



All ITS plates are preformed anatomically as a matter of principle. If adjustment of the plate to the shape of the bone is required, this is possible by carefully bending gently in one direction once. Particular care is required when bending in the region of a plate hole, as deformation of the plate may lead to a failure of the locking mechanism. The plate must not be buckled or bent several times. This is particularly important in the case of titanium implants, to prevent material fatigue and subsequent failure. The method of bending is the conscious responsibility of the operating doctor; I.T.S. GmbH can accept no liability whatsoever for this.

Contents

I. Introduction

- P. 5 Preface
- P.6 Screws
- P.7 Properties
- P.7 Preoperative identification of screw length
- P. 8 Indications & Contraindications
- P.8 Time of operation

2. Surgical Technique

- P. 10 Pre-operative patient preparation
- P. IO Assembly of the insertion guide/extraction instrument
- P. II Reduction
- P. II Access
- P. 12 Plate insertion
- P. 13 Temporary fixation with K-Wires
- P. 14 Reduction instrument
- P. 15 Intraoperative identification of screw length
- P. 16 Placement of the screws
- P. I7 Drilling optionally
- P. 20 Disassembly of the insertion guide
- P. 21 Postoperative treatment
- P. 21 Explantation
- P. 21 Summary

3. Information

- P. 23 Locking / Dotize®
- P. 24 Order list
- **P. 29** Notes

Introduction

• Preface

The newly developed LRS System - Locking Reconstruction System enables the medical treatment of fractures in the joint area with an optional less invasive method.

The special feature of this implant is the free choice of screw placement. The user is able to set any desired screw in any hole. The system provides the opportunity to operate with or without a drill block in the joint area.

Especially at complex fractures the free choice of screw angle (+/-I5°, see page 23) has advantages in the fracture treatment.



• Screws

- 37592-XX Cancellous Screw, Locking, D=5.9mm
- 61354-280 Spiral Drill, D=3.5mm, L=280mm, AO Connector
- 54353-230SH Screwdriver Shank, PRS, Solid, WS 3.5, L=230mm, AO Connector

3059I-XX Cancellous Screw, D=5.9mm

- 61354-280 Spiral Drill, D=3.5mm, L=280mm, AO Connector
- 54353-230SH Screwdriver Shank, PRS, Solid, WS 3.5, L=230mm, AO Connector

32455-XX Cortical Screw, D=4.5mm

- 61324-280 Spiral Drill, D=3.2mm, L=280mm, AO Connector
- 54353-230SH Screwdriver Shank, PRS, Solid, WS 3.5, L=230mm, AO Connector



Canada

37455-XX Cortical Screw, Locking, D=4.5mm

61324-280 Spiral Drill, D=3.2mm, L=280mm, AO Connector

54353-230SH Screwdriver Shank, PRS, Solid, WS 3.5, L=230mm, AO Connector



CONCERCION OF

• Properties

Properties of the material:

- Plate material: Titanium
- Material of screws: TiAl6V4 ELI
- Easier removal of the implant after the fracture has healed
- Improved fatigue strength of the implant
- Reduced risk of cold welding
- Reduced risk of inflammation and allergy

Properties of the implant:

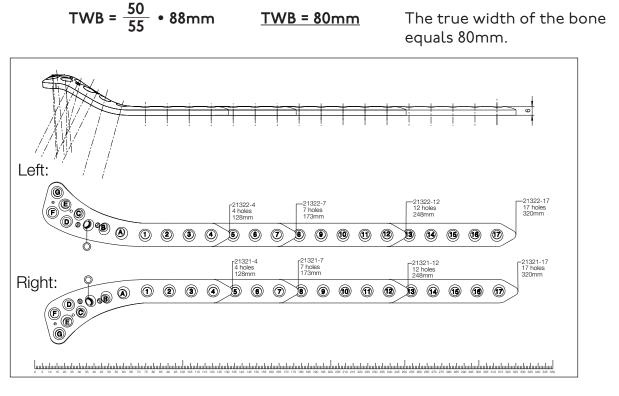
- Multi-directional Locking
- Anatomical plate design
- Left/right version
- Plate lengths: 4, 7, 12, 17-hole

Less invasive method:

- Radiolucent handle and drill block close to joint
- Reduction instrument for easier reduction

Preoperative identification of screw length

- Preparing a x-ray with a 50mm calibration plate
- Measure the length of the calibration plate (CPL) on the x-ray
- Measure the width of the bone (WB) on the x-ray
- True width of the bone (TWB) is calculated as shown beside: TWB = $\frac{50}{CPI}$ WB
- Example: CPL = 55mm; WB = 88mm



Indications, Contraindications & Time of operation

Indications:

For stabilization of fractures of the proximal tibia

- Proximal shaft fractures
- Metaphyseal fractures
- Intra-articular fractures

Contraindications:

- With advanced osteoporosis
- In cases of skin and soft tissue problems above the lateral epicondylus
- Obesity
- Lack of patient compliance

Time of operation:

