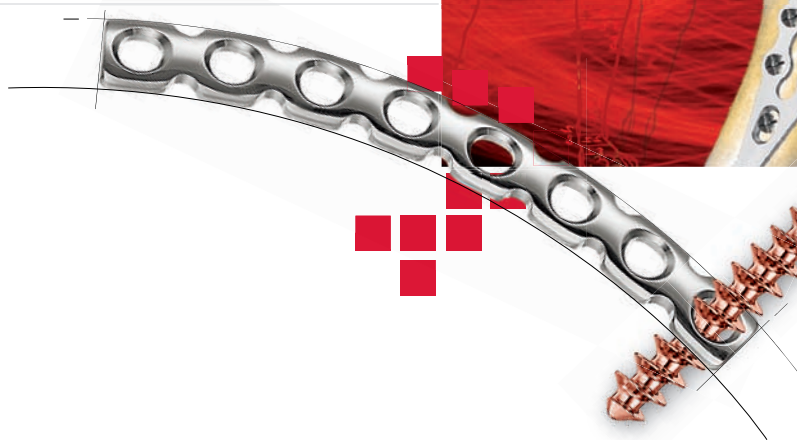
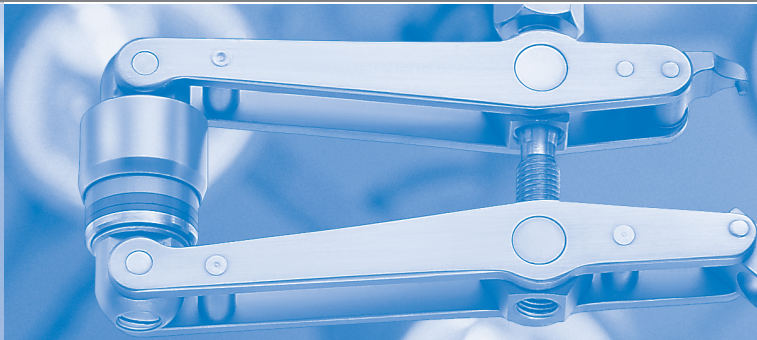


Instruments



# Orthopaedics

Orthopaedic  
Orthopaedics  
Ortopedia  
Ortopédia  
Ortopedia

  
**medicon**  
**Instrumente**  
the art of surgery

*....It all began with the founding of a colony on Planetopia....*



# ORTHOPAEDICS

## IMPLANTS AND INSTRUMENTS

*Phalanges*

Der Katalog "Orthopaedics" von Medicon bietet ein breites Spektrum an chirurgischen Instrumenten für die vielfältigen Indikationen bei der Behandlung von traumatischen Schädigungen des Knochenapparates oder Knochenfehlstellungen. Medicon liefert dafür Instrumente und Implantate -alles made in Germany- von bester Qualität unter Verwendung von international genormten hochwertigen Werkstoffen für die Orthopädie und Traumatologie.

*Humerus*

Medicon's "Orthopaedics" catalogue offers a wide range of surgical instruments for multiple indications for treatment of traumatic injuries to the bone apparatus or bone adjustments. For this purpose Medicon supplies instruments and implants -all made in Germany- of best quality using materials of international standards for Orthopaedics and Traumatology.

*Iliac spine*

El catálogo "Orthopaedics" de Medicon ofrece un espectro muy amplio de instrumentos quirúrgicos para las múltiples indicaciones en la curación de daños traumáticos del aparato óseo o mal posición de los huesos. A este fin Medicon distribuye instrumentos e implantes - todo made in Germany - de primera calidad de materia prima estandarizada según normas internacionales para la ortopedia y traumatología.

Le catalogue "Orthopaedics" de Medicon offre une large gamme d'instruments chirurgicaux permettant de traiter les dommages du squelette et d'intervenir lors d'interventions nécessitant un repositionnement osseux. Medicon délivre ainsi des instruments et des implants -tous made in Germany- de la meilleure qualité en utilisant des matériaux répondant aux normes de qualité internationales en vigueur pour l'orthopédie et la traumatologie.

*Tibial tuberosity*

Il catalogo di "Orthopaedics" della Medicon offre una ampia gamma di strumenti chirurgici per le varie indicazioni nel trattamento di lesioni traumatiche dell'apparato e delle malformazioni ossee. La Medicon fornisce per l'ortopedia e traumatologia strumenti ed impianti -tutto made in Germany- di ottima qualità utilizzando materie prime pregiate e standardizzate a livello internazionale.

*Ankle  
Calcaneus*

*Medial malleolus*

  
**Medicon**  
**Instrumente**  
the art of surgery

*made in Germany*

*It all began with the founding of a colony on Planetopia We*



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**Implants and Instruments**  
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	<p>Minifragment / Minifragment-Set komplett            Mini Fragment / Mini Fragment Set complete            Mini fragmentos / Mini fragmentos juego completo            Mini fragment / Mini fragments série complète            Mini frammenti / Mini frammenti serie completa</p>	<p>13 - 40 / 301 - 303</p>
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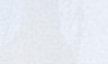
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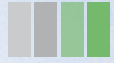
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**Vista general al sistema**  
**Aperçu général du système**  
**Visione generale del sistema**



**DHPS-PLATES**



**MINI FRAGMENT**



**TITANIUM RADIUS PLATES Y-SHAPED**



**SMALL FRAGMENT**



**LARGE FRAGMENT**



**PELVIS · RECONSTRUCTION**



**CANNULATED SCREWS**



**Hinweise**  
**Indications**  
**Indicaciones**  
**Indications**  
**Indicazioni**

Unsere Instrumenten-Abbildungen **1** ohne Angabe eines Maßstabes (zum Beispiel 1:1) haben eine Größe von 50 %. Die dazugehörigen Detailbilder **2** sind in Originalgröße (100 %) abgebildet.

All instrument illustrations **1** without scale indication (for example 1:1) show the instruments in half size (50 %). The corresponding detail drawings **2** are in original size (100 %).

Todas las ilustraciones de nuestros instrumentos **1** sin indicaciones de escala (por ejemplo 1:1) muestran el medio tamaño del original (50 %). La correspondiente imagen detallada **2**, en cambio, muestra el tamaño original (100 %).

Tous les illustrations **1** sans indication d'échelle (par exemple 1:1) montrent l'original à moitié (50 %). Les images détaillées **2** montrent l'instrument à la dimension originale (100 %).

Tutte le illustrazioni degli strumenti **1** senza indicazione di scala (per esempio 1:1) dimostrano la metà della grandezza originale (50 %). L'immagine dettagliata **2** rispetta invece le dimensioni originali (100 %).

	Vorderansicht (Schere gerade) Front view (straight scissors) Vista frontal (tijera recta) Vue de face (ciseaux droits) Vista frontale (forbice retta)	Seitenansicht (Schere gebogen) Lateral view (curved scissors) Vista lateral (tijera curva) Vue laterale (ciseaux courbes) Vista laterale (forbice curvata)	
<b>Beispiel</b> <b>Example</b> <b>Ejemplo</b> <b>Exemple</b> <b>Esempio</b>			
	<b>1</b>	<b>2</b>	<b>2</b>
	<b>supercut</b>	<b>204.32.09</b>	<b>204.33.09</b>
	<b>black line</b>	<b>214.32.09</b>	<b>214.33.09</b>
<b>Mini-Metzenbaum</b>		9 cm - 3 1/2"	9 cm - 3 1/2"
			Instrumentengröße Instrument size Tamaño del instrumento Taille des instruments Misura degli strumenti
			Artikelnummer Item number Número de artículo Numéro d'article Codice dell'articolo

	mit NOVOTEX-Kunststoffgriff (im Autoklaven sterilisierbar bis 134° C bei 3 bar) with NOVOTEX plastic handle (autoclavable up to 134° C at 3 bar) con mango plástico NOVOTEX (autoclavable hasta 134° C bajo presión de 3 bar) avec manche en matière plastique NOVOTEX (autoclavable jusqu' à 134° C sous pression de 3 bars) con manico di materia plastica NOVOTEX (autoclavabile fino a 134° C sotto pressione di 3 bar)
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	Instrumente aus Titan Titanium Instruments Instrumentos de titanio Instruments en titane Strumenti in titanio
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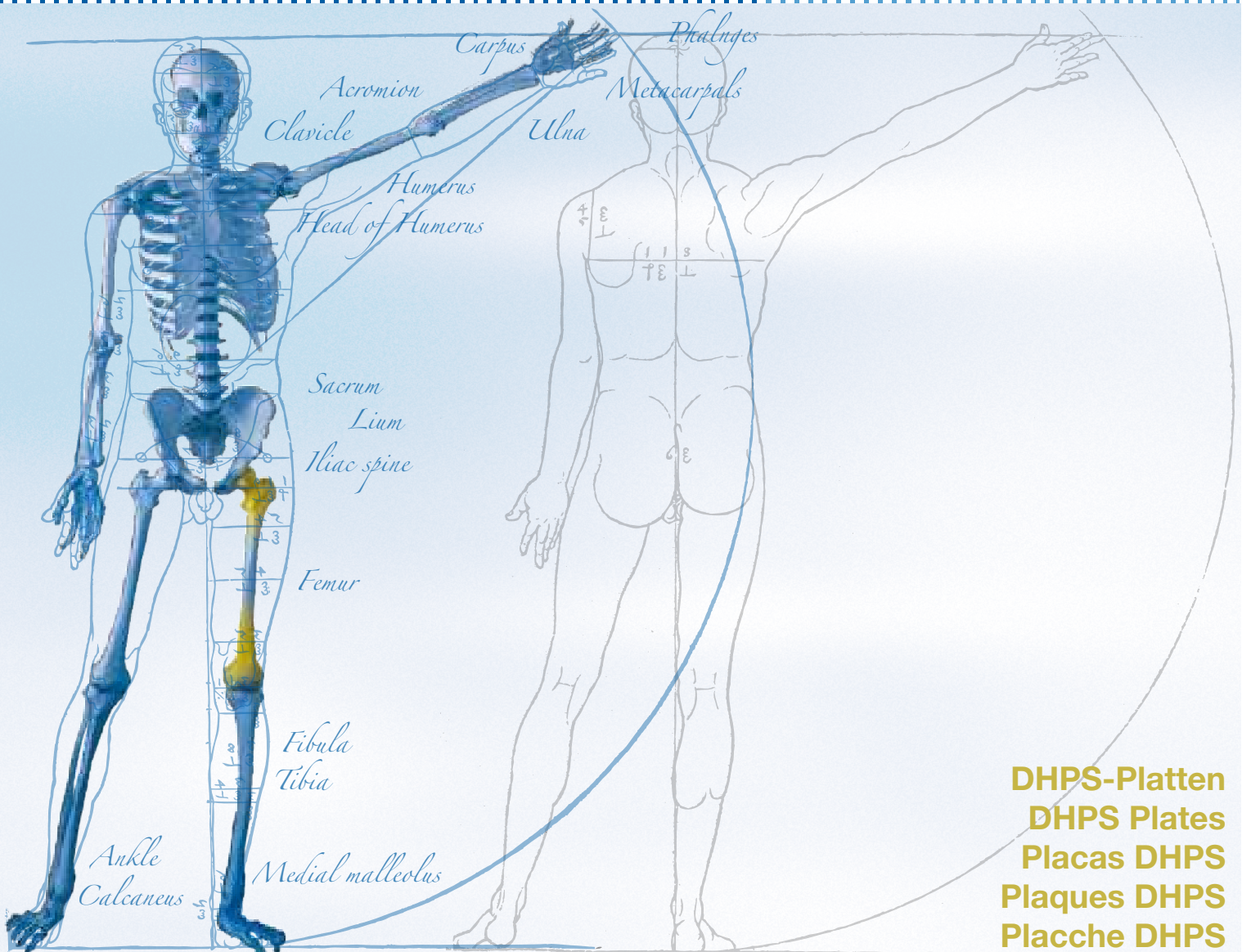
Implantate = Stahl DIN/ISO 5832-1 Steel implants acc. to DIN/ISO 5832-1 Implantes fabricados por DIN/ISO 5832-1 Implant en acier = DIN/ISO 5832-1 Impianti in acciaio = DIN/ISO 5832-1
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# ORTHO PAEDIKCS

## IMPLANTS AND INSTRUMENTS

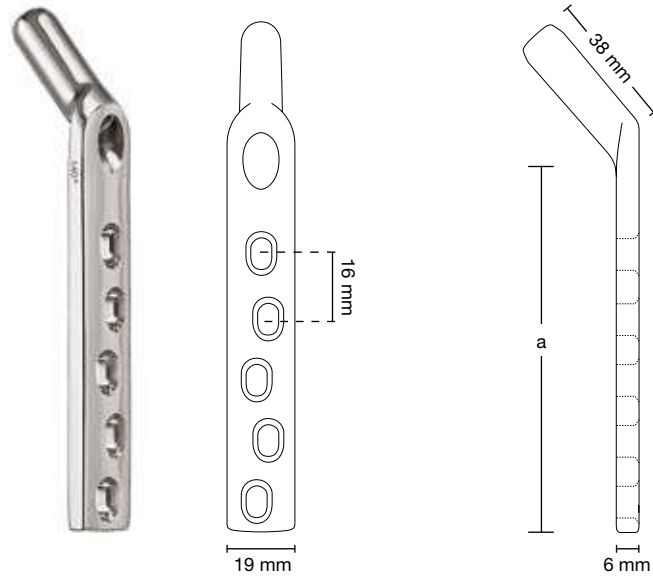


DHPS-Platten  
DHPS Plates  
Placas DHPS  
Plaques DHPS  
Placche DHPS

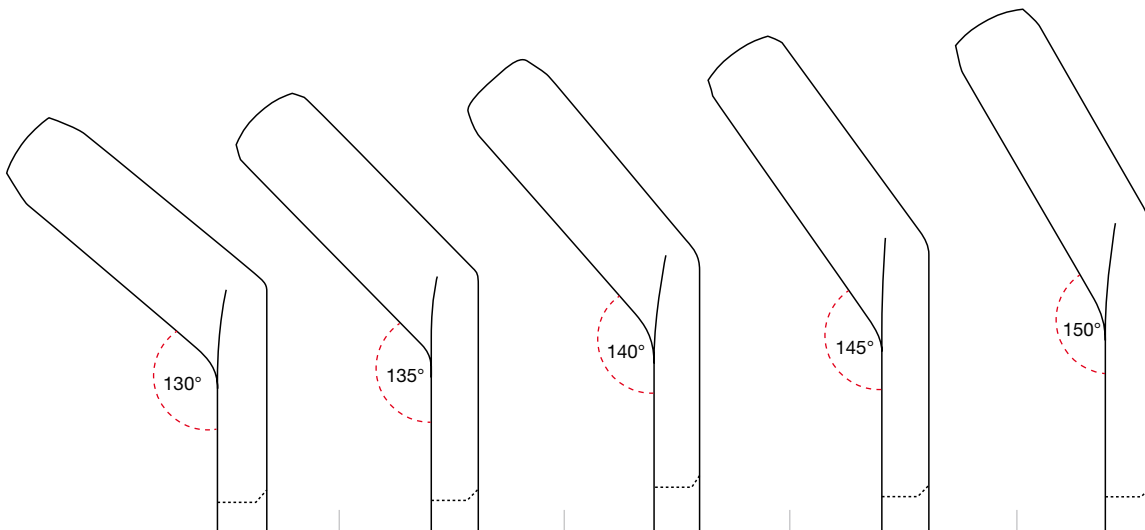




**DHPS-Platten**  
**DHPS Plates**  
**Placas DHPS**  
**Plaques DHPS**  
**Placche DHPS**



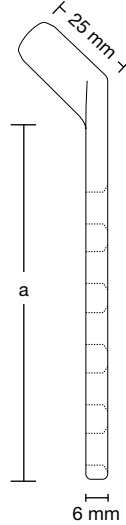
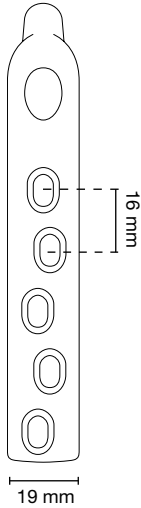
Zylinderlänge 38 mm  
 Length of cylinder 38 mm  
 Largo de cilindro 38 mm  
 Longueur de cylindre 38 mm  
 Lunghezza del cilindro 38 mm



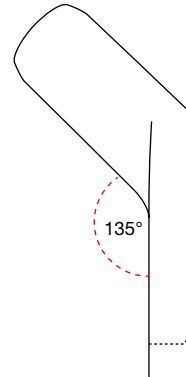
					a	(x)
<b>708.30.02</b>	<b>708.35.02</b>	<b>708.40.02</b>	<b>708.45.02</b>	<b>708.50.02</b>	46 mm	2
<b>708.30.03</b>	<b>708.35.03</b>	<b>708.40.03</b>	<b>708.45.03</b>	<b>708.50.03</b>	62 mm	3
<b>708.30.04</b>	<b>708.35.04</b>	<b>708.40.04</b>	<b>708.45.04</b>	<b>708.50.04</b>	78 mm	4
<b>708.30.05</b>	<b>708.35.05</b>	<b>708.40.05</b>	<b>708.45.05</b>	<b>708.50.05</b>	94 mm	5
<b>708.30.06</b>	<b>708.35.06</b>	<b>708.40.06</b>	<b>708.45.06</b>	<b>708.50.06</b>	110 mm	6
<b>708.30.08</b>	<b>708.35.08</b>	<b>708.40.08</b>	<b>708.45.08</b>	<b>708.50.08</b>	142 mm	8
<b>708.30.10</b>	<b>708.35.10</b>	<b>708.40.10</b>	<b>708.45.10</b>	<b>708.50.10</b>	174 mm	10
<b>708.30.12</b>	<b>708.35.12</b>	<b>708.40.12</b>	<b>708.45.12</b>	<b>708.50.12</b>	206 mm	12
<b>708.30.14</b>	<b>708.35.14</b>	<b>708.40.14</b>	<b>708.45.14</b>	<b>708.50.14</b>	238 mm	14

Anzahl der Löcher  
 Number of holes  
 (x) Número de los orificios  
 Nombre de trous  
 Numero di fori



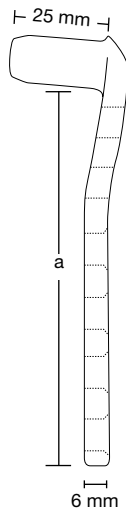
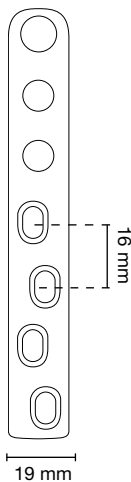


Zylinderlänge 25 mm  
 Length of cylinder 25 mm  
 Largo de cilindro 25 mm  
 Longueur de cylindre 25 mm  
 Lunghezza del cilindro 25 mm

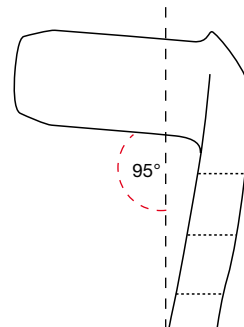


	a	(X)
<b>708.25.04</b>	78 mm	4
<b>708.25.05</b>	94 mm	5
<b>708.25.06</b>	110 mm	6

**Suprakondyläre Platten**  
**Supra condilar plates**  
**Placas supra condilares**  
**Plaques supra-condilaires**  
**Placche supra condilare**



Zylinderlänge 25 mm  
 Length of cylinder 25 mm  
 Largo de cilindro 25 mm  
 Longueur de cylindre 25 mm  
 Lunghezza del cilindro 25 mm



	a	(X)
<b>708.95.06</b>	112 mm	6
<b>708.95.08</b>	144 mm	8
<b>708.95.10</b>	176 mm	10
<b>708.95.12</b>	208 mm	12
<b>708.95.14</b>	240 mm	14
<b>708.95.16</b>	272 mm	16

Anzahl der Löcher  
 Number of holes  
 Número de los orificios  
 Nombre de trous  
 Numero di fori



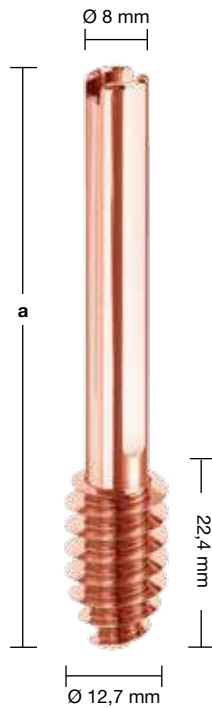


**DHPS-Schrauben**  
**DHPS Screws**  
**Tornillos DHPS**  
**Vis DHPS**  
**Viti DHPS**



1:1

Zugschrauben  
 Traction screws  
 Tornillos de tracción  
 Vis à traction  
 Viti di trazione

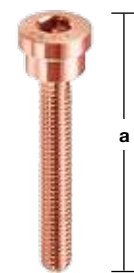


	a
<b>708.00.01</b>	50 mm
<b>708.00.02</b>	55 mm
<b>708.00.03</b>	60 mm
<b>708.00.04</b>	65 mm
<b>708.00.05</b>	70 mm
<b>708.00.06</b>	75 mm
<b>708.00.07</b>	80 mm
<b>708.00.08</b>	85 mm
<b>708.00.09</b>	90 mm
<b>708.00.10</b>	95 mm
<b>708.00.11</b>	100 mm
<b>708.00.12</b>	105 mm
<b>708.00.13</b>	110 mm
<b>708.00.14</b>	115 mm
<b>708.00.15</b>	120 mm
<b>708.00.16</b>	125 mm
<b>708.00.17</b>	130 mm
<b>708.00.18</b>	135 mm
<b>708.00.19</b>	140 mm
<b>708.00.20</b>	145 mm



1:1

Kompressionsschraube  
 Compression screw  
 Tornillo para compresión  
 Vis à compression  
 Vite di compressione



	a
<b>708.00.00</b>	36 mm

▶ Weitere Knochenschrauben für DHPS-Platten – 4,5 mm Kortikalis und 6,5 mm Spongiosa siehe Seiten 71 - 73  
 Further bone screws for DHPS plates – 4,5 mm cortical and 6,5 mm spongiosa see page 71 - 73  
 Tornillos para huesos para placas DHPS – 4,5 mm cortical y 6,5 mm esponjosa veáse página 71 - 73  
 Des vis à os pour les plaques DHPS – 4,5 mm corticales et 6,5 mm spongieuses voir page 71 - 73  
 Altre viti per ossa per le placche DHPS – 4,5 mm corticale e 6,5 mm spongiosa vedete a pagina 71 - 73





Zielgerät  
 Drill guide  
 Aparato de punteria  
 Guide  
 Mirino

justierbar  
 adjustable  
 ajustable  
 ajustable  
 aggiustabile

**708.01.00**



Zielgeräte  
 Drill guides  
 Aparatos de punteria  
 Guides  
 Mirini



<b>708.01.01</b>	130°
<b>708.01.02</b>	135°
<b>708.01.03</b>	140°
<b>708.01.04</b>	145°
<b>708.01.05</b>	150°



Zielgerät  
 Drill guide  
 Aparato de punteria  
 Guide  
 Mirino

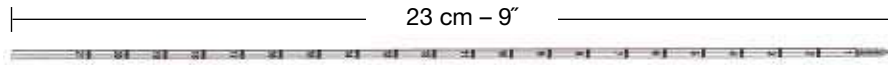
für suprakondyläre Platten  
 for supra condilar plates  
 para placas supra condilares  
 pour plaques supra-condilaires  
 per placche supra condilare

**708.01.06**

95°



**DHPS-Instrumentarium**  
**DHPS Instrumentation**  
**Instrumental DHPS**  
**Instruments DHPS**  
**Strumenti DHPS**



Führungsdraht  
Guide wire  
Hilo conductor  
Guide broche  
Filo guida

	Ø
<b>708.01.07</b>	2,5 mm



Direktes Messgerät  
Direct measuring device  
Instrumento para medir  
Instrument mesure directe  
Strumento per misurazione

<b>708.01.08</b>	
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Dreistufenbohrer  
Three-step reamer  
Broca tres escalones  
Triple foret  
Perforatore a tre livelli

<b>708.01.09</b>	
------------------	--

für Standard DHPS-Platten  
for standard DHPS plates  
para placas estándar DHPS  
pour plaques standard DHPS  
per placche standard DHPS

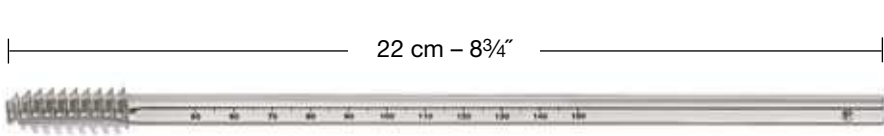


Dreistufenbohrer  
Three-step reamer  
Broca de tres escalones  
Triple foret  
Perforatore a tre livelli

<b>708.01.10</b>	
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für Suprakondylär DHPS-Platten  
for supra condilar DHPS plates  
para placas supra condilares DHPS  
pour plaques supra condilaires DHPS  
per placche supra condilare DHPS





Gewindeschneider  
 Tap  
 Roscador  
 Taraud  
 Filettatore

	Ø
<b>708.01.11</b>	12,5 mm



T-Griff, groß, mit Schnellkupplung  
 T-Handle, large, with quick coupling  
 Mango en T, grande, con acoplamiento rápido  
 Manche en T, large, avec accouplement rapide  
 Manico a T, grande, con accoppiamento rapido

<b>708.01.12</b>	
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Zentrierhülse, kurz  
 Centering sleeve, short  
 Vaina para centrar, corta  
 Douille pour centrer, courte  
 Boccia di centraggio, corta

<b>708.01.17</b>	
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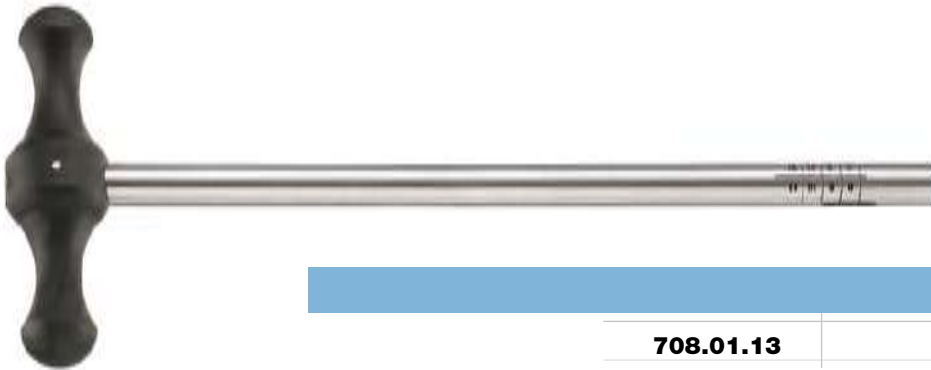


**DHPS-Instrumentarium**  
**DHPS Instrumentation**  
**Instrumental DHPS**  
**Instruments DHPS**  
**Strumenti DHPS**



Zentrierhülse, lang  
Centering sleeve, long  
Vaina para centrar, grande  
Douille pour centrer, longue  
Boccola di centraggio, lunga

**708.01.18**



Schlüssel mit T-Griff für DHPS-Schrauben  
Wrench with T-handle for DHPS-screws  
Llave con mango en T para tornillos DHPS  
Clé avec manche en T pour vis DHPS  
Chiave con manico a T per viti DHPS

**708.01.13**



Verbindungsschraube, lang  
Coupling screw, long  
Tornillo de conexión, grande  
Vis de jonction, longue  
Vite di raccordo, lunga

**708.01.16**





Verbindungsschraube, kurz  
Coupling screw, short  
Tornillo de conexion, corto  
Vis de jonction, courte  
Vite di raccordo, corta

**708.01.14**



Führungsschaft  
Guide shaft  
Vaina de guía  
Tige guide  
Guida

**708.01.15**



Einschlaginstrument  
Impactor  
Impactor  
Impacteur  
Introduttore

**708.01.19**



**DHPS-Instrumentarium**  
**DHPS Instrumentation**  
**Instrumental DHPS**  
**Instruments DHPS**  
**Strumenti DHPS**



Bohrer mit Schnellkupplung  
 Drills with quick coupling  
 Brocas con acoplamiento rápido  
 Forets avec accouplement rapide  
 Perforatori con accoppiamento rapido

	a	Ø
<b>709.30.23</b>	75 mm	2,0 mm
<b>711.30.18</b>	120 mm	3,2 mm
<b>711.30.20</b>	120 mm	4,5 mm



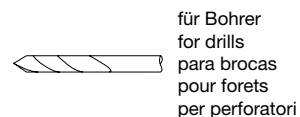
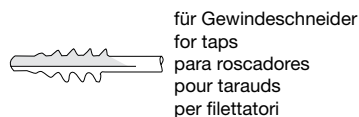
Gewindeschneider  
 Taps  
 Roscadores  
 Tarauds  
 Filettatori

	Ø
für Kortikalisschrauben for cortical screws para tornillos corticales pour vis corticales per viti corticalis	<b>711.30.29</b> 4,5 mm
	<b>711.30.30</b> 6,5 mm



Doppelbohrbuchse  
 Double drill sleeve  
 Casquillo de taladrar doble  
 Double douille de forage  
 Centrapunta doppia

<b>711.30.09</b>	Ø 6,5 mm	Ø 3,2 mm
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Universalbohrbuchse  
 Universal drill sleeve  
 Casquillo de taladrar universal  
 Douille de forage universel  
 Centrapunta universale



**711.30.10**    Ø 4,5 mm    Ø 3,2 mm



T-Griff, klein, mit Schnellkupplung  
 T-Handle, small, with quick coupling  
 Mango en T, pequeño con acoplamiento rápido  
 Manche en T, petit avec accouplement rapide  
 Manico a T, piccolo, con accoppiamento rapido

**711.30.12**

3,5 mm



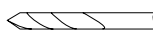
Schraubendreher Sechskant  
 Screwdriver hexagonal  
 Atornillador hexagonal  
 Tournevis hexagonal  
 Cacciavite esagonale

**NOVOTEX**

**711.30.15**    24,5 cm - 9¾"



für Gewindeschneider  
 for taps  
 para roscadores  
 pour tarauds  
 per filettatori



für Bohrer  
 for drills  
 para brocas  
 pour forets  
 per perforatori



Haltehülse  
Holding sleeve  
Vaina  
Douille  
Boccola

für Schrauben Ø 4,5 / 6,5 / 7,0 mm  
for screws Ø 4,5 / 6,5 / 7,0 mm  
para tornillos Ø 4,5 / 6,5 / 7,0 mm  
pour vis Ø 4,5 / 6,5 / 7,0 mm  
per viti Ø 4,5 / 6,5 / 7,0 mm

**711.30.17**



Schraubenhaltepinzette  
Screw holding forceps  
Pinza para agarrar tornillos  
Pince pour tenir les vis  
Pinza per tenere viti

**709.30.40**



Tiefenmessgerät, groß  
Depth gauge, large  
Medidor de profundidad, grande  
Jauge de profondeur, grand  
Strumento per misurare la profondità, grande

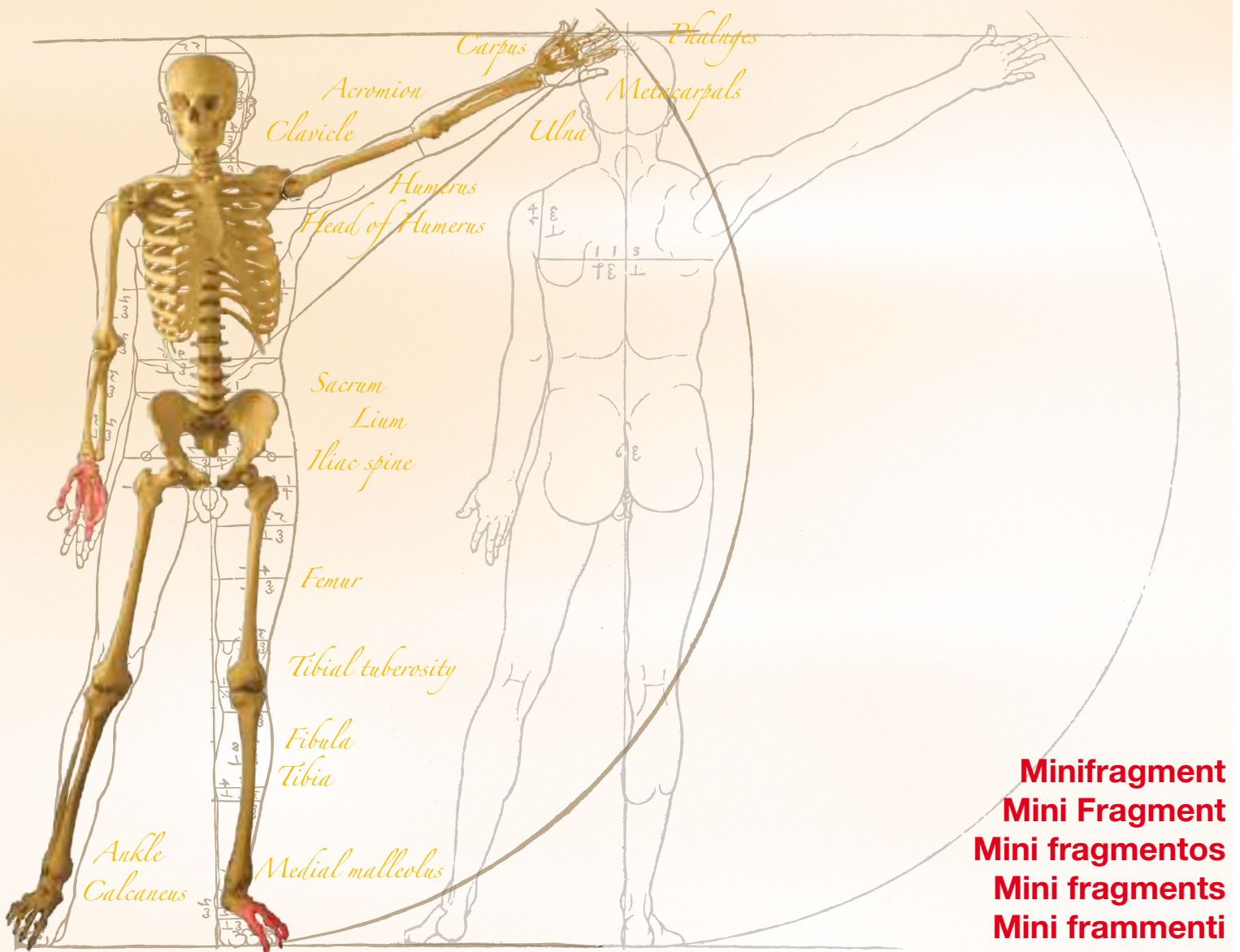
für Schrauben Ø 4,5 / 6,5 mm  
for screws Ø 4,5 / 6,5 mm  
para tornillos Ø 4,5 / 6,5 mm  
pour vis Ø 4,5 / 6,5 mm  
per viti Ø 4,5 / 6,5 mm

**711.30.06**



# ORTHO PAEDICS

## IMPLANTS AND INSTRUMENTS

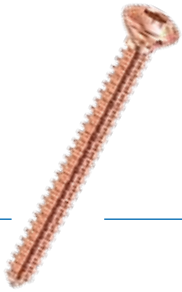


**Minifragment**  
**Mini Fragment**  
**Mini fragmentos**  
**Mini fragments**  
**Mini frammenti**

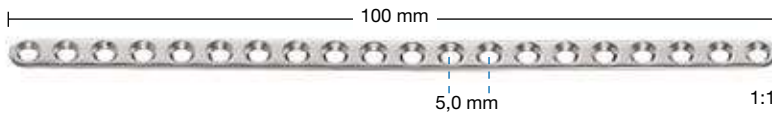


**Minifragmentplatten**  
**Mini Fragment Plates**  
**Placas para mini fragmentos**  
**Plaques pour mini fragments**  
**Placche per mini frammenti**

**1.5**

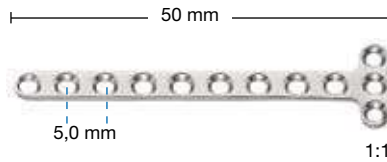


für Kortikalisschrauben **1,5 mm**  
 for cortical screws **1,5 mm**  
 para tornillos corticales **1,5 mm**  
 pour vis corticales **1,5 mm**  
 per viti corticalis **1,5 mm**



Kompressionsplatte  
 Compression plate  
 Placa de compresion  
 Plaque de compression  
 Placca di compressione

	<b>709.00.20</b>	(20)
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T-Platten  
 T-Plates  
 T-Placas  
 T-Plaques  
 T-Placche

	b	
<b>709.01.02</b>	12 mm	(9) × (3)
<b>709.01.03</b>	16 mm	(9) × (4)



H-Platte  
 H-Plate  
 H-Placa  
 H-Plaque  
 H-Placca

	<b>709.02.04</b>	(4)
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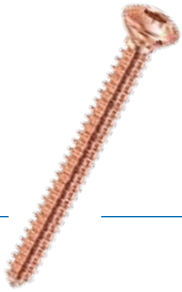
▼ Plattendicke  
 Thickness of plates  
 x Grosor de las placas  
 ▲ Epaisseur des plaques  
 Spessore delle placche

▢ Plattenbreite  
 Width of plates  
 x Ancho de la placa  
 ▢ Largeur des plaques  
 Larghezza delle placche

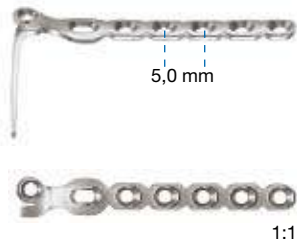
(x) Anzahl der Löcher  
 Number of holes  
 x Número de los orificios  
 (x) Nombre de trous  
 Numero di fori



**Minifragmentplatten**  
**Mini Fragment Plates**  
**Placas para mini fragmentos**  
**Plaques pour mini fragments**  
**Placche per mini frammenti**

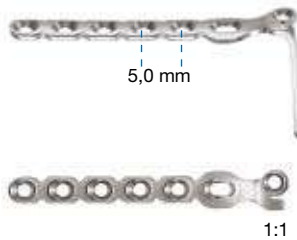


für Kortikalisschrauben **1,5 mm**  
 for cortical screws **1,5 mm**  
 para tornillos corticales **1,5 mm**  
 pour vis corticales **1,5 mm**  
 per viti corticalis **1,5 mm**



Kondylenplatte  
 Condylar plate  
 Placa condilar  
 Plaque condyilaire  
 Placca condilica

	<b>709.03.05</b>	<span style="border: 1px solid black; border-radius: 50%; padding: 2px;">6</span>
Stift links Pin left Pin izquierda Pointe gauche Perno sinistra		



Kondylenplatte  
 Condylar plate  
 Placa condilar  
 Plaque condyilaire  
 Placca condilica

	<b>709.03.06</b>	<span style="border: 1px solid black; border-radius: 50%; padding: 2px;">6</span>
Stift rechts Pin right Pin derecha Pointe droite Perno destra		

Plattendicke  
 Thickness of plates  
 Grosor de las placas  
 Epaisseur des plaques  
 Spessore delle placche

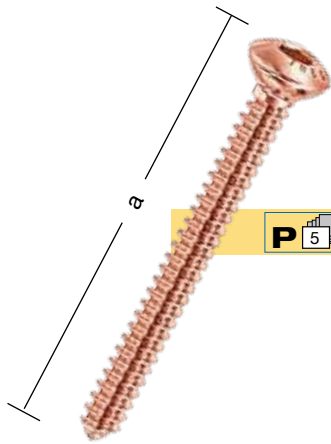
Plattenbreite  
 Width of plates  
 Ancho de la placa  
 Largeur des plaques  
 Larghezza delle placche

Anzahl der Löcher  
 Number of holes  
 Número de los orificios  
 Nombre de trous  
 Numero di fori



**Minifragmentplatten**  
**Mini Fragment Plates**  
**Placas para mini fragmentos**  
**Plaques pour mini fragments**  
**Placche per mini frammenti**

**1.5**

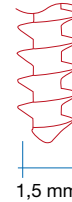


Kortikalisschrauben **1,5 mm**  
 Cortical screws **1,5 mm**  
 Tornillos corticales **1,5 mm**  
 Vis corticales **1,5 mm**  
 Viti corticalis **1,5 mm**



a

<b>709.15.01</b>	6 mm
<b>709.15.02</b>	7 mm
<b>709.15.03</b>	8 mm
<b>709.15.04</b>	9 mm
<b>709.15.05</b>	10 mm
<b>709.15.06</b>	11 mm
<b>709.15.07</b>	12 mm
<b>709.15.08</b>	14 mm
<b>709.15.09</b>	16 mm
<b>709.15.10</b>	18 mm
<b>709.15.11</b>	20 mm



Bohrer für Gewindeloch 1,1 mm siehe Seite 27  
 Drills for threaded hole 1,1 mm see page 27  
 Brocas para orificio roscado 1,1 mm vea la página 27  
 Forets pour trou fileté de 1,1 mm voir page 27  
 Perforatori per foro filettato 1,1 mm vedi pagina 27

Gewindeschneider 1,5 mm siehe Seite 27  
 Taps 1,5 mm see page 27  
 Roscadores 1,5 mm veáse página 27  
 Tarauds 1,5 mm voir page 27  
 Filettatori 1,5 mm vedete pagina 27

Bohrer für Gleitloch 1,5 mm siehe Seite 27  
 Drills for sliding hole 1,5 mm see page 27  
 Brocas para orificio de deslizamiento 1,5 mm vea la página 27  
 Forets pour trou lisse de 1,5 mm voir page 27  
 Perforatori per foro di scorrimento 1,5 mm vedi pagina 27



Unterlegscheibe für Kortikalisschrauben 1,5 mm  
 Washer for cortical screws 1,5 mm  
 Arandela para tornillos corticales 1,5 mm  
 Rondelle pour vis corticales 1,5 mm  
 Rondella per viti corticalis 1,5 mm



**709.00.00**



Verpackungseinheit "X" Stück  
 Packing unit "X" pieces  
 Paquete de "X" unidades  
 Emballage de "X" pièces  
 Confezione da "X" pezzi



Plattendicke  
 Thickness of plates  
 Grosor de las placa  
 Epaisseur des plaques  
 Spessore delle placche



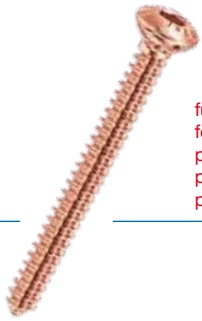
Plattenbreite  
 Width of plates  
 Ancho de la placa  
 Largeur des plaques  
 Larghezza della placche



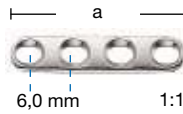
Anzahl der Löcher  
 Number of holes  
 Número de los orificios  
 Nombre de trous  
 Numero di fori



**Minifragmentplatten**  
**Mini Fragment Plates**  
**Placas para mini fragmentos**  
**Plaques pour mini fragments**  
**Placche per mini frammenti**

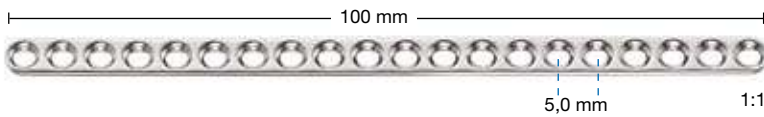


für Kortikalisschrauben **2,0 mm**  
 for cortical screws **2,0 mm**  
 para tornillos corticales **2,0 mm**  
 pour vis corticales **2,0 mm**  
 per viti corticalis **2,0 mm**



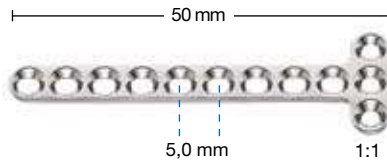
Kompressionsplatten  
 Compression plates  
 Placas de compression  
 Plaques de compression  
 Placche di compressione

	1,0 mm	5,0 mm	a	
<b>709.04.03</b>			17 mm	③
<b>709.04.04</b>			22 mm	④
<b>709.04.05</b>			27 mm	⑤
<b>709.04.06</b>			32 mm	⑥



Kompressionsplatte  
 Compression plate  
 Placa de compression  
 Plaque de compression  
 Placca di compressione

	1,0 mm	5,0 mm		
<b>709.04.20</b>				⑳



T-Platten  
 T-Plates  
 T-Placas  
 T-Plaques  
 T-Placche

	1,2 mm	5,0 mm	b	
<b>709.05.00</b>			15 mm	⑨ × ③
<b>709.05.01</b>			20 mm	⑨ × ④

▼  
 x  
 ▲  
 Plattendicke  
 Thickness of plates  
 Grosor de las placas  
 Epaisseur des plaques  
 Spessore delle placche

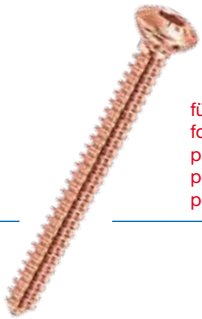
◀ x ▶  
 Plattenbreite  
 Width of plates  
 Ancho de la placa  
 Largeur des plaques  
 Larghezza delle placche

⊗  
 Anzahl der Löcher  
 Number of holes  
 Número de las agujeros  
 Nombre de trous  
 Numero di fori

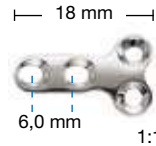


**Minifragmentplatten**  
**Mini Fragment Plates**  
**Placas para mini fragmentos**  
**Plaques pour mini fragments**  
**Placche per mini frammenti**

**2.0**



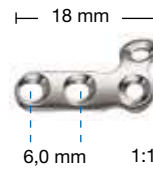
für Kortikalisschrauben **2,0 mm**  
 for cortical screws **2,0 mm**  
 para tornillos corticales **2,0 mm**  
 pour vis corticales **2,0 mm**  
 per viti corticalis **2,0 mm**



T-Platte  
 T-Plate  
 T-Placa  
 T-Plaque  
 T-Placca

1,2 mm 5,0 mm

**709.05.02** (2)

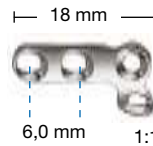


L-Platte 90°  
 L-Plate 90°  
 L-Placa 90°  
 L-Plaque 90°  
 L-Placca 90°

1,0 mm 5,0 mm

links  
 left  
 izquierda  
 gauche  
 sinistra

**709.06.00** (2)



L-Platte 90°  
 L-Plate 90°  
 L-Placa 90°  
 L-Plaque 90°  
 L-Placca 90°

1,0 mm 5,0 mm

rechts  
 right  
 derecha  
 droit  
 destra

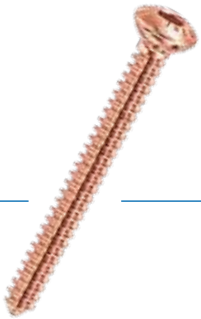
**709.06.01** (2)

▼ Plattendicke  
 Thickness of plates  
 x Grosor de las placa  
 ▲ Epaisseur des plaques  
 Spessore delle placche

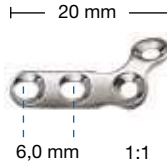
▢ Plattenbreite  
 Width of plates  
 x Ancho de la placa  
 ▢ Largueur des plaques  
 Larghezza delle placche

(x) Anzahl der Löcher  
 Number of holes  
 x Número de los orificios  
 (x) Nombre de trous  
 Numero di fori

**Minifragmentplatten**  
**Mini Fragment Plates**  
**Placas para mini fragmentos**  
**Plaques pour mini fragments**  
**Placche per mini frammenti**



für Kortikalisschrauben **2,0 mm**  
 for cortical screws **2,0 mm**  
 para tornillos corticales **2,0 mm**  
 pour vis corticales **2,0 mm**  
 per viti corticalis **2,0 mm**



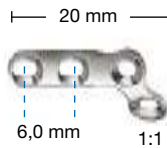
L-Platte schräg  
 L-Plate oblique  
 L-Placa oblicua  
 L-Plaque oblique  
 L-Placca obliqua



links  
 left  
 izquierda  
 gauche  
 sinistra

**709.07.00**

②



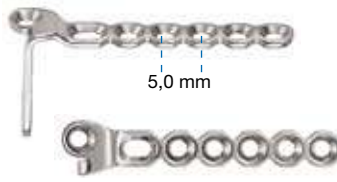
L-Platte schräg  
 L-Plate oblique  
 L-Placa oblicua  
 L-Plaque oblique  
 L-Placca obliqua



rechts  
 right  
 derecha  
 droit  
 destra

**709.07.01**

②



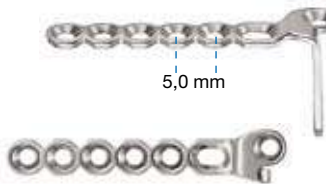
Kondylenplatte  
 Condylar plate  
 Placa condilar  
 Plaque condyilaire  
 Placca condilica



Stift links  
 Pin left  
 Pin izquierda  
 Pointe gauche  
 Perno sinistra

**709.08.00**

⑥



Kondylenplatte  
 Condylar plate  
 Placa condilar  
 Plaque condyilaire  
 Placca condilica



Stift rechts  
 Pin right  
 Pin derecha  
 Pointe droit  
 Perno destra

**709.08.01**

⑥

▼  
 x  
 ▲  
 Plattendicke  
 Thickness of plates  
 Grosor de las placa  
 Epaisseur des plaques  
 Spessore delle placche

▶ x ◀  
 Plattenbreite  
 Width of plates  
 Ancho de la placa  
 Largeur des plaques  
 Larghezza delle placche

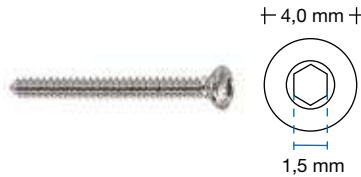
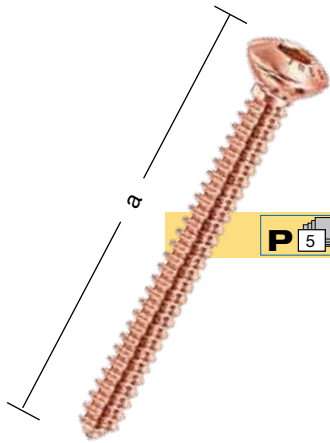
⊗  
 Anzahl der Löcher  
 Number of holes  
 Número de los orificios  
 Nombre de trous  
 Numero di fori





**Minifragmentplatten**  
**Mini Fragment Plates**  
**Placas para mini fragmentos**  
**Plaques pour mini fragments**  
**Placche per mini frammenti**

**2.0**

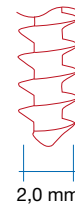


Kortikalisschrauben **2,0 mm**  
 Cortical screws **2,0 mm**  
 Tornillos corticales **2,0 mm**  
 Vis corticales **2,0 mm**  
 Viti corticalis **2,0 mm**



a

<b>709.20.01</b>	6
<b>709.20.02</b>	8
<b>709.20.03</b>	10
<b>709.20.04</b>	12
<b>709.20.05</b>	14
<b>709.20.06</b>	16
<b>709.20.07</b>	18
<b>709.20.08</b>	20
<b>709.20.09</b>	22
<b>709.20.10</b>	24
<b>709.20.11</b>	26
<b>709.20.12</b>	28
<b>709.20.13</b>	30
<b>709.20.14</b>	32
<b>709.20.15</b>	34
<b>709.20.16</b>	36
<b>709.20.17</b>	38



2,0 mm



1,3 mm

Bohrer für Gewindeloch 1,5 mm siehe Seite 27  
 Drills for threaded hole 1,5 mm see page 27  
 Brocas para orificio roscado 1,5 mm vea la página 27  
 Forets pour trou fileté de 1,5 mm voir page 27  
 Perforatori per foro filettato 1,5 mm vedi pagina 27

Gewindeschneider 2,0 mm siehe Seite 27  
 Taps 2,0 mm see page 27  
 Roscadores 2,0 mm veáse página 27  
 Tarauds 2,0 mm voir page 27  
 Filettatori 2,0 mm vedete pagina 27

Bohrer für Gleitloch 2,0 mm siehe Seite 27  
 Drills for sliding hole 2,0 mm see page 27  
 Brocas para orificio de deslizamiento 2,0 mm vea la página 27  
 Forets pour trou lisse de 2,0 mm voir page 27  
 Perforatori per foro di scorrimento 2,0 mm vedi pagina 27



2:1

Unterlegscheibe für Kortikalisschrauben 2,0 mm  
 Washer for cortical screws 2,0 mm  
 Arandela para tornillos corticales 2,0 mm  
 Rondelle pour vis corticales 2,0 mm  
 Rondella per viti corticalis 2,0 mm

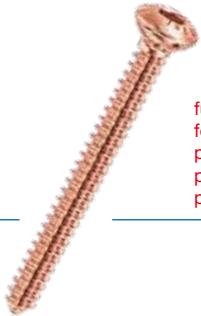


**709.00.00**

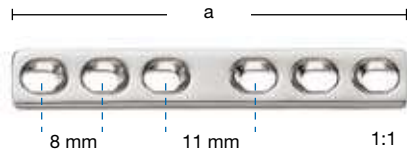


Verpackungseinheit "X" Stück  
 Packing unit "X" pieces  
 Paquete de "X" unidades  
 Emballage de "X" pièces  
 Confezione da "X" pezzi

**Minifragmentplatten**  
**Mini Fragment Plates**  
**Placas para mini fragmentos**  
**Plaques pour mini fragments**  
**Placche per mini frammenti**

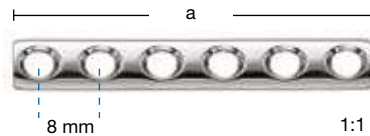
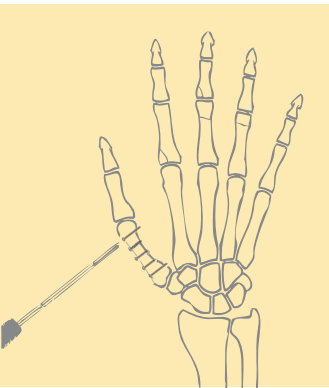


für Kortikalisschrauben **2,7 mm**  
 for cortical screws **2,7 mm**  
 para tornillos corticales **2,7 mm**  
 pour vis corticales **2,7 mm**  
 per viti corticalis **2,7 mm**



Kompressionsplatten  
 Compression plates  
 Placas de compression  
 Plaques de compression  
 Placche di compressione

	2,0 / 2,5 mm	8,0 mm	a	
<b>709.09.02</b>	2,0 mm	20 mm	②	
<b>709.09.04</b>	2,0 mm	36 mm	④	
<b>709.09.05</b>	2,0 mm	44 mm	⑤	
<b>709.09.06</b>	2,0 mm	52 mm	⑥	
<b>709.09.07</b>	2,5 mm	60 mm	⑦	
<b>709.09.08</b>	2,5 mm	68 mm	⑧	
<b>709.09.09</b>	2,5 mm	76 mm	⑨	
<b>709.09.10</b>	2,5 mm	84 mm	⑩	
<b>709.09.12</b>	2,5 mm	100 mm	⑫	



Viertelrohrplatten  
 Quarter tubular plates  
 Placas 1/4 tubo  
 Plaques quart tubulaire  
 Placche 1/4 tubolare

	1,0 mm	7,0 mm	a	
<b>709.10.03</b>	23 mm	③		
<b>709.10.04</b>	31 mm	④		
<b>709.10.05</b>	39 mm	⑤		
<b>709.10.06</b>	47 mm	⑥		
<b>709.10.07</b>	55 mm	⑦		
<b>709.10.08</b>	63 mm	⑧		

▼  
x  
▲  
Plattendicke  
Thickness of plates  
Grosor de las placa  
Epaisseur des plaques  
Spessore delle placche

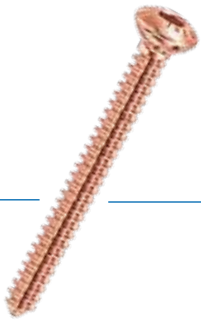
▶ x ◀  
Plattenbreite  
Width of plates  
Ancho de la placa  
Largeur des plaques  
Larghezza delle placche

⊗  
Anzahl der Löcher  
Number of holes  
Número de los orificios  
Nombre de trous  
Numero di fori

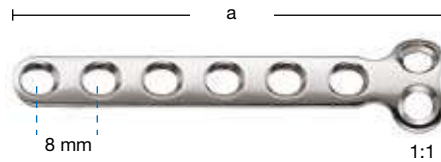


**Minifragmentplatten**  
**Mini Fragment Plates**  
**Placas para mini fragmentos**  
**Plaques pour mini fragments**  
**Placche per mini frammenti**

**2.7**

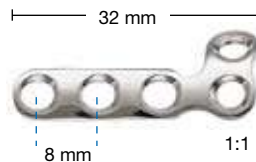


für Kortikalisschrauben **2,7 mm**  
 for cortical screws **2,7 mm**  
 para tornillos corticales **2,7 mm**  
 pour vis corticales **2,7 mm**  
 per viti corticalis **2,7 mm**



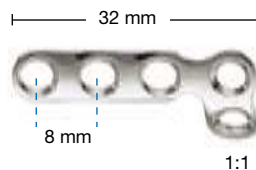
T-Platten  
 T-Plates  
 T-Placas  
 T-Plaques  
 T-Placche

	1,2 mm	7,0 mm	a	
<b>709.11.03</b>			32 mm	③
<b>709.11.04</b>			40 mm	④
<b>709.11.05</b>			48 mm	⑤
<b>709.11.06</b>			56 mm	⑥
<b>709.11.07</b>			64 mm	⑦
<b>709.11.08</b>			72 mm	⑧



L-Platte 90°  
 L-Plate 90°  
 L-Placa 90°  
 L-Plaques 90°  
 L-Placca 90

	1,2 mm	7,0 mm		
links left izquierda gauche sinistra			<b>709.12.00</b>	③



L-Platte 90°  
 L-Plate 90°  
 L-Placa 90°  
 L-Plaques 90°  
 L-Placca 90

	1,2 mm	7,0 mm		
rechts right derecha droit destra			<b>709.12.01</b>	③

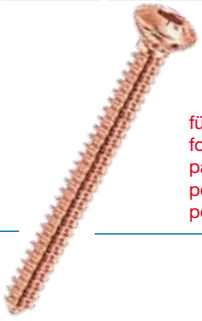
▼  
x  
▲  
Plattendicke  
Thickness of plates  
Grosor de las placa  
Epaisseur des plaques  
Spessore delle placche

▶ x ◀  
Plattenbreite  
Width of plates  
Ancho de la placa  
Largeur des plaques  
Larghezza delle placche

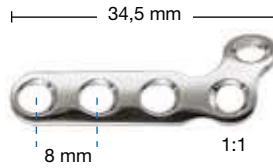
⊗  
Anzahl der Löcher  
Number of holes  
Número de los orificios  
Nombre de trous  
Numero di fori



**Minifragmentplatten**  
**Mini Fragment Plates**  
**Placas para mini fragmentos**  
**Plaques pour mini fragments**  
**Placche per mini frammenti**

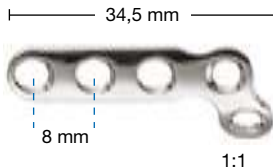


für Kortikalisschrauben **2,7 mm**  
 for cortical screws **2,7 mm**  
 para tornillos corticales **2,7 mm**  
 pour vis corticales **2,7 mm**  
 per viti corticalis **2,7 mm**



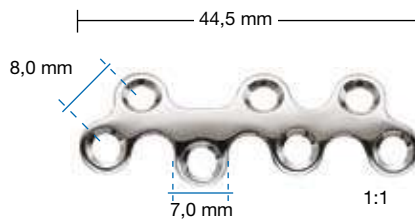
L-Platte schräg  
 L-Plate oblique  
 L-Placa oblicua  
 L-Plaqué oblique  
 L-Placca obliqua

		<p>links left izquierda gauche sinistra</p> <p><b>709.13.00</b></p> <p>③</p>
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L-Platte schräg  
 L-Plate oblique  
 L-Placa oblicua  
 L-Plaqué oblique  
 L-Placca obliqua

		<p>rechts right derecha droit destra</p> <p><b>709.13.01</b></p> <p>③</p>
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Multifragmentplatte  
 Multifragment plate  
 Placa multi fragmentos  
 Plaque multifragments  
 Placca multi frammenti

		<p><b>709.14.07</b></p> <p>⑦</p>
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▼  
x  
▲  
Plattendicke  
Thickness of plates  
Grosor de las placa  
Epaisseur des plaques  
Spessore delle placche

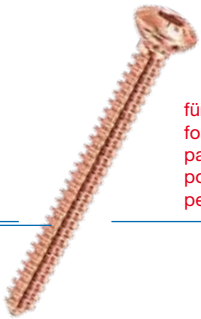
◀ x ▶  
Plattenbreite  
Width of plates  
Ancho de la placa  
Largeur des plaques  
Larghezza delle placche

⊗  
Anzahl der Löcher  
Number of holes  
Número de los orificios  
Nombre de trous  
Numero di fori



**Minifragmentplatten**  
**Mini Fragment Plates**  
**Placas para mini fragmentos**  
**Plaques pour mini fragments**  
**Placche per mini frammenti**

**2.7**



für Kortikalisschrauben **2,7 mm**  
 for cortical screws **2,7 mm**  
 para tornillos corticales **2,7 mm**  
 pour vis corticales **2,7 mm**  
 per viti corticalis **2,7 mm**



