

[ti]win

RADIO DISTAL ÁNGULO VARIABLE



GREAT BECAUSE IT'S SO EASY

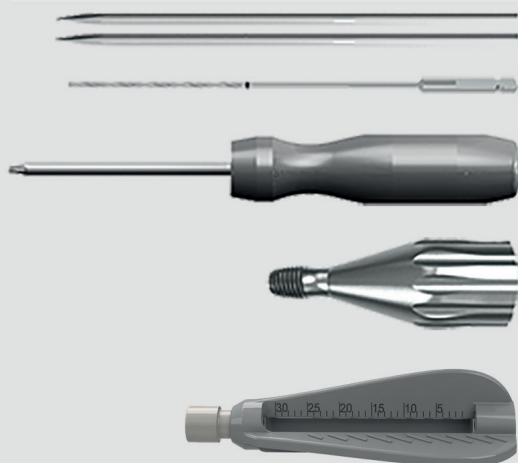
Congratulations - you are using the innovative [ti] win single use implant system.

Please note:

Each implant comes in its own sterile packaging and features stickers for patient documentation. Open and remove from the kit only the implants intended for the operation. Unpacked and contaminated implants may not be returned. The instruments must be disposed of properly after surgery.

If necessary, we can provide you with special disposal containers. All kits are intended only for a single operation. You only need the enclosed single use instruments kit when polyaxial screws are used. Use the separately packaged monoaxial single use screw-in drill sleeve for treatments with monoaxial screws.

[ti] win single use instrument kit 200-7100-025H-S



Kirschner wire with trocar point, round end, 1.6 mm/150 mm (2 pcs.)

