SGS Dental
Swiss Implant System

MENTOR KIT

SURGICAL GUIDE

ENG / 200313

MENTOR

GUIDED SURGERY KIT

CLEANING, STERILIZING GUIDE

Surgical kits and other prosthetic tools should be sterilized properly, which means meet the requirements of precise operational protocol. Please find below steps of clinical sterilization, disinfection and cleaning:

1. Bath the drills for 15 minutes (e.g. Descobohrerbad)
2. Rinse, brush, blow with air pressure and dry the drills and tools
3. Put the cleaned drills and tools back into the surgical kit
4. Package the filled surgical kit into sterilizing nylon
5. Put into Autoclav: 134°C, 2.1 bar, 15 minutes

°C
121-134

Min
15

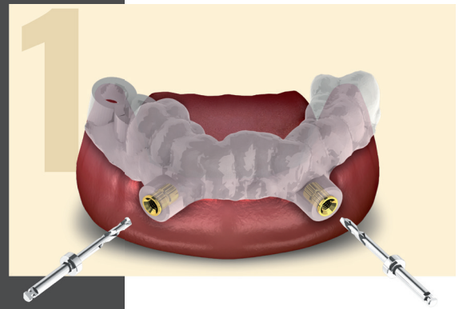
Bar
2,12 - 2,14

WARNING: It is user's responsibility to clean the surgical kit before and after using.

Prepare a precise written operational and sterilization protocol and follow it carefully, with attention all the time! Chemical sterilization is not recommended since this procedure can damage the plastic surface. In order to avoid damages the surgical cassette has to be placed correctly in the autoclave. Items sensitive to heat cannot be sterilized by this way. If indicated, clean and sterilize modified abutments and restorations from the dental laboratory according to commonly accepted procedures for dental laboratory work.

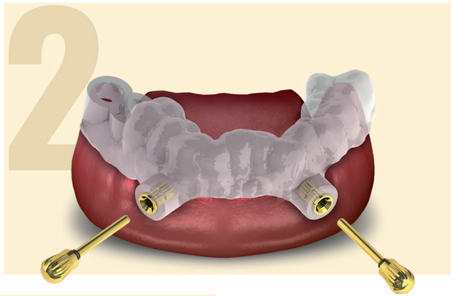
ANCHOR PINS

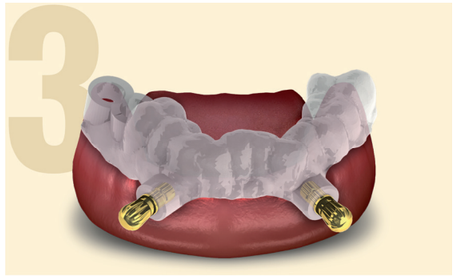
MAX 300 RPM



FIXATION PINS

Fixation pins are recommended for use in fully edentulous cases or if template stability cannot be guaranteed.





TISSUE PUNCH

MAX 25 RPM

1 TISSUE PUNCH

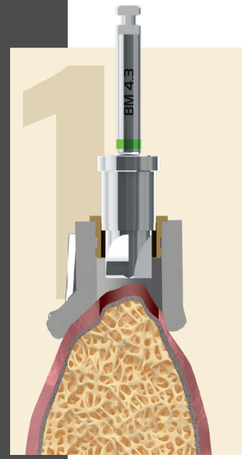
The tissue punch creates a round cut beneath the sleeve.
This marks the implant position.

2-3 TISSUE REMOVAL

Remove the template, then manually remove punched gingiva.

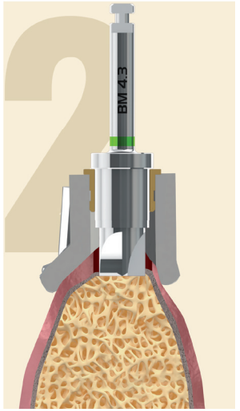
BONE MILL

MAX 500 RPM



1 BONE MILL

The bone mill is designed to flatten the alveolar ridge, when necessary, prior to drilling.



2-3 BONE MILL USE

A flat surface allows for a better approach for the starter drill, therefore increasing the accuracy for the rest of the drilling sequence.

CONICAL CONNECTION

DRILLING PROTOCOL

P1D DENTAL IMPLANT

Ø3.5mm	Ø3.75mm	Ø4.2mm	Ø5.0mm
-	-	6 mm	6 mm
8 mm	8 mm	8 mm	8 mm
10 mm	10 mm	10 mm	10 mm
11.5 mm	11.5 mm	11.5 mm	11.5 mm
13 mm	13 mm	13 mm	13 mm

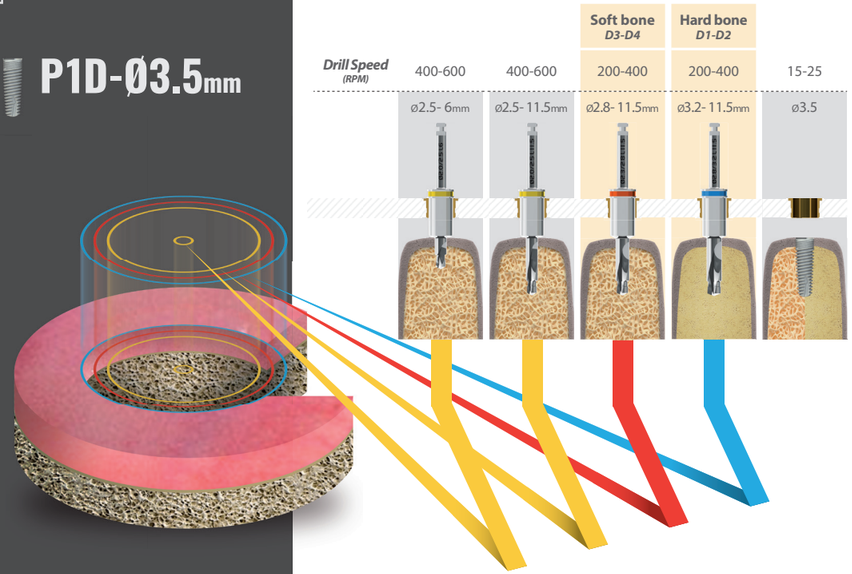
P5D DENTAL IMPLANT

Ø3.5mm	Ø3.75mm	Ø4.2mm	Ø4.5mm	Ø5.0mm
-	-	6 mm	6 mm	6 mm
8 mm	8 mm	8 mm	8 mm	8 mm
10 mm	10 mm	10 mm	10 mm	10 mm
11.5 mm	11.5 mm	11.5 mm	11.5 mm	11.5 mm
13 mm	13 mm	13 mm	13 mm	13 mm

P7D DENTAL IMPLANT

Ø3.5mm	Ø3.75mm	Ø4.2mm	Ø4.5mm	Ø5.0mm
-	-	6 mm	6 mm	6 mm
8 mm	8 mm	8 mm	8 mm	8 mm
10 mm	10 mm	10 mm	10 mm	10 mm
11.5 mm	11.5 mm	11.5 mm	11.5 mm	11.5 mm
13 mm	13 mm	13 mm	13 mm	13 mm