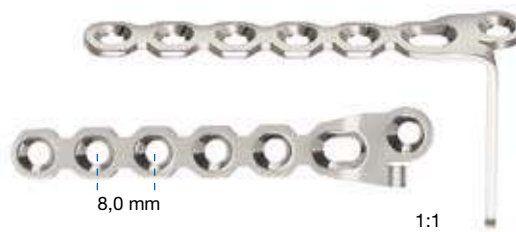
Kondylenplatte  
 Condylar plate  
 Placa condilar  
 Plaque condyloire  
 Placca condilica



Stift links  
 Pin left  
 Pin izquierda  
 Pointe gauche  
 Perno sinistro

**709.14.00**

⑥



Kondylenplatte  
 Condylar plate  
 Placa condilar  
 Plaque condyloire  
 Placca condilica



Stift rechts  
 Pin right  
 Pin derecha  
 Pointe droit  
 Perno destro

**709.14.01**

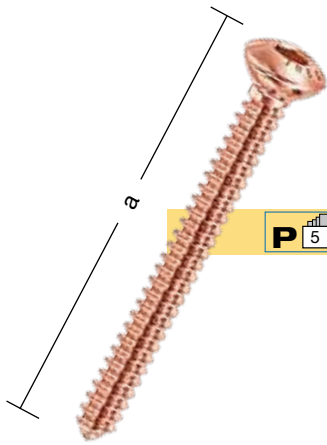
⑥

▼  
 x  
 ▲  
 Plattendicke  
 Thickness of plates  
 Grosor de las placa  
 Epaisseur des plaques  
 Spessore delle placche

▶ x ◀  
 Plattenbreite  
 Width of plates  
 Ancho de la placa  
 Largeur des plaques  
 Larghezza delle placche

⊗  
 Anzahl der Löcher  
 Number of holes  
 Número de los orificios  
 Nombre de trous  
 Numero di fori

**Minifragmentplatten**  
**Mini Fragment Plates**  
**Placas para mini fragmentos**  
**Plaques pour mini fragments**  
**Placche per mini frammenti**



Kortikalisschrauben 2,7 mm  
 Cortical screws 2,7 mm  
 Tornillos corticales 2,7 mm  
 Vis corticales 2,7 mm  
 Viti corticalis 2,7 mm



a

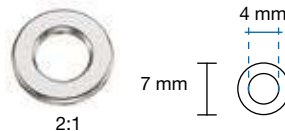
<b>709.27.01</b>	6 mm
<b>709.27.02</b>	8 mm
<b>709.27.03</b>	10 mm
<b>709.27.04</b>	12 mm
<b>709.27.05</b>	14 mm
<b>709.27.06</b>	16 mm
<b>709.27.07</b>	18 mm
<b>709.27.08</b>	20 mm
<b>709.27.09</b>	22 mm
<b>709.27.10</b>	24 mm
<b>709.27.11</b>	26 mm
<b>709.27.12</b>	28 mm
<b>709.27.13</b>	30 mm
<b>709.27.14</b>	32 mm
<b>709.27.15</b>	34 mm
<b>709.27.16</b>	36 mm
<b>709.27.17</b>	38 mm
<b>709.27.18</b>	40 mm



Bohrer für Gewindeloch 2,0 mm siehe Seite 27  
 Drills for threaded hole 2,0 mm see page 27  
 Brocas para orificio roscado 2,0 mm vea la página 27  
 Forets pour trou fileté de 2,0 mm voir page 27  
 Perforatori per foro filettato 2,0 mm vedi pagina 27

Gewindeschneider 2,7 mm siehe Seite 27  
 Tap 2,7 mm see page 27  
 Roscador 2,7 mm veáse página 27  
 Taraud 2,7 mm voir page 27  
 Filettatore 2,7 mm vedi pagina 27

Bohrer für Gleitloch 2,7 mm siehe Seite 27  
 Drills for sliding hole 2,7 mm see page 27  
 Brocas para orificio de deslizamiento 2,7 mm vea la página 27  
 Forets pour trou lisse de 2,7 mm voir page 27  
 Perforatori per foro di scorrimento 2,7 mm vedi pagina 27



2:1

Unterlegscheibe für Kortikalisschrauben 2,7 mm  
 Washer for cortical screws 2,7 mm  
 Arandela para tornillos corticales 2,7 mm  
 Rondelle pour vis corticales 2,7 mm  
 Rondella per viti corticalis 2,7 mm



710.00.00



Verpackungseinheit "X" Stück  
 Packing unit "X" pieces  
 Paquete de "X" unidades  
 Emballage de "X" pièces  
 Confezione da "X" pezzi





**Minifragment-Instrumentarium**  
**Mini Fragment Instrumentation**  
**Instrumental para mini fragmentos**  
**Instruments pour mini fragments**  
**Strumenti per mini frammenti**

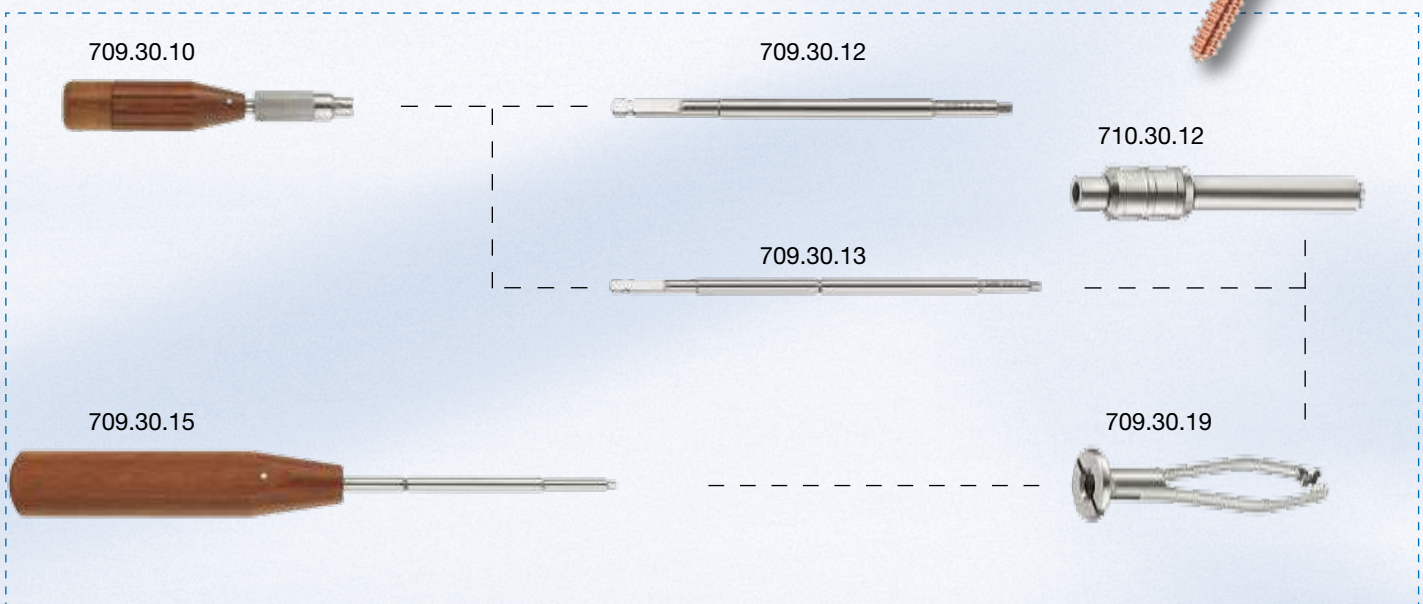
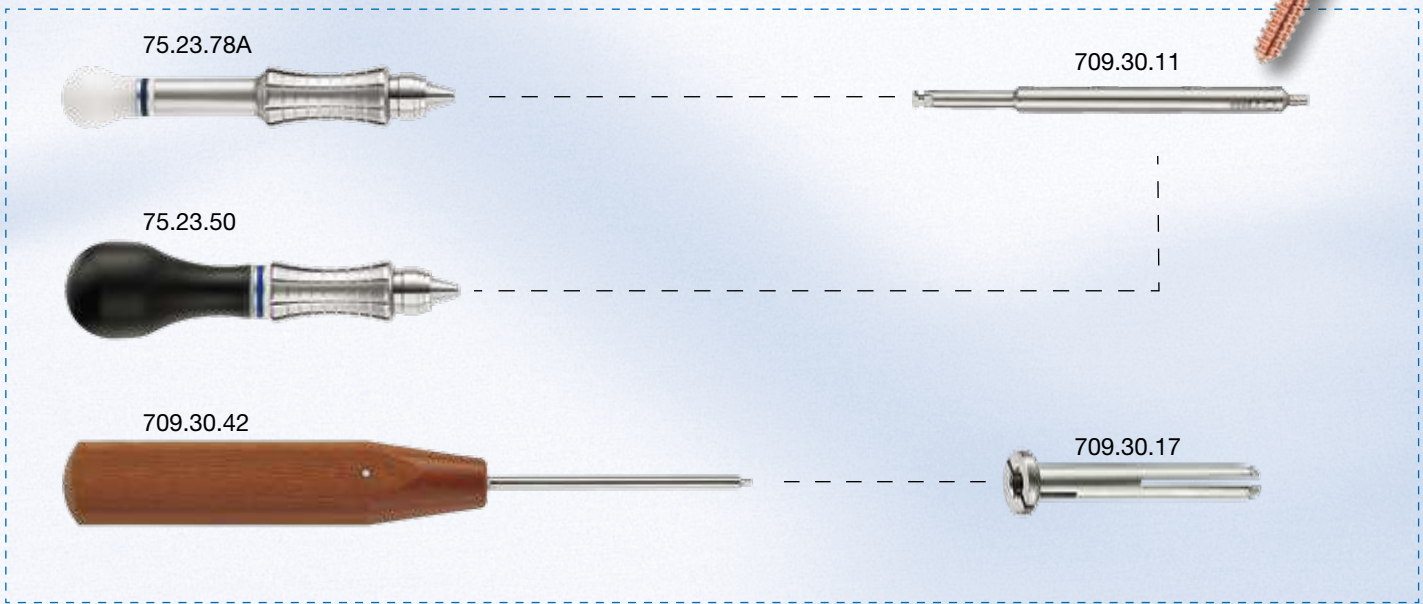
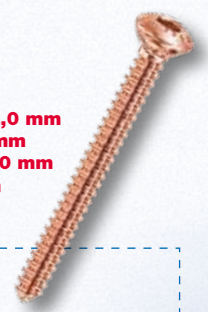
**1.5**

**2.0**

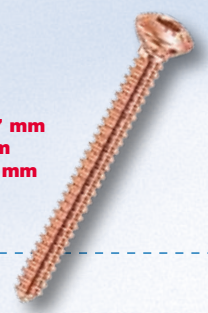
**2.7**

Übersicht Schraubendreher, Klingen und Haltehülsen für Schrauben  
Overview screwdrivers, blades and holding sleeves for screws  
Vista general de atornilladores, hojas y vainas para tornillos  
Aperçu tournevis, lames et douilles pour tenir les vis  
Visione generale del cacciavite, lame e boccole per viti

**für Schrauben 1,5 und 2,0 mm**  
**for screws 1,5 und 2,0 mm**  
**para tornillos 1,5 und 2,0 mm**  
**pour vis 1,5 und 2,0 mm**  
**per viti 1,5 und 2,0 mm**



**für Schrauben 2,7 mm**  
**for screws 2,7 mm**  
**para tornillos 2,7 mm**  
**pour vis 2,7 mm**  
**per viti 2,7 mm**

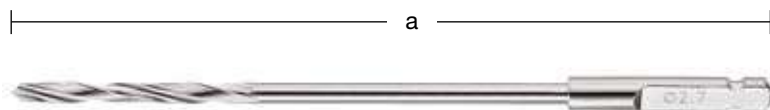


1.5

2.0

2.7

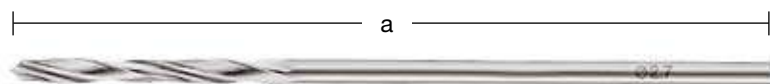
**Minifragment-Instrumentarium**  
**Mini Fragment Instrumentation**  
**Instrumental para mini fragmentos**  
**Instruments pour mini fragments**  
**Strumenti per mini frammenti**



Bohrer für Schnellkupplung  
 Drills for quick coupling  
 Brocas para acoplamiento rápido  
 Forets pour accouplement rapide  
 Perforatori per accoppiamento rapido

1:1

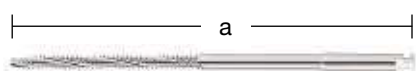
	a	Ø
<b>709.30.20</b>	60 mm	1,1 mm
<b>709.30.21</b>	85 mm	1,5 mm
<b>709.30.22</b>	110 mm	1,5 mm
<b>709.30.23</b>	100 mm	2,0 mm
<b>709.30.24</b>	125 mm	2,0 mm
<b>709.30.25</b>	100 mm	2,7 mm
<b>709.30.26</b>	125 mm	2,7 mm



Bohrer für Dreibackenspannfutter  
 Drills for three-jaw chuck  
 Brocas para plato de tres mordazas  
 Forets pour mandrin à trois mâchoires  
 Perforatori per mandrino a tre ganasce

1:1

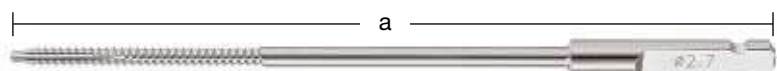
	a	Ø
<b>709.30.27</b>	45 mm	1,1 mm
<b>709.30.28</b>	70 mm	1,5 mm
<b>709.30.29</b>	85 mm	2,7 mm



Gewindeschneider für Dentalkupplung  
 Taps for dental coupling  
 Roscadores para acoplamiento dental  
 Tarauds pour accouplement dentaire  
 Filettatori per accoppiamento dentale

1:1

	a	Ø	
für Kortikalisschrauben for cortical screws para tornillos corticales pour vis corticales per viti corticalis	<b>709.30.32</b>	50 mm	1,5 mm
	<b>709.30.33</b>	53 mm	2,0 mm



Gewindeschneider für Schnellkupplung  
 Taps for quick coupling  
 Roscadores para acoplamiento rápido  
 Tarauds pour accouplement rapide  
 Filettatori per accoppiamento rapido

1:1

	a	Ø	
für Kortikalisschrauben for cortical screws para tornillos corticales pour vis corticales per viti corticalis	<b>709.30.43</b>	60 mm	1,5 mm
	<b>709.30.44</b>	70 mm	2,0 mm
	<b>709.30.34</b>	100 mm	2,7 mm

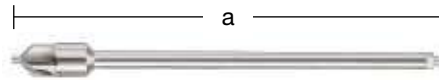


**Minifragment-Instrumentarium**  
**Mini Fragment Instrumentation**  
**Instrumental para mini fragmentos**  
**Instruments pour mini fragments**  
**Strumenti per mini frammenti**

1.5

2.0

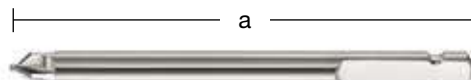
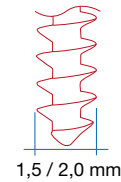
2.7



1:1

Kopfraumfräser für Dentalkupplung  
 Countersink for dental coupling  
 Fresa para acoplamiento dental  
 Fraise pour accouplement dentaire  
 Fresa per accoppiamento dentale

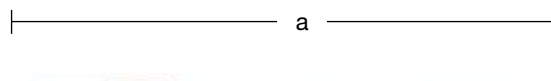
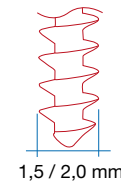
a	
für Schrauben Ø 1,5 / 2,0 mm for screws Ø 1,5 / 2,0 mm para tornillos Ø 1,5 / 2,0 mm pour vis Ø 1,5 / 2,0 mm per viti Ø 1,5 / 2,0 mm	<b>709.30.30</b>   57 mm



1:1

Kopfraumfräser für Schnellkupplung  
 Countersink for quick coupling  
 Fresa para acoplamiento rápido  
 Fraise pour accouplement rapide  
 Fresa per accoppiamento rapido

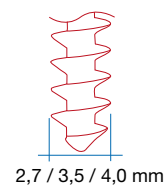
a	
für Schrauben Ø 1,5 / 2,0 mm for screws Ø 1,5 / 2,0 mm para tornillos Ø 1,5 / 2,0 mm pour vis Ø 1,5 / 2,0 mm per viti Ø 1,5 / 2,0 mm	<b>709.30.45</b>   60 mm



1:1

Kopfraumfräser für Schnellkupplung  
 Countersink for quick coupling  
 Fresa para acoplamiento rápido  
 Fraise pour accouplement rapide  
 Fresa per accoppiamento rapido

a	
für Schrauben Ø 2,7 / 3,5 / 4,0 mm for screws Ø 2,7 / 3,5 / 4,0 mm para tornillos Ø 2,7 / 3,5 / 4,0 mm pour vis Ø 2,7 / 3,5 / 4,0 mm per viti Ø 2,7 / 3,5 / 4,0 mm	<b>709.30.31</b>   72 mm



*and routed, bored and blasted; deep craters were excavated and*



1.5

2.0

2.7

**Minifragment-Instrumentarium**  
**Mini Fragment Instrumentation**  
**Instrumental para mini fragmentos**  
**Instruments pour mini fragments**  
**Strumenti per mini frammenti**



Parallel Bohrbuchse  
 Parallel drill sleeve  
 Casquillo de taladrar paralelo  
 Douille forage parallèle  
 Bussola di foratura parallela

**709.30.05**

2,0 mm



Doppelbohrbuchsen  
 Double drill sleeves  
 Casquillos de taladrar doble  
 Double douilles de forage  
 Bussole di foratura doppie

**709.30.06**

1,5 mm

1,1 mm

**709.30.07**

2,0 mm

1,5 mm

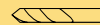
**709.30.08**

2,7 mm

2,0 mm



Bohrbuchse neutral und exzentrisch  
 Drill sleeve neutral and excentric  
 Casquillo de taladrar neutral y excéntrico  
 Douille forage neutre et excentrique  
 Bussola di foratura neutrale e eccentrica



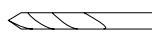
für Schrauben 2,7 mm  
 for screws 2,7 mm  
 para tornillos 2,7 mm  
 pour vis 2,7 mm  
 per viti 2,7 mm

**709.30.09**

2,0 mm



für Gewindeschneider  
 for taps  
 para roscadores  
 pour tarauds  
 per filettatori



für Bohrer  
 for drills  
 para brocas  
 pour forets  
 per perforator

*all this with just one intention: The clow of the project was to*



**Minifragment-Instrumentarium**  
**Mini Fragment Instrumentation**  
**Instrumental para mini fragmentos**  
**Instruments pour mini fragments**  
**Strumenti per mini frammenti**

1.5

2.0

2.7



Schraubendrehergriff  
 Screwdriver handle  
 Mango de atornillador  
 Manche de tournevis  
 Manico per cacciavite

mit Dentalkupplung  
 with dental coupling  
 con acoplamiento dental  
 avec accouplement dentaire  
 con accoppiamento dentale

**75.23.78A**



Schraubendrehergriff  
 Screwdriver handle  
 Mango de atornillador  
 Manche de tournevis  
 Manico per cacciavite

mit Dentalkupplung  
 with dental coupling  
 con acoplamiento dental  
 avec accouplement dentaire  
 con accoppiamento dentale

**75.23.50**



Handgriff  
 Handle  
 Mango  
 Manche  
 Manico

**NOVOTEX**

mit Schnellkupplung  
 with quick coupling  
 con acoplamiento rápido  
 avec accouplement rapide  
 con accoppiamento rapido

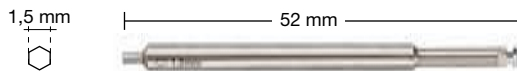
**709.30.10**

1.5

2.0

2.7

**Minifragment-Instrumentarium**  
**Mini Fragment Instrumentation**  
**Instrumental para mini fragmentos**  
**Instruments pour mini fragments**  
**Strumenti per mini frammenti**



1:1

Schraubendrehereinsatz Sechskant  
 Screwdriver insert hexagonal  
 Inserto para atornillador hexagonal  
 Insert de tournevis hexagonal  
 Inserto per cacciavite esagonale

für Dentalkupplung  
 for dental coupling  
 para acoplamiento dental  
 pour accouplement dentaire  
 per accoppiamento dentale

**709.30.11**



1:1

Schraubendrehereinsatz Sechskant  
 Screwdriver insert hexagonal  
 Inserto para atornillador hexagonal  
 Insert de tournevis hexagonal  
 Inserto per cacciavite esagonale

für Schnellkupplung  
 for quick coupling  
 para acoplamiento rápido  
 pour accouplement rapide  
 per accoppiamento rapido

**709.30.12**



1:1

Schraubendrehereinsatz Sechskant  
 Screwdriver insert hexagonal  
 Inserto para atornillador hexagonal  
 Insert de tournevis hexagonal  
 Inserto per cacciavite esagonale

für Schnellkupplung  
 for quick coupling  
 para acoplamiento rápido  
 pour accouplement rapide  
 per accoppiamento rapido

**709.30.13**





**Minifragment-Instrumentarium**  
**Mini Fragment Instrumentation**  
**Instrumental para mini fragmentos**  
**Instruments pour mini fragments**  
**Strumenti per mini frammenti**

**1.5**

**2.0**

**2.7**



Schraubendreher Sechskant  
Screwdriver hexagonal  
Atornillador hexagonal  
Tournevis hexagonal  
Cacciavite esagonale

**NOVOTEX**

**709.30.42**

18 cm - 7 1/8"



Schraubendreher Sechskant  
Screwdriver hexagonal  
Atornillador hexagonal  
Tournevis hexagonal  
Cacciavite esagonale

**NOVOTEX**

**709.30.15**

20 cm - 8"

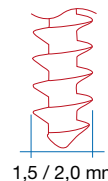


1:1

Haltehülse für Schrauben  
Holding sleeve for screws  
Vaina para tornillos  
Douille pour tenir les vis  
Boccola per viti

für Schrauben Ø 1,5 / 2,0 mm  
for screws Ø 1,5 / 2,0 mm  
para tornillos Ø 1,5 / 2,0 mm  
pour vis Ø 1,5 / 2,0 mm  
per viti Ø 1,5 / 2,0 mm

**709.30.17**



1,5 / 2,0 mm

1.5

2.0

2.7

**Minifragment-Instrumentarium**  
**Mini Fragment Instrumentation**  
**Instrumental para mini fragmentos**  
**Instruments pour mini fragments**  
**Strumenti per mini frammenti**

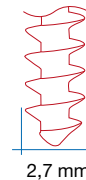


1:1

Haltehülse für Schrauben  
Holding sleeve for screws  
Vaina para tornillos  
Douille pour tenir les vis  
Boccola per viti

für Schrauben Ø 2,7 mm  
for screws Ø 2,7 mm  
para tornillos Ø 2,7 mm  
pour vis Ø 2,7 mm  
per viti Ø 2,7 mm

**709.30.19**



2,7 mm

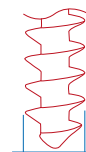


1:1

Haltehülse für Schrauben  
Holding sleeve for screws  
Vaina para tornillos  
Douille pour tenir les vis  
Boccola per viti

für Schrauben Ø 2,7 mm  
for screws Ø 2,7 mm  
para tornillos Ø 2,7 mm  
pour vis Ø 2,7 mm  
per viti Ø 2,7 mm

**710.30.12**



2,7 mm



**Minifragment-Instrumentarium**  
**Mini Fragment Instrumentation**  
**Instrumental para mini fragmentos**  
**Instruments pour mini fragments**  
**Strumenti per mini frammenti**

**1.5**

**2.0**

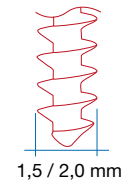
**2.7**



Tiefenmessgerät, Mini  
Depth gauge, Mini  
Medidor de profundidad, Mini  
Jauge de profondeur, Mini  
Strumento per misurare la profondità, Mini

für Schrauben Ø 1,5 / 2,0 mm  
for screws Ø 1,5 / 2,0 mm  
para tornillos Ø 1,5 / 2,0 mm  
pour vis Ø 1,5 / 2,0 mm  
per viti Ø 1,5 / 2,0 mm

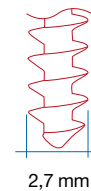
**709.30.04**



Tiefenmessgerät, klein  
Depth gauge, small  
Medidor de profundidad, pequeño  
Jauge de profondeur, petit  
Strumento per misurare la profondità, piccolo

für Schrauben Ø 2,7 mm  
for screws Ø 2,7 mm  
para tornillos Ø 2,7 mm  
pour vis Ø 2,7 mm  
per viti Ø 2,7 mm

**710.30.07**



1.5

2.0

2.7

**Minifragment-Instrumentarium**  
**Mini Fragment Instrumentation**  
**Instrumental para mini fragmentos**  
**Instruments pour mini fragments**  
**Strumenti per mini frammenti**



Biegeeisen für Platten 1,5 und 2,0 mm  
Bending lever for plates 1,5 and 2,0 mm  
Palanca para doblar placas 1,5 y 2,0 mm  
Levier de pliage pour plaques 1,5 et 2,0 mm  
Leva piegaplacche per placche 1,5 e 2,0 mm

**709.30.00**



Biegeeisen für Platten 2,7 mm  
Bending lever for plates 2,7 mm  
Palanca para doblar placas 2,7 mm  
Levier de pliage pour plaques 2,7 mm  
Leva piegaplacche per placche 2,7 mm

**709.30.01**

rechts  
right  
derecha  
droit  
destra



Biegeeisen für Platten 2,7 mm  
Bending lever for plates 2,7 mm  
Palanca para doblar placas 2,7 mm  
Levier de pliage pour plaques 2,7 mm  
Leva piegaplacche per placche 2,7 mm

**709.30.02**

links  
left  
izquierda  
gauche  
sinistra





**Minifragment-Instrumentarium**  
**Mini Fragment Instrumentation**  
**Instrumental para mini fragmentos**  
**Instruments pour mini fragments**  
**Strumenti per mini frammenti**

1.5

2.0

2.7



Schraubenhaltepinzette  
Screw holding forceps  
Pinza para agarrar tornillos  
Pince pour tenir les vis  
Pinza per tenere viti

**709.30.40**

Ø 1,25 mm

Ø 0,8 mm



Biegebolzen  
Bending bolt  
Perno para doblar  
Lever de pliage  
Leva per piegare

**709.30.41**

für Kirschner Bohrdrähte  
for Kirschner wires  
para brocas de Kirschner  
pour broches de Kirschner  
per fili perforatori di Kirschner



Biegezange für Miniplatten  
Bending pliers for Mini plates  
Pinza para doblar placas Mini  
Pince de pliage pour plaques Mini  
Pinza piegaplacche per placche Mini

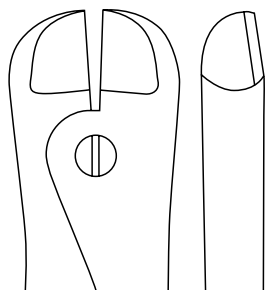
**709.30.03** 14 cm - 5½"

1.5

2.0

2.7

**Minifragment-Instrumentarium**  
**Mini Fragment Instrumentation**  
**Instrumental para mini fragmentos**  
**Instruments pour mini fragments**  
**Strumenti per mini frammenti**



Platten- und Drahtschneidezange  
 Plate and wire cutting forceps  
 Pinza para cortar placas y alambre  
 Pince pour couper les plaques et les fils  
 Pinza per tagliare placche e fili



**"HM"**

1,6 mm 2,0 mm

**14.30.17**

17,5 cm - 7"



Flachzange  
 Flat nose pliers  
 Alicates plano  
 Pince plate  
 Tenaglia piatta



**14.46.14**

14 cm - 5½"

Hartmetall  
 Tungsten carbide  
**"HM"** = Carburo de tungsteno  
 Carbure de tungstène  
 Carburo di tungsteno

max. Ø

harte Drähte  
 hard wires  
 alambres duros  
 fils durs  
 fili duri

max. Ø

weiche Drähte  
 soft wires  
 alambres blandos  
 fils mous  
 fili dolci

*crops were grown from the DNA library that was brought along.*

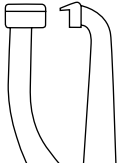


**Minifragment-Instrumentarium**  
**Mini Fragment Instrumentation**  
**Instrumental para mini fragmentos**  
**Instruments pour mini fragments**  
**Strumenti per mini frammenti**

**1.5**

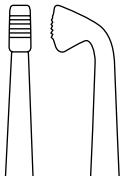
**2.0**

**2.7**



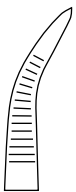
Haltezange für kleine Platten  
Holding forceps for small plates  
Pinza para agarrar placas pequeñas  
Pince pour tenir les petites plaques  
Pinza per tenere le placche piccole

**709.30.35** 13,5 cm - 5 $\frac{3}{8}$ "



Haltezange für Fingerplatten  
Holding forceps for finger plates  
Pinza para placas para dedo  
Pince de maintien pour plaques de doigts  
Pinza per placche per dita

**709.30.36** 13,5 cm - 5 $\frac{3}{8}$ "



Repositionszange, breit  
Reposition forceps, broad  
Pinza para reposición, ancha  
Pince à réposition, large  
Pinza per riposizione, larga

**709.30.38** 13 cm - 5 $\frac{1}{8}$ "

1.5

2.0

2.7

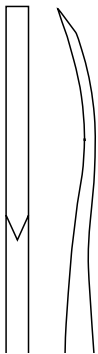
**Minifragment-Instrumentarium**  
**Mini Fragment Instrumentation**  
**Instrumental para mini fragmentos**  
**Instruments pour mini fragments**  
**Strumenti per mini frammenti**



Reinigungshaken  
 Cleaning hook  
 Gancho para limpieza  
 Crochet pour nettoyage  
 Uncino per pulizia

**351.64.01** | 16 cm - 6 1/4"

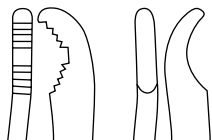
3 mm



Raspatorium  
 Raspatory  
 Legra  
 Rugine  
 Periostotomo

**NOVOTEX**

**26.64.13** | 18,5 cm - 7 1/4"



Knochenhaltezange, selbstzentrierend  
 Bone holding forceps, self-centering  
 Pinza para huesos, autocentrando  
 Davier à os, autocentrant  
 Tenaglia per ossa, autocentrante

**Verbrugge**

**35.76.15** | 15 cm - 6"





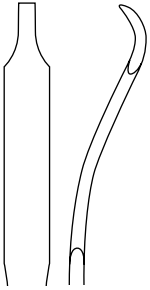
**Minifragment-Instrumentarium**  
**Mini Fragment Instrumentation**  
**Instrumental para mini fragmentos**  
**Strumenti per mini frammenti**

**1.5**

**2.0**

**2.7**

6 mm

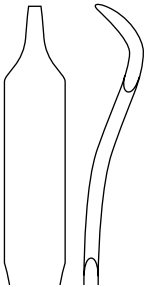


Knochenhebel  
Bone lever  
Elevador para hueso  
Levier à os  
Elevatore per ossa

**78.35.11**

16 cm - 6¼"

8 mm

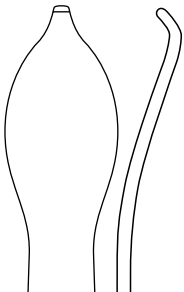


Knochenhebel  
Bone lever  
Elevador para hueso  
Levier à os  
Elevatore per ossa

**78.35.12**

16 cm - 6¼"

15 mm



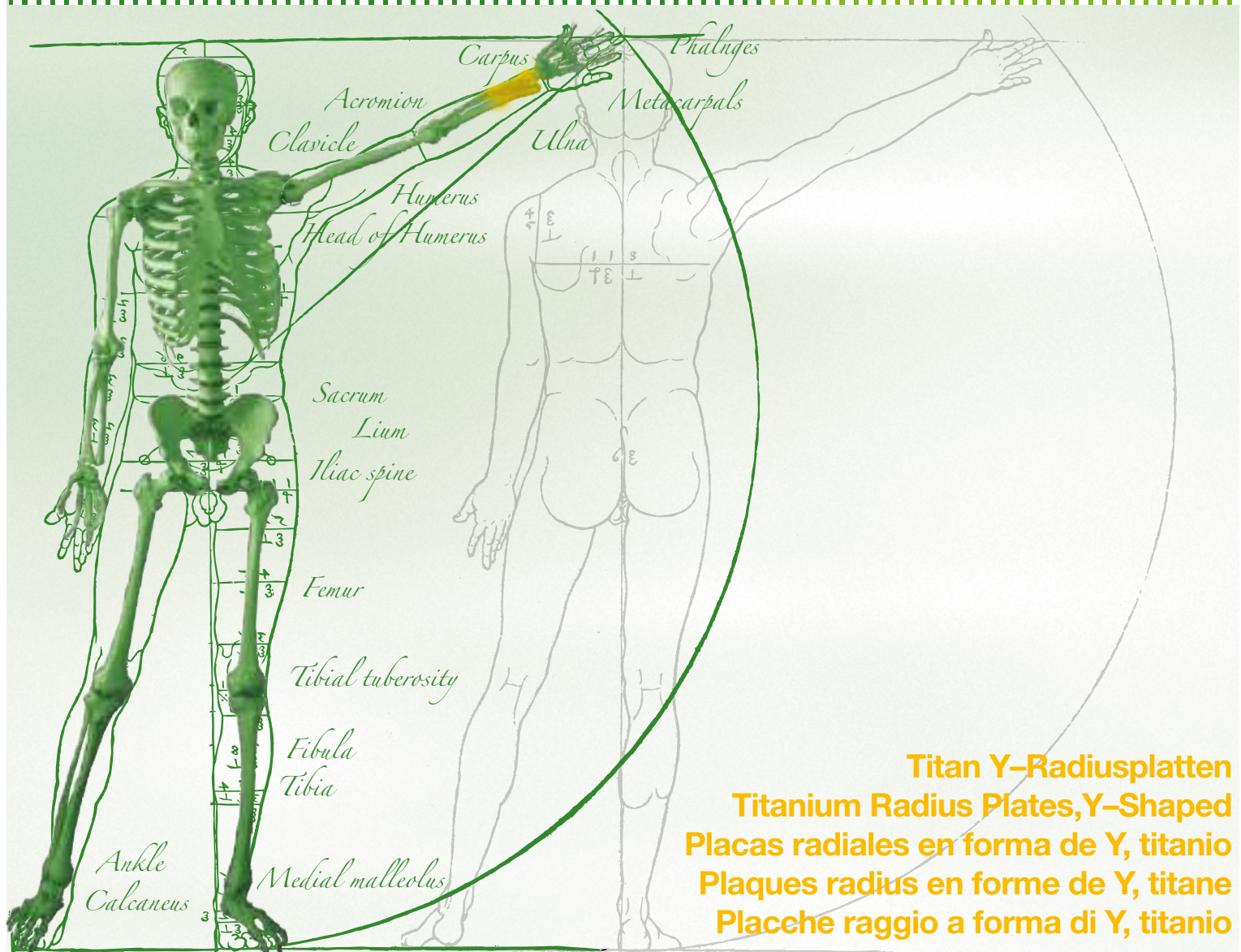
Knochenhebel  
Bone lever  
Elevador para hueso  
Levier à os  
Elevatore per ossa

**78.35.13**

16 cm - 6¼"

# ORTHO PAEDICS

## IMPLANTS AND INSTRUMENTS



**Titan Y-Radiusplatten**  
**Titanium Radius Plates, Y-Shaped**  
**Placas radiales en forma de Y, titanio**  
**Plaques radius en forme de Y, titane**  
**Placche raggio a forma di Y, titanio**

**Titan Y-Radiusplatten**  
**Titanium Radius Plates Y-Shaped**  
**Placas radiales en forma de Y, titanio**  
**Plaques radius en forme de Y, titane**  
**Placca raggio a forma di Y, titanio**



Titan Y-Radiusplatte  
 Titanium Radius Plate Y-shaped  
 Placa radial en forma de Y, titanio  
 Plaque radius en forme de Y, titane  
 Placca raggio a forma di Y, titanio

▼ 1,5 mm ▲	<b>78.84.01</b>	(4) × (4)
rechts right derecha droit destra		



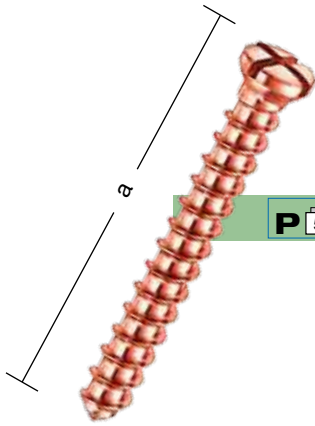
Titan Y-Radiusplatte  
 Titanium Radius Plate Y-shaped  
 Placa radial en forma de Y, titanio  
 Plaque radius en forme de Y, titane  
 Placca raggio a forma di Y, titanio

▼ 1,5 mm ▲	<b>78.84.02</b>	(4) × (4)
links left izquierda gauche sinistra		

▼ Plattendicke  
 Thickness of plates  
 Grosor de las placa  
 ▲ Epaisseur des plaques  
 Spessore delle placche

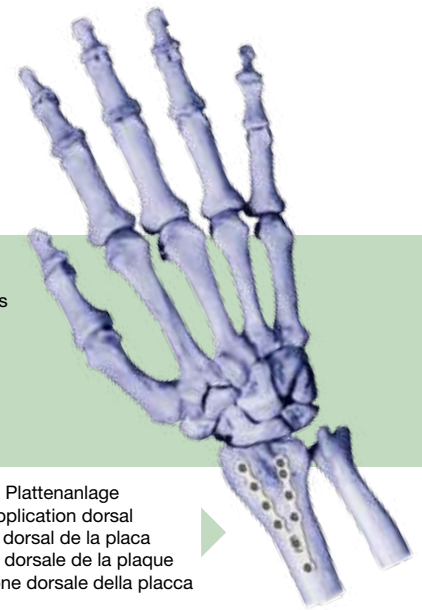
(x) Anzahl der Löcher  
 Number of holes  
 Número de los orificos  
 Nombre de trous  
 Numero di fori

**Schrauben für Titan Y-Radiusplatten**  
**Screws for Titanium Radius Plates Y-Shaped**  
**Tornillos para placas radiales en forma de Y, titanio**  
**Vis pour plaques radius en forme de Y, titane**  
**Viti per placche raggio a forma di Y, titanio**



Titan Knochenschrauben Kreuzschlitz  
 Titanium bone screws cross slot  
 Tornillos de hueso con cabeza en cruz, titanio  
 Vis à os cruciformes, titane  
 Viti per ossa con presa a croce, titanio

P	5	a
<b>78.84.13</b>		13 mm
<b>78.84.15</b>		15 mm
<b>78.84.17</b>		17 mm
<b>78.84.19</b>		19 mm
<b>78.84.21</b>		21 mm
<b>78.84.23</b>		23 mm
<b>78.84.25</b>		25 mm
<b>78.84.27</b>		27 mm
<b>78.84.29</b>		29 mm
<b>78.84.31</b>		31 mm
<b>78.84.33</b>		33 mm
<b>78.84.35</b>		35 mm
<b>78.84.37</b>		37 mm



für Frakturen des distalen Radius  
 for fractures of the distal radius  
 para fracturas del radio distal  
 pour fractures du radius distal  
 per fratture del raggio distale

dorsale Plattenanlage  
 plate application dorsal  
 fijación dorsal de la placa  
 fixation dorsale de la plaque  
 fissazione dorsale della placca



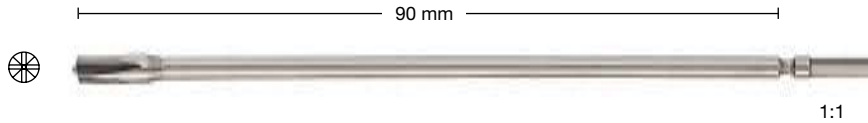
Verpackungseinheit "X" Stück  
 Packing unit "X" pieces  
 Paquete de "X" unidades  
 Emballage de "X" pièces  
 Confezione da "X" pezzi

**Instrumentarium für Titan Kreuzschlitzschrauben**  
**Instrumentation for Titanium Cross Slot Screws**  
**Instrumental para tornillos de titanio con cabeza cruz**  
**Instruments pour vis en titane cruciformes**  
**Strumenti per viti in titanio con presa a croce**



Schraubendrehergriff  
 Screwdriver handle  
 Mango de atornillador  
 Manche de tournevis  
 Manico per cacciavite

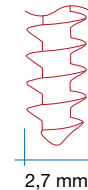
**75.23.55**



Schraubendreherklinge  
 Screwdriver blade  
 Hoja de atornillador  
 Lame de tournevis  
 Lama per cacciavite

**78.85.11**

für Kreuzschlitzschrauben 2,7 mm  
 for cross slot screws 2,7 mm  
 para tornillo con cabeza en cruz 2,7 mm  
 pour vis cruciformes 2,7 mm  
 per viti a croce 2,7 mm



Bohrer für Schnellkupplung  
 Drill for quick coupling  
 Broca para acoplamiento rápido  
 Foret pour accouplement rapide  
 Perforatore per accoppiamento rapido

Ø

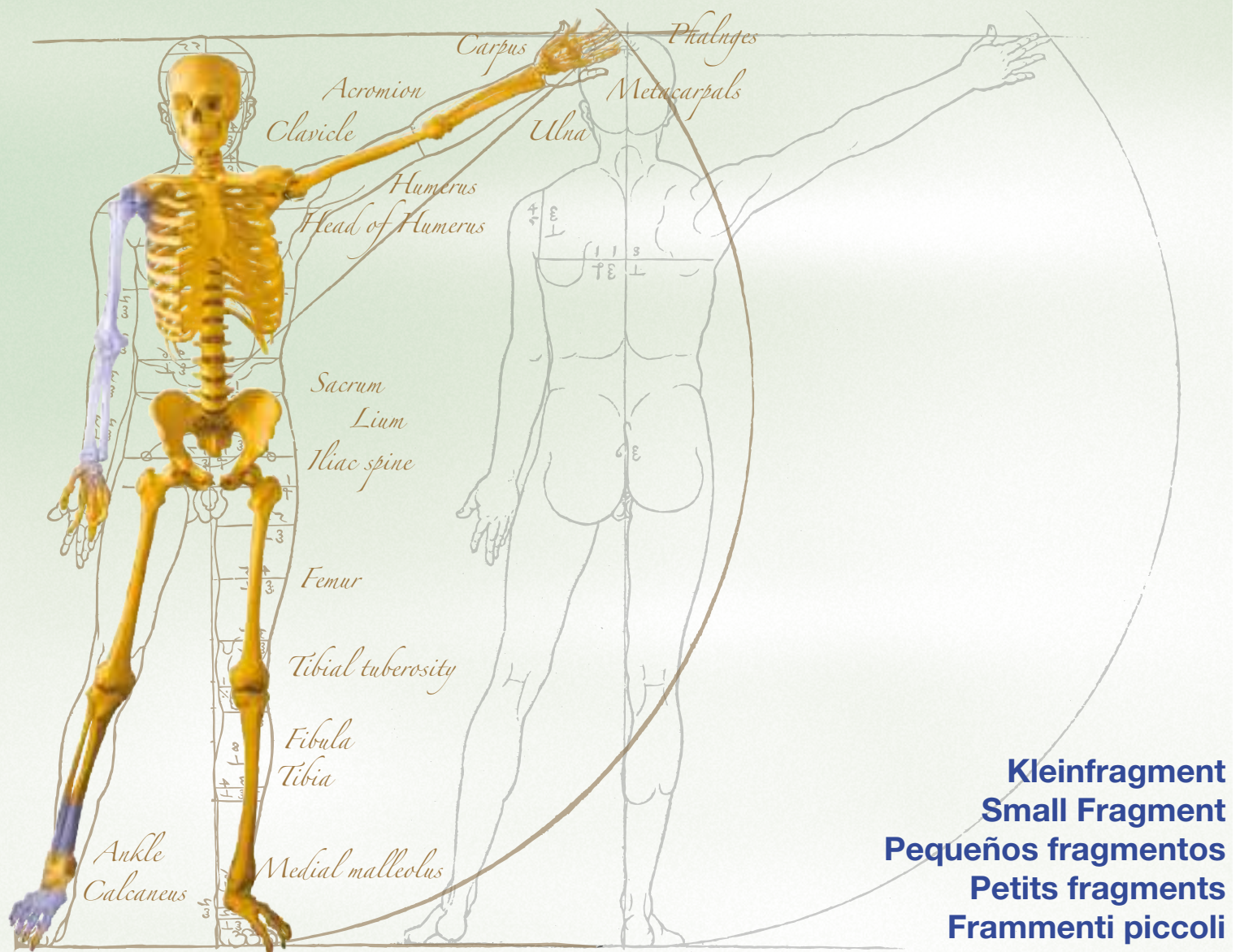
**709.30.23**

2,0 mm



# ORTHO PAEDICS

## IMPLANTS AND INSTRUMENTS



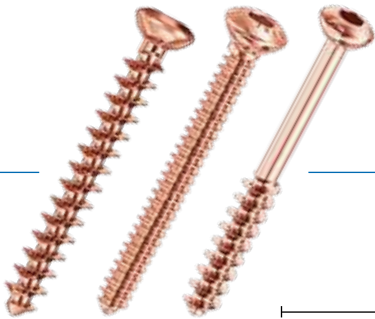
**Kleinfragment**  
**Small Fragment**  
**Pequeños fragmentos**  
**Petits fragments**  
**Frammenti piccoli**



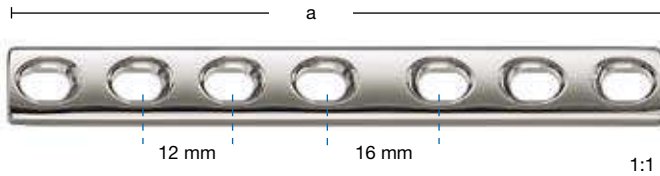
**Kleinfragmentplatten**  
**Small Fragment Plates**  
**Placas para pequeños fragmentos**  
**Plaques pour petits fragments**  
**Placche per frammenti piccoli**

**3.5**

**4.0**



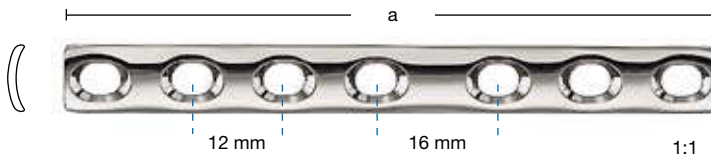
für Kortikalisschrauben **3,5 mm** und Spongiosaschrauben **4,0 mm**  
 for cortical screws **3,5 mm** and spongiosa screws **4,0 mm**  
 para tornillos corticales **3,5 mm** y tornillos esponjosos **4,0 mm**  
 pour vis corticales **3,5 mm** et vis spongieuses **4,0 mm**  
 per viti corticalis **3,5 mm** e per viti spongiosa **4,0 mm**



**Kleine Kompressionsplatten**  
**Compression plates small**  
**Placas de compresión para pequeños fragmentos**  
**Petites plaques de compression**  
**Placche di compressione piccole**



	a	
<b>710.00.02</b>	26 mm	②
<b>710.00.03</b>	38 mm	③
<b>710.00.04</b>	50 mm	④
<b>710.00.05</b>	62 mm	⑤
<b>710.00.06</b>	74 mm	⑥
<b>710.00.07</b>	86 mm	⑦
<b>710.00.08</b>	98 mm	⑧
<b>710.00.09</b>	110 mm	⑨
<b>710.00.10</b>	122 mm	⑩
<b>710.00.12</b>	146 mm	⑫
<b>710.00.14</b>	170 mm	⑭
<b>710.00.16</b>	194 mm	⑯
<b>710.00.18</b>	218 mm	⑰



**Drittelrohrplatten mit Kragen**  
**One third plates with collar**  
**Placas 1/3 tubo con cuello**  
**Plaques tributulaires avec col**  
**Placche 1/3 tubolare con colletto**



	a	
<b>710.01.02</b>	25 mm	②
<b>710.01.03</b>	37 mm	③
<b>710.01.04</b>	59 mm	④
<b>710.01.05</b>	61 mm	⑤
<b>710.01.06</b>	73 mm	⑥
<b>710.01.07</b>	85 mm	⑦
<b>710.01.08</b>	97 mm	⑧
<b>710.01.09</b>	109 mm	⑨
<b>710.01.10</b>	121 mm	⑩
<b>710.01.11</b>	133 mm	⑪
<b>710.01.12</b>	145 mm	⑫

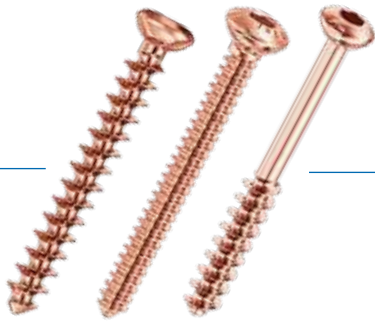
▼  
x  
▲  
Plattendicke  
Thickness of plates  
Grosor de las placa  
Epaisseur des plaques  
Spessore delle placche

□ x □  
Plattenbreite  
Width of plates  
Ancho de la placa  
Largeur des plaques  
Larghezza delle placche

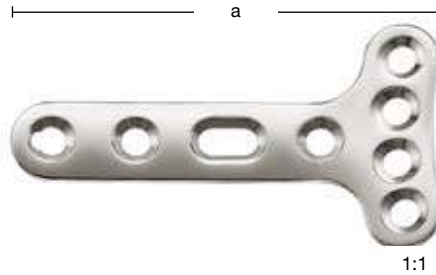
⊗  
Anzahl der Löcher  
Number of holes  
Número de los orificios  
Nombre de trous  
Numero di fori

**3.5 4.0**

**Kleinfragmentplatten  
Small Fragment Plates  
Placas para pequeños fragmentos  
Plaques pour petits fragments  
Placche per frammenti piccoli**

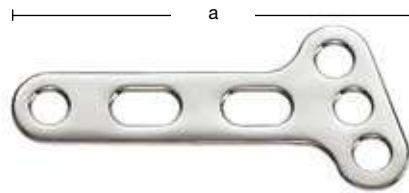


für Kortikalisschrauben **3,5 mm** und Spongiosaschrauben **4,0 mm**  
for cortical screws **3,5 mm** and spongiosa screws **4,0 mm**  
para tornillos corticales **3,5 mm** y tornillos esponjosos **4,0 mm**  
pour vis corticales **3,5 mm** et vis spongieuses **4,0 mm**  
per viti corticalis **3,5 mm** e per viti spongiosa **4,0 mm**



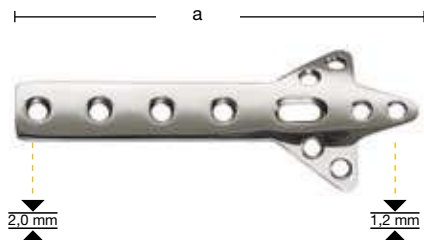
T-Platten 90°  
T-Plates 90°  
T-Placas 90°  
T-Plaques 90°  
T-Placche 90°

		a	
		<b>710.02.03</b>	50 mm    ③ × ③
		<b>710.02.04</b>	56 mm    ④ × ④
		<b>710.02.05</b>	67 mm    ⑤ × ③
		<b>710.02.06</b>	78 mm    ⑥ × ④



T-Platten schräg  
T-Plates oblique  
T-Placas oblicuas  
T-Plaques obliques  
T-Placche oblique

		a	
		<b>710.03.03</b>	52 mm    ③ × ③
		<b>710.03.04</b>	62 mm    ④ × ③
		<b>710.03.05</b>	73 mm    ⑤ × ③



Kleeblattplatten  
Cloverleaf plates  
Placas en forma de trébol  
Plaques trèfles  
Placche a trifoglio

		a	
		<b>710.04.03</b>	88 mm    ③
		<b>710.04.04</b>	104 mm   ④
		<b>710.04.05</b>	120 mm   ⑤
		<b>710.04.06</b>	136 mm   ⑥

Plattendicke  
Thickness of plates  
 Grosor de las placa  
Epaisseur des plaques  
Spessore delle placche

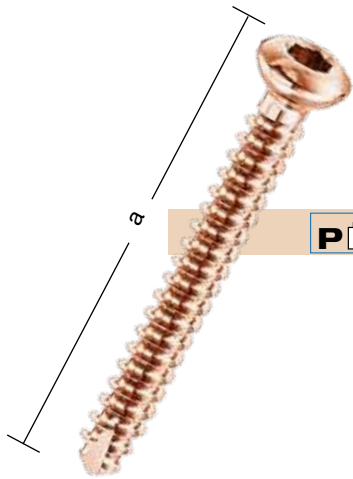
Plattenbreite  
Width of plates  
 Ancho de la placa  
Largeur des plaques  
Larghezza delle placche

Anzahl der Löcher  
Number of holes  
 Número de los orificios  
Nombre de trous  
Numero di fori



**Kleinfragmentschrauben**  
**Small Fragment Screws**  
**Tornillos para pequeños fragmentos**  
**Vis pour petits fragments**  
**Viti per frammenti piccoli**

**3.5**



Kortikalisschrauben 3,5 mm  
 Cortical screws 3,5 mm  
 Tornillos corticales 3,5 mm  
 Vis corticales 3,5 mm  
 Viti corticalis 3,5 mm



a

<b>710.35.01</b>	<b>710.36.01</b>	10 mm
<b>710.35.02</b>	<b>710.36.02</b>	12 mm
<b>710.35.03</b>	<b>710.36.03</b>	14 mm
<b>710.35.04</b>	<b>710.36.04</b>	16 mm
<b>710.35.05</b>	<b>710.36.05</b>	18 mm
<b>710.35.06</b>	<b>710.36.06</b>	20 mm
<b>710.35.07</b>	<b>710.36.07</b>	22 mm
<b>710.35.08</b>	<b>710.36.08</b>	24 mm
<b>710.35.09</b>	<b>710.36.09</b>	26 mm
<b>710.35.10</b>	<b>710.36.10</b>	28 mm
<b>710.35.11</b>	<b>710.36.11</b>	30 mm
<b>710.35.12</b>	<b>710.36.12</b>	32 mm
<b>710.35.13</b>	<b>710.36.13</b>	34 mm
<b>710.35.14</b>	<b>710.36.14</b>	36 mm
<b>710.35.15</b>	<b>710.36.15</b>	38 mm
<b>710.35.16</b>	<b>710.36.16</b>	40 mm
<b>710.35.17</b>	<b>710.36.17</b>	45 mm
<b>710.35.18</b>	<b>710.36.18</b>	50 mm
<b>710.35.19</b>	<b>710.36.19</b>	55 mm
<b>710.35.20</b>	<b>710.36.20</b>	60 mm
<b>710.35.21</b>	<b>710.36.21</b>	65 mm
<b>710.35.22</b>	<b>710.36.22</b>	70 mm
<b>710.35.23</b>	<b>710.36.23</b>	75 mm
<b>710.35.24</b>	<b>710.36.24</b>	80 mm
<b>710.35.25</b>	<b>710.36.25</b>	85 mm
<b>710.35.26</b>	<b>710.36.26</b>	90 mm
<b>710.35.27</b>	<b>710.36.27</b>	95 mm
<b>710.35.28</b>	<b>710.36.28</b>	100 mm
<b>710.35.29</b>	<b>710.36.29</b>	105 mm
<b>710.35.30</b>	<b>710.36.30</b>	110 mm
<b>710.35.31</b>	<b>710.36.31</b>	115 mm
<b>710.35.32</b>	<b>710.36.32</b>	120 mm



3,5 mm



2,4 mm

Gewindesteigung 1,25 mm  
 Thread pitch 1,25 mm  
 Paso de rosca 1,25 mm  
 Distance entre filetage de 1,25 mm  
 Passo del filetto 1,25 mm

Bohrer für Gewindeloch 2,5 mm siehe Seite 51  
 Drills for threaded hole 2,5 mm see page 51  
 Brocas para orificio roscado 2,5 mm vea la página 51  
 Forets pour trou fileté de 2,5 mm voir page 51  
 Perforatori per foro filettato 2,5 mm vedi pagina 51

Bohrer für Gleitloch 3,5 mm siehe Seite 51  
 Drills for sliding hole 3,5 mm see page 51  
 Brocas para orificio de deslizamiento 3,5 mm vea la página 51  
 Forets pour trou lisse de 3,5 mm voir page 51  
 Perforatori per foro di scorrimento 3,5 mm vedi pagina 51

Gewindeschneider 3,5 mm siehe Seite 51  
 Taps 3,5 mm see page 51  
 Roscadores 3,5 mm veáse página 51  
 Tarauds 3,5 mm voir page 51  
 Filettatori 3,5 mm vedi pagina 51



Verpackungseinheit "X" Stück  
 Packing unit "X" pieces  
 Paquete de "X" unidades  
 Emballage de "X" pièces  
 Confezione da "X" pezzi



selbstschneidend  
 self-tapping  
 rosca cortante  
 autotaraudeuse  
 autofilettanti



Standard  
 Standard  
 Estandar  
 Standard  
 Standard



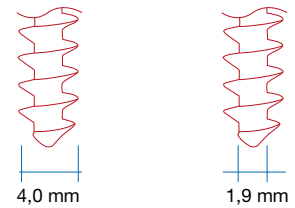
**Kleinfragmentschrauben**  
**Small Fragment Screws**  
**Tornillos para pequeños fragmentos**  
**Vis pour petits fragments**  
**Viti per frammenti piccoli**



Spongiosaschrauben 4,0 mm  
 Spongiosa screws 4,0 mm  
 Tornillos esponjosos 4,0 mm  
 Vis spongieuse 4,0 mm  
 Viti spongiosa 4,0 mm

P 5	[Red Thread Icon]	a		[Red Thread Icon]	b	
		[Red Thread Icon]	[Red Thread Icon]		[Red Thread Icon]	[Red Thread Icon]

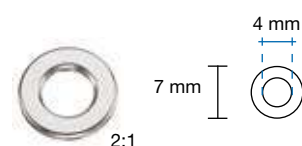
<b>710.40.01</b>	10 mm	<b>710.41.01</b>	10 mm	5 mm
<b>710.40.02</b>	12 mm	<b>710.41.02</b>	12 mm	5 mm
<b>710.40.03</b>	14 mm	<b>710.41.03</b>	14 mm	5 mm
<b>710.40.04</b>	16 mm	<b>710.41.04</b>	16 mm	6 mm
<b>710.40.05</b>	18 mm	<b>710.41.05</b>	18 mm	7 mm
<b>710.40.06</b>	20 mm	<b>710.41.06</b>	20 mm	8 mm
<b>710.40.07</b>	22 mm	<b>710.41.07</b>	22 mm	9 mm
<b>710.40.08</b>	24 mm	<b>710.41.08</b>	24 mm	10 mm
<b>710.40.09</b>	26 mm	<b>710.41.09</b>	26 mm	12 mm
<b>710.40.10</b>	28 mm	<b>710.41.10</b>	28 mm	14 mm
<b>710.40.11</b>	30 mm	<b>710.41.11</b>	30 mm	14 mm
<b>710.40.12</b>	32 mm	<b>710.41.12</b>	32 mm	14 mm
<b>710.40.13</b>	34 mm	<b>710.41.13</b>	34 mm	14 mm
<b>710.40.14</b>	36 mm	<b>710.41.14</b>	36 mm	14 mm
<b>710.40.15</b>	38 mm	<b>710.41.15</b>	38 mm	14 mm
<b>710.40.16</b>	40 mm	<b>710.41.16</b>	40 mm	14 mm
<b>710.40.17</b>	42 mm	<b>710.41.17</b>	42 mm	16 mm
<b>710.40.18</b>	44 mm	<b>710.41.18</b>	44 mm	16 mm
<b>710.40.19</b>	46 mm	<b>710.41.19</b>	46 mm	16 mm
<b>710.40.20</b>	48 mm	<b>710.41.20</b>	48 mm	16 mm
<b>710.40.21</b>	50 mm	<b>710.41.21</b>	50 mm	16 mm
<b>710.40.22</b>	55 mm	<b>710.41.22</b>	55 mm	16 mm
<b>710.40.23</b>	60 mm	<b>710.41.23</b>	60 mm	16 mm



Gewindesteigung 1,75 mm  
 Thread pitch 1,75 mm  
 Paso de rosca 1,75 mm  
 Distance entre filetage de 1,75 mm  
 Passo del filetto 1,75 mm

Bohrer für Gewindeloch 2,5 mm siehe Seite 51  
 Drills for threaded hole 2,5 mm see page 51  
 Brocas para orificio roscado 2,5 mm vea la página 51  
 Forets pour trou fileté de 2,5 mm voir page 51  
 Perforatori per foro filettato 2,5 mm vedi pagina 51

Gewindeschneider 4,0 mm siehe Seite 52  
 Tap 4,0 mm see page 52  
 Roscador 4,0 mm veáse página 52  
 Taraud 4,0 mm voir page 52  
 Filettatore 4,0 mm vedi pagina 52



Unterlegscheibe für Spongiosaschrauben 4,0 mm  
 Washer for spongiosa screws 4,0 mm  
 Arandela para tornillos esponjosos 4,0 mm  
 Rondelle pour vis spongieuse 4,0 mm  
 Rondella per viti spongiosa 4,0 mm

P 5	
-----	--

**710.00.00**

Verpackungseinheit "X" Stück  
 Packing unit "X" pieces  
 Paquete de "X" unidades  
 Emballage de "X" pièces  
 Confezione da "X" pezzi

[Red Thread Icon] Vollgewinde  
 Full thread  
 Rosca completa  
 Filetage complet  
 Filetto totale