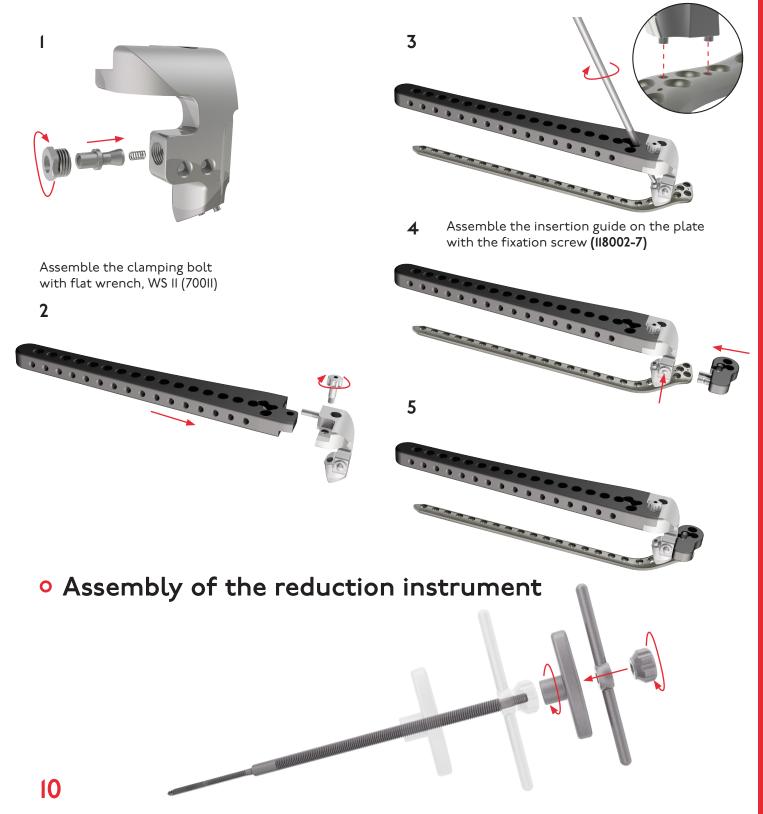
- Primary: Within the first hours after trauma
- Secondary: After swelling subsides, intermediate fixation with external fixation or extension

Surgical Technique

Pre-operative patient preparation

- Position the patient supine on a radiolucent table
- Leg freely movable
- X-rays of the lateral and anterior-posterior proximal tibia should be possible
- To flex the knee joint, a roll can be placed below the knee

Assembly of the insertion guide



• Reduction

- Anatomic reduction of the fracture
- In intra-articular fractures reconstruct and stabilize the whole joint
- Possible temporary fixation with K-Wires
- Following x-ray control

• Access

- Straight, short, skin incision (see picture below) from Gerdy's tubercle 50mm to distal
- Open the space between the anterior tibial muscle and the periosteum
- Insert the plate between the periosteum and the muscle
- Anterolateral arthrotomy providing good control of the reduction



• Plate insertion

- Insert the plate, assembled on the insertion guide, between the anterior tibial muscle and periosteum
- Distal end of the plate should remain in constant contact with the bone
- Position the proximal end of the plate against the lateral condyle (plate must lie flat up against the condyle. If it's problematic to find the correct position, enlarge the incision)
- Verify the correct plate position under fluoroscopy and temporarily secure it with the tissue protection sleeve (II8003-II), drill sleeve, D=I.7/3.6mm (II8003-9/II8003-I0) and the inserted guide wire, steel, D=I.6/3.2mm, L=260mm, TR w. Thrd. (35I64-260/35324-260) into one of the proximal holes (D, E figure page 7) of the drill block
- Verify the correct plate position

Usage of a 17-hole plate:

- Careful soft tissue dissection for the distal holes 13 to 17 prior to the placement of trocar and drill sleeve (in order to present the superficial peroneal nerve)
- Or use a blunt dissection in a ventral to dorsal direction (to bypass the superficial peroneal nerve)



• Temporary fixation with K-Wires

Fixation with K-Wires passed through tissue protection sleeves (II8003-II) and inserted drill sleeve D=I.7/3.6mm (II8003-9/II8003-I0) can be performed as soon as plate and bone have been optimally aligned. Distal fixation follows after proximal fixation. Insert trocar (57042) through the tissue protection sleeve (II8003-II) in the most distal hole of the plate (guiding instrument) and advance to the plate after stab incision. Then, insert the retaining sleeve (II8003-I6), screw it onto the plate and place the D=I.6mm guide wire (35I64-260) through the retaining sleeve (II8003-I6). Fix the retaining sleeve with the clamping screw (II8003-I2) at the insertion guide. Then check placement under fluoroscopy.

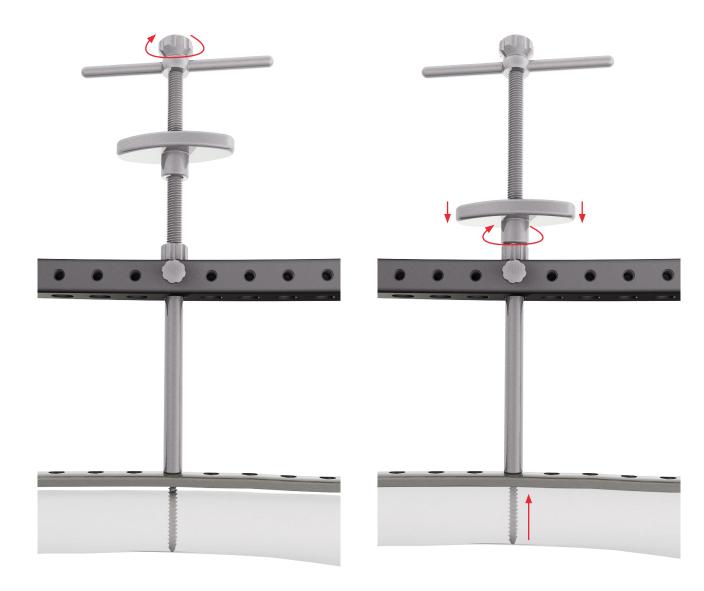


• Reduction instrument

Use a D=3.2mm spiral drill (61324-280) to create a hole for the insertion of the reduction instrument (62700) through the tissue protection sleeve (118003-11) and the D=3.6mm drill sleeve (118003-10).

