

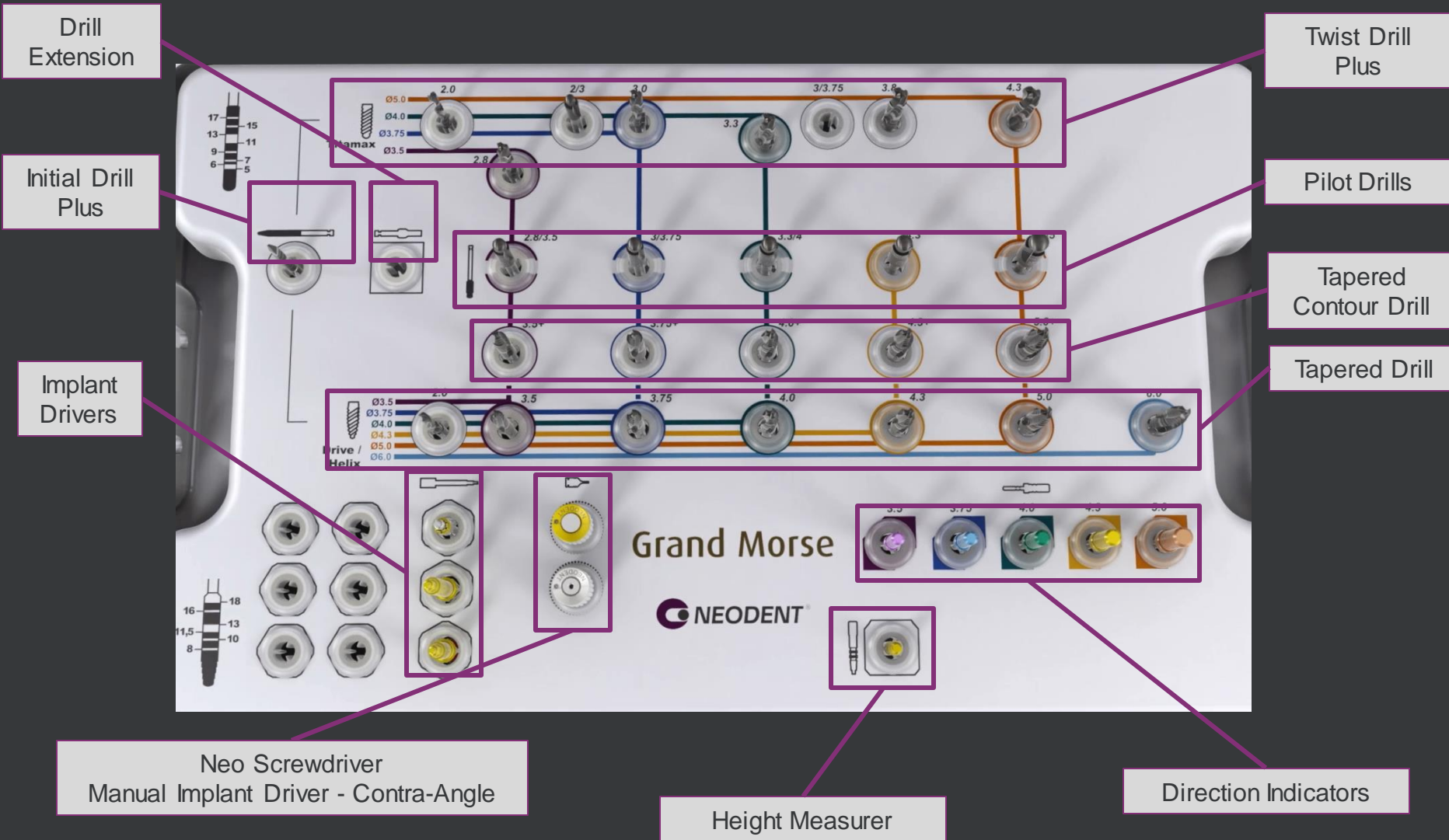
Introduction: Neodent GM Drilling Protocol