[Red Thread Icon] Teilgewinde  
 Partial thread  
 Rosca parcial  
 Filetage partiel  
 Filetto parziale

*entire colony. Here were the housing for the elite units, the*





**Kleinfragment-Instrumentarium**  
**Small Fragment Instrumentation**  
**Instrumental para pequeños fragmentos**  
**Instruments pour petits fragments**  
**Strumenti per frammenti piccoli**

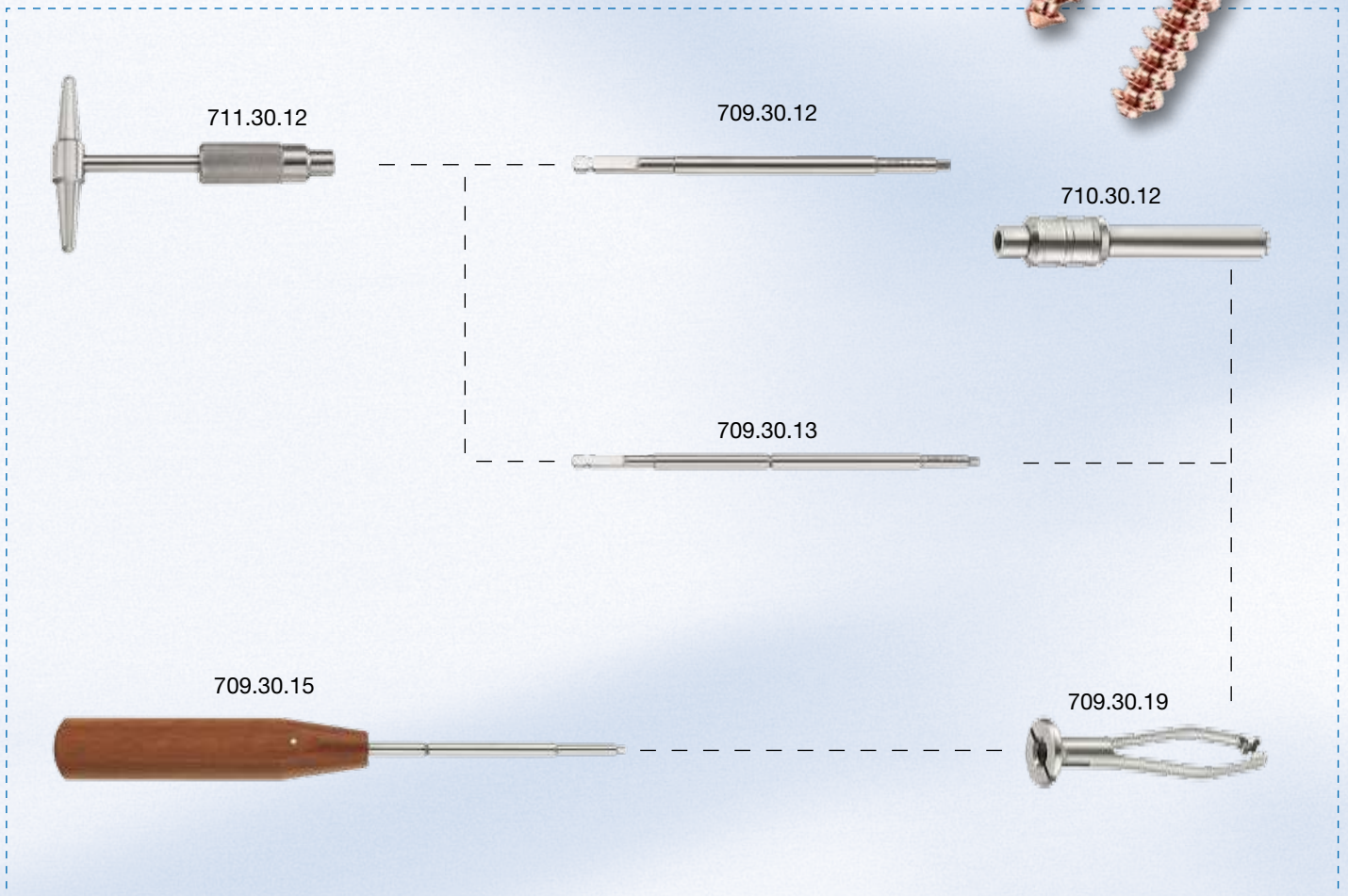
**3.5**

**4.0**

Übersicht Schraubendreher, Klingen und Haltehülsen für Schrauben  
Overview screwdrivers, blades and holding sleeves for screws  
Vista general de atornilladores, hojas y vainas para tornillos  
Aperçu tournevis, lames et douilles pour tenir les vis  
Visione generale del cacciavite, lame e boccole per viti

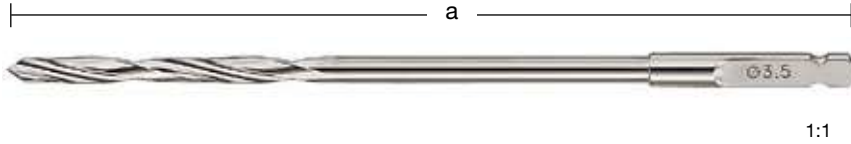


**für Kortikalisschrauben 3,5 mm und Spongiaschrauben 4,0 mm**  
**for cortical screws 3,5 mm and spongiosa screws 4,0 mm**  
**para tornillos corticales 3,5 mm y tornillos esponjosos 4,0 mm**  
**pour vis corticales 3,5 mm et vis spongieuses 4,0 mm**  
**per viti corticalis 3,5 mm e viti spongiosa 4,0 mm**



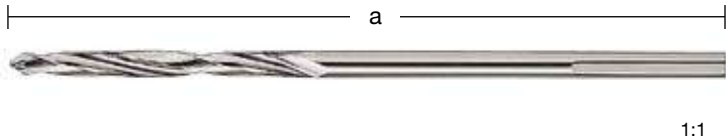
3.5 4.0

**Kleinfragment-Instrumentarium**  
**Small Fragment Instrumentation**  
**Instrumental para pequeños fragmentos**  
**Instruments pour petits fragments**  
**Strumenti per frammenti piccoli**



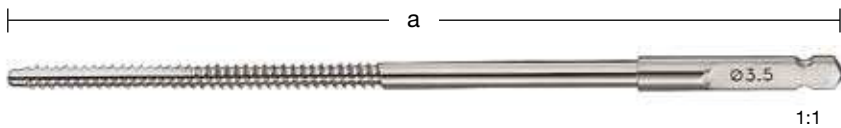
Bohrer für Schnellkupplung  
Drills for quick coupling  
Brocas para acoplamiento rápido  
Forets pour accouplement rapide  
Perforatori per accoppiamento rapido

	a	Ø
<b>710.30.13</b>	110 mm	2,5 mm
<b>710.30.14</b>	180 mm	2,5 mm
<b>710.30.15</b>	110 mm	3,5 mm
<b>710.30.16</b>	145 mm	3,5 mm
<b>710.30.17</b>	195 mm	3,5 mm



Bohrer für Dreibackenspannfutter  
Drills for three-jaw chuck  
Brocas para plato de tres mordazas  
Forets pour mandrin à trois mâchoires  
Perforatori per mandrino a tre ganasce

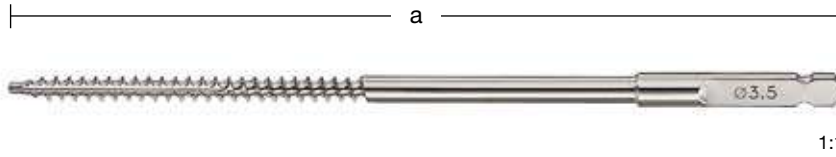
	a	Ø
<b>710.30.18</b>	95 mm	2,5 mm
<b>710.30.19</b>	95 mm	3,5 mm
<b>710.30.20</b>	180 mm	3,5 mm



Gewindeschneider für Schnellkupplung  
Tap for quick coupling  
Roscador para acoplamiento rápido  
Taraud pour accouplement rapide  
Filettatore per accoppiamento rapido

	a	Ø
<b>710.30.21</b>	110 mm	3,5 mm

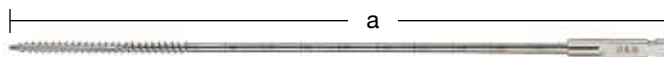
für Kortikalisschrauben  
for cortical screws  
para tornillos corticales  
pour vis corticales  
per viti corticalis



Gewindeschneider für Schnellkupplung  
 Taps for quick coupling  
 Roscadores para acoplamiento rápido  
 Tarauds pour accouplement rapide  
 Filettatori per accoppiamento rapido

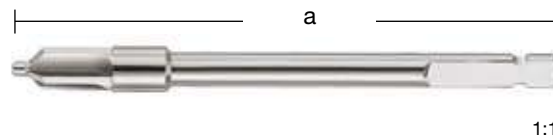
		a	Ø
für Spongiaschrauben for spongiosa screws	<b>710.30.22</b>	110 mm	3,5 mm
para tornillos esponjosos pour vis spongieuses per viti spongiosa	<b>710.30.23</b>	110 mm	4,0 mm

kalibriert  
 calibrated  
 calibrado  
 calibré  
 calibrato



Gewindeschneider für Schnellkupplung  
 Tap for quick coupling  
 Roscador para acoplamiento rápido  
 Taraud pour accouplement rapide  
 Filettatore per accoppiamento rapido

		a	Ø
für Kortikalisschrauben for cortical screws para tornillos corticales pour vis corticales per viti corticalis	<b>710.30.24</b>	175 mm	3,5 mm



Kopfraumfräser für Schnellkupplung  
 Countersink for quick coupling  
 Fresa para acoplamiento rápido  
 Fraise pour accouplement rapide  
 Fresa per accoppiamento rapido

		a
für Schrauben Ø 3,5 / 4,0 mm for screws Ø 3,5 / 4,0 mm para tornillos Ø 3,5 / 4,0 mm pour vis Ø 3,5 / 4,0 mm per viti Ø 3,5 / 4,0 mm	<b>709.30.31</b>	72 mm



Universalbohrbuchse  
 Universal drill sleeve  
 Casquillo de taladrar universal  
 Douille de forage universel  
 Centrapunta universale



<b>710.30.10</b>	3,5 mm	2,5 mm
------------------	--------	--------



Bohrbuchse neutral und exzentrisch  
 Drill sleeve sleeve neutral and excentric  
 Casquillo de taladrar neutral y excéntrico  
 Douille de forage neutre et excentrique  
 Bussola di foratura neutrale e eccentrica



für Schrauben Ø 3,5 mm  
 for screws Ø 3,5 mm  
 para tornillos Ø 3,5 mm  
 pour vis Ø 3,5 mm  
 per viti Ø 3,5 mm

<b>710.30.11</b>	2,5 mm
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Steckbohrbuchse  
 Insert drill sleeve  
 Casquillo de insercion  
 Fixation douille de forage  
 Centrapunta retta

<b>710.30.08</b>
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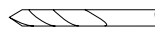
Doppelbohrbuchse  
 Double drill sleeve  
 Casquillo de taladrar doble  
 Double douilles de forage  
 Bussola di foratura doppia



<b>710.30.09</b>	3,5 mm	2,5 mm
------------------	--------	--------



für Gewindeschneider  
 for taps  
 para roscadores  
 pour tarauds  
 per filettatori



für Bohrer  
 for drills  
 para brocas  
 pour forets  
 per perforatori





**Kleinfragment-Instrumentarium**  
**Small Fragment Instrumentation**  
**Instrumental para pequeños fragmentos**  
**Instruments pour petits fragments**  
**Strumenti per frammenti piccoli**

**3.5**

**4.0**



1:1

Parallel Bohrbuchse  
 Parallel drill sleeve  
 Casquillo de taladrar paralelo  
 Douille de forage parallèle  
 Bussola di foratura parallela



**709.30.05**

2,0 mm



1:1

Plattenspanner mit Kraftanzeige  
 Plate tensioner with gauge  
 Extensor de placa con indicacion de fuerza  
 Plaque à tension avec gauge  
 Tenditore di placche con indicatore di forza



**710.30.25**



Ring / Gabelschlüssel 11 mm  
 Combination wrench 11 mm  
 Llave bifurcada/anular 11 mm  
 Clé torse combination 11 mm  
 Chiave anello/forchetta 11 mm



**710.30.26**

für Bohrer  
 for drills  
 para brocas  
 pour forets  
 per perforatori





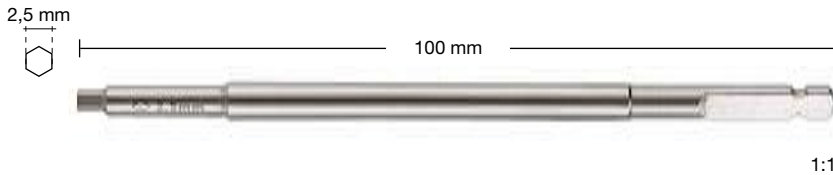
3.5 4.0

**Kleinfragment-Instrumentarium**  
**Small Fragment Instrumentation**  
**Instrumental para pequeños fragmentos**  
**Instruments pour petits fragments**  
**Strumenti per frammenti piccoli**



T-Griff, klein, mit Schnellkupplung  
T-Handle, small, with quick coupling  
Mango en T, pequeño, con acoplamiento rápido  
Manche en T, petit, avec accouplement rapide  
Manico a T, piccolo, con accoppiamento rapido

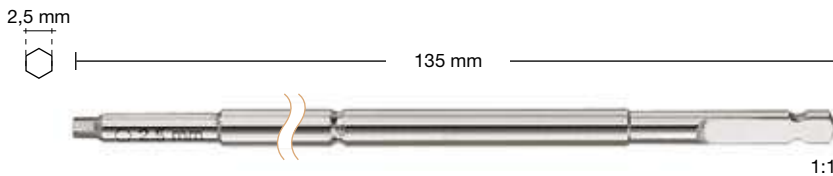
**711.30.12**



Schraubendrehereinsatz Sechskant  
Screwdriver insert hexagonal  
Inserto para atornillador hexagonal  
Insert de tournevis hexagonal  
Inserto per cacciavite esagonale

**709.30.12**

für Schnellkupplung  
for quick coupling  
para acoplamiento rápido  
pour accouplement rapide  
per accoppiamento rapido



Schraubendrehereinsatz Sechskant  
Screwdriver insert hexagonal  
Inserto para atornillador hexagonal  
Insert de tournevis hexagonal  
Inserto per cacciavite esagonale

**709.30.13**

für Schnellkupplung  
for quick coupling  
para acoplamiento rápido  
pour accouplement rapide  
per accoppiamento rapido



Schraubendreher Sechskant  
Screwdriver hexagonal  
Atornillador hexagonal  
Tournevis hexagonal  
Cacciavite esagonale

**NOVOTEX**

**709.30.15** 20 cm 8"



1:1

Haltehülse für Schrauben  
Holding sleeve for screws  
Vaina para tornillos  
Douille pour tenir les vis  
Boccola per viti

für Schrauben Ø 3,5 / 4,0 mm  
for screws Ø 3,5 / 4,0 mm  
para tornillos Ø 3,5 / 4,0 mm  
pour vis Ø 3,5 / 4,0 mm  
per viti Ø 3,5 / 4,0 mm

**710.30.12**



1:1

Haltehülse für Schrauben  
Holding sleeve for screws  
Vaina para tornillos  
Douille pour tenir les vis  
Boccola per viti

für Schrauben Ø 3,5 / 4,0 mm  
for screws Ø 3,5 / 4,0 mm  
para tornillos Ø 3,5 / 4,0 mm  
pour vis Ø 3,5 / 4,0 mm  
per viti Ø 3,5 / 4,0 mm

**709.30.19**



Schraubenhaltepinzette  
Screw holding forceps  
Pinza para agarrar tornillos  
Pince pour tenir les vis  
Pinza per tenere viti

**709.30.40**



Tiefenmessgerät, klein  
Depth gauge, small  
Medidor de profundidad, pequeño  
Jauge de profondeur, petit  
Strumento per misurare la profondità, piccolo

für Schrauben Ø 3,5 / 4,0 mm  
for screws Ø 3,5 / 4,0 mm  
para tornillos Ø 3,5 / 4,0 mm  
pour vis Ø 3,5 / 4,0 mm  
per viti Ø 3,5 / 4,0 mm

**710.30.07**

3.5 4.0

**Kleinfragment-Instrumentarium**  
**Small Fragment Instrumentation**  
**Instrumental para pequeños fragmentos**  
**Instruments pour petits fragments**  
**Strumenti per frammenti piccoli**



Biegeeisen für Platten 3,5 mm  
Bending lever for plates 3,5 mm  
Palanca para doblar placas 3,5 mm  
Levier de pliage pour plaques 3,5 mm  
Leva piegaplacche per placche 3,5 mm

rechts  
right  
derecha  
droit  
destra

**709.30.01**



Biegeeisen für Platten 3,5 mm  
Bending lever for plates 3,5 mm  
Palanca para doblar placas 3,5 mm  
Levier de pliage pour plaques 3,5 mm  
Leva piegaplacche per placche 3,5 mm

links  
left  
izquierda  
gauche  
sinistra

**709.30.02**



Biegebolzen für Kirschner Drähte bis 2,7 mm  
Bending bolt for Kirschner wires up to 2,7 mm  
Perno para doblar brocas de Kirschner 2,7 mm  
Levier de pliage pour broches de Kirschner 2,7 mm  
Leva per piegare fili di Kirschner 2,7 mm

**710.30.00**



Biegeschablonen 3,5 mm  
Bending templates 3,5 mm  
Placas de premoldeación 3,5 mm  
Plaques de préformation 3,5 mm  
Placche sagomabili 3,5 mm

**710.30.01**

⑤

**710.30.02**

⑦

**710.30.03**

⑨

**710.30.04**

⑫

Anzahl der Löcher  
Number of holes  
Número de los orificios  
Nombre de trous  
Numero di fori

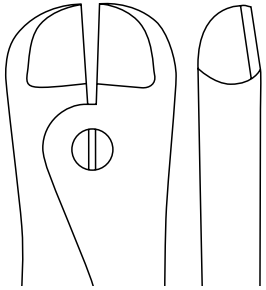
⊗



**Kleinfragment-Instrumentarium**  
**Small Fragment Instrumentation**  
**Instrumental para pequeños fragmentos**  
**Instruments pour petits fragments**  
**Strumenti per frammenti piccoli**

**3.5**

**4.0**



Platten- und Drahtschneidezange  
 Plate and wire cutting forceps  
 Pinza para cortar placas y alambre  
 Pince pour couper les plaques et les fils  
 Pinza per tagliare placche e fili

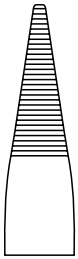


**"HM"**

1,6 mm 2,0 mm

**14.30.17**

17,5 cm - 7"



Flachzange  
 Flat nose pliers  
 Alicates plano  
 Pince plate  
 Tenaglia piatta



**76.45.19**

19 cm - 7½"



Reinigungshaken  
 Cleaning hook  
 Gancho para limpieza  
 Crochet pour nettoyage  
 Uncino per pulizia



**351.64.01**

16 cm - 6¼"

**"HM"**

Hartmetall  
 Tungsten carbide  
 Carburo de tungsteno  
 Carbure de tungstène  
 Carbuo di tungsteno

max. Ø

harte Drähte  
 hard wires  
 alambres duros  
 fils durs  
 fili duri

max. Ø

weiche Drähte  
 soft wires  
 alambres blandos  
 fils mous  
 fili dolci

3.5

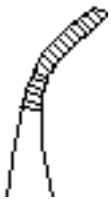
4.0

**Kleinfragment-Instrumentarium**  
**Small Fragment Instrumentation**  
**Instrumental para pequeños fragmentos**  
**Instruments pour petits fragments**  
**Strumenti per frammenti piccoli**



Knochenhaltezeuge  
 Bone holding forceps  
 Pinza para huesos  
 Davier à os  
 Tenaglia per ossa

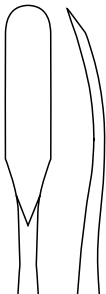
**35.11.13** | 13,5 cm - 5<sup>3</sup>/<sub>8</sub>"



Knochenhaltezeuge  
 Bone holding forceps  
 Pinza para huesos  
 Davier à os  
 Tenaglia per ossa

**35.14.14** | 14 cm - 5<sup>1</sup>/<sub>2</sub>"

6 mm

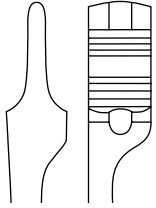


Raspatorium  
 Raspatory  
 Legra  
 Rugine  
 Periostotomo

**NOVOTEX**

**26.64.26** | 18,5 cm - 7<sup>1</sup>/<sub>4</sub>"



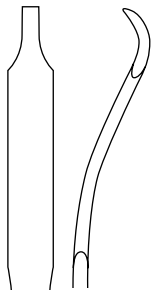


Knochenhaltezange, selbstzentrierend  
 Bone holding forceps, self-centering  
 Pinza para huesos, autocentrando  
 Davier à os, autocentrant  
 Tenaglia per ossa, autocentrante

**Verbrugge**

**35.76.19**

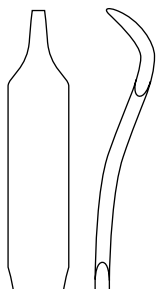
19 cm - 7½"



Knochenhebel  
 Bone lever  
 Elevador para hueso  
 Levier à os  
 Elevatore per ossa

**78.35.11**

16 cm - 6¼"



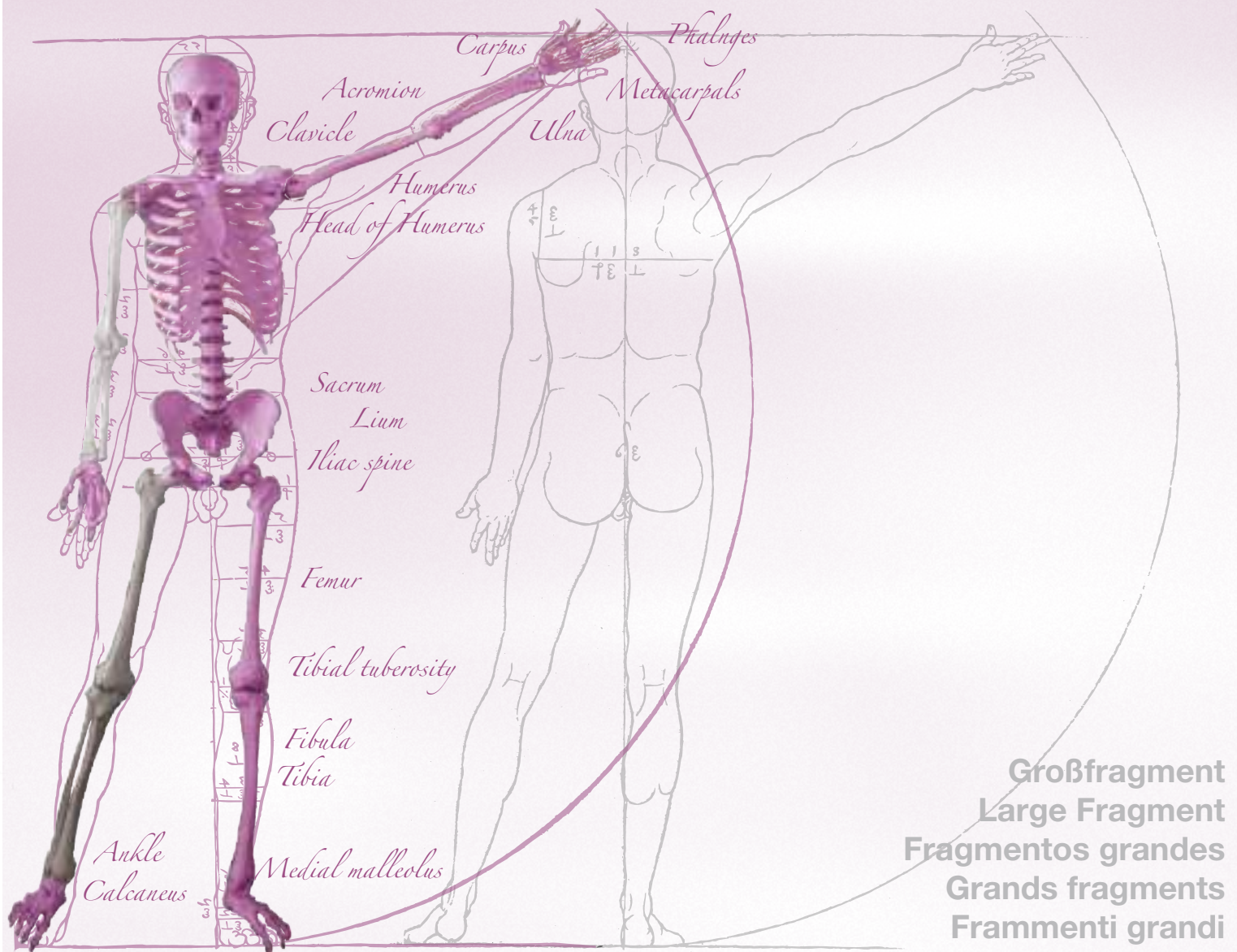
Knochenhebel  
 Bone lever  
 Elevador para hueso  
 Levier à os  
 Elevatore per ossa

**78.35.12**

16 cm - 6¼"

# ORTHO PAEDICS

## IMPLANTS AND INSTRUMENTS



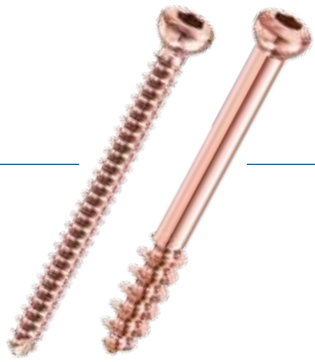
Großfragment  
Large Fragment  
Fragmentos grandes  
Grands fragments  
Frammenti grandi



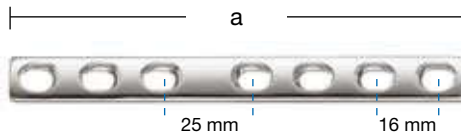
**Großfragmentplatten**  
**Large Fragment Plates**  
**Placas para fragmentos grandes**  
**Plaques pour grands fragments**  
**Placche per frammenti grandi**

**4.5**

**6.5**

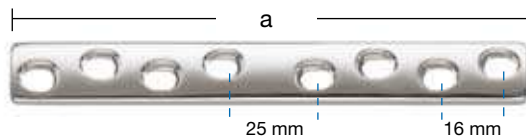


für Kortikalisschrauben **4,5 mm** und Spongiosaschrauben **6,5 mm**  
 for cortical screws **4,5 mm** and spongiosa screws **6,5 mm**  
 para tornillos corticales **4,5 mm** y tornillos esponjosos **6,5 mm**  
 pour vis corticales **4,5 mm** et vis spongieuses **6,5 mm**  
 per viti corticalis **4,5 mm** e viti spongiosa **6,5 mm**



Schmale Kompressionsplatten  
 Compression plates narrow  
 Placas de compresión estrechas  
 Plaques de compression étroites  
 Placche di compressione strette

$\frac{4,0 \text{ mm}}{\blacktriangle}$	$\frac{12 \text{ mm}}{\blacktriangleleft}$	a	
<b>711.00.02</b>	39 mm	(2)	
<b>711.00.03</b>	55 mm	(3)	
<b>711.00.04</b>	71 mm	(4)	
<b>711.00.05</b>	87 mm	(5)	
<b>711.00.06</b>	103 mm	(6)	
<b>711.00.07</b>	119 mm	(7)	
<b>711.00.08</b>	135 mm	(8)	
<b>711.00.09</b>	151 mm	(9)	
<b>711.00.10</b>	167 mm	(10)	
<b>711.00.11</b>	183 mm	(11)	
<b>711.00.12</b>	199 mm	(12)	
<b>711.00.13</b>	215 mm	(13)	
<b>711.00.14</b>	231 mm	(14)	
<b>711.00.15</b>	247 mm	(15)	
<b>711.00.16</b>	263 mm	(16)	
<b>711.00.18</b>	295 mm	(18)	



Breite Kompressionsplatten  
 Compression plates wide  
 Placas de compresión anchas  
 Plaques de compression larges  
 Placche di compressione larghe

$\frac{5,0 \text{ mm}}{\blacktriangle}$	$\frac{16,2 \text{ mm}}{\blacktriangleleft}$	a	
<b>711.01.05</b>	87 mm	(5)	
<b>711.01.06</b>	103 mm	(6)	
<b>711.01.07</b>	119 mm	(7)	
<b>711.01.08</b>	135 mm	(8)	
<b>711.01.09</b>	151 mm	(9)	
<b>711.01.10</b>	167 mm	(10)	
<b>711.01.11</b>	183 mm	(11)	
<b>711.01.12</b>	199 mm	(12)	
<b>711.01.13</b>	215 mm	(13)	
<b>711.01.14</b>	231 mm	(14)	
<b>711.01.15</b>	247 mm	(15)	
<b>711.01.16</b>	263 mm	(16)	
<b>711.01.18</b>	295 mm	(18)	

$\frac{\blacktriangledown}{x}$  Plattendicke  
 Thickness of plates  
 Grosor de las placa  
 $\frac{\blacktriangle}{x}$  Epaisseur des plaques  
 Spessore delle placche

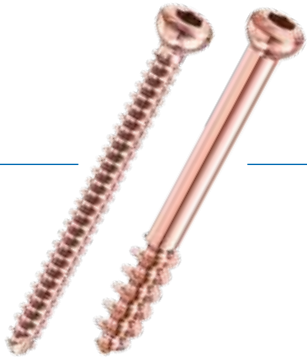
$\frac{\blacktriangleleft}{x}$  Plattenbreite  
 Width of plates  
 Ancho de la placa  
 $\frac{\blacktriangleright}{x}$  Largeur des plaques  
 Larghezza delle placche

$\textcircled{x}$  Anzahl der Löcher  
 Number of holes  
 Número de los orificios  
 Nombre de trous  
 Numero di fori

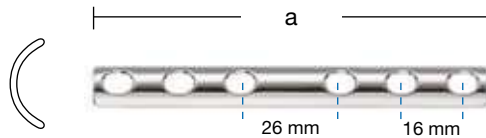
*Just a few days after completion, an SOS signal was picked up*

**4.5 6.5**

**Großfragmentplatten**  
**Large Fragment Plates**  
**Placas para fragmentos grandes**  
**Plaques pour grands fragments**  
**Placche per frammenti grandi**

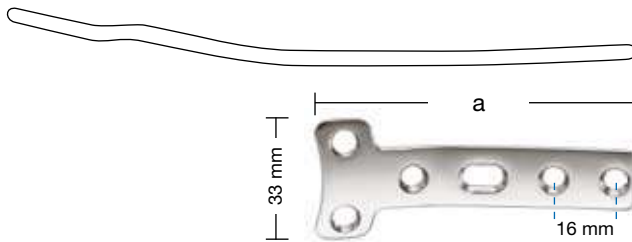


für Kortikalisschrauben **4,5 mm** und Spongiaschrauben **6,5 mm**  
 for cortical screws **4,5 mm** and spongiosa screws **6,5 mm**  
 para tornillos corticales **4,5 mm** y tornillos esponjosos **6,5 mm**  
 pour vis corticales **4,5 mm** et vis spongieuses **6,5 mm**  
 per viti corticalis **4,5 mm** e viti spongiosa **6,5 mm**



Halbrohrplatten  
 Semi tubular plates  
 Placas 1/2 tubo  
 Plaques semi tubulaires  
 Placche semitubolari

$\frac{1,1 \text{ mm}}{\blacktriangle}$	$\frac{11,6 \text{ mm}}{\blacktriangleleft}$	a	
		39 mm	②
		55 mm	③
		71 mm	④
		87 mm	⑤
		103 mm	⑥
		119 mm	⑦
		135 mm	⑧
		151 mm	⑨
		167 mm	⑩
		183 mm	⑪
		199 mm	⑫



T-Platten groß  
 T-Plates large  
 T-Placas grandes  
 Grandes Plaques en T  
 T-Placche grandi

$\frac{2,0 \text{ mm}}{\blacktriangle}$	$\frac{17 \text{ mm}}{\blacktriangleleft}$	a	
		68 mm	③
		84 mm	④
		100 mm	⑤
		116 mm	⑥
		134 mm	⑦
		148 mm	⑧

▼ Plattendicke  
 Thickness of plates  
 Grosor de las placa  
 ▲ Epaisseur des plaques  
 Spessore delle placche

▢ Plattenbreite  
 Width of plates  
 Ancho de la placa  
 Largeur des plaques  
 Larghezza delle placche

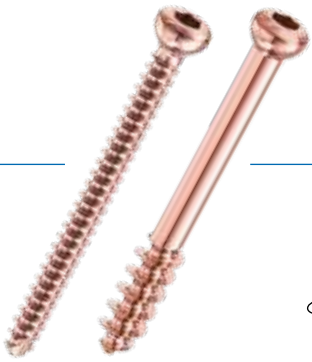
⊗ Anzahl der Löcher  
 Number of holes  
 Número de los orificios  
 Nombre de trous  
 Numero di fori



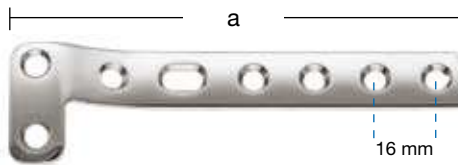
**Großfragmentplatten**  
**Large Fragment Plates**  
**Placas para fragmentos grandes**  
**Plaques pour grands fragments**  
**Placche per frammenti grandi**

**4.5**

**6.5**



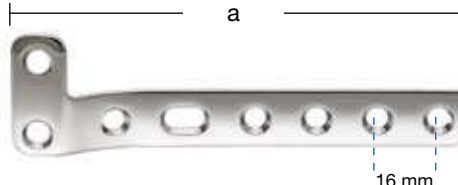
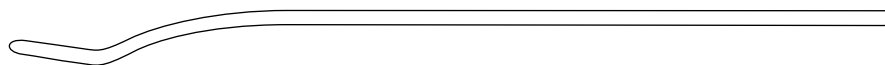
für Kortikalisschrauben **4,5 mm** und Spongiosaschrauben **6,5 mm**  
 for cortical screws **4,5 mm** and spongiosa screws **6,5 mm**  
 para tornillos corticales **4,5 mm** y tornillos esponjosos **6,5 mm**  
 pour vis corticales **4,5 mm** et vis spongieuses **6,5 mm**  
 per viti corticalis **4,5 mm** e viti spongiosa **6,5 mm**



L-Abstützplatten  
 L-Buttress plates  
 L-Placas para apoyar  
 Plaques d'appui en L  
 L-Placche di sostegno



links abgewinkelt (für rechtes Bein) angled left (for right leg) angulada hacia izquierda (para pierna derecha) coudée à gauche (pour jambe droite) angolato sinistra (per gamba destra)	<b>711.06.04</b>	87 mm	④
	<b>711.06.06</b>	119 mm	⑥
	<b>711.06.08</b>	151 mm	⑧



L-Abstützplatten  
 L-Buttress plates  
 L-Placas para apoyar  
 Plaques d'appui en L  
 L-Placche di sostegno



rechts abgewinkelt (für linkes Bein) angled right (for left leg) angulada hacia derecha (para pierna izquierda) coudée à droite (pour jambe gauche) angolato destra (per gamba sinistra)	<b>711.07.04</b>	87 mm	④
	<b>711.07.06</b>	119 mm	⑥
	<b>711.07.08</b>	151 mm	⑧

▼  
x  
▲  
Plattendicke  
Thickness of plates  
Grosor de las placa  
Epaisseur des plaques  
Spessore delle placche

▶ x ◀  
Plattenbreite  
Width of plates  
Ancho de la placa  
Largeur des plaques  
Larghezza delle placche

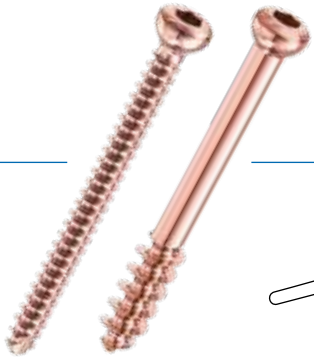
⊗  
Anzahl der Löcher  
Number of holes  
Número de los orificios  
Nombre de trous  
Numero di fori

*me?? Shhhhh": The frequency was passed from Frank to Lee to the*

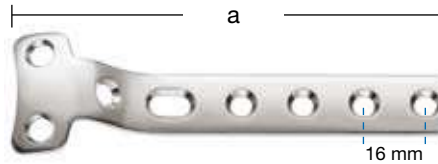
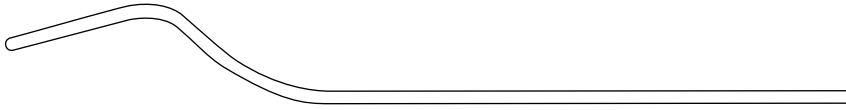


**4.5 6.5**

**Großfragmentplatten**  
**Large Fragment Plates**  
**Placas para fragmentos grandes**  
**Plaques pour grands fragments**  
**Placche per frammenti grandi**



für Kortikalisschrauben **4,5 mm** und Spongiosaschrauben **6,5 mm**  
 for cortical screws **4,5 mm** and spongiosa screws **6,5 mm**  
 para tornillos corticales **4,5 mm** y tornillos esponjosos **6,5 mm**  
 pour vis corticales **4,5 mm** et vis spongieuses **6,5 mm**  
 per viti corticalis **4,5 mm** e viti spongiosa **6,5 mm**



T-Abstützplatten  
 T-Buttress plates  
 T-Placas para apoyar  
 Plaques d'appui en T  
 T-Placche di sostegno

	2,0 mm	17 mm	a	
<b>711.08.04</b>			84 mm	④
<b>711.08.05</b>			100 mm	⑤
<b>711.08.06</b>			116 mm	⑥
<b>711.08.08</b>			148 mm	⑧



Löffelplatten  
 Spoon plates  
 Placas en forma de cuchara  
 Plaques cuillère  
 Placche cucchiaio

	2,0 mm	34 mm	a	
<b>711.09.05</b>			100 mm	⑤
<b>711.09.06</b>			120 mm	⑥

▼  
 x  
 ▲  
 Plattendicke  
 Thickness of plates  
 Grosor de las placa  
 Epaisseur des plaques  
 Spessore delle placche

▶ x ◀  
 Plattenbreite  
 Width of plates  
 Ancho de la placa  
 Largeur des plaques  
 Larghezza delle placche

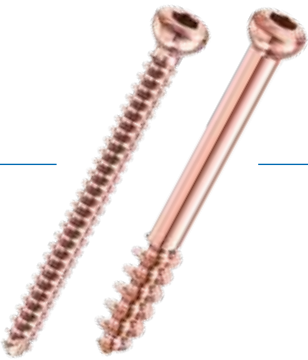
⊗  
 Anzahl der Löcher  
 Number of holes  
 Número de los orificios  
 Nombre de trous  
 Numero di fori



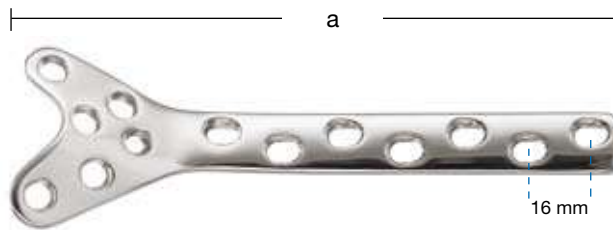
**Großfragmentplatten**  
**Large Fragment Plates**  
**Placas para fragmentos grandes**  
**Plaques pour grands fragments**  
**Placche per frammenti grandi**

**4.5**

**6.5**



für Kortikalisschrauben **4,5 mm** und Spongiosaschrauben **6,5 mm**  
 for cortical screws **4,5 mm** and spongiosa screws **6,5 mm**  
 para tornillos corticales **4,5 mm** y tornillos esponjosos **6,5 mm**  
 pour vis corticales **4,5 mm** et vis spongieuse **6,5 mm**  
 per viti corticalis **4,5 mm** e viti spongiosa **6,5 mm**

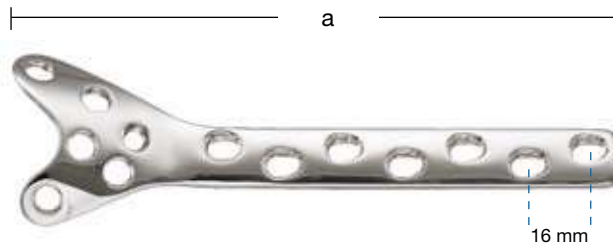


Kondylenabstützplatten, distal  
 Condylar buttress plates, distal  
 Placas condilares para apoyar, distal  
 Plaques d'appui condilaire, distales  
 Placche condilari per sostegno, distale



für linkes Bein  
 for left leg  
 para pierna izquierda  
 pour jambe gauche  
 per gamba sinistra

	a	
<b>711.10.07</b>	158 mm	⑦
<b>711.10.09</b>	190 mm	⑨
<b>711.10.11</b>	222 mm	⑪
<b>711.10.13</b>	254 mm	⑬
<b>711.10.15</b>	286 mm	⑮



Kondylenabstützplatten, distal  
 Condylar buttress plates, distal  
 Placas condilares para apoyar, distal  
 Plaques d'appui condilaire, distales  
 Placche condilari per sostegno, distale



für rechtes Bein  
 for right leg  
 para pierna derecha  
 pour jambe droite  
 per gamba destra

	a	
<b>711.11.07</b>	158 mm	⑦
<b>711.11.09</b>	190 mm	⑨
<b>711.11.11</b>	222 mm	⑪
<b>711.11.13</b>	254 mm	⑬
<b>711.11.15</b>	286 mm	⑮

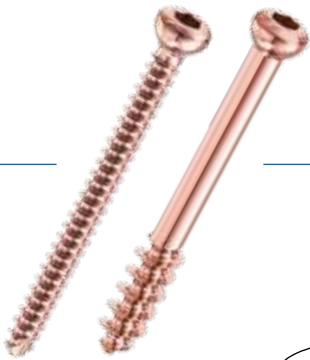
▼  
x  
▲  
Plattendicke  
Thickness of plates  
Grosor de las placa  
Epaisseur des plaques  
Spessore delle placche

▶ x ◀  
Plattenbreite  
Width of plates  
Ancho de la placa  
Largeur des plaques  
Larghezza delle placche

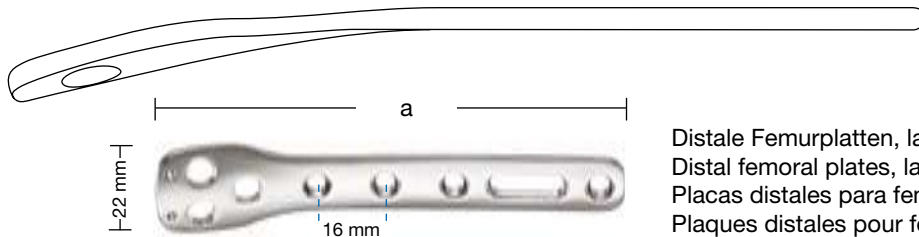
⊗  
Anzahl der Löcher  
Number of holes  
Número de los orificios  
Nombre de trous  
Numero di fori

**4.5 6.5**

**Großfragmentplatten  
Large Fragment Plates  
Placas para fragmentos grandes  
Plaques pour grands fragments  
Placche per frammenti grandi**

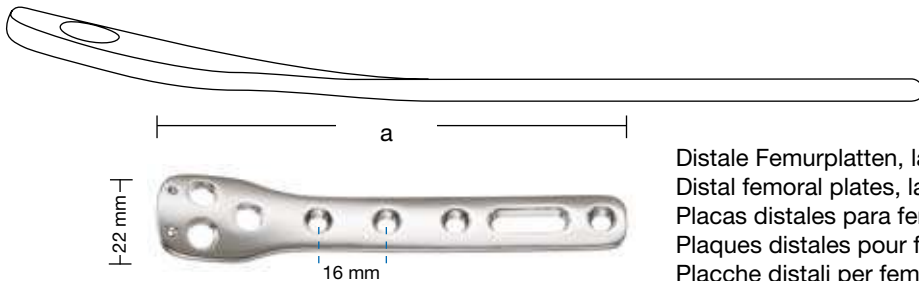


für Kortikalisschrauben **4,5 mm** und Spongiaschrauben **6,5 mm**  
for cortical screws **4,5 mm** and spongiosa screws **6,5 mm**  
para tornillos corticales **4,5 mm** y tornillos esponjosos **6,5 mm**  
pour vis corticales **4,5 mm** et vis spongieuse **6,5 mm**  
per viti corticalis **4,5 mm** e viti spongiosa **6,5 mm**



Distale Femurplatten, lateral  
Distal femoral plates, lateral  
Placas distales para femur, lateral  
Plaques distales pour femur, latérales  
Placche distali per femore, laterale

	3,2 mm	16 mm	a	
für linkes Bein for left leg para pierna izquierda pour jambe gauche per gamba sinistra				
			<b>711.12.05</b>	80 mm (5)
			<b>711.12.07</b>	122 mm (7)
			<b>711.12.09</b>	158 mm (9)
			<b>711.12.11</b>	194 mm (11)
			<b>711.12.13</b>	230 mm (13)



Distale Femurplatten, lateral  
Distal femoral plates, lateral  
Placas distales para femur, lateral  
Plaques distales pour femur, latérales  
Placche distali per femore, laterale

	3,2 mm	16 mm	a	
für rechtes Bein for right leg para pierna derecha pour jambe droite per gamba destra				
			<b>711.13.05</b>	80 mm (5)
			<b>711.13.07</b>	122 mm (7)
			<b>711.13.09</b>	158 mm (9)
			<b>711.13.11</b>	194 mm (11)
			<b>711.13.13</b>	230 mm (13)

▼ Plattendicke  
Thickness of plates  
x Grosor de las placa  
▲ Epaisseur des plaques  
Spessore delle placche

▶ x ◀ Plattenbreite  
Width of plates  
Ancho de la placa  
Largeur des plaques  
Larghezza delle placche

⊗ Anzahl der Löcher  
Number of holes  
Número de los orificios  
Nombre de trous  
Numero di fori

*yourself!!!” “Shhhhhh: Fleet captain O’Neill shhhhh severe damage*

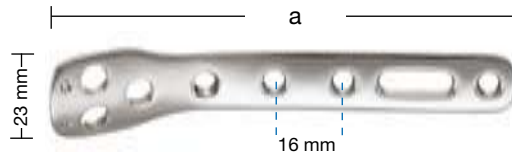
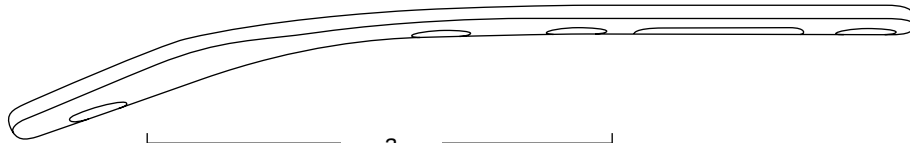
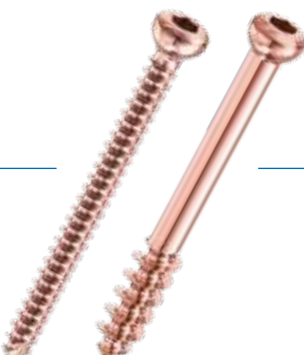


**Großfragmentplatten**  
**Large Fragment Plates**  
**Placas para fragmentos grandes**  
**Plaques pour grands fragments**  
**Placche per frammenti grandi**

**4.5**

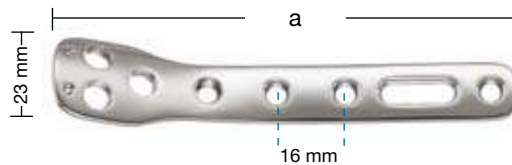
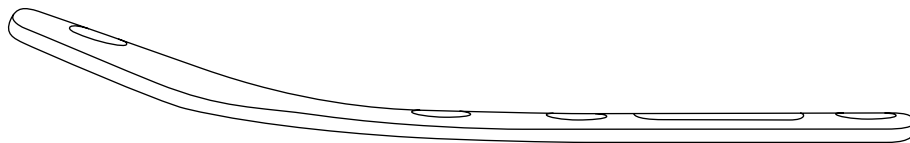
**6.5**

für Kortikalisschrauben **4,5 mm** und Spongiaschrauben **6,5 mm**  
 for cortical screws **4,5 mm** and spongiosa screws **6,5 mm**  
 para tornillos corticales **4,5 mm** y tornillos esponjosos **6,5 mm**  
 pour vis corticales **4,5 mm** et vis spongieuse **6,5 mm**  
 per viti corticalis **4,5 mm** e viti spongiosa **6,5 mm**



Proximale Tibiaplatten, lateral  
 Proximal tibial plates, lateral  
 Placas proximales para tibia, lateral  
 Plaques proximales pour tibia, latérales  
 Placche prossimali per tibia, laterale

	3,2 mm	16 mm	a	
für linkes Bein for left leg para pierna izquierda pour jambe gauche per gamba sinistra				
			80 mm	⑤
			122 mm	⑦
			158 mm	⑨
			194 mm	⑪
			230 mm	⑬



Proximale Tibiaplatten, lateral  
 Proximal tibial plates, lateral  
 Placas proximales para tibia, lateral  
 Plaques proximales pour tibia, latérales  
 Placche prossimali per tibia, laterale

	3,2 mm	16 mm	a	
für rechtes Bein for right leg para pierna derecha pour jambe droite per gamba destra				
			80 mm	⑤
			122 mm	⑦
			158 mm	⑨
			194 mm	⑪
			230 mm	⑬

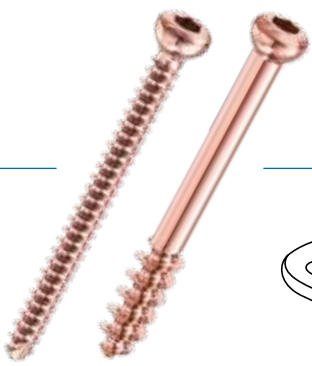
▼  
x  
▲  
Plattendicke  
Thickness of plates  
Grosor de las placa  
Epaisseur des plaques  
Spessore delle placche

► x ◄  
Plattenbreite  
Width of plates  
Ancho de la placa  
Largeur des plaques  
Larghezza delle placche

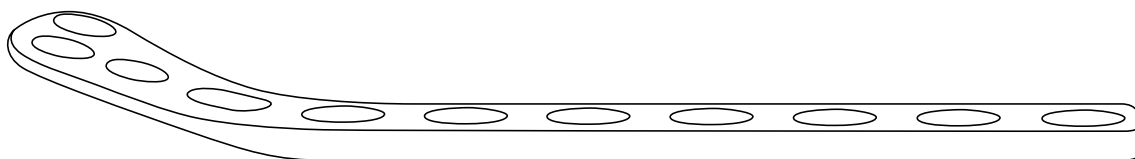
⊗  
Anzahl der Löcher  
Number of holes  
Número de los orificios  
Nombre de trous  
Numero di fori

**4.5 6.5**

**Großfragmentplatten**  
**Large Fragment Plates**  
**Placas para fragmentos grandes**  
**Plaques pour grands fragments**  
**Placche per frammenti grandi**



für Kortikalisschrauben **4,5 mm** und Spongiosaschrauben **6,5 mm**  
 for cortical screws **4,5 mm** and spongiosa screws **6,5 mm**  
 para tornillos corticales **4,5 mm** y tornillos esponjosos **6,5 mm**  
 pour vis corticales **4,5 mm** et vis spongieuse **6,5 mm**  
 per viti corticalis **4,5 mm** e viti spongiosa **6,5 mm**



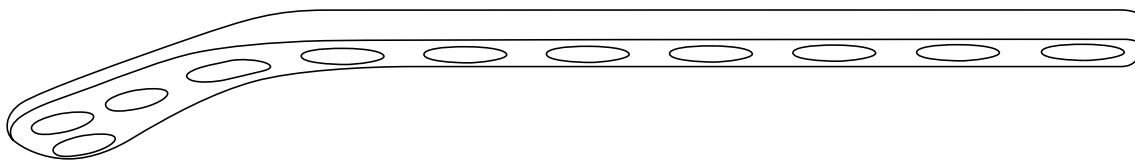
a



Laterale Tibiakopf-Abstützplatten  
 Lateral tibial head buttress plates  
 Placas para apyar la cabeza de tibia, lateral  
 Plaques pour tête de tibia, latérales  
 Placche per sostegno laterale della testa tibiale



links abgewinkelt (für rechtes Bein)	<b>711.16.05</b>	118 mm	⑤
angled left (for right leg)	<b>711.16.07</b>	149 mm	⑦
angulada hacia izquierda (para pierna derecha)	<b>711.16.09</b>	181 mm	⑨
coudée à gauche (pour jambe droite)	<b>711.16.11</b>	214 mm	⑪
angolato sinistro (per gamba destra)	<b>711.16.13</b>	246 mm	⑬



a



Laterale Tibiakopf-Abstützplatten  
 Lateral tibial head buttress plates  
 Placas para apyar la cabeza de tibia, lateral  
 Plaques pour tête de tibia, latérales  
 Placche per sostegno laterale della testa tibiale



rechts abgewinkelt (für linkes Bein)	<b>711.17.05</b>	118 mm	⑤
angled right (for left leg)	<b>711.17.07</b>	149 mm	⑦
angulada hacia derecha (para pierna izquierda)	<b>711.17.09</b>	181 mm	⑨
coudée à droite (pour jambe gauche)	<b>711.17.11</b>	214 mm	⑪
angolato destra (per gamba sinistra)	<b>711.17.13</b>	246 mm	⑬

▼ Plattendicke  
 Thickness of plates  
 Grosor de las placa  
 ▲ Epaisseur des plaques  
 Spessore delle placche

▢ Plattenbreite  
 Width of plates  
 Ancho de la placa  
 ▢ Largeur des plaques  
 Larghezza delle placche

⊗ Anzahl der Löcher  
 Number of holes  
 Número de los orificios  
 Nombre de trous  
 Numero di fori

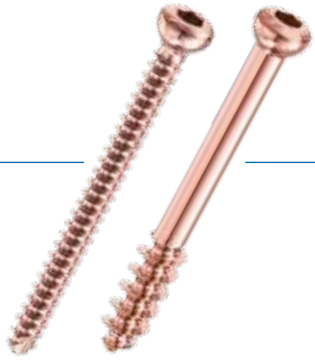




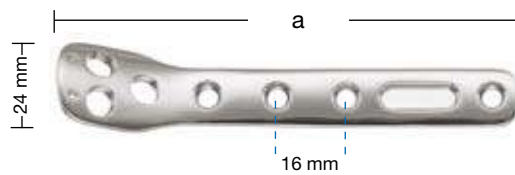
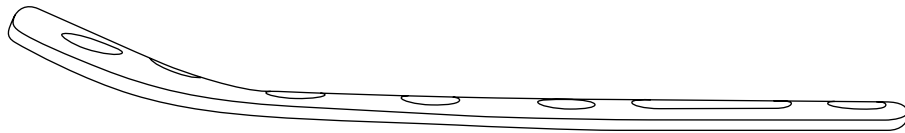
**Großfragmentplatten**  
**Large Fragment Plates**  
**Placas para fragmentos grandes**  
**Plaques pour grands fragments**  
**Placche per frammenti grandi**

**4.5**

**6.5**

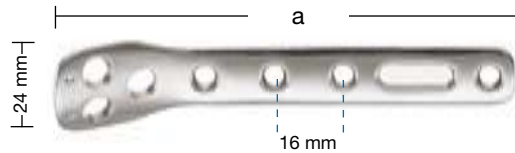
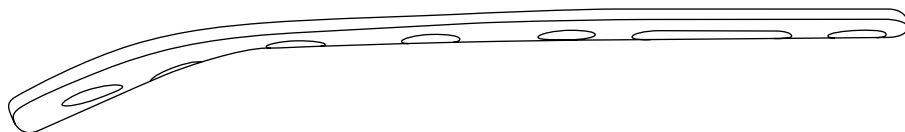


für Kortikalisschrauben **4,5 mm** und Spongiosaschrauben **6,5 mm**  
 for cortical screws **4,5 mm** and spongiosa screws **6,5 mm**  
 para tornillos corticales **4,5 mm** y tornillos esponjosos **6,5 mm**  
 pour vis corticales **4,5 mm** et vis spongieuse **6,5 mm**  
 per viti corticalis **4,5 mm** e viti spongiosa **6,5 mm**



Distale Tibiaplatten, medial  
 Distal tibial plates, medial  
 Placas para tibia distal, medial  
 Plaques distales pour tibia, médiales  
 Placche per tibia distale, mediale

	3,2 mm	16 mm	a	
für linkes Bein for left leg para pierna izquierda pour jambe gauche per gamba sinistra				
			<b>711.18.05</b>	80 mm (5)
			<b>711.18.07</b>	122 mm (7)
			<b>711.18.09</b>	158 mm (9)
			<b>711.18.11</b>	194 mm (11)
			<b>711.18.13</b>	230 mm (13)



Distale Tibiaplatten, medial  
 Distal tibial plates, medial  
 Placas para tibia distal, medial  
 Plaques distales pour tibia, médiales  
 Placche per tibia distale, mediale

	2,0 mm	16 mm	a	
für rechtes Bein for right leg para pierna derecha pour jambe droite per gamba destra				
			<b>711.19.05</b>	80 mm (5)
			<b>711.19.07</b>	122 mm (7)
			<b>711.19.09</b>	158 mm (9)
			<b>711.19.11</b>	194 mm (11)
			<b>711.19.13</b>	230 mm (13)

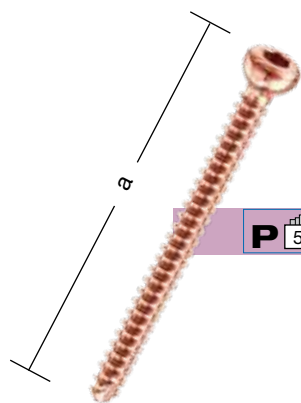
▼  
x  
▲  
Plattendicke  
Thickness of plates  
Grosor de las placa  
Epaisseur des plaques  
Spessore delle placche

▶ x ◀  
Plattenbreite  
Width of plates  
Ancho de la placa  
Largeur des plaques  
Larghezza delle placche

⊗  
Anzahl der Löcher  
Number of holes  
Número de los orificios  
Nombre de trous  
Numero di fori

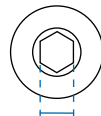
*granted”... Within just a few minutes the crisis team was convened.*

**Großfragmentschrauben**  
**Large Fragment Screws**  
**Tornillos para fragmentos grandes**  
**Vis pour grands fragments**  
**Viti per frammenti grandi**



1:1

± 8,0 mm ±



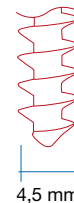
3,5 mm

Kortikalisschrauben 4,5 mm  
 Cortical screws 4,5 mm  
 Tornillos corticales 4,5 mm  
 Vis corticales 4,5 mm  
 Viti corticalis 4,5 mm

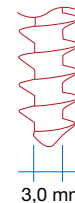


a

		a
711.45.01	711.46.01	14 mm
711.45.02	711.46.02	16 mm
711.35.03	711.46.03	18 mm
711.45.04	711.46.04	20 mm
711.45.05	711.46.05	22 mm
711.45.06	711.46.06	24 mm
711.45.07	711.46.07	26 mm
711.45.08	711.46.08	28 mm
711.45.09	711.46.09	30 mm
711.45.10	711.46.10	32 mm
711.45.11	711.46.11	34 mm
711.45.12	711.46.12	36 mm
711.45.13	711.46.13	38 mm
711.45.14	711.46.14	40 mm
711.45.15	711.46.15	42 mm
711.45.16	711.46.16	44 mm
711.45.17	711.46.17	46 mm
711.45.18	711.46.18	48 mm
711.45.19	711.46.19	50 mm
711.45.20	711.46.20	52 mm
711.45.21	711.46.21	54 mm
711.45.22	711.46.22	56 mm
711.45.23	711.46.23	58 mm
711.45.24	711.46.24	60 mm
711.45.25	711.46.25	62 mm
711.45.26	711.46.26	64 mm
711.45.27	711.46.27	66 mm
711.45.28	711.46.28	68 mm
711.45.29	711.46.29	70 mm
711.45.30	711.46.30	72 mm
711.45.31	711.46.31	74 mm
711.45.32	711.46.32	76 mm
711.45.33	711.46.33	78 mm
711.45.34	711.46.34	80 mm
711.45.35	711.46.35	85 mm
711.45.36	711.46.36	90 mm
711.45.37	711.46.37	95 mm
711.45.38	711.46.38	100 mm
711.45.39	711.46.39	105 mm
711.45.40	711.46.40	110 mm
711.45.41	711.46.41	115 mm
711.45.42	711.46.42	120 mm
711.45.43	711.46.43	125 mm
711.45.44	711.46.44	130 mm
711.45.45	711.46.45	135 mm
711.45.46	711.46.46	140 mm



4,5 mm



3,0 mm

Gewindesteigung 1,75 mm  
 Thread pitch 1,75 mm  
 Paso de rosca 1,75 mm  
 Distance entre filetage de 1,75 mm  
 Passo del filetto 1,75 mm

Bohrer für Gewindeloch 3,2 mm siehe Seite 76  
 Drills for threaded hole 3,2 mm see page 76  
 Brocas para orificio roscado 3,2 mm vea la página 76  
 Forets pour trou fileté de 3,2 mm voir page 76  
 Perforatori per foro filettato 3,2 mm vedi pagina 76

