

KAULMED

Dynamic Compression plate System



Surgical Technique



about us

KAUL-Medizintechnik GmbH is a German manufacturer and supplier of medical items. Being part of Auxein Group and its German representative, we use its strength and experience to offer excellent products and services.

With our international brand KAULMED our products and we are there
For the Surgeons.



History of "KAULMED"

2020

Construction of KAULMEDs new manufacturing facility has started. Bone Cement and a brand new wound closure system developed in Germany have been added to our portfolio. New catalogues have been designed and published.

2019

KAULMED Spine Solutions were successfully registered and will be dispatched during Q4. Also in 2019 KAULMED gets a new website as we consider this part of our service. At MEDICA 2019 KAULMED is published and made known to the international medical market, with overwhelming success.

2018

KAUL-Medizintechnik GmbH started manufacturing Spine Solutions under KAULMED brand to support a customer and his surgeons. End of 2018 registration of these products in customers country started.

2017

KAUL-Medizintechnik GmbH started its international brand KAULMED. Now the excellent products and services can be offered to customer all over the world.

2016

In 2016 KAUL-Medizintechnik GmbH company structure was modified to ensure enough resources will be available for the new international brand. Manufacturing capacity, customer and technical service have been increased to meet the demands of international customers.

2015

The board of directors decided to use their knowledge and experience of orthopaedic implants to establish a separate international brand.



Limited Contact Dynamic Compression Plate System

The Plate Grooved Undersurface

- Provides limited contact between plate and bone, minimizing the chance for temporary osteoporosis under the plate.
- Allows for periosteal callus formation at the fracture site.



Uniform Stiffness

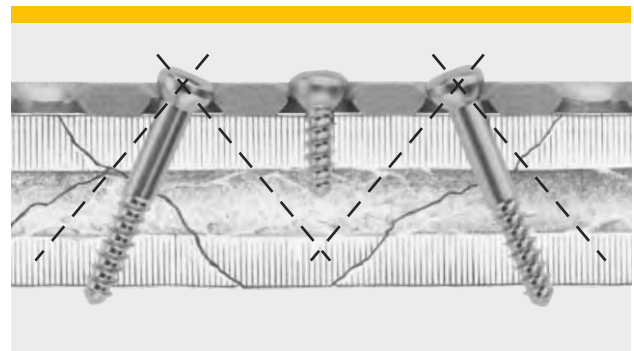
- Allows smooth contour of plate to bone.
- Protects plate from localized high bending stresses.

Plate Hole

- Provides bidirectional compression.
- Allows 80° of longitudinal screw angulation.
- Allows 14° of transverse screw angulation.
- Uniform hole spacing provides greater intra-operative flexibility for screw and plate placement.

Shaft Screw

- 60% more efficient in providing compression than a fully threaded lag screw.
- Prevents catching of screw threads in near cortex or plate when used as a lag screw.
- Large shaft diameter resists shearing in positions of high stress.



The hole allows 80° of longitudinal lag screw angulation.



Neutral and Load Drill Guide

Use when drilling screw holes through the plate in these positions:

- Neutral
- Buttress
- Load

Features:

- Color coded green and yellow drill sleeves.
- Drill sleeve tips seat precisely in hole for accurate drilling.



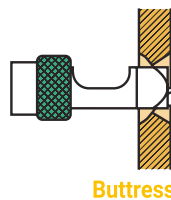
Use the green drill sleeve when drilling a screw hole in the neutral or buttress positions.

Use the yellow drill sleeve when drilling a screw hole in the load position.

Buttress

A screw placed in the buttress position in the plate hole helps maintain anatomic length.

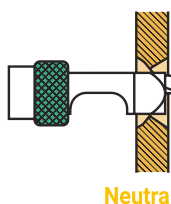
Arrow on drill guide points away from fracture to buttress the proximal fragment.



Neutral

A screw placed in the neutral position anchors the plate to the bone.

