Features and benefits

- Dedicated for redirecting the growth of long bones in growing children
- Color coded plates and screws
- Sterile and non-sterile implants
- eight-Plate (for two screws placement) and quad-Plate (for four screws placement)
- Unique screw hole design for a screw angulation up to 60 degrees

3.1. poz. Aštuoniukės tipo plokštelė, skirta ilgųjų kaulų augimo linijos stabdymui

3.5. poz.

3.3.1. poz. Aštuoniukės tipo plokštelė, fiksuojama dvejais sraigtais

Benefits to Surgeons

- Plates sizes: 12, 16 and 20mm
- Cannulated and solid screw options
- Titanium alloy implants
- Optimized and lean instrumentation
- Central “dome” designed to aid application and removal across the growth plate

3.2. poz.

3.3.2. poz. Plokštelė pagaminta iš titano lydinio, Plokštelės centre - viena anga, skirta nukreipiklio fiksacijai

Benefits to Patients

- Minimally invasive
- Early weight bearing as tolerated by the patient and under surgeon discretion
- Titanium alloy implants to avoid allergic reaction to nickel
- Low profile plates

E. Guided Growth System (Plus)

1

2

3

4

5

3.3.1. poz.

1
T80212 Guided Growth Plate System Plus TI eight-Plate L 12mm

2
T80216 Guided Growth Plate System Plus TI eight-Plate L 16mm

3
T80220 Guided Growth Plate System Plus TI eight-Plate L 20mm

4
T80416 Guided Growth Plate System Plus TI quad-Plate L 16mm

5
T80422 Guided Growth Plate System Plus TI quad-Plate L 22mm

Note: All the Plates are also available packaged sterile. They can be ordered using the above code numbers preceded by 99- (e.g. 99-T80212).

See Operative Technique EP-1701-OPT "Guided Growth System Plus"

CE 0123

Manufactured by:
ORTHOFIX Srl
Via Delle Nazioni 9, 37012 Bussolengo (Verona), Italy
Telephone +39 045 6719000, Fax +39 045 6719380

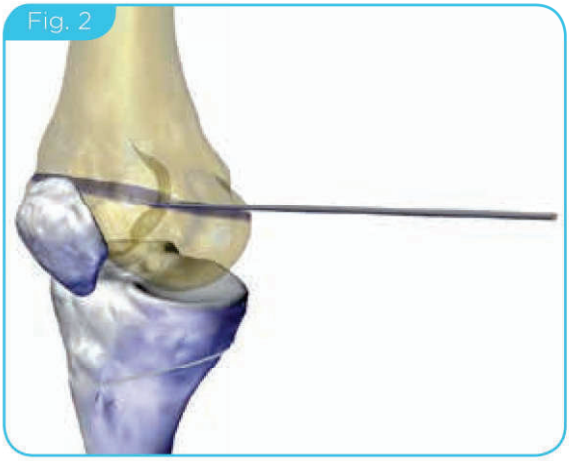
IF-E-Eight-PlatePLUS-E0 B 06/18

Plate positioning

Localize again the physis using the first 1,6mm guide wire (Cod. GP540CE) under image intensifier. Gently insert the guide wire in the physis with a power drill **(Fig. 2)**.

To preserve the growth plate as much as possible, the guide wire should be inserted just enough to ensure its stability in the physis (usually no more than 1 cm in depth). After insertion, ensure the correct positioning of the localizing guide wire with fluoroscope.

Fig. 2



Localizing guide wire insertion

For each patient and application, select the appropriate plate size (12mm, 16mm or 20mm) spanning the growth plate. Inappropriately sized plates, which allow the placement of a screw into the physis or the joint, must be avoided.

Using the plate holder forceps (Cod. DH0464CE), slide the selected plate over the localizing guide wire down to the bone, and place the plate as much orthogonal as possible to the exposed physis **(Fig. 3)**.

3.3.2. poz. Plokštelės centre - viena anga, skirta nukreipiklio fiksacijai

Fig. 3

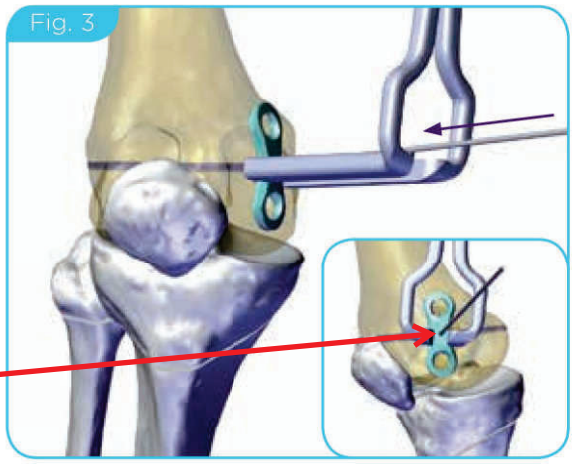


Plate placement

PRECAUTION: Before inserting the screws, ensure the plate is flush to the bone. If the plate is not adherent, bone growth may exert an additional stress onto the implants potentially leading to screws breakage.

Depending on patient's anatomy, using the plate bender (Cod. 180015) could be necessary to gently get the plate to fit onto the bone **(Fig. 4)**.

WARNING: The plates already have a 10 degrees bending and may be bent an additional 10 degrees for more severe anatomical bone contours. Bending beyond 20 degrees offset could result in injury or reoperation due to breakage.

Fig. 4

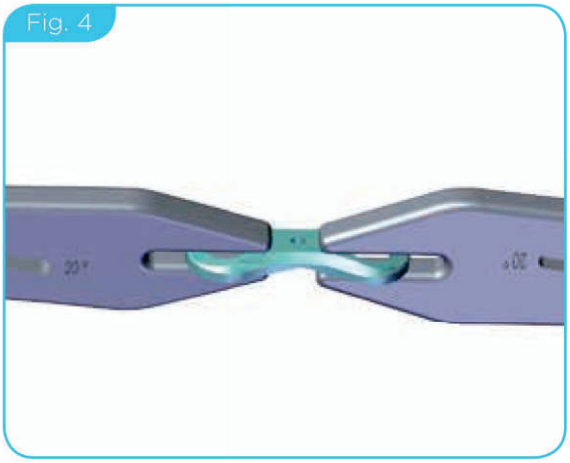


Plate bending (optional)

1. Screws

1

Guided Growth Plate System Plus TI Solid Screw Ø3.5	
Length (mm)	**Code**
12	T80312
14	T80314
16	T80316

3.4.3. poz. 3,5 mm titaniniai sraigtai

2

Guided Growth Plate System Plus TI Solid Screw Ø4.5	
Length (mm)	**Code**
24	T80024
32	T80032
36	T80036

3.4.2. poz. 4,5 mm titaniniai sraigtai

2

Guided Growth Plate System Plus TI Cannulated Screw Ø4.5	
Length (mm)	**Code**
16	T80116
24	T80124
32	T80132
36	T80136

3.4.1. poz. 4,5 mm titaniniai kaniuliuoti sraigtai

1
Ø3.5 Solid Screw eight-Plate Plus Color Coded - Yellow

2
Ø4.5 Solid Screw eight-Plate Plus Color Coded - Blue

3
Ø4.5 Cannulated Screw eight-Plate Plus Color Coded - Green

Note: All the Screws are also available packaged sterile. They can be ordered using the above code numbers preceded by 99- (e.g. 99-T80312).