OD&T

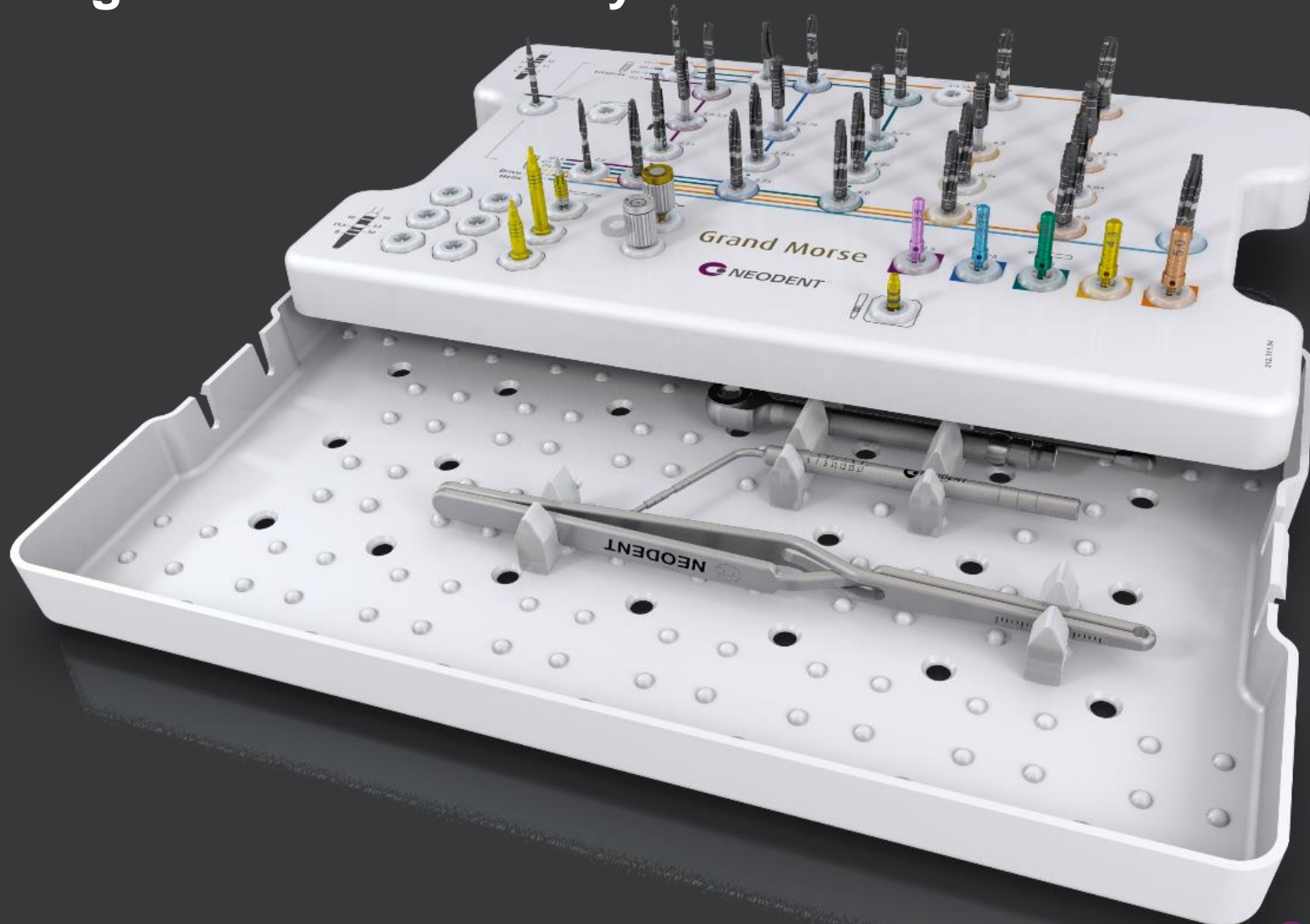
Grand Mofse



Surgical Kit - Upper Tray



Surgical Kit - Lower Tray

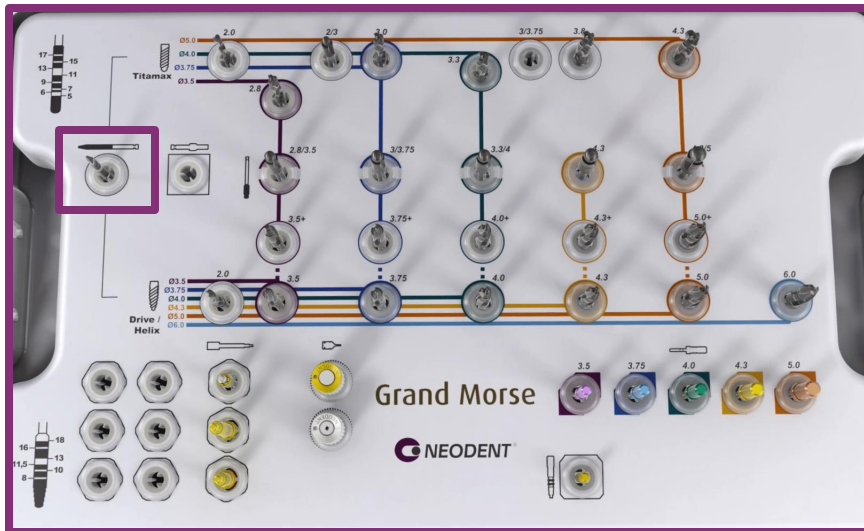


Basic Implant Bed Preparation Helix and Drive Implants

Initial drill

Preparing the implant site

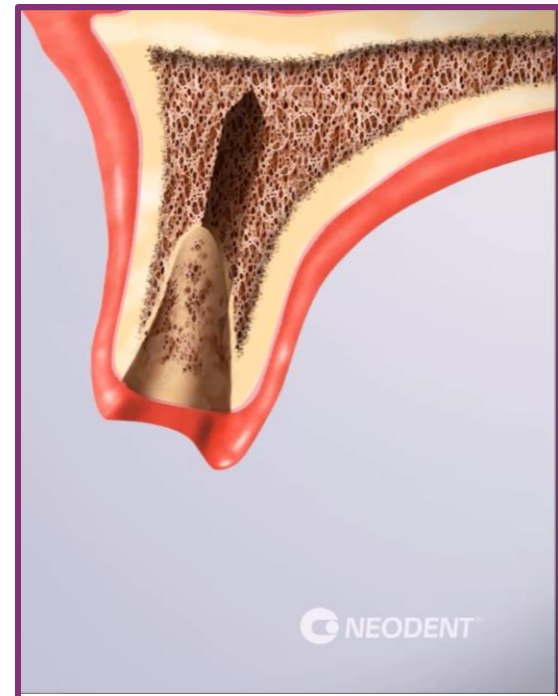
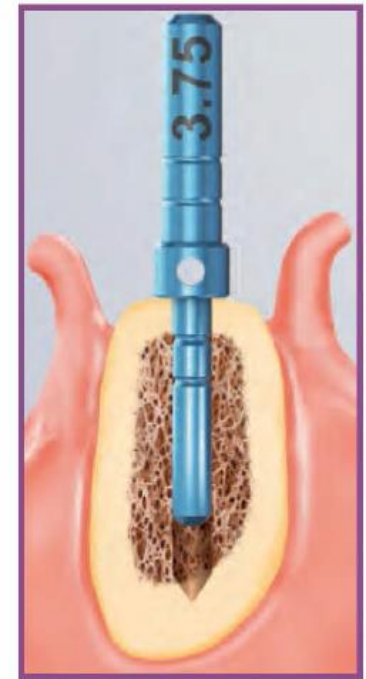
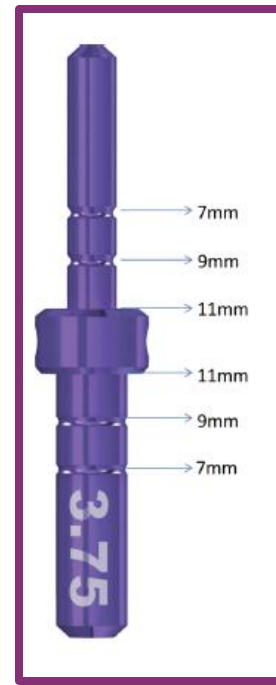
- Surgical Steel
- Use the initial drill about 5-7 mm with the rpm in accordance to the bone density
- 2.0 mm
- To puncture the cortical bone



Direction Indicator Pins