P1D-Ø3.5mm

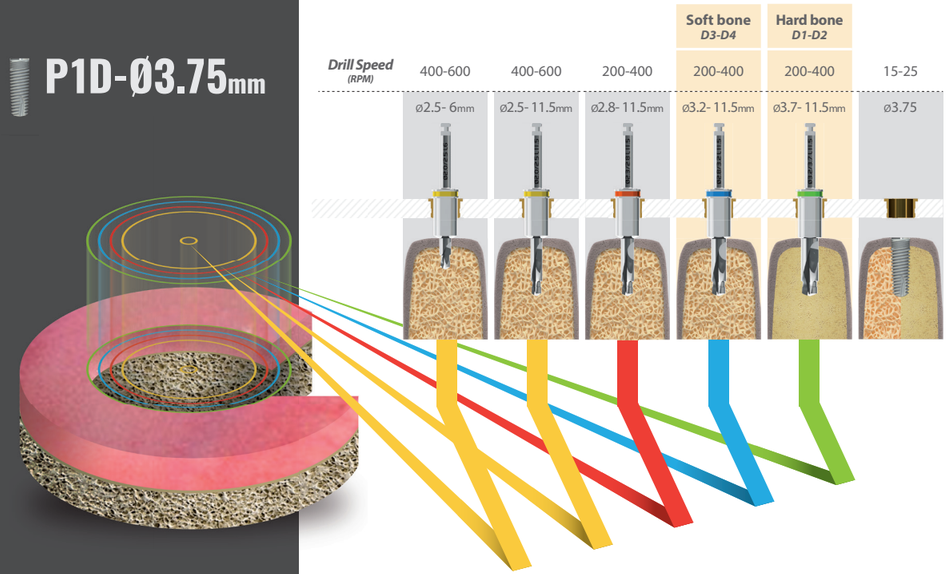


This Protocol shows an example of a Drilling Protocol for an Implant of 11.5 Millimeter Length.

Regardless of the Implant Length being drilled, the First Drill, also referred to as Pilot Drill, will always be the Ø2.0/2.5 L6 drill.

Procedure recommended by SGS cannot replace the judgment and professional experience of the surgeon.

P1D-Ø3.75mm



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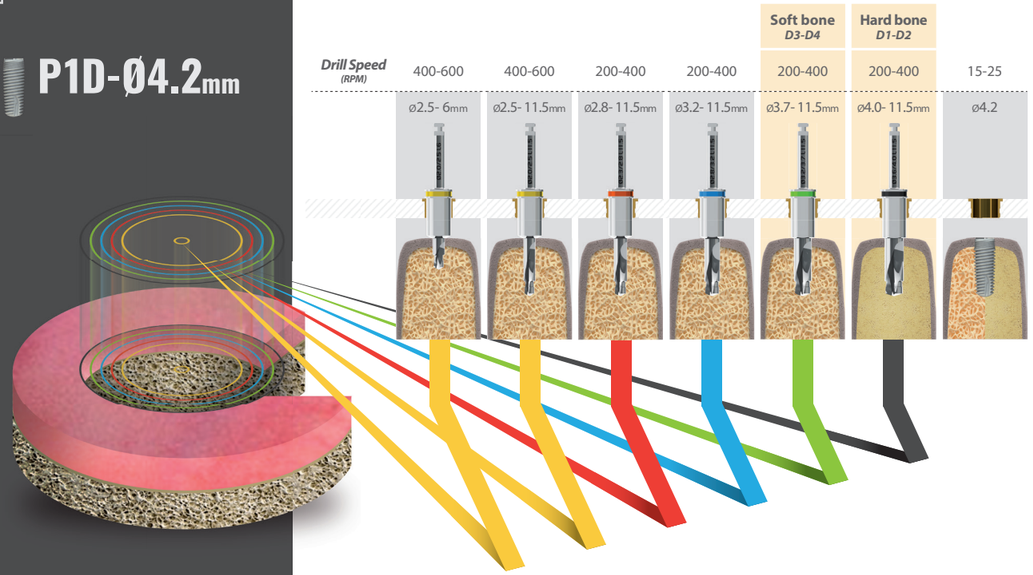
P1D-Ø4.2mm



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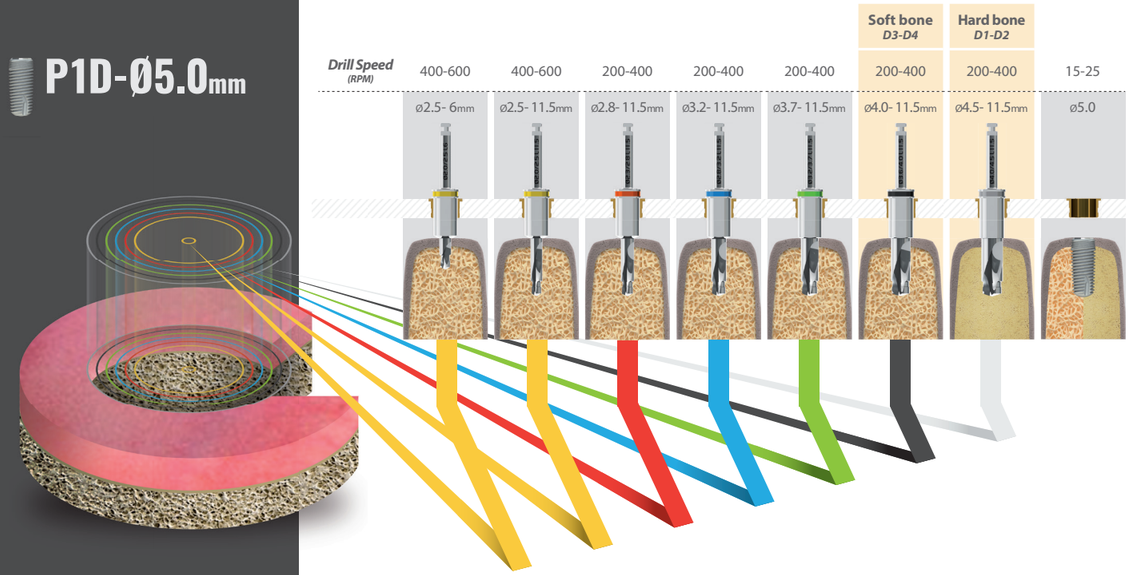
P1D-Ø5.0mm



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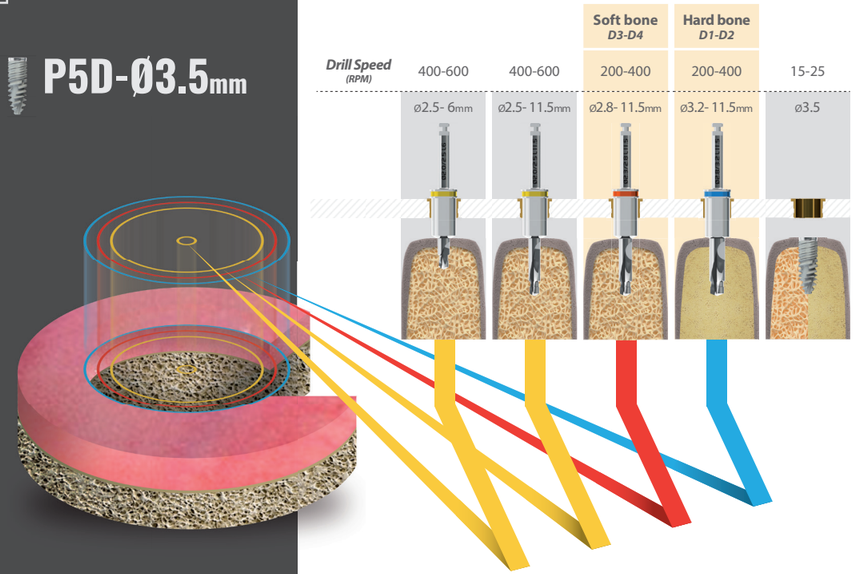
P5D-Ø3.5mm



