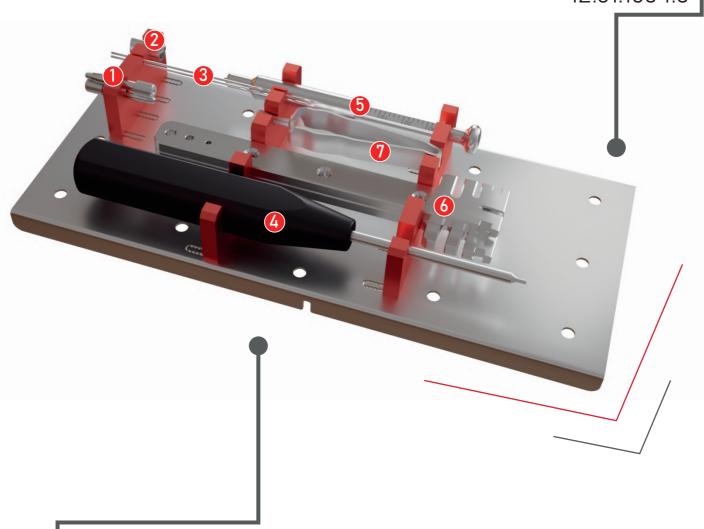


Locking plates SYSTEM 1,5

Sterilization tray for instruments IZ.01.1004.3



1. Drill sleeve Ø1,1 for locking screws x2

2. Drill sleeve Ø1,1 for compression screws

3. Drill bit Ø1,1x90

4. Screwdriver HEX 1,3

5. Depth gauge

6. Universal bending iron x2

7. Tweezers for screws

IN.02.1001.1115

IN.02.1002.11

CD.1.1.90

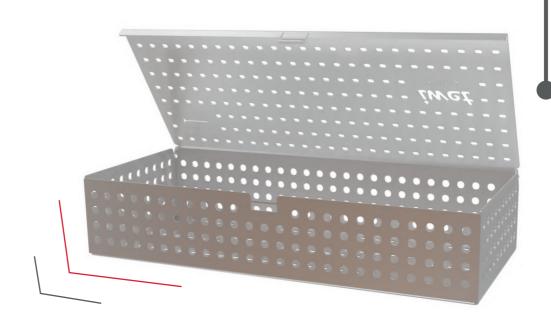
IN.01.1000.17.13

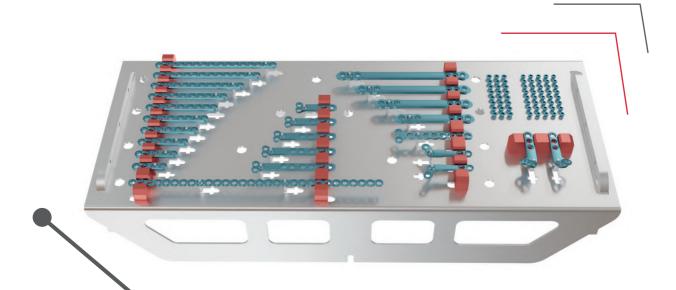
MG.01.04

IN.01.1000.32

IN.01.1000.18

Sterilization container IZ.01.1004.1

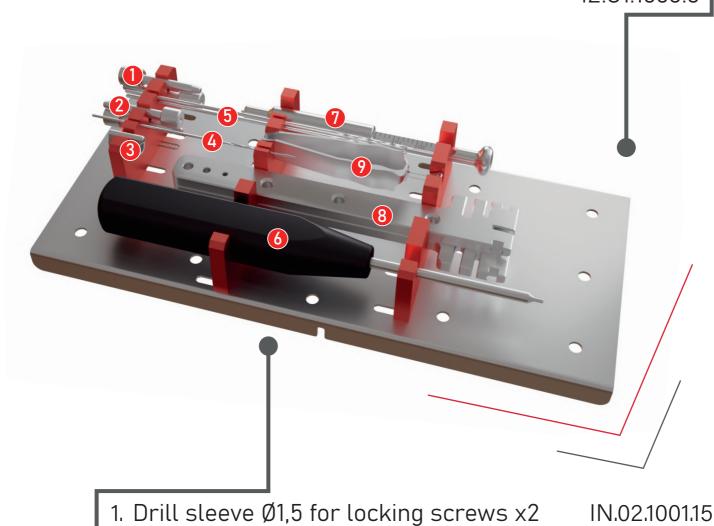




Sterilization tray for plates SYSTEM 1,5 IZ.01.1004.4

Locking plates SYSTEM 2,0

Sterilization tray for instruments IZ.01.1003.3



2. Drill sleeve Ø1,1 for Ø1,5 locking screws IN.02.1001.11 3. Drill sleeve Ø1,5 for compression screws IN.02.1002.15 CD.1.1.90