Following removal of the drill sleeve, screw in the extraction instrument through the tissue protection sleeve into the bone. As soon as fixed in the bone, a reposition can be made by rotating the oval spindle nut while holding the T-handpiece. Turn in a screw through one of the adjacent plate holes to maintain reposition.

Then, the reduction instrument can be removed.



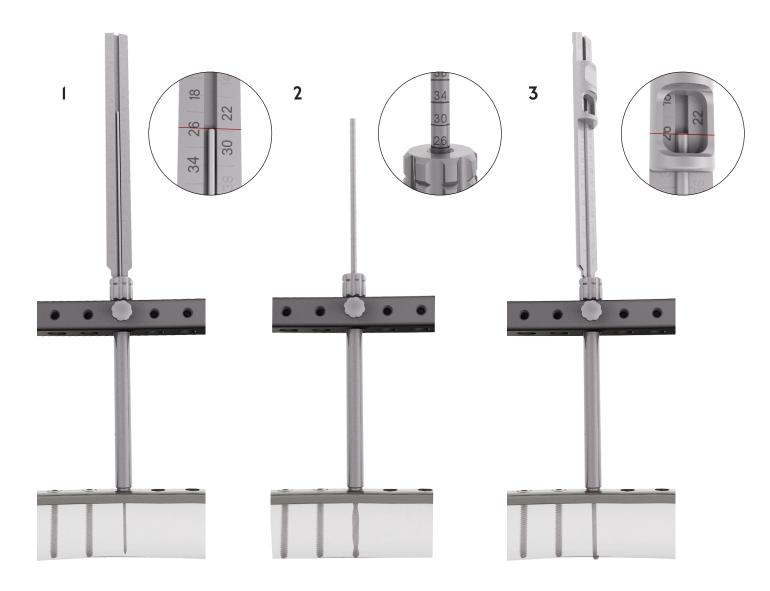
• Intraoperative identification of screw length

I. Insert the guide wire D=I.6/3.2mm (35164-260/35324-260) under fluoroscopy monitoring through the far cortices of the plate. Then, position the depth gauge, 2 parts (59324) and read off the required screw length at the end of the calibrated K-Wire.

2. Drill screw holes under fluoroscopy guidance through the far cortices of the plate. Then, read off the required screw length at the calibrated D=3.2/3.5mm spiral drill **(61324-280)**.

3. Insert the depth gauge, 2 parts **(59324)** after drilling screw holes. After hooking into the far cortices of the plate, position the length gauge at the drill sleeve and read off the required screw length at the end of the calibrated measuring wire.

Note: In the proximal area, the screw length may also be determined using the standard depth gauge, solid small fragment screws **(59022)**.



Placement of the screws

After temporary fixation with K-Wires, 2-3 D=5.9mm locking cancellous screws **(37592-XX)** in accordance with the measured length are now placed proximally.

The D=3.5mm spiral drill (61354-280) is used to pre-drill holes for the D=5.9mm locking cancellous screws. Drilling is performed through the D=3.6mm drill sleeve (118003-10) that was placed in the tissue protection sleeve (118003-11). Then, the drill sleeve is removed and the screw (appropriate length measured before) is inserted through the tissue protection sleeve.





• Drilling optionally

The proximal screws can be fitted, having a free choice of screw angle (+/- 15°), without the drill block.

To loosen the drill block (II8002-5/II8002-6) push the clamping bolt (II8003-I3) along the side.

Use the D=3.5mm spiral drill (61354-280) and the drill guide D=2.5/3.5mm (62252) to insert a D=5.9mm cancellous screw, locking (37592-XX).



Placement of the screws

After that, 2-3 D=4.5mm cortical screws, either non-locking or locking (32455-XX/37455-XX) are placed distally in the shaft. For that reason the D=3.2mm spiral drill (61324-280) is used. Drilling is again performed through the D=3.6mm drill sleeve (118003-10) that was placed in the tissue protection sleeve (118003-11). Then, the drill sleeve is removed and the screw (of the appropriate length measured before) is inserted through the tissue protection sleeve.



Afterwards, fill all proximal holes with screws and then all shaft holes. Pay attention not to place screws in the region of the fracture and the adjacent plate holes (that would lead to problems of the fracture healing).



• Disassembly of the insertion guide

To release the drill block (II8002-5/II8002-6) push the clamping bolt (II8003-I3) along the side.



To remove the entire guiding instrument, loosen the fixation screw (II8002-7).