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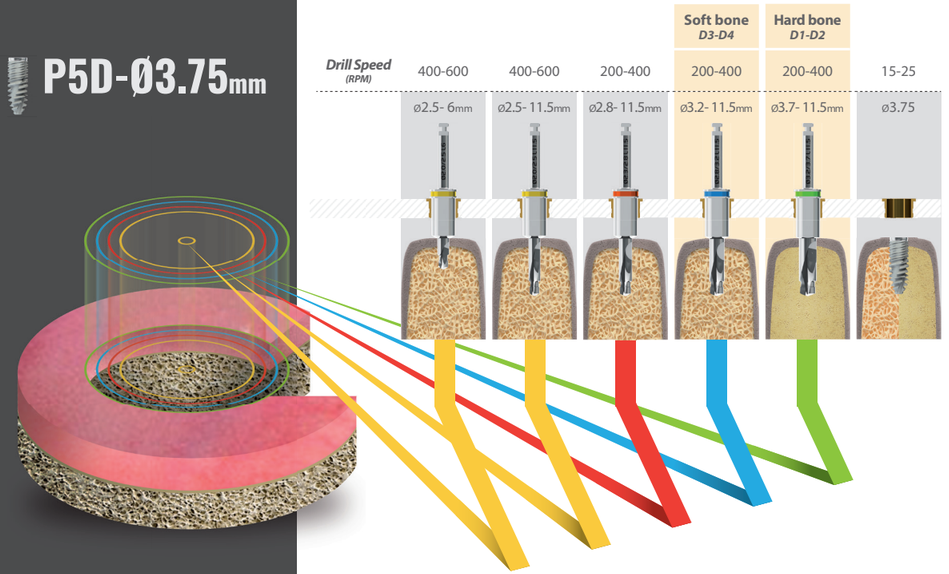
P5D-Ø3.75mm



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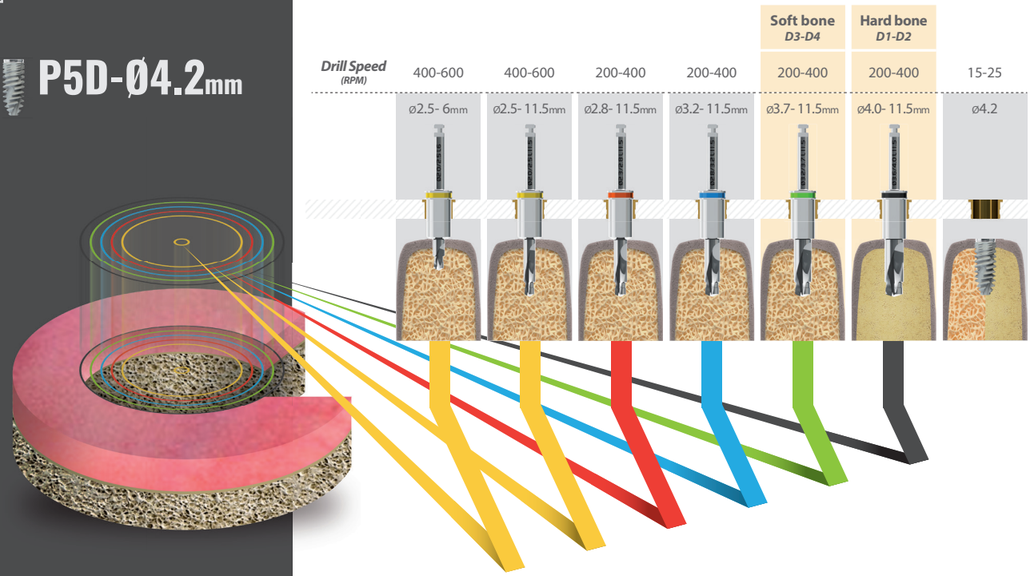
P5D-Ø4.2mm



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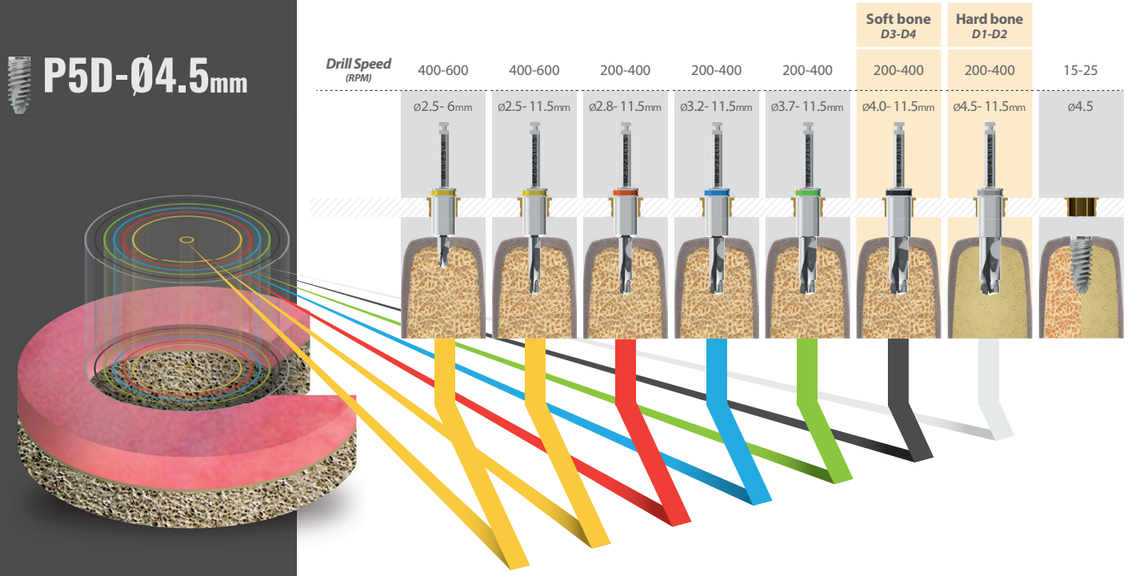
P5D-Ø4.5mm



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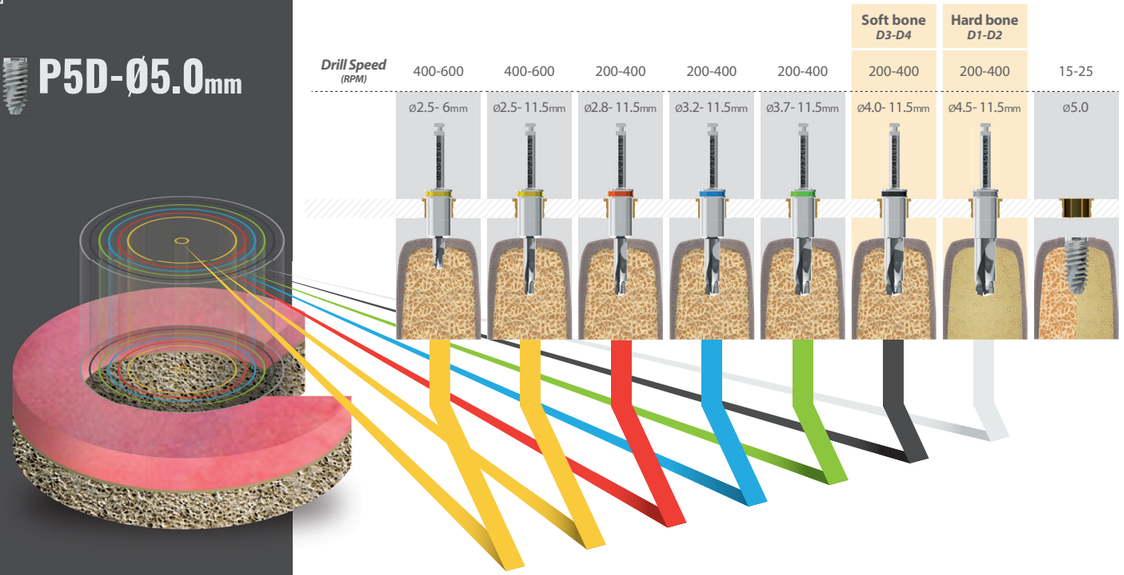
P5D-Ø5.0mm