Bohrer für Gleitloch 4,5 mm siehe Seite 76  
 Drills for sliding hole 4,5 mm see page 76  
 Brocas para orificio de deslizamiento 4,5 mm vea la página 76  
 Forets pour trou lisse de 4,5 mm voir page 76  
 Perforatori per foro di scorrimento 4,5 mm vedi pagina 76

Gewindeschneider 4,5 mm siehe Seite 76  
 Taps 4,5 mm see page 76  
 Roscadores 4,5 mm vease página 76  
 Tarauds 4,5 mm voir page 76  
 Filettatori 4,5 mm vedi pagina 76



Verpackungseinheit "X" Stück  
 Packing unit "X" pieces  
 Paquete de "X" unidades  
 Emballage de "X" pièces  
 Confezione da "X" pezzi



selbstschneidend  
 self-tapping  
 rosca cortante  
 autotaraudeuse  
 autofilettanti



Standard  
 Standard  
 Estándar  
 Standard  
 Standard



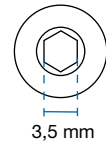
**Großfragmentschrauben**  
**Large Fragment Screws**  
**Tornillos para fragmentos grandes**  
**Vis pour grands fragments**  
**Viti per frammenti grandi**

**6.5**



1:1

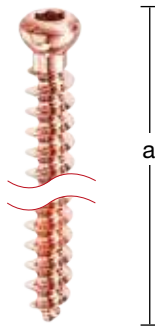
8,0 mm



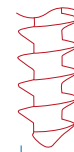
Spongiosaschrauben **6,5 mm**  
 Spongiosa screws **6,5 mm**  
 Tornillos esponjosos **6,5 mm**  
 Vis spongieuse **6,5 mm**  
 Viti spongiosa **6,5 mm**



a



<b>711.65.01</b>	25 mm
<b>711.65.02</b>	30 mm
<b>711.65.03</b>	35 mm
<b>711.65.04</b>	40 mm
<b>711.65.05</b>	45 mm
<b>711.65.06</b>	50 mm
<b>711.65.07</b>	55 mm
<b>711.65.08</b>	60 mm
<b>711.65.09</b>	65 mm
<b>711.65.10</b>	70 mm
<b>711.65.11</b>	75 mm
<b>711.65.12</b>	80 mm
<b>711.65.13</b>	85 mm
<b>711.65.14</b>	90 mm
<b>711.65.15</b>	95 mm
<b>711.65.16</b>	100 mm
<b>711.65.17</b>	105 mm
<b>711.65.18</b>	110 mm
<b>711.65.19</b>	115 mm
<b>711.65.20</b>	120 mm
<b>711.65.21</b>	125 mm
<b>711.65.22</b>	130 mm



6,5 mm

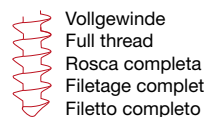


3,0 mm

Gewindesteigung 2,75 mm  
 Thread pitch 2,75 mm  
 Paso de rosca 2,75 mm  
 Distance entre filetage de 2,75 mm  
 Passo del filetto 2,75 mm

Bohrer für Gewindeloch 3,2 mm siehe Seite 76  
 Drills for threaded hole 3,2 mm see page 76  
 Brocas para orificio roscado 3,2 mm vea la página 76  
 Forets pour trou fileté de 3,2 mm voir page 76  
 Perforatori per foro filettato 3,2 mm vedi pagina 76

Gewindeschneider 6,5 mm siehe Seite 77  
 Tap 6,5 mm see page 77  
 Roscador 6,5 mm vea página 77  
 Taraud 6,5 mm voir page 77  
 Filettatore 6,5 mm vedi pagina 77



Vollgewinde  
 Full thread  
 Rosca completa  
 Filetage complet  
 Filetto completo

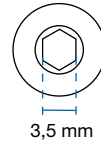


Verpackungseinheit "X" Stück  
 Packing unit "X" pieces  
 Paquete de "X" unidades  
 Emballage de "X" pièces  
 Confezione da "X" pezzi

**Großfragmentschrauben**  
**Large Fragment Screws**  
**Tornillos para fragmentos grandes**  
**Vis pour grands fragments**  
**Viti per frammenti grandi**



8,0 mm



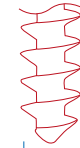
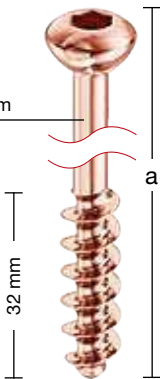
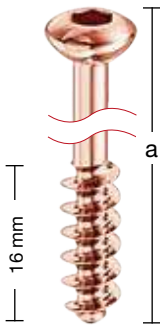
Spongiosaschrauben 6,5 mm  
 Spongiosa screws 6,5 mm  
 Tornillos esponjosos 6,5 mm  
 Vis spongieuse 6,5 mm  
 Viti spongiosa 6,5 mm

1:1



a

<b>711.66.01</b>	---	30 mm
<b>711.66.02</b>	---	35 mm
<b>711.66.03</b>	---	40 mm
<b>711.66.04</b>	<b>711.67.01</b>	45 mm
<b>711.66.05</b>	<b>711.67.02</b>	50 mm
<b>711.66.06</b>	<b>711.67.03</b>	55 mm
<b>711.66.07</b>	<b>711.67.04</b>	60 mm
<b>711.66.08</b>	<b>711.67.05</b>	65 mm
<b>711.66.09</b>	<b>711.67.06</b>	70 mm
<b>711.66.10</b>	<b>711.67.07</b>	75 mm
<b>711.66.11</b>	<b>711.67.08</b>	80 mm
<b>711.66.12</b>	<b>711.67.09</b>	85 mm
<b>711.66.13</b>	<b>711.67.10</b>	90 mm
<b>711.66.14</b>	<b>711.67.11</b>	95 mm
<b>711.66.15</b>	<b>711.67.12</b>	100 mm
<b>711.66.16</b>	<b>711.67.13</b>	105 mm
<b>711.66.17</b>	<b>711.67.14</b>	110 mm
<b>711.66.18</b>	<b>711.67.15</b>	115 mm
<b>711.66.19</b>	<b>711.67.16</b>	120 mm
<b>711.66.20</b>	<b>711.67.17</b>	125 mm
<b>711.66.21</b>	<b>711.67.18</b>	130 mm
<b>711.66.22</b>	<b>711.67.19</b>	135 mm
<b>711.66.23</b>	<b>711.67.20</b>	140 mm
---	<b>711.67.21</b>	145 mm
---	<b>711.67.22</b>	150 mm



6,5 mm



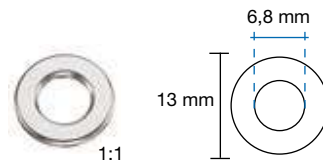
3,0 mm

Gewindesteigung 2,75 mm  
 Thread pitch 2,75 mm  
 Paso de rosca 2,75 mm  
 Distance entre filetage de 2,75 mm  
 Passo del filetto 2,75 mm

Bohrer für Gewindeloch 3,2 mm siehe Seite 76  
 Drills for threaded hole 3,2 mm see page 76  
 Brocas para orificio roscado 3,2 mm vea página 76  
 Forets pour trou fileté de 3,2 mm voir page 76  
 Perforatori per foro filettato 3,2 mm vedi pagina 76

Bohrer für Schaft 4,5 mm siehe Seite 76  
 Drills for shaft 4,5 mm see page 76  
 Brocas para vástago 4,5 mm vea página 76  
 Forets pour tige 4,5 mm voir page 76  
 Perforatori per asta 4,5 mm vedi pagina 76

Gewindeschneider 6,5 mm siehe Seite 77  
 Tap 6,5 mm see page 77  
 Roscador 6,5 mm vea página 77  
 Taraud 6,5 mm voir page 77  
 Filettatore 6,5 mm vedi pagina 77



1:1

Unterlegscheibe für Spongiosaschrauben 6,5 mm  
 Washer for spongiosa screws 6,5 mm  
 Arandela para tornillos esponjosos 6,5 mm  
 Rondelle pour vis spongieuse 6,5 mm  
 Rondella per viti spongiosa 6,5 mm



**711.00.01**



Verpackungseinheit "X" Stück  
 Packing unit "X" pieces  
 Paquete de "X" unidades  
 Emballage de "X" pièces  
 Confezione da "X" pezzi



Teilgewinde  
 Partial thread  
 Rosca parcial  
 Filetage partiel  
 Filetto parziale

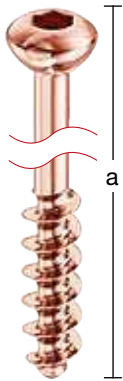
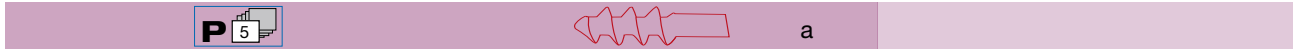


**Großfragmentschrauben**  
**Large Fragment Screws**  
**Tornillos para fragmentos grandes**  
**Vis pour grands fragments**  
**Viti per frammenti grandi**

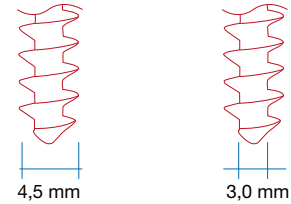
**4.5**



Malleolarschrauben **4,5 mm**  
Malleolar screws **4,5 mm**  
Tornillos para maléolo **4,5 mm**  
Vis pour malléole **4,5 mm**  
Viti per malleolari **4,5 mm**

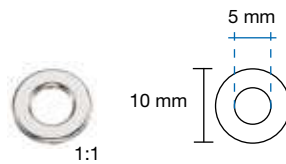


	a
<b>711.47.01</b>	20 mm
<b>711.47.02</b>	25 mm
<b>711.47.03</b>	30 mm
<b>711.47.04</b>	35 mm
<b>711.47.05</b>	40 mm
<b>711.47.06</b>	45 mm
<b>711.47.07</b>	50 mm
<b>711.47.08</b>	55 mm
<b>711.47.09</b>	60 mm
<b>711.47.10</b>	65 mm
<b>711.47.11</b>	70 mm
<b>711.47.12</b>	75 mm
<b>711.47.13</b>	80 mm



Gewindesteigung 1,75 mm  
Thread pitch 1,75 mm  
Paso de rosca 1,75 mm  
Distance entre filetage de 1,75 mm  
Passo 1,75 mm

Bohrer für Gewindeloch 3,2 mm siehe Seite 76  
Drills for threaded hole 3,2 mm see page 76  
Brocas para orificio roscado 3,2 mm vea la página 76  
Forets pour trou fileté de 3,2 mm voir page 76  
Perforatori per foro filettato 3,2 mm vedi pagina 76



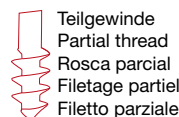
Unterlegscheibe für Malleolarschrauben 4,5 mm  
Washer for malleolar screws 4,5 mm  
Arandela para tornillos para maléolo 4,5 mm  
Rondelle pour vis malléole 4,5 mm  
Rondella per viti malleolari 4,5 mm



<b>711.00.00</b>	
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Verpackungseinheit "X" Stück  
Packing unit "X" pieces  
Paquete de "X" unidades  
Emballage de "X" pièces  
Confezione da "X" pezzi



Teilgewinde  
Partial thread  
Rosca parcial  
Filetage partiel  
Filetto parziale

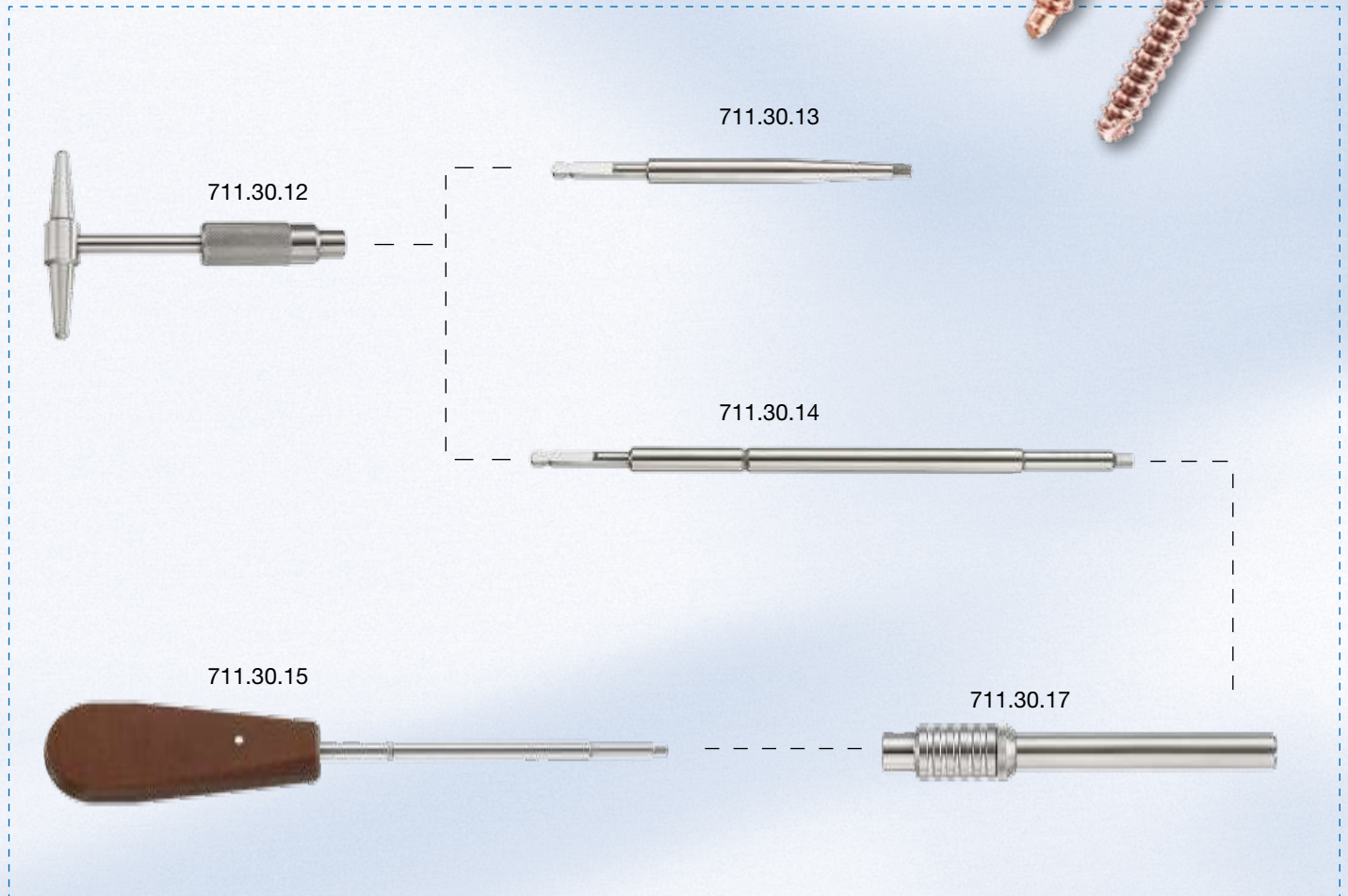
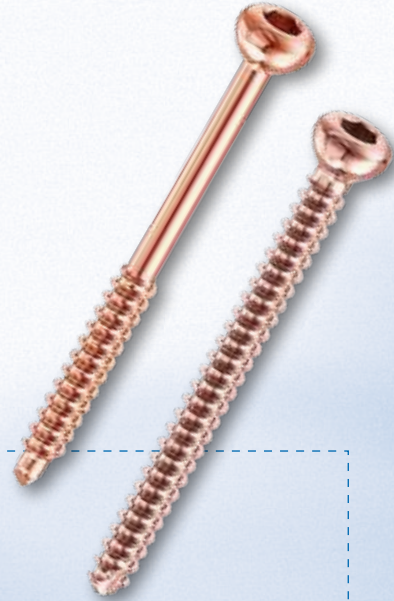
*have been sitting here for 5 years in the lurch, no information, no*





Übersicht Schraubendreher, Klingen und Haltehülsen für Schrauben  
 Overview screwdrivers, blades and holding sleeves for screws  
 Vista general de atornilladores, hojas y vainas para tornillos  
 Aperçu tournevis, lames et douilles pour tenir les vis  
 Visione generale del cacciavite, lame e boccole per viti

**für Kortikalisschrauben 4,5 mm, Spongiaschrauben 6,5 mm und Malleolarschrauben 4,5 mm  
 for cortical screws 4,5 mm, spongiosa screws 6,5 mm and malleolar screws 4,5 mm  
 para tornillos corticales 4,5 mm, tornillos esponjosos 6,5 mm y tornillos para maléolo 4,5 mm  
 pour vis corticales 4,5 mm, vis spongieuses 6,5 mm et vis pour malléole 4,5 mm  
 per viti corticalis 4,5 mm, viti spongiosa 6,5 mm e viti per malleolari 4,5 mm**





**Großfragment-Instrumentarium**  
**Large Fragment Instrumentation**  
**Instrumental para fragmentos grandes**  
**Instruments pour grands fragments**  
**Strumenti per frammenti grandi**

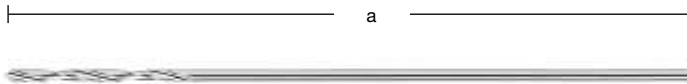
**4.5**

**6.5**



Bohrer für Schnellkupplung  
 Drills for quick coupling  
 Brocas para acoplamiento rápido  
 Forets pour accouplement rapide  
 Perforatori per accoppiamento rapido

	a	Ø
<b>711.30.18</b>	145 mm	3,2 mm
<b>711.30.19</b>	195 mm	3,2 mm
<b>711.30.20</b>	145 mm	4,5 mm
<b>711.30.21</b>	195 mm	4,5 mm



Bohrer für Dreibackenspannfutter  
 Drills for three-jaw chuck  
 Brocas para plato de tres mordazas  
 Forets pour mandrin à trois mâchoires  
 Perforatori per mandrino a tre ganasce

	a	Ø
<b>711.30.22</b>	85 mm	2,0 mm
<b>711.30.23</b>	130 mm	3,2 mm
<b>711.30.24</b>	180 mm	3,2 mm
<b>711.30.25</b>	130 mm	4,5 mm
<b>711.30.26</b>	180 mm	4,5 mm



Gewindeschneider für Schnellkupplung  
 Tap for quick coupling  
 Roscador para acoplamiento rápido  
 Taraud pour accouplement rapide  
 Filettatore per accoppiamento rapido

	Ø
<b>711.30.29</b>	4,5 mm

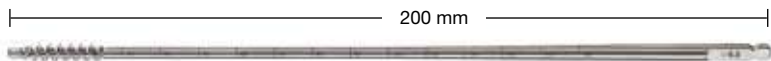
für Kortikalisschrauben  
 for cortical screws  
 para tornillos corticales  
 pour vis corticales  
 per viti corticalis

4.5 6.5

Großfragment-Instrumentarium  
Large Fragment Instrumentation  
Instrumental para fragmentos grandes  
Instruments pour grands fragments  
Strumenti per frammenti grandi



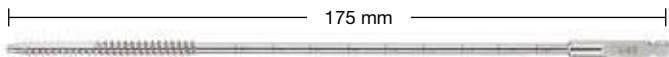
kalibriert  
calibrated  
calibrado  
calibré  
calibrato



Gewindeschneider für Schnellkupplung  
Tap for quick coupling  
Roscador para acoplamiento rápido  
Taraud pour accouplement rapide  
Filettatore per accoppiamento rapido

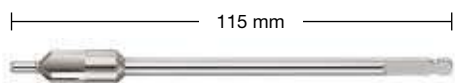
	Ø	
für Spongiaschrauben for spongiosa screws para tornillos esponjosos pour vis spongieuse per viti spongiosa	<b>711.30.30</b>	6,5 mm

kalibriert  
calibrated  
calibrado  
calibré  
calibrato



Gewindeschneider für Schnellkupplung  
Tap for quick coupling  
Roscador para acoplamiento rápido  
Taraud pour accouplement rapide  
Filettatore per accoppiamento rapido

	Ø	
für Kortikalisschrauben for cortical screws para tornillos corticales pour vis corticales per viti corticalis	<b>711.30.31</b>	4,5 mm



Kopfraumfräser für Schnellkupplung  
Countersink for quick coupling  
Fresa para acoplamiento rápido  
Fraise pour accouplement rapide  
Fresa per accoppiamento rapido

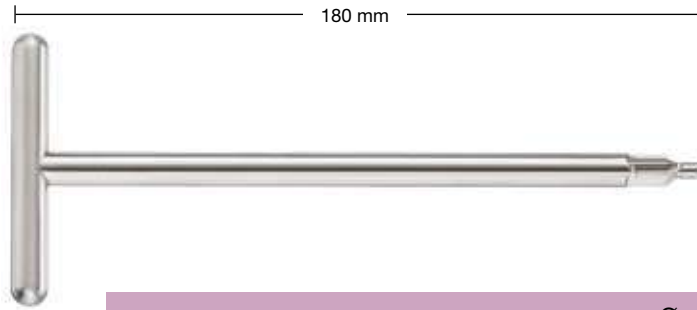
für Schrauben Ø 4,5 / 6,5 mm for screws Ø 4,5 / 6,5 mm para tornillos Ø 4,5 / 6,5 mm pour vis Ø 4,5 / 6,5 mm per viti Ø 4,5 / 6,5 mm	<b>711.30.27</b>	
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**Großfragment-Instrumentarium**  
**Large Fragment Instrumentation**  
**Instrumental para fragmentos grandes**  
**Instruments pour grands fragments**  
**Strumenti per frammenti grandi**

**4.5**

**6.5**



Kopfraumfräser mit Griff  
 Countersink with handle  
 Fresa con mango  
 Fraise avec manche  
 Fresa con manico



für Schrauben Ø 4,5 / 6,5 mm  
 for screws Ø 4,5 / 6,5 mm  
 para tornillos Ø 4,5 / 6,5 mm  
 pour vis Ø 4,5 / 6,5 mm  
 per viti Ø 4,5 / 6,5 mm

**711.30.28**

4,5 / 6,5 mm



Steckbohrbuchse  
 Insert drill sleeve  
 Casquillo de inserción  
 Fixation douille de forage  
 Centrapunta retta



**711.30.07**



Doppelbohrbuchse  
 Double drill sleeve  
 Casquillo de taladrar doble  
 Double douille de forage  
 Bussola di foratura doppia



**711.30.08**

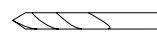
4,5 mm

3,2 mm

für Gewindeschneider  
 for taps  
 para roscadores  
 pour tarauds  
 per filettatori



für Bohrer  
 for drills  
 para brocas  
 pour forets  
 per perforatori





Doppelbohrbuchse  
 Double drill sleeve  
 Casquillo de taladrar doble  
 Double douille de forage  
 Bussole di foratura doppia



<b>711.30.09</b>	6,5 mm	3,2 mm
------------------	--------	--------



Universalbohrbuchse  
 Universal drill sleeve  
 Casquillo de taladrar universal  
 Douille de forage universelle  
 Centrapunta universale



<b>711.30.10</b>	4,5 mm	3,2 mm
------------------	--------	--------



Bohrbuchse neutral und exzentrisch  
 Drill sleeve neutral and excentric  
 Casquillo de taladrar neutral y excéntrico  
 Douille de forage neutre et excentrique  
 Bussola di foratura neutrale e eccentrica



<b>711.30.11</b>	3,2 mm
------------------	--------



für Gewindeschneider  
 for taps  
 para roscadores  
 pour tarauds  
 per filettatori



für Bohrer  
 for drills  
 para brocas  
 pour forets  
 per perforatori





Plattenspanner mit Kraftanzeige  
Plate tensioner with gauge  
Extensor de placa con indicación de fuerza  
Plaque à tension avec jauge  
Tenditore di placca con indicatore di forza

**710.30.25**



Ring / Gabelschlüssel 11 mm  
Combination wrench 11 mm  
Llave bifurcada/anular 11 mm  
Clé torse combination 11 mm  
Chiave anello/forchetta 11 mm

**710.30.26**



Kardanschlüssel 11 mm  
Cardan wrench 11 mm  
Llave cardan 11 mm  
Clé torse cardan 11 mm  
Chiave cardan 11 mm

**711.30.32**



T-Griff, klein, mit Schnellkupplung  
 T-handle, small, with quick coupling  
 Mango en T, pequeño, con acoplamiento rápido  
 Manche en T, petit, avec accouplement rapide  
 Manico a T, piccolo, con accoppiamento rapido

**711.30.12**



Schraubendrehereinsatz Sechskant  
 Screwdriver insert hexagonal  
 Inserto para atornillador hexagonal  
 Insert de tournevis hexagonal  
 Inserto per cacciavite esagonale

**711.30.13**

für Schnellkupplung  
 for quick coupling  
 para acoplamiento rápido  
 pour accouplement rapide  
 per accoppiamento rapido



Schraubendrehereinsatz Sechskant  
 Screwdriver insert hexagonal  
 Inserto para atornillador hexagonal  
 Insert de tournevis hexagonal  
 Inserto per cacciavite esagonale

**711.30.14**

für Schnellkupplung  
 for quick coupling  
 para acoplamiento rápido  
 pour accouplement rapide  
 per accoppiamento rapido



**Großfragment-Instrumentarium**  
**Large Fragment Instrumentation**  
**Instrumental para fragmentos grandes**  
**Instruments pour grands fragments**  
**Strumenti per frammenti grandi**

**4.5**

**6.5**

3,5 mm



Schraubendreher Sechskant  
 Screwdriver hexagonal  
 Atornillador hexagonal  
 Tournevis hexagonal  
 Cacciavite esagonale

**NOVOTEX**

**711.30.15**

24,5 cm - 9<sup>3</sup>/<sub>4</sub>"



Haltehülse für Schrauben  
 Holding sleeve for screws  
 Vaina para tornillos  
 Douille pour tenir les vis  
 Boccola per viti

für Schrauben Ø 4,5 / 6,5 mm  
 for screws Ø 4,5 / 6,5 mm  
 para tornillos Ø 4,5 / 6,5 mm  
 pour vis Ø 4,5 / 6,5 mm  
 per viti Ø 4,5 / 6,5 mm

**711.30.17**



Tiefenmessgerät, groß  
 Depth gauge, large  
 Medidor de profundidad, grande  
 Jauge de profondeur, grand  
 Strumento per misurare la profondità, grande

für Schrauben Ø 4,5 / 6,5 mm  
 for screws Ø 4,5 and 6,5 mm  
 para tornillos Ø 4,5 y 6,5 mm  
 pour vis Ø 4,5 et 6,5 mm  
 per viti Ø 4,5 e 6,5 mm

**711.30.06**



Biegeeisen für Standardplatten  
 Bending lever for standard plates  
 Palanca para doblar placas estándar  
 Levier de pliage pour plaques standards  
 Leva piegaplacche per placche standard

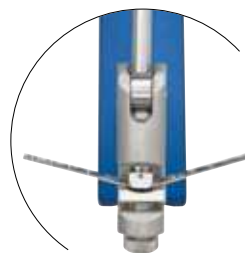
**711.30.00**

4.5 6.5

**Großfragment-Instrumentarium**  
**Large Fragment Instrumentation**  
**Instrumental para fragmentos grandes**  
**Instruments pour grands fragments**  
**Strumenti per frammenti grandi**



1:3



Biegepresse für Knochenplatten  
Bending device for bone plates  
Prensa para placas de hueso  
Presse pour plier les plaques à os  
Piegatrice per placche per ossa

**75.49.70**

440 x 80 mm

Mit dieser Biegepresse können Knochenplatten bis zu einer Dicke von 6 mm ohne großen Kraftaufwand gebogen werden. Die Platten können sowohl konvex als auch konkav ohne Schädigung der Platte gebogen werden.

With this bending device bone-plates up to a thickness of 6 mm can be bent easily without applying much force. The plates can be bent convex or concave and will not be damaged.

Con esta prensa se puede moldear placas de hueso hasta un grosor de 6 mm sin mucha fuerza. Se puede moldear las placas tanto concavas como convexas sin dañar las mismas.

A l'aide de cette presse pour plier les plaques à os, des plaques d'une épaisseur jusqu'à 6 mm peuvent être pliées sans beaucoup de forces. Il est possible de plier les plaques de façon concave ou convexe sans les endommager.

Con questa piegatrice possono essere piegate delle placche per ossa con uno spessore di 6 mm senza grande dispendio di forza. Le placche possono essere piegate in modo convesso come anche concavo senza danneggiare la placca.



Biegeschablonen 4,5 mm  
Bending templates 4,5 mm  
Placas de premoldeación 4,5 mm  
Plaques de préformation 4,5 mm  
Placche sagomabili 4,5 mm

**711.30.01**

⑤

**711.30.02**

⑦

**711.30.03**

⑨

**711.30.04**

⑫

Anzahl der Löcher  
Number of holes  
Número de los orificios  
Nombre de trous  
Numero di fori

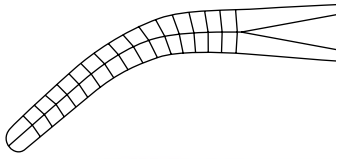




**Großfragment-Instrumentarium**  
**Large Fragment Instrumentation**  
**Instrumental para fragmentos grandes**  
**Instruments pour grands fragments**  
**Strumenti per frammenti grandi**

**4.5**

**6.5**



Knochenhaltezange  
 Bone holding forceps  
 Pinza para huesos  
 Davier à os  
 Tenaglia per ossa

**35.14.22**

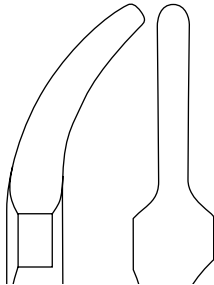
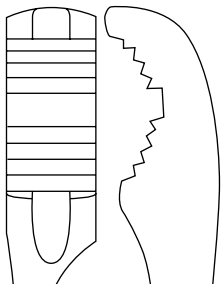
22 cm - 8<sup>3</sup>/<sub>4</sub>"



Reinigungshaken  
 Cleaning hook  
 Gancho para limpieza  
 Crochet pour nettoyage  
 Uncino per pulizia

**351.64.01**

16 cm - 6<sup>1</sup>/<sub>4</sub>"



Knochenhaltezangen, selbstzentrierend  
 Bone holding forceps, self-centering  
 Pinzas para huesos, autocentrando  
 Daviers à os, autocentrant  
 Tenaglie per ossa, autocentrante

**Verbrugge**

**35.76.24**

24 cm - 9<sup>1</sup>/<sub>2</sub>"

**35.76.26**

26 cm - 10<sup>1</sup>/<sub>4</sub>"

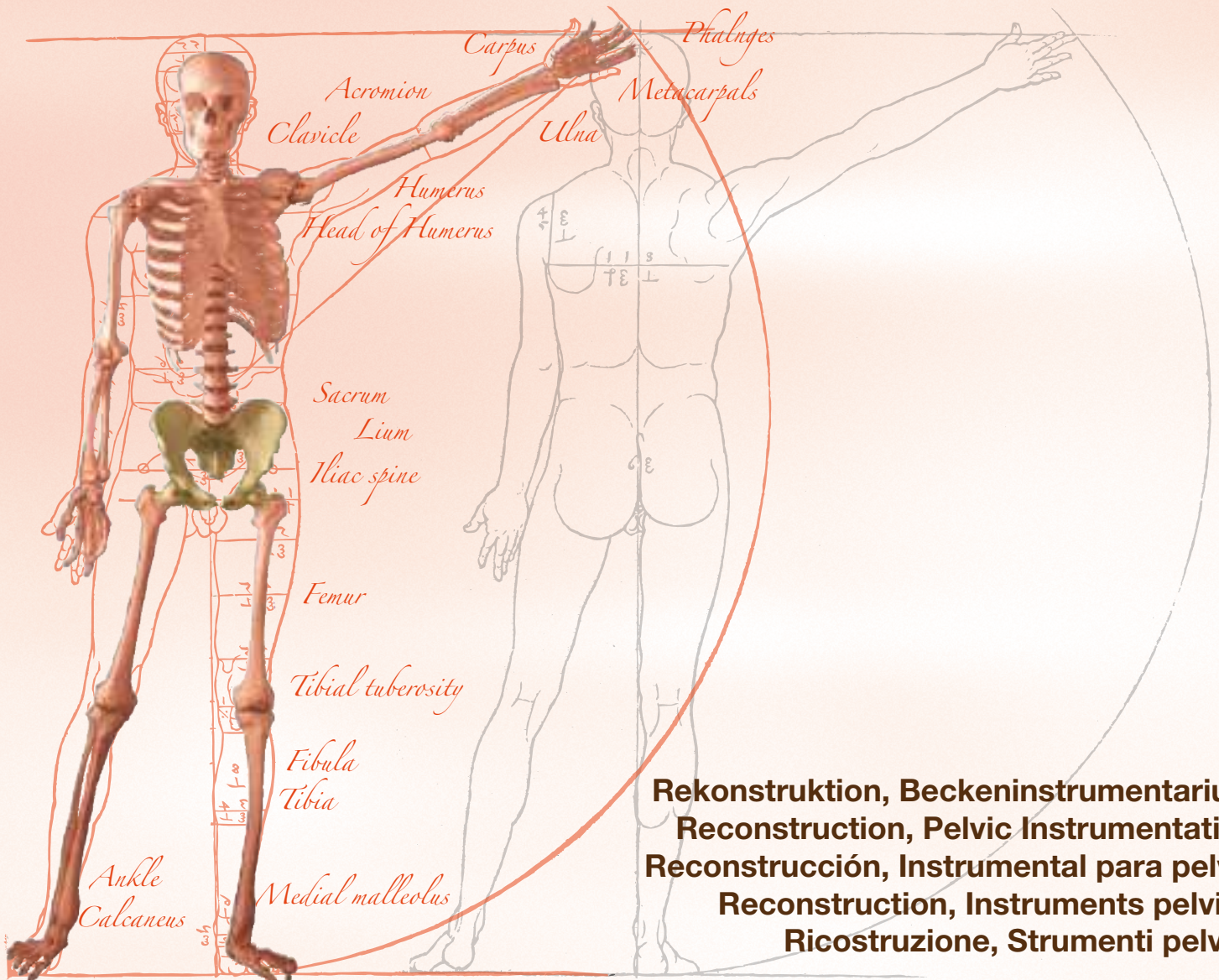
**35.76.28**

28 cm - 11"

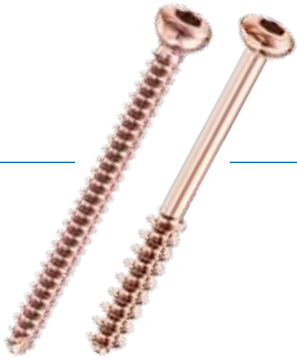


# ORTHO PAEDICS

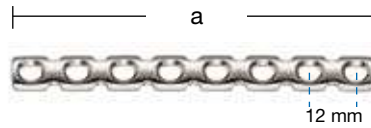
## IMPLANTS AND INSTRUMENTS



Rekonstruktion, Beckeninstrumentarium  
Reconstruction, Pelvic Instrumentation  
Reconstrucción, Instrumental para pelvis  
Reconstruction, Instruments pelvins  
Ricostruzione, Strumenti pelvici

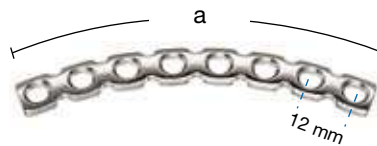


für Kortikalisschrauben **3,5 mm** und Spongiosaschrauben **4,0 mm**  
 for cortical screws **3,5 mm** and spongiosa screws **4,0 mm**  
 para tornillos corticales **3,5 mm** y tornillos esponjosos **4,0 mm**  
 pour vis corticales **3,5 mm** et vis spongieuses **4,0 mm**  
 per viti corticalis **3,5 mm** e per viti spongiosa **4,0 mm**



Rekonstruktionsplatten  
 Reconstruction plates  
 Placas de reconstrucción  
 Plaques de reconstruction  
 Placche per ricostruzione

	$\frac{2,9 \text{ mm}}$	$\frac{10 \text{ mm}}$	a	
gerade			<b>713.00.03</b>	34 mm (3)
straight			<b>713.00.04</b>	46 mm (4)
recta			<b>713.00.05</b>	58 mm (5)
droite			<b>713.00.06</b>	70 mm (6)
retta			<b>713.00.07</b>	82 mm (7)
			<b>713.00.08</b>	94 mm (8)
			<b>713.00.09</b>	106 mm (9)
			<b>713.00.10</b>	118 mm (10)
			<b>713.00.11</b>	130 mm (11)
			<b>713.00.12</b>	142 mm (12)
			<b>713.00.13</b>	154 mm (13)
			<b>713.00.14</b>	166 mm (14)
			<b>713.00.15</b>	178 mm (15)
			<b>713.00.16</b>	190 mm (16)
			<b>713.00.18</b>	214 mm (18)



Rekonstruktionsplatten  
 Reconstruction plates  
 Placas de reconstrucción  
 Plaques de reconstruction  
 Placche per ricostruzione

	$\frac{3,6 \text{ mm}}$	$\frac{10 \text{ mm}}$		
gebogen			<b>713.01.06</b>	70 mm (6)
curved			<b>713.01.08</b>	94 mm (8)
curvada			<b>713.01.10</b>	118 mm (10)
courbées			<b>713.01.12</b>	142 mm (12)
curva			<b>713.01.14</b>	166 mm (14)
			<b>713.01.16</b>	190 mm (16)
			<b>713.01.18</b>	214 mm (18)

$\frac{\text{▼}}{\text{x}} \frac{\text{▲}}$  Plattendicke  
 Thickness of plates  
 Grosor de las placa  
 Epaisseur des plaques  
 Spessore delle placche

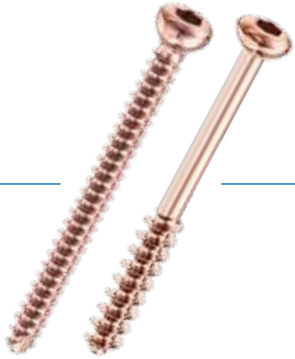
$\frac{\text{▶}}{\text{x}} \text{◀}$  Plattenbreite  
 Width of plates  
 Ancho de la placa  
 Largeur des plaques  
 Larghezza delle placche

$\text{⊗}$  Anzahl der Löcher  
 Number of holes  
 Número de los orificios  
 Nombre de trous  
 Numero di fori

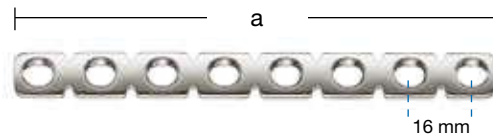
4.5

6.5



Rekonstruktion  
Reconstruction  
Reconstrucción  
Reconstruction  
Ricostruzione









für Kortikalisschrauben **4,5 mm** und Spongiosaschrauben **6,5 mm**  
for cortical screws **4,5 mm** and spongiosa screws **6,5 mm**  
para tornillos corticales **4,5 mm** y tornillos esponjosos **6,5 mm**  
pour vis corticales **4,5 mm** et vis spongieuses **6,5 mm**  
per viti corticalis **4,5 mm** e viti spongiosa **6,5 mm**






Rekonstruktionsplatten  
Reconstruction plates  
Placas de reconstrucción  
Plaques de reconstruction  
Placche per ricostruzione

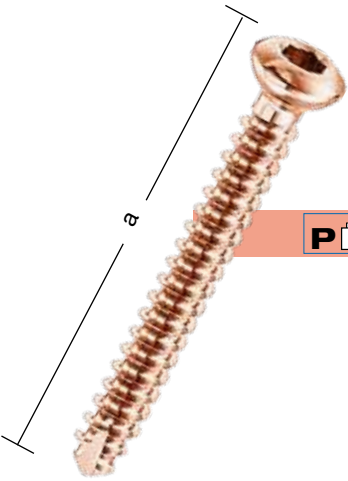
	 2,9 mm	 12 mm	a		
gerade					
straight					
recta					
droite					
retta					
			<b>713.02.03</b>	45 mm	③
			<b>713.02.04</b>	61 mm	④
			<b>713.02.05</b>	77 mm	⑤
			<b>713.02.06</b>	93 mm	⑥
			<b>713.02.07</b>	109 mm	⑦
			<b>713.02.08</b>	125 mm	⑧
			<b>713.02.09</b>	141 mm	⑨
			<b>713.02.10</b>	157 mm	⑩
			<b>713.02.11</b>	173 mm	⑪
			<b>713.02.12</b>	189 mm	⑫
			<b>713.02.13</b>	205 mm	⑬
			<b>713.02.14</b>	221 mm	⑭
			<b>713.02.15</b>	237 mm	⑮
			<b>713.02.16</b>	253 mm	⑯

 Plattendicke  
Thickness of plates  
 Grosor de las placa  
Epaisseur des plaques  
 Spessore delle placche

 Plattenbreite  
Width of plates  
 Ancho de la placa  
Largeur des plaques  
 Larghezza delle placche

 Anzahl der Löcher  
Number of holes  
 Número de los orificios  
Nombre de trous  
 Numero di fori

*his right senses?? Send him to me!! IMMEDIATELY!!!...*



Kortikalisschrauben **3,5 mm**  
Cortical screws **3,5 mm**  
Tornillos corticales **3,5 mm**  
Vis corticales **3,5 mm**  
Viti corticalis **3,5 mm**

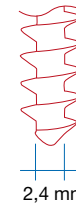


a

<b>710.35.01</b>	<b>710.36.01</b>	10 mm
<b>710.35.02</b>	<b>710.36.02</b>	12 mm
<b>710.35.03</b>	<b>710.36.03</b>	14 mm
<b>710.35.04</b>	<b>710.36.04</b>	16 mm
<b>710.35.05</b>	<b>710.36.05</b>	18 mm
<b>710.35.06</b>	<b>710.36.06</b>	20 mm
<b>710.35.07</b>	<b>710.36.07</b>	22 mm
<b>710.35.08</b>	<b>710.36.08</b>	24 mm
<b>710.35.09</b>	<b>710.36.09</b>	26 mm
<b>710.35.10</b>	<b>710.36.10</b>	28 mm
<b>710.35.11</b>	<b>710.36.11</b>	30 mm
<b>710.35.12</b>	<b>710.36.12</b>	32 mm
<b>710.35.13</b>	<b>710.36.13</b>	34 mm
<b>710.35.14</b>	<b>710.36.14</b>	36 mm
<b>710.35.15</b>	<b>710.36.15</b>	38 mm
<b>710.35.16</b>	<b>710.36.16</b>	40 mm
<b>710.35.17</b>	<b>710.36.17</b>	45 mm
<b>710.35.18</b>	<b>710.36.18</b>	50 mm
<b>710.35.19</b>	<b>710.36.19</b>	55 mm
<b>710.35.20</b>	<b>710.36.20</b>	60 mm
<b>710.35.21</b>	<b>710.36.21</b>	65 mm
<b>710.35.22</b>	<b>710.36.22</b>	70 mm
<b>710.35.23</b>	<b>710.36.23</b>	75 mm
<b>710.35.24</b>	<b>710.36.24</b>	80 mm
<b>710.35.25</b>	<b>710.36.25</b>	85 mm
<b>710.35.26</b>	<b>710.36.26</b>	90 mm
<b>710.35.27</b>	<b>710.36.27</b>	95 mm
<b>710.35.28</b>	<b>710.36.28</b>	100 mm
<b>710.35.29</b>	<b>710.36.29</b>	105 mm
<b>710.35.30</b>	<b>710.36.30</b>	110 mm
<b>710.35.31</b>	<b>710.36.31</b>	115 mm
<b>710.35.32</b>	<b>710.36.32</b>	120 mm



3,5 mm



2,4 mm

Gewindesteigung 1,25 mm  
Thread pitch 1,25 mm  
Paso de rosca 1,25 mm  
Distance entre filetage de 1,25 mm  
Passo del filetto 1,25 mm

Bohrer für Gewindeloch 2,5 mm siehe Seite 93  
Drill for threaded hole 2,5 mm see page 93  
Broca para orificio roscado 2,5 mm vea la página 93  
Foret pour trou fileté de 2,5 mm voir page 93  
Perforatore per foro filettato 2,5 mm vedi pagina 93

Bohrer für Gleitloch 3,5 mm siehe Seite 93  
Drill for sliding hole 3,5 mm see page 93  
Broca para orificio de deslizamiento 3,5 mm vea la página 93  
Foret pour trou lisse de 3,5 mm voir page 93  
Perforatore per foro di scorrimento 3,5 mm vedi pagina 93

Gewindeschneider 3,5 mm siehe Seite 93  
Tap 3,5 mm see page 93  
Roscador 3,5 mm vea página 93  
Taraud 3,5 mm voir page 93  
Filettatore 3,5 mm vedi pagina 93



Verpackungseinheit "X" Stück  
Packing unit "X" pieces  
Paquete de "X" unidades  
Emballage de "X" pièces  
Confezione da "X" pezzi



selbstschneidend  
self-tapping  
rosca cortante  
autotaraudeuse  
autofilettanti





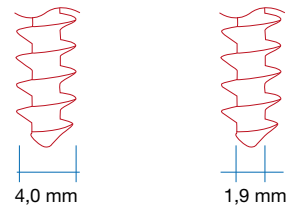
Standard  
Standard  
Estándar  
Standard  
Standard





Spongiaschrauben 4,0 mm  
Spongiosa screws 4,0 mm  
Tornillos esponjosos 4,0 mm  
Vis spongieuse 4,0 mm  
Viti spongiosa 4,0 mm

P 5		a		b	
					
<b>710.40.01</b>	<b>710.41.01</b>	10 mm	4 mm		
<b>710.40.02</b>	<b>710.41.02</b>	12 mm	4 mm		
<b>710.40.03</b>	<b>710.41.03</b>	14 mm	5 mm		
<b>710.40.04</b>	<b>710.41.04</b>	16 mm	5 mm		
<b>710.40.05</b>	<b>710.41.05</b>	18 mm	6 mm		
<b>710.40.06</b>	<b>710.40.06</b>	20 mm	7 mm		
<b>710.40.07</b>	<b>710.41.07</b>	22 mm	7 mm		
<b>710.40.08</b>	<b>710.41.08</b>	24 mm	8 mm		
<b>710.40.09</b>	<b>710.41.09</b>	26 mm	8 mm		
<b>710.40.10</b>	<b>710.41.10</b>	28 mm	9 mm		
<b>710.40.11</b>	<b>710.41.11</b>	30 mm	10 mm		
<b>710.40.12</b>	<b>710.41.12</b>	32 mm	11 mm		
<b>710.40.13</b>	<b>710.41.13</b>	34 mm	11 mm		
<b>710.40.14</b>	<b>710.41.14</b>	36 mm	12 mm		
<b>710.40.15</b>	<b>710.41.15</b>	38 mm	12 mm		
<b>710.40.16</b>	<b>710.41.16</b>	40 mm	13 mm		
<b>710.40.17</b>	<b>710.41.17</b>	42 mm	14 mm		
<b>710.40.18</b>	<b>710.41.18</b>	44 mm	14 mm		
<b>710.40.19</b>	<b>710.41.19</b>	46 mm	15 mm		
<b>710.40.20</b>	<b>710.41.20</b>	48 mm	15 mm		
<b>710.40.21</b>	<b>710.41.21</b>	50 mm	16 mm		
<b>710.40.22</b>	<b>710.41.22</b>	55 mm	16 mm		
<b>710.40.23</b>	<b>710.41.23</b>	60 mm	16 mm		



Gewindesteigung 1,75 mm  
Thread pitch 1,75 mm  
Paso de rosca 1,75 mm  
Distance entre filetage de 1,75 mm  
Passo del filetto 1,75 mm

Bohrer für Gewindeloch 2,5 mm siehe Seite 93  
Drill for threaded hole 2,5 mm see page 93  
Broca para orificio roscado 2,5 mm vea la página 93  
Foret pour trou fileté de 2,5 mm voir page 93  
Perforatore per foro filettato 2,5 mm vedi pagina 93


Gewindeschneider 4,0 mm siehe Seite 52  
Tap 4,0 mm see page 52  
Roscador 4,0 mm vea página 52  
Taraud 4,0 mm voir page 52  
Filettatore 4,0 mm vedi pagina 25




Unterlegscheibe für Spongiaschrauben 4,0 mm  
Washer for spongiosa screws 4,0 mm  
Arandela para tornillos esponjosos 4,0 mm  
Rondelle pour vis spongieuse 4,0 mm  
Rondella per viti spongiosa 4,0 mm

P 5	
<b>710.00.00</b>	

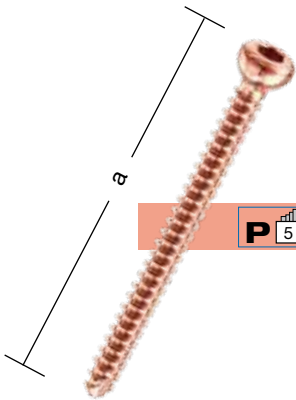
Verpackungseinheit "X" Stück  
Packing unit "X" pieces  
Paquete de "X" unidades  
Emballage de "X" pièces  
Confezione da "X" pezzi

 Vollgewinde  
Full thread  
Rosca completa  
Filetage complet  
Filetto completo

 Teilgewinde  
Partial thread  
Rosca parcial  
Filetage partiel  
Filetto parziale

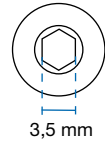
*you narrowly survived a meteorite storm... And that only because*





1:1

┌ 8,0 mm ┐



Kortikalisschrauben **4,5 mm**  
Cortical screws **4,5 mm**  
Tornillos corticales **4,5 mm**  
Vis corticales **4,5 mm**  
Viti corticalis **4,5 mm**



a

<b>711.45.01</b>	<b>711.46.01</b>	14 mm
<b>711.45.02</b>	<b>711.46.02</b>	16 mm
<b>711.35.03</b>	<b>711.46.03</b>	18 mm
<b>711.45.04</b>	<b>711.46.04</b>	20 mm
<b>711.45.05</b>	<b>711.46.05</b>	22 mm
<b>711.45.06</b>	<b>711.46.06</b>	24 mm
<b>711.45.07</b>	<b>711.46.07</b>	26 mm
<b>711.45.08</b>	<b>711.46.08</b>	28 mm
<b>711.45.09</b>	<b>711.46.09</b>	30 mm
<b>711.45.10</b>	<b>711.46.10</b>	32 mm
<b>711.45.11</b>	<b>711.46.11</b>	34 mm
<b>711.45.12</b>	<b>711.46.12</b>	36 mm
<b>711.45.13</b>	<b>711.46.13</b>	38 mm
<b>711.45.14</b>	<b>711.46.14</b>	40 mm
<b>711.45.15</b>	<b>711.46.15</b>	42 mm
<b>711.45.16</b>	<b>711.46.16</b>	44 mm
<b>711.45.17</b>	<b>711.46.17</b>	46 mm
<b>711.45.18</b>	<b>711.46.18</b>	48 mm
<b>711.45.19</b>	<b>711.46.19</b>	50 mm
<b>711.45.20</b>	<b>711.46.20</b>	52 mm
<b>711.45.21</b>	<b>711.46.21</b>	54 mm
<b>711.45.22</b>	<b>711.46.22</b>	56 mm
<b>711.45.23</b>	<b>711.46.23</b>	58 mm
<b>711.45.24</b>	<b>711.46.24</b>	60 mm
<b>711.45.25</b>	<b>711.46.25</b>	62 mm
<b>711.45.26</b>	<b>711.46.26</b>	64 mm
<b>711.45.27</b>	<b>711.46.27</b>	66 mm
<b>711.45.28</b>	<b>711.46.28</b>	68 mm
<b>711.45.29</b>	<b>711.46.29</b>	70 mm
<b>711.45.30</b>	<b>711.46.30</b>	72 mm
<b>711.45.31</b>	<b>711.46.31</b>	74 mm
<b>711.45.32</b>	<b>711.46.32</b>	76 mm
<b>711.45.33</b>	<b>711.46.33</b>	78 mm
<b>711.45.34</b>	<b>711.46.34</b>	80 mm
<b>711.45.35</b>	<b>711.46.35</b>	85 mm
<b>711.45.36</b>	<b>711.46.36</b>	90 mm
<b>711.45.37</b>	<b>711.46.37</b>	95 mm
<b>711.45.38</b>	<b>711.46.38</b>	100 mm
<b>711.45.39</b>	<b>711.46.39</b>	105 mm
<b>711.45.40</b>	<b>711.46.40</b>	110 mm
<b>711.45.41</b>	<b>711.46.41</b>	115 mm
<b>711.45.42</b>	<b>711.46.42</b>	120 mm
<b>711.45.43</b>	<b>711.46.43</b>	125 mm
<b>711.45.44</b>	<b>711.46.44</b>	130 mm
<b>711.45.45</b>	<b>711.46.45</b>	135 mm
<b>711.45.46</b>	<b>711.46.46</b>	140 mm



4,5 mm



3,0 mm

Gewindesteigung 1,75 mm  
Thread pitch 1,75 mm  
Paso de rosca 1,75 mm  
Distance entre filetage de 1,75 mm  
Passo del filetto 1,75 mm

Bohrer für Gewindeloch 3,2 mm siehe Seite 93  
Drill for threaded hole 3,2 mm see page 93  
Broca para orificio roscado 3,2 mm vea la página 93  
Foret pour trou fileté de 3,2 mm voir page 93  
Perforatore per foro filettato 3,2 mm vedi pagina 93

Bohrer für Gleitloch 4,5 mm siehe Seite 93  
Drills for sliding hole 4,5 mm see page 93  
Brocas para orificio de deslizamiento 4,5 mm vea la página 93  
Forets pour trou lisse de 4,5 mm voir page 93  
Perforatori per foro di scorrimento 3,5 mm vedi pagina 93

Gewindestneider 4,5 mm siehe Seite 93  
Tap 4,5 mm see page 93  
Roscador 4,5 mm vea página 93  
Taraud 4,5 mm voir page 93  
Filettatore 4,5 mm vedi pagina 93



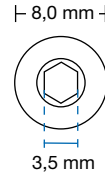
Verpackungseinheit "X" Stück  
Packing unit "X" pieces  
Paquete de "X" unidades  
Emballage de "X" pièces  
Confezione da "X" pezzi



selbstschneidend  
self-tapping  
rosca cortante  
autotaraudeuse  
autofilettanti



Standard  
Standard  
Estándar  
Standard  
Standard

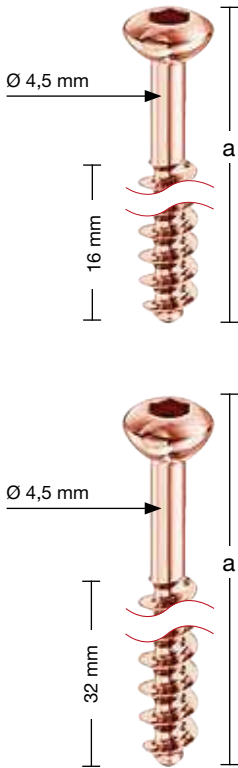


Spongiaschrauben 6,5 mm  
Spongiosa screws 6,5 mm  
Tornillos esponjosos 6,5 mm  
Vis spongieuse 6,5 mm  
Viti spongiosa 6,5 mm

1:1



a



711.66.01	---	30 mm
711.66.02	---	35 mm
711.66.03	---	40 mm
711.66.04	711.67.01	45 mm
711.66.05	711.67.02	50 mm
711.66.06	711.67.03	55 mm
711.66.07	711.67.04	60 mm
711.66.08	711.67.05	65 mm
711.66.09	711.67.06	70 mm
711.66.10	711.67.07	75 mm
711.66.11	711.67.08	80 mm
711.66.12	711.67.09	85 mm
711.66.13	711.67.10	90 mm
711.66.14	711.67.11	95 mm
711.66.15	711.67.12	100 mm
711.66.16	711.67.13	105 mm
711.66.17	711.67.14	110 mm
711.66.18	711.67.15	115 mm
711.66.19	711.67.16	120 mm
711.66.20	711.67.17	125 mm
711.66.21	711.67.18	130 mm
711.66.22	711.67.19	135 mm
711.66.23	711.67.20	140 mm
---	711.67.21	145 mm
---	711.67.22	150 mm



6,5 mm



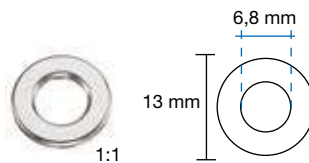
3,0 mm

Gewindesteigung 2,75 mm  
Thread pitch 2,75 mm  
Paso de rosca 2,75 mm  
Distance entre filetage de 2,75 mm  
Passo del filetto 2,75 mm

Bohrer für Gewindeloch 3,2 mm siehe Seite 93  
Drill for threaded hole 3,2 mm see page 93  
Broca para orificio roscado 3,2 mm vea la página 93  
Foret pour trou fileté de 3,2 mm voir page 93  
Perforatore per foro filettato 3,2 mm vedi pagina 93

Bohrer für Gleitloch 4,5 mm siehe Seite 93  
Drills for sliding hole 4,5 mm see page 93  
Brocas para orificio de deslizamiento 4,5 mm vea la página 93  
Forets pour trou lisse de 4,5 mm voir page 93  
Perforatori per foro di scorrimento 3,5 mm vedi pagina 93

Gewindeschneider 6,5 mm siehe Seite 77  
Tap 6,5 mm see page 77  
Roscador 6,5 mm vea página 77  
Taraud 6,5 mm voir page 77  
Filettatore 6,5 mm vedi pagina 77



1:1

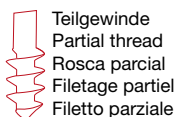
Unterlegscheibe für Spongiaschrauben 6,5 mm  
Washer for spongiosa screws 6,5 mm  
Arandela para tornillos esponjosos 6,5 mm  
Rondelle pour vis spongieuse 6,5 mm  
Rondella per viti spongiosa 6,5 mm



711.00.01



Verpackungseinheit "X" Stück  
Packing unit "X" pieces  
Paquete de "X" unidades  
Emballage de "X" pièces  
Confezione da "X" pezzi



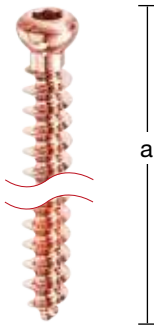
Teilgewinde  
Partial thread  
Rosca parcial  
Filetage partiel  
Filetto parziale



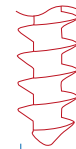
Spongiosaschrauben 6,5 mm  
Spongiosa screws 6,5 mm  
Tornillos esponjosos 6,5 mm  
Vis spongieuses 6,5 mm  
Viti spongiosa 6,5 mm



a



<b>711.65.01</b>	25 mm
<b>711.65.02</b>	30 mm
<b>711.65.03</b>	35 mm
<b>711.65.04</b>	40 mm
<b>711.65.05</b>	45 mm
<b>711.65.06</b>	50 mm
<b>711.65.07</b>	55 mm
<b>711.65.08</b>	60 mm
<b>711.65.09</b>	65 mm
<b>711.65.10</b>	70 mm
<b>711.65.11</b>	75 mm
<b>711.65.12</b>	80 mm
<b>711.65.13</b>	85 mm
<b>711.65.14</b>	90 mm
<b>711.65.15</b>	95 mm
<b>711.65.16</b>	100 mm
<b>711.65.17</b>	105 mm
<b>711.65.18</b>	110 mm
<b>711.65.19</b>	115 mm
<b>711.65.20</b>	120 mm
<b>711.65.21</b>	125 mm
<b>711.65.22</b>	130 mm



6,5 mm

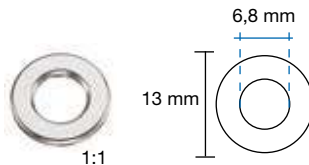


3,0 mm

Gewindesteigung 2,75 mm  
Thread pitch 2,75 mm  
Paso de rosca 2,75 mm  
Distance entre filetage de 2,75 mm  
Passo del filetto 2,75 mm

Bohrer für Gewindeloch 3,2 mm siehe Seite 93  
Drill for threaded hole 3,2 mm see page 93  
Broca para orificio roscado 3,2 mm vea la página 93  
Foret pour trou fileté de 3,2 mm voir page 93  
Perforatore per foro filettato 3,2 mm vedi pagina 93

Gewindeschneider 6,5 mm siehe Seite 77  
Tap 6,5 mm see page 77  
Roscador 6,5 mm vea página 77  
Taraud 6,5 mm voir page 77  
Filettatore 6,5 mm vedi pagina 77



Unterlegscheibe für Spongiosaschrauben 6,5 mm  
Washer for spongiosa screws 6,5 mm  
Arandela para tornillos esponjosos 6,5 mm  
Rondelle pour vis spongieuse 6,5 mm  
Rondella per viti spongiosa 6,5 mm



**711.00.01**



Verpackungseinheit "X" Stück  
Packing unit "X" pieces  
Paquete de "X" unidades  
Emballage de "X" pièces  
Confezione da "X" pezzi



Vollgewinde  
Full thread  
Rosca completa  
Filetage complet  
Filetto completo

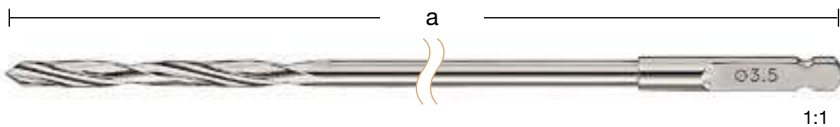
**3.5****4.0****4.5****6.5**

**Beckeninstrumentarium**  
**Pelvic Instrumentation**  
**Instrumental pélvicos**  
**Instrumentos para pelvis**  
**Strumenti pelvici**



