

YDFIX Fibula Plate



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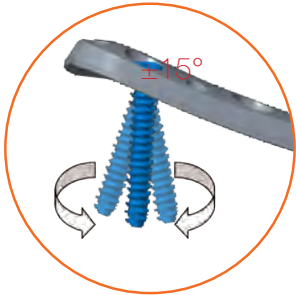
Canakkale University

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Ydfix polyaxial plating system has a new member for the distal fibular fractures. The plate accepts both 2,7 and 3,5 mm Ydfix screws allowing polyaxial locking on the head and on the tail of the plate as well. YFI (Ydfix Fibula) plates ensure the same high quality precision instrument set resulting in safety and good healing tendencies as all the other Ydfix systems.

1.1 | The implant

- Polyaxial angle stabilized system in step - free ± 15 deg angulation of insertion



- Polyaxial holes on the stem
- Minimally invasive technique supporting system
- Bending facilitating holes – no screw hole deformation
- Color coded Torx screws



1.2 | The instruments

- Capable of drilling in preset and ± 15 deg directions step – free
- Double and dynamic drill sleeves for multifunctional locking
- Easy-to-use bending tools
- Instruments and implants in one tray
- Optimized instruments
- Color coded torque limiting screwdriver

1.3 | Indications

- For distal fractures of fibula

2.1 | Ydfix Fibula plate



Holes on stem	Side
3	right/left
4	right/left
5	right/left
6	right/left
8	right/left

Raw material
Anodized Titanium
Color
grey

2.2 | Ydfix screw Ø 2,7 mm



Length (mm)
8-14
Raw material
Anodized Titanium
Color
blue

2.3 | Ydfix screw Ø 3,5 mm



Length (mm)
10-22
Raw material
Anodized Titanium
Color
green

2.4 | Cortical screw - TX Ø 2,7 mm



Length (mm)
8-14
Raw material
Anodized Titanium
Color
grey

2.5 | Cortical screw - TX Ø 3,5 mm



Length (mm)
10-22
Raw material
Anodized Titanium
Color
grey

3 | Surgical description

3.1 | Patient positioning

In supine position on translucent surgical table.
Allow the foot to be in a neutral position.

3.2 | Incision

Straight lateral approach over the fibula.

3.3 | Temporary fixation

Reduce the fracture and use 2 mm Kirschner wires for temporary fixation.

3.4 | Plate selection

Choose the most appropriate plate size according to the nature of the fracture. If needed, modellate the plates with the bending tools supplied in the instrument tray.

Attention!

Avoid the extensive and the multiple to-and-back bending of the plate.

There are bending facilitating holes on the plates which make the bending of the plate possible without the screw hole deformation. Drive the bending tools fully in the respective holes and always use two neighbouring holes.



3.5 | Plate positioning

Place the plate to its position and fix it temporarily with 2 mm Kirschner wires.



3.6 | Screw insertion

The YFI plate fixes with 2,7 mm polyaxial screws on the head while on the tail with 3,5 mm polyaxial screws.

3.7 | Screw insertion on the head

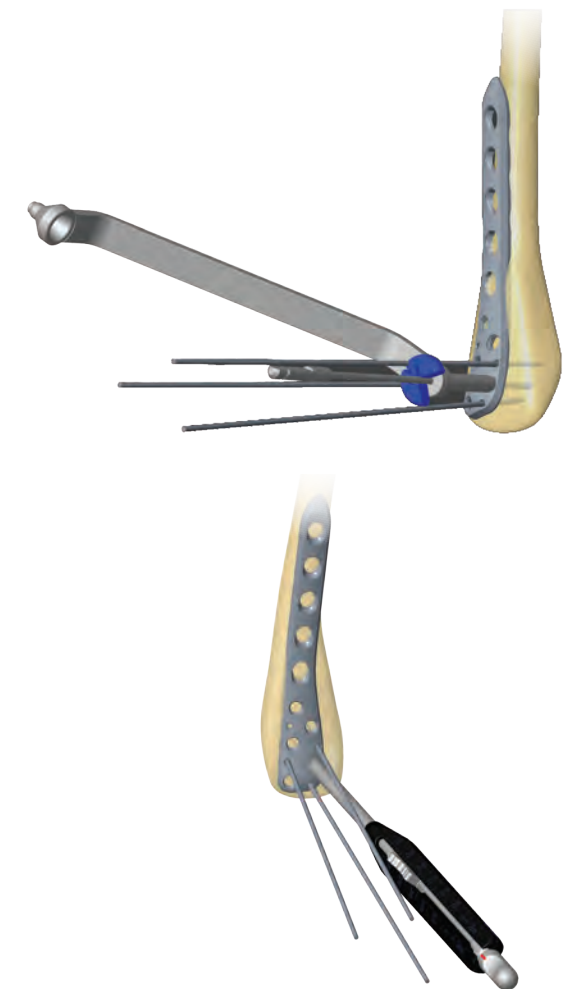
First insert 2,7 mm polyaxial screws into the holes of the head of the plate. This can be performed mono- or polyaxially.

