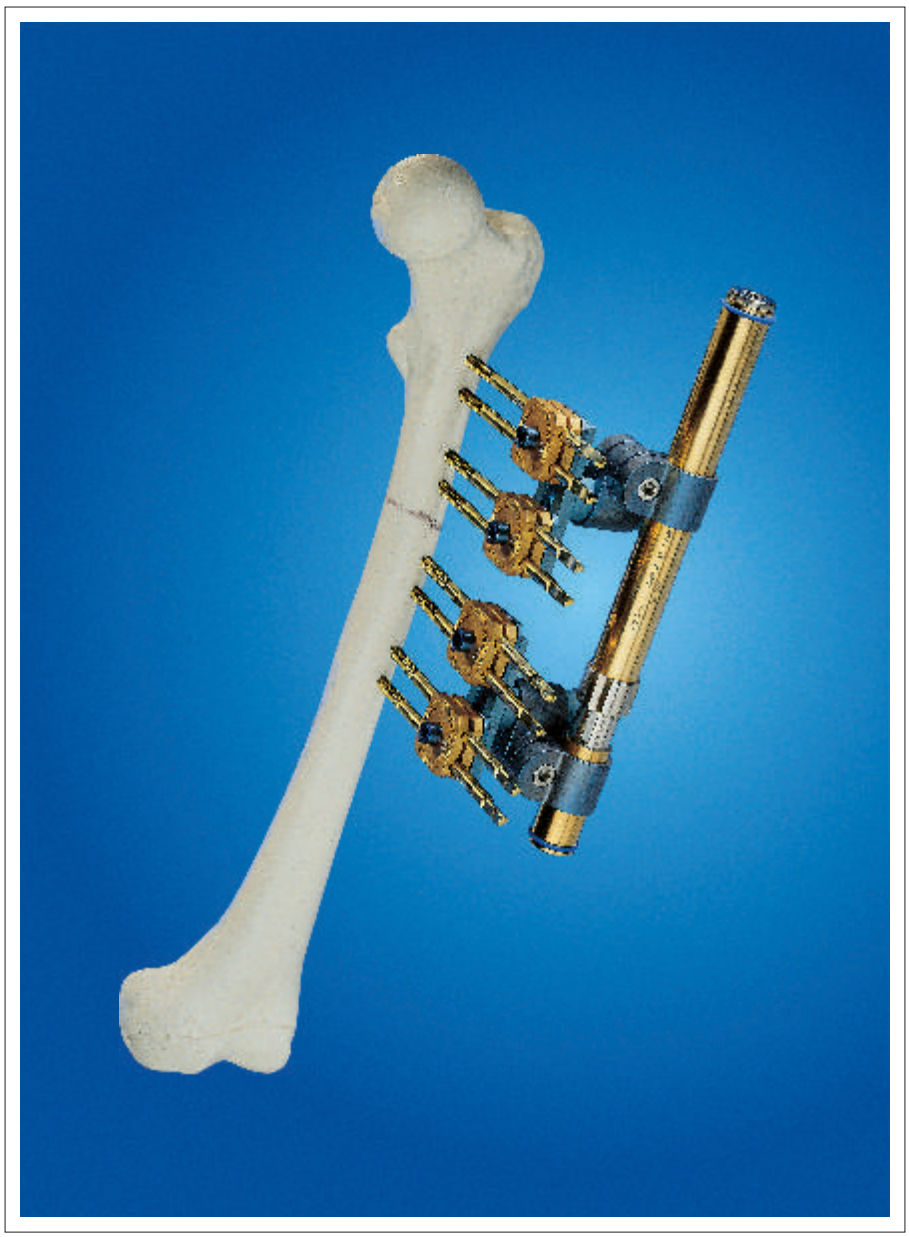
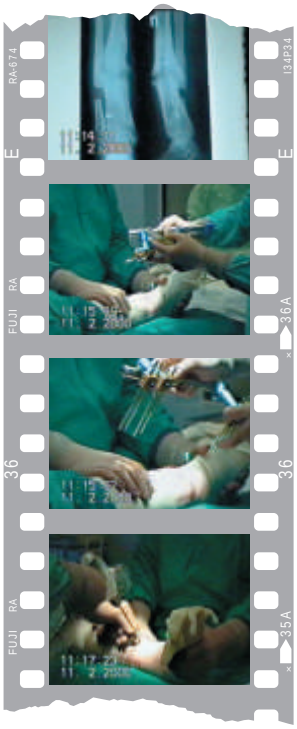