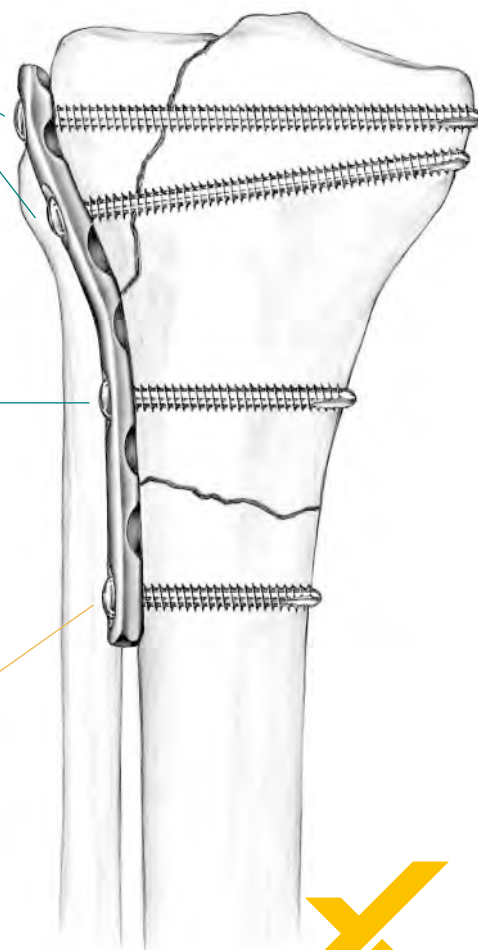
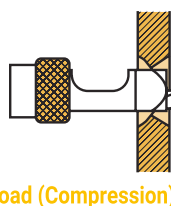
Arrow on drill guide points toward fracture.



Load (Compression)

A screw placed in the load position serves to compress the bone fragments together.

Arrow on drill guide points toward fracture for compression.



Universal Drill Guide

Use when drilling lag screws through the plate hole or when drilling independent lag screws.

Use the Universal Drill Guide as an alternative to the Neutral and Loaded Drill Guide when drilling screw holes in the neutral, buttress and loaded +/- positions

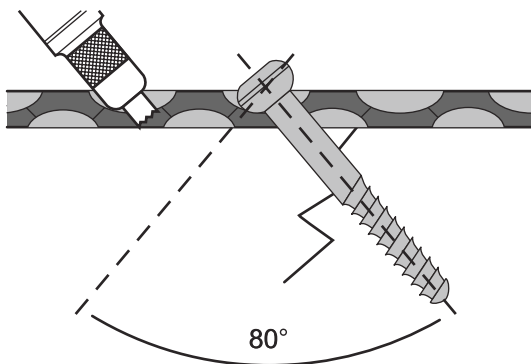
Can also be used as a tap sleeve.

Features:

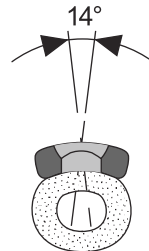
- Narrow tip allows 80° of longitudinal lag screw angulation in plate hole.
- Narrow tip allows 14° of transverse lag screw angulation in the plate hole.
- Serrated tip prevents slipping on bone when placing independent lag screws.
- Spring loaded tip allows drilling of screw hole in the neutral, buttress or load positions, thereby providing an alternative to the Neutral and Load Drill Guide.



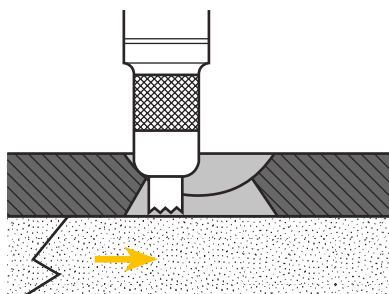
Lag Screw Placement



80° Longitudinal angulation

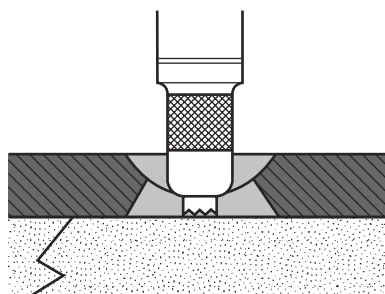


14° Transverse angulation



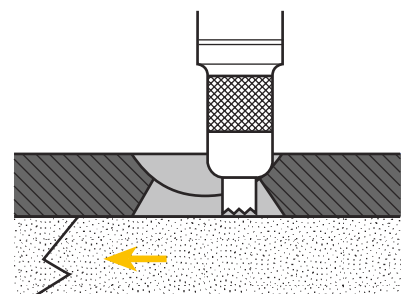
Buttress

To buttress the proximal fragment, place the drill guide at the end of the hole nearest the fracture without downward pressure on the spring-loaded tip.



Neutral

Fully press the spring-loaded sleeve down into the plate hole.