4. Drill bit Ø1,1x90

5. Drill bit Ø1,5x100 CD1.5.100

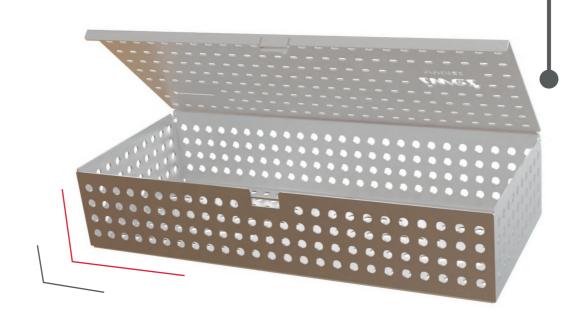
6. Screwdriver HEX 1,5 IN.01.1000.17.15

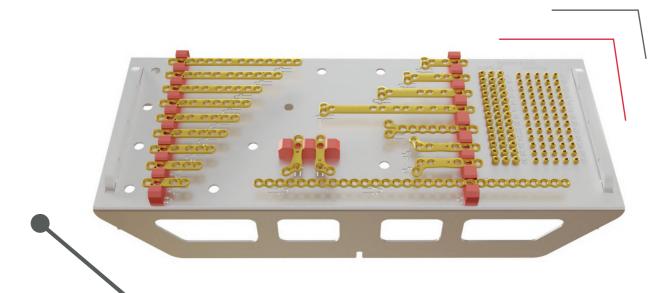
7. Depth gauge MG.01.04

8. Universal bending iron x2 IN.01.1000.32

9. Tweezers for screws IN.01.1000.18

Sterilization container IZ.01.1003.1

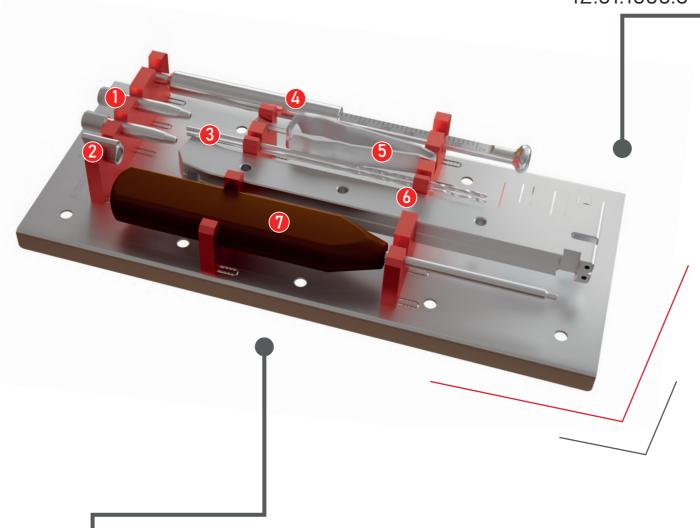




Sterilization tray for plates SYSTEM 2,0 IZ.01.1003.4

Locking plates SYSTEM 2,4

Sterilization tray for instruments IZ.01.1000.3



1. Drill sleeve Ø1,8 for locking screws x2 IN.02.1001.18

2. Drill sleeve Ø1,8 for compression screws IN.02.1002.18

3. Drill bit Ø1,8x115

CD.1.8.115

4. Depth Gauge

MG.01.05

5. Tweezers for screws

IN.01.1000.18

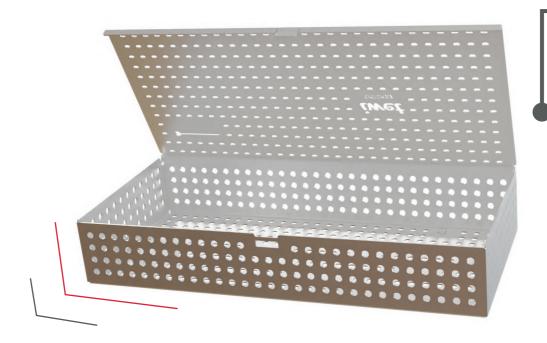
6. Universal bending iron x2