Multi-F

Titanium Ortho-Fixator System

TRINON
TITANIUM



Multi-F der externe Ortho-Fixateur von TRINON Titanium

D

Mit unserem Multi-F stellen wir einen externen Fixateur vor, der durch Qualität und Funktion überzeugt.

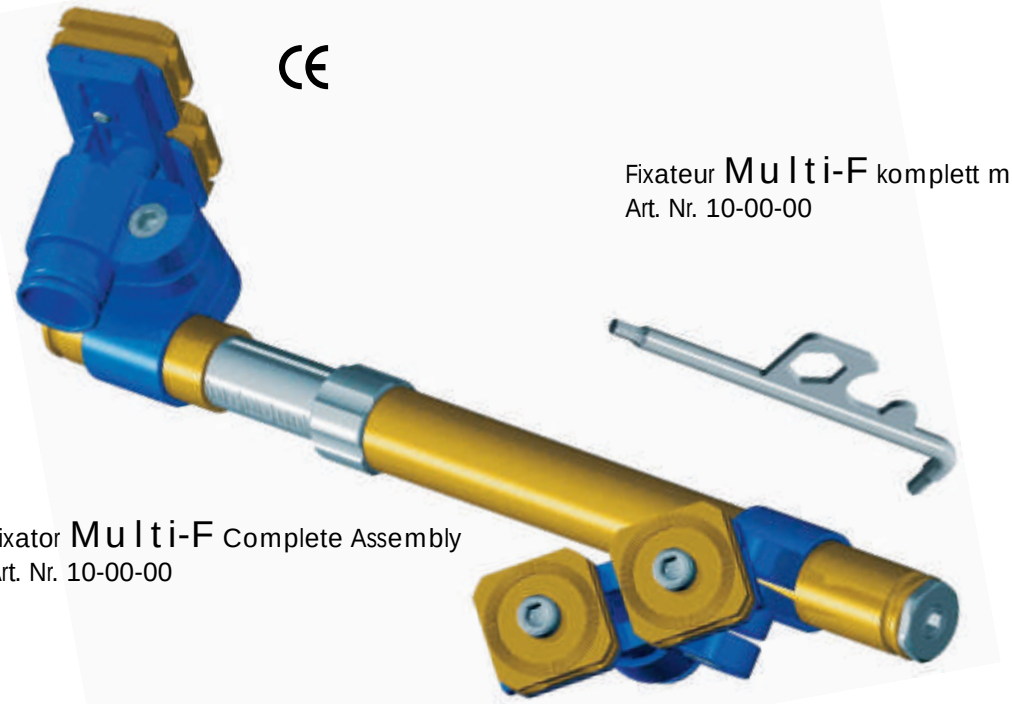
Anwendungsgebiete:

Arthrodesen, Frakturen, korrigierende Osteotomien, Pseudoarthrosen, temporäre Gelenkfixationen.

Eigenschaften:

- Titan als Hauptwerkstoff (Bio-Kompatibilität)
- Geringes Gewicht
- Hohe Festigkeit
- Kratzresistent durch Titan-Nitrid Beschichtung
- Einfache Pflege, Reinigung und Sterilisation
- Farbcodierung durch anodisierte Titanteile
- Patientenfreundliches Design

CE



Fixateur Multi-F komplett montiert
Art. Nr. 10-00-00

Fixator Multi-F Complete Assembly
Art. Nr. 10-00-00

GB

We present our external fixator Multi-F, that convinces through quality and function.

Potential applications:

arthrodesen, fractures, corrective osteotomy, pseudoarthrosis, temporary joint fixation.