Load (Compression)

To obtain compression, place the drill guide at the end of the hole away from the fracture without downward pressure on the spring-loaded tip.



3.5mm Small Limited Contact Dynamic Compression Plate



Holes	Stainless Steel	Titanium
3	T211353S	T211353T
4	T211354S	T211354T
5	T211355S	T211355T
6	T211356S	T211356T
7	T211357S	T211357T
8	T211358S	T211358T
9	T211359S	T211359T
10	T2113510S	T2113510T
11	T2113511S	T2113511T
12	T2113512S	T2113512T
13	T2113513S	T2113513T
14	T2113514S	T2113514T



T2I001

Drill Bit Quick Coupling, Ø2.5mm x 112mm



T2I003

Bone Tap Quick Coupling for Cortical Screws, Ø3.5mm



T2I005

Drill Sleeve Insert, Ø3.5/2.5mm



T2I007

T-Handle with Quick Coupling



T2I009

Double Drill Guide, Ø2.5/3.5mm



T2I002

Drill Bit Quick Coupling, Ø3.5mm x 112mm



T2I004

Bone Tap, Quick Coupling for Cancellous Screws, Ø4.0mm



T2I006

Countersink, for Ø 3.5/4.0mm Screws, Quick Coupling



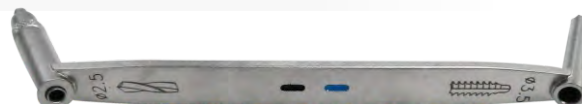
T2I008

Quick Coupling Shaft



T2I010

Self Centering double drill guide, Ø2.5/3.5mm



T2I011

Drill Guide for Neutral and Loaded Position, DCP Ø2.5mm



T2I013

Hexagonal Screw Driver Shaft - 2.5mm Tip, Quick Coupling



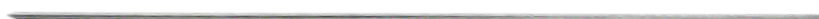
T2I015

Extraction Screw, Ø3.5mm



T2I017

Kirschner Wire with One Side Trocar Tip, Ø 1.2mm x 150mm



T2I019