Check the implant axis

- Titanium
- Diameter of central band = implant diameter
- Smaller side to be use after Initial Drill
- Larger side to be used after final Drill before implant placement

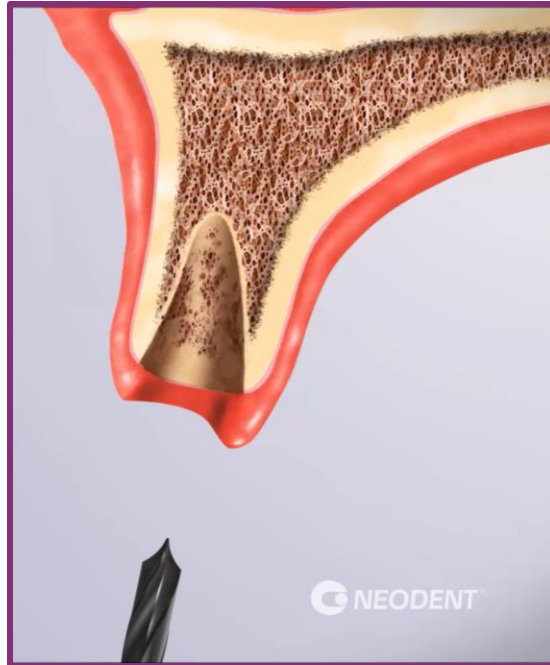
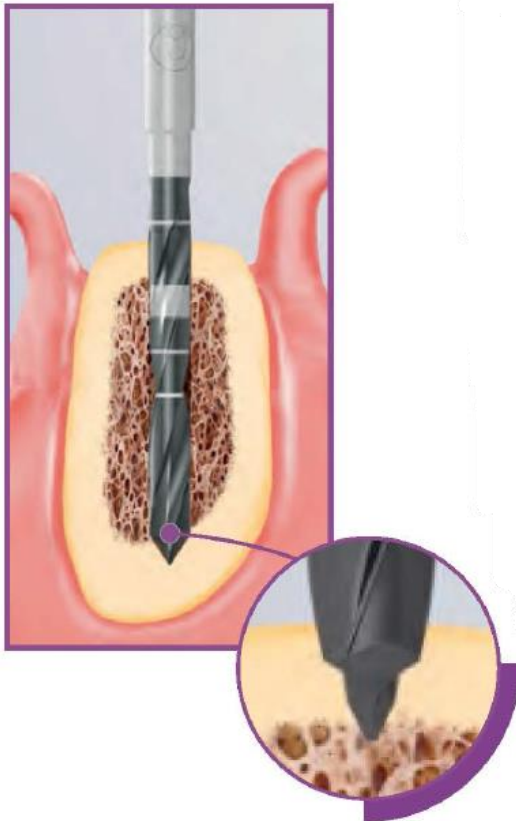


Tapered Drill 2.0

800 RPM

Reach the planned preparation depth

- The 2.0 twist Neodent drill has an active tip that can be used as an initial drill
- This can be performed in situations where there is a flat bone ridge and so the use of the initial drill can be avoided



