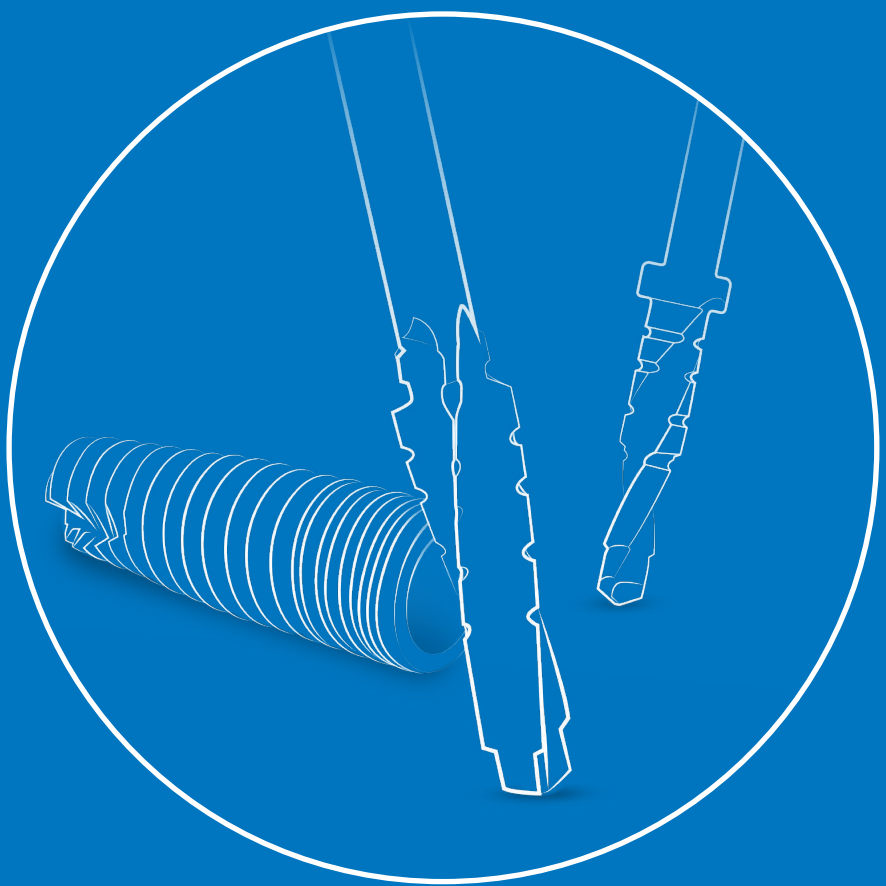


mis® XD™

NEW. SHARP. EVERY SINGLE TIME

NEW. SHARP. EVERY SINGLE TIME.

MIS XD are single-use, sharp, sterile drills, delivering a full procedure in every implant package. These single-use drills are designed for optimal implant-drill compatibility and high initial stability, while ensuring safe and simplified procedures.

XD SHARP

MIS XD, supplied in every implant package, are always sharp. Using sharp drills in every drilling procedure prevents drill wear and deformation.

XD STERILE

MIS XD, supplied in every implant package, are always sterile. This eliminates the need for post-surgery sterilization and reduces the risk of cross contamination and infection.

XD SAFE

MIS XD, supplied in every implant package, are always compatible with the implant shape and dimensions. MIS XD are designed for depth control, which provides more visibility and confidence in every drilling procedure.

