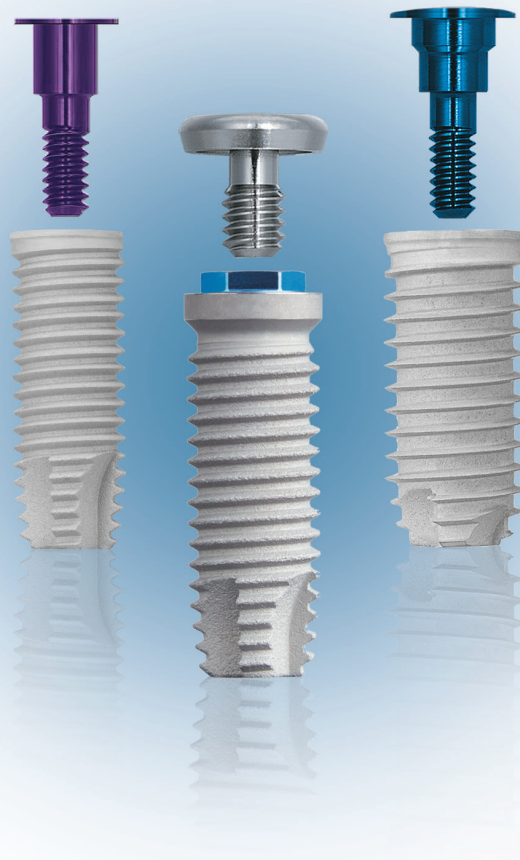


# Quick Reference Subcrestal Surgical Protocol

Certain<sup>®</sup> Internal & External Hex Connection Parallel Walled Implants



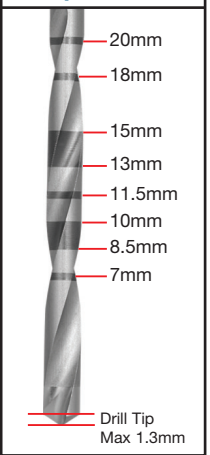
# Quick Reference Subcrestal Surgical Protocol

## Certain® Internal & External Hex Connection Parallel Walled Implants

### IMPORTANT CONSIDERATIONS:

- The recommended drill speed for drills 3.85mm diameter or smaller is 1200 – 1500rpm.
- The recommended drill speed for drills 4.25mm diameter or larger is 900rpm.
- The recommended implant placement speed is 15 – 20rpm.
- Use the drill motor / handpiece to start implant placement to ensure the implant tracks / goes into the osteotomy in the same direction as drilled.
- Verify that the drill is engaged/retained within the locking mechanism of the drill motor / handpiece, in order to prevent accidental swallowing or aspiration of the drill.
- Do not initiate implant placement with the hand ratchet as hand torquing could result in off-angle placement of the implant.
- Transition to the hand ratchet only when the implant cannot be fully seated with the handpiece.
- Apply finger pressure along the vertical axis of the ratchet driver tip and implant to ensure the driver tip does not back out of the implant's internal connection.
- When insertion torque exceeds 50Ncm, hand ratcheting is necessary in order to fully seat the implant.
- Final Twist Drill selection is based on clinician evaluation of bone quality.
- Certain Internal Connection Driver Tips should be inspected for wear before use.
- It is recommended that reusable drills be replaced after 15 uses.
- **Tapping is required for implant placement in dense bone (Type I) for parallel walled 5mm, 6mm, 5/4mm and 6/5mm diameter implants or when the insertion torque is more than 90Ncm.**

### ACT® Twist Drill Depth Marks



**IMPORTANT NOTE:** Exceeding insertion torque of more than 90Ncm may deform or strip the driver tip or the implant's internal hex and may possibly delay the surgical procedure.