3.7.1 | Monoaxial screw insertion (2,7 mm screws)

Place the straight part of the 2,0 mm double drill sleeve into the appropriate hole and perform drilling with 2,0 mm drillbit through that.

Determine necessary screw length with a length gauge.

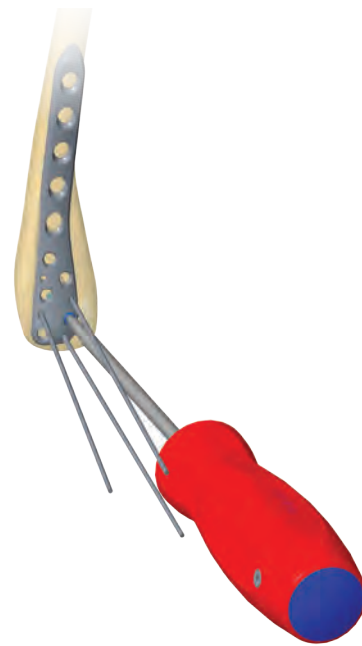
Alternative depth gauging method:
Use the blue drill stop placed on the drillbit before drilling, just above the spiral part.



3 | Surgical description

Drill through the 2.0 mm sleeve. Below the stop the necessary value can be read.

Drive the 2,7 mm polyaxial screws in with the T9 screwdriver. The final tightening of the screw is always performed with the red handle and blue cap torque screwdriver.



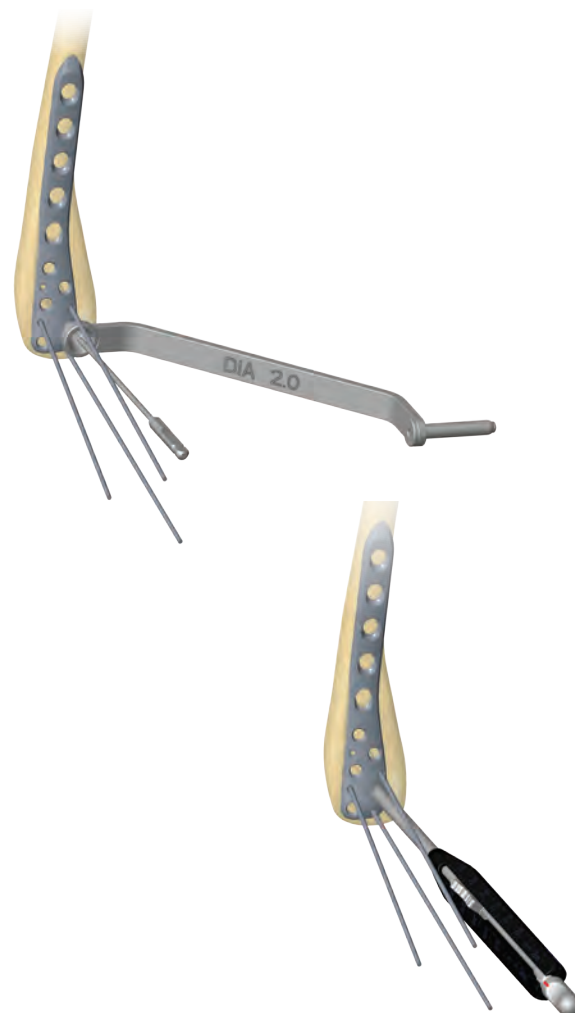
3.7.2 | Polyaxial screw insertion (2,7 mm screws)

Fit the end of the conical part of the 2,0 mm double drill sleeve into the hole of the plate. There is a ± 15 degree freedom with reference to this position. Perform drilling with the 2,0 mm drillbit in the optimal direction under image intensifier control.