XD SIMPLE

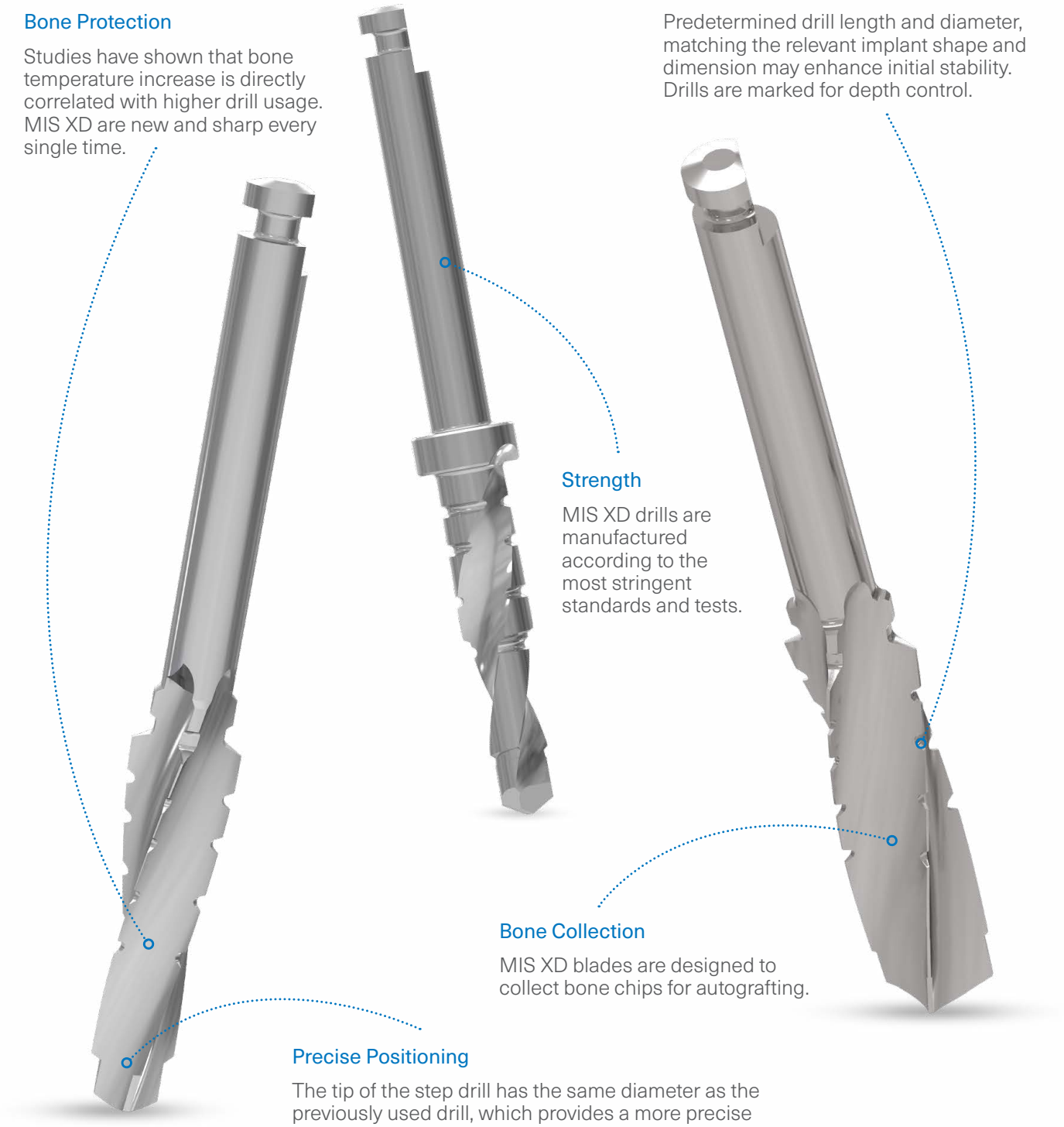
MIS XD, supplied in every implant package, are single-use drills. Single-use drills allow for a simple and quick procedure while eliminating cleaning, re-sterilization and reduce managing drill replacement in the surgical kits.

Bone Protection

Studies have shown that bone temperature increase is directly correlated with higher drill usage. MIS XD are new and sharp every single time.

Depth Planning

Predetermined drill length and diameter, matching the relevant implant shape and dimension may enhance initial stability. Drills are marked for depth control.



Strength

MIS XD drills are manufactured according to the most stringent standards and tests.

Bone Collection

MIS XD blades are designed to collect bone chips for autografting.

Precise Positioning

The tip of the step drill has the same diameter as the previously used drill, which provides a more precise positioning of the drill inside the osteotomy.