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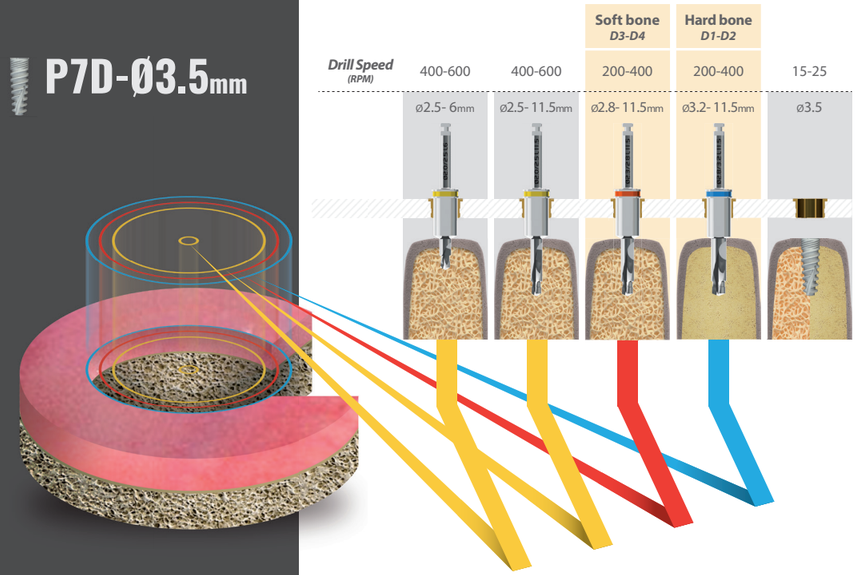
P7D-Ø3.5mm



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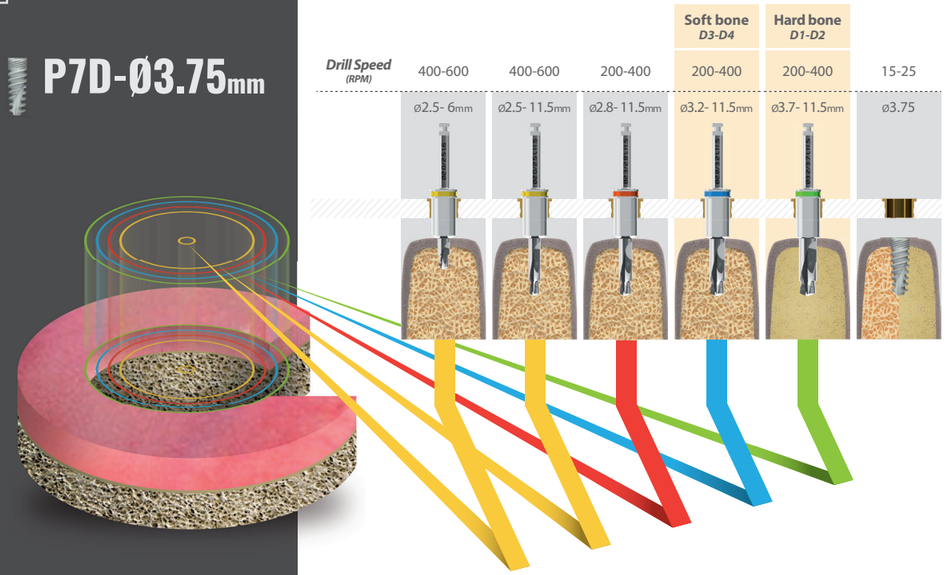
P7D-Ø3.75mm



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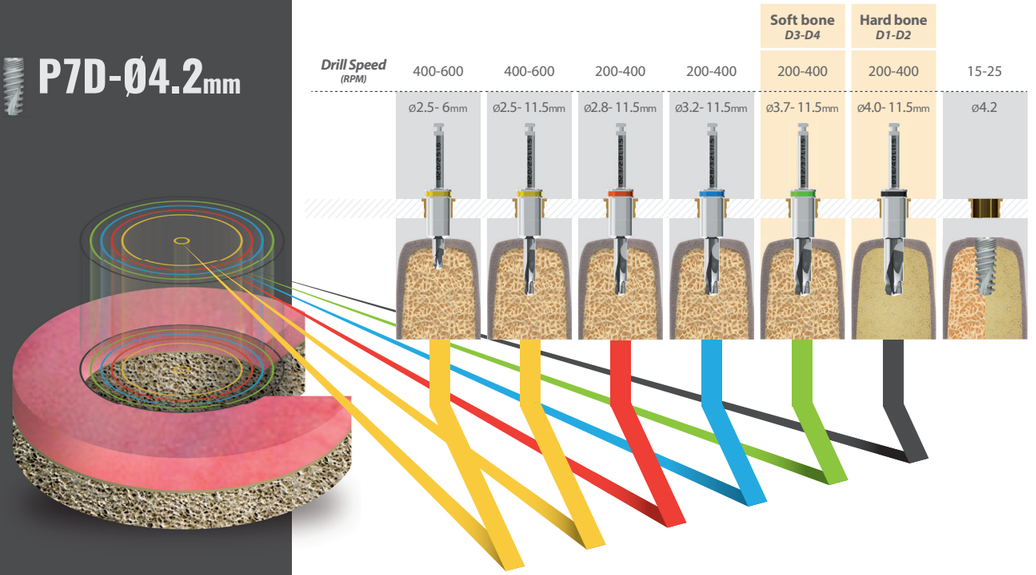
P7D-Ø4.2mm