• Postoperative treatment

- Position the patient in a slight knee bend and bedrest
- After reduction of swelling, beginning of the passive mobilization (CPM Splint)
- Partial weight-bearing sole contact At C-fractures a partial weight-bearing is not
 possible until I0-I2 weeks
 - Week 4-8: 15kg
 - Week 6-10: 30kg
- Full weight-bearing Week I0-I4 after fracture has healed

• Explantation

- Removal is possible, if desired by the patient. This is facilitated by the fact that cold welding never occurs.
- Implant removal is performed 6 months post-operative and if the fracture has healed
- Vice versa of implantation
- Skin incision following the old scar
- Assemble the insertion guide onto the plate
- Stab incision and remove the screw with the screwdriver WS 3.5mm (530II with 54353-230SH)
- The problem of cold welding was resolved by using a special surface treatment (for further information see page 23)

• Summary

The newly developed LRS System - Locking Reconstruction System - enables the medical treatment of fractures in the joint area with a less invasive method.

The special feature of this implant is the free choice of screw placement. The user is able to set any desired screw in any hole.

Information

• Locking

Locking works because:

- Screw material (TiAlV) is slightly harder than plate material (Titanium Grade 2)
- Screw head **forms** thread into the plate (no cutting)

Benefits:

- ± I5° and Locking
- No pre threading
- No cold welding
- No debris
- You can re-set the screw up to 3 times



Chemical process - anodization in a strong alkaline solution*

Type III anodization

Type II anodization

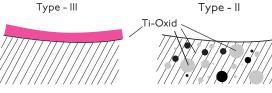
Dotize®

Dotize

- Layer thickness 60-200nm
 - + Different colors
 - Implant surface remains sensitive to: Chipping Peeling Discoloration

Layer thickness 2000-10 000nm

- + Film becomes an interstitial part of the titanium
- No visible cosmetic effect



Anodization Type II leads to following benefits*

- Oxygen and silicon absorbing conversion layer
- Decrease in protein adsorption
- Closing of micro pores and micro cracks
- Reduced risk of inflammation and allergy
- Hardened titanium surface
- Reduced tendency of cold welding of titanium implants
- Increased fatigue resistance of implants
- Improved wear and friction characteristics



• Order list

Proximal Lateral Tibia Plate, 4-hole, Right	2 32 -4
Proximal Lateral Tibia Plate, 4-hole, Left	21322-4
Proximal Lateral Tibia Plate, 7-hole, Right	2 32 -7
Proximal Lateral Tibia Plate, 7-hole, Left	21322-7
Proximal Lateral Tibia Plate, 12-hole, Right	2 32 -12
Proximal Lateral Tibia Plate, 12-hole, Left	2 322-12
Proximal Lateral Tibia Plate, 17-hole, Right	2 32 -17
Proximal Lateral Tibia Plate, 17-hole, Left	21322-17
Cancellous Screw, locking, D=5.9mm, L=16mm	37592-16 37592-20
Cancellous Screw, locking, D=5.9mm, L=20mm	37592-20
Cancellous Screw, locking, D=5.9mm, L=24mm	37592-24
Cancellous Screw, locking, D=5.9mm, L=28mm	37592-28
Cancellous Screw, locking, D=5.9mm, L=32mm	37592-32
Cancellous Screw, locking, D=5.9mm, L=36mm	37592-36
Cancellous Screw, locking, D=5.9mm, L=40mm	37592-40
Cancellous Screw, locking, D=5.9mm, L=44mm	37592-44
Cancellous Screw, locking, D=5.9mm, L=48mm	37592-48
Cancellous Screw, locking, D=5.9mm, L=52mm	37592-52
Cancellous Screw, locking, D=5.9mm, L=56mm	37592-56
Cancellous Screw, locking, D=5.9mm, L=60mm	37592-60
Cancellous Screw, locking, D=5.9mm, L=65mm	37592-65
Cancellous Screw, locking, D=5.9mm, L=00mm Cancellous Screw, locking, D=5.9mm, L=70mm	37592-70
	37592-75
Cancellous Screw, locking, D=5.9mm, L=75mm	37592-80
Cancellous Screw, locking, D=5.9mm, L=80mm	
Cancellous Screw, locking, D=5.9mm, L=85mm	37592-85
Cancellous Screw, locking, D=5.9mm, L=90mm	37592-90
Cancellous Screw, D=5.9mm, L=16mm, Threaded	30591-16
Cancellous Screw, D=5.9mm, L=20mm, Threaded	30591-20
Cancellous Screw, D=5.9mm, L=20mm, Threaded	30591-24
Cancellous Screw, D=5.9mm, L=24mm, Threaded Cancellous Screw, D=5.9mm, L=28mm, Threaded	30591-24
	30591-32
Cancellous Screw, D=5.9mm, L=32mm, Threaded	30591-32
Cancellous Screw, D=5.9mm, L=36mm, Threaded	
Cancellous Screw, D=5.9mm, L=40mm, Threaded	30591-40
Cancellous Screw, D=5.9mm, L=44mm, Threaded	30591-44
Cancellous Screw, D=5.9mm, L=48mm, Threaded	30591-48
Cancellous Screw, D=5.9mm, L=52mm, Threaded	30591-52
Cancellous Screw, D=5.9mm, L=56mm, Threaded	30591-56
Cancellous Screw, D=5.9mm, L=60mm, Threaded	30591-60
Cancellous Screw, D=5.9mm, L=65mm, Threaded	30591-65
Cancellous Screw, D=5.9mm, L=70mm, Threaded	30591-70
Cancellous Screw, D=5.9mm, L=75mm, Threaded	30591-75
Cancellous Screw, D=5.9mm, L=80mm, Threaded	30591-80
Cancellous Screw, D=5.9mm, L=85mm, Threaded	30591-85
Cancellous Screw, D=5.9mm, L=90mm, Threaded	30591-90
Cortical Screw, D=4.5mm, L=16mm, Cort. Thread	32455-16
Cortical Screw, D=4.5mm, L=20mm, Cort. Thread	32455-20
Cortical Screw, D=4.5mm, L=24mm, Cort. Thread	32455-24
Cortical Screw, D=4.5mm, L=28mm, Cort. Thread	32455-28
Cortical Screw, D=4.5mm, L=32mm, Cort. Thread	32455-32
Cortical Screw, D=4.5mm, L=36mm, Cort. Thread	32455-36
Cortical Screw, D=4.5mm, L=40mm, Cort. Thread	
,	32455-40
Cortical Screw, D=4.5mm, L=44mm, Cort. Thread	
Cortical Screw, D=4.5mm, L=44mm, Cort. Thread Cortical Screw, D=4.5mm, L=48mm, Cort. Thread	32455-40 32455-44 32455-48