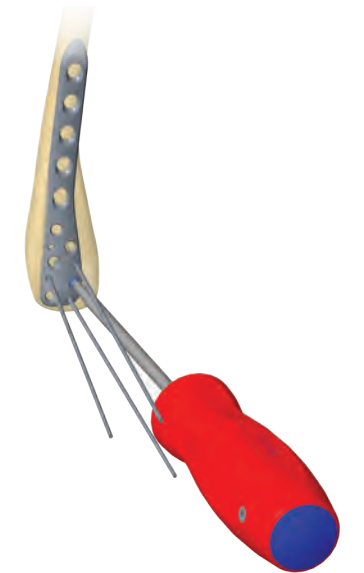
Perform length gauging by the gauge.

Attention!

Note that the drillbit and drillstop cannot be used for depth gauging when using the conical side of the double sleeve.



Drive the 2,7 mm polyaxial screws in with the T9 screwdriver. The final tightening of the screw is always performed with the red handle and blue cap torque screwdriver.



3.8 | Screw insertion on the tail

On the tail mono- or polyaxial locking can be applied. Generally monoaxial technique is recommended.

3.8.1 | Monoaxial screw insertion (3,5 mm screws)

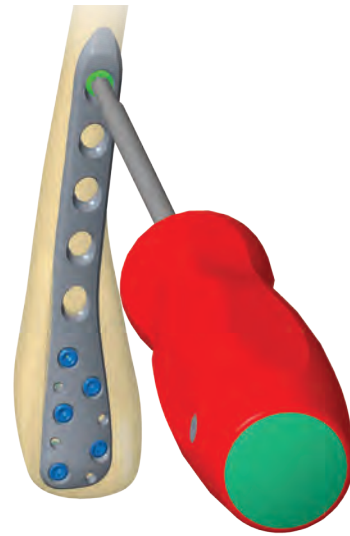
Place the straight part of the 2,8 mm double drill sleeve into the hole of the plate and perform drilling through that with the 2,8 mm drillbit. Measure screw length.

Use either the gauge or the green drill stop placed on the drillbit before drilling, just above the spiral part. Drill through the 2,8 mm sleeve. Below the stop the necessary value can be read.



3 | Surgical description

Drive the screw in with T15 screwdriver. For the final tightening of the locking screws always use red handle and green cap torque screwdriver.



3.9 | Closing of the wound

After image intensifier control close the wound in the usual fashion.



4.1 | Ydfix Fibula plate



Cat no	Size
3003402003	Left/3H
3003402004	Left/4H
3003402005	Left/5H
3003402006	Left/6H
3003402008	Left/8H
3003401003	Right/3H
3003401004	Right/4H
3003401005	Right/5H
3003401006	Right/6H
3003401008	Right/8H

4.2 | Ydfix screw Ø 2,7 mm



Cat no	Size (mm)
1017427008	8
1017427010	10
1017427012	12
1017427014	14

4.3 | Ydfix screw Ø 3,5 mm



Cat no	Size (mm)
1017435010	10
1017435012	12
1017435014	14
1017435016	16
1017435018	18
1017435020	20
1017435022	22

4.4 | Cortical screw - TX Ø 2,7 mm



Cat. no	Size (mm)
1032427008	8
1032427010	10
1032427012	12
1032427014	14

4.5 | Cortical screw - TX Ø 3,5 mm



Cat. no	Size (mm)
1032435010	10
1032435012	12
1032435014	14
1032435016	16
1032435018	18
1032435020	20
1032435022	22



5 | Instrument list

5.1 | Instruments



Screwdriver (T9)	1 pc	 5210720009
Screwdriver (T15)	1 pc	 5210720015
Torque screwdriver (T9 / 1 Nm)	1 pc	 5210510036
Torque screwdriver (T15 / 15 Nm)	1 pc	 5210510044
Drillbit (2x125 mm)	1 pc	 5280114903
Drillbit (2,8x135 mm)	1 pc	 5280122905
Double drill sleeve - PAS (2 mm)	1 pc	 5280114902