Qualities:

- titanium as main material (bio-compatibility)
- low weight
- extremely high strength
- scratch resistant by titanium-nitride coating
- easy care, cleaning and sterilisation
- color-coding with anodised titanium parts
- pleasant design towards patients senses

Multi-Functional solution for external fixation

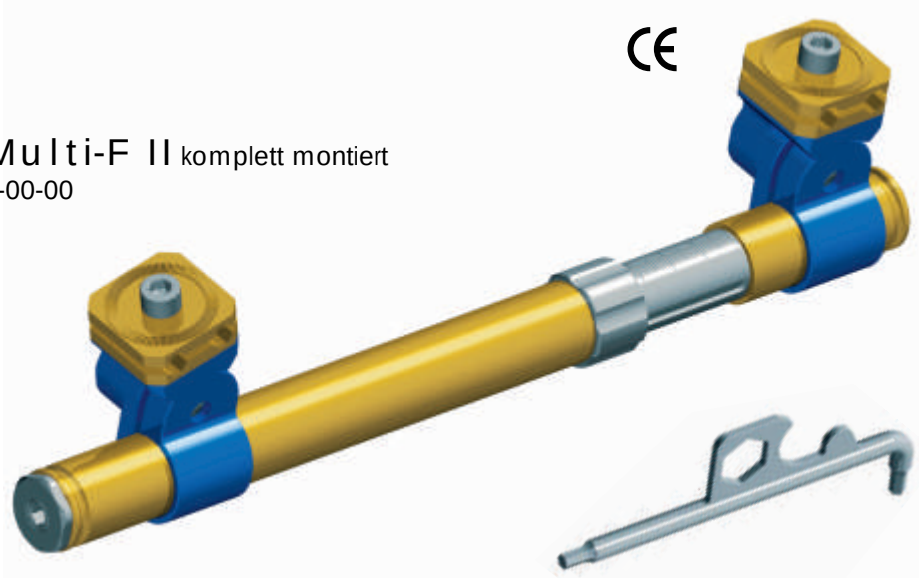
Multi-F der externe Ortho-Fixateur von TRINON Titanium

(D) Der Konstruktionsaufbau ist einfach und klar, die Funktionen werden intuitiv erfasst. Das Handling ist dadurch leicht und minimiert die OP-Dauer. Das modulare System ermöglicht den universellen Einsatz der einzelnen Bauteile, bei gleichzeitiger Reduzierung der Lagerhaltung und Lagerkosten.

Vorteile:

- Nur eine Schraube fixiert fünf Achsen
- Wahlweiser Einsatz von 5 oder 6 mm Schrauben bei identischem Fixateur
- Kein Mindestabstand zwischen den Schanz-Schrauben
- Baukastensystem, beliebig erweiterbar
- Verbindung mehrerer Fixateur-Rohre zu einer Konstruktion
- Mehr als acht Schanz-Schrauben sind einfach und schnell anzubringen
- Ein Universalschlüssel dient zur Montage, Verstellung und Fixierung

Fixateur Multi-F II komplett montiert
Art. Nr. 11-00-00



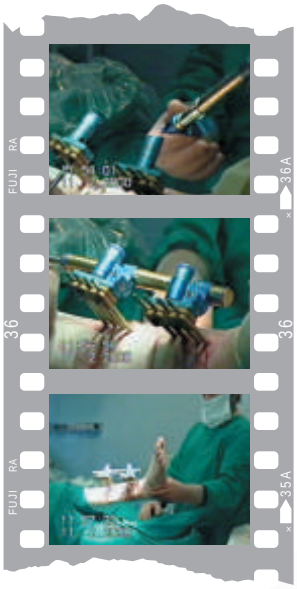
Fixator Multi-F II Complete Assembly
Art. Nr. 11-00-00