Cortical Screw, D=4.5mm, L=52mm, Cort. Thread	32455-52	
Cortical Screw, D=4.5mm, L=56mm, Cort. Thread	32455-56	
Cortical Screw, D=4.5mm, L=60mm, Cort. Thread	32455-60	
Cortical Screw, D=4.5mm, L=65mm, Cort. Thread	32455-65	
Cortical Screw, D=4.5mm, L=70mm, Cort. Thread	32455-70	
Cortical Screw, D=4.5mm, L=75mm, Cort. Thread	32455-75	
Cortical Screw, D=4.5mm, L=80mm, Cort. Thread	32455-80	
Cortical Screw, D=4.5mm, L=85mm, Cort. Thread	32455-85	
Cortical Screw, D=4.5mm, L=90mm, Cort. Thread	32455-90	
	52455-90	
Cortical Screw, locking, D=4.5mm, L=16mm	37455-16	
Cortical Screw, locking, D=4.5mm, L=20mm	37455-20	and the second second
Cortical Screw, locking, D=4.5mm, L=24mm	37455-24	
Cortical Screw, locking, D=4.5mm, L=28mm	37455-28	
Cortical Screw, locking, D=4.5mm, L=32mm	37455-32	
Cortical Screw, locking, D=4.5mm, L=36mm	37455-36	
Cortical Screw, locking, D=4.5mm, L=40mm	37455-40	
Cortical Screw, locking, D=4.5mm, L=44mm	37455-44	
Cortical Screw, locking, D=4.5mm, L=48mm	37455-48	
Cortical Screw, locking, D=4.5mm, L=52mm	37455-52	
Cortical Screw, locking, D=4.5mm, L=56mm	37455-56	
0		
Cortical Screw, locking, D=4.5mm, L=60mm	37455-60	
Cortical Screw, locking, D=4.5mm, L=65mm	37455-65	
Cortical Screw, locking, D=4.5mm, L=70mm	37455-70	
Cortical Screw, locking, D=4.5mm, L=75mm	37455-75	
Cortical Screw, locking, D=4.5mm, L=80mm	37455-80	
Cortical Screw, locking, D=4.5mm, L=85mm	37455-85	
Cortical Screw, locking, D=4.5mm, L=90mm	37455-90	
Fu Guide Wire Steel D=1 (mm 1=260mm TB vu Thread	75164 260 ~	
5x Guide Wire, Steel, D=1.6mm, L=260mm, TR, w. Thread	35164-260	
5x Guide Wire, Steel, D=1.6mm, L=260mm, TR, w. Thread 5x Guide Wire, Steel, D=3.2mm, L=260mm, TR, w. Thread	35164-260 35324-260	
5x Guide Wire, Steel, D=3.2mm, L=260mm, TR, w. Thread	35324-260 - 53011	
5x Guide Wire, Steel, D=3.2mm, L=260mm, TR, w. Thread Handle, 25mm, AO Connector 2x Screwdriver Shank, PRS, Solid, WS 3.5mm, L=230mm, AO Connector	35324-260 53011 54353-230SH	
5x Guide Wire, Steel, D=3.2mm, L=260mm, TR, w. Thread Handle, 25mm, AO Connector	35324-260 - 53011	
5x Guide Wire, Steel, D=3.2mm, L=260mm, TR, w. Thread Handle, 25mm, AO Connector 2x Screwdriver Shank, PRS, Solid, WS 3.5mm, L=230mm, AO Connector Reduction Instrument	35324-260 - 53011 54353-230SH 62700	
5x Guide Wire, Steel, D=3.2mm, L=260mm, TR, w. Thread Handle, 25mm, AO Connector 2x Screwdriver Shank, PRS, Solid, WS 3.5mm, L=230mm, AO Connector Reduction Instrument Spiral Drill, D=3.2mm, L=280mm, AO Connector	35324-260 53011 54353-230SH 62700 61324-280	
5x Guide Wire, Steel, D=3.2mm, L=260mm, TR, w. Thread Handle, 25mm, AO Connector 2x Screwdriver Shank, PRS, Solid, WS 3.5mm, L=230mm, AO Connector Reduction Instrument	35324-260 - 53011 54353-230SH 62700	
 5x Guide Wire, Steel, D=3.2mm, L=260mm, TR, w. Thread Handle, 25mm, AO Connector 2x Screwdriver Shank, PRS, Solid, WS 3.5mm, L=230mm, AO Connector Reduction Instrument Spiral Drill, D=3.2mm, L=280mm, AO Connector Spiral Drill, D=3.5mm, L=280mm, AO Connector 	35324-260 53011 54353-230SH 62700 61324-280	
5x Guide Wire, Steel, D=3.2mm, L=260mm, TR, w. Thread Handle, 25mm, AO Connector 2x Screwdriver Shank, PRS, Solid, WS 3.5mm, L=230mm, AO Connector Reduction Instrument Spiral Drill, D=3.2mm, L=280mm, AO Connector Spiral Drill, D=3.5mm, L=280mm, AO Connector Depth Gauge, Solid Small Fragment Screws	35324-260 53011 54353-230SH 62700 61324-280 61354-280 59022	