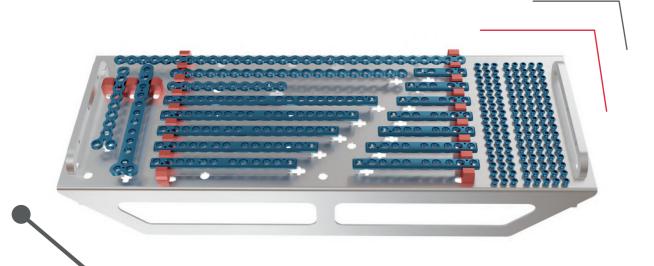
IN.01.1000.33

7. Screwdriver HEX 2,0

IN.01.1000.17.20

Sterilization container IZ.01.1000.1

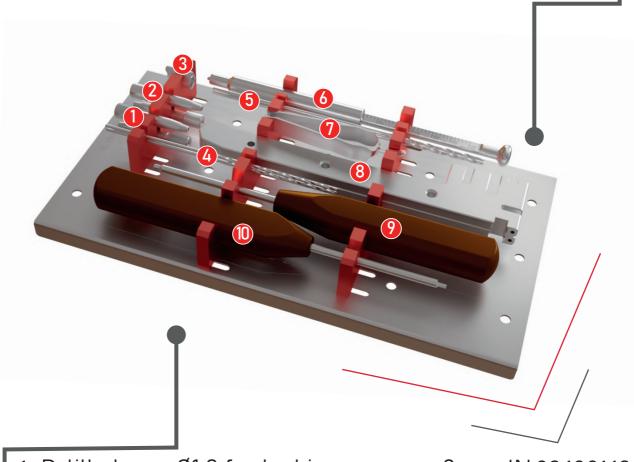




Sterilization tray for plates SYSTEM 2,4 IZ.01.1000.4

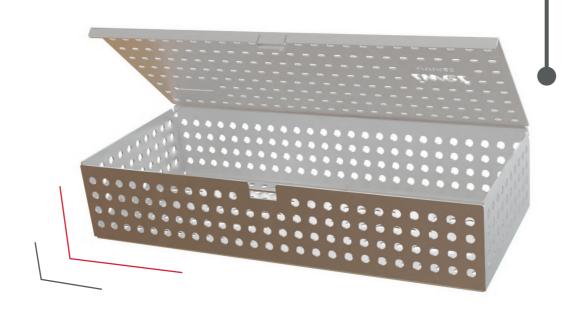
Locking plates SYSTEM 2,7

Sterilization tray for instruments IZ.01.1001.3



1. Drlill sleeve Ø1,8 for locking screws x2	IN.02.1001.18
2. Drill sleeve Ø2,0 for locking screws x2	IN.02.1001.20
3. Drill sleeve Ø2,0 for compression screws	IN.02.1002.20
4. Drill bit Ø1,8x115	CD.1.8.115
5. Drill bit Ø2,0x150	CD.2.0.150
6. Depth gauge	MG.01.05
7. Tweezers for screws	IN.01.1000.18
8. Universal bending iron x2	IN.01.1000.33
9. Screwdriver HEX 2,5	IN.01.1000.17.25
10. Screwdriver HEX 2 0	IN.01100017.20