Ø2.0
Short 31 mm
Regular 35 mm
Long 43 mm

103.425

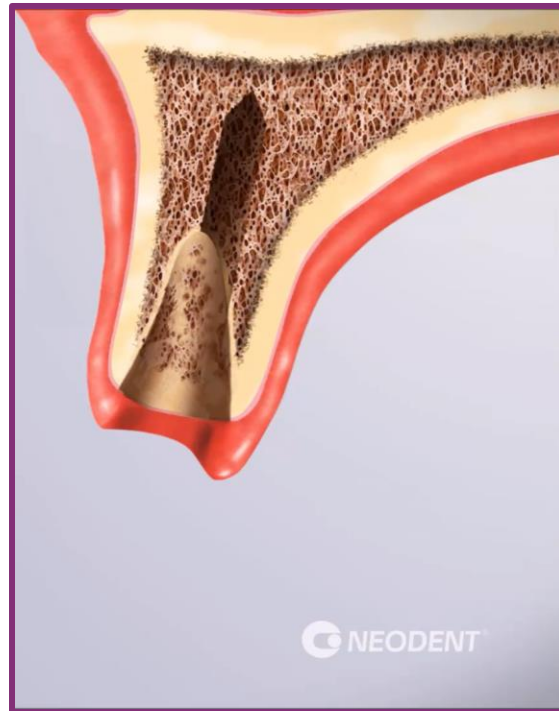


Tapered Drills 3.5

800 RPM

Helix and Drive

- This is the last basic drill step for the 3.5 mm implant



	Ø3.5
Short 31 mm	103.400
Regular 35 mm	103.399
Long 43 mm	103.401



Tapered Drills 3.75

800-1200 RPM

Helix and Drive

- This is the last basic drill step for the 3.75 mm implant



Ø3.75

Short 31 mm

103.403

Regular 35 mm

103.402

Long 43 mm

103.404



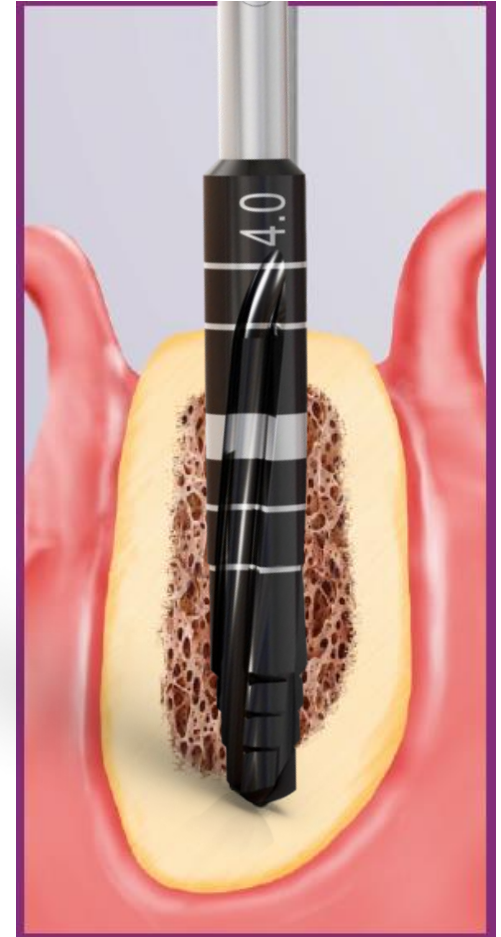
Tapered Drills 4.0

800 RPM

Helix and Drive

- X-ray is recommended
 - Bone availability
 - Axis in relation to adjacent roots
- The tip of the drill guides the drilling
- This is the last basic drill step for the 4.0 mm implant

	Ø4.0
Short 31 mm	103.406
Regular 35 mm	103.405
Long 43 mm	103.407



Tapered Drills 4.3

Helix and Drive

- X-ray is recommended
 - bone availability
 - Axis in relation to adjacent roots
- The tip of the drill guides the drilling
- This is the last basic drill step for the 4.3 mm implant

Short 31 mm

Ø 4.3

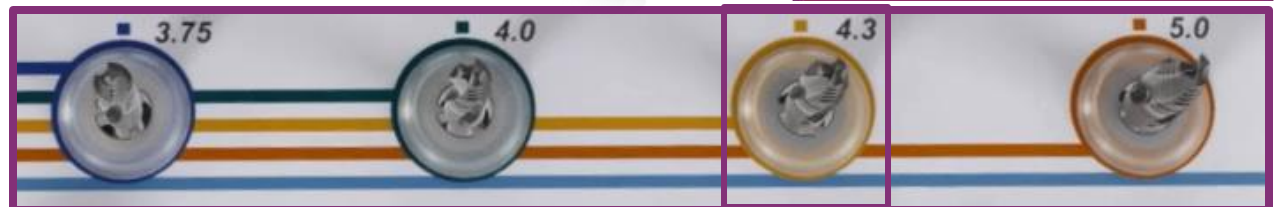
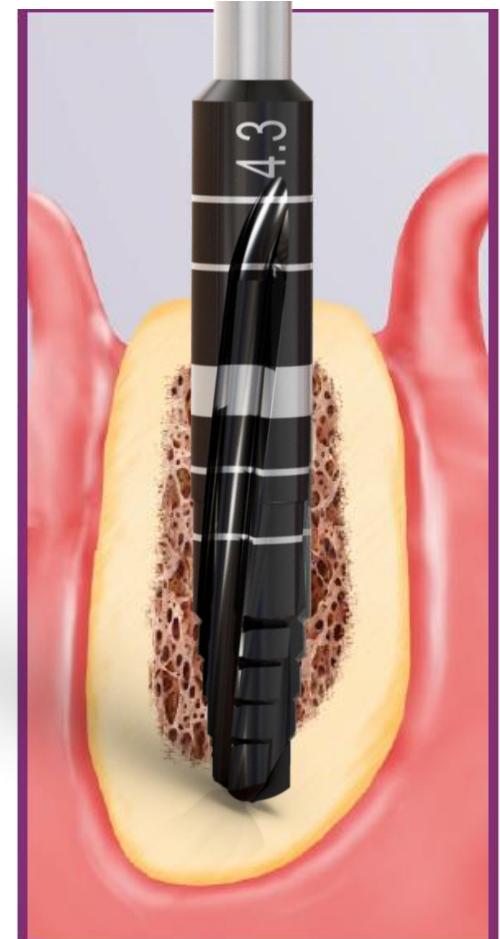
103.409

