

Cutting Guide



Standard Self Compressing Plate



Cortical Screw



Implants

Catalogue No.	Description
OST 2051-005	Small Self Compressing Plate, 5 Hole, Stainless Steel, 3mm Thick
OST 2051-007	Small Self Compressing Plate, 7 Hole, Stainless Steel, 3mm Thick
OST 1013-012	Cortical Screw, 3.5 x 12mm
OST 1013-014	Cortical Screw, 3.5 x 14mm
OST 1013-016	Cortical Screw, 3.5 x 16mm
OST 1013-018	Cortical Screw, 3.5 x 18mm
OST 1013-020	Cortical Screw, 3.5 x 20mm
OST 1013-022	Cortical Screw, 3.5 x 22mm
OST 1013-024	Cortical Screw, 3.5 x 24mm

Cutting Guides

Catalogue No.	Description
IPU-025	Stainless Steel Cutting Guide, 2.5mm
IPU-035	Stainless Steel Cutting Guide, 3.5mm
IPU-045	Stainless Steel Cutting Guide, 4.5mm
IPU-055	Stainless Steel Cutting Guide, 5.5mm

Instruments

Catalogue No.	Description
IP-025	Screwdriver, 2.5mm
503-004-262	Depth Guage 60mm
9074	Quick Release 3.5mm Cortical Tap
9092	Quick Release 'T' handle
IPU-1-7100	Sterilisation Tray
IPU-7200	Sterilisation Tray (vacuum formed)
IP-002	Drill Guide

Instrument Set

Catalogue No.	Description
IPU-System	I.P Ulna Cutting Guide System



OSTEOTEC

Ulna Shortening Guide™

Surgical Technique



- Simple instrumentation
- Straightforward operative technique
- Set of 4 guides allowing osteotomies of 2.5 - 5.5mm
- Designed to work with 'standard' 5 and 7 hole plates and screws

Indications

The operation of Ulna shortening involves the accurate removal of a segment of the Ulna. Use of the Intrinsic Plus® Ulna shortening guides assumes that the operator is familiar with AO fixation techniques.

For treatment of:

- Ulna Impaction Syndrome (UIS)
- Failed Arthroscopic Debridement of TFCC tears
- Early (dynamic) stages of traumatic Ulna Carpal Instability (UCI)



1 Preparation

Make an incision overlaying the Ulna approximately 20mm longer than the length of the chosen cutting guide.

Dissect the soft tissue until the deep fascia overlaying the Extensor Carpi Ulnaris tendon is incised.

The tendons and muscles of the Extensor and Carpi Ulnaris are now mobilised.

2 Attach the cutting guide

The cutting guide can now be positioned on the bone, deep to the tendons and muscle bellies of the Extensor and Flexor Carpi Ulnaris.

Using the drill guide and 2.5mm drill - drill, tap and place screws into the two outer holes. The depth gauge is used here to determine the appropriate screw length.

N.B. If standard Osteotec Stainless Steel plate & screws (provided) are being used for surgery, then you must deduct 2mm from the depth gauge reading for the correct length screw. This is to compensate for the thicker profile of the cutting guide.

Drill and tap the two inner holes *without* placing the screws.

Contraindications

No special contraindications exist, other than those associated with any orthopaedic surgery. Some of these would be:

- Physiologically or psychologically inadequate patient
- Inadequate skin, bone and / or neurovascular status
- Presence of infection



3 Start cutting

Using a 0.5mm saw blade, make a cut through the parallel slots in the cutting guide.

It will only be possible to cut through approximately 3/4 of the bone at this stage.

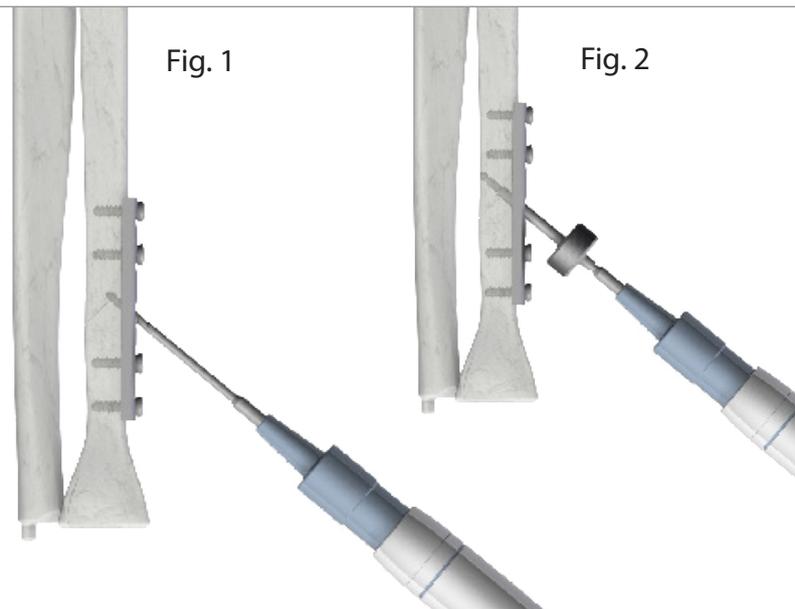
Ensure adequate irrigation is used to reduce any possible bone necrosis.

4 Finish cutting

Remove the cutting guide and complete the osteotomy.

Remove the bone fragment and smooth any residual spurs if necessary.

Reduce the osteotomy manually whilst ensuring the correct alignment of both bone sections.



5 Attach the plate

Ensure the correct orientation when positioning the plate to allow for alignment of the interfragmentary screw. Insert the two outer screws into the plate. Use the depth gauge to determine the appropriate screw size for the two inner holes, then insert the screws.

The kit is designed to be used with a standard 5 or 7 hole plate, as provided by Osteotec. However, a low profile titanium plate and appropriate screws may be used if desired.

Tighten the screws enough to hold the bone fragments together in the correct position but do not fully tighten them.

6 Interfragmentary screw and closing

Drill the proximal cortex at right angles to the osteotomy using the 3.5mm drill (Figure 1), then insert the long end of the guide and drill through the distal cortex with a 2.5mm drill (Figure 2).

Tap and insert the interfragmentary screw, then tighten.

Tighten the 4 compression screws and then re-check all 5 to ensure full compression is applied.

Close the wound in the usual manner.