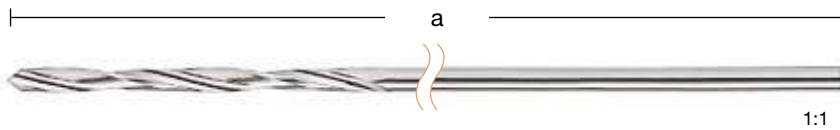
Bohrer für Schnellkupplung  
 Drills for quick coupling  
 Brocas para acoplamiento rápido  
 Forets pans pour accouplement rapide  
 Perforatori per accoppiamento rapido

	a	Ø
dreischneidig three-fluted edged corte triplicada trois pans tre tagli	<b>713.30.00</b>	230 mm / 2,5 mm
	<b>713.30.01</b>	230 mm / 3,2 mm
	<b>713.30.02</b>	195 mm / 4,5 mm



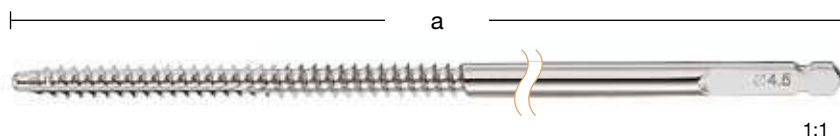
Bohrer für Schnellkupplung  
 Drill for quick coupling  
 Broca para acoplamiento rápido  
 Foret pour accouplement rapide  
 Perforatore per accoppiamento rapido

	a	Ø
	<b>710.30.17</b>	195 mm / 3,5 mm



Bohrer für Dreibackenspannfutter  
 Drills for three-jaw chuck  
 Brocas para plato de tres mordazas  
 Forets pour mandrin à trois mâchoires  
 Perforatori per mandrino a tre ganasce

	a	Ø
	<b>711.30.24</b>	180 mm / 3,2 mm
	<b>711.30.26</b>	180 mm / 4,5 mm



Gewindeschneider für Schnellkupplung  
 Taps for quick coupling  
 Roscadores para acoplamiento rápido  
 Tarauds pour accouplement rapide  
 Filettatori per accoppiamento rapido

	a	Ø
für Kortikalisschrauben Ø 3,5 / 4,5 mm for cortical screws Ø 3,5 / 4,5 mm para tornillos corticales Ø 3,5 / 4,5 mm pour vis corticales Ø 3,5 / 4,5 mm per viti corticalis Ø 3,5 / 4,5 mm	<b>710.30.21</b>	110 mm / 3,5 mm
	<b>711.30.29</b>	125 mm / 4,5 mm



**Beckeninstrumentarium  
Pelvic Instrumentation  
Instrumental para pelvis  
Instruments pelvins  
Strumenti pelvici**

**3.5**

**4.0**

**4.5**

**6.5**



T-Griff, klein, mit Schnellkupplung  
T-Handle, small, with quick coupling  
Mango en T, pequeño, con acoplamiento rápido  
Manche en T, petit, avec accouplement rapide  
Manico a T, piccolo, con accoppiamento rapido

**711.30.12**

3,5 mm



Schraubendreher Sechskant  
Screwdriver hexagonal  
Atornillador hexagonal  
Tournevis hexagonal  
Cacciavite esagonale

**NOVOTEX**

**711.30.16**

30 cm - 11 $\frac{3}{4}$ "

2,5 mm



Schraubendreher Sechskant  
Screwdriver hexagonal  
Atornillador hexagonal  
Tournevis hexagonal  
Cacciavite esagonale

**NOVOTEX**

**709.30.16**

27 cm - 10 $\frac{3}{4}$ "



**3.5****4.0****4.5****6.5**

**Beckeninstrumentarium**  
**Pelvic Instrumentation**  
**Instrumental para pelvis**  
**Instruments pelvins**  
**Strumenti pelvici**



Schraubendrehereinsatz, Sechskant  
 Screwdriver insert, hexagonal  
 Inserto para atornillador, hexagonal  
 Insert de tournevis, hexagonal  
 Inserto per cacciavite, esagonale

für Schnellkupplung  
 for quick coupling  
 para acoplamiento rápido  
 pour accouplement rapide  
 per accoppiamento rapido

**709.30.14**

16,5 cm - 6½"



Schraubendrehereinsatz, Sechskant  
 Screwdriver insert, hexagonal  
 Inserto para atornillador, hexagonal  
 Insert de tournevis, hexagonal  
 Inserto per cacciavite, esagonale

für Schnellkupplung  
 for quick coupling  
 para acoplamiento rápido  
 pour accouplement rapide  
 per accoppiamento rapido

**711.30.14**

16,5 cm - 6½"



Haltehülse für Schrauben  
 Holding sleeve for screws  
 Vaina para tornillos  
 Douille pour tenir les vis  
 Boccia per viti

für Schrauben Ø 3,5 / 4,0 mm  
 for screws Ø 3,5 / 4,0 mm  
 para tornillos Ø 3,5 / 4,0 mm  
 pour vis Ø 3,5 / 4,0 mm  
 per viti Ø 3,5 / 4,0 mm

**710.30.12**

Haltehülse für Schrauben  
 Holding sleeve for screws  
 Vaina para tornillos  
 Douille pour tenir les vis  
 Boccia per viti

für Schrauben Ø 4,5 / 6,5 mm  
 for screws Ø 4,5 / 6,5 mm  
 para tornillos Ø 4,5 / 6,5 mm  
 pour vis Ø 4,5 / 6,5 mm  
 per viti Ø 4,5 / 6,5 mm

**711.30.17**



**Beckeninstrumentarium  
Pelvic Instrumentation  
Instrumental para pelvis  
Instruments pelvins  
Strumenti pelvici**

**3.5**

**4.0**

**4.5**

**6.5**



Tiefenmessgerät, groß  
Depth gauge, large  
Medidor de profundidad, grande  
Jauge de profondeur, grand  
Strumenti per misurare la profondità, grande

für Schrauben Ø 4,5 / 6,5 mm  
for screws Ø 4,5 / 6,5 mm  
para tornillos Ø 4,5 / 6,5 mm  
pour vis Ø 4,5 / 6,5 mm  
per viti Ø 4,5 / 6,5 mm

**711.30.06**



Biegeeisen für Rekonstruktionsplatten  
Bending lever for reconstruction plates  
Palanca para doblar placas de reconstrucción  
Lever de pliage pour plaques de reconstruction  
Leva piegaplacche per placche di ricostruzione

für Platten 3,5 / 4,5 mm  
for plates 3,5 / 4,5 mm  
para placas 3,5 / 4,5 mm  
pour plaques 3,5 / 4,5 mm  
per placche 3,5 / 4,5 mm

**713.30.13**



Biegezange für Rekonstruktionsplatten  
Bending pliers for reconstruction plates  
Pinza para doblar placas de reconstrucción  
Pince de pliage pour plaques de reconstruction  
Leva piegaplacche per placche di ricostruzione

**713.30.14**

24 cm - 9½"

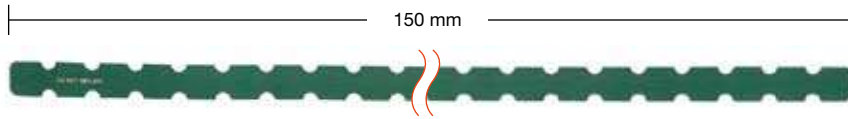
3.5

4.0

4.5

6.5

**Beckeninstrumentarium**  
**Pelvic Instrumentation**  
**Instrumental para pelvis**  
**Instruments pelvins**  
**Strumenti pelvici**



Biegeschablone für Rekonstruktionsplatten  
 Bending template for reconstruction plates  
 Placa de premoldeación para placas de reconstrucción  
 Plaque de préformation pour plaques reconstruction  
 Placca sagomabile per placche di ricostruzione

gerade, für Platten 3,5 mm  
 straight, for plates 3,5 mm  
 recta, para placas 3,5 mm  
 droite, pour plaques 3,5 mm  
 retta, per placche 3,5 mm

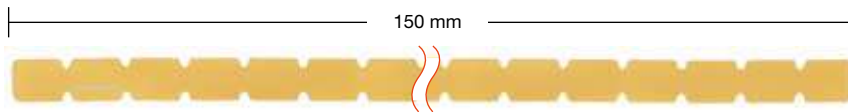
**713.30.15**



Biegeschablone für Rekonstruktionsplatten  
 Bending template for reconstruction plates  
 Placa de premoldeación para placas de reconstrucción  
 Plaque de préformation pour plaques reconstruction  
 Placca sagomabile per placche di ricostruzione

gebogen, für Platten 3,5 mm  
 curved, for plates 3,5 mm  
 curva, para placas 3,5 mm  
 courbée, pour plaques 3,5 mm  
 curva, per placche 3,5 mm

**713.30.16**



Biegeschablone für Rekonstruktionsplatten  
 Bending template for reconstruction plates  
 Placa de premoldeación para placas de reconstrucción  
 Plaque de préformation pour plaques reconstruction  
 Placca sagomabile per placche di ricostruzione

gerade, für Platten 4,5 mm  
 straight, for plates 4,5 mm  
 recta, para placas 4,5 mm  
 droite, pour plaques 4,5 mm  
 retta, per placche 4,5 mm

**713.30.17**



Repositionszange, groß  
Reposition forceps, large  
Pinza para reposición, grande  
Pince à reposition, grand  
Pinza di riposizione, grande

**713.30.05**

20 cm - 8"



1:3

Beckenrepositionszange für Schrauben  
Pelvic reposition forceps for screws  
Pinza de reposición de pelvis para tornillos  
Pince à reposition pelvienne pour vis  
Pinza di riposizione pelvica per viti

**713.30.06**

34 cm - 13 $\frac{3}{8}$ "



Beckenrepositionszange abgewinkelt  
Pelvic reposition forceps angled  
Pinza angulada para reposición de pelvis  
Pince coudée à reposition pelvienne  
Pinza angolata per riposizione pelvica

**713.30.07**

19 cm - 7 $\frac{1}{2}$ "

**3.5****4.0****4.5****6.5**

**Beckeninstrumentarium**  
**Pelvic Instrumentation**  
**Instrumental para pelvis**  
**Instruments pelvins**  
**Strumenti pelvici**



Beckenrepositionszange abgewinkelt  
 Pelvic reposition forceps angled  
 Pinza angulada para reposicionar pelvis  
 Pince coudée à reposition pelvienne  
 Pinza per riposizione pelvica angolata

**713.30.08**

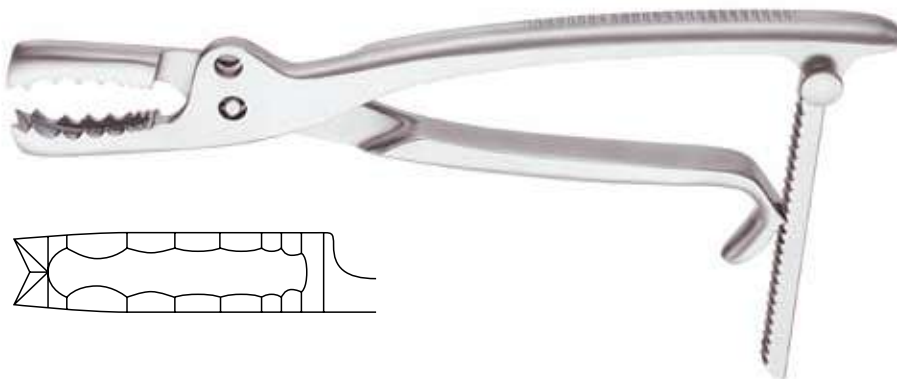
24 cm - 9½"



Beckenrepositionszange  
 Pelvic reposition forceps  
 Pinza para reposicionar pelvis  
 Grande pince à reposition pelvienne  
 Pinza per riposizione pelvica

**713.30.10**

25 cm - 10"



Beckenrepositionszange abgewinkelt  
 Pelvic reposition forceps angled  
 Pinza angulada para reposicionar pelvis  
 Pince coudée à reposition pelvienne  
 Pinza angolata per riposizione pelvica

**Farabeuf-Lambotte****35.64.96**

26 cm - 10¼"





**Beckeninstrumentarium  
Pelvic Instrumentation  
Instrumental para pelvis  
Instruments pelvins  
Strumenti pelvici**

**3.5**

**4.0**

**4.5**

**6.5**



1:4

Beckenrepositionszange, groß  
Pelvic reposition forceps, large  
Pinza para reposicionar pelvis, grande  
Pince à reposition pelvienne, grand  
Pinza per riposizione pelvica, grande

**713.30.09**

40 cm - 15<sup>3</sup>/<sub>4</sub>"



1:4

Beckenrepositionszange 1 x 2 Spitzen  
Pelvic reposition forceps 1 x 2 tips  
Pinza para reposicionar pelvis 1 x 2 puntas  
Pince à reposition pelvienne 1 x 2 dents  
Pinza per riposizione pelvica 1 x 2 denti

**713.30.11**

40 cm - 15<sup>3</sup>/<sub>4</sub>"



1:4

Beckenrepositionszange asymmetrisch  
Pelvic reposition forceps asymmetric  
Pinza para reposicionar pelvis asimétrica  
Pince à reposition pelvienne asymétrique  
Pinza per riposizione pelvica asimetrica

**713.30.12**

40 cm - 15<sup>3</sup>/<sub>4</sub>"

3.5

4.0

4.5

6.5

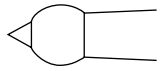
**Beckeninstrumentarium**  
**Pelvic Instrumentation**  
**Instrumental para pelvis**  
**Instruments pelvins**  
**Strumenti pelvici**



1:1

Abstützplatte für Repositionszangen  
 Support plate for reposition forceps  
 Placa de apoyo para pinzas de reposición  
 Plaque d'appui pour pinces de reposition  
 Placca di sostegno per pinze di riposizione

**713.30.04**

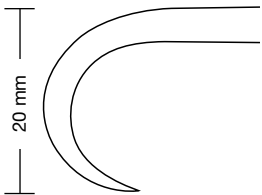


Knochenhaltestab  
 Bone holding device  
 Barra para sujetar huesos  
 Barreau pour os  
 Barra per osso

**NOVOTEX**

**713.30.03**

30 cm - 11<sup>3</sup>/<sub>4</sub>"



Wundhaken  
 Retractor  
 Separador  
 Ecarteur  
 Divaricatore

**Volkmann**

**22.34.01**

22 cm - 8<sup>3</sup>/<sub>4</sub>"



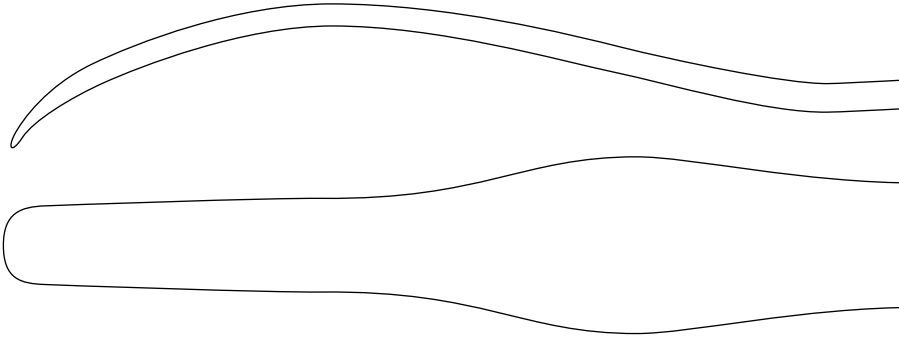
**Beckeninstrumentarium  
Pelvic Instrumentation  
Instrumental para pelvis  
Instruments pelvins  
Strumenti pelvici**

**3.5**

**4.0**

**4.5**

**6.5**



Beckenhebel  
Pelvis lever  
Palanca para pelvis  
Lever à pelvienne  
Elevatore pelvico

**77.12.54**

27 cm - 10<sup>3</sup>/<sub>4</sub>"



Schraube Ø 6 mm, Trokarspitze flach  
Screw Ø 6 mm, trocar point flat  
Tornillo Ø 6 mm, punta de trocar plana  
Vis Ø 6 mm, pointe trocar platte  
Vite Ø 6 mm, punta a trequarti piatta

**Schanz**

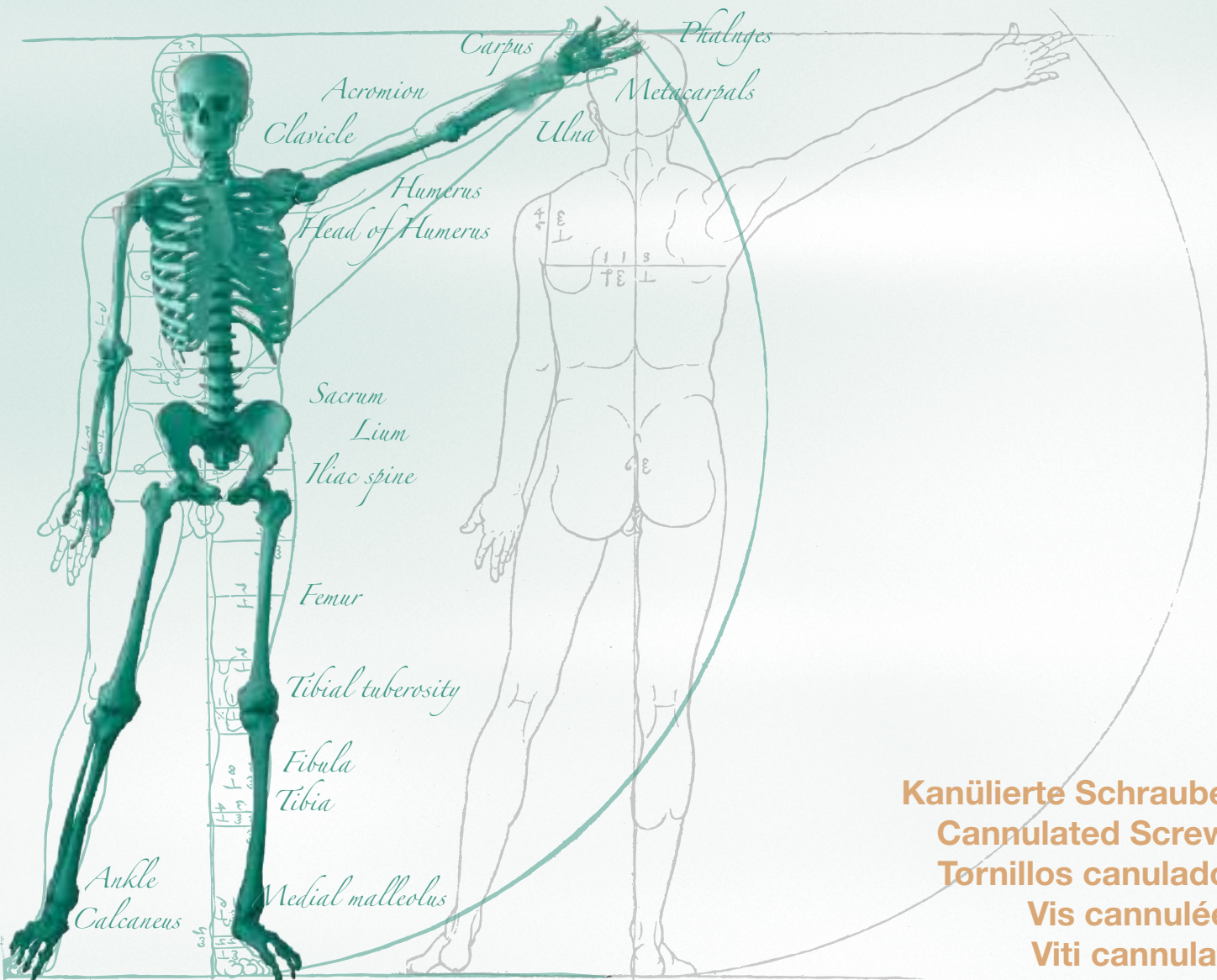
**713.30.18**

19 cm - 7<sup>1</sup>/<sub>2</sub>"



# ORTHO PAEDICS

## IMPLANTS AND INSTRUMENTS

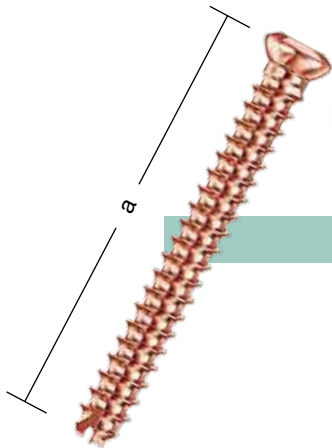


**Kanülierte Schrauben**  
**Cannulated Screws**  
**Tornillos canulados**  
**Vis cannulées**  
**Viti cannulate**



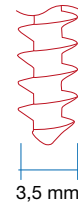
**Kanülierte Schrauben 3,5 mm**  
**Cannulated Screws 3,5 mm**  
**Tornillos canulados 3,5 mm**  
**Vis cannulées 3,5 mm**  
**Viti cannulate 3,5 mm**

**3.5**



Vollgewinde selbstschneidend  
 Full thread self-tapping  
 Rosca completa cortante  
 Filetage complet autotaraudeur  
 Filetto totale autofilettante

P 5	ST	Ti Titanium	a
712.35.01	712.37.01		10 mm
712.35.02	712.37.02		12 mm
712.35.03	712.37.03		14 mm
712.35.04	712.37.04		16 mm
712.35.05	712.37.05		18 mm
712.35.06	712.37.06		20 mm
712.35.07	712.37.07		22 mm
712.35.08	712.37.08		24 mm
712.35.09	712.37.09		26 mm
712.35.10	712.37.10		28 mm
712.35.11	712.37.11		30 mm
712.35.12	712.37.12		32 mm
712.35.13	712.37.13		34 mm
712.35.14	712.37.14		36 mm
712.35.15	712.37.15		38 mm
712.35.16	712.37.16		40 mm
712.35.17	712.37.17		42 mm
712.35.18	712.37.18		44 mm
712.35.19	712.37.19		46 mm
712.35.20	712.37.20		48 mm
712.35.21	712.37.21		50 mm



Bohrer für Gewindeloch 2,7 mm siehe Seite 106  
 Drill for threaded hole 2,7 mm see page 106  
 Broca para orificio roscado 2,7 mm vea la página 106  
 Foret pour trou fileté de 2,7 mm voir page 106  
 Perforatore per foro filettato 2,7 mm vedi pagina 106

Bohrer für Gleitloch 3,5 mm siehe Seite 106  
 Drill for sliding hole 3,5 mm see page 106  
 Broca para orificio de deslizamiento 3,5 mm vea la página 106  
 Foret pour trou lisse de 3,5 mm voir page 106  
 Perforatore per foro di scorrimento 3,5 mm vedi pagina 106

76.10.62  
 passender Kirschner Bohrdraht siehe Seite 226  
 suitable Kirschner wire see page 226  
 adecuado broca Kirschner vea página 226  
 broches de Kirschner appropriées voir page 226  
 adatto filo di Kirschner vedi pagina 226



Verpackungseinheit "X" Stück  
 Packing unit "X" pieces  
 Paquete de "X" unidades  
 Emballage de "X" pièces  
 Confezione da "X" pezzi



Stahl  
 Steel  
 Acero  
 Acier  
 Acciaio



Titan  
 Titanium  
 Titanio  
 Titano  
 Titane  
 Titanio

*did not let on. Expert opinions were gathered. Everything was kept*



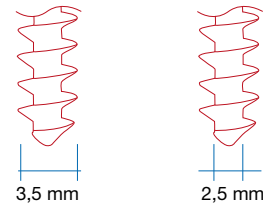
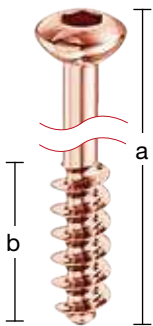
3.5

**Kanülierte Schrauben 3,5 mm**  
**Cannulated Screws 3,5 mm**  
**Tornillos canulados 3,5 mm**  
**Vis cannulées 3,5 mm**  
**Viti cannulate 3,5 mm**



Teilgewinde selbstschneidend  
 Partial thread self-tapping  
 Rosca parcial cortante  
 Filetage partiel autotaraudeur  
 Filetto parziale autofilettanti

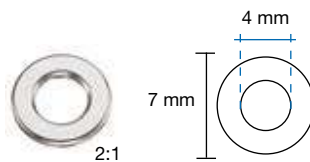
P 5	ST	Ti Titanium	a	b
	<b>712.36.01</b>	<b>712.38.01</b>	10 mm	4 mm
	<b>712.36.02</b>	<b>712.38.02</b>	12 mm	4 mm
	<b>712.36.03</b>	<b>712.38.03</b>	14 mm	5 mm
	<b>712.36.04</b>	<b>712.38.04</b>	16 mm	5 mm
	<b>712.36.05</b>	<b>712.38.05</b>	18 mm	6 mm
	<b>712.36.06</b>	<b>712.38.06</b>	20 mm	7 mm
	<b>712.36.07</b>	<b>712.38.07</b>	22 mm	7 mm
	<b>712.36.08</b>	<b>712.38.08</b>	24 mm	8 mm
	<b>712.36.09</b>	<b>712.38.09</b>	26 mm	8 mm
	<b>712.36.10</b>	<b>712.38.10</b>	28 mm	9 mm
	<b>712.36.11</b>	<b>712.38.11</b>	30 mm	10 mm
	<b>712.36.12</b>	<b>712.38.12</b>	32 mm	11 mm
	<b>712.36.13</b>	<b>712.38.13</b>	34 mm	11 mm
	<b>712.36.14</b>	<b>712.38.14</b>	36 mm	12 mm
	<b>712.36.15</b>	<b>712.38.15</b>	38 mm	12 mm
	<b>712.36.16</b>	<b>712.38.16</b>	40 mm	13 mm
	<b>712.36.17</b>	<b>712.38.17</b>	42 mm	14 mm
	<b>712.36.18</b>	<b>712.38.18</b>	44 mm	14 mm
	<b>712.36.19</b>	<b>712.38.19</b>	46 mm	15 mm
	<b>712.36.20</b>	<b>712.38.20</b>	48 mm	15 mm
	<b>712.36.21</b>	<b>712.38.21</b>	50 mm	16 mm



Bohrer für Gewindeloch 2,7 mm siehe Seite 106  
 Drill for threaded hole 2,7 mm see page 106  
 Broca para orificio roscado 2,7 mm vea la página 106  
 Foret pour trou fileté de 2,7 mm voir page 106  
 Perforatore per foro filettato 2,7 mm vedi pagina 106

Bohrer für Gleitloch 3,5 mm siehe Seite 106  
 Drill for sliding hole 3,5 mm see page 106  
 Broca para orificio de deslizamiento 3,5 mm vea la página 106  
 Foret pour trou lisse de 3,5 mm voir page 106  
 Perforatore per foro di scorrimento 3,5 mm vedi pagina 106

76.10.62  
 passender Kirschner Bohrdraht siehe Seite 226  
 suitable Kirschner wire see page 226  
 adecuado broca Kirschner vea página 226  
 broches de Kirschner appropriées voir page 226  
 adatto filo di Kirschner vedi pagina 226



Unterlegscheibe für kanülierte Schrauben 3,5 mm  
 Washer for cannulated screws 3,5 mm  
 Arandela para tornillos canulados 3,5 mm  
 Rondelle pour vis cannulée 3,5 mm  
 Rondella per viti cannulate 3,5 mm

P 5	710.00.00
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Verpackungseinheit "X" Stück  
 Packing unit "X" pieces  
 Paquete de "X" unidades  
 Emballage de "X" pièces  
 Confezione da "X" pezzi

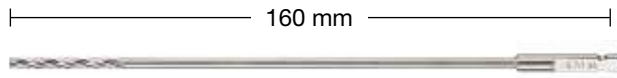
ST  
 Stahl  
 Steel  
 Acero  
 Acier  
 Acciaio

Ti  
 Titanium  
 Titanio  
 Titano  
 Titane  
 Titanio



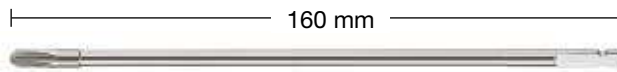
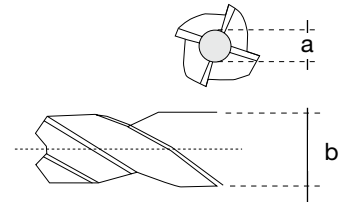
**Instrumentarium für kanülierte Schrauben 3,5 mm**  
**Instrumentation for cannulated Screws 3,5 mm**  
**Instrumental para tornillos canulados 3,5 mm**  
**Instruments pour vis canulées 3,5 mm**  
**Strumenti per viti cannulate 3,5 mm**

**3.5**



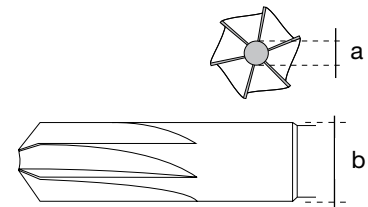
Bohrer für Schnellkupplung, kanüliert  
 Drills for quick coupling, cannulated  
 Brocas para acoplamiento rápido, canuladas  
 Forets pour accouplement rapide, canulés  
 Perforatori per accoppiamento rapido, cannulato

	a	b
vierschneidig four-edged filos cuatro quatre pans quattro tagli	<b>712.35.50</b>	1,35 mm 2,7 mm
	<b>712.35.51</b>	1,35 mm 3,5 mm



Kopfraumfräser für Schnellkupplung, kanüliert  
 Countersink for quick coupling, cannulated  
 Fresa para acoplamiento rápido, canulada  
 Fraise pour accouplement rapide, canulée  
 Fresa per accoppiamento rapido, cannulata

	a	b
	<b>712.35.52</b>	1,35 mm 5,0 mm



Handgriff  
 Handle  
 Mango  
 Manche  
 Manico

<b>NOVOTEX</b>	
mit Schnellkupplung with quick coupling con acoplamiento rápido avec accouplement rapide con accoppiamento rapido	<b>709.30.10</b>

**3.5**

**Instrumentarium für kanülierte Schrauben 3,5 mm**  
**Instrumentation for cannulated Screws 3,5 mm**  
**Instrumental para tornillos canulados 3,5 mm**  
**Instruments pour vis canulées 3,5 mm**  
**Strumenti per viti cannulate 3,5 mm**



Doppelbohrbuchse  
Double drill sleeve  
Casquillo de taladrar doble  
Double douille de forage  
Bussole di foratura doppia



<b>710.30.09</b>	3,5 mm	2,5 mm
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Doppelbohrbuchse  
Double drill sleeve  
Casquillo de taladrar doble  
Double douille de forage  
Bussole di foratura doppia



<b>712.35.53</b>	2,7 mm	1,25 mm
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2,5 mm



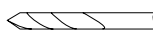
Schraubendreher Sechskant kanüliert  
Screwdriver hexagonal cannulated  
Atornillador hexagonal canulado  
Tournevis hexagonal canulé  
Cacciavite esagonale cannulato

**NOVOTEX**

<b>712.35.54</b>	
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für Gewindeschneider  
for taps  
para roscadores  
pour tarauds  
per filettatori



für Bohrer  
for drills  
para brocas  
pour forets  
per perforatori



**Instrumentarium für kanülierte Schrauben 3,5 mm**  
**Instrumentation for cannulated Screws 3,5 mm**  
**Instrumental para tornillos canulados 3,5 mm**  
**Instruments pour vis canulées 3,5 mm**  
**Strumenti per viti cannulate 3,5 mm**

**3.5**



1:1

Haltehülse für Schrauben  
Holding sleeve for screws  
Vaina para tornillos  
Douille pour tenir les vis  
Boccola per viti

für Schrauben Ø 3,5 mm  
for screws Ø 3,5 mm  
para tornillos Ø 3,5 mm  
pour vis Ø 3,5 mm  
per viti Ø 3,5 mm

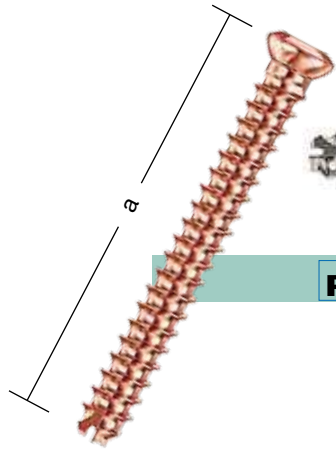
**709.30.19**



1:1

Schraubenhaltepinzette  
Screw holding forceps  
Pinza para agarrar tornillos  
Pince pour tenir les vis  
Pinza per tenere viti

**709.30.40**



Vollgewinde selbstschneidend  
 Full thread self-tapping  
 Rosca completa cortante  
 Filetage complet autotarauteur  
 Filetto completo autofilettante



ST



a

<b>712.45.01</b>	<b>712.47.01</b>	20 mm
<b>712.45.02</b>	<b>712.47.02</b>	22 mm
<b>712.45.03</b>	<b>712.47.03</b>	24 mm
<b>712.45.04</b>	<b>712.47.04</b>	26 mm
<b>712.45.05</b>	<b>712.47.05</b>	28 mm
<b>712.45.06</b>	<b>712.47.06</b>	30 mm
<b>712.45.07</b>	<b>712.47.07</b>	32 mm
<b>712.45.08</b>	<b>712.47.08</b>	34 mm
<b>712.45.09</b>	<b>712.47.09</b>	36 mm
<b>712.45.10</b>	<b>712.47.10</b>	38 mm
<b>712.45.11</b>	<b>712.47.11</b>	40 mm
<b>712.45.12</b>	<b>712.47.12</b>	42 mm
<b>712.45.13</b>	<b>712.47.13</b>	44 mm
<b>712.45.14</b>	<b>712.47.14</b>	46 mm
<b>712.45.15</b>	<b>712.47.15</b>	48 mm
<b>712.45.16</b>	<b>712.47.16</b>	50 mm
<b>712.45.17</b>	<b>712.47.17</b>	52 mm
<b>712.45.18</b>	<b>712.47.18</b>	54 mm
<b>712.45.19</b>	<b>712.47.19</b>	56 mm
<b>712.45.20</b>	<b>712.47.20</b>	60 mm
<b>712.45.21</b>	<b>712.47.21</b>	64 mm
<b>712.45.22</b>	<b>712.47.22</b>	68 mm
<b>712.45.23</b>	<b>712.47.23</b>	72 mm



4,5 mm

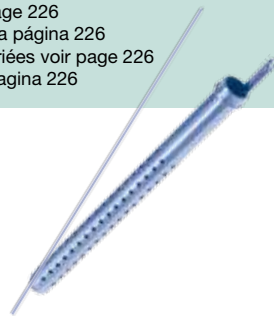


3,2 mm

Bohrer für Gewindeloch 3,2 mm siehe Seite 111  
 Drill for threaded hole 3,2 mm see page 111  
 Broca para orificio roscado 3,2 mm vea la página 111  
 Foret pour trou fileté de 3,2 mm voir page 111  
 Perforatore per foro filettato 3,2 mm vedi pagina 111

Bohrer für Gleitloch 4,5 mm siehe Seite 111  
 Drill for sliding hole 4,5 mm see page 111  
 Broca para orificio de deslizamiento 4,5 mm vea la página 111  
 Foret pour trou lisse de 4,5 mm voir page 111  
 Perforatore per foro di scorrimento 4,5 mm vedi pagina 111

76.10.66  
 passender Kirschner Bohrdraht siehe Seite 226  
 suitable Kirschner wire see page 226  
 adecuado broca Kirschner vea página 226  
 broches de Kirschner appropriées voir page 226  
 adatto filo di Kirschner vedi pagina 226



Verpackungseinheit "X" Stück  
 Packing unit "X" pieces  
 Paquete de "X" unidades  
 Emballage de "X" pièces  
 Confezione da "X" pezzi



Stahl  
 Steel  
 Acero  
 Acier  
 Acciaio



Titan  
 Titanium  
 Titanio  
 Titano  
 Titane  
 Titanio





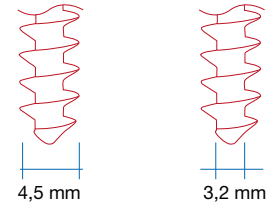
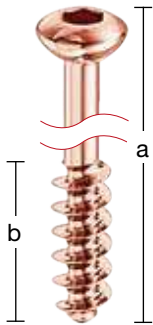
**Kanülierte Schrauben 4,5 mm**  
**Cannulated Screws 4,5 mm**  
**Tornillos canulados 4,5 mm**  
**Vis cannulées 4,5 mm**  
**Viti cannulate 4,5 mm**

**4.5**



Teilgewinde selbstschneidend  
 Partial thread self-tapping  
 Rosca parcial cortante  
 Filetage partiel autotaraudeur  
 Filetto parziale autofilettante

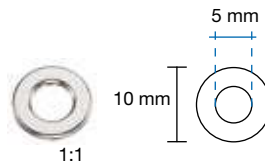
P 5		ST	Ti Titanium	a	b
712.46.01	712.48.01	20 mm	7 mm		
712.46.02	712.48.02	22 mm	7 mm		
712.46.03	712.48.03	24 mm	8 mm		
712.46.04	712.48.04	26 mm	9 mm		
712.46.05	712.48.05	28 mm	9 mm		
712.46.06	712.48.06	30 mm	10 mm		
712.46.07	712.48.07	32 mm	11 mm		
712.46.08	712.48.08	34 mm	11 mm		
712.46.09	712.48.09	36 mm	12 mm		
712.46.10	712.48.10	38 mm	13 mm		
712.46.11	712.48.11	40 mm	13 mm		
712.46.12	712.48.12	42 mm	14 mm		
712.46.13	712.48.13	44 mm	15 mm		
712.46.14	712.48.14	46 mm	15 mm		
712.46.15	712.48.15	48 mm	16 mm		
712.46.16	712.48.16	50 mm	16 mm		
712.46.17	712.48.17	52 mm	17 mm		
712.46.18	712.48.18	54 mm	18 mm		
712.46.19	712.48.19	56 mm	19 mm		
712.46.20	712.48.20	60 mm	20 mm		
712.46.21	712.48.21	64 mm	21 mm		
712.46.22	712.48.22	68 mm	23 mm		
712.46.23	712.48.23	72 mm	24 mm		



Bohrer für Gewindeloch 3,2 mm siehe Seite 111  
 Drill for threaded hole 3,2 mm see page 111  
 Broca para orificio roscado 3,2 mm vea la página 111  
 Foret pour trou fileté de 3,2 mm voir page 111  
 Perforatore per foro filettato 3,2 mm vedi pagina 111

Bohrer für Gleitloch 4,5 mm siehe Seite 111  
 Drill for sliding hole 4,5 mm see page 111  
 Broca para orificio de deslizamiento 4,5 mm vea la página 111  
 Foret pour trou lisse de 4,5 mm voir page 111  
 Perforatore per foro di scorrimento 4,5 mm vedi pagina 111

76.10.66  
 passender Kirschner Bohrdraht siehe Seite 226  
 suitable Kirschner wire see page 226  
 adecuado broca Kirschner vea página 226  
 broches de Kirschner appropriées voir page 226  
 adatto filo di Kirschner vedi pagina 226



Unterlegscheibe für kanülierte Schrauben 4,5 mm  
 Washer for cannulated screws 4,5 mm  
 Arandela para tornillos canulados 4,5 mm  
 Rondelle pour vis cannulée 4,5 mm  
 Rondella per viti cannulate 4,5 mm

P 5		711.00.00
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Verpackungseinheit "X" Stück  
 Packing unit "X" pieces  
 Paquete de "X" unidades  
 Emballage de "X" pièces  
 Confezione da "X" pezzi

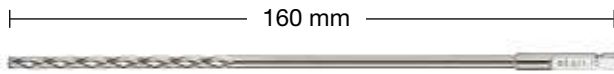


Stahl  
 Steel  
 Acero  
 Acier  
 Acciaio



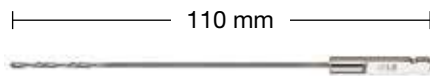
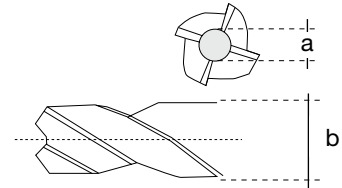
Titan  
 Titanium  
 Titanio  
 Titano  
 Titane  
 Titanio

**Instrumentarium für kanülierte Schrauben 4,5 mm**  
**Instrumentation for cannulated Screws 4,5 mm**  
**Instrumental para tornillos canulados 4,5 mm**  
**Instruments pour vis canulées 4,5 mm**  
**Strumenti per viti cannulate 4,5 mm**



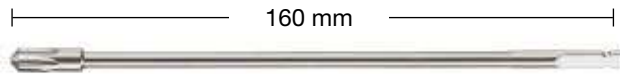
Bohrer für Schnellkupplung, kanüliert  
 Drills for quick coupling, cannulated  
 Brocas para acoplamiento rápido, canulada  
 Forets pour accouplement rapide, canulés  
 Perforatori per accoppiamento rapido, cannulato

	a	b
vierschneidig four-edged filos cuatro quatre pans quattro tagli	<b>712.45.50</b>	1,75 mm 3,2 mm
	<b>712.45.51</b>	1,75 mm 4,5 mm



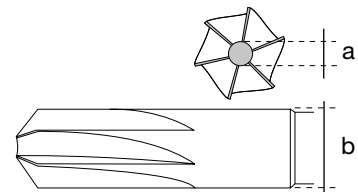
Bohrer für Schnellkupplung  
 Drill for quick coupling  
 Broca para acoplamiento rápido  
 Foret pour accouplement rapide  
 Perforatore per accoppiamento rapido

	Ø
	<b>709.30.22</b>
	1,5 mm



Kopfraumfräser für Schnellkupplung, kanüliert  
 Countersink for quick coupling, cannulated  
 Fresa para acoplamiento rápido, canulada  
 Fraise pour accouplement rapide, canulée  
 Fresa per accoppiamento rapido, cannulata

	a	b
	<b>712.45.53</b>	1,8 mm 6,5 mm



T-Griff, klein, mit Schnellkupplung  
 T-handle, small, with quick coupling  
 Mango en T, pequeño, con acoplamiento rápido  
 Manche en T, petit, avec accouplement rapide  
 Manico a T, piccolo, con accoppiamento rapido

	<b>711.30.12</b>
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**Instrumentarium für kanülierte Schrauben 4,5 mm**  
**Instrumentation for cannulated Screws 4,5 mm**  
**Instrumental para tornillos canulados 4,5 mm**  
**Instruments pour vis canulées 4,5 mm**  
**Strumenti per viti cannulate 4,5 mm**

**4.5**



Doppelbohrbuchse  
 Double drill sleeve  
 Casquillo de taladrar doble  
 Double douille de forage  
 Bussole di foratura doppia



**711.30.08** | 4,5 mm | 3,2 mm

3,5 mm  
  
 12,0 mm



Schraubendreher Sechskant  
 Screwdriver hexagonal  
 Atornillador hexagonal  
 Tournevis hexagonal  
 Cacciavite esagonale

kanüliert 2,0 mm  
 cannulated 2,0 mm  
 canulada 2,0 mm  
 canulée 2,0 mm  
 cannulata 2,0 mm

**712.45.54**



Haltehülse für Schrauben  
 Holding sleeve for screws  
 Vaina para tornillos  
 Douille pour tenir les vis  
 Boccola per viti

1:1

für Schrauben Ø 4,5 / 6,5 / 7,0 mm  
 for screws Ø 4,5 / 6,5 / 7,0 mm  
 para tornillos Ø 4,5 / 6,5 / 7,0 mm  
 pour vis Ø 4,5 / 6,5 / 7,0 mm  
 per viti Ø 4,5 / 6,5 / 7,0 mm

**712.45.55**



Schraubenhaltepinzette  
 Screw holding forceps  
 Pinza para agarrar tornillos  
 Pince pour tenir les vis  
 Pinza per tenere viti

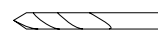
1:1

**709.30.40**

für Gewindeschneider  
 for taps  
 para roscadores  
 pour tarauds  
 per filettatori



für Bohrer  
 for drills  
 para brocas  
 pour forets  
 per perforatori





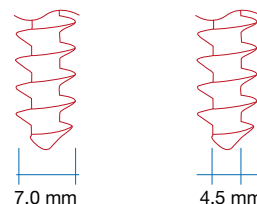
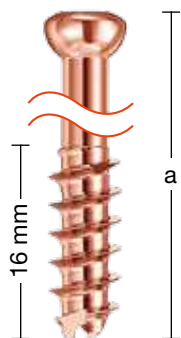
**7.0**

**Kanülierte Schrauben 7,0 mm**  
**Cannulated Screws 7,0 mm**  
**Tornillos canulados 7,0 mm**  
**Vis cannulées 7,0 mm**  
**Viti cannulate 7,0 mm**



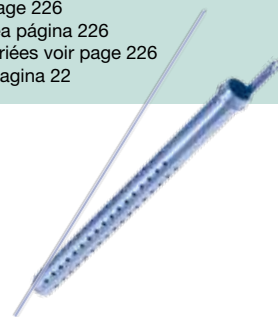
Teilgewinde selbstschneidend  
 Partial thread self-tapping  
 Rosca parcial cortante  
 Filetage partiel autotaraudeur  
 Filetto parziale autofilettante

 5	ST	 Titanium	a
<b>712.70.01</b>		<b>712.72.01</b>	30 mm
<b>712.70.02</b>		<b>712.72.02</b>	35 mm
<b>712.70.03</b>		<b>712.72.03</b>	40 mm
<b>712.70.04</b>		<b>712.72.04</b>	45 mm
<b>712.70.05</b>		<b>712.72.05</b>	50 mm
<b>712.70.06</b>		<b>712.72.06</b>	55 mm
<b>712.70.07</b>		<b>712.72.07</b>	60 mm
<b>712.70.08</b>		<b>712.72.08</b>	65 mm
<b>712.70.09</b>		<b>712.72.09</b>	70 mm
<b>712.70.10</b>		<b>712.72.10</b>	75 mm
<b>712.70.11</b>		<b>712.72.11</b>	80 mm
<b>712.70.12</b>		<b>712.72.12</b>	85 mm
<b>712.70.13</b>		<b>712.72.13</b>	90 mm
<b>712.70.14</b>		<b>712.72.14</b>	95 mm
<b>712.70.15</b>		<b>712.72.15</b>	100 mm
<b>712.70.16</b>		<b>712.72.16</b>	105 mm
<b>712.70.17</b>		<b>712.72.17</b>	110 mm
<b>712.70.18</b>		<b>712.72.18</b>	115 mm
<b>712.70.19</b>		<b>712.72.19</b>	120 mm
<b>712.70.20</b>		<b>712.72.20</b>	125 mm
<b>712.70.21</b>		<b>712.72.21</b>	130 mm



Bohrer für Gewindeloch 4,5 mm siehe Seite 115  
 Drill for threaded hole 4,5 mm see page 115  
 Broca para orificio roscado 4,5 mm vea la página 115  
 Foret pour trou fileté de 4,5 mm voir page 115  
 Perforatore per foro filettato 4,5 mm vedi pagina 115

76.11.70  
 passender Kirschner Bohrdraht siehe Seite 226  
 suitable Kirschner wire see page 226  
 adecuado broca Kirschner vea página 226  
 broches de Kirschner appropriées voir page 226  
 adatto filo di Kirschner vedi pagina 22



Verpackungseinheit "X" Stück  
 Packing unit "X" pieces  
 Paquete de "X" unidades  
 Emballage de "X" pièces  
 Confezione da "X" pezzi



Stahl  
 Steel  
 Acero  
 Acier  
 Acciaio



Titan  
 Titanium  
 Titanio  
 Titano  
 Titane  
 Titanio

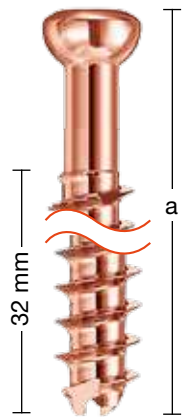


**Kanülierte Schrauben 7,0 mm**  
**Cannulated Screws 7,0 mm**  
**Tornillos canulados 7,0 mm**  
**Vis cannulées 7,0 mm**  
**Viti cannulate 7,0 mm**

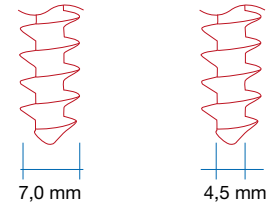
**7.0**



Teilgewinde selbstschneidend  
 Partial thread self-tapping  
 Rosca parcial cortante  
 Filetage partiel autofarauteur  
 Filetto parziale autofilettante

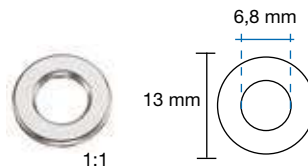


P5	ST	Ti Titanium	a
<b>712.71.01</b>	<b>712.73.01</b>		45 mm
<b>712.71.02</b>	<b>712.73.02</b>		50 mm
<b>712.71.03</b>	<b>712.73.03</b>		55 mm
<b>712.71.04</b>	<b>712.73.04</b>		60 mm
<b>712.71.05</b>	<b>712.73.05</b>		65 mm
<b>712.71.06</b>	<b>712.73.06</b>		70 mm
<b>712.71.07</b>	<b>712.73.07</b>		75 mm
<b>712.71.08</b>	<b>712.73.08</b>		80 mm
<b>712.71.09</b>	<b>712.73.09</b>		85 mm
<b>712.71.10</b>	<b>712.73.10</b>		90 mm
<b>712.71.11</b>	<b>712.73.11</b>		95 mm
<b>712.71.12</b>	<b>712.73.12</b>		100 mm
<b>712.71.13</b>	<b>712.73.13</b>		105 mm
<b>712.71.14</b>	<b>712.73.14</b>		110 mm
<b>712.71.15</b>	<b>712.73.15</b>		115 mm
<b>712.71.16</b>	<b>712.73.16</b>		120 mm
<b>712.71.17</b>	<b>712.73.17</b>		125 mm
<b>712.71.18</b>	<b>712.73.18</b>		130 mm



Bohrer für Gewindeloch 4,5 mm siehe Seite 115  
 Drill for threaded hole 4,5 mm see page 115  
 Broca para orificio roscado 4,5 mm vea la página 115  
 Foret pour trou fileté de 4,5 mm voir page 115  
 Perforatore per foro filettato 4,5 mm vedi pagina 115

76.11.70  
 passender Kirschner Bohrdrat siehe Seite 226  
 suitable Kirschner wire see page 226  
 adecuado broca Kirschner vea página 226  
 broches de Kirschner appropriées voir page 226  
 adatto filo di Kirschner vedi pagina 22



Unterlegscheibe für kanülierte Schrauben 7,0 mm  
 Washer for cannulated screws 7,0 mm  
 Arandela para tornillos canulados 7,0 mm  
 Rondelle pour vis cannulée 7,0 mm  
 Rondella per viti cannulate 7,0 mm

P5	
<b>711.00.01</b>	



Verpackungseinheit "X" Stück  
 Packing unit "X" pieces  
 Paquete de "X" unidades  
 Emballage de "X" pièces  
 Confezione da "X" pezzi

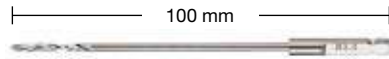


Stahl  
 Steel  
 Acero  
 Acier  
 Acciaio



Titan  
 Titanium  
 Titanio  
 Titane  
 Titanio

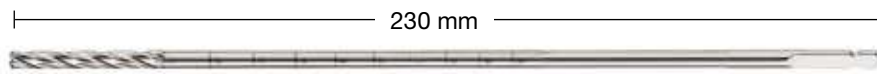




Bohrer für Schnellkupplung  
 Drill for quick coupling  
 Broca para acoplamiento rápido  
 Foret pour accouplement rapide  
 Perforatore per accoppiamento rapido

	Ø
<b>709.30.23</b>	2,0 mm

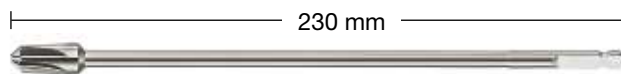
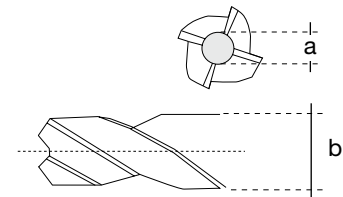
kalibriert  
 calibrated  
 calibrado  
 calibré  
 calibrato



Bohrer für Dreibackenspannfutter, kanüliert  
 Drill for three-jaw chuck, cannulated  
 Broca para plato de tres mordazas, canulada  
 Foret pour mandrin à trois mâchoires, canulés  
 Perforatore per mandrino a tre ganasce, cannulati

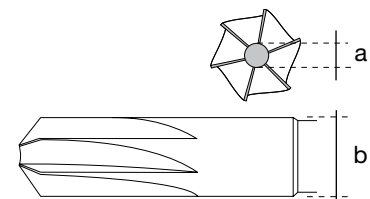
	a	b
<b>712.75.50</b>	2,1 mm	4,5 mm

vierschneidig  
 four-edged  
 filos cuatro  
 quatre pans  
 quattro tagli



Kopfraumfräser für Schnellkupplung, kanüliert  
 Countersink for quick coupling, cannulated  
 Fresa para acoplamiento rápido, canulada  
 Fraise pour accouplement rapide, canulée  
 Fresa per accoppiamento rapido, cannulata

	a	b
<b>712.75.51</b>	2,1 mm	8,0 mm



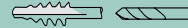


**Instrumentarium für kanülierte Schrauben 7,0 mm**  
**Instrumentation for cannulated Screws 7,0 mm**  
**Instrumental para tornillos canulados 7,0 mm**  
**Instruments pour vis canulées 7,0 mm**  
**Strumenti per viti cannulate 7,0 mm**

**7.0**



Doppelbohrbuchse  
 Double drill sleeve  
 Casquillo de taladrar doble  
 Double douille de forage  
 Bussole di foratura doppia



<b>711.30.08</b>	4,5 mm	3,2 mm
------------------	--------	--------

3,5 mm  
  
 12,1 mm



Schraubendreher Sechskant  
 Screwdriver hexagonal  
 Atornillador hexagonal  
 Tournevis hexagonal  
 Cacciavite esagonale

**NOVOTEX**

kanüliert 2,1 mm  
 cannulated 2,1 mm  
 canulado 2,1 mm  
 cannulée 2,1 mm  
 cannulato 2,1 mm

<b>712.75.54</b>	
------------------	--



Haltehülse für Schrauben  
 Holding sleeve for screws  
 Vaina para tornillos  
 Douille pour tenir les vis  
 Boccia per viti

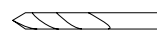
für Schrauben Ø 4,5 / 6,5 / 7,0 mm  
 for screws Ø 4,5 / 6,5 / 7,0 mm  
 para tornillos Ø 4,5 / 6,5 / 7,0 mm  
 pour vis Ø 4,5 / 6,5 / 7,0 mm  
 per viti Ø 4,5 / 6,5 / 7,0 mm

<b>711.30.17</b>	
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für Gewindeschneider  
 for taps  
 para roscadores  
 pour tarauds  
 per filettatori

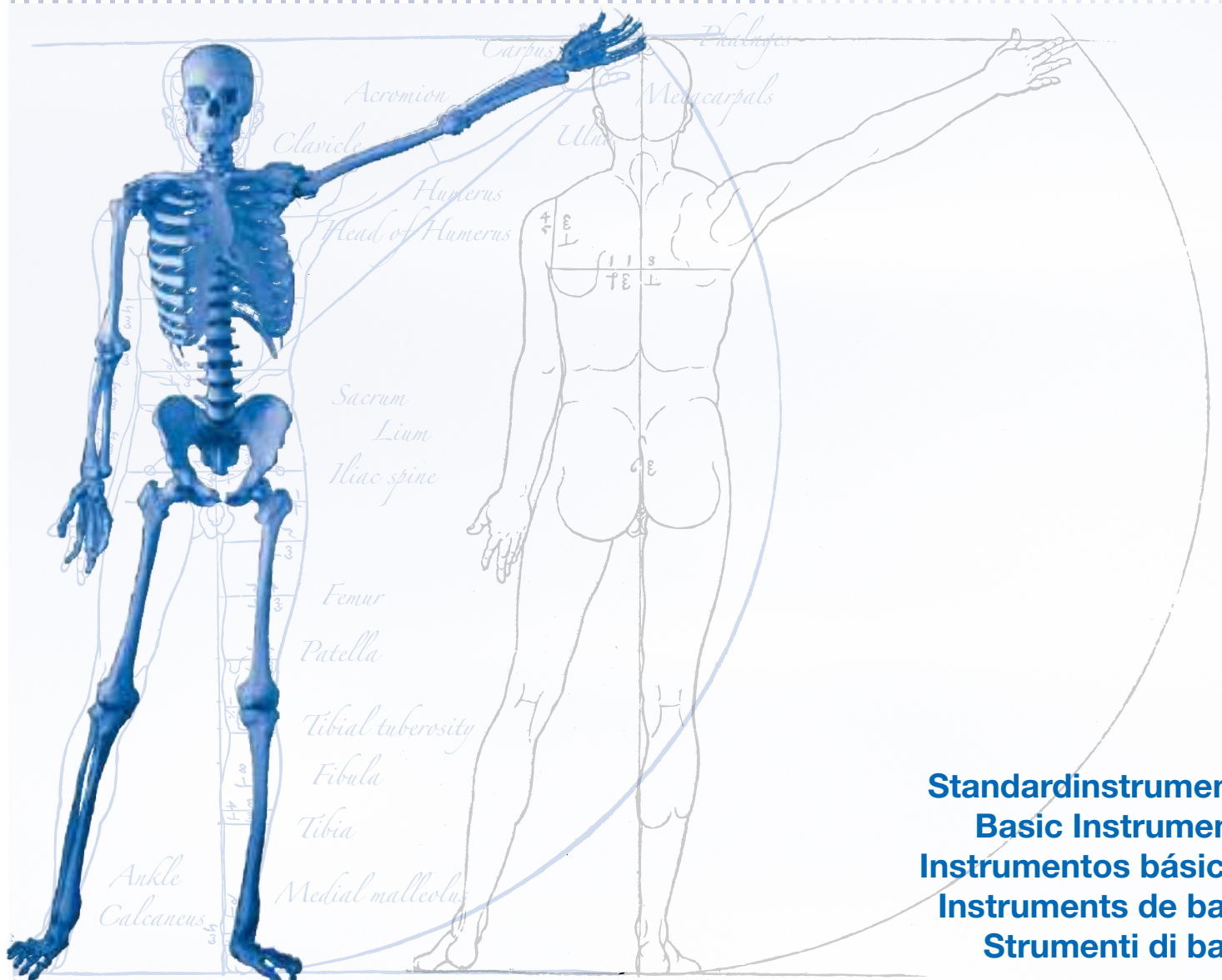


für Bohrer  
 for drills  
 para brocas  
 pour forets  
 per perforatori



# ORTHOPAEDICS

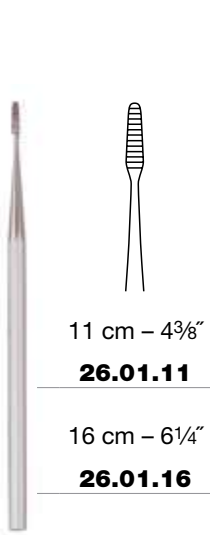
## IMPLANTS AND INSTRUMENTS



Standardinstrumente  
Basic Instruments  
Instrumentos básicos  
Instruments de base  
Strumenti di base



**Knochenfeilen**  
**Bone Files**  
**Limas para huesos**  
**Limes à os**  
**Lime per ossa**



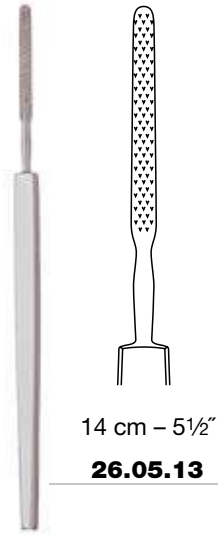
11 cm - 4<sup>3</sup>/<sub>8</sub>"

**26.01.11**

16 cm - 6<sup>1</sup>/<sub>4</sub>"

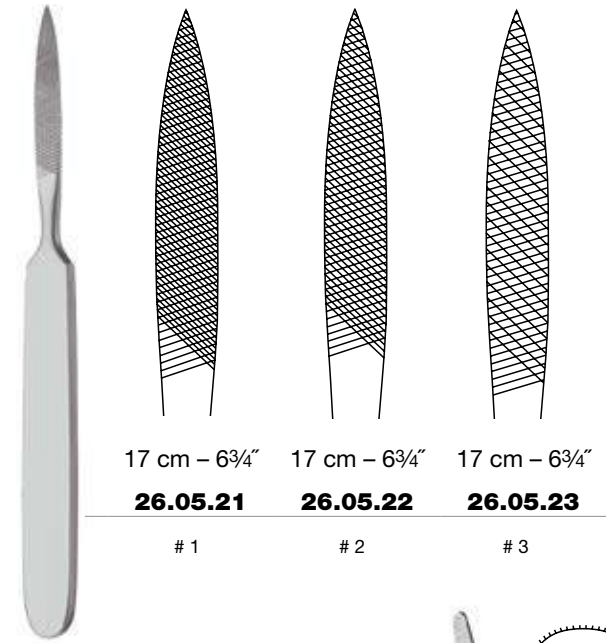
**26.01.16**

**Black**



14 cm - 5<sup>1</sup>/<sub>2</sub>"