Kirschner Wire with One Side Trocar Tip, Ø 2.0mm x 150mm



T2I012

Drill Guide for Neutral and Loaded Position, LC-DCP Ø2.5mm



T2I014

Depth Gauge, measuring range upto 60mm



T2I016

2.0mm Wire Sleeve



T2I018

Kirschner Wire with One Side Trocar Tip, Ø 1.5mm x 150mm

**T2I020**

Guide Wire, with threaded Trocar Tip, Ø 1.2mm x Length 150mm

**T2I021**

Guide Wire with Threaded Trocar Tip, Ø 1.5mm x Length 100mm

**T2I023**

Hexagonal Screw Driver with Holding Sleeve - 2.5mm Tip

**T2I027**

Reduction Forcep, Pointed, Ratchet Lock

**T2I029**

Self Centering Bone Holding Forcep, Speed Lock



T2I022

Guide Wire with Threaded Trocar Tip, Ø 2.0mm x Length 150mm



**T2I025 &
T2I026**

Bending Iron, Left & Right



T2I028

Reduction Forcep, Serrated Jaws, Speed Lock



T2I030

Periosteal Elevator with Silicon Handle, Curved, 6mm



T2I031

Hohmann Retractor, 6.5mm



T2I032

Hohmann Retractor, 8.5mm



T2I033

Hohmann Retractor, 15.5mm



T2I034

3.5mm Bending Template, Small



T2I035

3.5mm Bending Template, Large



T2I036

Screw Holding Forcep for Small Fragment Instrument Set



T2I037

Articulated Tension Device



T2I038

Articulated Tension Device Key

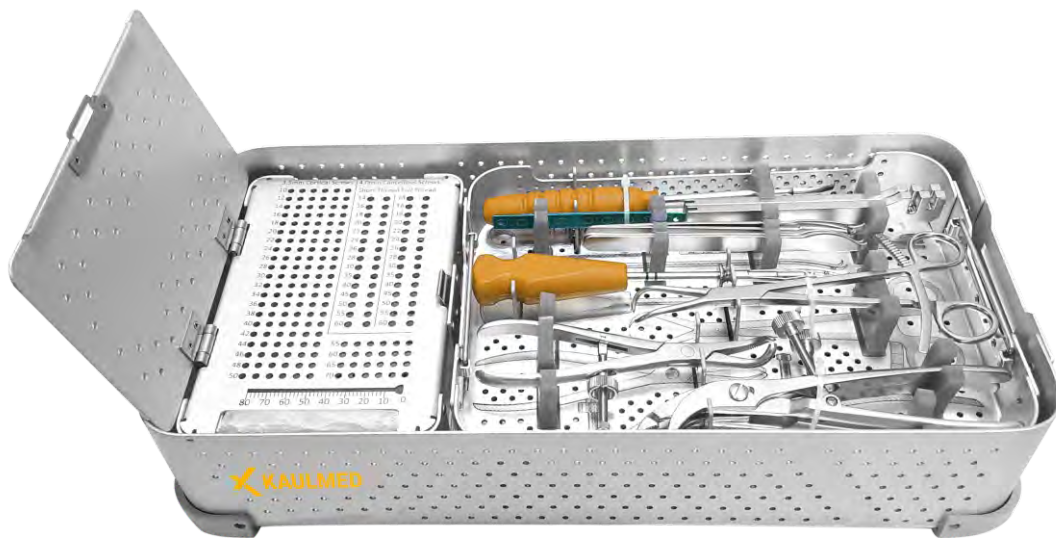


T21100

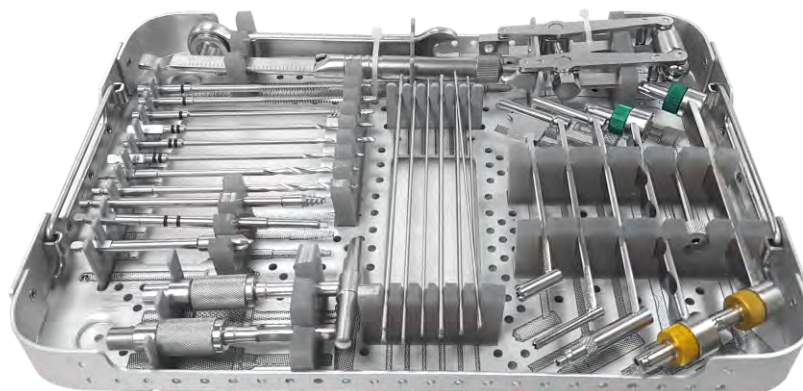
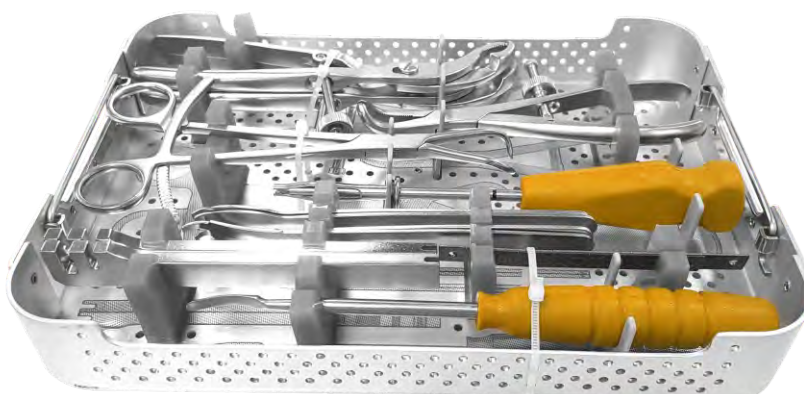
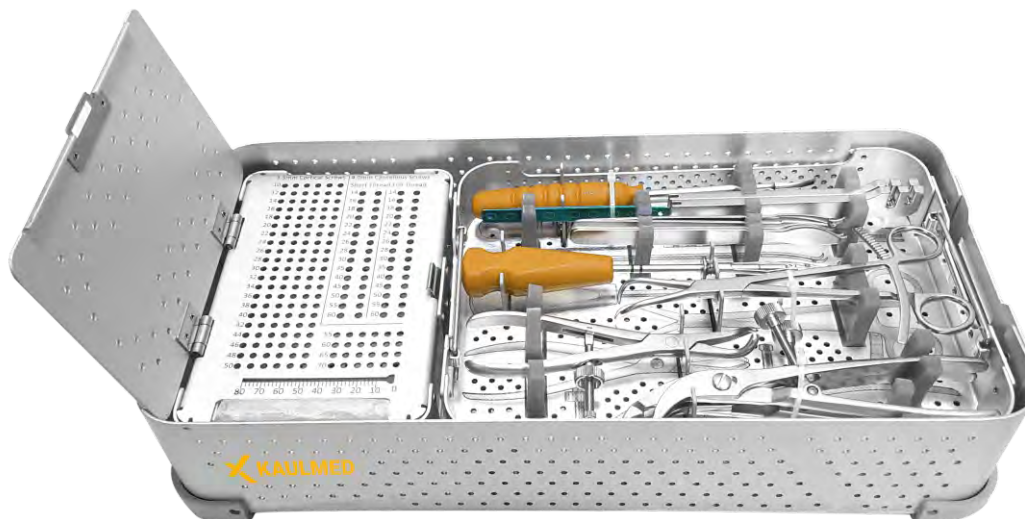
Container for Small Fragment Instrument Set