Regular 35 mm

103.408

Long 43 mm

103.410



Tapered Drills 5.0

Helix and Drive

- The tip of the drill guides the drilling
- This is the last basic drill step for the 5.0 mm implant
- X-ray is recommended
 - bone availability
 - Axis in relation to adjacent roots

Ø5.0

Short 31 mm 103.412

Regular 35 mm 103.411

Long 43 mm 103.413



Tapered Contour Drills Also called “Plus Drills”

- Bone types I and II
- For Helix (not for Drive)



Ø 3.5+

103.419

Ø 3.75+

103.420

Ø 4.0+

103.421

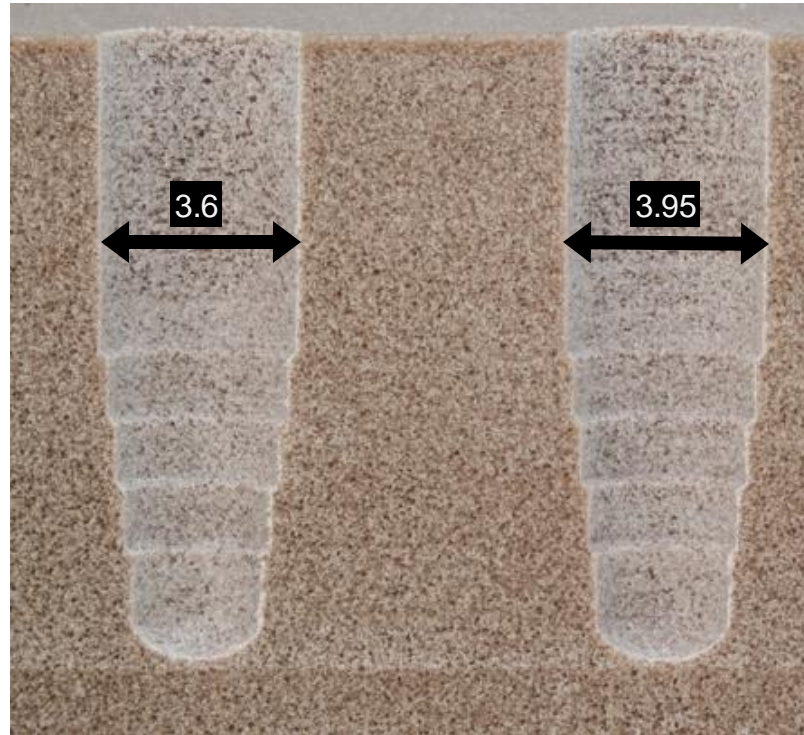
Ø 4.3+

103.422

Ø 5.0+

103.423

Tapered vs Tapered Contour Drills

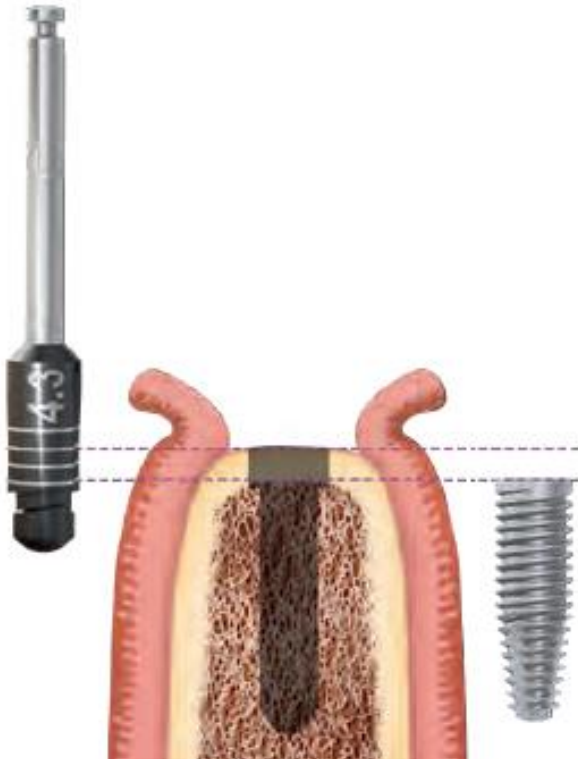
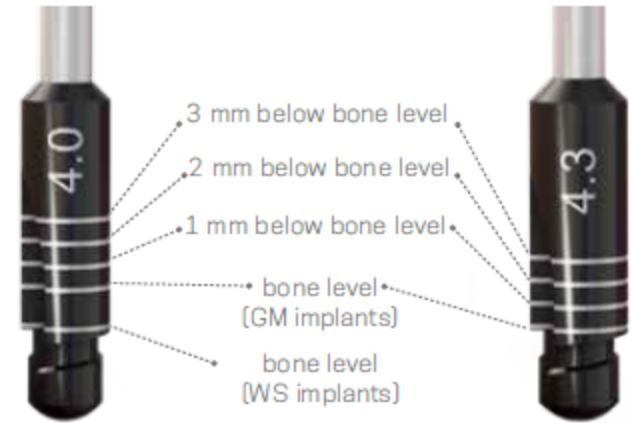