**26.05.13**



17 cm - 6<sup>3</sup>/<sub>4</sub>"

**26.05.21**

# 1

17 cm - 6<sup>3</sup>/<sub>4</sub>"

**26.05.22**

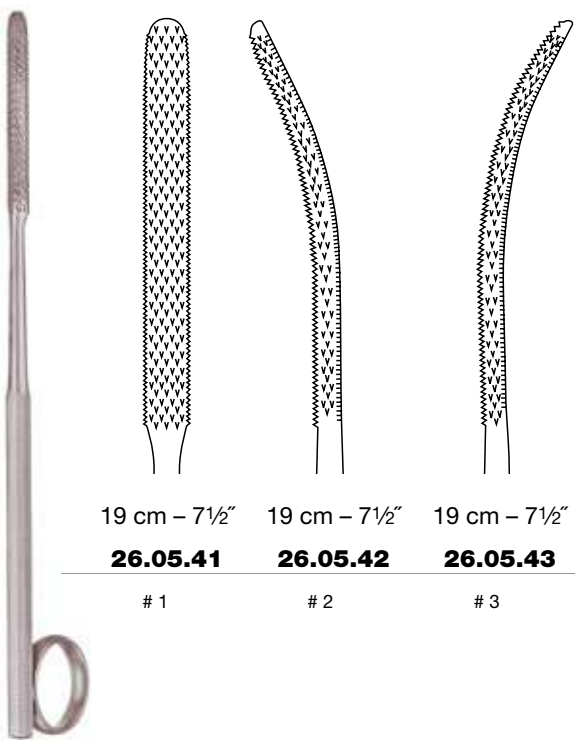
# 2

17 cm - 6<sup>3</sup>/<sub>4</sub>"

**26.05.23**

# 3

**Joseph**



19 cm - 7<sup>1</sup>/<sub>2</sub>"

**26.05.41**

# 1

19 cm - 7<sup>1</sup>/<sub>2</sub>"

**26.05.42**

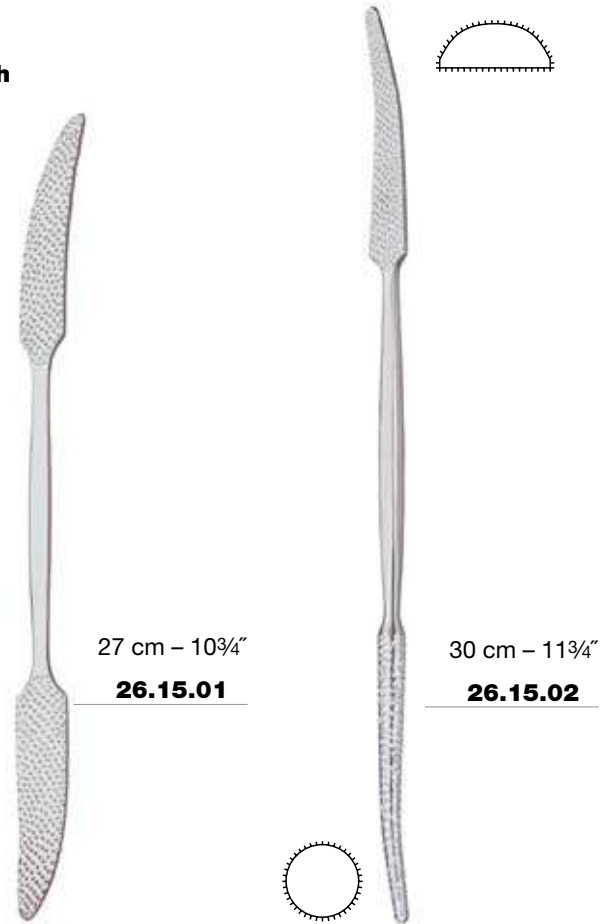
# 2

19 cm - 7<sup>1</sup>/<sub>2</sub>"

**26.05.43**

# 3

**Gallaher**



27 cm - 10<sup>3</sup>/<sub>4</sub>"

**26.15.01**

**Putti**

30 cm - 11<sup>3</sup>/<sub>4</sub>"

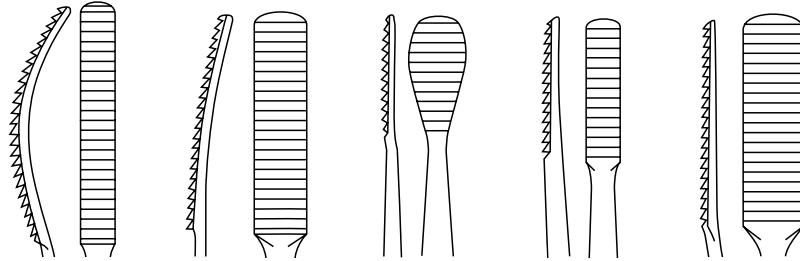
**26.15.02**

**Putti**

**Knochenfeilen**  
**Bone Files**  
**Limas para huesos**  
**Limes à os**  
**Lime per ossa**

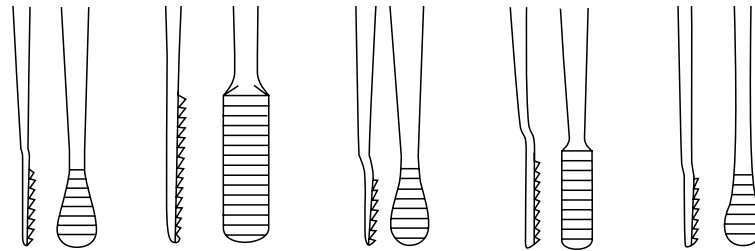


**Miller**

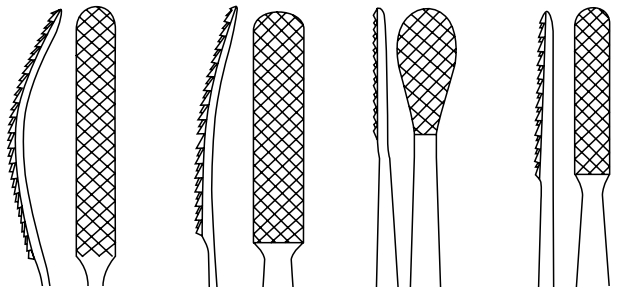


18 cm - 7 1/8"    18 cm - 7 1/8"    18 cm - 7 1/8"    18 cm - 7 1/8"    18 cm - 7 1/8"  
**26.10.10**    **26.10.11**    **26.10.12**    **26.10.13**    **26.10.14**

# 10                    # 11                    # 12                    # 13                    # 14

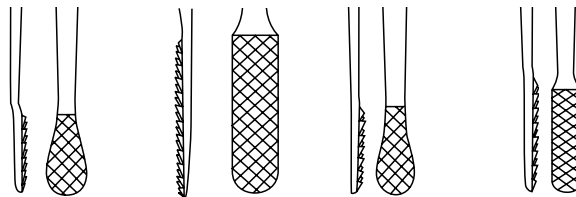


**Miller**



18 cm - 7 1/8"    18 cm - 7 1/8"    18 cm - 7 1/8"    18 cm - 7 1/8"  
**26.10.20**    **26.10.21**    **26.10.22**    **26.10.23**

# 10C                    # 11C                    # 12C                    # 13C



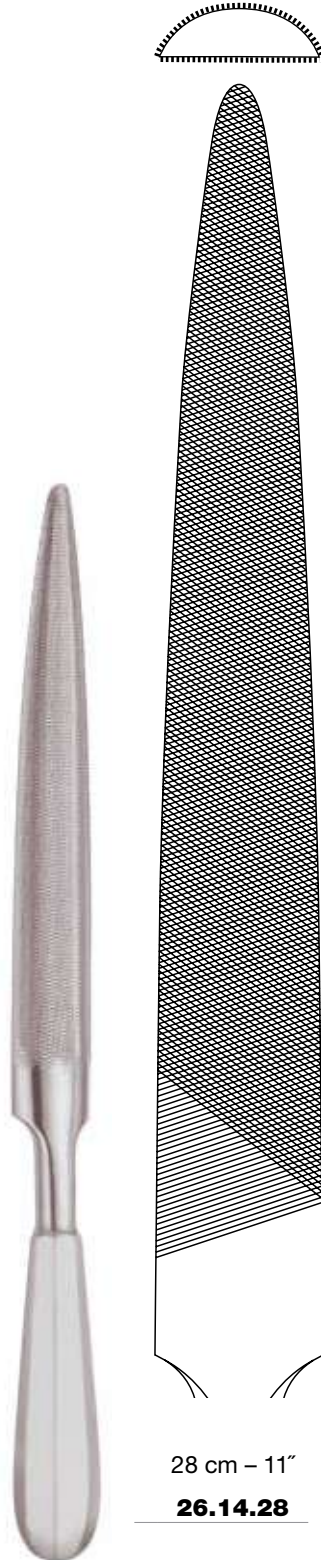




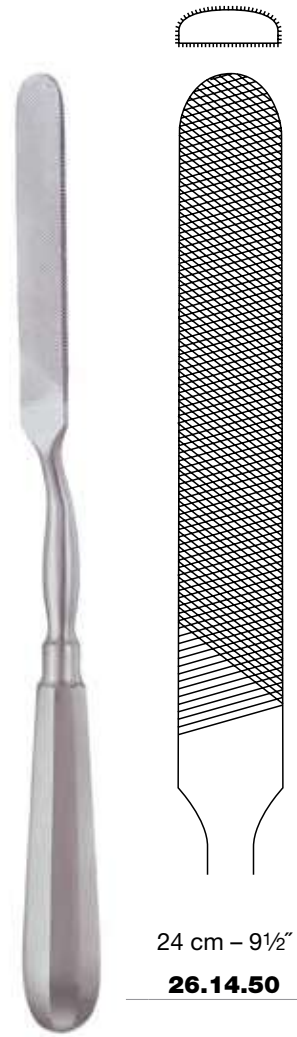
**Knochenfeilen**  
**Bone Files**  
**Limas para huesos**  
**Limes à os**  
**Lime per ossa**



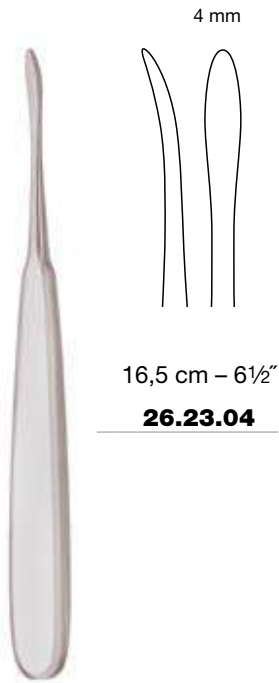
22 cm - 8<sup>3</sup>/<sub>4</sub>"  
**26.14.22**



28 cm - 11"  
**26.14.28**



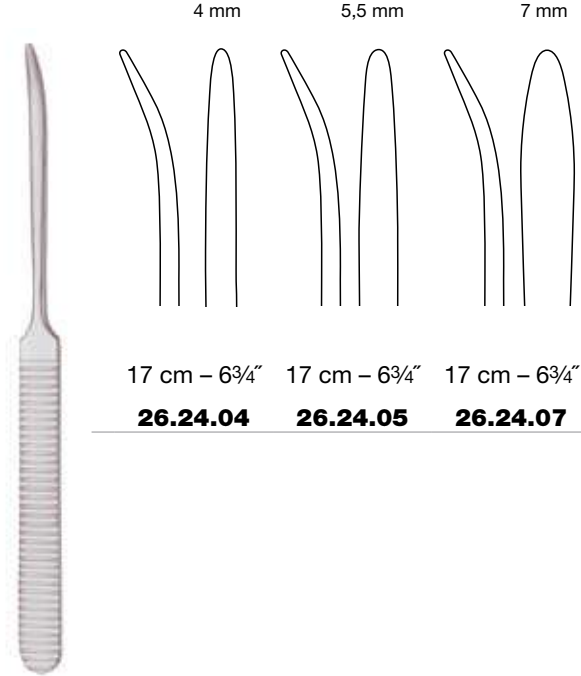
24 cm - 9<sup>1</sup>/<sub>2</sub>"  
**26.14.50**



16,5 cm – 6½"

**26.23.04**

**Sebileau**



17 cm – 6¾"

**26.24.04**

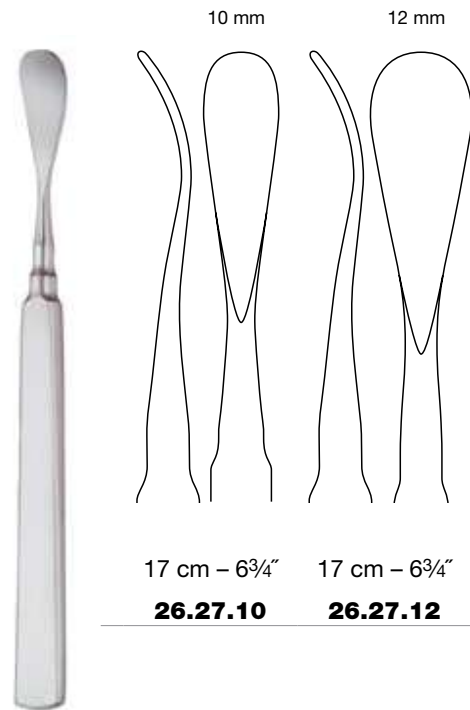
17 cm – 6¾"

**26.24.05**

17 cm – 6¾"

**26.24.07**

**Williger**



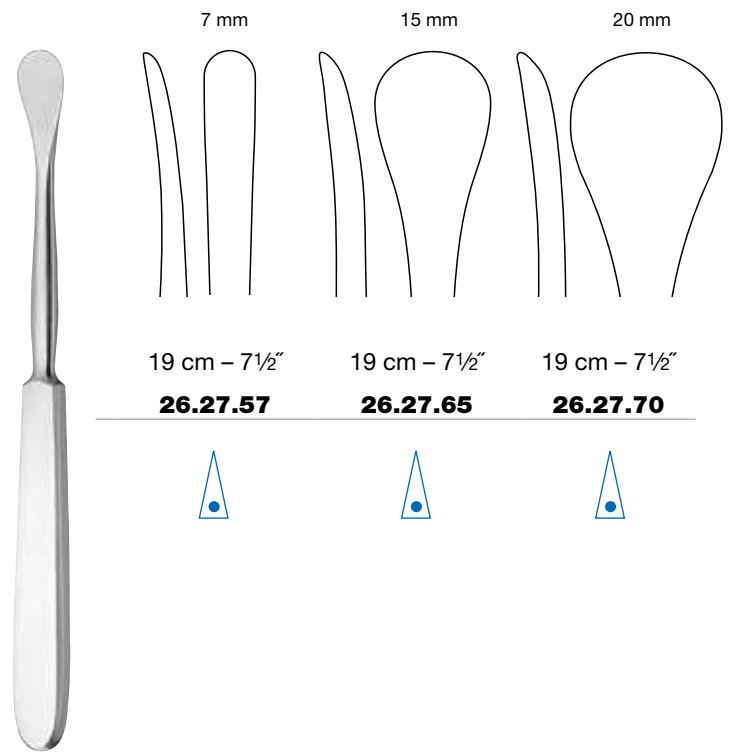
17 cm – 6¾"

**26.27.10**

17 cm – 6¾"

**26.27.12**

**Henahan**



19 cm – 7½"

**26.27.57**

19 cm – 7½"

**26.27.65**

19 cm – 7½"

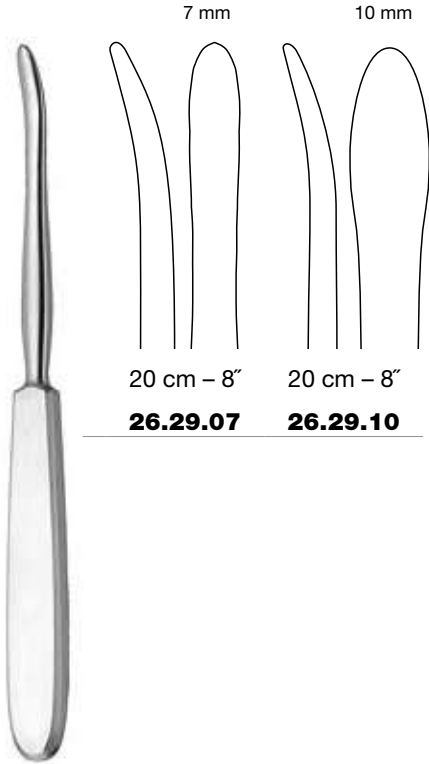
**26.27.70**

**Hoen**

halbscharf  
semi sharp  
semi cortante  
semi tranchant  
semitagliente



**Elevatori  
Elevators  
Elevadores  
Elévateurs  
Elevatori**



**26.29.07**

**26.29.10**

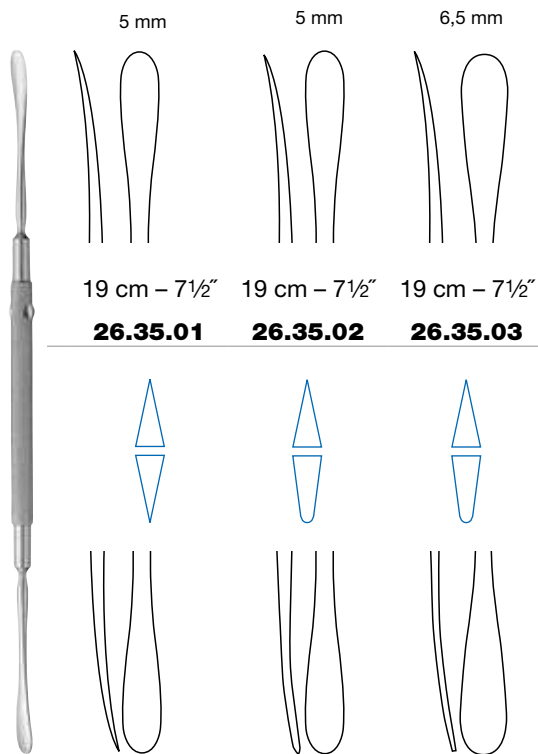
**Langenbeck**



23 cm - 9"

**26.29.60**

**Langenbeck**



19 cm - 7 1/2"

19 cm - 7 1/2"

19 cm - 7 1/2"

**26.35.01**

**26.35.02**

**26.35.03**

**Freer**

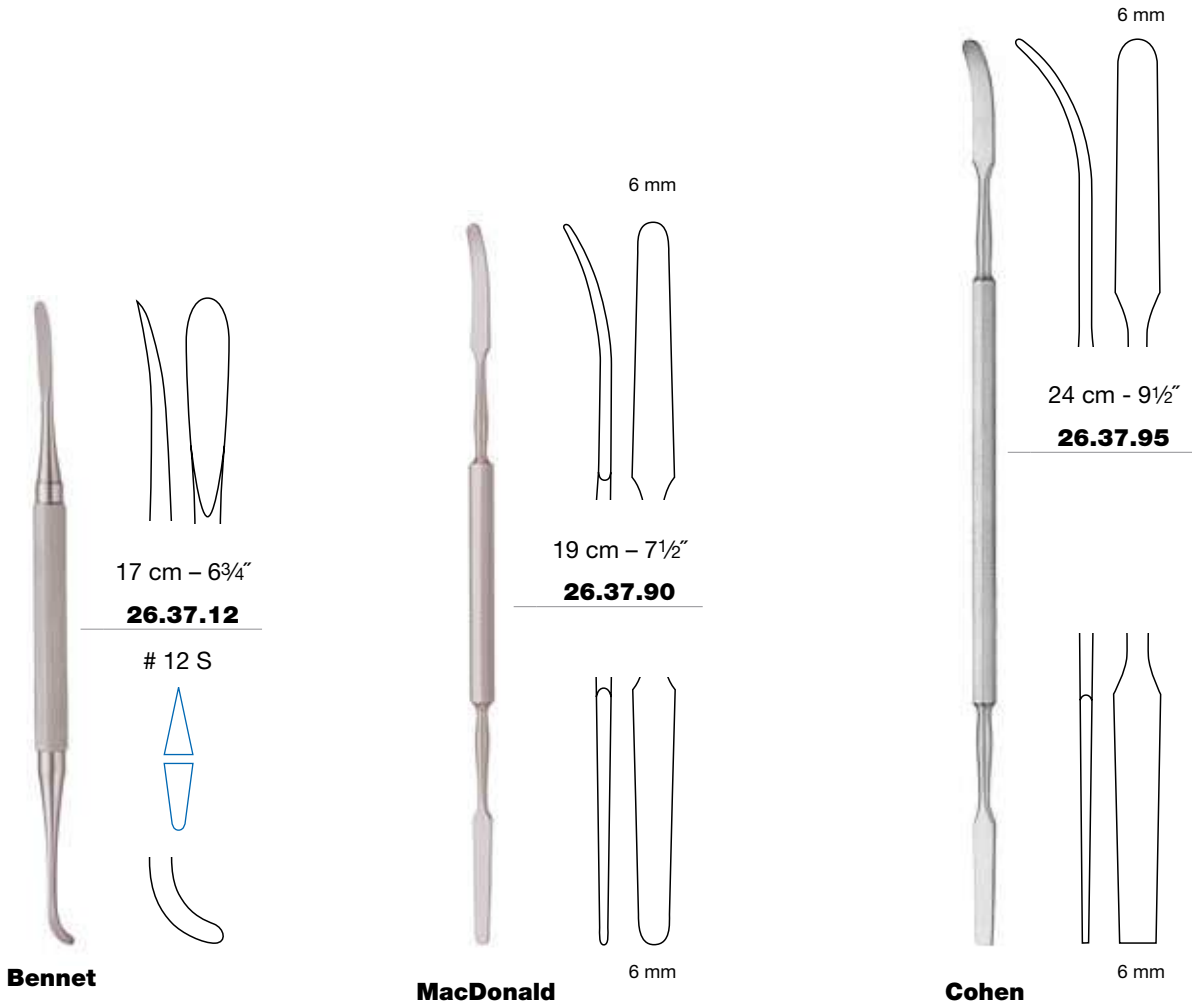


scharf  
sharp  
agudo  
pointu  
acuto



stumpf  
blunt  
romo  
mousse  
smusso



*seemed as relaxed and cheerful as ever. "Gentlemen. Gentlemen,*



**Bennet**

**MacDonald**

**Cohen**

	scharf sharp agudo pointu acuto		stumpf blunt romo mousse smusso
---	---	---	---

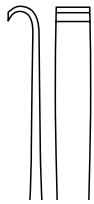
*keep cool..” said Lee in a shaky voice. Tanja: “The delay we*



**Raspatorien  
Raspatories  
Legras  
Rugines  
Periostotomi**

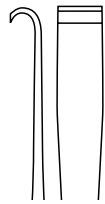


**Molt**



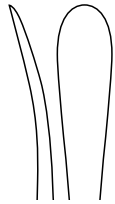
18 cm – 7 1/8"

**26.37.01**



18 cm – 7 1/8"

**26.37.02**



18 cm – 7 1/8"

**26.37.03**



18 cm – 7 1/8"

**26.37.07**



**Mead**

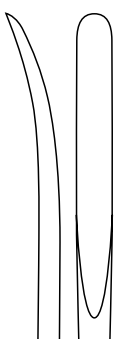


16,5 cm – 6 1/2"

**26.37.10**



**Koenig**



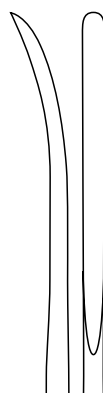
5 mm

15 cm – 6"

**26.40.06**



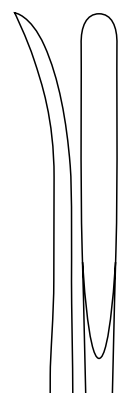
**Williger**



3 mm

16 cm – 6 1/4"

**26.42.03**



5 mm

16 cm – 6 1/4"

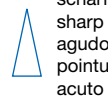
**26.42.05**



7 mm

16 cm – 6 1/4"

**26.42.07**

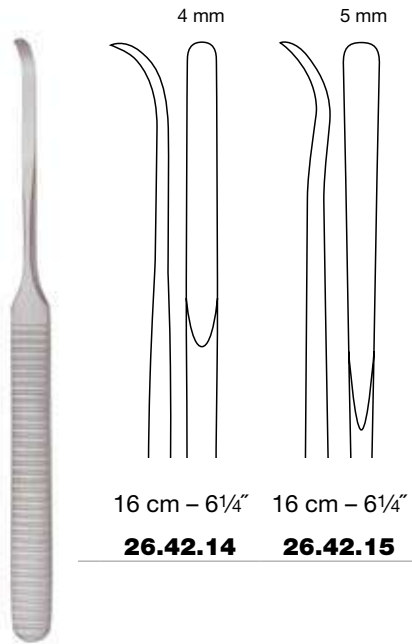


scharf  
sharp  
agudo  
pointu  
acuto



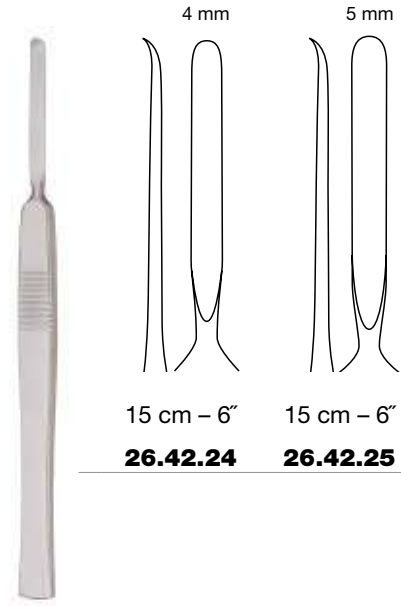
stumpf  
blunt  
romo  
mousse  
smusso





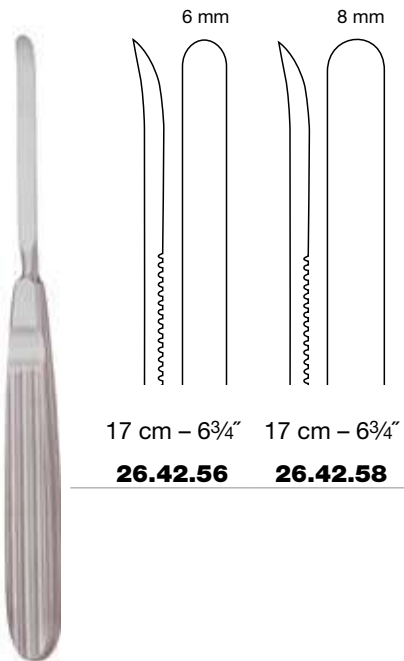
4 mm      5 mm  
 16 cm - 6 1/4"    16 cm - 6 1/4"  
**26.42.14    26.42.15**

**Kahre-Williger**

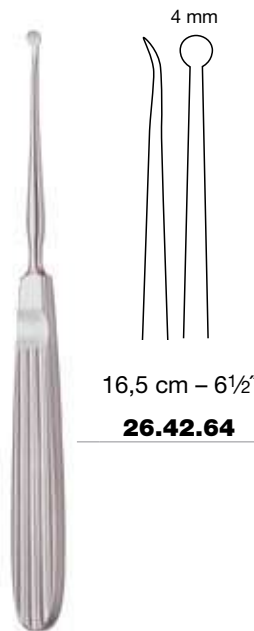


4 mm      5 mm  
 15 cm - 6"      15 cm - 6"  
**26.42.24      26.42.25**

**McKenty**



6 mm      8 mm  
 17 cm - 6 3/4"    17 cm - 6 3/4"  
**26.42.56      26.42.58**



4 mm  
 16,5 cm - 6 1/2"  
**26.42.64**

**Ward**

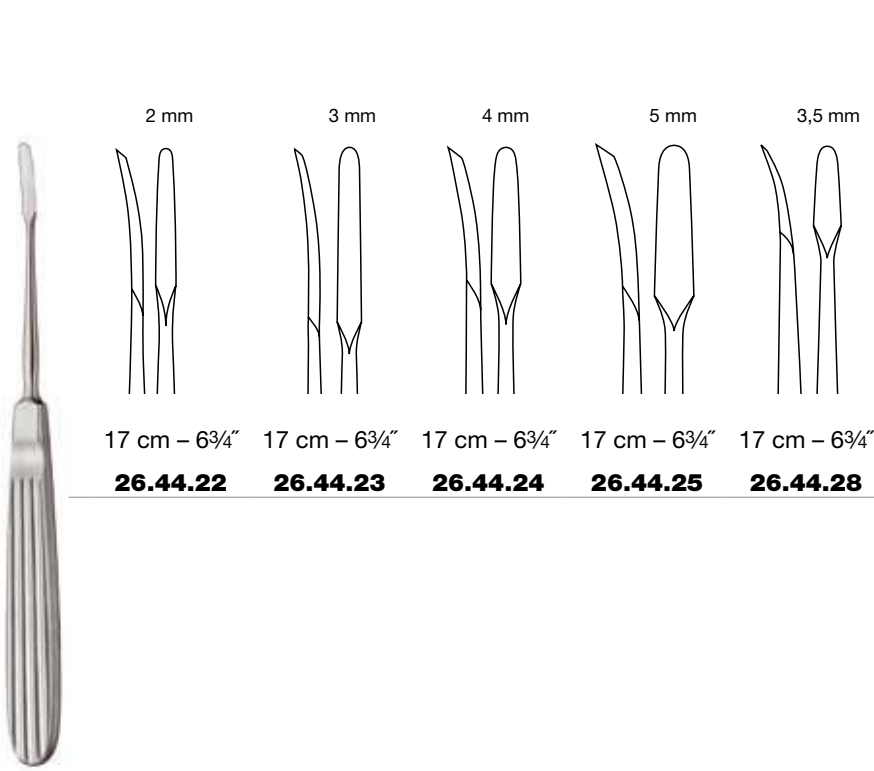


4 mm  
 16,5 cm - 6 1/2"  
**26.44.04**

**Joseph**

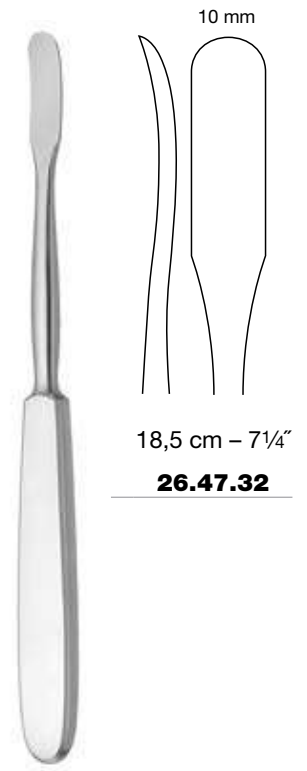


**Raspatorien  
Raspatories  
Legras  
Rugines  
Periostotomi**



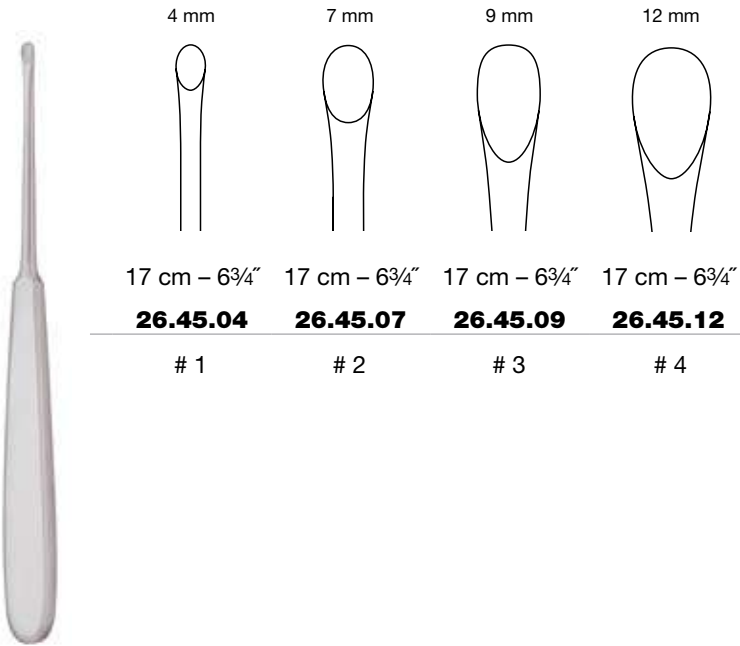
2 mm	3 mm	4 mm	5 mm	3,5 mm
17 cm – 6¾"	17 cm – 6¾"	17 cm – 6¾"	17 cm – 6¾"	17 cm – 6¾"
<b>26.44.22</b>	<b>26.44.23</b>	<b>26.44.24</b>	<b>26.44.25</b>	<b>26.44.28</b>

**Lempert**



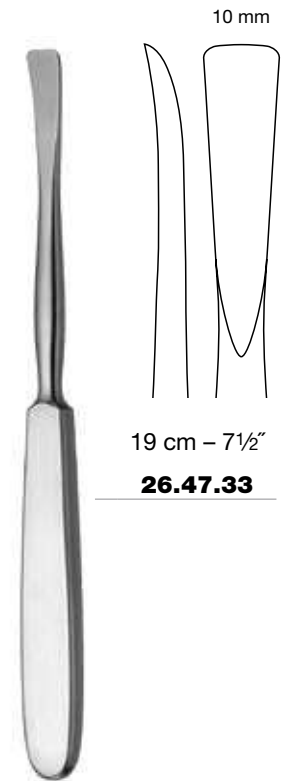
10 mm
18,5 cm – 7¼"
<b>26.47.32</b>

**Kraemer**



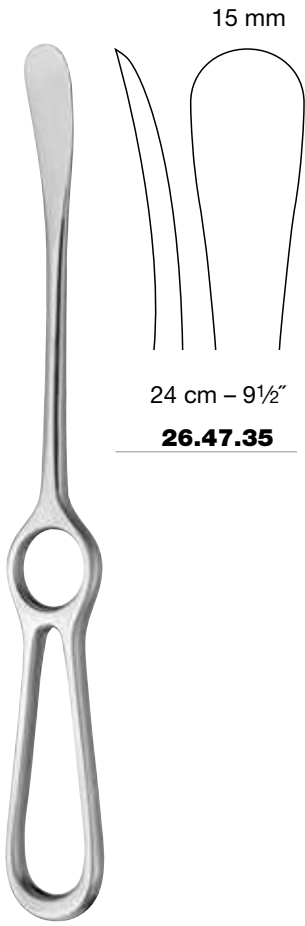
4 mm	7 mm	9 mm	12 mm
17 cm – 6¾"	17 cm – 6¾"	17 cm – 6¾"	17 cm – 6¾"
<b>26.45.04</b>	<b>26.45.07</b>	<b>26.45.09</b>	<b>26.45.12</b>
# 1	# 2	# 3	# 4

**Wiberg**



10 mm
19 cm – 7½"
<b>26.47.33</b>

**Kraemer**

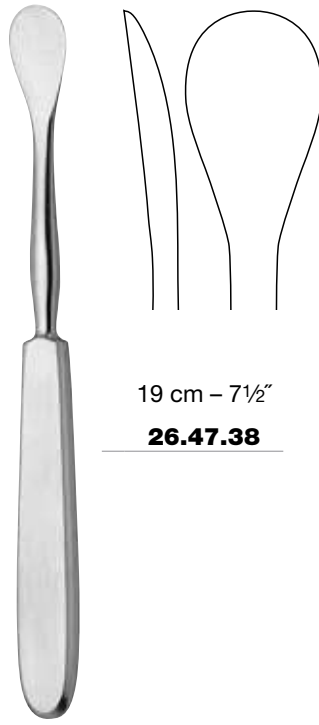


15 mm

24 cm – 9½"

**26.47.35**

**Sedillot**

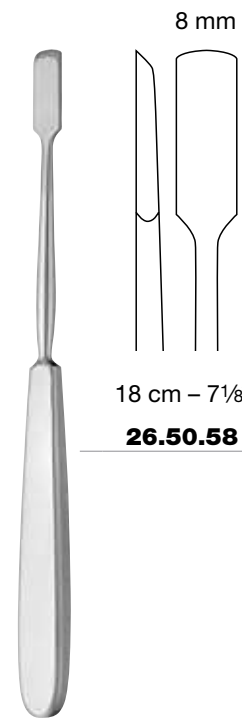


18 mm

19 cm – 7½"

**26.47.38**

**Sedillot**

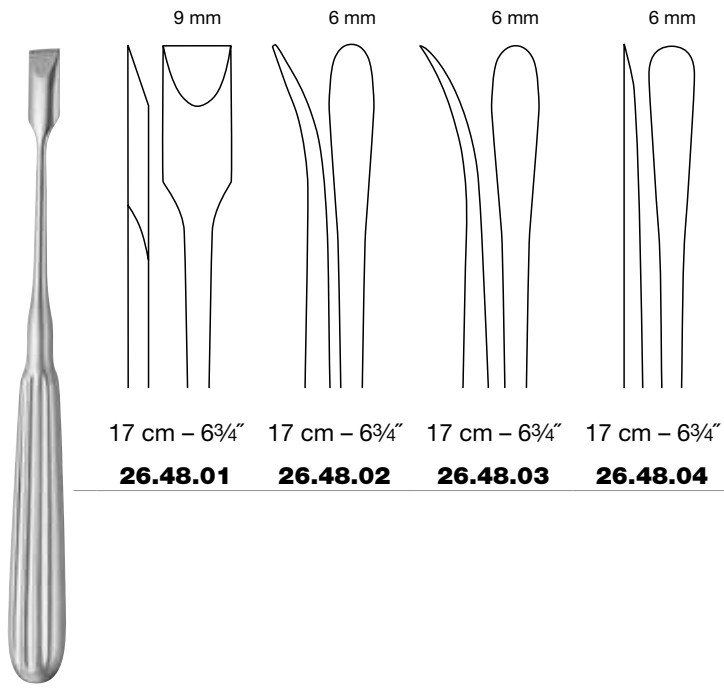


8 mm

18 cm – 7⅛"

**26.50.58**

**Olivecrona**



9 mm

6 mm

6 mm

6 mm

17 cm – 6¾"

17 cm – 6¾"

17 cm – 6¾"

17 cm – 6¾"

**26.48.01**

**26.48.02**

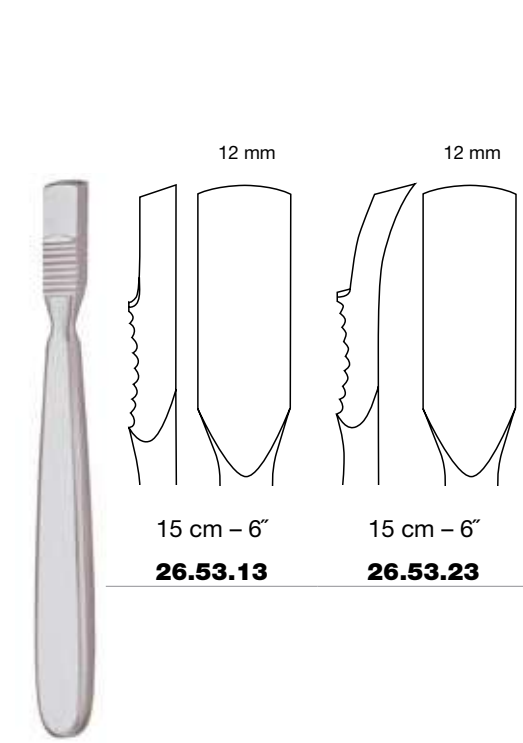
**26.48.03**

**26.48.04**

**Adson**



**Raspatorien  
Raspatories  
Legras  
Rugines  
Periostotomi**



12 mm

12 mm

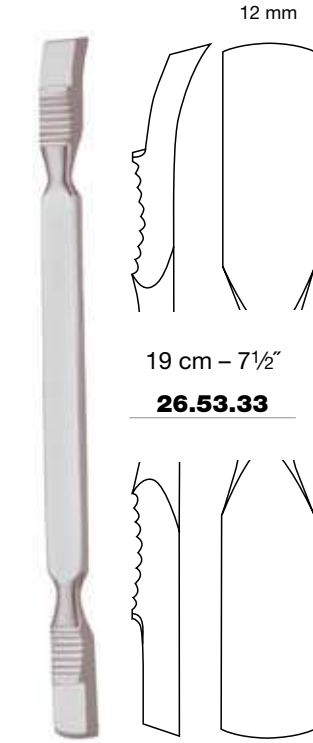
15 cm - 6"

15 cm - 6"

**26.53.13**

**26.53.23**

**Farabeuf**



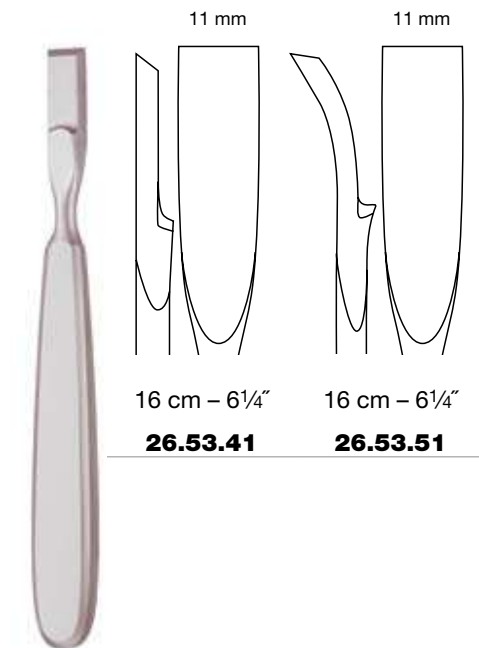
12 mm

19 cm - 7 1/2"

**26.53.33**

**Farabeuf**

12 mm



11 mm

11 mm

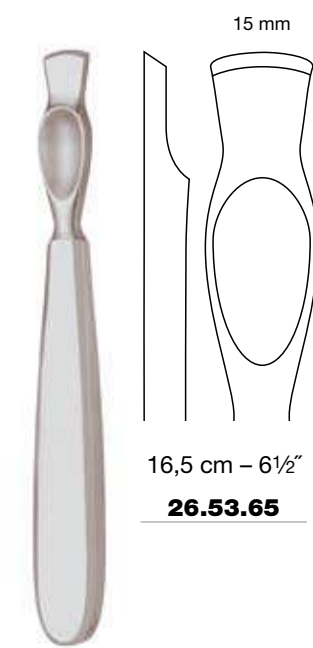
16 cm - 6 1/4"

16 cm - 6 1/4"

**26.53.41**

**26.53.51**

**Farabeuf-Collin**

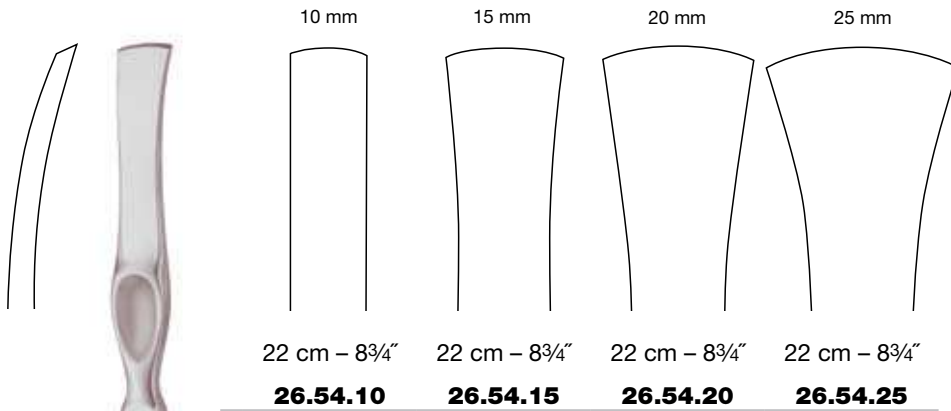


15 mm

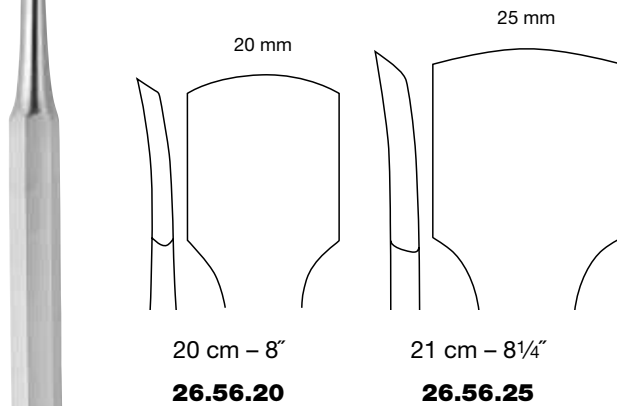
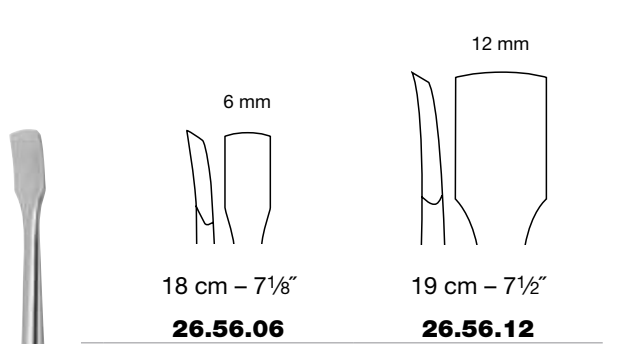
16,5 cm - 6 1/2"

**26.53.65**

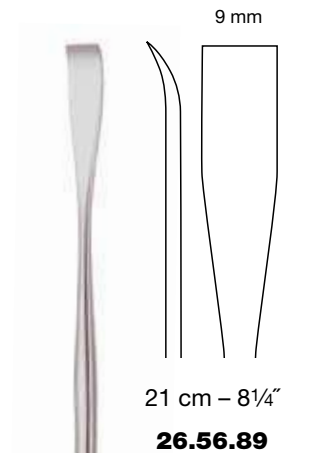
**Kirmission**



**Lambotte**



**Key**

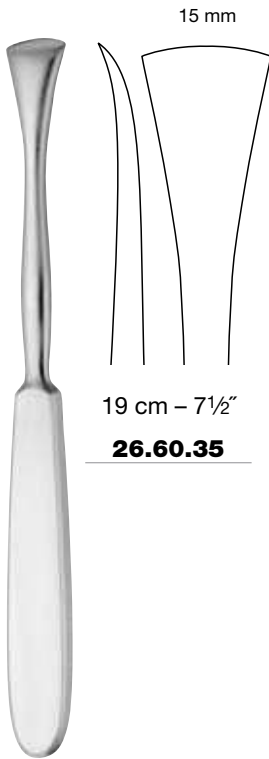


**Bristow**





**Raspatorien  
Raspatories  
Legras  
Rugines  
Periostotomi**



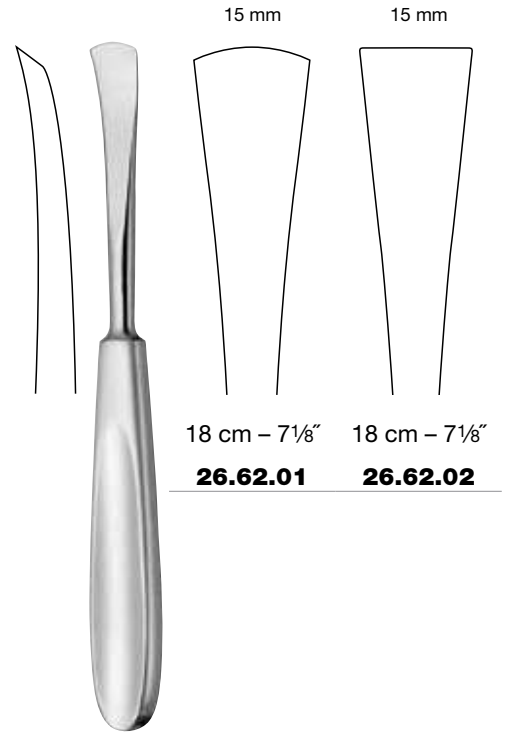
15 mm  
19 cm - 7 1/2"  
**26.60.35**

**Langenbeck**



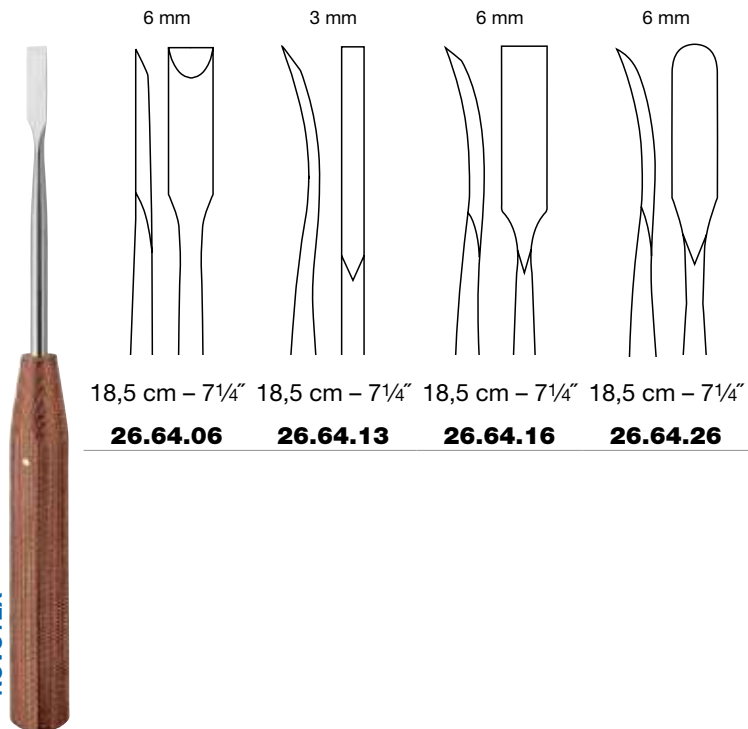
13 mm  
18 cm - 7 1/8"  
**26.60.63**

**Langenbeck**



15 mm 15 mm  
18 cm - 7 1/8" 18 cm - 7 1/8"  
**26.62.01 26.62.02**

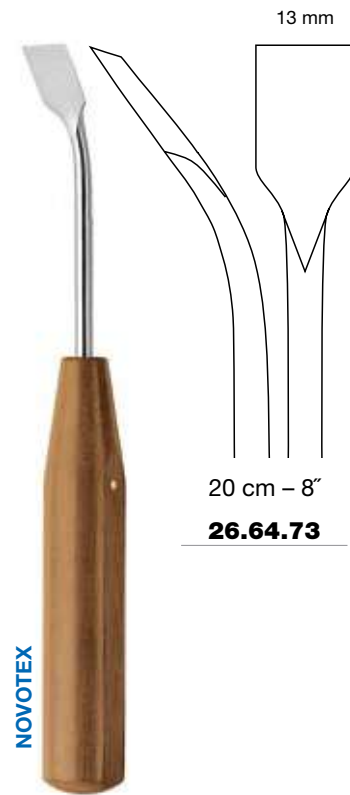
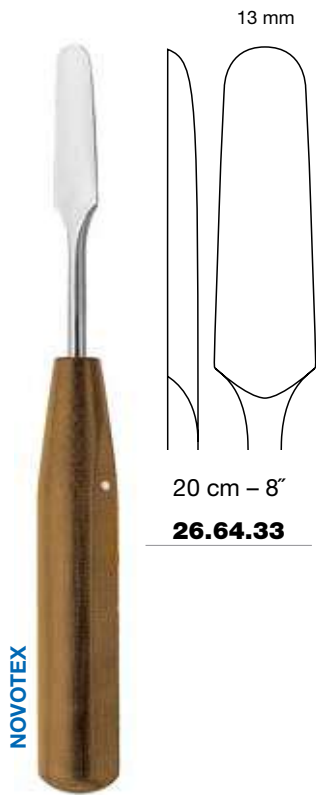
**Cushing**



6 mm 3 mm 6 mm 6 mm  
18,5 cm - 7 1/4" 18,5 cm - 7 1/4" 18,5 cm - 7 1/4" 18,5 cm - 7 1/4"  
**26.64.06 26.64.13 26.64.16 26.64.26**

**NOVOTEX**

**Cushing**



*seal off the two main shafts." Brandon: "...Yes sir" General Lee:*



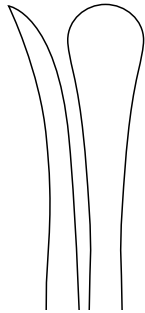
**Raspatorien  
Raspatories  
Legras  
Rugines  
Periostotomi**

NOVOTEX



**Cobb**

10 mm



25 cm – 10"

**26.65.10**



13 mm

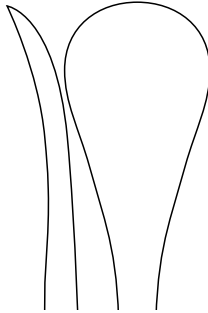


25 cm – 10"

**26.65.13**



19 mm

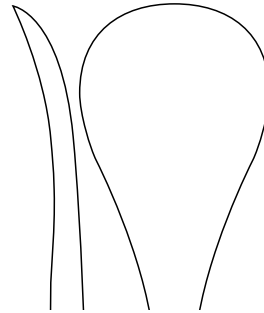


25 cm – 10"

**26.65.19**



25 mm



25 cm – 10"

**26.65.25**



4 mm



30 cm – 11¾"

**26.66.34**

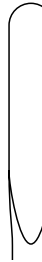
5 mm



30 cm – 11¾"

**26.66.35**

6 mm



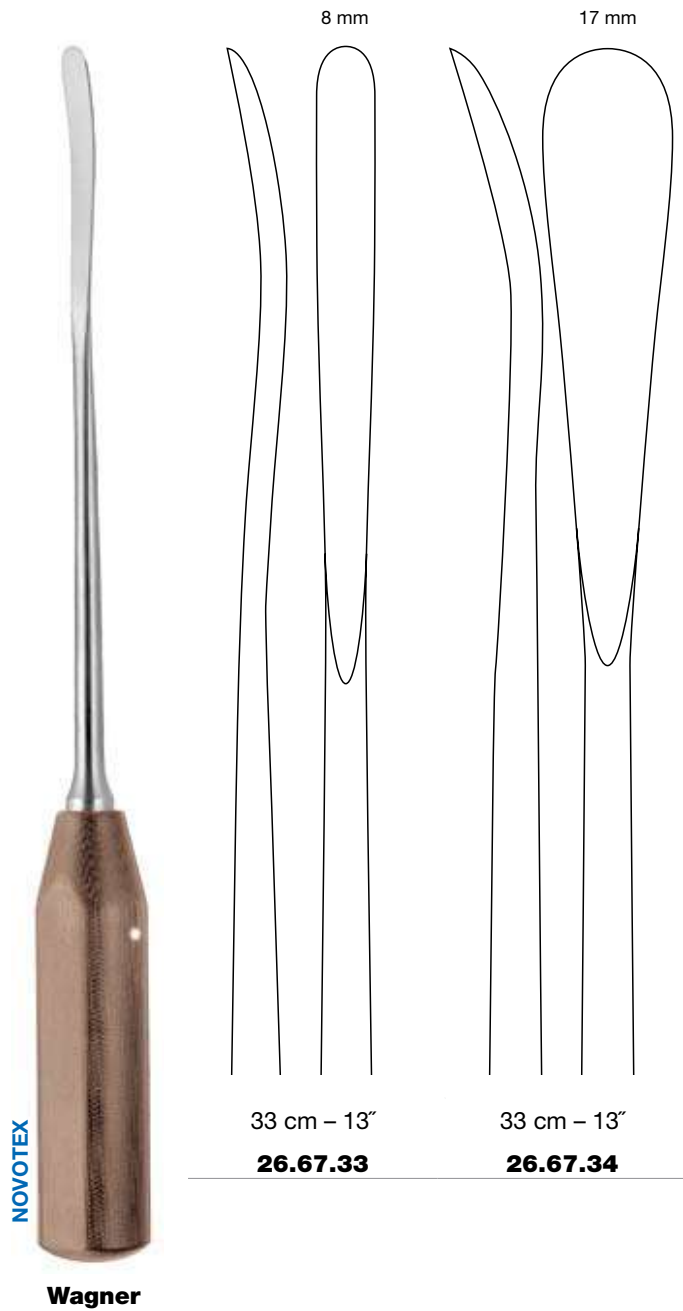
30 cm – 11¾"

**26.66.36**

NOVOTEX



halbscharf  
semi sharp  
semi cortante  
semi tranchant  
semitagliente



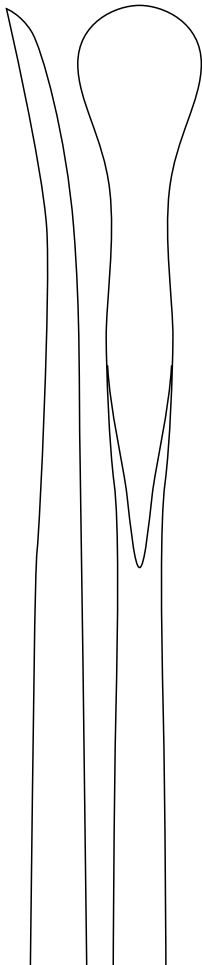


**Raspatorien  
Raspatories  
Legras  
Rugines  
Periostotomi**

NOVOTEX



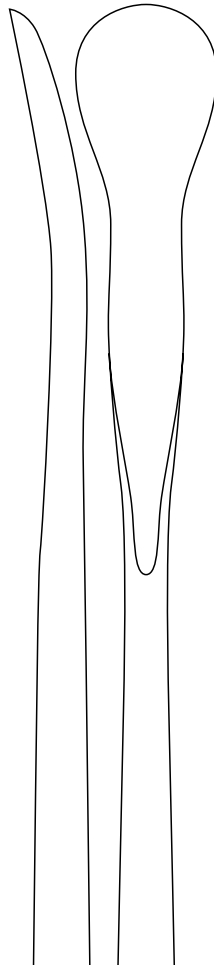
16 mm



30 cm - 11 $\frac{3}{4}$ "

**26.71.36**

18 mm



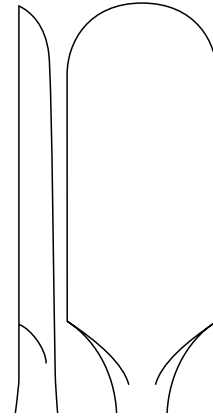
30 cm - 11 $\frac{3}{4}$ "

**26.71.38**

NOVOTEX



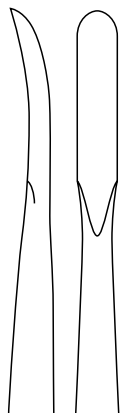
20 mm



20 cm - 8"

**26.68.20**

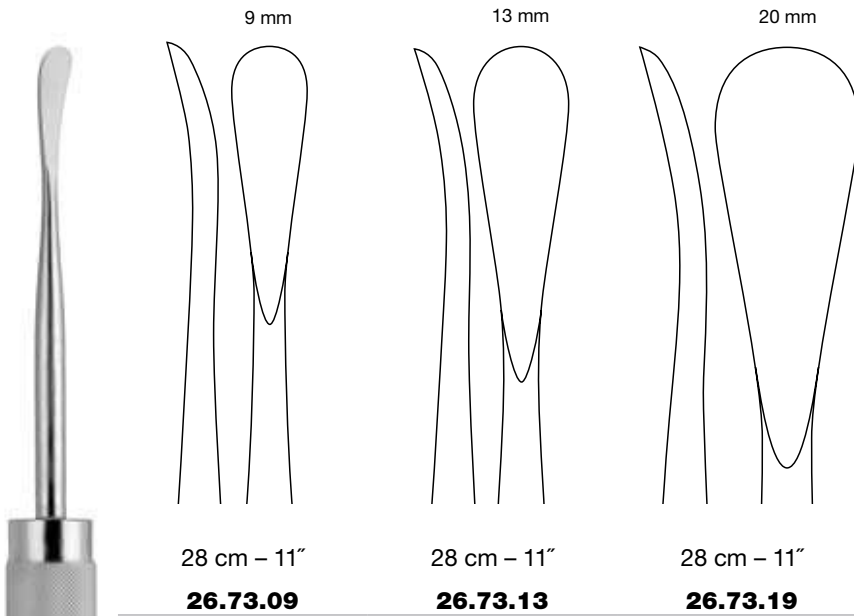
5 mm



20 cm - 8"

**26.69.20**





9 mm

13 mm

20 mm

28 cm – 11"

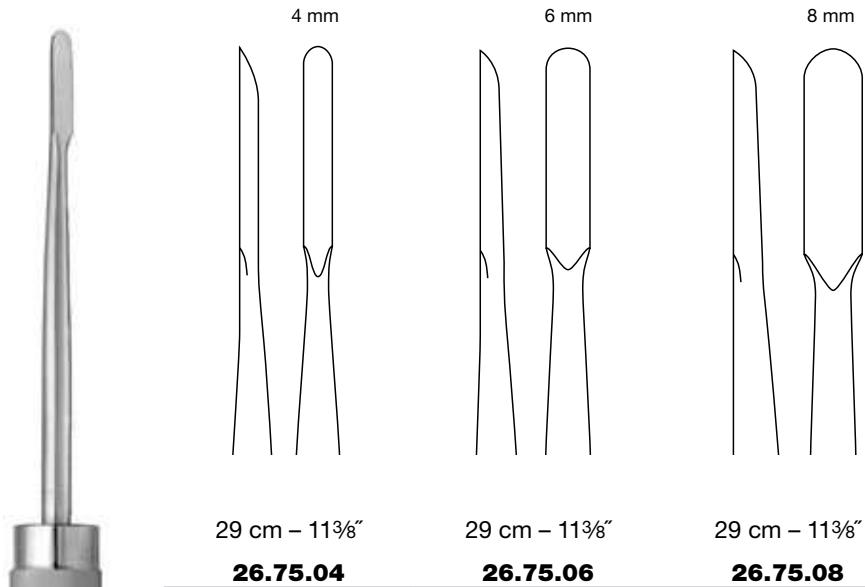
28 cm – 11"