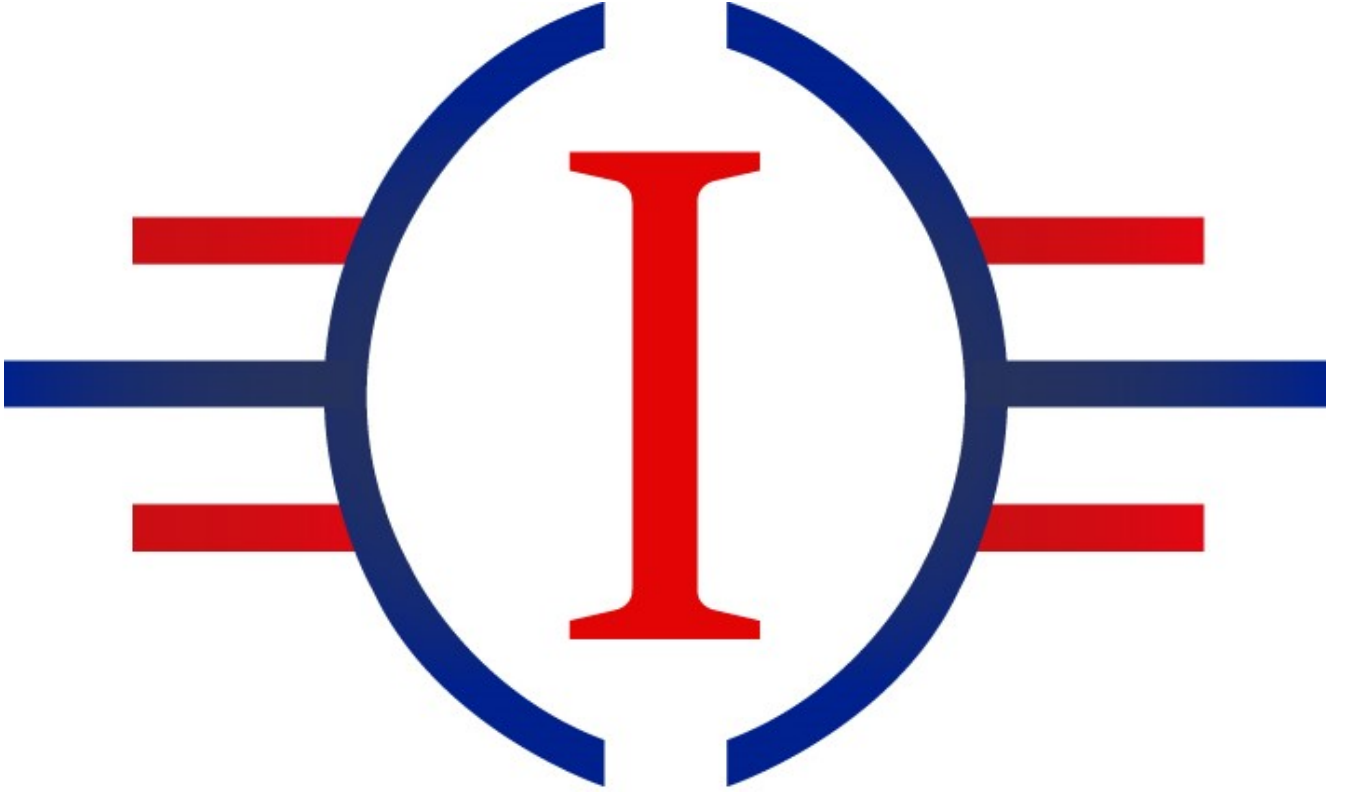
Double drill sleeve - PAS (2,8 mm)	1 pc	 5280114903
Double drill sleeve - V (Small)	1 pc	 5275212902
Kirschner wire (2x150 mm)	5 pcs	 5937520150
Screw forceps (2,8 mm)	1 pc	 5939999002
Drill stop (blue) (2 mm)	2 pcs	 5210510222
Drill stop (green) (2,8 mm)	2 pcs	 5210510227
Depth gauge (2,7-3,5 mm)	1 pc	 5280114905

5 | Instrument list

Plate bender (4 mm)	2 pcs	 5280114901
Plate bender - V (6 mm)	2 pcs	 5280122914

Optional instruments

Torque screwdriver (T15 1,5 Nm)	 5210510037
Torque screwdriver (T9 1 Nm)	 5210510047



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