Sterilization container IZ.01.1001.1

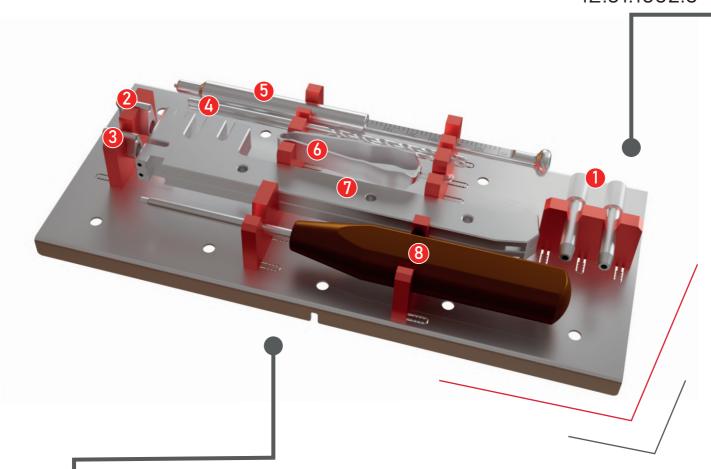




Sterilization tray for plates SYSTEM 2,7 IZ.01.1001.4

Locking plates SYSTEM 3,5

Sterilization tray for instruments IZ.01.1002.3



1. Drill sleeve Ø2,5 for locking screws x2 IN.02.1001.25

2. Drill sleeve Ø2,5 for compression screw IN.02.1002.25108 (10,8mm hole spacing plates)

3. Drill sleeve Ø2,5 for compression screw IN.02.1002.2568 (6,8mm hole spacing plates)

4. Drill bit Ø2,5x150 CD.2.5.150

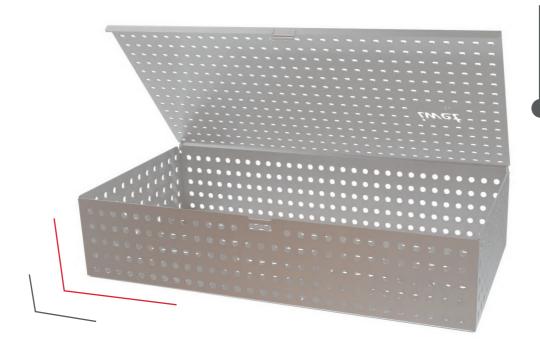
5. Depth gauge MG.01.05

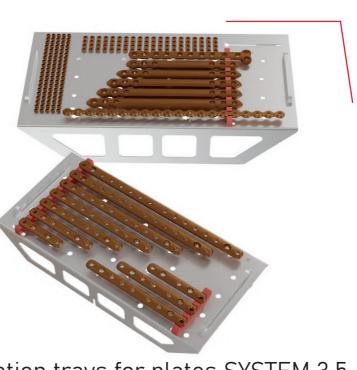
6. Tweezers for screws IN.01.1000.18

7. Universal bending iron x2 IN.01.1000.33

8. Screwdriver HEX 2,5 IN.01.1000.17.25

Sterilization container IZ.01.1002.1

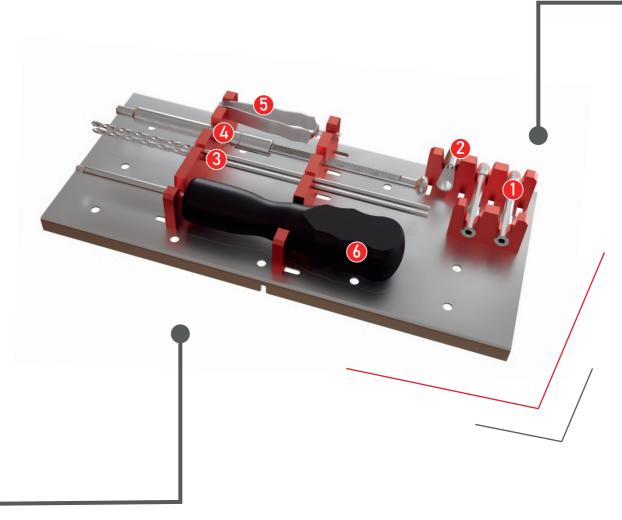




Sterilization trays for plates SYSTEM 3,5 IZ.01.1002.2 IZ.01.1002.4

Locking plates SYSTEM 4,5

Sterilization tray for instruments IZ.01.1005.4



1. Drill Sleeve Ø3,2 for locking screws x2 IN.02.1001.32

2. Drill Sleeve Ø3,2 for compression screws IN.02.1002.32