28 cm – 11"

**26.73.09**

**26.73.13**

**26.73.19**



4 mm

6 mm

8 mm

29 cm – 11 $\frac{3}{8}$ "

29 cm – 11 $\frac{3}{8}$ "

29 cm – 11 $\frac{3}{8}$ "

**26.75.04**

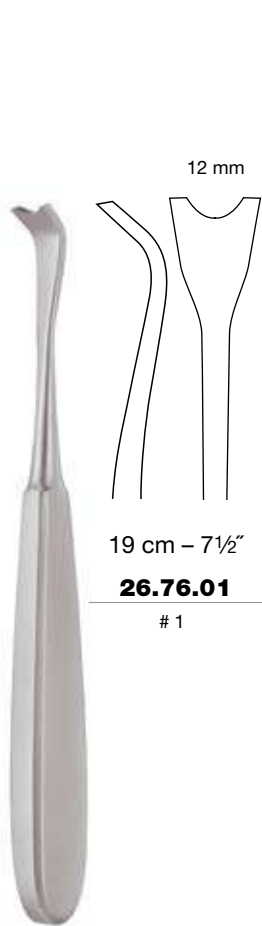
**26.75.06**

**26.75.08**

*happening outside, then at least what's going on in here." Frank:*



**Raspatorien  
Raspatories  
Legras  
Rugines  
Periostotomi**



19 cm - 7 1/2"  
**26.76.01**  
# 1

**Semb**



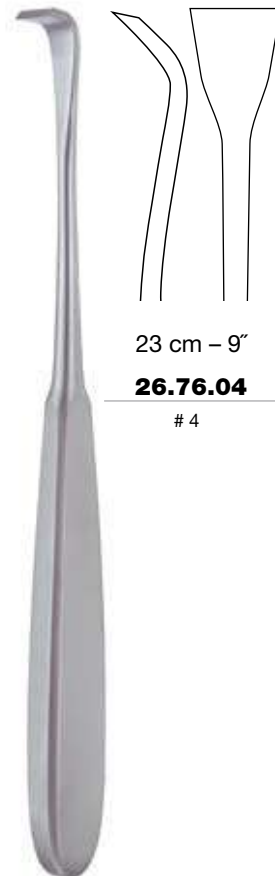
12 mm  
23 cm - 9"  
**26.76.02**  
# 2

**Semb**



23 cm - 9"  
**26.76.03**  
# 3

**Semb**



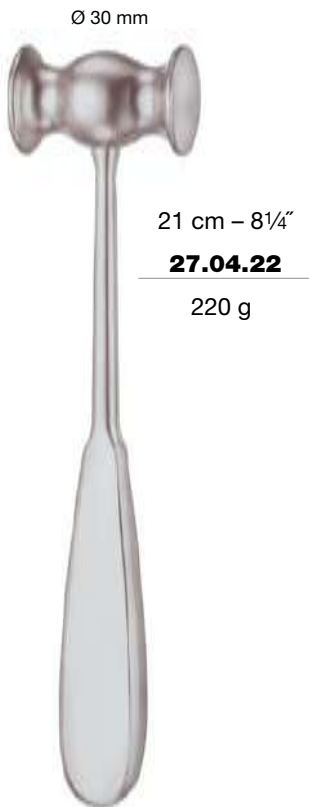
23 cm - 9"  
**26.76.04**  
# 4

**Semb**



23 cm - 9"  
**26.76.07**  
# 7

**Semb**



**Collin (Lucae)**

**Doyen**



**Hämmer  
Mallets  
Martillos  
Maillets  
Martelli**

Ø 30 mm



25 cm – 10"

**27.04.35**

350 g

bleigefüllt  
lead filled head  
relleno de plomo  
rempli de plomb  
pieno di piombo

**Williger**

Ø 25 mm



18,5 cm – 7 1/4"

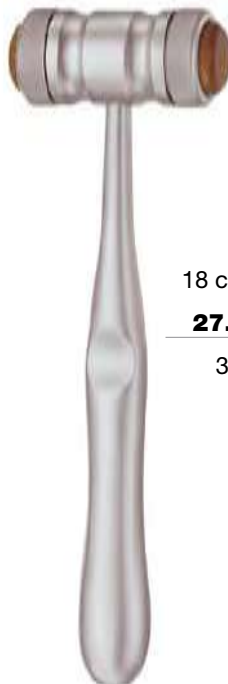
**27.06.20**

200 g

**27.06.21**

Ersatzbacken für 27.06.20, Paar  
Spare facings for 27.06.20, pair  
Frentes de repuesto para 27.06.20, par  
Joues de rechange pour 27.06.20, paire  
Guance di ricambio per 27.06.20, paio

Ø 26 mm



18 cm – 7 1/8"

**27.06.30**

300 g

**27.06.31**

Ersatzbacken für 27.06.30, Paar  
Spare facings for 27.06.30, pair  
Frentes de repuesto para 27.06.30, par  
Joues de rechange pour 27.06.30, paire  
Guance di ricambio per 27.06.30, paio

**Mead**

Ø 30 mm



18 cm – 7 1/8"

**27.08.40**

400 g

bleigefüllt  
lead filled head  
relleno de plomo  
rempli de plomb  
pieno di piombo

**Gerzog**

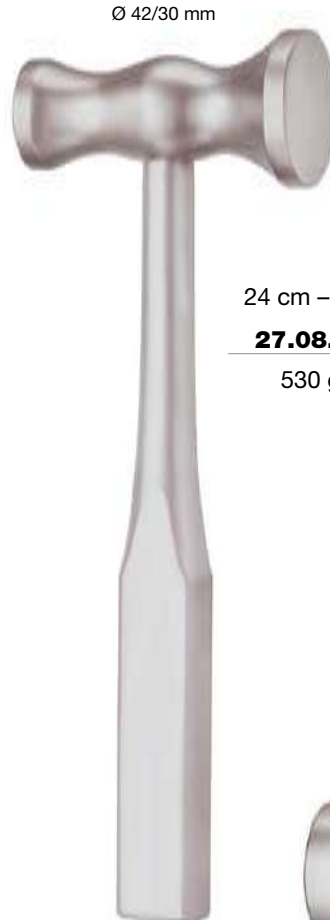


Ø 28 mm

23 cm – 9"

**27.08.45**

450 g



Ø 42/30 mm

24 cm – 9½"

**27.08.50**

530 g



Ø 40 mm

22,5 cm – 9"

**27.08.57**

540 g

**Bergmann (Hibbs)**



Ø 40 mm

19,5 cm – 7¾"

**27.08.70**

700 g

**Kirk**

*board. These ships are not designed for this. These 4000 persons*



**Hämmer  
Mallets  
Martillos  
Maillets  
Martelli**

Ø 40 mm



23 cm – 9"

**27.08.77**

770 g

**Ombredanne**

Ø 19 mm

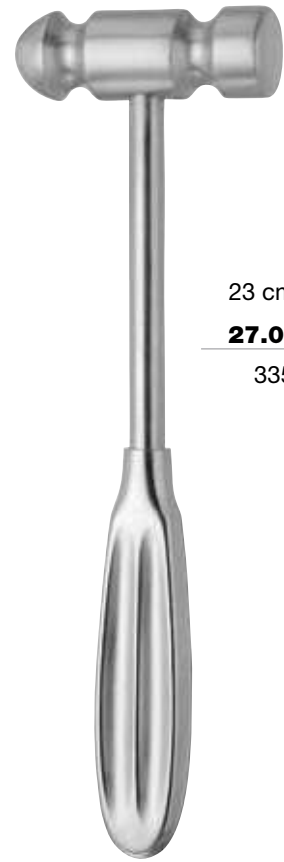


19 cm – 7½"

**27.09.19**

215 g

Ø 25 mm

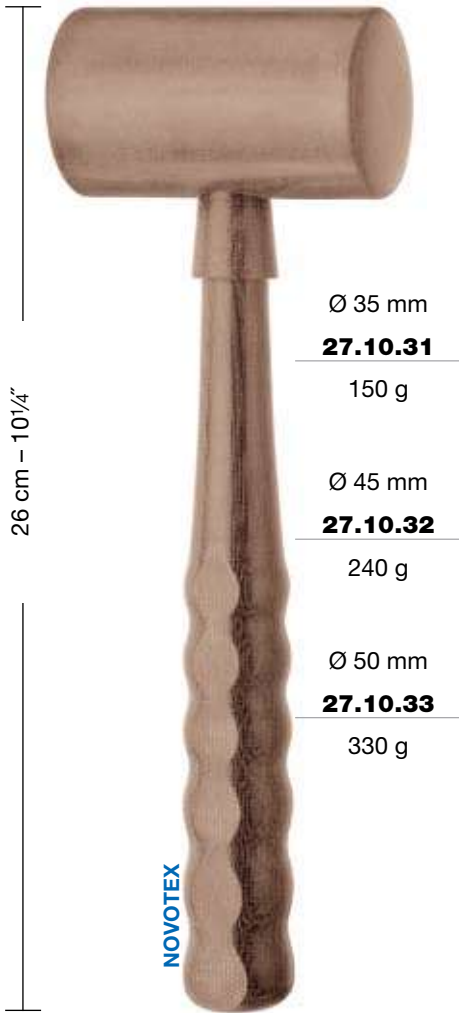


23 cm – 9"

**27.09.25**

335 g







**Hämmer  
Mallets  
Martillos  
Maillets  
Martelli**

130 g



Ø 35 mm / 230 g



**27.10.71**

Metallbacken allein, plan/convex (Paar)  
Metal facings only, plane/convex (Pair)  
Frentes de metal solas, plana/convexa (Par)  
Joues métalliques seules, plane/convexe (Paire)  
Guance d'acciaio sole, piano/convesso (Paio)

Ø 35 mm



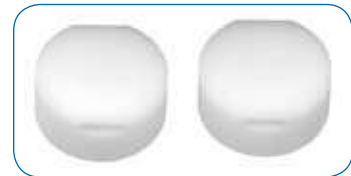
24 cm – 9½"

**27.10.70**

130 g



Ø 35 mm / 32 g



**27.10.72**

Kunststoffbacken allein, plan/convex (Paar)  
Plastic facings only, plane/convex (Pair)  
Frentes de plástico solas, plana/convexa (Par)  
Joues en matière plastique seules, plane/convexe (Paire)  
Guance di plastica, sole, piano/convesso (Paio)

komplett mit Metallbacken 27.10.71,  
Kunststoffbacken 27.10.72 und Schlüssel 27.10.73

complete with metal facings 27.10.71,  
plastic facings 27.10.72 and wrench 27.10.73

completo con frentes de metal 27.10.71,  
frentes de plástico 27.10.72 y horquilla 27.10.73

complet avec joues métalliques 27.10.71,  
joues en matière 27.10.72 et clé 27.10.73

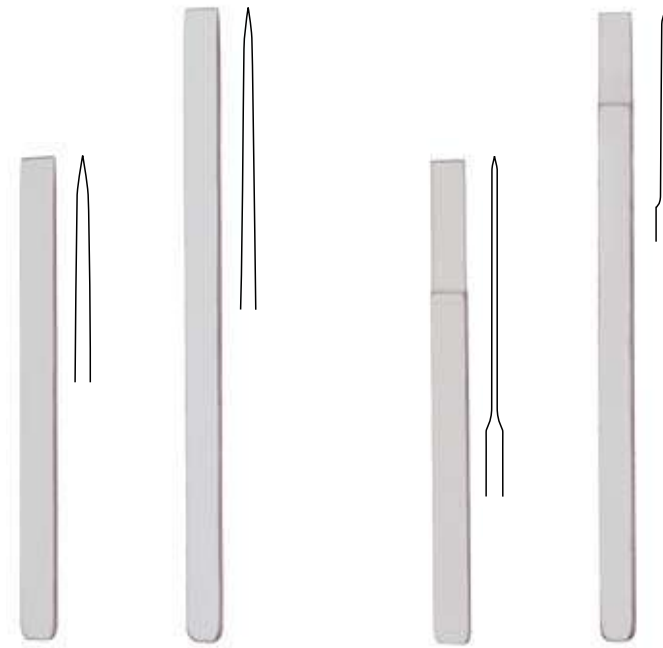
completo con guancie d'acciaio 27.10.71,  
guance di plastica 27.10.72 e chiave 27.10.73

**Wagner**




**27.10.73**

Schlüssel allein  
Wrench only  
Horquilla sola  
Clé seule  
Chiave sola



**Mini-Lambotte**

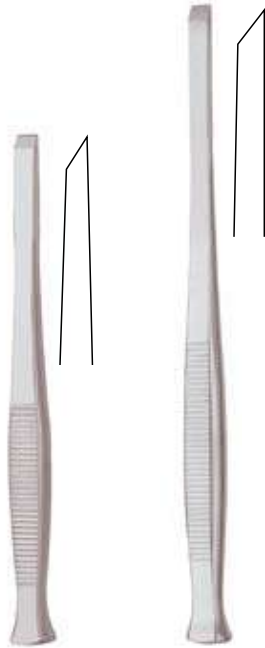
**Hardt-Delima**

	13 cm – 5 $\frac{1}{8}$ "	17 cm – 6 $\frac{3}{4}$ "	13 cm – 5 $\frac{1}{8}$ "	17 cm – 6 $\frac{3}{4}$ "
2 mm	<b>27.57.02</b>	<b>27.57.52</b>	<b>27.58.02</b>	<b>27.58.52</b>
4 mm	<b>27.57.04</b>	<b>27.57.54</b>	<b>27.58.04</b>	<b>27.58.54</b>
6 mm	<b>27.57.06</b>	<b>27.57.56</b>	<b>27.58.06</b>	<b>27.58.56</b>
8 mm	<b>27.57.08</b>	<b>27.57.58</b>	<b>27.58.08</b>	<b>27.58.58</b>
10 mm	<b>27.57.10</b>	<b>27.57.60</b>	<b>27.58.10</b>	<b>27.58.60</b>
12 mm	<b>27.57.12</b>	<b>27.57.62</b>	<b>27.58.12</b>	<b>27.58.62</b>
15 mm	<b>27.57.15</b>	<b>27.57.65</b>	<b>27.58.15</b>	<b>27.58.65</b>
	<b>27.57.90</b>	<b>27.57.95</b>	<b>27.58.90</b>	<b>27.58.95</b>

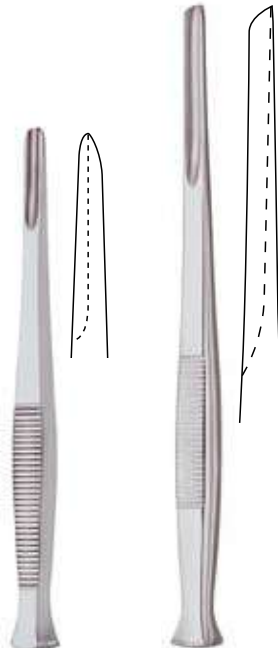
Satz komplett in Rolltasche  
Set complete in canvas roll  
Juego completo en bolsa de lona  
Série complète en housse de toile  
Serie completa in custodia di tela



**Flach- und Hohlmeißel  
Chisels and Gouges  
Cinceles y gubias  
Ciseaux burins et gouges  
Scalpelli e sgorbie**

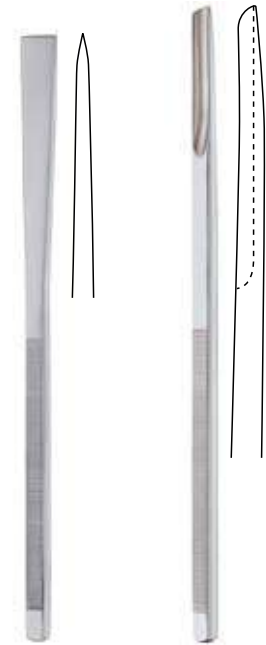


**Partsch**



**Partsch**

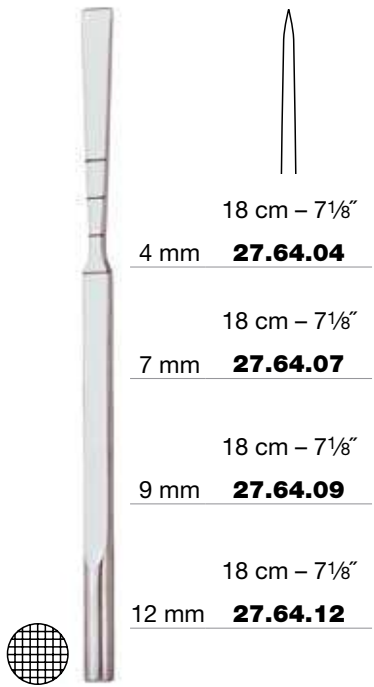
	14 cm – 5½"	17 cm – 6¾"	14 cm – 5½"	17 cm – 6¾"
2 mm	<b>27.61.02</b>	<b>27.61.12</b>	<b>27.61.62</b>	<b>27.61.72</b>
3 mm	<b>27.61.03</b>	<b>27.61.13</b>	<b>27.61.63</b>	<b>27.61.73</b>
4 mm	<b>27.61.04</b>	<b>27.61.14</b>	<b>27.61.64</b>	<b>27.61.74</b>
6 mm	<b>27.61.06</b>	<b>27.61.16</b>	<b>27.61.66</b>	<b>27.61.76</b>
8 mm	<b>27.61.08</b>	<b>27.61.18</b>	<b>27.61.68</b>	<b>27.61.78</b>



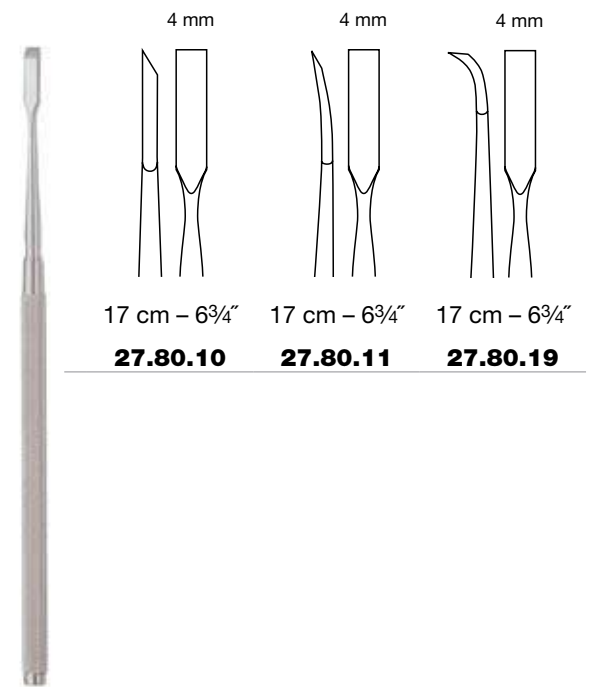
**Sheehan**

	16 cm – 6¼"	16 cm – 6¼"
2 mm	<b>27.62.02</b>	<b>27.62.62</b>
3 mm		<b>27.62.63</b>
4 mm	<b>27.62.04</b>	<b>27.62.64</b>
6 mm	<b>27.62.06</b>	<b>27.62.66</b>
8 mm	<b>27.62.08</b>	
10 mm	<b>27.62.10</b>	
12 mm	<b>27.62.12</b>	
15 mm	<b>27.62.15</b>	
18 mm	<b>27.62.18</b>	
20 mm	<b>27.62.20</b>	

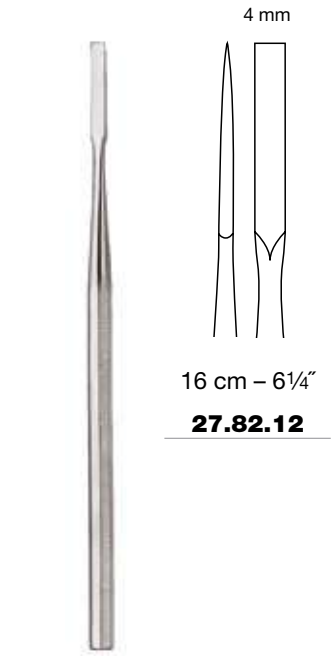
**Flach- und Hohlmeißel**  
**Chisels and Gouges**  
**Cinceles y gubias**  
**Ciseaux burins et gouges**  
**ScalPELLi e sgorbie**



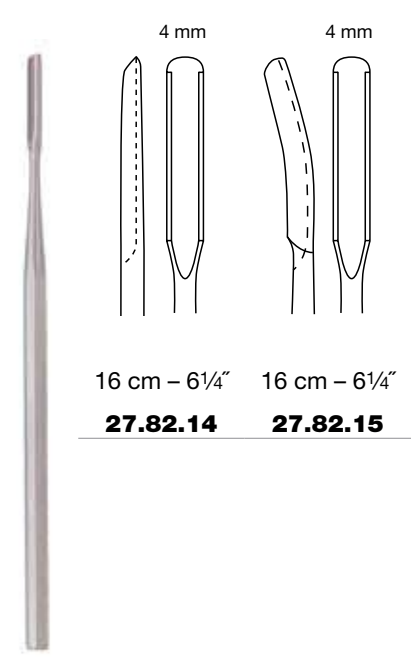
**Cottle-Medicon**



**Freer**



**West**



**West**

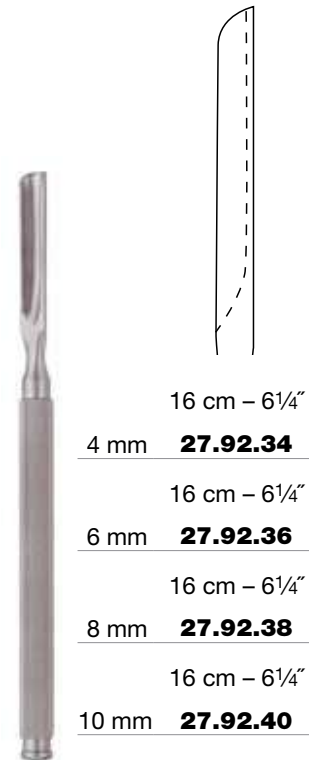
*General Lee: "... The quarters will be divided, draw up a clear*



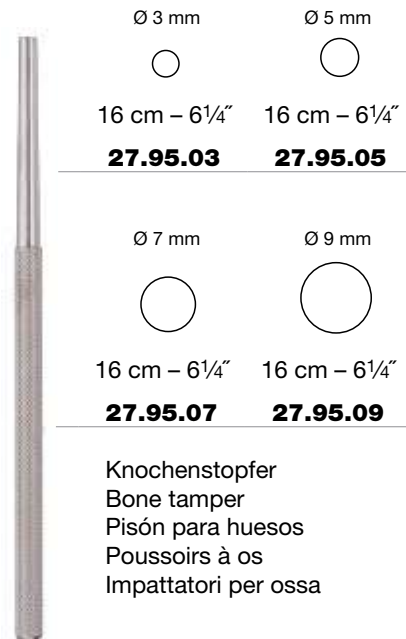
**Flach- und Hohlmeißel**  
**Chisels and Gouges**  
**Cinceles y gubias**  
**Ciseaux burins et gouges**  
**ScalPELLi e sgorbie**



**Brünings**

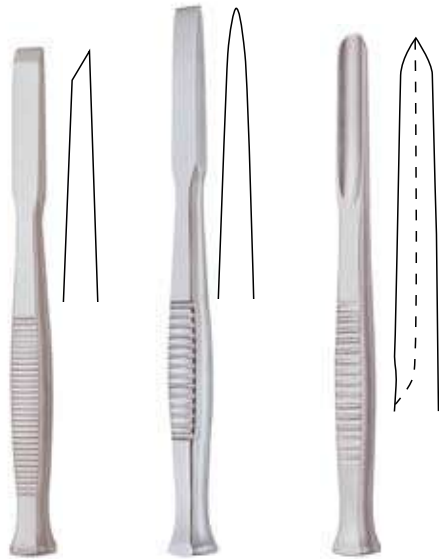


**Brünings**

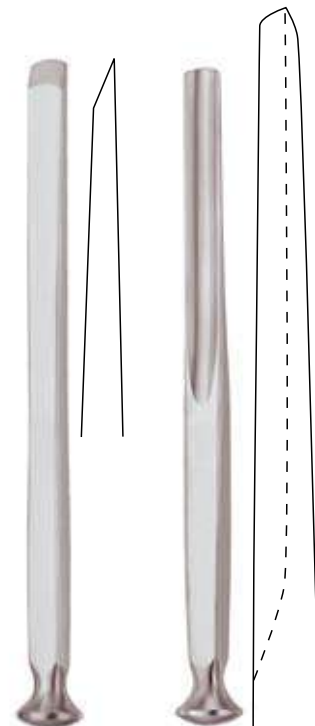


**Passow**





	14 cm – 5½"	14 cm – 5½"	14 cm – 5½"
3 mm		<b>28.05.03</b>	<b>28.06.03</b>
4 mm	<b>28.04.04</b>	<b>28.05.04</b>	<b>28.06.04</b>
5 mm		<b>28.05.05</b>	<b>28.06.05</b>
6 mm	<b>28.04.06</b>	<b>28.05.06</b>	<b>28.06.06</b>
8 mm	<b>28.04.08</b>	<b>28.05.08</b>	<b>28.06.08</b>
10 mm	<b>28.04.10</b>	<b>28.05.10</b>	<b>28.06.10</b>
12 mm	<b>28.04.12</b>	<b>28.05.12</b>	<b>28.06.12</b>

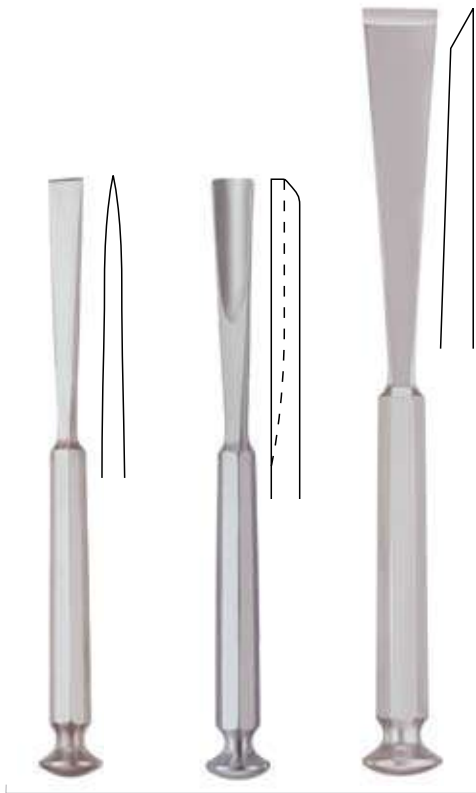


**Alexander**

	18 cm – 7⅛"	18 cm – 7⅛"
4 mm	<b>28.26.04</b>	<b>28.28.04</b>
6 mm	<b>28.26.06</b>	<b>28.28.06</b>
8 mm	<b>28.26.08</b>	<b>28.28.08</b>
10 mm	<b>28.26.10</b>	<b>28.28.10</b>
12 mm	<b>28.26.12</b>	<b>28.28.12</b>
14 mm	<b>28.26.14</b>	<b>28.28.14</b>



**Flach- und Hohlmeißel**  
**Chisels and Gouges**  
**Cinceles y gubias**  
**Ciseaux burins et gouges**  
**ScalPELLI e sgorbie**



**Stille**

	16 cm – 6¼"	16 cm – 6¼"	20 cm – 8"
4 mm	<b>28.41.04</b>		
6 mm	<b>28.41.06</b>	<b>28.42.06</b>	
8 mm	<b>28.41.08</b>	<b>28.42.08</b>	
10 mm	<b>28.41.10</b>	<b>28.42.10</b>	<b>28.43.10</b>
12 mm	<b>28.41.12</b>	<b>28.42.12</b>	
15 mm	<b>28.41.15</b>	<b>28.42.15</b>	<b>28.43.15</b>
20 mm			<b>28.43.20</b>
25 mm			<b>28.43.25</b>



**Stille**

	20 cm – 8"	20 cm – 8"	20 cm – 8"
4 mm	<b>28.44.04</b>		
6 mm	<b>28.44.06</b>		
8 mm	<b>28.44.08</b>		<b>28.45.08</b>
10 mm	<b>28.44.10</b>	<b>28.44.60</b>	<b>28.45.10</b>
12 mm	<b>28.44.12</b>		<b>28.45.12</b>
15 mm	<b>28.44.15</b>	<b>28.44.65</b>	<b>28.45.15</b>
20 mm	<b>28.44.20</b>	<b>28.44.70</b>	<b>28.45.20</b>
25 mm	<b>28.44.25</b>	<b>28.44.75</b>	<b>28.45.25</b>

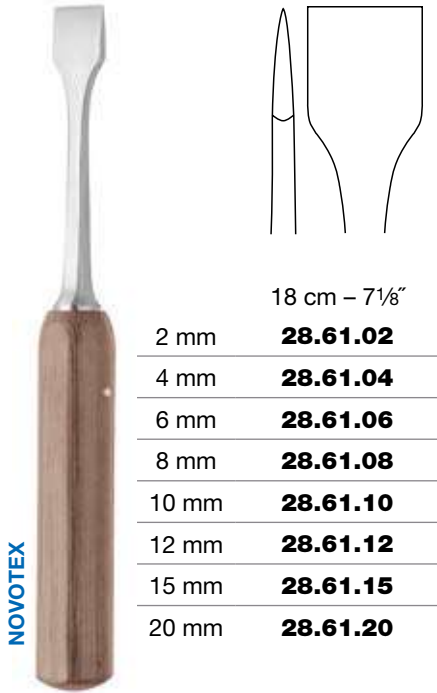


**Hibbs**

	24 cm – 9½"	24 cm – 9½"	24 cm – 9½"	24 cm – 9½"	24 cm – 9½"
6 mm	<b>28.50.06</b>	<b>28.51.06</b>	<b>28.51.56</b>	<b>28.52.06</b>	<b>28.52.56</b>
12 mm	<b>28.50.12</b>	<b>28.51.12</b>	<b>28.51.62</b>	<b>28.52.12</b>	<b>28.52.62</b>
20 mm	<b>28.50.20</b>	<b>28.51.20</b>	<b>28.51.70</b>	<b>28.52.20</b>	<b>28.52.70</b>
25 mm	<b>28.50.25</b>	<b>28.51.25</b>	<b>28.51.75</b>	<b>28.52.25</b>	<b>28.52.75</b>
30 mm	<b>28.50.30</b>	<b>28.51.30</b>	<b>28.51.80</b>	<b>28.52.30</b>	<b>28.52.80</b>
40 mm	<b>28.50.40</b>	<b>28.51.40</b>	<b>28.51.90</b>	<b>28.52.40</b>	<b>28.52.90</b>



**Flach- und Hohlmeißel  
Chisels and Gouges  
Cinceles y gubias  
Ciseaux burins et gouges  
Scalpelli e sgorbie**

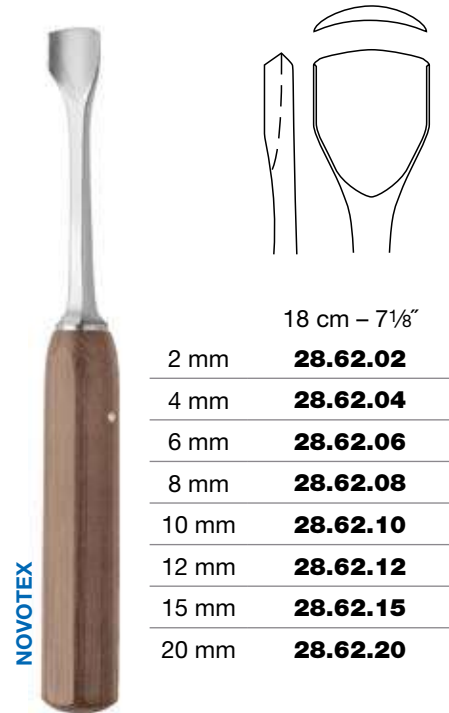


NOVOTEX

18 cm – 7 $\frac{1}{8}$ "

2 mm	<b>28.61.02</b>
4 mm	<b>28.61.04</b>
6 mm	<b>28.61.06</b>
8 mm	<b>28.61.08</b>
10 mm	<b>28.61.10</b>
12 mm	<b>28.61.12</b>
15 mm	<b>28.61.15</b>
20 mm	<b>28.61.20</b>

**Mini-Lexer**

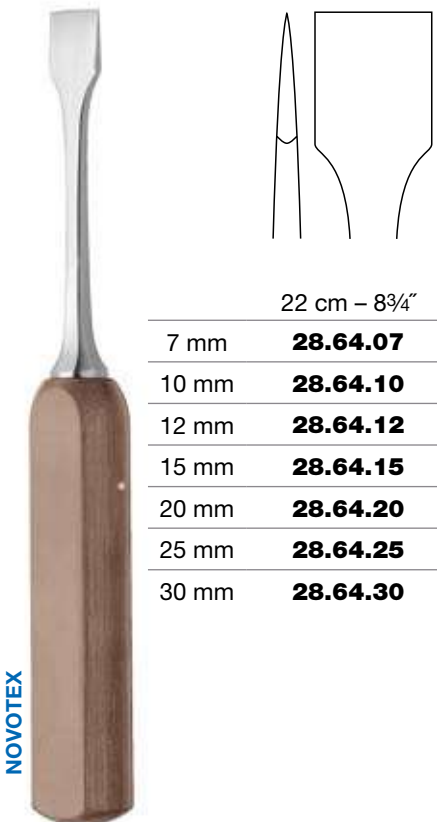


NOVOTEX

18 cm – 7 $\frac{1}{8}$ "

2 mm	<b>28.62.02</b>
4 mm	<b>28.62.04</b>
6 mm	<b>28.62.06</b>
8 mm	<b>28.62.08</b>
10 mm	<b>28.62.10</b>
12 mm	<b>28.62.12</b>
15 mm	<b>28.62.15</b>
20 mm	<b>28.62.20</b>

**Mini-Lexer**

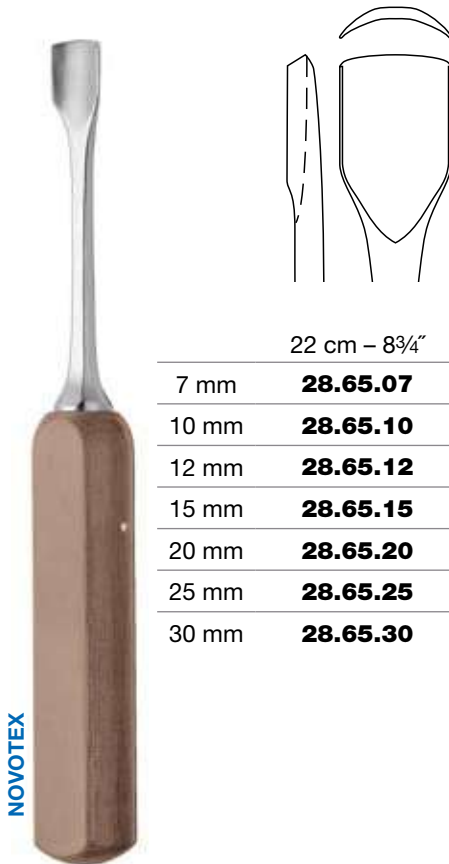


NOVOTEX

22 cm – 8 $\frac{3}{4}$ "

7 mm	<b>28.64.07</b>
10 mm	<b>28.64.10</b>
12 mm	<b>28.64.12</b>
15 mm	<b>28.64.15</b>
20 mm	<b>28.64.20</b>
25 mm	<b>28.64.25</b>
30 mm	<b>28.64.30</b>

**Lexer**

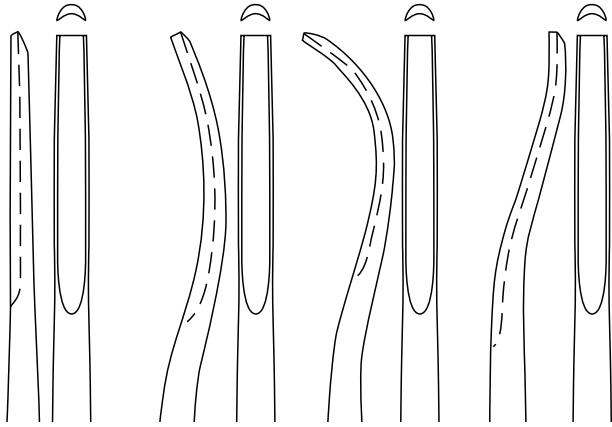


NOVOTEX

22 cm – 8 $\frac{3}{4}$ "

7 mm	<b>28.65.07</b>
10 mm	<b>28.65.10</b>
12 mm	<b>28.65.12</b>
15 mm	<b>28.65.15</b>
20 mm	<b>28.65.20</b>
25 mm	<b>28.65.25</b>
30 mm	<b>28.65.30</b>

**Lexer**

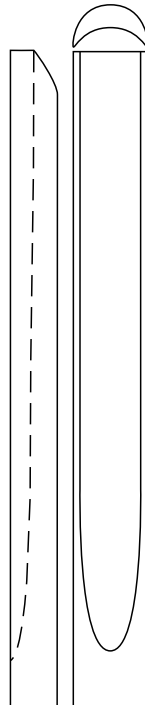


28 cm – 11"	28 cm – 11"	28 cm – 11"	28 cm – 11"
<b>28.65.91</b>	<b>28.65.92</b>	<b>28.65.93</b>	<b>28.65.95</b>

NOVOTEX



**Cobb**

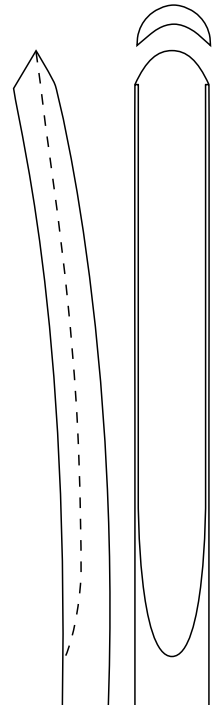


NOVOTEX



**Lexer**

	25 cm – 10"
5 mm	<b>28.65.55</b>
10 mm	<b>28.65.60</b>
15 mm	<b>28.65.65</b>



NOVOTEX



**Lexer**

	25 cm – 10"
5 mm	<b>28.65.75</b>
10 mm	<b>28.65.80</b>
15 mm	<b>28.65.85</b>

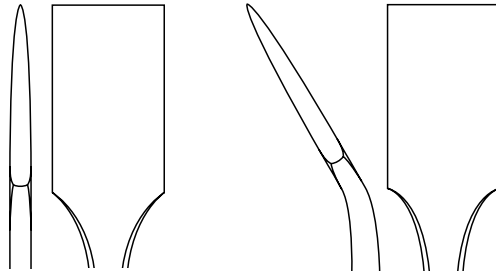


**Flachmeißel  
Chisels  
Cinceles  
Ciseaux burins  
Scalpelli**



NOVOTEX

**Dahmen**



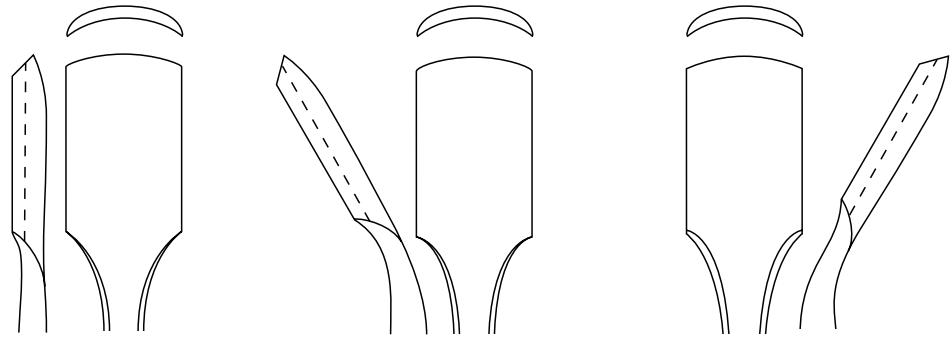
	30 cm – 11 <sup>3</sup> / <sub>4</sub> "	30 cm – 11 <sup>3</sup> / <sub>4</sub> "
4 mm	<b>28.66.04</b>	<b>28.66.34</b>
5 mm	<b>28.66.05</b>	<b>28.66.35</b>
6 mm	<b>28.66.06</b>	<b>28.66.36</b>
8 mm	<b>28.66.08</b>	<b>28.66.38</b>
10 mm	<b>28.66.10</b>	<b>28.66.40</b>
12 mm	<b>28.66.12</b>	<b>28.66.42</b>
15 mm	<b>28.66.15</b>	<b>28.66.45</b>
20 mm	<b>28.66.20</b>	<b>28.66.50</b>
22 mm	<b>28.66.22</b>	<b>28.66.52</b>
25 mm	<b>28.66.25</b>	<b>28.66.55</b>





NOVOTEX

Dahmen



	30 cm – 11 <sup>3</sup> / <sub>4</sub> "	30 cm – 11 <sup>3</sup> / <sub>4</sub> "	30 cm – 11 <sup>3</sup> / <sub>4</sub> "
4 mm	<b>28.67.04</b>	<b>28.67.34</b>	<b>28.67.64</b>
5 mm	<b>28.67.05</b>	<b>28.67.35</b>	<b>28.67.65</b>
6 mm	<b>28.67.06</b>	<b>28.67.36</b>	<b>28.67.66</b>
8 mm	<b>28.67.08</b>	<b>28.67.38</b>	<b>28.67.68</b>
10 mm	<b>28.67.10</b>	<b>28.67.40</b>	<b>28.67.70</b>
12 mm	<b>28.67.12</b>	<b>28.67.42</b>	<b>28.67.72</b>
15 mm	<b>28.67.15</b>	<b>28.67.45</b>	<b>28.67.75</b>
20 mm	<b>28.67.20</b>	<b>28.67.50</b>	<b>28.67.80</b>
22 mm	<b>28.67.22</b>	<b>28.67.52</b>	<b>28.67.82</b>
25 mm	<b>28.67.25</b>	<b>28.67.55</b>	<b>28.67.85</b>



**Flach- und Hohlmeißel  
Chisels and Gouges  
Cinceles y gubias  
Ciseaux burins et gouges  
ScalPELLi e sgorbie**

NOVOTEX



18,5 cm – 7¼"

**28.53.00**



**28.53.04**

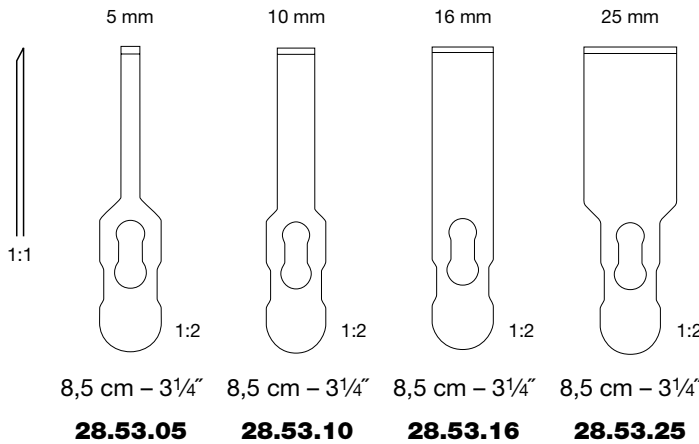
Ersatzschraube  
Spare screw  
Tornillo de repuesto  
Vis de rechange  
Vite di ricambio



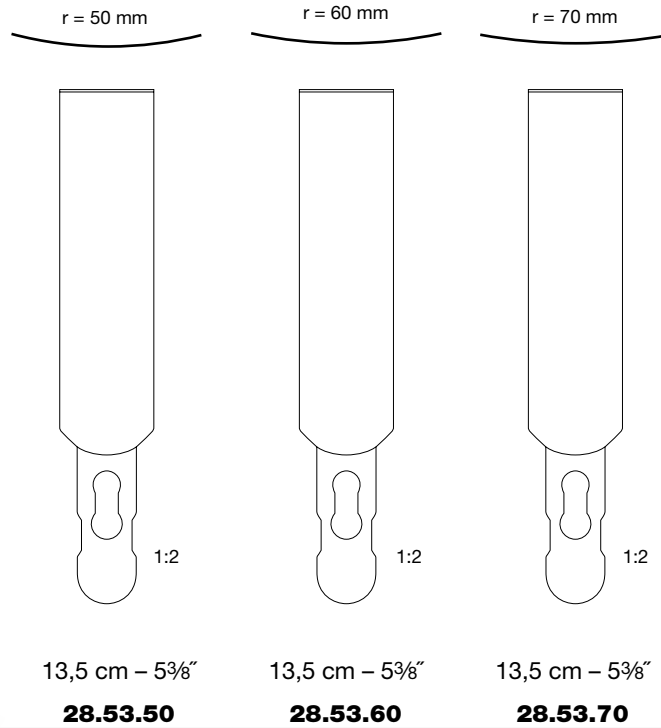
9 cm – 3½"

**28.53.02**

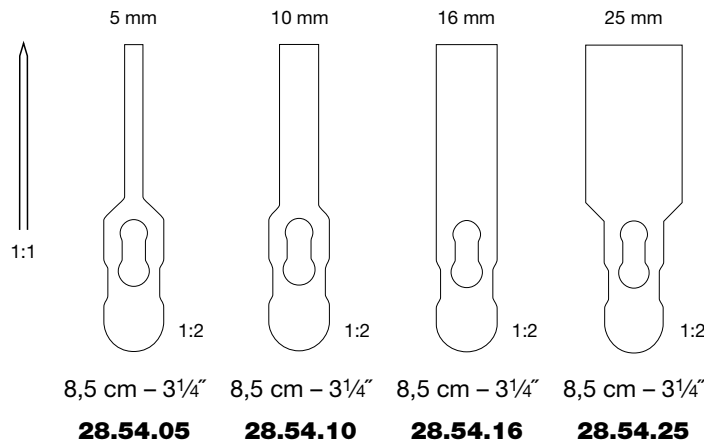
Spannschlüssel  
Wrench  
Llave tensora  
Clé de tension  
Chiave regolare



Flachmeißelklingen  
Chisel blades  
Hojas de cincel  
Lames ciseaux burin  
Lame per scalpello



Hohlmeißelklingen  
 Gouge blades  
 Hojas de gubia  
 Lames gouges  
 Lame per sgorbie

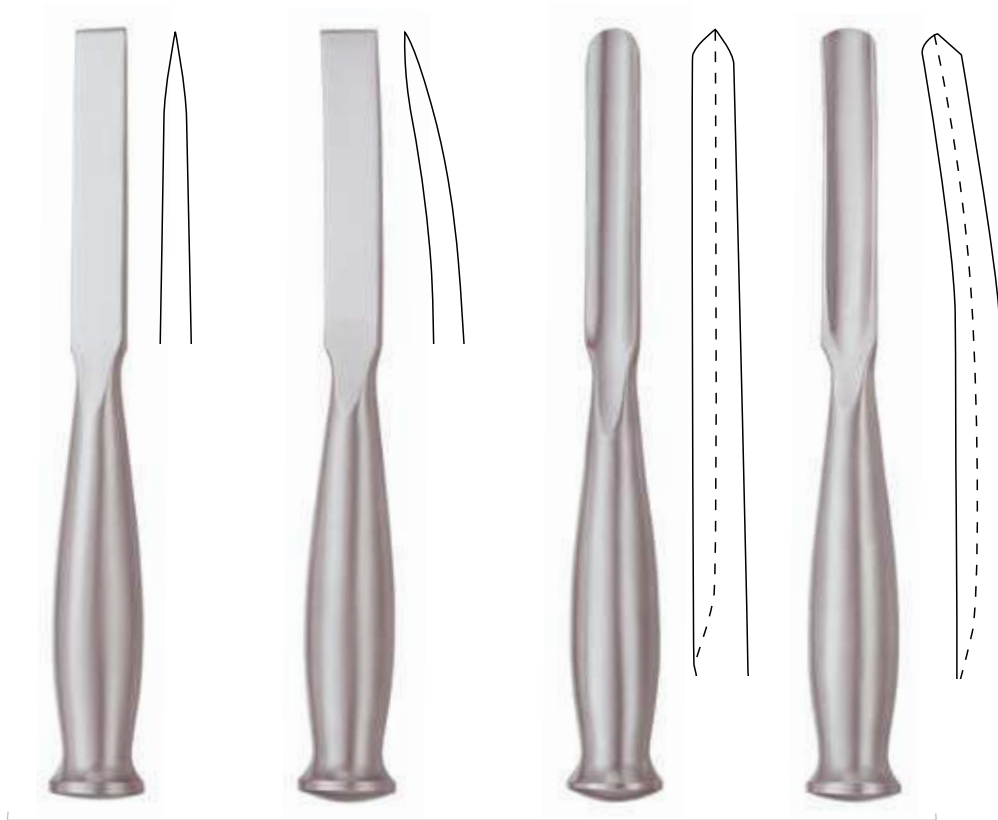


Osteotomklingen  
 Osteotome blades  
 Hojas de osteótomo  
 Lames ostéotome  
 Lame per osteotomia





**Flach- und Hohlmeißel  
Chisels and Gouges  
Cinceles y gubias  
Ciseaux burins et gouges  
Scalpelli e sgorbie**



**Smith-Petersen**

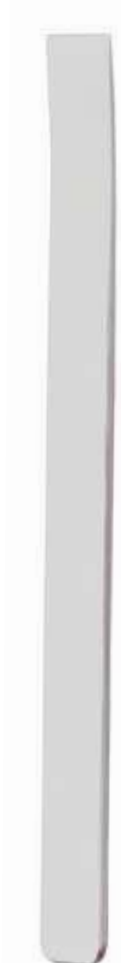
	20 cm – 8"	20 cm – 8"	20 cm – 8"	20 cm – 8"
6 mm	<b>28.71.06</b>	<b>28.71.56</b>	<b>28.72.06</b>	<b>28.72.56</b>
9 mm	<b>28.71.09</b>	<b>28.71.59</b>	<b>28.72.09</b>	<b>28.72.59</b>
12 mm	<b>28.71.12</b>	<b>28.71.62</b>	<b>28.72.12</b>	<b>28.72.62</b>
15 mm	<b>28.71.15</b>	<b>28.71.65</b>	<b>28.72.15</b>	<b>28.72.65</b>
20 mm	<b>28.71.20</b>	<b>28.71.70</b>	<b>28.72.20</b>	<b>28.72.70</b>
25 mm	<b>28.71.25</b>	<b>28.71.75</b>	<b>28.72.25</b>	<b>28.72.75</b>
30 mm	<b>28.71.30</b>	<b>28.71.80</b>	<b>28.72.30</b>	<b>28.72.80</b>



24 cm – 9½"

4 mm	<b>28.94.04</b>
6 mm	<b>28.94.06</b>
8 mm	<b>28.94.08</b>
10 mm	<b>28.94.10</b>
12 mm	<b>28.94.12</b>
15 mm	<b>28.94.15</b>
20 mm	<b>28.94.20</b>
25 mm	<b>28.94.25</b>
30 mm	<b>28.94.30</b>
40 mm	<b>28.94.40</b>
44 mm	<b>28.94.44</b>
50 mm	<b>28.94.50</b>

**Lambotte**



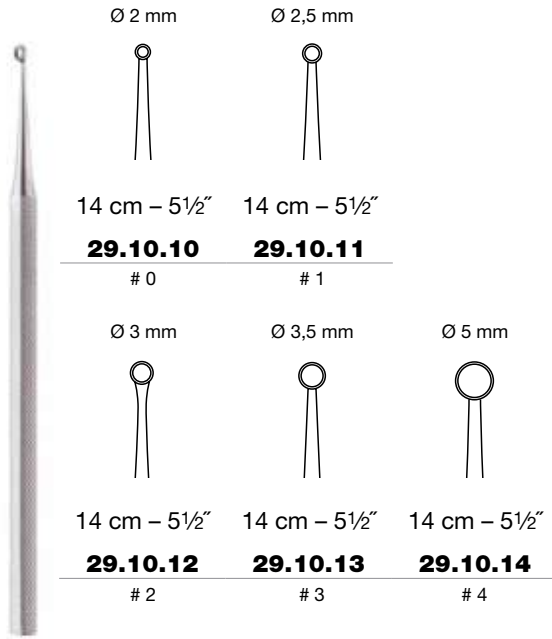
24 cm – 9½"

4 mm	<b>28.94.54</b>
6 mm	<b>28.94.56</b>
8 mm	<b>28.94.58</b>
10 mm	<b>28.94.60</b>
12 mm	<b>28.94.62</b>
15 mm	<b>28.94.65</b>
20 mm	<b>28.94.70</b>
25 mm	<b>28.94.75</b>
30 mm	<b>28.94.80</b>
40 mm	<b>28.94.90</b>
44 mm	<b>28.94.94</b>
50 mm	<b>28.94.99</b>

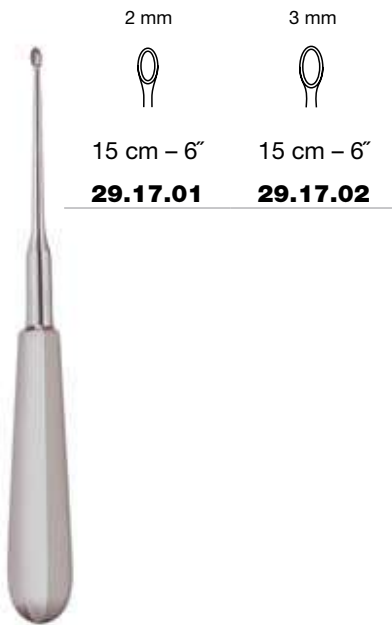
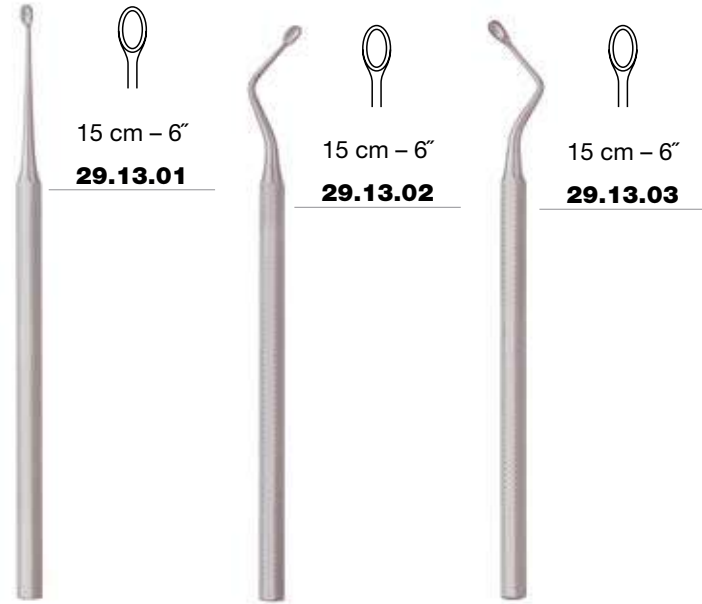
**Lambotte**



**Scharfe Löffel**  
**Sharp Curettes**  
**Cucharillas cortantes**  
**Curettes tranchantes**  
**Cucchiai taglienti**



**Meyhoefer**



**Kerpel**



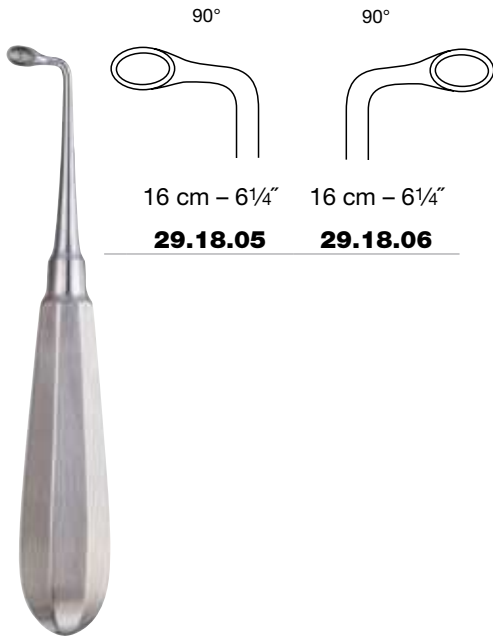
**Kerpel**



**Kerpel**

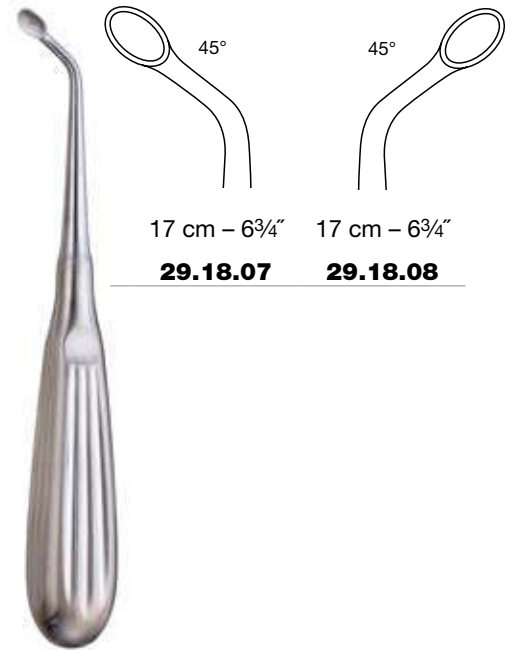


**Scharfe Löffel**  
**Sharp Curettes**  
**Cucharillas cortantes**  
**Curettes tranchantes**  
**Cucchiai taglienti**



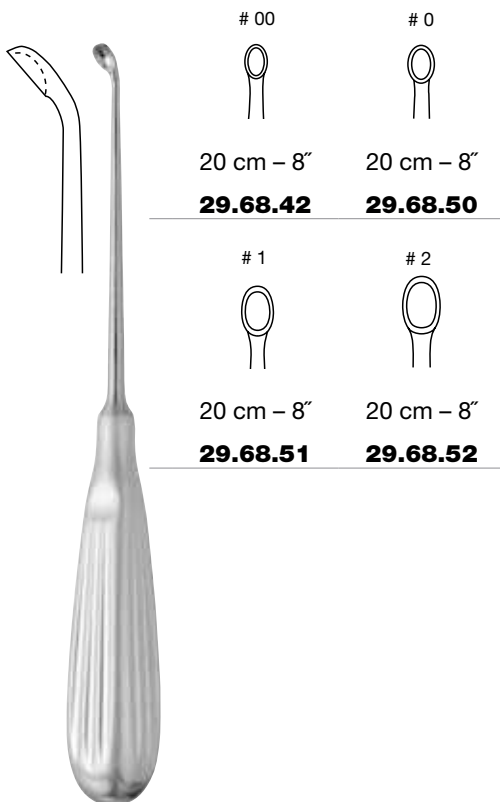
90°	90°
16 cm – 6¼"	16 cm – 6¼"
<b>29.18.05</b>	<b>29.18.06</b>

**Siebenmann**



45°	45°
17 cm – 6¾"	17 cm – 6¾"
<b>29.18.07</b>	<b>29.18.08</b>

**Uffenorde**



# 00	# 0
20 cm – 8"	20 cm – 8"
<b>29.68.42</b>	<b>29.68.50</b>
# 1	# 2
20 cm – 8"	20 cm – 8"
<b>29.68.51</b>	<b>29.68.52</b>

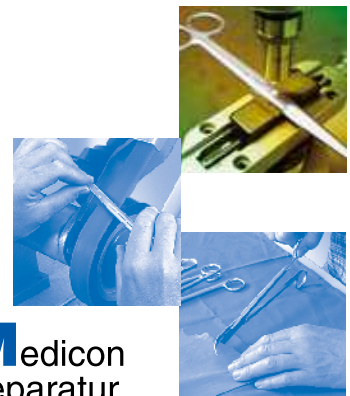
**Daubenspeck**

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**Reparatur**  
**Service**

Zuverlässig. Schnell. Effizient.  
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 Eficaz. Rápido. Eficiente.  
 Consciencieux. Rapide. Productif.  
 Fidato. Veloce. Efficiente



*old people breathed a sigh of relief. Harmony once again prevailed*



**Scharfe Löffel**  
**Sharp Curettes**  
**Cucharillas cortantes**  
**Curettes tranchantes**  
**Cucchiai taglienti**



**Buck**

# 1



14,5 cm - 5¾"

**29.20.01**

# 2



14,5 cm - 5¾"

**29.20.02**

# 3



14,5 cm - 5¾"

**29.20.03**

# 4



14,5 cm - 5¾"

**29.20.04**

# 5



14,5 cm - 5¾"

**29.20.05**

# 1 - 4 mm



17 cm - 6¾"

**29.24.01**

# 2 - 5 mm



17 cm - 6¾"

**29.24.02**

# 1 - 3,5 mm



17 cm - 6¾"

**29.24.51**

# 2 - 5,5 mm



17 cm - 6¾"

**29.24.52**



**Williger**

# 000



17 cm - 6¾"

**29.40.33**

# 00



17 cm - 6¾"

**29.40.42**

# 0



17 cm - 6¾"

**29.40.50**

# 1



17 cm - 6¾"

**29.40.51**

# 2



17 cm - 6¾"

**29.40.52**

# 3



17 cm - 6¾"

**29.40.53**

# 4



17 cm - 6¾"