Drill bit 1.9 mm, with AO connection

Screwdriver TORX 7

Drilling guide inside \varnothing 1.9 mm polyaxial

HYBRID drill sleeve ID 1.9 mm

Individually sterile packed single use instruments

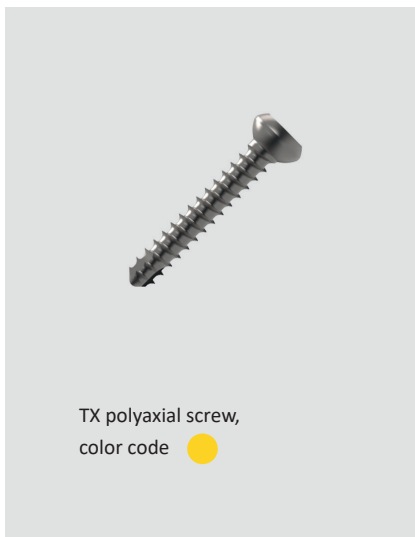
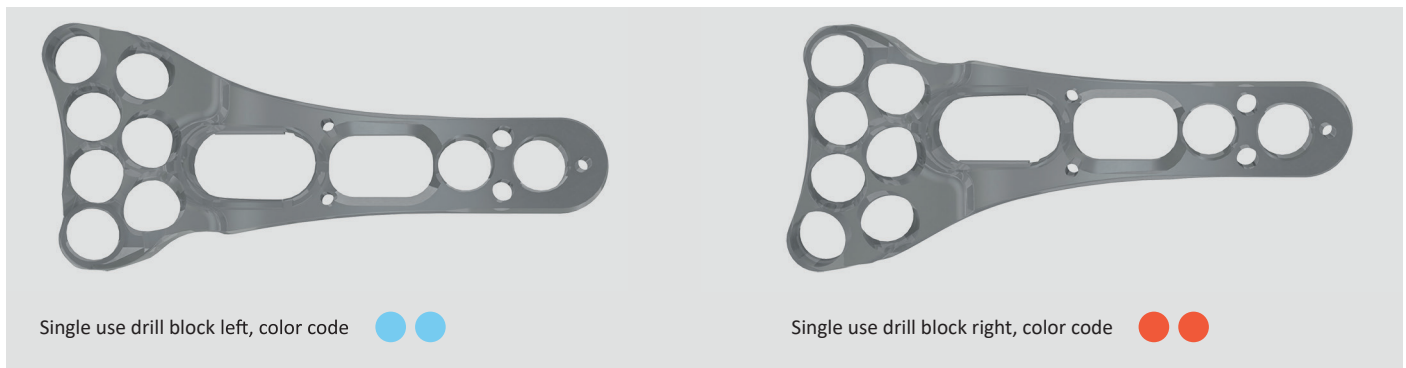
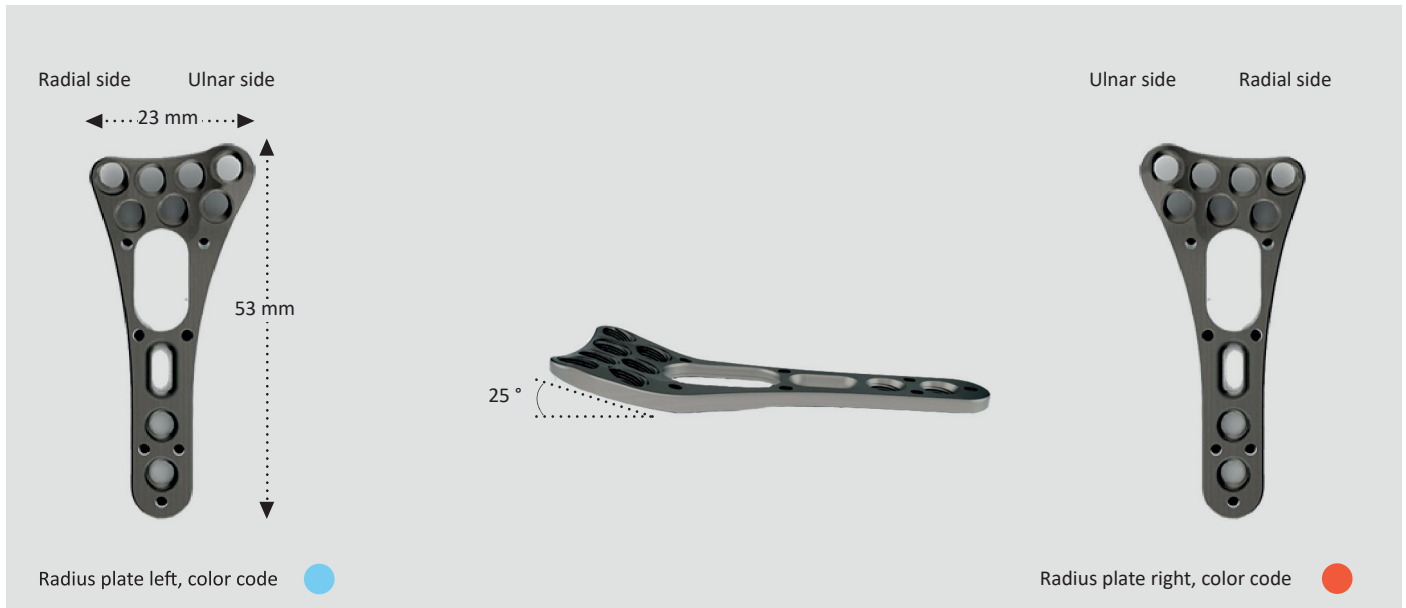


150-7100-019H-S Screw-in drill sleeve ID 1.9 mm
Color code ●

EDG5B Digital measuring gauge

[ti] win DISTAL RADIUS PLATE

Perfect design and 100% Made in Germany.



Fast and safe implanting

Indication

The 2.7 mm distal radius system is indicated for the treatment of intra- and extra-articular fractures and osteotomies of the distal radius.

Preparation

Make an approx. 5 cm long longitudinal incision radial to the tendon of the flexor carpi radialis (FCR). Incise forearm fascia between FCR and vascular bundle of nerves. Go to the pronator quadratus. Make an L-shaped incision on the fascia of the pronator quadratus and push the muscle from the distal radius towards the ulna. Then set the fracture.

Selecting the plate

Please note the correct side when selecting the plate. Check packaging and labeling on the plate to ensure that the plate is for the correct side („R“ for right and „L“ for left). The distal lip on the ulnar side of the plate is always the prominent one.

Positioning the plate

After the reduction of the fracture, place the plate on the volar radius surface and temporarily affix plate by threading the 1.6 mm Kirschner wires through the Kirschner wire holes in the plate.

