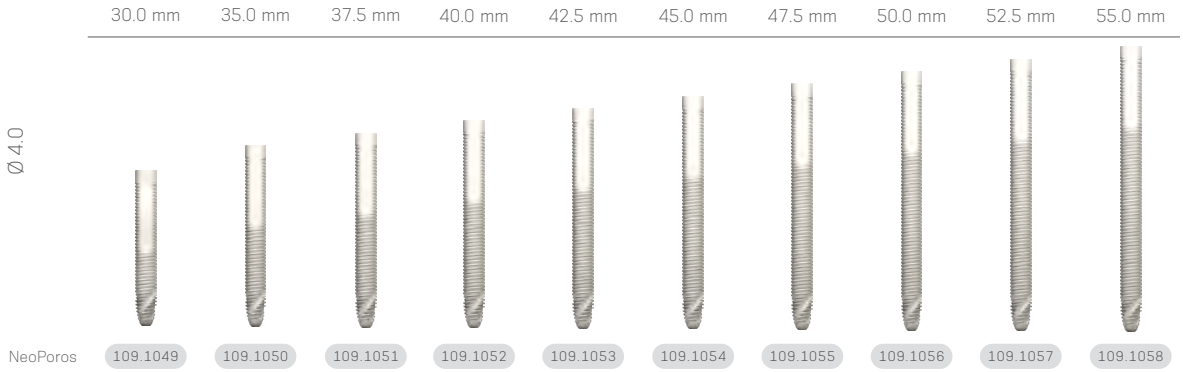
NeoPoros®

Drill Sequence

	Ø 2.35	Lateral Direction Ø 4.0	Pilot Ø 2.3/3.2	Ø 3.75	Ø 4.0
	103.455	103.458	103.465	103.456	103.457
Ø 4.0 mm	✓	Optional	Optional	✓	✓

The procedure can start guided. Check the instruments for more information.

Zygoma **GM™** Implants



	30.0 mm	35.0 mm	37.5 mm	40.0 mm	42.5 mm	45.0 mm	47.5 mm	50.0 mm	52.5 mm	55.0 mm
NeoPoros	109.1049	109.1050	109.1051	109.1052	109.1053	109.1054	109.1055	109.1056	109.1057	109.1058

GM Cover Screw

0 mm	2 mm
117.021	117.022

:: Use the manual Neo Screwdriver (104.060);
:: Do not exceed the insertion torque of 10 N.cm.

GM Mini Conical Abutment

Multiple-unit
screw-retained
prosthesis

Consider in addition 1.5 - 2.0 mm for the restorative material

Minimum interocclusal space of 4.5 mm from the mucosa level for straight abutments.

Accessories

Mini Conical Abutment
Polishing Protector

123.008

Replacement
Coping Screw

116.269 Titanium

Workflow Options

GM Mini Conical Abutment ①

0.8 mm	1.5 mm	2.5 mm
115.243	115.244	115.245
3.5 mm	4.5 mm	5.5 mm
115.246	115.247	115.248

or

GM Exact Mini Conical Abutment 17°/30°/45°* ②

	1.5 mm	2.5 mm	3.5 mm
17°	115.249	115.250	115.251
30°	115.252	115.253	115.254
45°	115.267	115.268	

*The 45° Mini Conical Abutment is indicated for use only with Helix GM® Long and Zygoma GM™.

or or

Intraoral

GM Mini Conical Abutment Scanbody ③

108.196

Mini Conical Abutment Hybrid Repositionable Analog

101.092

Neo Mini Conical Abutment One Step Hybrid Coping ②

118.330

Model Scanning

Slim Mini Conical Abutment Open Tray Impression Coping ③

108.176

Mini Conical Abutment Hybrid Repositionable Analog

101.092

GM Mini Conical Abutment Scanbody ③

108.196

Neo Mini Conical Abutment One Step Hybrid Coping ②

118.330

Conventional

Slim Mini Conical Abutment Open Tray Impression Coping ③

108.176

Slim Mini Conical Abutment Closed Tray Impression Coping ③

108.021

or

Neo Mini Conical Abutment Titanium Coping ②

118.302

Neo Mini Conical Abutment Protection Cylinder

106.220

Mini Conical Abutment Analog

101.092 Hybrid Repositionable (conventional/digital)

101.020 Conventional

or

Neo Mini Conical Abutment CoCr Coping ②

118.303

Neo Mini Conical Abutment Burn-out Coping

118.301

① Hexagonal Prosthetic Driver + Torque Wrench

② Neo Screwdriver Torque Connection + Torque Wrench

③ Neo Screwdriver Torque Connection + Manual Screwdriver Torque

Measurements GM Mini Conical Abutment

17°

115.249

115.250

115.251

30°

115.252

115.253

115.254

073

45°*

115.267

115.268

*The 45° Mini Conical Abutment is indicated for use only with Helix GM® Long and Zygoma GM™.