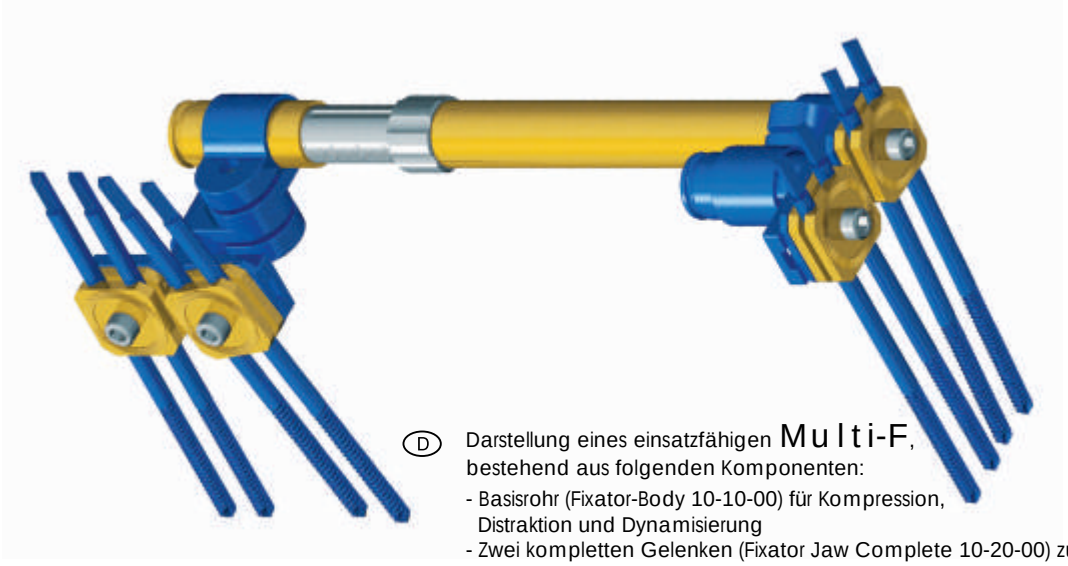
(GB) The design construction is simple and clear. The functions are recorded intuitively. As a result, the very easy handling helps reducing the operation time. The modular system allows the universal use of the individual components, and minimizes stock keeping and storage costs.

Advantages:

- only one screw fixes five axes
- optional use of 5 or 6 mm screws on the same fixator
- no minimum distance between Schanz-screws required
- the modular system is open ended
- combination of several fixator-tubes in one construction
- more than eight Schanz-screws can be attached simply and fast
- adjusting, assembling and fixing are done with one universal key

Multi-Functional solution for external fixation



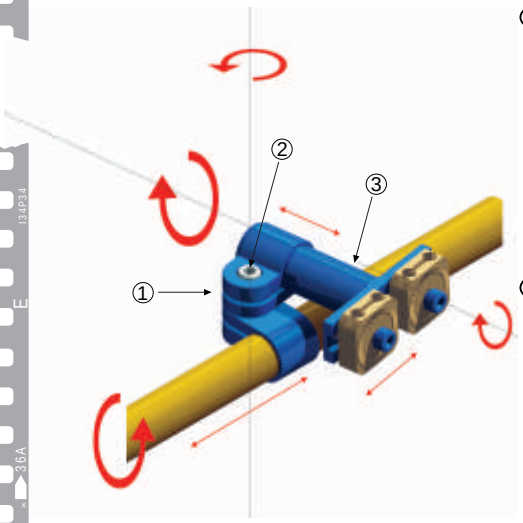


D Darstellung eines einsatzfähigen Multi-F, bestehend aus folgenden Komponenten:

- Basisrohr (Fixator-Body 10-10-00) für Kompression, Distraktion und Dynamisierung
- Zwei kompletten Gelenken (Fixator Jaw Complete 10-20-00) zur Befestigung und Fixierung der Schanz-Schrauben
- Acht Titan-Schanz-Schrauben

GB Display of a Multi-F ready for use, consisting of following parts:

- Basic tube (Fixator-Body 10-10-00) for compression, distraction and dynamizing
- Two complete connecting pieces (Fixator Jaw Complete 10-20-00) for fixing the Schanz-screws
- eight titanium Schanz-screws



D Die Repositionierung der Fraktur ist mit nachstehenden Modulen leicht durchführbar:

① Doppelgelenk (Joint for two tubes 10-22-00) für zweifache 360° Rotation, sowie für die vertikale und parallele Verschiebung
② Eine Zentralschraube zur Fixierung von fünf Achsen (befindet sich am Joint for two tubes)
③ T-Modul (T-piece 10-21-00), inklusive zwei beweglichen Schanz-Schraubenhaltern

Zusätzliche Stabilität wird durch die Verzahnung der Schanz-Schraubenhalter erreicht.