3. Drill bit Ø3,2x200

CD.3.2.200

4. Depth gauge

MG.01.06

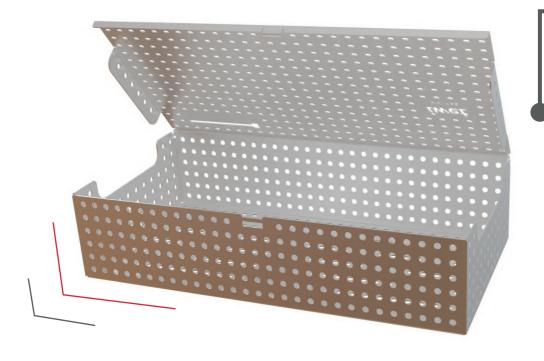
5. Tweezers for screws

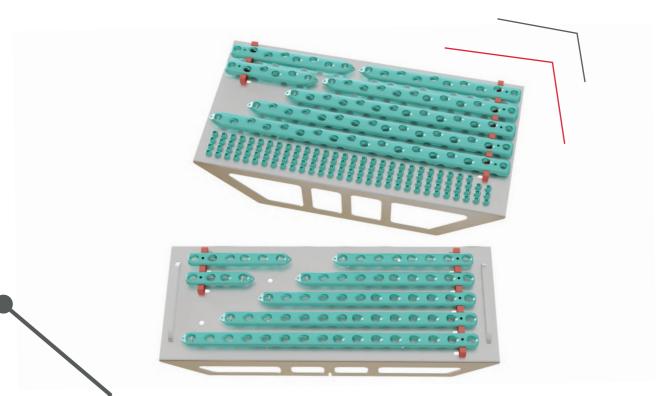
IN.01.1000.18

6. Screwdriver HEX 3,5

IN.01T.1000.17.35

Sterilization container IZ.01.1005.1





Sterilization trays for plates SYSTEM 4,5 IZ.01.1005.2 IZ.01.1005.3

Locking plates are used for bone osteosynthesis, reconstruction of broken bones, they can also be used for corrective orthopedic procedures, including TPO, TPLO / CBLO or corrective osteotomy.

Locking plates SYSTEM 1,5 are intended mainly for treatment of long bone fractures in very small animals up to 4 kg, metacarpal or metatarsal fractures in animals from 4 to 10 kg, fractures of the mandible / jaw in animals up to 10 kg and fractures of ulna in animals up to 7kg.

Locking plates SYSTEM 2,0 are intended mainly for treatment of long bone fractures in small animals up to 7 kg, fractures of the scapula in animals from 4 to 11 kg and fractures of the mandible / jaw in animals up to about 22 kg.