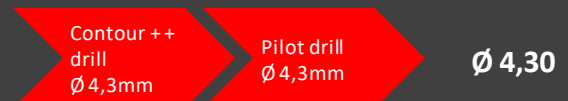
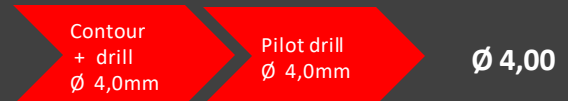
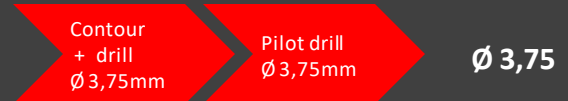
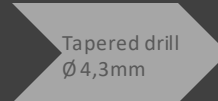
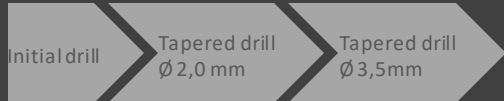
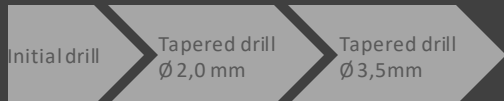
Pilot Drills (Countersink drill) Profiling the Osteotomy

300 RPM

- For Helix and Drive implants
- Used for bone type I and II
- Optional in bone types III-IV



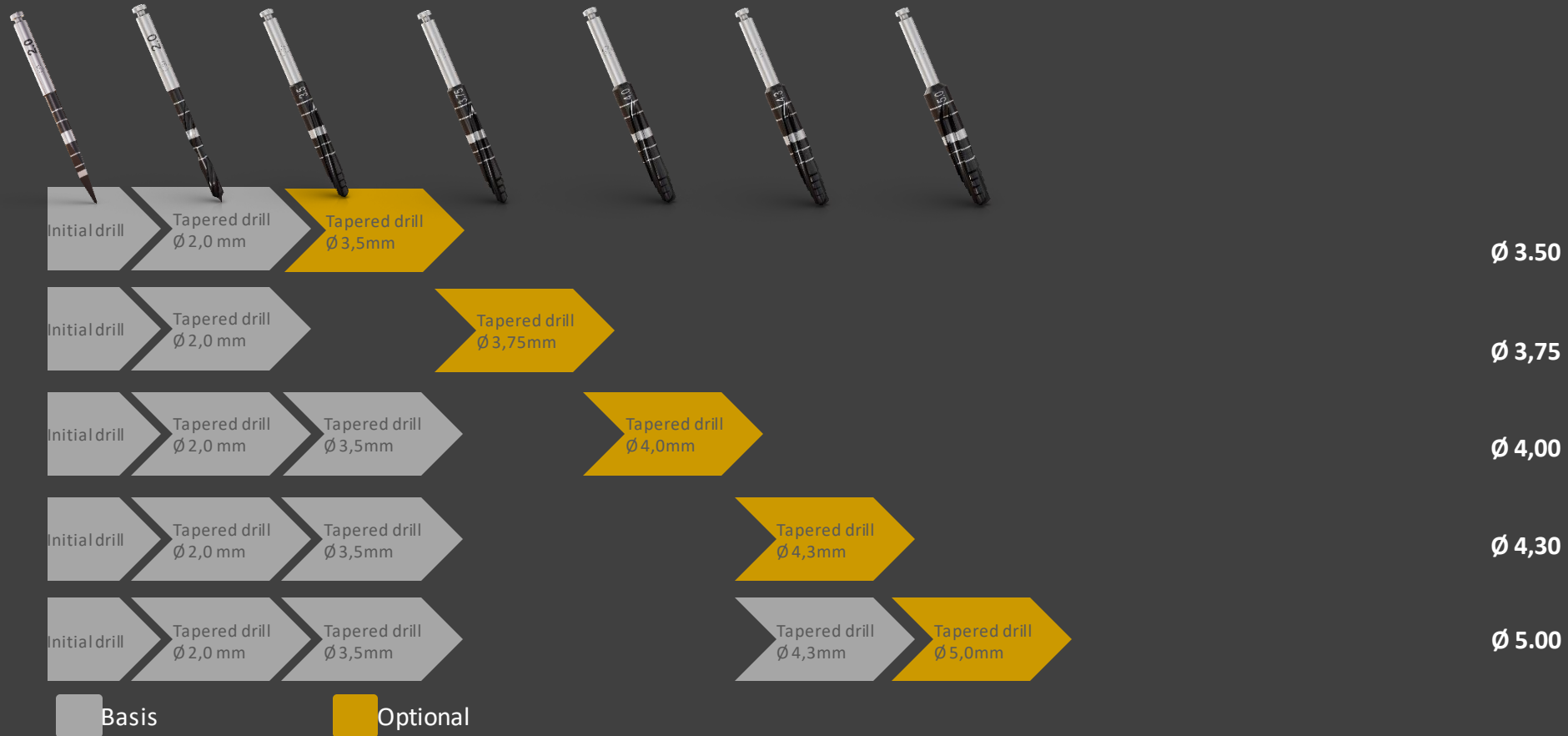
GM Helix – Bone types I&II



■ Basis ■ Optional

■ Bone I&II only

GM Helix – Bone Types III&IV



Drill Markings

Helix and Drive



- Marks referred to each implant length, regardless of the drill diameter
- Drills are up to 0.5mm longer than the implant
- This additional length has to be planned before the surgery