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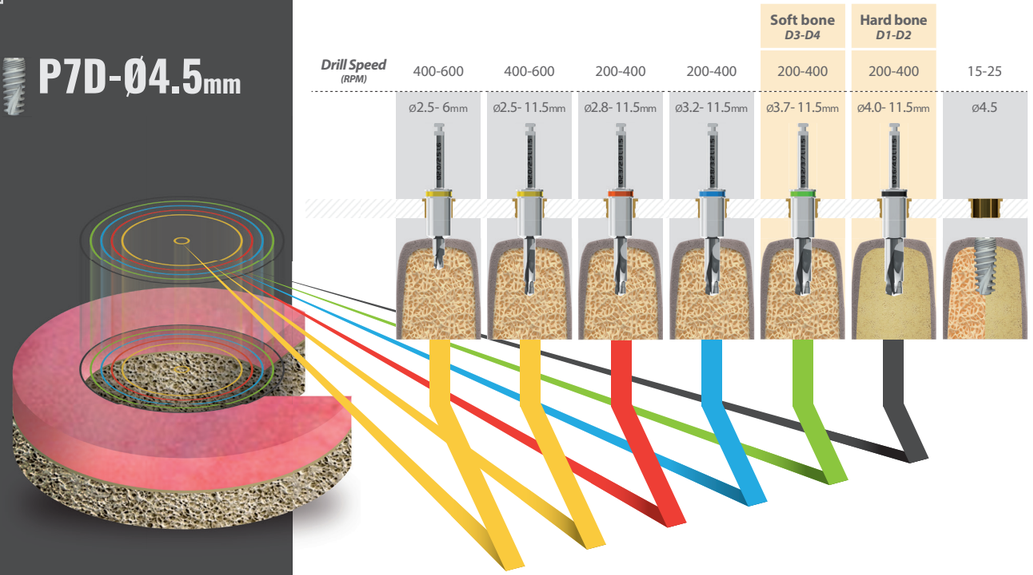
P7D-Ø4.5mm



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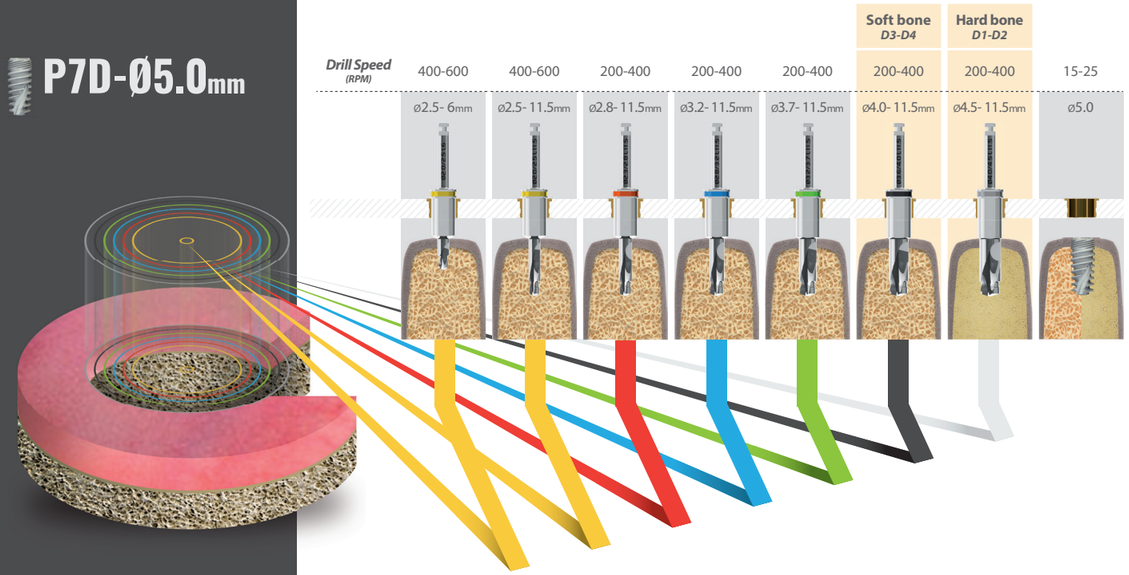
P7D-Ø5.0mm



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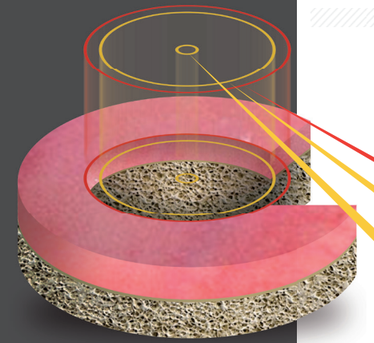
NARROW CONICAL CONNECTION

DRILLING PROTOCOL

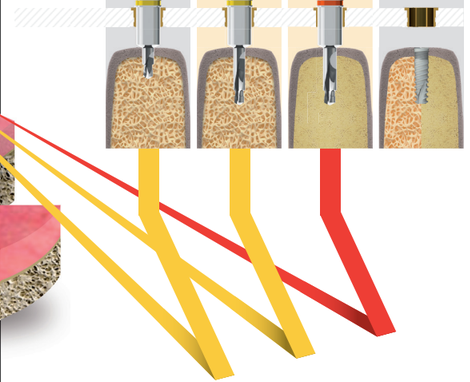
P7N DENTAL IMPLANT

Ø3.0mm	Ø3.2mm
-	-
-	8 mm
10 mm	10 mm
11.5 mm	11.5 mm
13 mm	13 mm

P7N-Ø3.0mm



	Soft bone D3-D4	Hard bone D1-D2	
Drill Speed (RPM)	400-600	400-600	200-400	15-25
	ø2.5- 6mm	ø2.5- 11.5mm	ø2.8- 11.5mm	ø5.0



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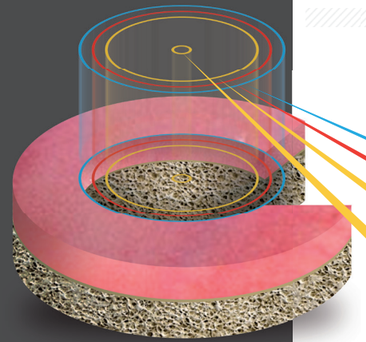
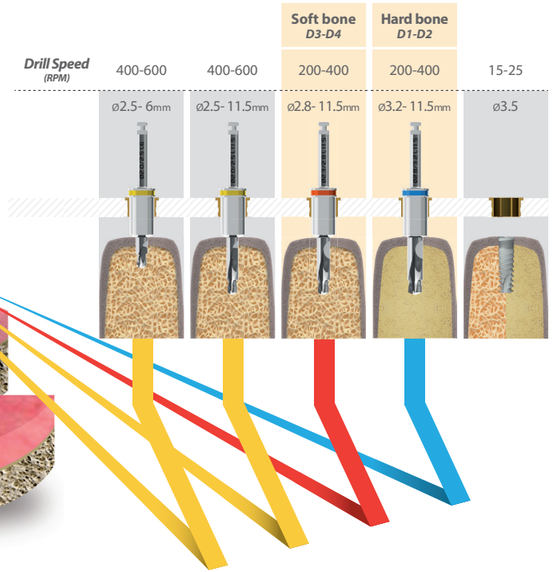
P7N-Ø3.2mm





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INTERNAL HEXAGON

DRILLING PROTOCOL

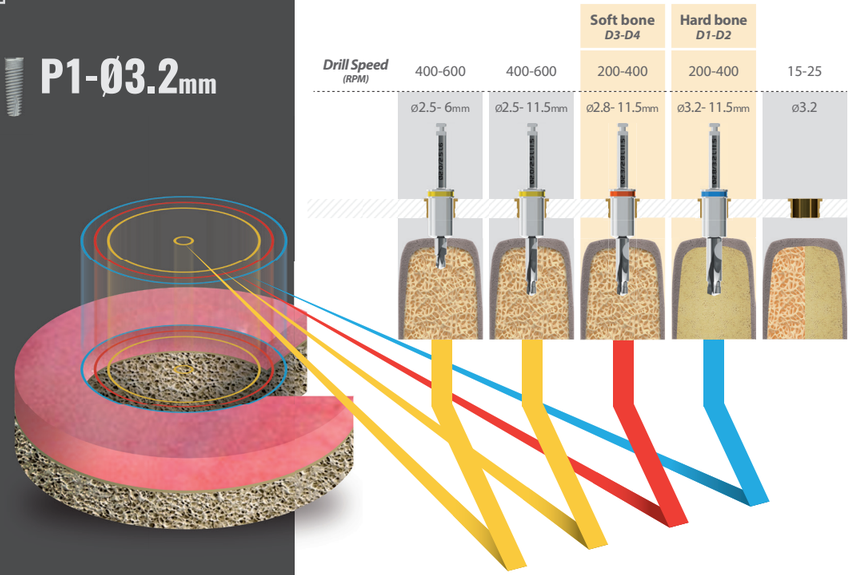
P1 DENTAL IMPLANT

Ø3.2mm	Ø3.75mm	Ø4.2mm	Ø5.0mm
-	-	6 mm	6 mm
8 mm	8 mm	8 mm	8 mm
10 mm	10 mm	10 mm	10 mm
11.5 mm	11.5 mm	11.5 mm	11.5 mm
13 mm	13 mm	13 mm	13 mm