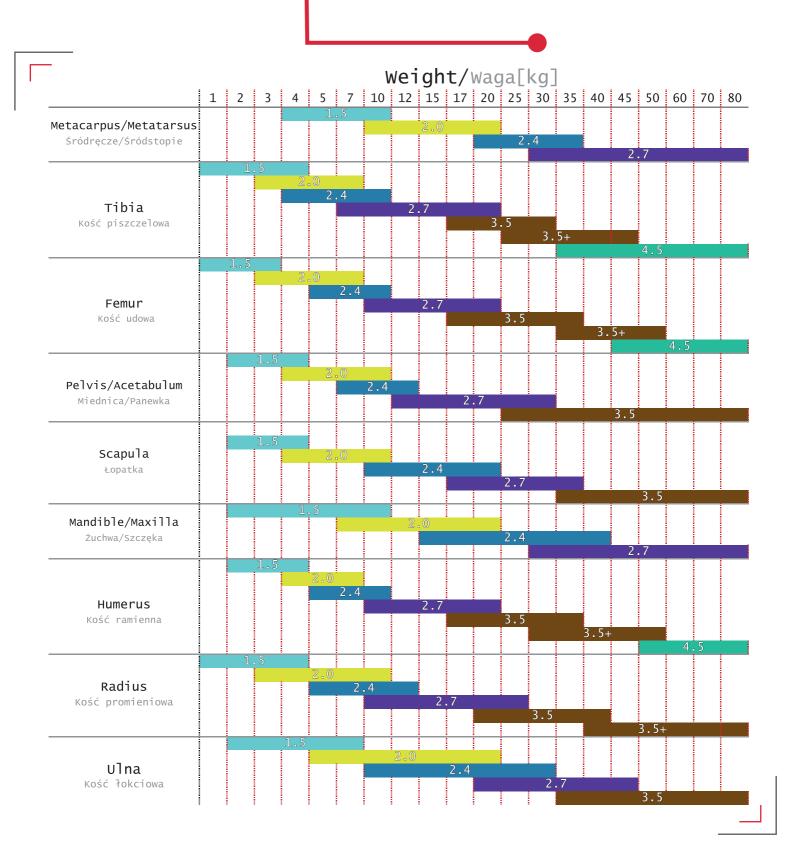
Locking plates SYSTEM 2.4 are intended mainly for treatment of long bone fractures in medium-sized animals weighing from 4 to 12 kg, scapula fractures in animals from 8 to 20 kg and fractures of the mandible / jaw in animals from 12 to 40 kg.

Locking plates SYSTEM 2.7 are intended mainly for treatment of long bone fractures in medium-sized animals weighing from 6 to 25 kg, scapula fractures in animals from 15 to 35 kg and fractures of the mandible / jaw in animals over 25 kg.

Locking plates SYSTEM 3.5 are intended mainly for treatment of long bone fractures in animals weighing 15 to 50 kg, scapula fractures in animals over 30 kg.

Locking plates SYSTEM 4.5 are intended mainly for treatment of long bone fractures in animals weighing over 50 kg or for treatment of fractures in big animals like goats, horses etc.

After recognizing the type of fracture and determining the method of treatment, the appropriate implant for case and patient should be chosen. Before inserting the plate, bone reposition should be done, for this purpose a Kirschner wire can be inserted in intramedullary canal, which in the initial phase of stabilization will help in restoring the bone length and maintaining the axis.



Locking screw inserting



Screw diameter	1.5	2.0	2.4	2.7	3.5	4.5
Drill sleeve	1.1	1.5	1.8	2.0	2.5	3.2

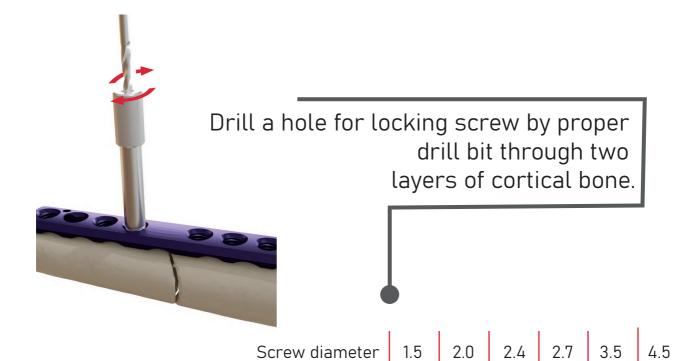
1.5

1.1

1.8

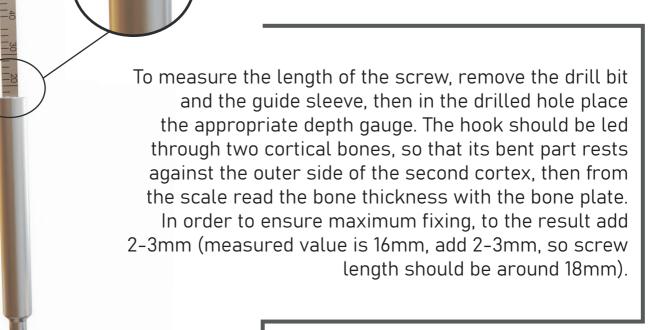
2.0

2.5



Drill bit

3.2

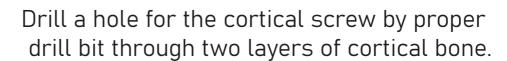


Screw diameter	1.5	2.0	2.4	2.7	3.5	4.5
Depth gauge	MG.0	01.04	١	1G.01.	05	MG.01.06

Using a dedicated screwdriver, screw in the locking screw, remembering not to tighten the screw by force, if the instrument set is equipped with a torque limit screwdriver, it should be used.