5x Guide Wire, Steel, D=3.2mm, L=260mm, TR, w. Thread Handle, 25mm, AO Connector 2x Screwdriver Shank, PRS, Solid, WS 3.5mm, L=230mm, AO Connector Reduction Instrument Spiral Drill, D=3.2mm, L=280mm, AO Connector Spiral Drill, D=3.5mm, L=280mm, AO Connector Depth Gauge, Solid Small Fragment Screws Depth Gauge, 2 Parts, for D=3.2mm Wire	35324-260 53011 54353-230SH 62700 61324-280 61354-280 59022 59324	
5x Guide Wire, Steel, D=3.2mm, L=260mm, TR, w. Thread Handle, 25mm, AO Connector 2x Screwdriver Shank, PRS, Solid, WS 3.5mm, L=230mm, AO Connector Reduction Instrument Spiral Drill, D=3.2mm, L=280mm, AO Connector Spiral Drill, D=3.5mm, L=280mm, AO Connector Depth Gauge, Solid Small Fragment Screws	35324-260 53011 54353-230SH 62700 61324-280 61354-280 59022	
5x Guide Wire, Steel, D=3.2mm, L=260mm, TR, w. Thread Handle, 25mm, AO Connector 2x Screwdriver Shank, PRS, Solid, WS 3.5mm, L=230mm, AO Connector Reduction Instrument Spiral Drill, D=3.2mm, L=280mm, AO Connector Spiral Drill, D=3.5mm, L=280mm, AO Connector Depth Gauge, Solid Small Fragment Screws Depth Gauge, 2 Parts, for D=3.2mm Wire	35324-260 53011 54353-230SH 62700 61324-280 61354-280 59022 59324	
5x Guide Wire, Steel, D=3.2mm, L=260mm, TR, w. Thread Handle, 25mm, AO Connector 2x Screwdriver Shank, PRS, Solid, WS 3.5mm, L=230mm, AO Connector Reduction Instrument Spiral Drill, D=3.2mm, L=280mm, AO Connector Spiral Drill, D=3.5mm, L=280mm, AO Connector Depth Gauge, Solid Small Fragment Screws Depth Gauge, 2 Parts, for D=3.2mm Wire Depth Gauge, 110mm, for longer screws	35324-260 53011 54353-230SH 62700 61324-280 61354-280 59022 59324 KG.400.06	
5x Guide Wire, Steel, D=3.2mm, L=260mm, TR, w. Thread Handle, 25mm, AO Connector 2x Screwdriver Shank, PRS, Solid, WS 3.5mm, L=230mm, AO Connector Reduction Instrument Spiral Drill, D=3.2mm, L=280mm, AO Connector Spiral Drill, D=3.5mm, L=280mm, AO Connector Spiral Drill, D=3.5mm, L=280mm, AO Connector Depth Gauge, Solid Small Fragment Screws Depth Gauge, 110mm, for longer screws Drill Guide, D=2.5/3.5mm Trochar LRS	35324-260 53011 54353-230SH 62700 61324-280 61354-280 59022 59324 KG.400.06 62252	
5x Guide Wire, Steel, D=3.2mm, L=260mm, TR, w. Thread Handle, 25mm, AO Connector 2x Screwdriver Shank, PRS, Solid, WS 3.5mm, L=230mm, AO Connector Reduction Instrument Spiral Drill, D=3.2mm, L=280mm, AO Connector Spiral Drill, D=3.5mm, L=280mm, AO Connector Depth Gauge, Solid Small Fragment Screws Depth Gauge, 2 Parts, for D=3.2mm Wire Depth Gauge, 110mm, for longer screws Drill Guide, D=2.5/3.5mm	35324-260 53011 54353-230SH 62700 61324-280 61354-280 59022 59324 KG.400.06 62252 57042	
5x Guide Wire, Steel, D=3.2mm, L=260mm, TR, w. Thread Handle, 25mm, AO Connector 2x Screwdriver Shank, PRS, Solid, WS 3.5mm, L=230mm, AO Connector Reduction Instrument Spiral Drill, D=3.2mm, L=280mm, AO Connector Spiral Drill, D=3.5mm, L=280mm, AO Connector Spiral Drill, D=3.5mm, L=280mm, AO Connector Depth Gauge, Solid Small Fragment Screws Depth Gauge, 110mm, for longer screws Drill Guide, D=2.5/3.5mm Trochar LRS	35324-260 53011 54353-230SH 62700 61324-280 61354-280 59022 59324 KG.400.06 62252 57042	