T21040

Screw Caddy for Small Fragment Instrument Set



T2I 3.5mm Small Fragment Instrument Set



4.5mm Narrow Dynamic Compression Plate



Holes	Stainless Steel	Titanium
4	T308454S	T308454T
5	T308455S	T308455T
6	T308456S	T308456T
7	T308457S	T308457T
8	T308458S	T308458T
9	T308459S	T308459T
10	T3084510S	T3084510T
11	T3084511S	T3084511T
12	T3084512S	T3084512T
13	T3084513S	T3084513T
14	T3084514S	T3084514T
15	T3084515S	T3084515T
16	T3084516S	T3084516T
17	T3084517S	T3084517T
18	T3084518S	T3084518T

4.5mm Narrow Limited Contact Dynamic Compression Plate



Holes	Stainless Steel	Titanium
4	T309454S	T309454T
5	T309455S	T309455T
6	T309456S	T309456T
7	T309457S	T309457T
8	T309458S	T309458T
9	T309459S	T309459T
10	T3094510S	T3094510T
11	T3094511S	T3094511T
12	T3094512S	T3094512T
13	T3094513S	T3094513T
14	T3094514S	T3094514T
15	T3094515S	T3094515T
16	T3094516S	T3094516T
17	T3094517S	T3094517T
18	T3094518S	T3094518T

4.5mm Broad Dynamic Compression Plate



Holes	Stainless Steel	Titanium
4	T310454S	T310454T
5	T310455S	T310455T
6	T310456S	T310456T
7	T310457S	T310457T
8	T310458S	T310458T
9	T310459S	T310459T
10	T3104510S	T3104510T
11	T3104511S	T3104511T
12	T3104512S	T3104512T
13	T3104513S	T3104513T
14	T3104514S	T3104514T
15	T3104515S	T3104515T
16	T3104516S	T3104516T
17	T3104517S	T3104517T
18	T3104518S	T3104518T
19	T3104519S	T3104519T
20	T3104520S	T3104520T

4.5mm Broad Limited Contact Dynamic Compression Plate



Holes	Stainless Steel	Titanium
4	T311454S	T311454T
5	T311455S	T311455T
6	T311456S	T311456T
7	T311457S	T311457T
8	T311458S	T311458T
9	T311459S	T311459T
10	T3114510S	T3114510T
11	T3114511S	T3114511T
12	T3114512S	T3114512T
13	T3114513S	T3114513T
14	T3114514S	T3114514T
15	T3114515S	T3114515T
16	T3114516S	T3114516T
17	T3114517S	T3114517T
18	T3114518S	T3114518T
19	T3114519S	T3114519T
20	T3114520S	T3114520T