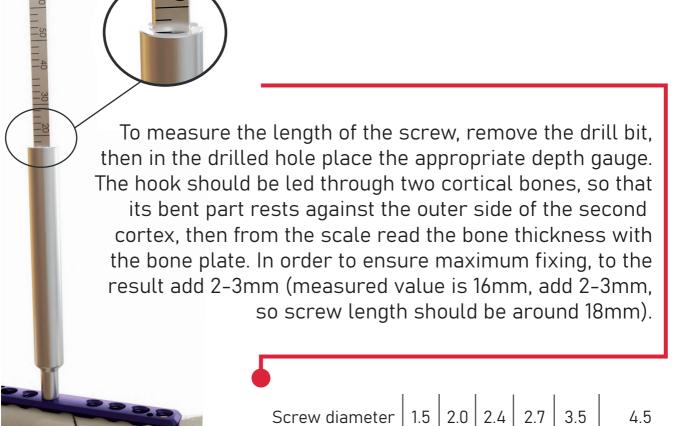
Screw diameter	1.5	2.0	2.4	2.7	3.5	4.5
Screwdriver	HEX 1.3	HEX 1.5	НЕХ	(2.0	HEX 2.5	HEX 3.5
Torque limit	0.3 Nm	0.4 Nm	0.8	Nm	1.5 Nm	4 Nm

Cortical screw inserting





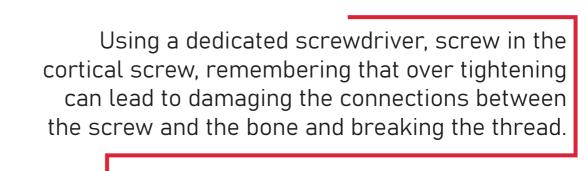
Screw diameter	1.5	2.0	2.4	2.7	3.5	4.5
Drill bit	1.1	1.5	1.8	2.0	2.5	3.2



Depth gauge MG.01.04

MG.01.06

MG.01.05

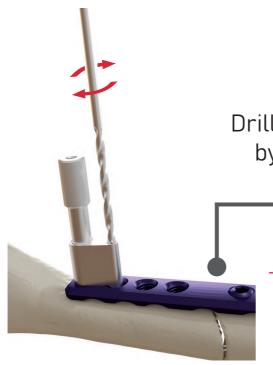


Screw diameter	1.5	2.0	2.4	2.7	3.5	4.5
Screwdriver	HEX	(1.5	HEX 2.0	HE)	⟨ 2.5	HEX 3.5

Compression by locking screw

To insert the locking screw in the compression position, put the drilling sleeve for compression screws on the drilling sleeve for locking screws. (The pointed side of the compression screw drilling sleeve should be directed towards the plate) Then screw the drilling sleeve in the nearest threaded hole on the compression side of the locking - compression hole.

Screw diameter	1.5	2.0	2.4	2.7	3.5	4.5
Drill sleeve	1.1	1.5	1.8	2.0	2.5	3.2



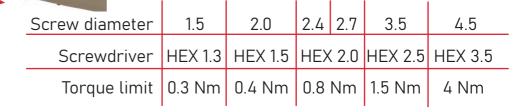
Drill a hole for the compression screw by drilling by proper drill bit through two layers of cortical bone.

Screw diameter	1.5	2.0	2.4	2.7	3.5	4.5
Drill bit	1.1	1.5	1.8	2.0	2.5	3.2

To measure the length of the screw, remove the drill bit and the guide sleeves, then in the drilled hole place the appropriate depth gauge. The hook should be led through two cortical bones, so that its bent part rests against the outer side of the second cortex, then from the scale read the bone thickness with the bone plate. In order to ensure maximum fixing, to the result add 2-3mm (measured value is 16mm, add 2-3mm, so screw length should be around 18mm).