P7 DENTAL IMPLANT

Ø3.2mm	Ø3.75mm	Ø4.2mm	Ø4.5mm	Ø5.0mm
-	-	6 mm	6 mm	6 mm
8 mm	8 mm	8 mm	8 mm	8 mm
10 mm	10 mm	10 mm	10 mm	10 mm
11.5 mm	11.5 mm	11.5 mm	11.5 mm	11.5 mm
13 mm	13 mm	13 mm	13 mm	13 mm

P1-Ø3.2mm



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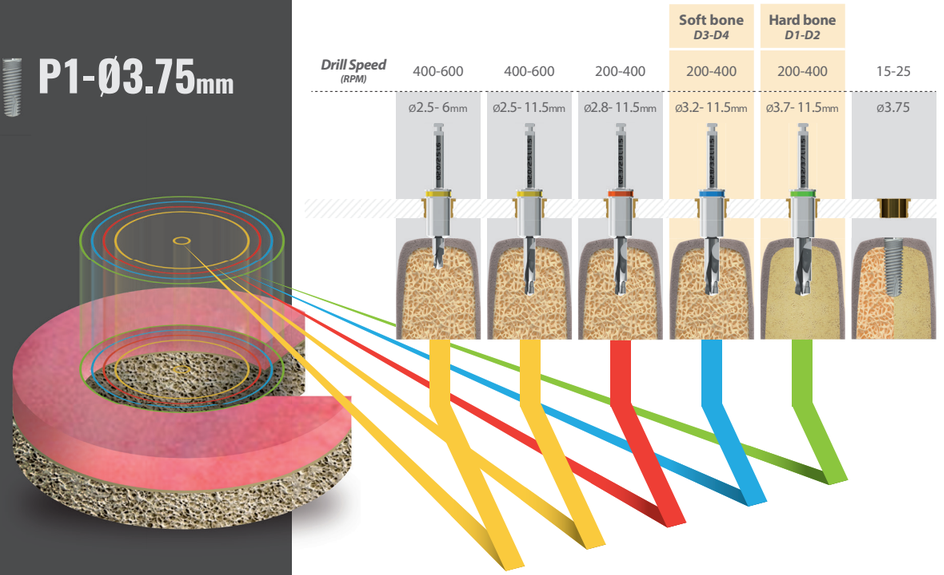
P1-Ø3.75mm



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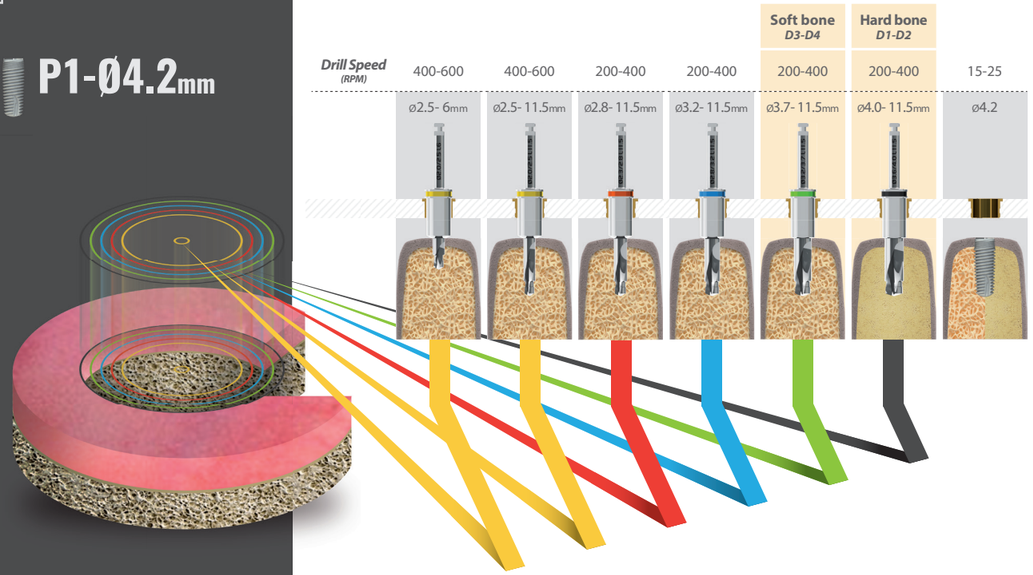
P1-Ø4.2mm



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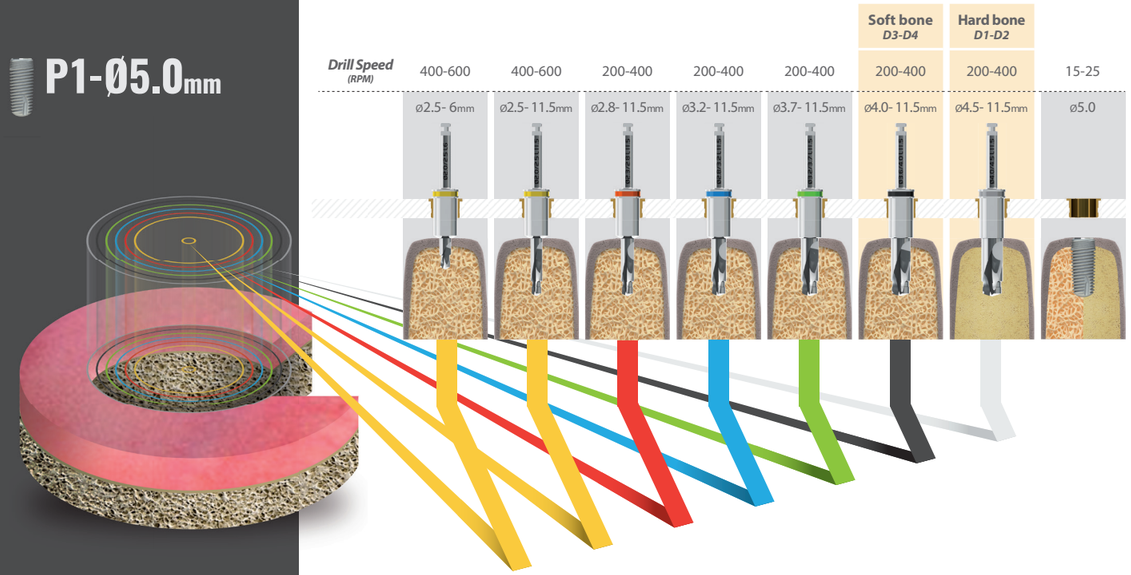
P1-Ø5.0mm