MIS XD GUARANTEED QUALITY

MIS XD have successfully passed the strictest quality tests:

- Corrosion test: MIS XD have shown no corrosion under stringent conditions.
- Bending test: MIS XD have shown good performance under the requirements of ISO 8325:2004.
- Drilling ability test: Clinicians testify a reliable drilling ability of MIS XD at user evaluation.
- Hardness test: MIS XD meet the requirements of ISO 1797:2017.

XD PLACEMENT SET

MIS XD Drills provide a full drilling protocol in every implant package, eliminating the need for a surgical kit. For this reason, we've developed a smaller placement set that includes all the essential instruments needed during surgery: Marking drills, countersinks, insertion tools, and a surgical torque ratchet.

XD Placement Set

1. Marking drills
2. Insertion tools
3. Countersinks
4. Surgical torque ratchet

XD Organizer Tray

The XD Organizer Tray is designed to support the XD procedure by providing a convenient place to store the XD drills during surgery.

Please note that the organizer isn't included in the surgical kit and should be sterilized prior to surgery.

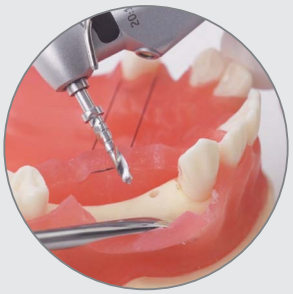
Pre Surgery Steps

1. Sterilize the XD Placement Set and Organizer Tray.

2. Open the implant package and place the implant's tube onto the organizer tray.

3. Open the XD pouches.

4. Arrange the drills on the organizer according to the drilling sequence, using the colored stickers on the pouch.

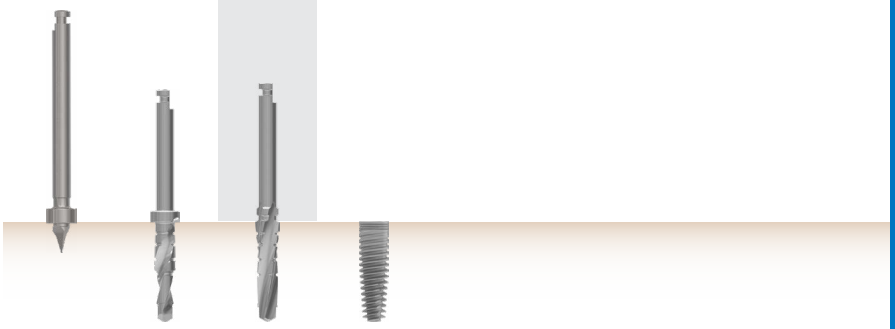


5. Ready for surgery!

Drilling Protocols

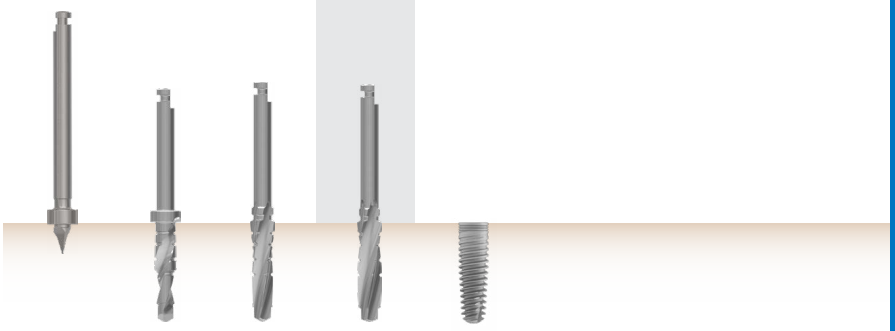
Ø3.30

Drilling Speed (RPM)	1200-1500	900-1200	Bone type 1 and 2 200-400	15-25
Diameter	Ø1.90	Ø2.40-2.80	Ø3.25	Ø3.30