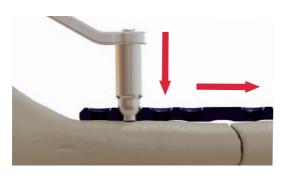
Screw diameter	1.5	2.0	2.4	2.7	3.5	4.5
Depth gauge	MG.0	6.01.04 MG.01.05		MG.01.06		

Using a dedicated screwdriver, screw in the locking screw, remembering not to tighten the screw by force, if the instrument set is equipped with a torque limit screwdriver, it should be used.

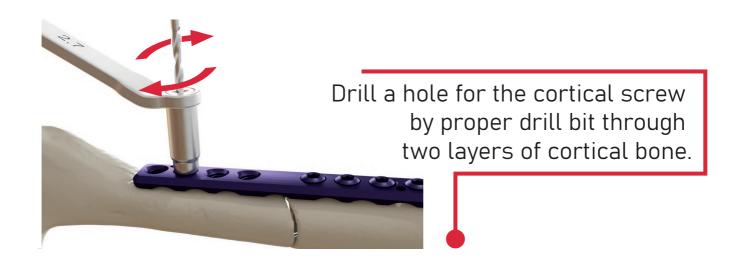


Compression by cortical screw





To insert the cortical screw in the compression position insert the compression guide on the outer edge of unthreaded part of the locking-compression hole, without pressing it against the bone and plate. If neutral position is necessary lightly push the guide to the bone, it will move it towards the threaded part of the hole.



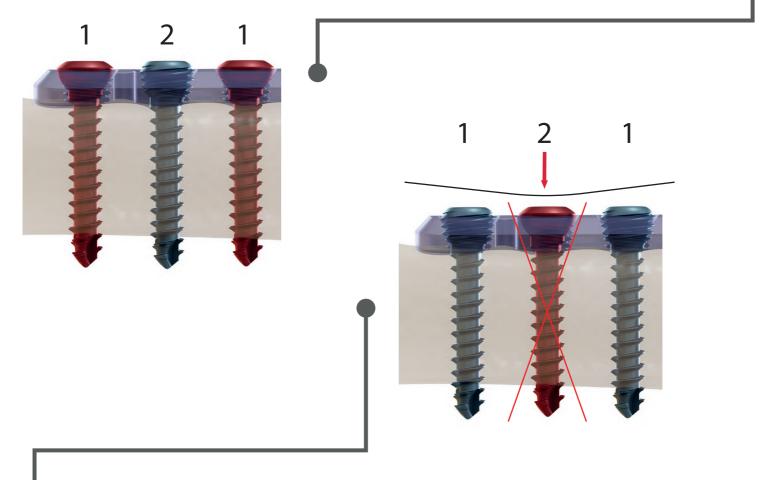
Screw diameter	1.5	2.0	2.4	2.7	3.5	4.5
Drill bit	1.1	1.5	1.8	2.0	2.5	3.2

Using a dedicated screwdriver, screw in the cortical screw, remembering that over tightening can lead to damaging the connections between the screw and the bone and breaking the thread.

Screw diameter	1.5	2.0	2.4	2.7	3.5	4.5
Screwdriver	HE	(1.5	HEX 2.0	HE)	X 2.5	HEX 3.5

Locking plate principles

It is very important to remember about the correct order in which the bone screws are inserted in one fracture, first cortical screws and after then locking screws.



Inserting screws in a different order especially inserting a cortical screw between two locking screws may lead to stress in the plate and neighbouring locking screws, which may result in implant fracture or abnormal healing process.



To compress the fracture, firstly fix the plate to one side of the fractured bone with at least two locking or three cortical screws, then insert the locking or cortical screw into the compression hole on the opposite side of the plate.

Locking plates should be shaped between holes, if holes are in the the bending zone, fill them with locking screws or threaded plugs before bending the plate in order to prevent holes deformation.

Notes



+48 606 490 165 +48 603 792 705

iwet@iwet.vet
www.iwet.vet

ul. Szałwiowa 18 15-523 Grabówka Poland