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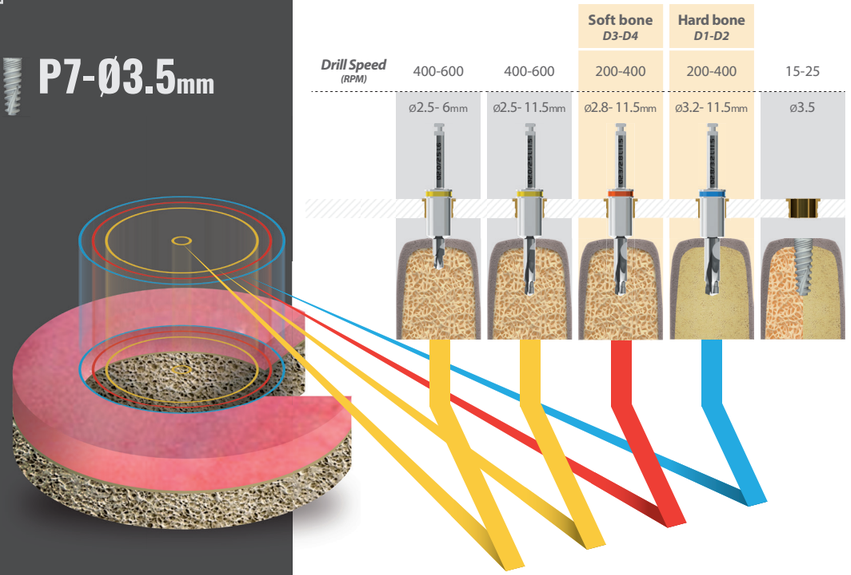
P7-Ø3.5mm



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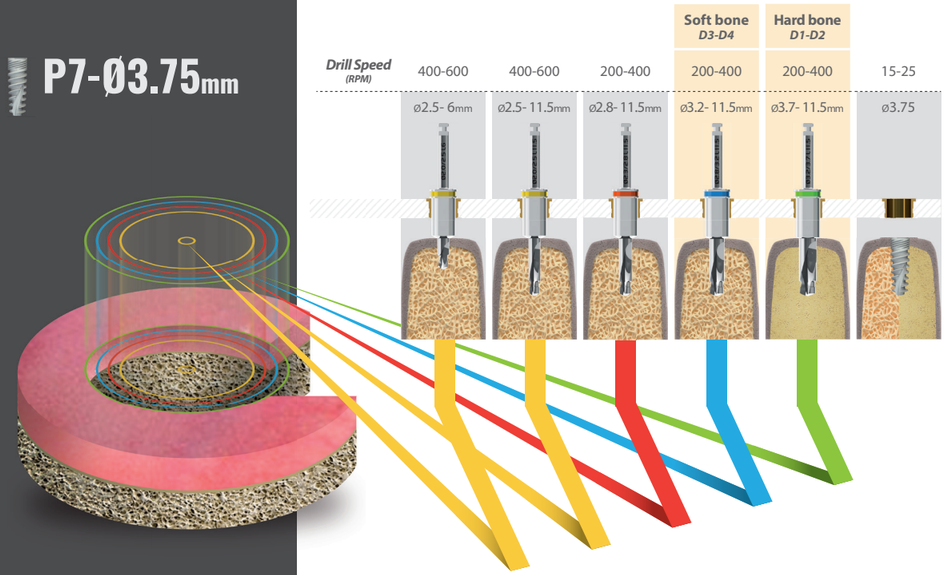

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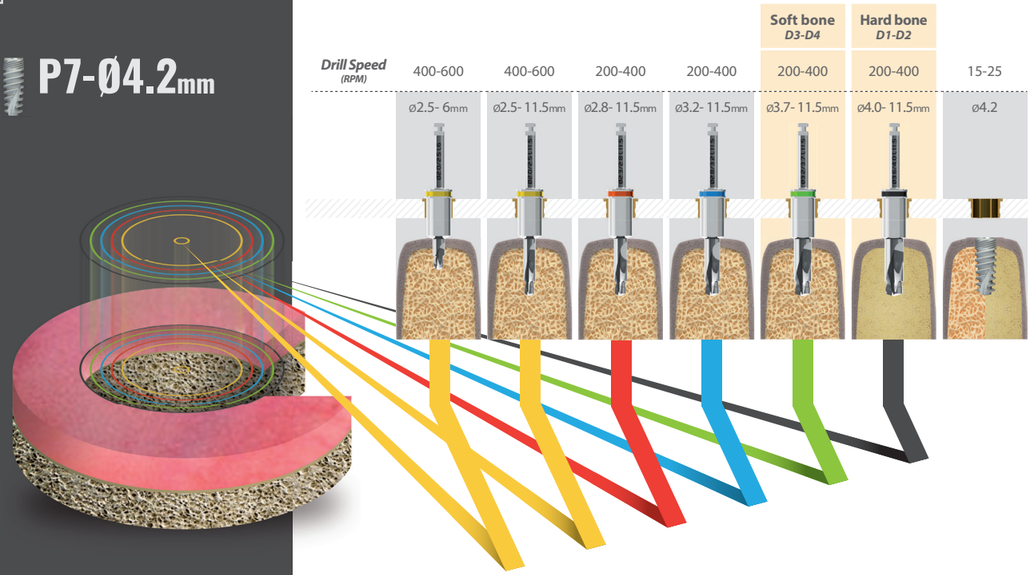
P7-Ø4.2mm



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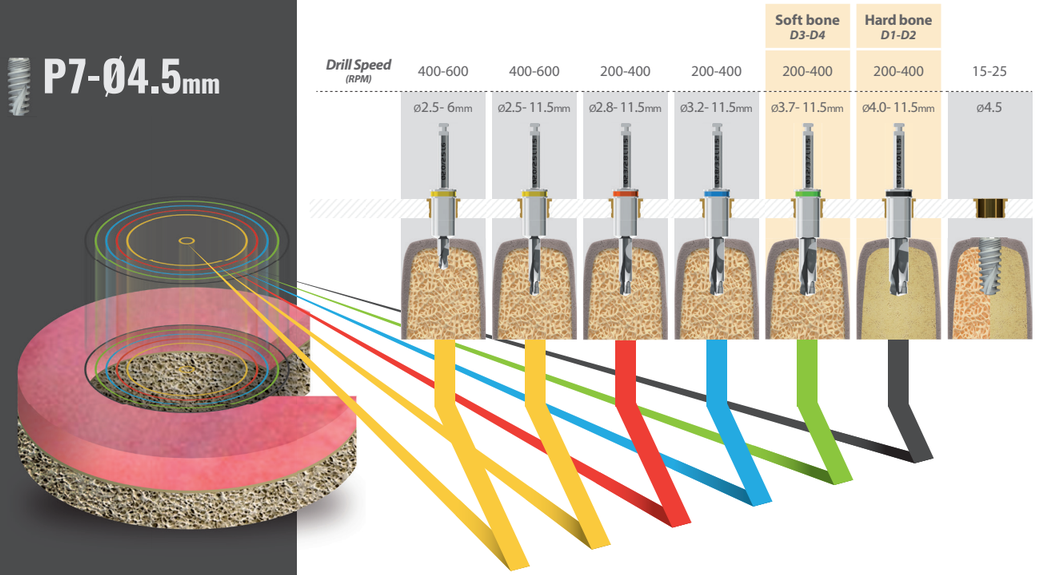
P7-Ø4.5mm