T3I001

Drill Bit Quick Coupling, Ø2.0mm x 100mm



T3I003

Drill Bit Quick Coupling, Ø4.5mm x 145mm



T3I005

Tap, for Cancellous Screws, Ø6.5mm



T3I007

Self Centering double drill guide, Ø4.5/3.2mm



T3I010

Drill Guide for Neutral and Loaded Position, DCP Ø4.5mm



T3I002

Drill Bit Quick Coupling, Ø3.2mm x 145mm



T3I004

Tap for Ø 4.5mm Cortical Screws, Quick Coupling



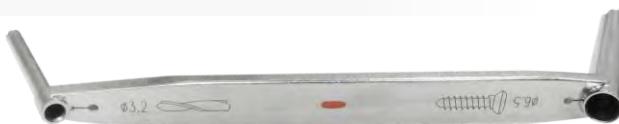
T3I006

Double Drill Guide, Ø4.5/3.2mm



T3I008

Double Drill Guide, Ø6.5/3.2mm



T3I011

Drill Guide for Neutral and Loaded Position, LC-DCP Ø4.5mm



T3I012

Pointed Drill Guide with sleeve 4.5mm



T3I026

Hexagonal Screw Driver Shaft - 3.5mm Tip, Quick Coupling



T3I015

T-Handle with Quick Coupling



T3I017

Kirschner Wire with One Side Trocar Tip, Ø 2.0mm x 150mm



**T3I019 &
T3I020**

Large Bending Iron, Left & Right



T3I013

Insert Drill Sleeve, Ø 4.5/3.2mm



T3I014

Extraction Screw, Ø5.0mm



T3I016

Quick Coupling Shaft



T3I018

Guide Wire with Threaded Tip, Ø 2.0mm x Length 150mm x Thread Length 8mm



T3I021

Bending Template, Small



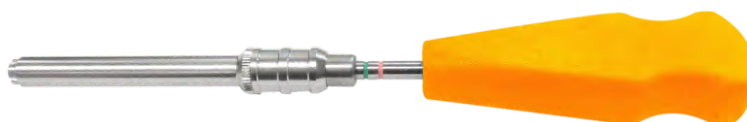
T3I022