• Order list

Insertion Guide Proximal Lateral Tibia Plate	118002	
Sterilization Tray, Proximal Lateral Tibia Plate	502 8	
Spare Parts List Insertion Guide / Optional (on request)		
Jig, Right Jig, Left	8002- 8002-2	e ana
Handle, Right Handle, Left	8002-3 8002-4	
Drill Block, Right Drill Block, Left	8002-5 8002-6	
Fixation Screw	8002-7	°
Retaining Screw	8003-8	G.
Drill Sleeve, D=1.7mm Drill Sleeve, D=3.6mm	8003-9 8003- 0	
Tissue Protection Sleeve	8003-	
Clamping Screw	118003-12	
Clamping Bolt	118003-13	
Nut f. Clamping Bolt	8003- 4	
Coil Spring f. Clamping Bolt	8003- 5	(0000)
Retaining Sleeve	118003-16	

37592-18 37592-22 37592-30 37592-34 37592-34 37592-38 37592-42 37592-46 37592-50 37592-54 37592-54 37592-58 37592-95 37592-100 37592-105

Special sizes & instruments optional on request *

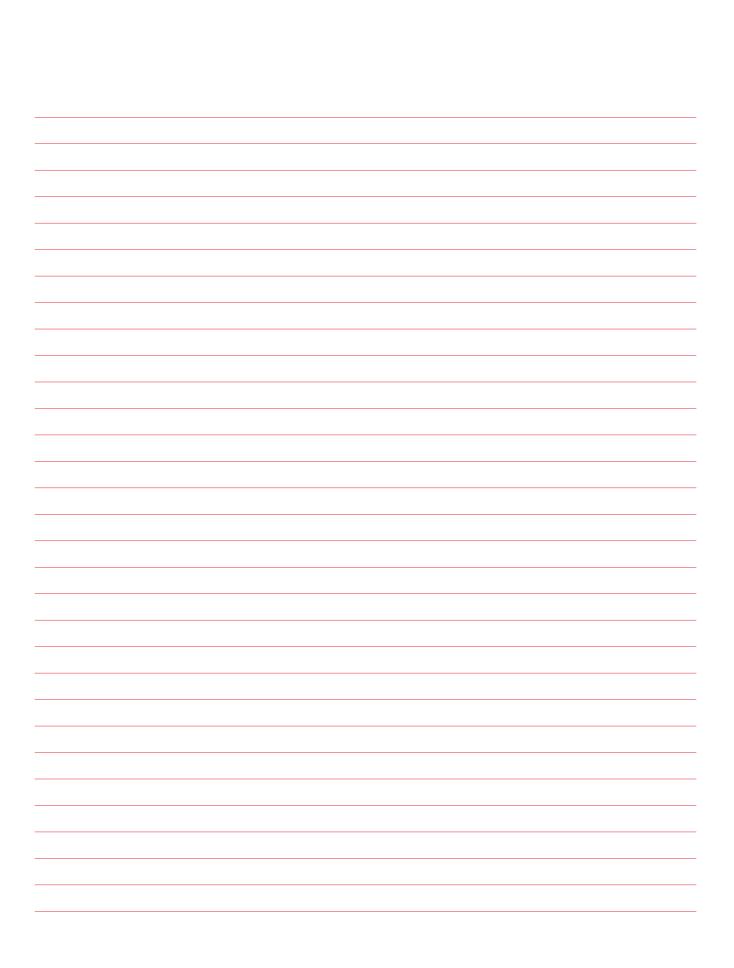


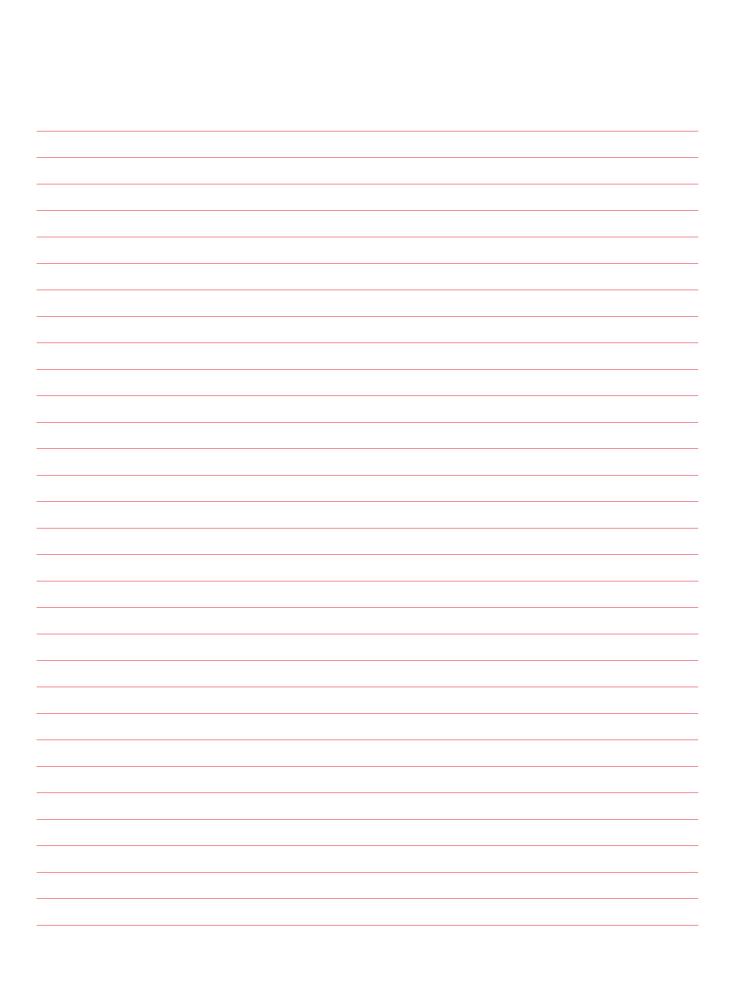
Cancellous Screw, Locking, D=5.9mm, L=110mm Cancellous Screw, Locking, D=5.9mm, L=115mm Cancellous Screw, Locking, D=5.9mm, L=120mm	37592-110 37592-115 37592-120	
Cancellous Screw, D=5.9mm, L=18mm Cancellous Screw, D=5.9mm, L=22mm Cancellous Screw, D=5.9mm, L=26mm Cancellous Screw, D=5.9mm, L=30mm Cancellous Screw, D=5.9mm, L=34mm Cancellous Screw, D=5.9mm, L=38mm Cancellous Screw, D=5.9mm, L=42mm Cancellous Screw, D=5.9mm, L=46mm Cancellous Screw, D=5.9mm, L=50mm Cancellous Screw, D=5.9mm, L=54mm Cancellous Screw, D=5.9mm, L=58mm	30591-18 30591-22 30591-26 30591-30 30591-34 30591-38 30591-42 30591-42 30591-46 30591-50 30591-54 30591-58	
Cancellous Screw, D=5.9mm, L=95mm Cancellous Screw, D=5.9mm, L=100mm Cancellous Screw, D=5.9mm, L=105mm Cancellous Screw, D=5.9mm, L=110mm Cancellous Screw, D=5.9mm, L=115mm Cancellous Screw, D=5.9mm, L=120mm	30591-95 30591-100 30591-105 30591-110 30591-115 30591-120	
Cortical Screw, D=4.5mm, L=18mm, Cort. Thread Cortical Screw, D=4.5mm, L=22mm, Cort. Thread Cortical Screw, D=4.5mm, L=26mm, Cort. Thread Cortical Screw, D=4.5mm, L=30mm, Cort. Thread Cortical Screw, D=4.5mm, L=38mm, Cort. Thread Cortical Screw, D=4.5mm, L=38mm, Cort. Thread Cortical Screw, D=4.5mm, L=42mm, Cort. Thread Cortical