Drill extension

Most drills come in three lengths

- 31 mm
- 35 mm (included in the surgical kit)
- 43 mm



Implant Placement

Neodent Implant Packaging



(01)07899878024231 (11)170522(17)220522(10)800302613



IMPLANTE HELIX GM
GM HELIX IMPLANT
IMPLANTE HELIX GM
IMPIANTO HELIX GM
GM HELIX IMPLANTAT
IMPLANT HELIX GM



ifu.neodent.com.br

330.324.01

REF 109.952

LOT 800302613

2017-05-22

SIZE 4.3X16 mm

MAT TITANIO
TITANIUM

2022-05-22



335.504.02 Reg. ANVISA 10344420180

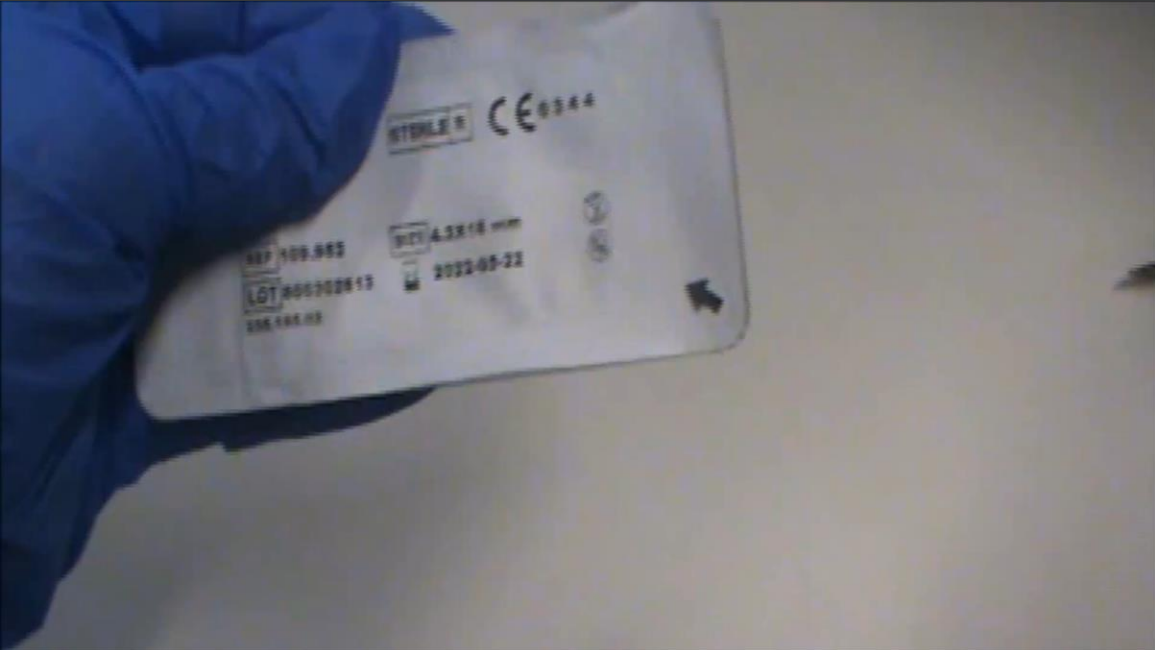
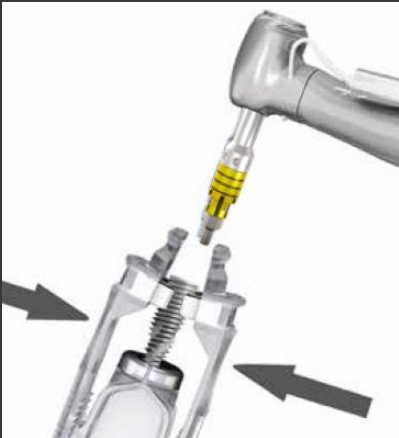