Bending Template, Medium



**T3I024 &
T3I025**

Hexagonal Screw Driver with Holding Sleeve, 3.5mm Tip



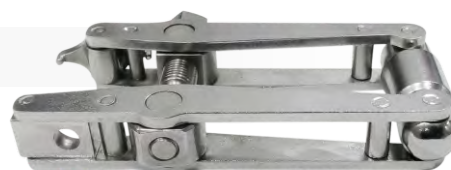
T3I028

Depth Gauge, measuring range upto, 110mm



T3I030

Articulated Tension Device



T3I032

Periosteal Elevator, Round, 8mm

**T3I023**

Bending Template, Large

**T3I027**

Countersink, for Ø 4.5/6.5mm Screws

**T3I029**

Sharp Hook

**T3I031**

Articulated Tension Device Key

**T3I033**

Periosteal Elevator, Flat, 16mm



T3I034

Hohmann Retractor, Ø 44mm



T3I036

Reduction Forceps, Serrated, Speed Lock



T3I038

Self Centering Bone Holding Forcep Speed Lock



T3I035

Hohmann Retractor, 16mm



T3I037

Reduction Forceps, Pointed, Ratchet Lock



T3I039

Screw Holding Forceps

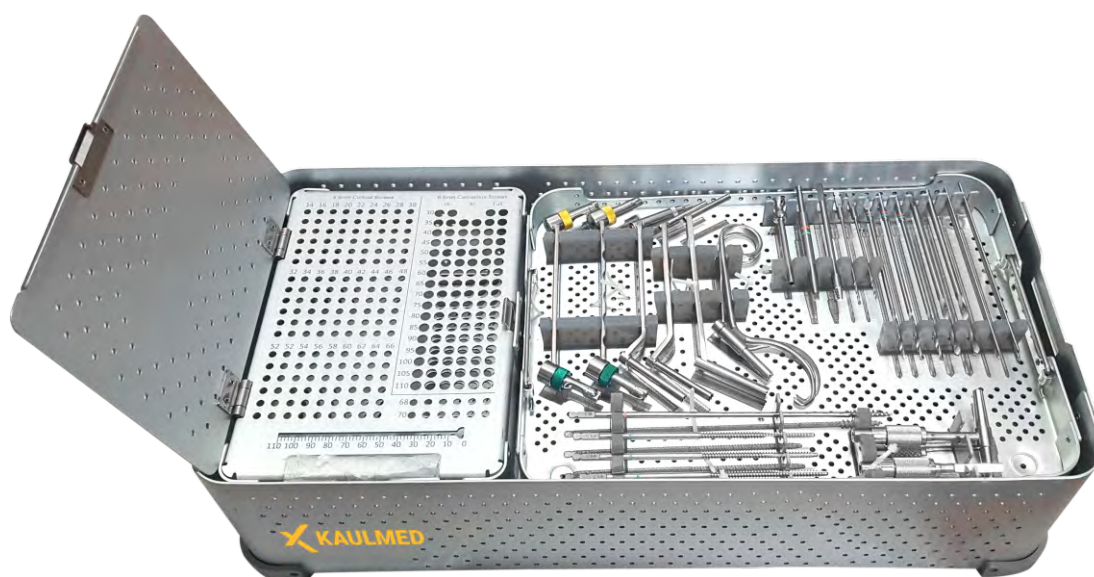


T3I100

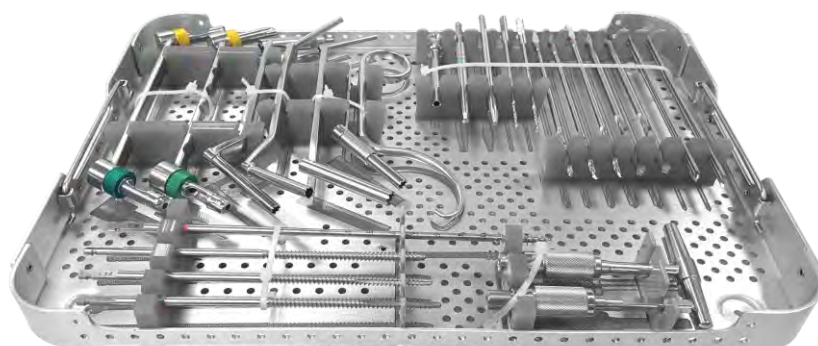
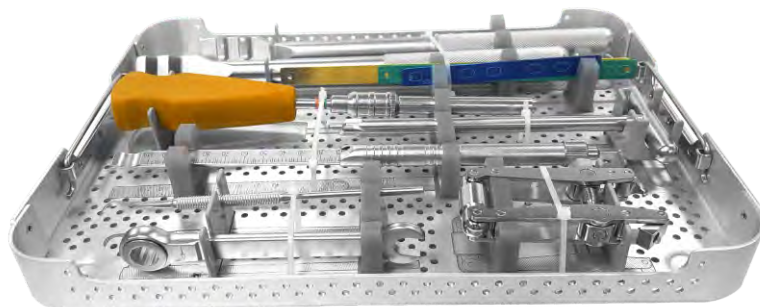
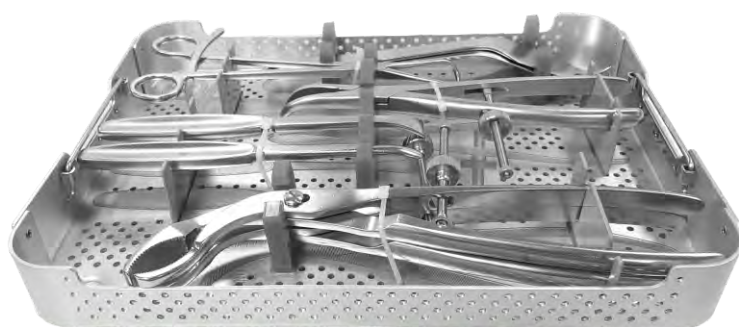
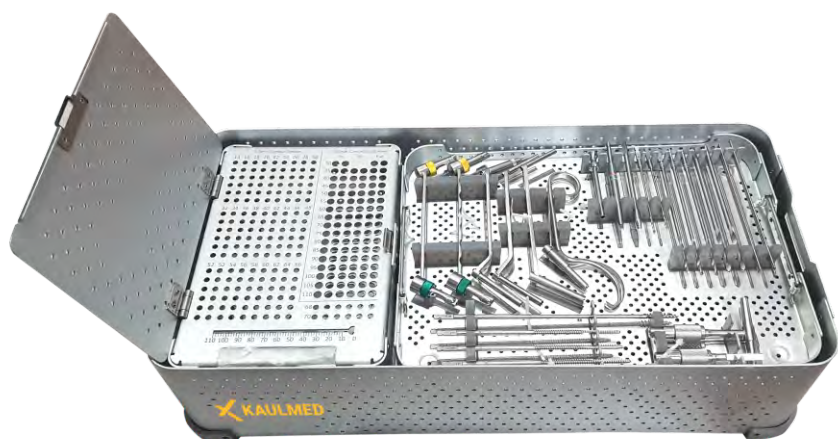
Container for Large Fragment Instrument Set

T3I040

Screw Tray for Large Fragment Instrument Set



T3I 5.0mm Large Fragment Instrument Set



KAULMED

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