GB Repositioning of the fracture is carried out easily by following modules:

① Joint for two tubes (10-22-00) moving vertically, parallel and rotating twice 360°
② A single central screw for fixing 5 axes (see Joint tor two tubes)
③ T-piece (10-21-00), holding two movable Screwing Assemblies

Additional stability is achieved by gear-principle of the Screwing Assemblies.

D Für die Befestigung von zusätzlichen Schanz-Schrauben sind weitere Schraubenhalter als zweite oder dritte "Ebene" vorgesehen (Screwing Assembly for second level 10-50-00 oder third level 10-51-00). Befestigt man in einem Schraubenhalter nur eine Schanz-Schraube, muß eine Ausgleichshülse (Balance rod 10-50-01 oder 10-50-02) eingesetzt werden.

GB It is possible to add more screw levels by the use of extra Screwing Assemblies (Screwing Assembly for second level 10-50-00, or for third level 10-51-00).
In case only one Schanz-screw is desired in a Screwing Assembly, a balance rod (10-50-01 or 10-50-02) has to be inserted to compensate instability.

Multi-Functional solution for external fixation

Multi-F Titanium Ortho-Fixator System

Fixator Body (compression, distraction, dynamizing) **10-10-00**
Titanium

Fixator Tube
Titanium

L = 40 cm	**10- 40-00**
L = 35 cm	**10- 41-00**
L = 30 cm	**10- 42-00**
L = 25 cm	**10- 43-00**
L = 20 cm	**10- 44-00**

Fixator Jaw Complete **10-20-00**
Titanium

Fixator Single Jaw Complete **10-30-00**
Titanium

Fixator T-piece **10-21-00**
Titanium

Screwing Assembly for second level **10-50-00**
Titanium/Alu

Screwing Assembly for third level **10-51-00**
Titanium/Alu

Joint for two tubes (360°) **10-22-00**
Titanium

Screws Titanium

5x120 mm	blue	**20-01-01**
5x140 mm	blue	**20-01-02**
5x150 mm	blue	**20-01-09**
6x150 mm	gold	**20-01-06**
6x180 mm	gold	**20-01-07**
6x240 mm	gold	**20-01-08**

Screws Stainless Steel

5x120 mm	**20-02-01**
5x140 mm	**20-02-02**
6x150 mm	**20-02-06**
6x180 mm	**20-02-07**
6x240 mm	**20-02-08**

Drill for 5 mm screws

3,5 x 180 mm Titanium	blue	**20-03-01**
3,5 x 180 mm Stainless Steel		**20-04-01**

Drill for 6 mm screws

4,5 x 200 mm Titanium	gold	**20-03-05**
4,5 x 200 mm Stainless Steel		**20-04-05**

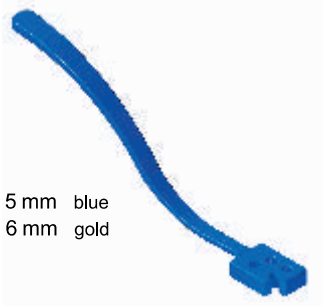
Balance rod Titanium

5 mm	blue	**10-50-01**
6 mm	gold	**10-50-02**

Key for screws **20-10-00**
Titanium

Guide for screw and drill
Titanium

For 5 mm screw	blue	**20-20-00**
For 3,5 mm drill	blue	**20-40-00**
For 6 mm screw	gold	**20-21-00**
For 4,5 mm drill	gold	**20-41-00**



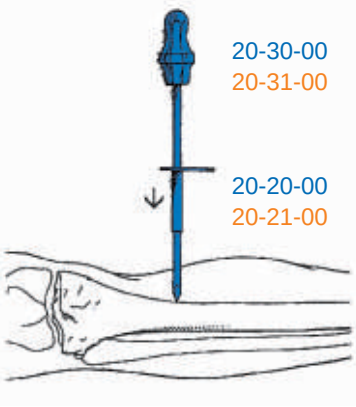
Master Guide for 5 mm blue **20-05-01**
Master Guide for 6 mm gold **20-05-02**
Titanium