STERILE R Rx only Qty: 1 Proibido Reprocessar

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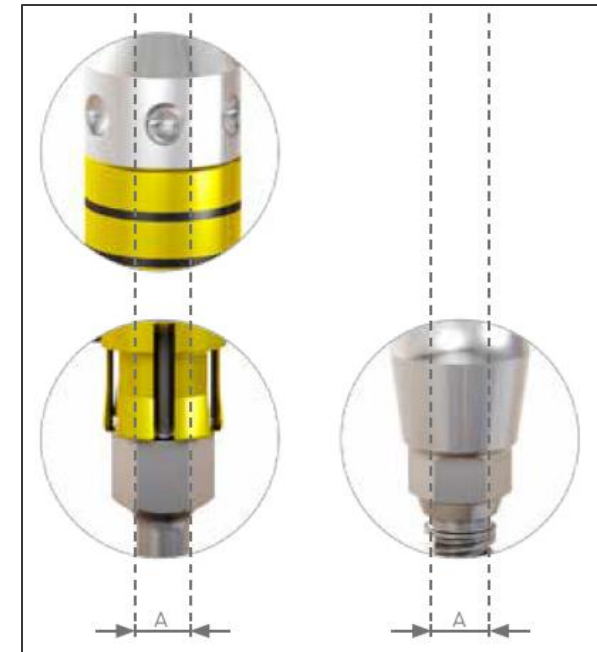
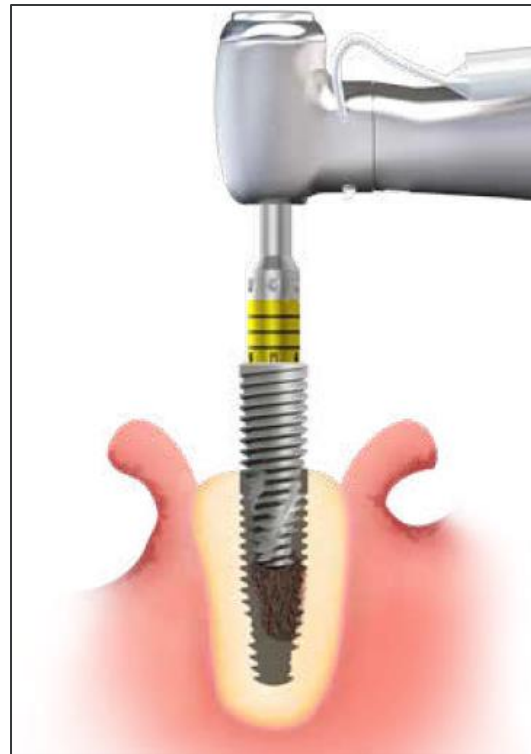
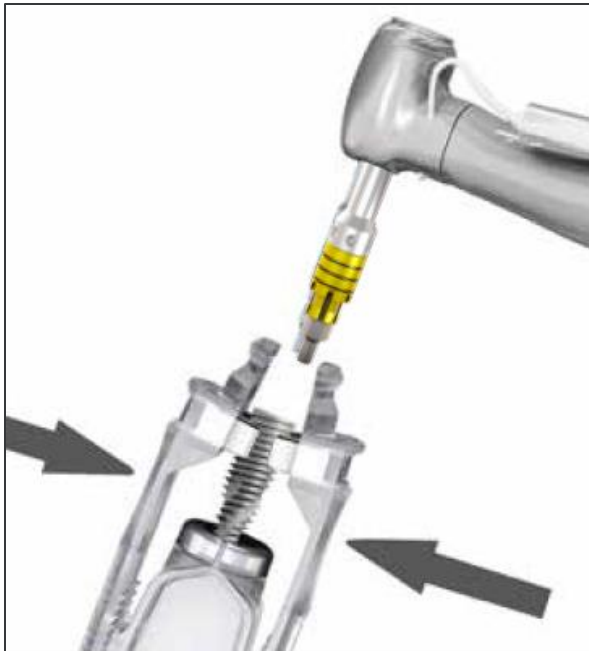
Opening the implant package



Placing the implants with the contra angle

- Hold the implant through its blister and attach the hand piece driver of the GM implant
- Place the implant into its final positioning with a maximum torque of 45 N.cm and 30 rpm turning it clockwise

GM Implant Driver – Contra-Angle



Placing the implants by hand

Manual Implant Driver
for Contra-Angle
+
GM Implant Driver for
Contra Angle

Torque Wrench
+
CM Implant Driver for
Torque Wrench

Manual Implant Driver
for Torque Wrench
+
CM Implant Driver for
Torque Wrench



Not
included in
the surgical
kit

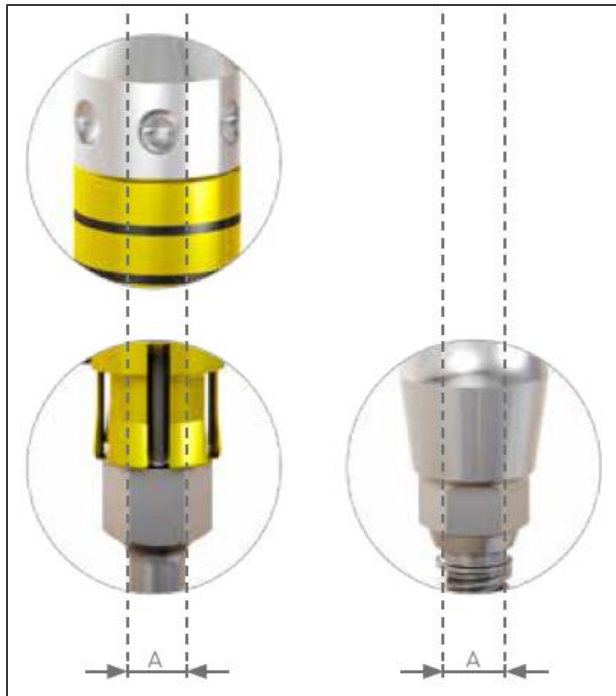
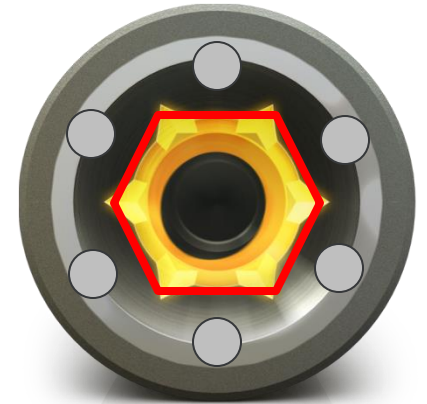


To
carry
implant



Exact Placement

The dots on the implant adapter correspond to the flat side of the internal connection



GM Height Measurer

- Titanium
- Used to select healing abutment
- Marks correspond to transmucosal heights



Bone Profilers





Thank you