If the drill guide is to be used, first select the drill guide that matches the plate and then connect it with the plate by snapping it into the „plate window.“ The temporary plate fixation with Kirschner wires can be done with a mounted drill guide as well. Check the correct positioning of the plate by means of an X-ray. Drill a screw hole in the plate shaft through the oblong hole with the aid of the 1.9 mm drill sleeve using a 1.9 mm drill. Determine the depth of the screw hole, insert the corresponding 2.7 mm cortical bone TX screw and tighten. If necessary, adjust the position of the plate before final tightening.

Insertion of the screws

Drill additional screw holes for the 2.7 mm head locking screws (PTXL) using the 1.9 mm drill. Always start with the most proximal screw hole. The drill must be used always with a drill sleeve to counteract any direct contact with the surrounding tissue, to prevent damage to the plate hole, and to ensure the correct alignment of the screw hole. To do so, use the methods described in paragraphs a., b. and c. (on page 7)

[ti] win more than just plates and screws



a. Polyaxial drill sleeve

All plate holes with the exception of the oblong hole, can be used with polyaxial head locking screws (PTXL). To drill a screw hole at a variable taper angle up to 15°, the polyaxial 1.9 mm drill sleeve must be inserted into the respective plate hole to drill the desired screw hole with the 1.9 mm drill.

b. Monoaxial drill sleeve

Use the 1.9 mm screw-in drill sleeve and the 1.9 mm drill to drill a screw hole with the predefined angle. To do this, insert the 1.9 mm screw-in drill sleeve into the respective plate hole and drill a screw hole at the predefined angle with the 1.9 mm drill.

c. Drill guide

Using the drill guide makes it possible to screw holes with the predefined angle. To do this, insert the 1.9 mm drill sleeve into the respective hole in the drill guide and drill the screw hole with the 1.9 mm spiral drill. In addition, the drill guide offers the possibility to drill the distal screw hole on the radial side at a variable taper angle up to 15°. To do this, insert the monoaxial drill sleeve at the desired angle into the radial hole of the drill guide and drill the screw hole with the 1.9 mm drill.

After drilling, remove the drill guide and determine the screw length with the help of the screw gage. Insert the corresponding 2.7 mm cortical bone PTXL screws and tighten (screws can be inserted through the drill guide as well). Repeat the described steps until the fracture is sufficiently stabilized. If the drill guide was used, remove it now.

X-ray check

Take an X-ray to check the correct fracture stabilization, plate position, screw lengths, and angle. To ensure that the distal screws do not penetrate the joint, a SkyView X-ray is recommended in addition.

Option with polyaxial drilling guide inside Ø 1.9 mm



Option with screw-in drill sleeve ID 1.9 mm



Option with drill block and HYBRID drill sleeve ID 1.9 mm



Digital measuring gauge

Guaranteed clear and simple

Step 1

Check the instrument before each measurement. Switch on the measuring gauge by pressing the switch (A).

Step 2

Place the tip of the measuring instrument on the drill hole/plate hole. Please do not push the hook probe (D) out yet.

Step 3

Push the slider (B) forward in order to guide the hook probe into the drill hole.

Step 4

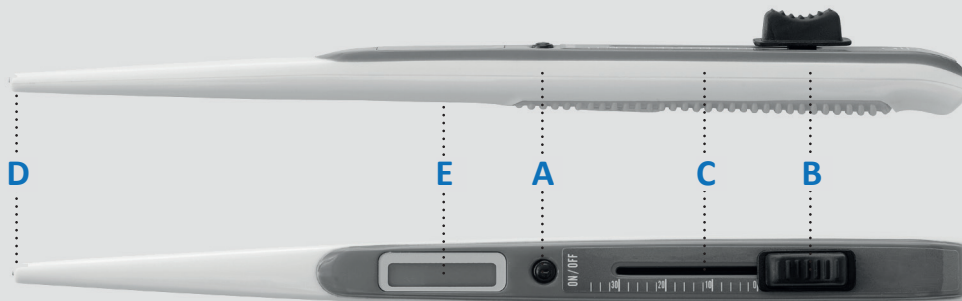
Push the hook probe continuously through the drill hole until you reach the other side through the cortical bone. Hook the probe behind the opposite cortical bone and ensure that the tip of the measuring gauge sits securely on the hole.

Step 5

The length of the screw needed can now be determined via the digital display (E) or via the scale (C).

Step 6

After the measurement, push the slider back to the “zero” position to use the instrument for another measurement.





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