Trocar
Titanium

5 mm	blue	**20-30-00**
6 mm	gold	**20-31-00**

Multi-F Insertion of Schanz-screws for external fixation

1



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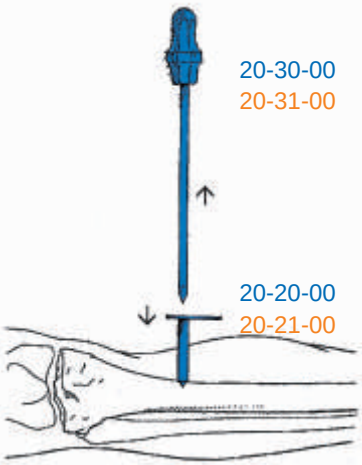

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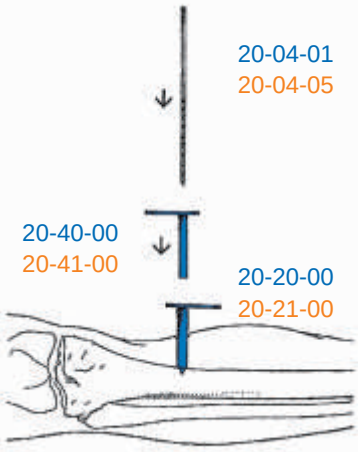

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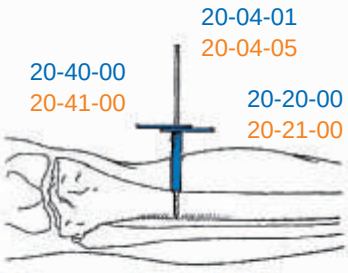

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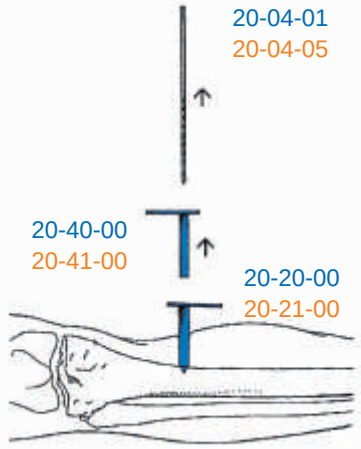

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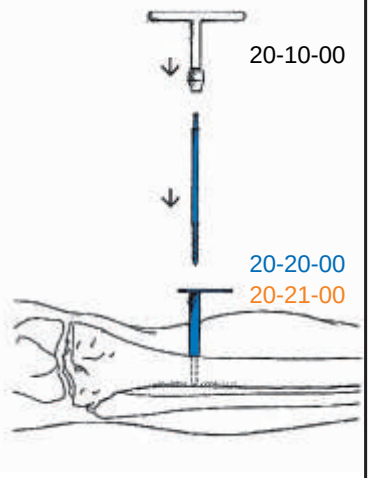

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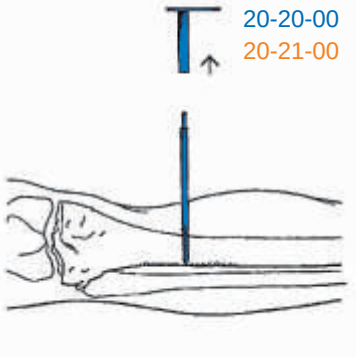
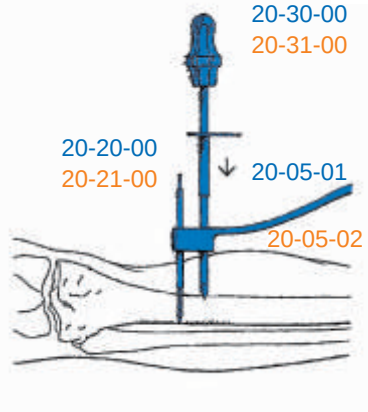