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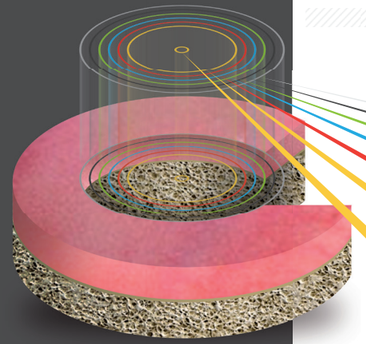
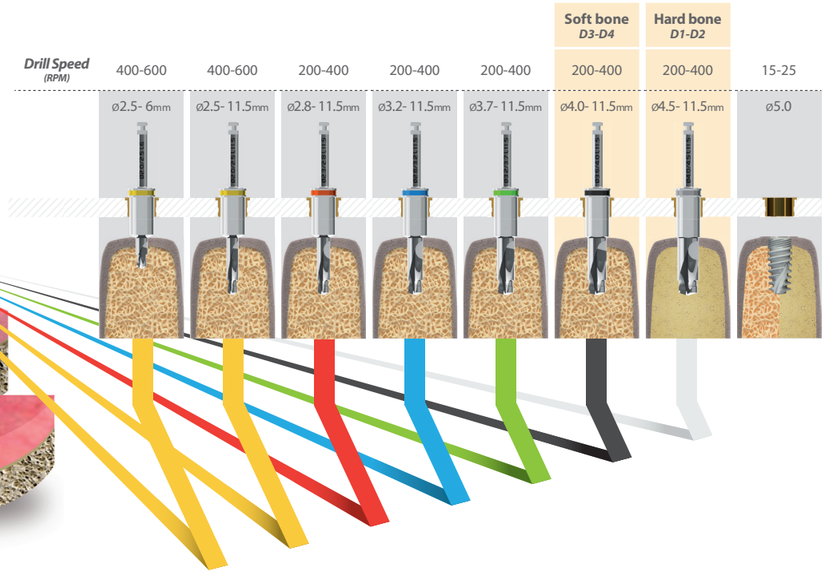
P7-Ø5.0mm





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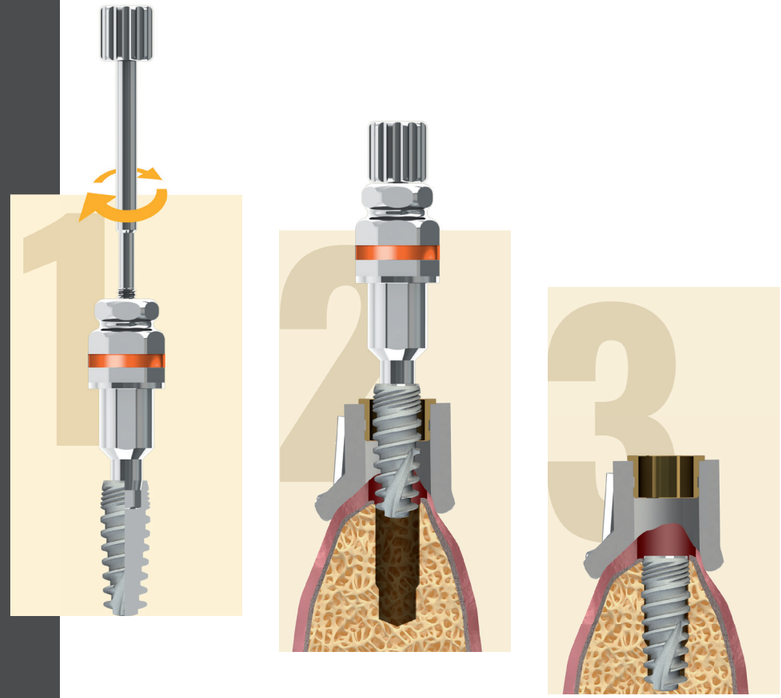
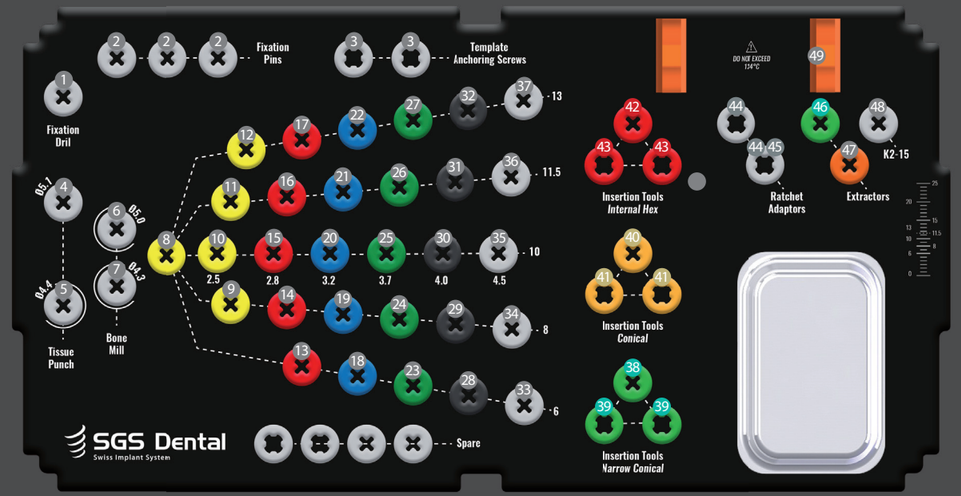
IMPLANT INSERTION





1 DL-2.0 - Fixation Drill
2 Anchor/Fixation pin
3 Anchor Screw
4 TP 5.1 - Tissue Punch
5 TP 4.4 - Tissue Punch
6 GBM 5.0 - Bone Mill
7 GBM 4.3 - Bone Mill
8 SD 2025 L6 - Drill
9 SD 2025 L8 - Drill
10 SD 2025 L10 - Drill
11 SD 2025 L11.5 - Drill
12 SD 2025 L13 - Drill
13 SD 2328 L6 - Drill
14 SD 2328 L8 - Drill
15 SD 2328 L10 - Drill
16 SD 2328 L11.5 - Drill
17 SD 2328 L13 - Drill
18 SD 2832 L6 - Drill
19 SD 2832 L8 - Drill
20 SD 2832 L10 - Drill
21 SD 2832 L11.5 - Drill
22 SD 2832 L13 - Drill
23 SD 3237 L6 - Drill
24 SD 3237 L8 - Drill
25 SD 3237 L10 - Drill
26 SD 3237 L11.5 - Drill
27 SD 3237 L13 - Drill
28 SD 3640 L6 - Drill
29 SD 3640 L8 - Drill
30 SD 3640 L10 - Drill
31 SD 3640 L11.5 - Drill
32 SD 3640 L13 - Drill
33 SD 4045 L6 - Drill
34 SD 4045 L8 - Drill
35 SD 4045 L10 - Drill
36 SD 4045 L11.5 - Drill
37 SD 4045 L13 - Drill
38 K8GN - Driver
39 K5GN - Driver
40 K8GD - Driver
41 K5GD - Driver
42 K8G - Driver
43 K5G - Driver
44 K8R - Ratchet Adaptor
45 K3D - Hand Adaptor
46 K7N - Retrieving Screw
47 K7 - Retrieving Screw
48 K2-15 - Hand Driver
49 Ratchet

MENTOR

GUIDED SURGERY KIT

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