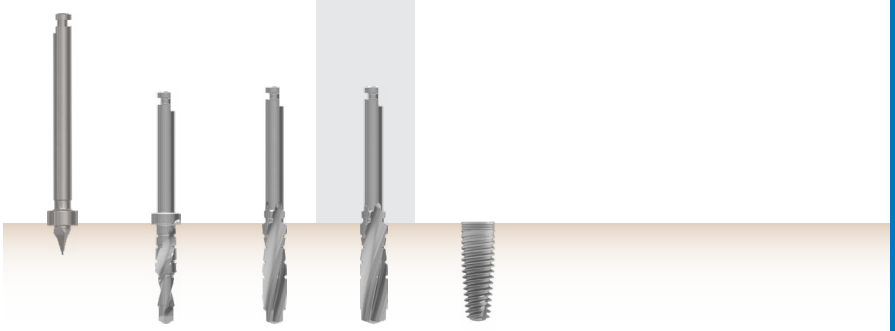
Ø3.75

Drilling Speed (RPM)	1200-1500	900-1200	200-400	Bone type 1 and 2 200-400	15-25
Diameter	Ø1.90	Ø2.40-2.80	Ø3.25	Ø3.65	Ø3.75



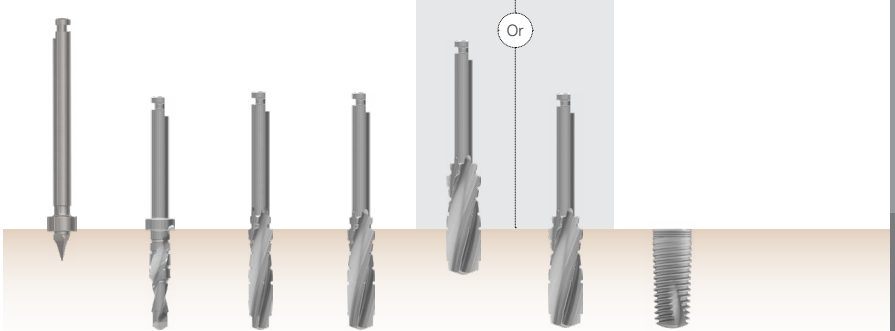
Ø4.20

Drilling Speed (RPM)	1200-1500	900-1200	200-400	Bone type 1 and 2 200-400	15-25
Diameter	Ø1.90	Ø2.40-2.80	Ø3.65	Ø4.10	Ø4.20



Ø5

Drilling Speed (RPM)	1200-1500	900-1200	200-400	200-400	Bone type 3 and 4 200-400	Bone type 1 and 2 200-400	15-25
Diameter	Ø1.90	Ø2.40-2.80	Ø3.65	Ø4.10	Ø4.9*	Ø4.9	Ø5



* When placing Ø5 implants in soft bone, the last drill should be drilled to the first depth indicator, which is 6mm deep. For 8mm length implants, the first depth marking is 4mm deep.

i

XD drilling sequence is identical for C1 and SEVEN implants.

The drilling sequence is illustrated using a 13mm C1 implant.

Do not use the last drill for bone types 3 and 4.

Procedures recommended by MIS cannot replace the judgment and professional experience of the surgeon.

MIS XD FAQS

Does the use of XD drills require a different drilling protocol compared to the current one?

The Ø3.30 and Ø3.75mm drilling protocols remain the same, while the Ø4.20 and Ø5mm drilling protocols have been simplified and require one less drill.

How can I easily follow the drilling sequence?

MIS XD drills are conveniently labeled with color-coded indicators of the drill diameters, ensuring a confident and accurate drilling sequence.

Which MIS implants include XD drills?

MIS C1 and SEVEN implants include XD drills in every implant package.

How should subcrestal implantation be performed with MIS XD?

The MIS XD pilot drill are designed with a built-in stopper.

When performing a subcrestal implantation, the 16mm pilot drill from the surgical kit, which doesn't include a stopper, can be used.

The MIS XD procedure drills have subcrestal markings for precise placement.

Can the MIS XD drills be reused when performing multiple implant placements?

It's important to note that the MIS XD drills are designed for single use to ensure optimal drilling protocol with new and sharp drills for each procedure.

MIS | MAKE IT SIMPLE

www.mis-implants.com