8

+2+3+4+5+6+7



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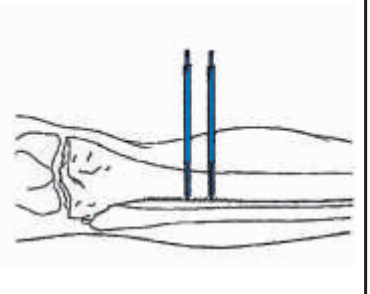


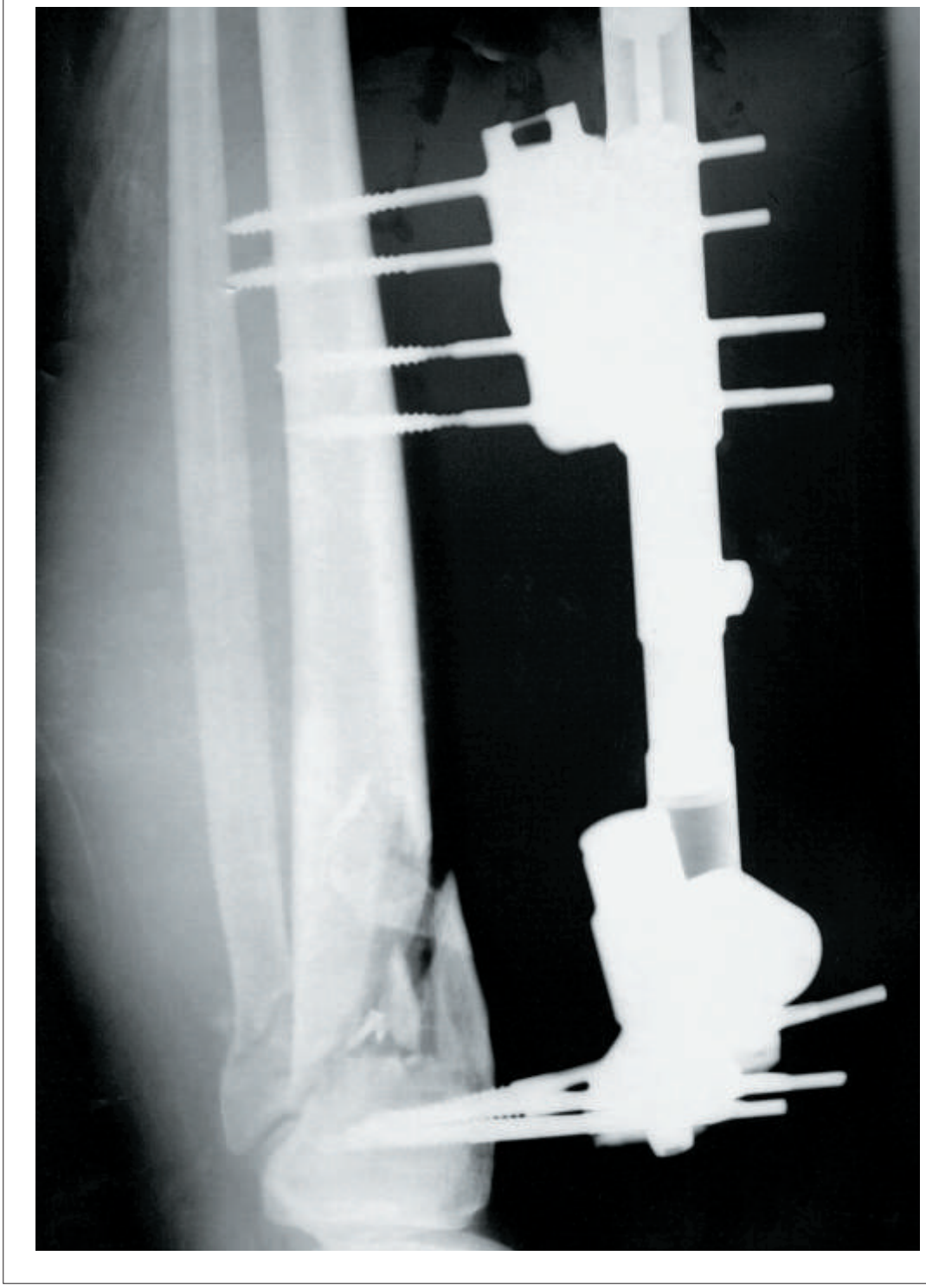
All necessary instruments for **5 mm** screws:

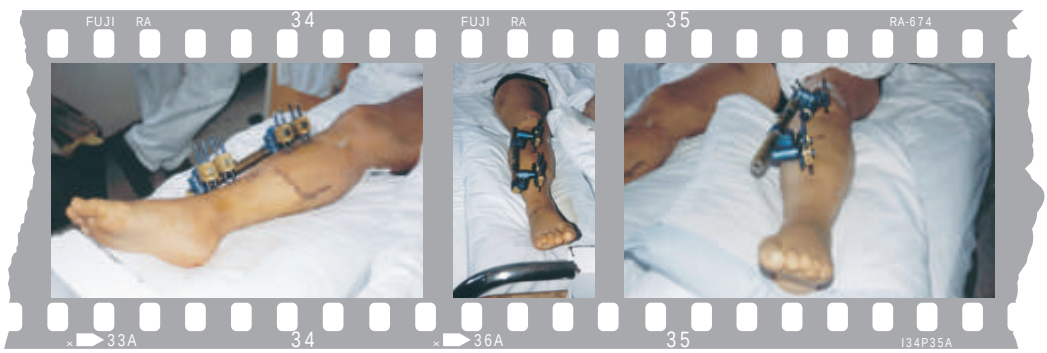
1. Trocar	20-30-00
2. Drill Guide	20-40-00
3. Screw Guide	20-20-00
4. Screwdriver	20-10-00
5. Master Guide	20-05-01

All necessary instruments for **6 mm** screws:

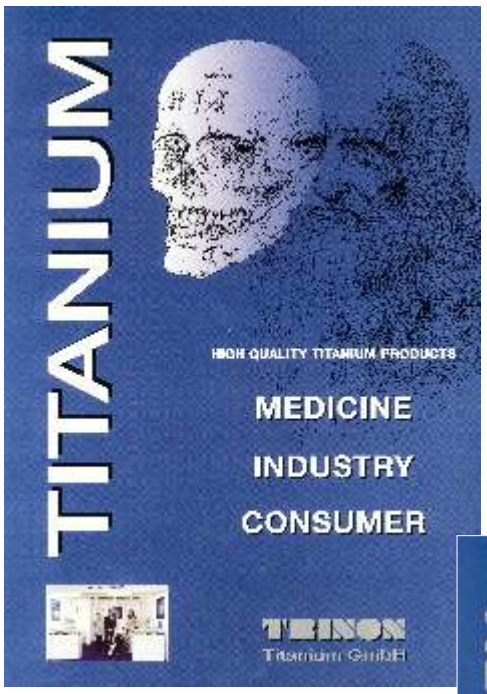
1. Trocar	20-31-00
2. Drill Guide	20-41-00
3. Screw Guide	20-21-00
4. Screwdriver	20-10-00
5. Master Guide	20-05-02

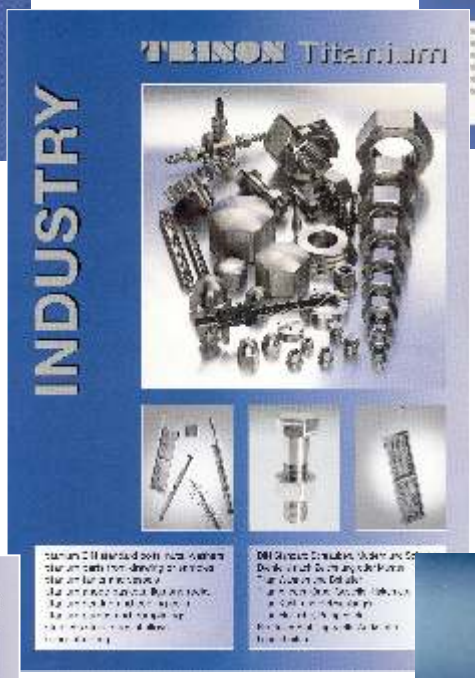
All screws and instruments are made of titanium; 5 mm in blue colour; 6 mm in golden colour





Multi-Functional solution for external fixation





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