Screw, D=4.5mm, L=46mm, Cort. Thread Cortical Screw, D=4.5mm, L=50mm, Cort. Thread Cortical Screw, D=4.5mm, L=50mm, Cort. Thread Cortical Screw, D=4.5mm, L=54mm, Cort. Thread Cortical Screw, D=4.5mm, L=54mm, Cort. Thread Cortical Screw, D=4.5mm, L=58mm, Cort. Thread Cortical Screw, D=4.5mm, L=100mm, Cort. Thread Cortical Screw, D=4.5mm, L=100mm, Cort. Thread Cortical Screw, D=4.5mm, L=105mm, Cort. Thread Cortical Screw, D=4.5mm, L=110mm, Cort. Thread Cortical Screw, D=4.5mm, L=110mm, Cort. Thread Cortical Screw, D=4.5mm, L=110mm, Cort. Thread	32455-18 32455-22 32455-26 32455-30 32455-34 32455-38 32455-46 32455-46 32455-50 32455-54 32455-58 32455-58 32455-95 32455-100 32455-105 32455-110 32455-120	
Cortical Screw, Locking, D=4.5mm, L=18mm Cortical Screw, Locking, D=4.5mm, L=22mm Cortical Screw, Locking, D=4.5mm, L=26mm Cortical Screw, Locking, D=4.5mm, L=30mm Cortical Screw, Locking, D=4.5mm, L=34mm Cortical Screw, Locking, D=4.5mm, L=38mm Cortical Screw, Locking, D=4.5mm, L=42mm Cortical Screw, Locking, D=4.5mm, L=46mm Cortical Screw, Locking, D=4.5mm, L=50mm Cortical Screw, Locking, D=4.5mm, L=50mm Cortical Screw, Locking, D=4.5mm, L=50mm Cortical Screw, Locking, D=4.5mm, L=58mm Cortical Screw, Locking, D=4.5mm, L=58mm Cortical Screw, Locking, D=4.5mm, L=100mm Cortical Screw, Locking, D=4.5mm, L=100mm Cortical Screw, Locking, D=4.5mm, L=100mm Cortical Screw, Locking, D=4.5mm, L=110mm Cortical Screw, Locking, D=4.5mm, L=110mm	37455-18 37455-22 37455-26 37455-30 37455-34 37455-38 37455-46 37455-46 37455-50 37455-50 37455-58 37455-58 37455-95 37455-100 37455-105 37455-110 37455-115	
Cortical Screw, Locking, D=4.5mm, L=120mm	37455-120	07

For detailed cleaning and sterilization instructions, please refer to package insert. * Delivery times, prices & minimum quantities may vary from standard 27



• Notes





0

ITS. GmbH Autal 28, 830I Lassnitzhöhe, Austria Tel.: +43 (0) 316 / 211 21 0 Fax: +43 (0) 316 / 211 21 20 office@its-implant.com www.its-implant.com

C € 0297

Order No. PTL-OP-0218-E Edition: February/2018

© ITS. GmbH Graz/Austria 2018. Subject to technical alterations, errors and misprints excepted.