D = Diameter  
L = Length

### Parallel Walled 3.25mm(D) Implants

3.25mm Dense Bone Tap MTAP1 Optional

Cover Screw IMMCS1

Cover Screw MMCS1

Pilot Drill PD100

**Final Drill For Soft Bone**

2.75mm Twist Drill Medium Bone

3mm Twist Drill Dense Bone

2mm Twist Drill

ACT Pointed Starter Drill ACTPSD or Round Drill RD100

3i T3 / OSSEOTITE<sup>2</sup>

OSSEOTITE / NanoTite™

3.25mm(D) x 11.5mm(L)

### Parallel Walled 3.75mm(D) Implants

3.75mm Dense Bone Tap TAP13 Optional

Cover Screw MMCS1

Pilot Drill PD100

**Final Drill For Soft Bone**

2.75mm Twist Drill Medium Bone

3mm Twist Drill Dense Bone

2mm Twist Drill

ACT Pointed Starter Drill ACTPSD or Round Drill RD100

Countersink Drill CD100

3i T3 / OSSEOTITE<sup>2</sup>

OSSEOTITE

3.75mm(D) x 11.5mm(L)

# Quick Reference Subcrestal Surgical Protocol (Cont'd)

## Certain® Internal & External Hex Connection Parallel Walled Implants

### Parallel Walled Platform Switched 4mm(D) x 3.4mm(P) & 4mm(D) Implants

D = Diameter  
P = Platform  
L = Length

2.75mm Twist Drill **Soft Bone**  
3mm Twist Drill **Medium Bone**  
3.25mm Twist Drill **Dense Bone**

4.1mm Countersink Drill ICD100  
4.1mm Twist Drill CD100

4mm Dense Bone Tap TAP413 **Optional**

Cover Screw IMCSF34  
Cover Screw ICSF41  
Cover Screw CS375

ACT® Pointed Starter Drill ACTPSD or Round Drill RD100

2mm Twist Drill  
Pilot Drill PD100

Certain Internal Connection  
External Connection

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4mm(D) x 3.4mm(P) x 11.5mm(L)  
4mm(D) x 11.5mm(L)

### Parallel Walled Platform Switched 5mm(D) x 4.1mm(P) & 5mm(D) Implants

5mm Countersink Drill CD500  
**Final Drill For Soft Bone**

3.85mm Twist Drill **Medium Bone**  
4.25mm Twist Drill **Dense Bone**

5mm 3i T3 & OSSEOTITE<sup>2</sup> Dense Bone Tap XTAP53S  
5mm OSSEOTITE Dense Bone Tap TAP53S

Cover Screw ICSF41  
Cover Screw ICSF50  
Cover Screw CS500

ACT Pointed Starter Drill ACTPSD or Round Drill RD100

2mm Twist Drill  
Pilot Drill PD100  
3.25mm Twist Drill

Certain Internal Connection  
External Connection

3i T3 / OSSEOTITE<sup>2</sup>  
OSSEOTITE / NanoTite

5mm(D) x 4.1mm(P) x 11.5mm(L)  
5mm(D) x 11.5mm(L)

**Required for use in dense bone**

### Parallel Walled Platform Switched 6mm(D) x 5mm(P) & 6mm(D) Implants

6mm Countersink Drill CD600  
**Final Drill For Soft Bone**

4.85mm Twist Drill **Medium Bone**  
5.25mm Twist Drill **Dense Bone**

6mm 3i T3 & OSSEOTITE<sup>2</sup> Dense Bone Tap XTAP63S  
6mm OSSEOTITE Dense Bone Tap TAP63S

Cover Screw ICSF50  
Cover Screw ICSF60  
Cover Screw CS600

ACT Pointed Starter Drill ACTPSD or Round Drill RD100

2mm Twist Drill  
Pilot Drill PD100  
3.25mm Twist Drill

5mm Countersink Drill CD500  
4.25mm Twist Drill

Certain Internal Connection  
External Connection

3i T3 / OSSEOTITE<sup>2</sup>  
OSSEOTITE / NanoTite

6mm(D) x 5mm(P) x 11.5mm(L)  
6mm(D) x 11.5mm(L)

**Required for use in dense bone**

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