**29.40.54**

# 5



17 cm - 6¾"

**29.40.55**

# 6



17 cm - 6¾"

**29.40.56**



**Bruns**

**Scharfe Löffel**  
**Sharp Curettes**  
**Cucharillas cortantes**  
**Curettes tranchantes**  
**Cucchiai taglienti**



Ø 2 mm	Ø 3 mm	Ø 4 mm	Ø 5 mm	Ø 6 mm
19,5 cm – 7¾"	19,5 cm – 7¾"	19,5 cm – 7¾"	19,5 cm – 7¾"	19,5 cm – 7¾"
<b>29.48.02</b>	<b>29.48.03</b>	<b>29.48.04</b>	<b>29.48.05</b>	<b>29.48.06</b>

Ø 7 mm	Ø 8 mm	Ø 10 mm	Ø 12 mm	Ø 14 mm
19,5 cm – 7¾"	19,5 cm – 7¾"	19,5 cm – 7¾"	19,5 cm – 7¾"	19,5 cm – 7¾"
<b>29.48.07</b>	<b>29.48.08</b>	<b>29.48.10</b>	<b>29.48.12</b>	<b>29.48.14</b>

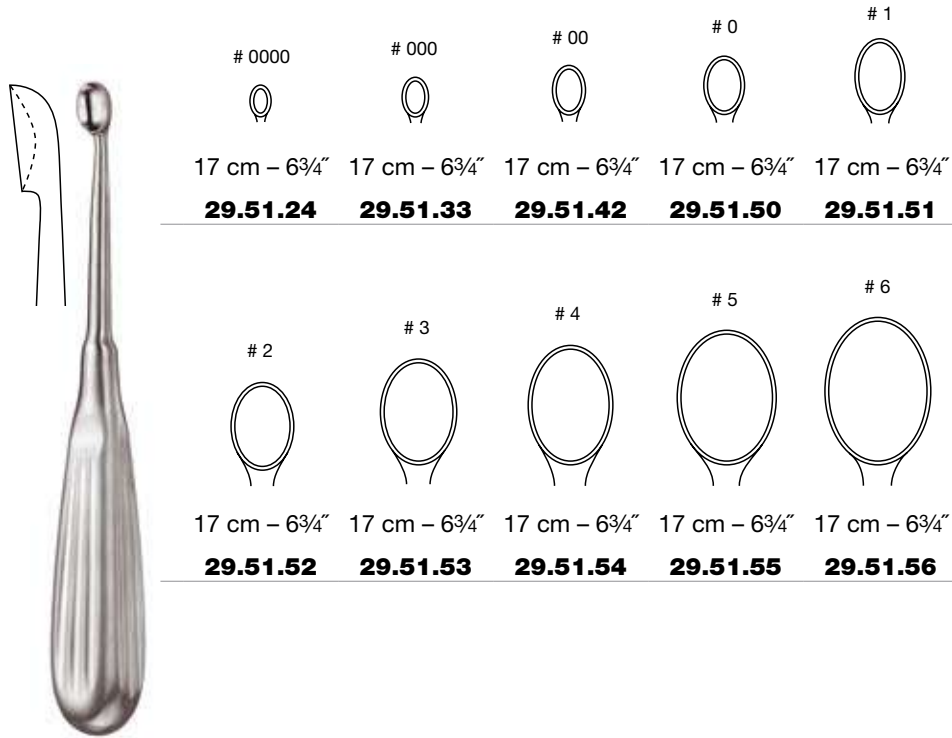


2 mm	3 mm	4 mm	5 mm	6 mm
20 cm – 8"	20 cm – 8"	20 cm – 8"	20 cm – 8"	20 cm – 8"
<b>29.49.02</b>	<b>29.49.03</b>	<b>29.49.04</b>	<b>29.49.05</b>	<b>29.49.06</b>

7 mm	8 mm	10 mm	12 mm	14 mm
20 cm – 8"	20 cm – 8"	20 cm – 8"	20 cm – 8"	20 cm – 8"
<b>29.49.07</b>	<b>29.49.08</b>	<b>29.49.10</b>	<b>29.49.12</b>	<b>29.49.14</b>



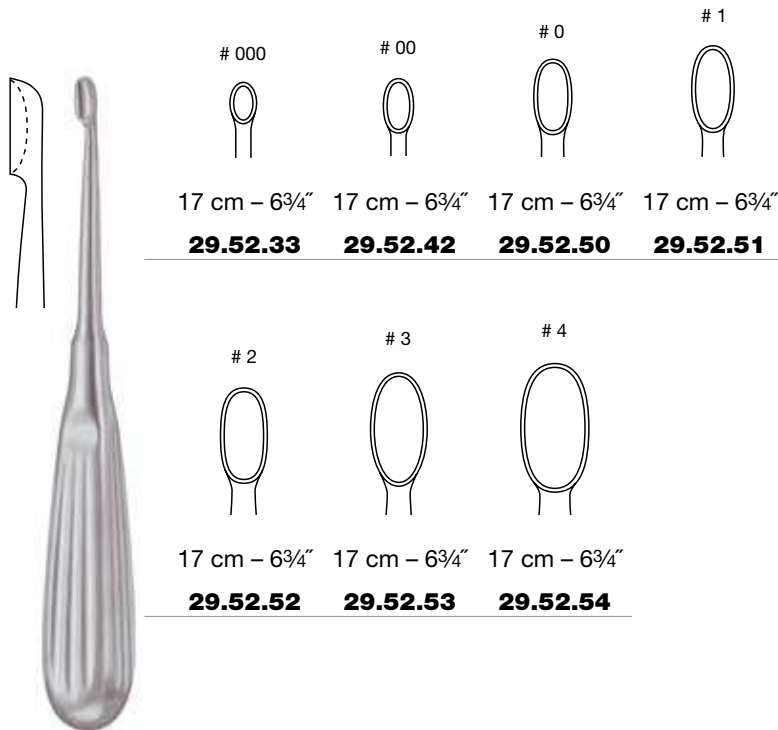
**Scharfe Löffel**  
**Sharp Curettes**  
**Cucharillas cortantes**  
**Curettes tranchantes**  
**Cucchiai taglienti**



**Volkmann**

# 0000	# 000	# 00	# 0	# 1
17 cm - 6¾"	17 cm - 6¾"	17 cm - 6¾"	17 cm - 6¾"	17 cm - 6¾"
<b>29.51.24</b>	<b>29.51.33</b>	<b>29.51.42</b>	<b>29.51.50</b>	<b>29.51.51</b>

# 2	# 3	# 4	# 5	# 6
17 cm - 6¾"	17 cm - 6¾"	17 cm - 6¾"	17 cm - 6¾"	17 cm - 6¾"
<b>29.51.52</b>	<b>29.51.53</b>	<b>29.51.54</b>	<b>29.51.55</b>	<b>29.51.56</b>



**Schede**

# 000	# 00	# 0	# 1
17 cm - 6¾"	17 cm - 6¾"	17 cm - 6¾"	17 cm - 6¾"
<b>29.52.33</b>	<b>29.52.42</b>	<b>29.52.50</b>	<b>29.52.51</b>
# 2	# 3	# 4	
17 cm - 6¾"	17 cm - 6¾"	17 cm - 6¾"	
<b>29.52.52</b>	<b>29.52.53</b>	<b>29.52.54</b>	

**Scharfe Löffel**  
**Sharp Curettes**  
**Cucharillas cortantes**  
**Curettes tranchantes**  
**Cucchiai taglienti**



**Volkmann**

# 0000	# 000	# 00	# 0	# 1
23 cm - 9"	23 cm - 9"	23 cm - 9"	23 cm - 9"	23 cm - 9"
<b>29.53.24</b>	<b>29.53.33</b>	<b>29.53.42</b>	<b>29.53.50</b>	<b>29.53.51</b>

# 2	# 3	# 4	# 5	# 6
23 cm - 9"	23 cm - 9"	23 cm - 9"	23 cm - 9"	23 cm - 9"
<b>29.53.52</b>	<b>29.53.53</b>	<b>29.53.54</b>	<b>29.53.55</b>	<b>29.53.56</b>



**Volkmann**

# 0000	# 000	# 00	# 0	# 1
23 cm - 9"	23 cm - 9"	23 cm - 9"	23 cm - 9"	23 cm - 9"
<b>29.53.64</b>	<b>29.53.73</b>	<b>29.53.82</b>	<b>29.53.90</b>	<b>29.53.91</b>

# 2	# 3	# 4	# 5	# 6
23 cm - 9"	23 cm - 9"	23 cm - 9"	23 cm - 9"	23 cm - 9"
<b>29.53.92</b>	<b>29.53.93</b>	<b>29.53.94</b>	<b>29.53.95</b>	<b>29.53.96</b>

*primitive instincts. Not only those in Sector C still had an uneasy*



**Scharfe Löffel**  
**Sharp Curettes**  
**Cucharillas cortantes**  
**Curettes tranchantes**  
**Cucchiari taglienti**



**Bruns**

# 0000	# 000	# 00	# 0	# 1
23 cm - 9"	23 cm - 9"	23 cm - 9"	23 cm - 9"	23 cm - 9"
<b>29.55.24</b>	<b>29.55.33</b>	<b>29.55.42</b>	<b>29.55.50</b>	<b>29.55.51</b>

# 2	# 3	# 4	# 5	# 6
23 cm - 9"	23 cm - 9"	23 cm - 9"	23 cm - 9"	23 cm - 9"
<b>29.55.52</b>	<b>29.55.53</b>	<b>29.55.54</b>	<b>29.55.55</b>	<b>29.55.56</b>



**NOVOTEX**

**Bruns**

# 0000	# 000	# 00	# 0	# 1
27 cm - 10 <sup>3</sup> / <sub>4</sub> "	27 cm - 10 <sup>3</sup> / <sub>4</sub> "	27 cm - 10 <sup>3</sup> / <sub>4</sub> "	27 cm - 10 <sup>3</sup> / <sub>4</sub> "	27 cm - 10 <sup>3</sup> / <sub>4</sub> "
<b>29.56.24</b>	<b>29.56.33</b>	<b>29.56.42</b>	<b>29.56.50</b>	<b>29.56.51</b>

# 2	# 3	# 4	# 5	# 6
27 cm - 10 <sup>3</sup> / <sub>4</sub> "	27 cm - 10 <sup>3</sup> / <sub>4</sub> "	27 cm - 10 <sup>3</sup> / <sub>4</sub> "	27 cm - 10 <sup>3</sup> / <sub>4</sub> "	27 cm - 10 <sup>3</sup> / <sub>4</sub> "
<b>29.56.52</b>	<b>29.56.53</b>	<b>29.56.54</b>	<b>29.56.55</b>	<b>29.56.56</b>



**Scharfe Löffel**  
**Sharp Curettes**  
**Cucharillas cortantes**  
**Curettes tranchantes**  
**Cucchiai taglienti**



# 000	# 00	# 0
18 cm – 7 1/8"	18 cm – 7 1/8"	18 cm – 7 1/8"
<b>29.63.33</b>	<b>29.63.42</b>	<b>29.63.50</b>

# 1	# 2
18 cm – 7 1/8"	18 cm – 7 1/8"
<b>29.63.51</b>	<b>29.63.52</b>

**Advertisement**

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**Spratt**



biegsam  
malleable  
maleable  
malléable  
malleabile

4 mm	5 mm	6 mm
21 cm – 8 1/4"	21 cm – 8 1/4"	21 cm – 8 1/4"
<b>29.69.51</b>	<b>29.69.52</b>	<b>29.69.53</b>
# 1	# 2	# 3



21 cm – 8 1/4"	21 cm – 8 1/4"	21 cm – 8 1/4"	21 cm – 8 1/4"
<b>29.67.06</b>	<b>29.67.15</b>	<b>29.67.24</b>	<b>29.67.33</b>
# 000000	# 00000	# 0000	# 000
21 cm – 8 1/4"	21 cm – 8 1/4"	21 cm – 8 1/4"	21 cm – 8 1/4"
<b>29.67.42</b>	<b>29.67.50</b>	<b>29.67.51</b>	<b>29.67.52</b>
# 00	# 0	# 1	# 2

**Halle**

**Lempert**

*happening on the surface. And it was better that way. Hour for*



**Scharfe Löffel**  
**Sharp Curettes**  
**Cucharillas cortantes**  
**Curettes tranchantes**  
**Cucchiai taglienti**

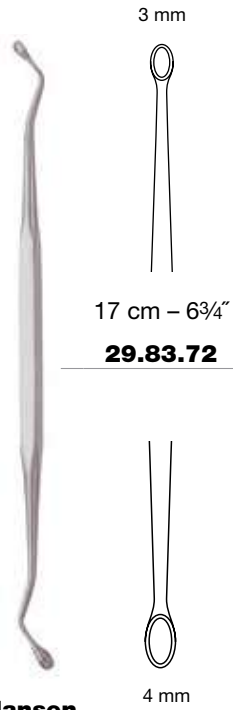
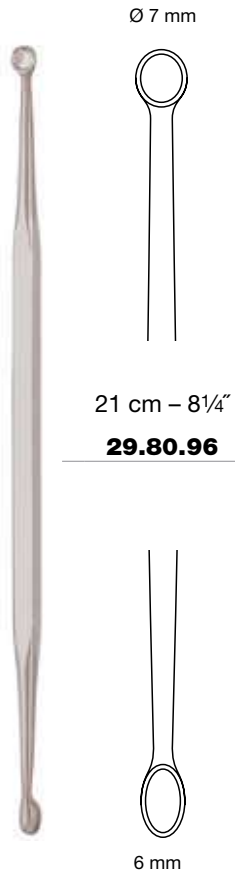
	14 cm – 5½"	14 cm – 5½"	14 cm – 5½"		17 cm – 6¾"
	<b>29.80.10</b>	<b>29.80.11</b>	<b>29.80.12</b>		<b>29.80.62</b>
	# 00-0	# 0-1	# 1-2		Ø 5 mm

**Martini** **Jansen**

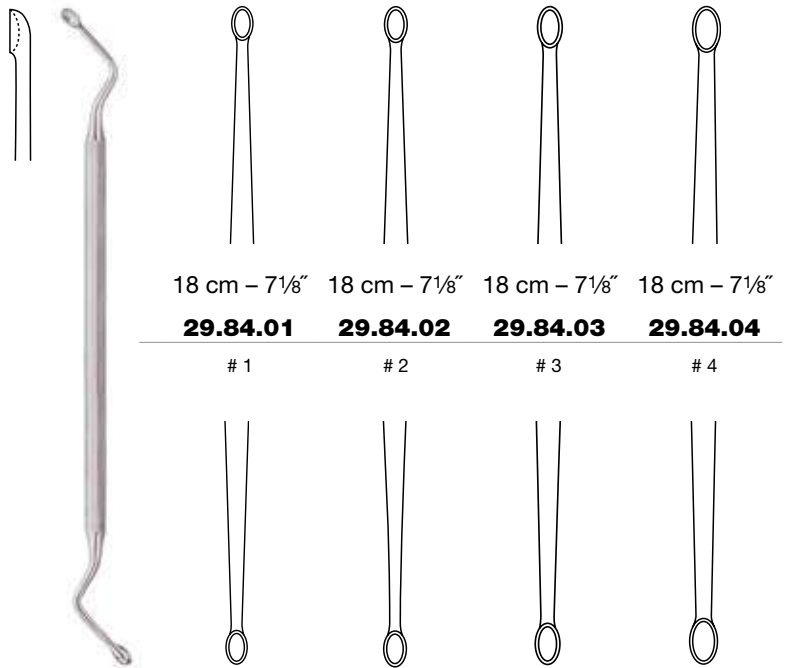
	14 cm – 5½"	14 cm – 5½"	14 cm – 5½"		14 cm – 5½"
	<b>29.83.10</b>	<b>29.83.11</b>	<b>29.83.12</b>		<b>29.83.62</b>
	# 00-0	# 0-1	# 1-2		3 mm

**Williger** **Williger**

**Scharfe Löffel**  
**Sharp Curettes**  
**Cucharillas cortantes**  
**Curettes tranchantes**  
**Cucchiai taglienti**



**Jansen**

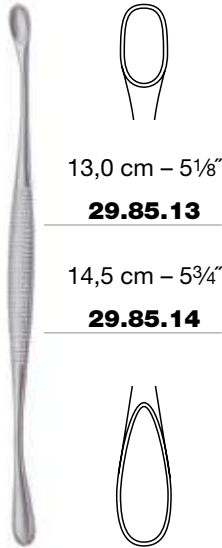


**Hemingway**

*turned to yellow, then brown before inflaming. Sensors on the surface*



**Scharfe Löffel**  
**Sharp Curettes**  
**Cucharillas cortantes**  
**Curettes tranchantes**  
**Cucchiai taglienti**



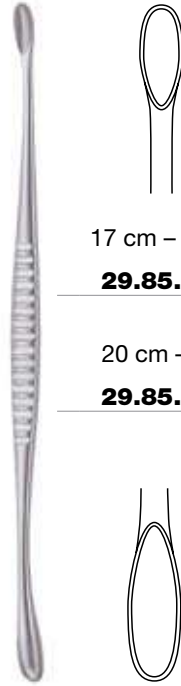
13,0 cm – 5 1/8"

**29.85.13**

14,5 cm – 5 3/4"

**29.85.14**

**Volkman**



17 cm – 6 3/4"

**29.85.17**

20 cm – 8"

**29.85.20**

**Volkman**



3 mm

4 mm

5 mm



22 cm – 8 3/4"

22 cm – 8 3/4"

22 cm – 8 3/4"

**29.87.01**

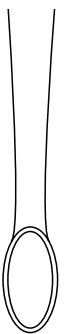
**29.87.02**

**29.87.03**

# 1

# 2

# 3



5 mm

6 mm

7 mm

**Volkman**

*measured over 2500 C before they melted. Over the weeks,*

**Hohlmeißelzangen  
Bone Rongeurs  
Pinzas gubias  
Pincis-gouges  
Pinze sgorbie**



14 cm – 5½”  
**30.05.14**

**Friedmann**



14 cm – 5½” 14 cm – 5½”  
**30.07.14 30.07.15**



14 cm – 5½” 17 cm – 6¾”  
**30.15.14 30.15.17**  
# 4 # 4A

**Mead**



14 cm – 5½” 17 cm – 6¾”  
**30.17.14 30.17.17**  
# 1 # 1A

**Mead**

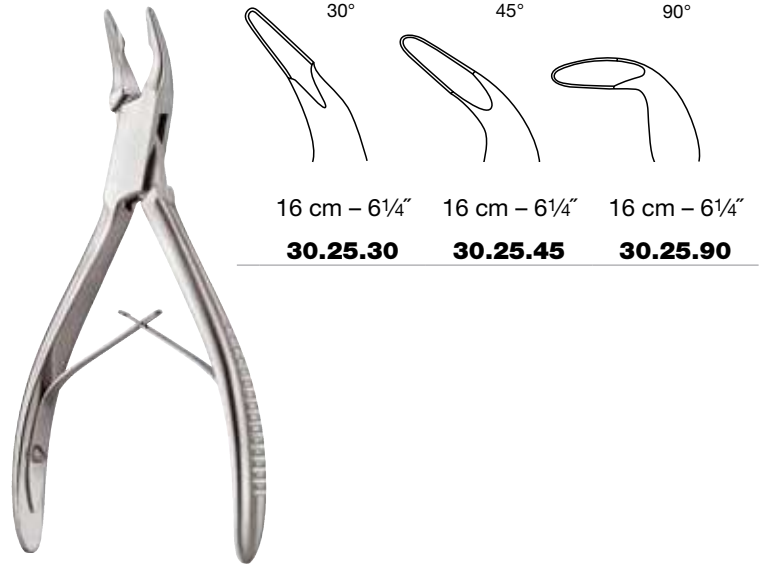


**Hohlmeißelzangen  
Bone Rongeurs  
Pinzas gubias  
Pincers-gouges  
Pinze sgorbie**



17 cm – 6¾"  
**30.17.97**

**Schell**



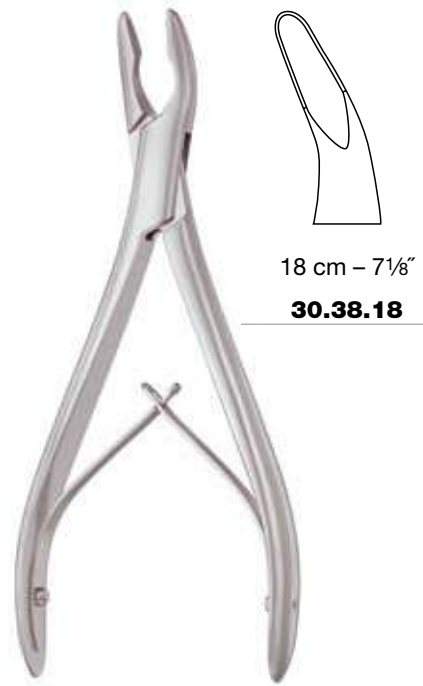
16 cm – 6¼"    16 cm – 6¼"    16 cm – 6¼"  
**30.25.30    30.25.45    30.25.90**

**Blumenthal**



15 cm – 6"    15 cm – 6"  
**30.30.15    30.30.35**

**Luer**



18 cm – 7½"  
**30.38.18**

**Bane**



**Hohlmeißelzangen**  
**Bone Rongeurs**  
**Pinzas gubias**  
**Pinces-gouges**  
**Pinze sgorbie**



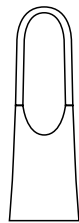
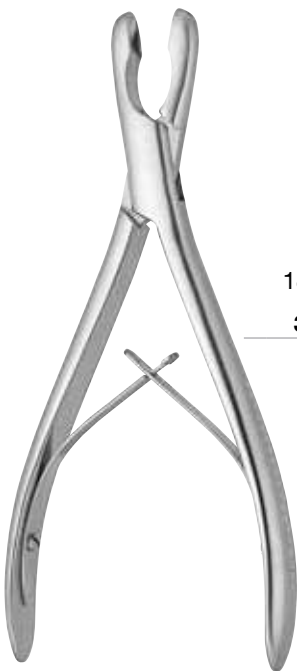
16 cm – 6¼"  
**30.38.56**

**Hartmann**



20 cm – 8"  
**30.38.69**

**Olivecrona**

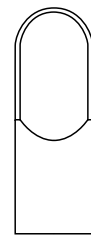
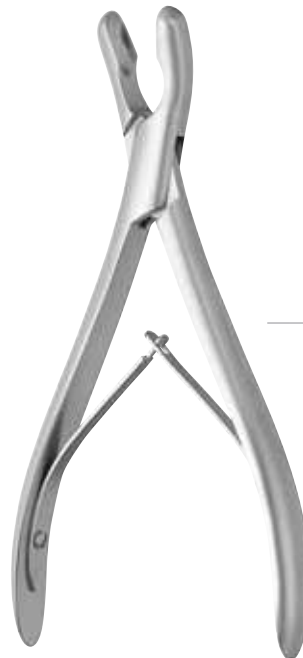


18 cm – 7½"  
**30.52.17**

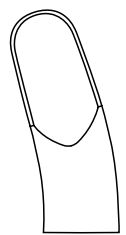


18 cm – 7½"  
**30.53.17**

**Luer**



18 cm – 7½"  
**30.52.18**



18 cm – 7½"  
**30.53.18**

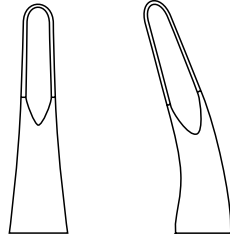
**Luer**



**Hohlmeißelzangen  
Bone Rongeurs  
Pinzas gubias  
Pincès-gouges  
Pinze sgorbie**



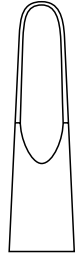
**Jansen**



17 cm – 6¾"    17 cm – 6¾"  
**30.50.18    30.51.18**



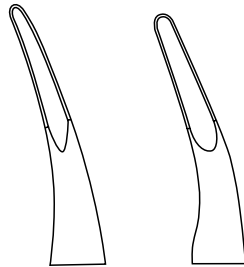
**Adson**



21 cm – 8¼"  
**30.54.21**



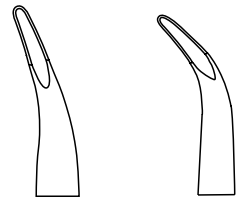
**Beyer**



17 cm – 6¾"    17 cm – 6¾"  
**30.71.02    30.71.03**



**Kleinert-Kutz**



14 cm – 5½"    14 cm – 5½"  
**30.76.13    30.76.14**

**Hohlmeißelzangen**  
**Bone Rongeurs**  
**Pinzas gubias**  
**Pinces-gouges**  
**Pinze sgorbie**



20 cm – 8"  
**30.54.70**

**Bacon**



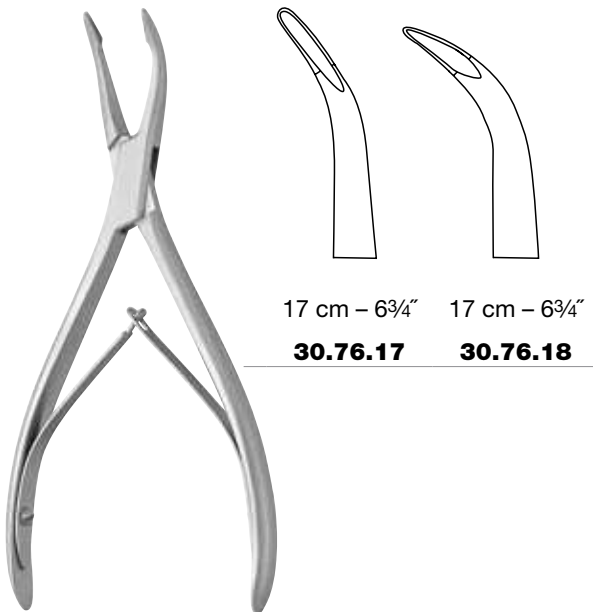
19 cm – 7½"  
**30.79.19**

**Defourmentel**



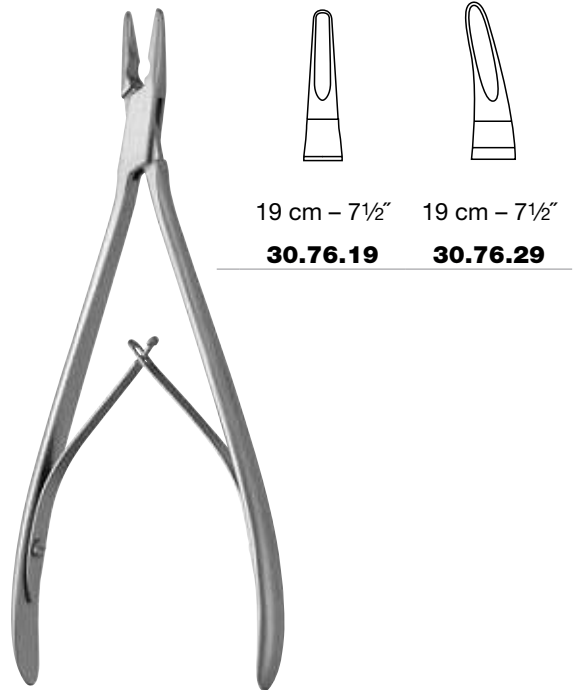
17 cm – 6¾"  
**30.79.59**

**Jansen**



17 cm – 6¾"    17 cm – 6¾"  
**30.76.17**    **30.76.18**

**Stellbrink**



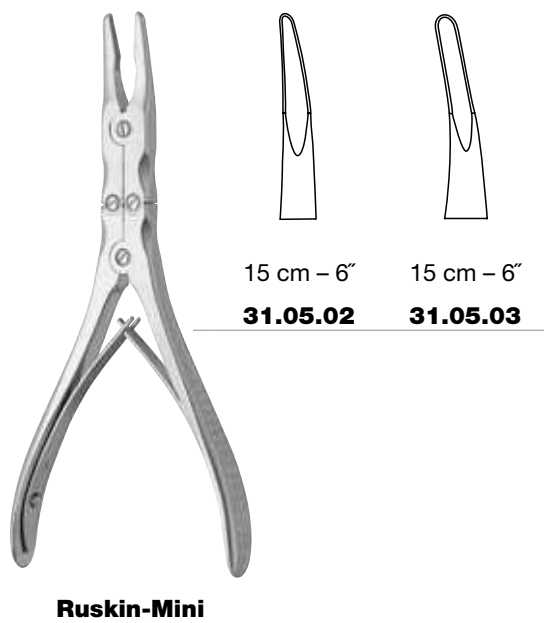
19 cm – 7½"    19 cm – 7½"  
**30.76.19**    **30.76.29**

**Lempert**

*were drained, a pessimistic vision of the future evolved in their*



**Hohlmeißelzangen  
Bone Rongeurs  
Pinzas gubias  
Pinces-gouges  
Pinze sgorbie**



**Hohlmeißelzangen  
Bone Rongeurs  
Pinzas gubias  
Pinces-gouges  
Pinze sgorbie**



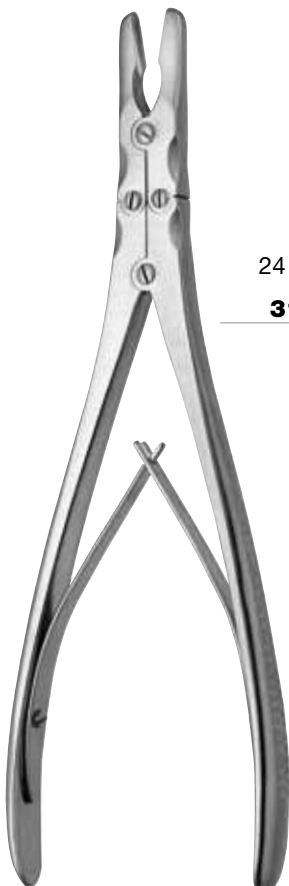
15 cm - 6"  
**31.05.83**

**Geiger**



18 cm - 7 1/8"    18 cm - 7 1/8"  
**31.06.05    31.07.05**

**Ruskin**



24 cm - 9 1/2"    24 cm - 9 1/2"  
**31.06.25    31.07.25**

**Ruskin**



23 cm - 9"    23 cm - 9"    23 cm - 9"  
**31.09.03    31.09.13    31.09.23**

**Smith-Petersen**

*collapse sooner or later. Our reserves are close to the end. Our*



**Hohlmeißelzangen**  
**Bone Rongeurs**  
**Pinzas gubias**  
**Pinces-gouges**  
**Pinze sgorbie**



18 cm – 7 1/8"

**31.07.65**

**Ruskin**



23 cm – 9"

**31.09.93**



18 cm – 7 1/8"

**31.11.04**

**Beyer**



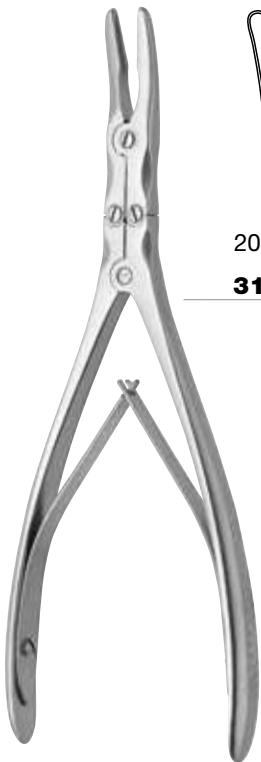
18 cm – 7 1/8"

**31.11.05**

**Zaufal-Jansen**



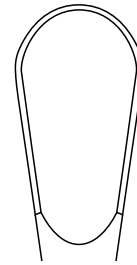
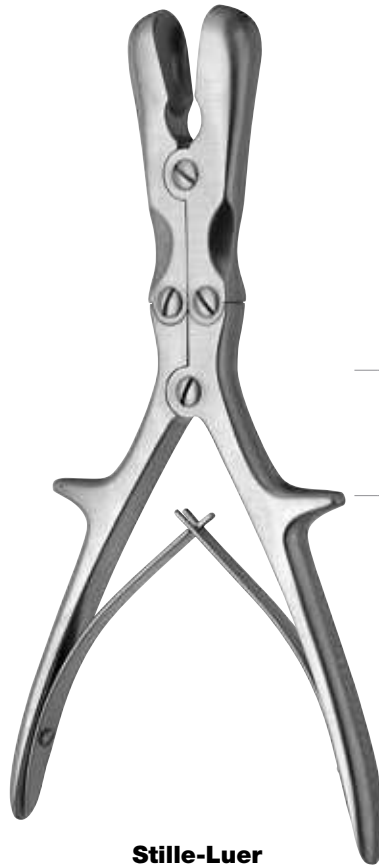
**Hohlmeißelzangen  
Bone Rongeurs  
Pinzas gubias  
Pinces-gouges  
Pinze sgorbie**



20 cm - 8"

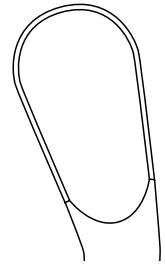
**31.11.13**

**Marquardt**



23 cm - 9"

**31.30.24**



23 cm - 9"

**31.31.24**

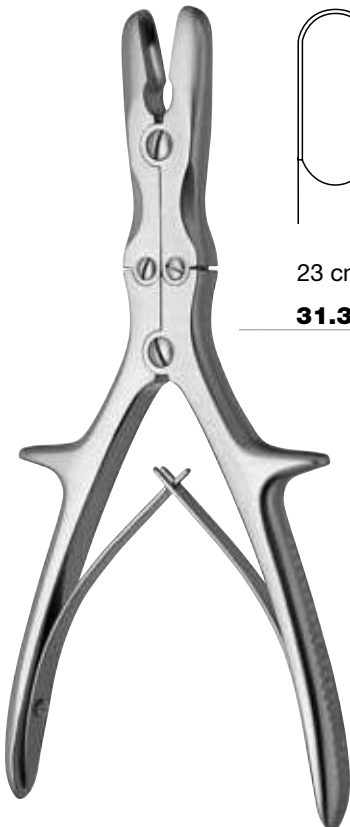
27 cm - 10<sup>3</sup>/<sub>4</sub>"

**31.30.27**

27 cm - 10<sup>3</sup>/<sub>4</sub>"

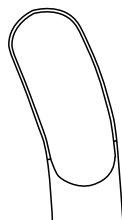
**31.31.27**

**Stille-Luer**



23 cm - 9"

**31.30.23**



23 cm - 9"

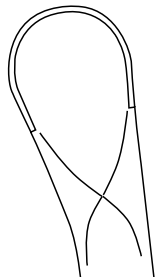
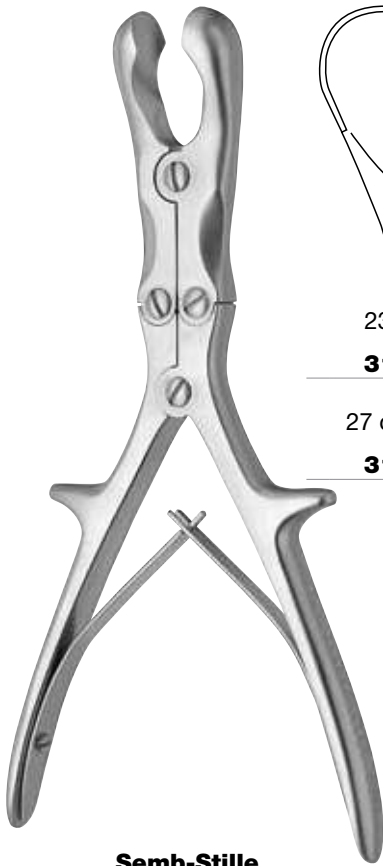
**31.31.23**

**Stille-Luer**

*Exactly this of all ships, which now was full of people, should*



**Hohlmeißelzangen  
Bone Rongeurs  
Pinzas gubias  
Pinces-gouges  
Pinze sgorbie**



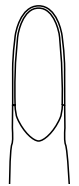
23 cm - 9"

**31.31.53**

27 cm - 10<sup>3</sup>/<sub>4</sub>"

**31.31.57**

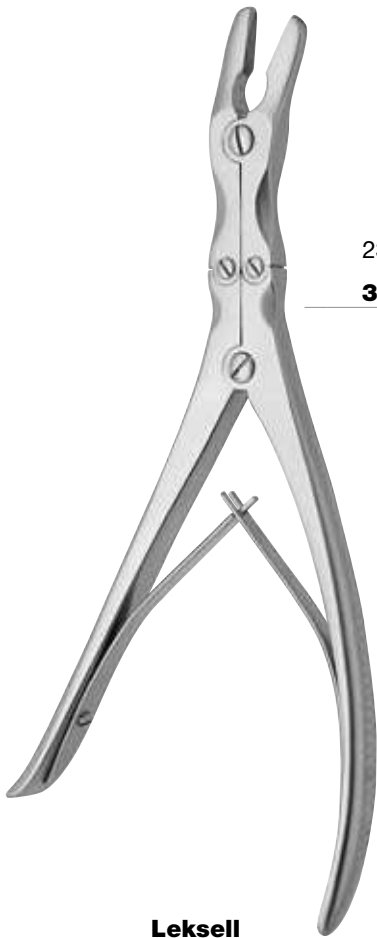
**Semb-Stille**



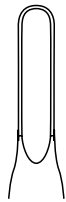
23 cm - 9"

**31.31.83**

**Stille**

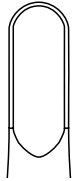


**Leksell**



23 cm - 9"

**31.51.05**

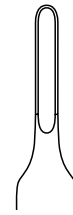


23 cm - 9"

**31.51.08**

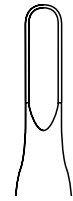


**Leksell**



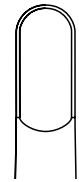
23 cm - 9"

**31.53.03**



23 cm - 9"

**31.53.05**

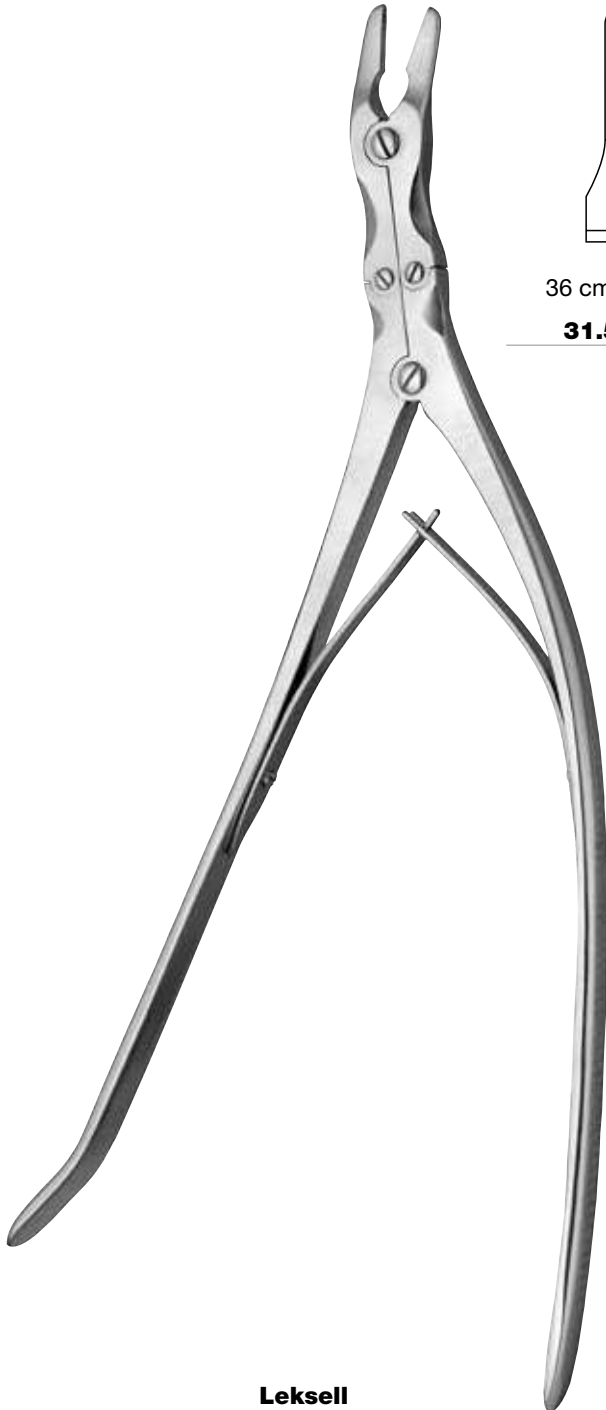


23 cm - 9"

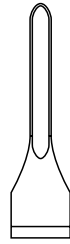
**31.53.08**



**Hohlmeißelzangen**  
**Bone Rongeurs**  
**Pinzas gubias**  
**Pinces-gouges**  
**Pinze sgorbie**

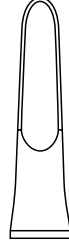


**Leksell**



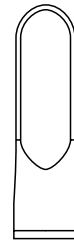
36 cm - 14 1/8"

**31.54.03**



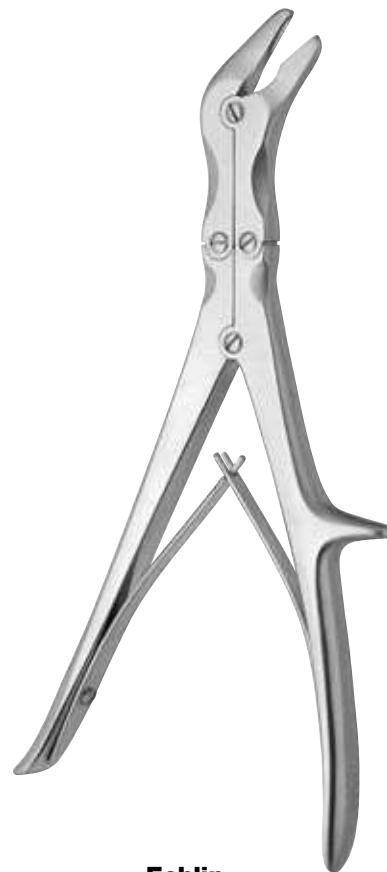
36 cm - 14 1/8"

**31.54.05**



36 cm - 14 1/8"

**31.54.08**

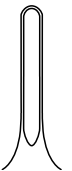


**Echlin**



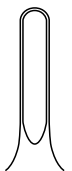
23 cm - 9"

**31.61.02**



23 cm - 9"

**31.61.03**



23 cm - 9"

**31.61.04**

**Knochensplitterzangen**  
**Bone Cutting Forceps**  
**Pinzas cortantes para huesos**  
**Pinces coupantes à os**  
**Pinze ossivore**



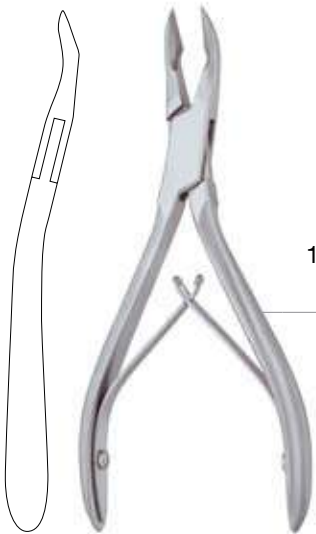
15 cm – 6"  
**33.02.15**

**Littauer**



18 cm – 7 1/8"  
**33.04.18**

**Cottle-Kazanjan**



14 cm – 5 1/2"  
**33.11.14**

**Niro**

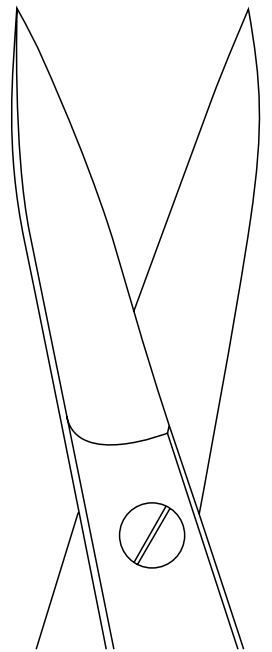


17 cm – 6 3/4"  
**33.11.17**

**Cleveland**



23 cm – 9"  
**33.20.83**





**Knochensplitterzangen**  
**Bone Cutting Forceps**  
**Pinzas cortantes para huesos**  
**Pinces coupantes à os**  
**Pinze ossivore**



**Liston**



14 cm - 5½"

**33.20.14**



17 cm - 6¾"

**33.20.17**



20 cm - 8"

**33.20.19**



22 cm - 8¾"

**33.20.22**



**Liston-mini**



15 cm - 6"

**33.50.15**



15 cm - 6"

**33.51.15**



**Liston**



14 cm - 5½"

**33.21.14**



17 cm - 6¾"

**33.21.17**



20 cm - 8"

**33.21.19**



22 cm - 8¾"

**33.21.22**

**Knochensplitterzangen  
Bone Cutting Forceps  
Pinzas cortantes para huesos  
Pinces coupantes à os  
Pinze ossivore**



18 cm - 7 1/8"

**33.54.18**

18 cm - 7 1/8"

**33.55.18**

**Ruskin-Rowland**



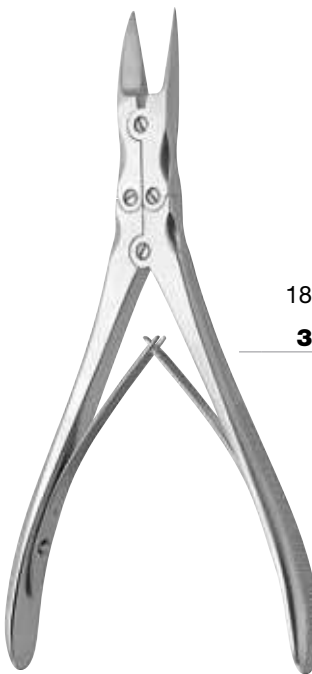
18 cm - 7 1/8"

**33.56.18**

18 cm - 7 1/8"

**33.57.18**

**Ruskin-Liston**



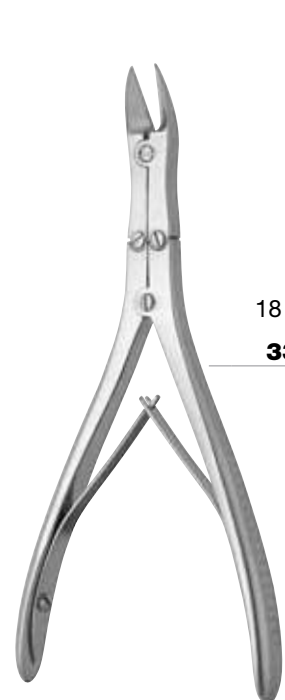
18 cm - 7 1/8"

**33.58.18**

18 cm - 7 1/8"

**33.59.18**

**McIndoe**



18 cm - 7 1/8"

**33.59.17**

**McIndoe**

*MUST anticipate insurgence! We have no other possibilities. 1*





**Knochensplitterzangen**  
**Bone Cutting Forceps**  
**Pinzas cortantes para huesos**  
**Pinces coupantes à os**  
**Pinze ossivore**

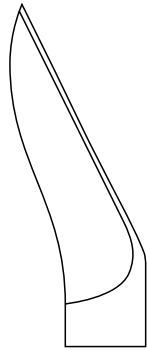


**Liston-Stille**



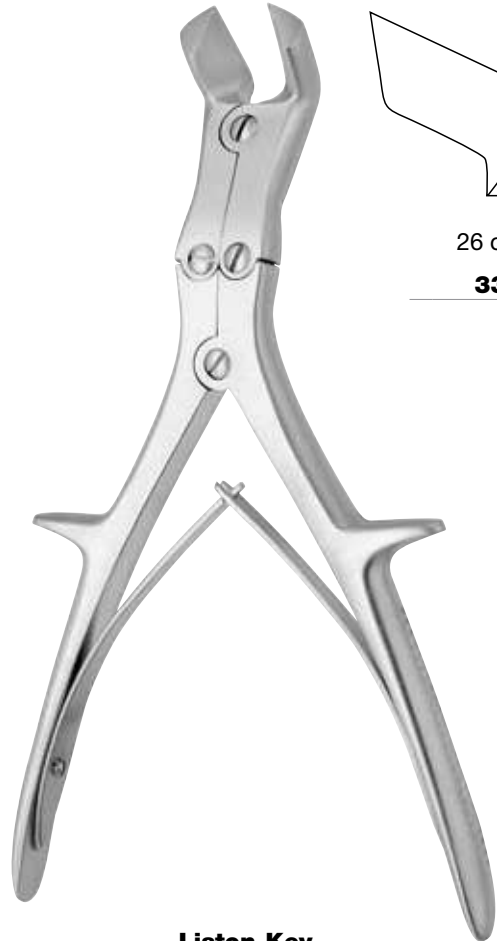
28 cm - 11"

**33.70.27**

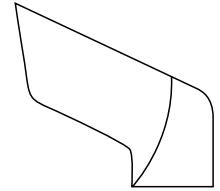


28 cm - 11"

**33.71.27**



**Liston-Key**



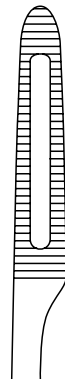
26 cm - 10 1/4"

**33.75.27**

**Knochenhalte­zangen**  
**Bone Holding Forceps**  
**Pinzas prensoras de huesos**  
**Daviers à os**  
**Tenaglie per ossa**

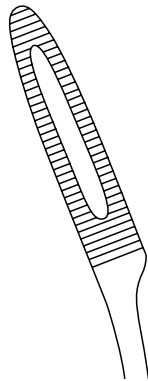


Sequesterzangen  
Sequestrum forceps  
Pinzas para secuestrectomía  
Pinces à séquestre  
Pinze per sequestri



20 cm – 8"

**35.02.20**

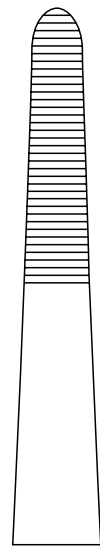


20 cm – 8"

**35.03.20**



**Van Buren**



23 cm – 9"

**35.05.23**



**Knochenhalte­zangen**  
**Bone Holding Forceps**  
**Pinzas prensoras de huesos**  
**Daviers à os**  
**Tenaglie per ossa**

Repositionszangen  
Reposition forceps  
Pinzas para reposición  
Pincas à reposition  
Pinze per riposizione



13,5 cm – 5 $\frac{3}{8}$ "

**35.11.13**



13,5 cm – 5 $\frac{3}{8}$ "

**35.11.14**



max. 25 mm

extra große Öffnung für die Handchirurgie  
extra large opening for hand surgery  
apertura grande para la cirugía de la mano  
ouverture extra-large pour la chirurgie de la main  
apertura extra grande per la chirurgia della mano

15,5 cm – 6 $\frac{1}{8}$ "

**35.11.17**

**Kistler-Manus**



18 cm – 7 $\frac{1}{8}$ "

**35.11.18**

**Lewin**

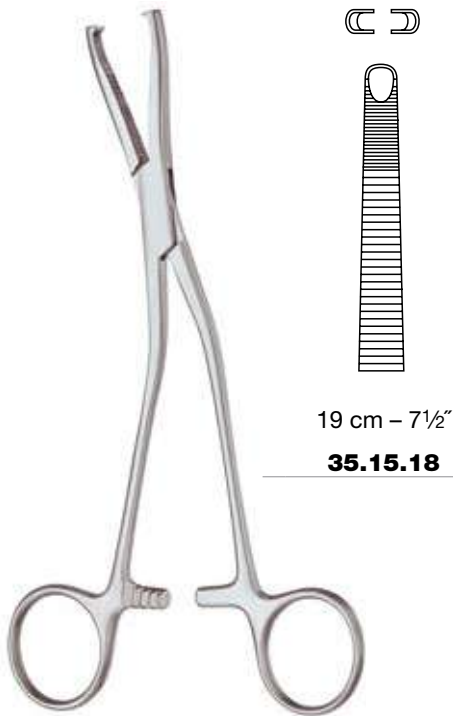
**Knochenhalte­zangen**  
**Bone Holding Forceps**  
**Pinzas prensoras de huesos**  
**Daviers à os**  
**Tenaglie per ossa**



14 cm – 5½"  
**35.14.14**



16 cm – 6¼"  
**35.14.16**  
 22 cm – 8¾"  
**35.14.22**



19 cm – 7½"  
**35.15.18**

**Dingman**



19 cm – 7½"  
**35.15.19**

**Dingman**



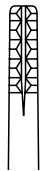
**Knochenhalte­zangen**  
**Bone Holding Forceps**  
**Pinzas prensoras de huesos**  
**Daviers à os**  
**Tenaglie per ossa**



21 cm – 8¼"  
**35.16.21**



20 cm – 8"  
**35.20.20**



16 cm – 6¼"  
**35.21.16**

Knorpel- und Meniskusfasszange  
 Cartilage and meniscus forceps  
 Pinza para cartílagos y menisco  
 Pince à cartilage et à ménisque  
 Tenaglia per cartilagine e menisco

**Martin**



19 cm – 7½"  
**35.21.19**

Knorpel- und Meniskusfasszange  
 Cartilage and meniscus forceps  
 Pinza para cartílagos y menisco  
 Pince à cartilage et à ménisque  
 Tenaglia per cartilagine e menisco

**Martin**

**Knochenhaltezangen  
Bone Holding Forceps  
Pinzas prensoras de huesos  
Daviers à os  
Tenaglie per ossa**



20 cm – 8"

**35.21.20**

Knorpel- und Meniskusfazzange  
Cartilage and meniscus forceps  
Pinza para cartílagos y menisco  
Pince à cartilage et à ménisque  
Tenaglia per cartilagine e menisco

**Bircher**



21 cm – 8¼"

**35.21.22**

Knorpel- und Meniskusfazzange  
Cartilage and meniscus forceps  
Pinza para cartílagos y menisco  
Pince à cartilage et à ménisque  
Tenaglia per cartilagine e menisco



20 cm – 8"

**35.21.25**

Knorpel- und Meniskusfazzange  
Cartilage and meniscus forceps  
Pinza para cartílagos y menisco  
Pince à cartilage et à ménisque  
Tenaglia per cartilagine e menisco

**Bircher-Ganske**

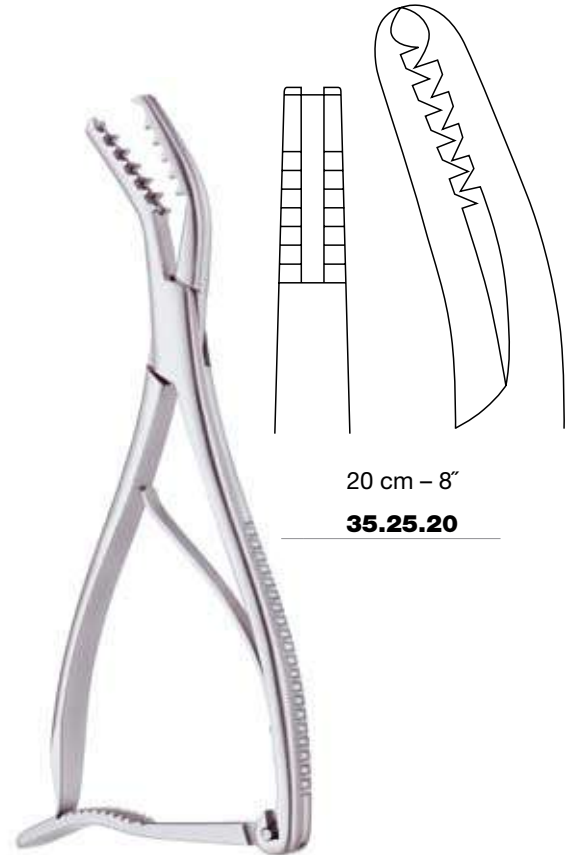


**Knochenhalte­zangen**  
**Bone Holding Forceps**  
**Pinzas prensoras de huesos**  
**Daviers à os**  
**Tenaglie per ossa**



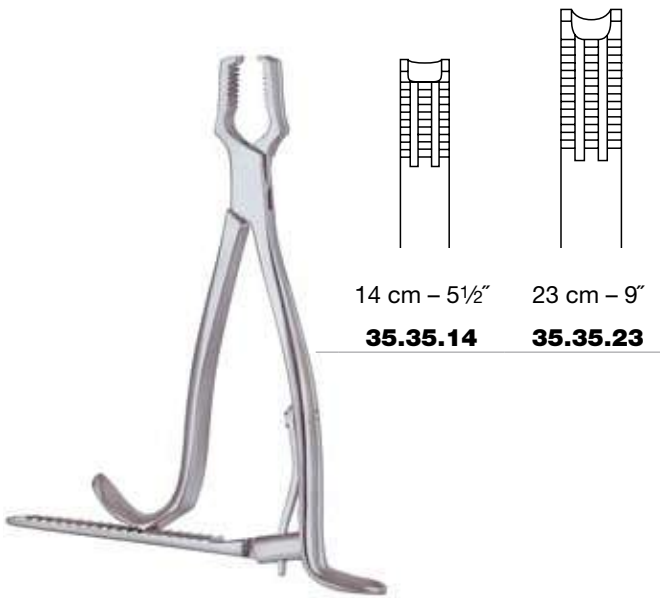
20 cm – 8"  
**35.24.20**

**Semb**



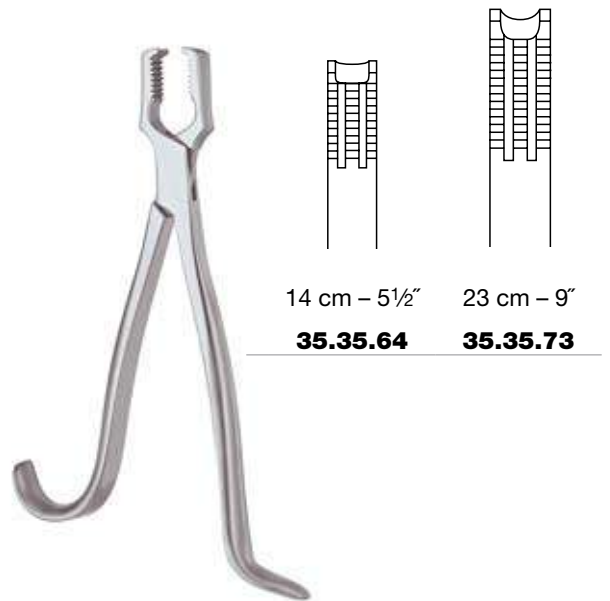
20 cm – 8"  
**35.25.20**

**Semb**



14 cm – 5½"    23 cm – 9"  
**35.35.14    35.35.23**

**Kern**



14 cm – 5½"    23 cm – 9"  
**35.35.64    35.35.73**

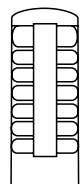
**Kern**



**Knochenhalte­zangen**  
**Bone Holding Forceps**  
**Pinzas prensoras de huesos**  
**Daviers à os**  
**Tenaglie per ossa**

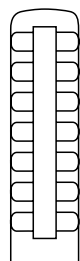


**Ulrich**



23 cm - 9"

**35.45.23**



25 cm - 10"

**35.45.25**

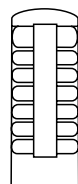


28 cm - 11"

**35.45.28**

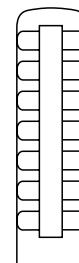


**Ulrich**



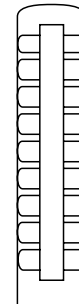
23 cm - 9"

**35.45.73**



25 cm - 10"

**35.45.75**



28 cm - 11"

**35.45.78**



**Knochenhalte­zangen**  
**Bone Holding Forceps**  
**Pinzas prensoras de huesos**  
**Daviers à os**  
**Tenaglie per ossa**

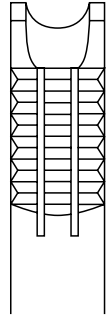


33,0 cm – 13"

**35.60.33**

41,5 cm – 16 1/3"

**35.60.45**

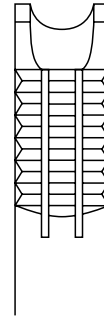


33,0 cm – 13"

**35.61.33**

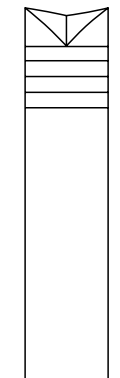
41,5 cm – 16 1/3"

**35.61.45**



**Lane**

**Lane**

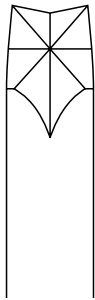


20 cm – 8"

**35.50.21**

**Langenbeck**

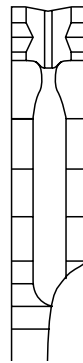
**Knochenhaltezangen**  
**Bone Holding Forceps**  
**Pinzas prensoras de huesos**  
**Daviers à os**  
**Tenaglie per ossa**



21 cm – 8¼"

**35.52.21**

**Fergusson**



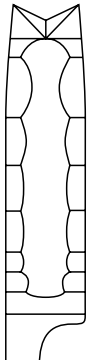
23 cm – 9"

**35.64.23**

25 cm – 10"

**35.64.25**

**Farabeuf**



26 cm – 10¼"

**35.64.96**

**Farabeuf-Lambotte**



17,5 cm – 7"

**35.75.17**

**Verbrugge**



18 cm – 7⅛"

**35.80.18**

20 cm – 8"

**35.80.20**

22 cm – 8¾"

**35.80.22**

**Lowman**

Knochenhalteklammern  
 Bone holding clamps  
 Grapa-parta hueso  
 Daviers pour la fixation des fragments  
 Tenaglie per ossa

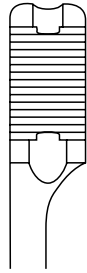


**Knochenhalte­zangen**  
**Bone Holding Forceps**  
**Pinzas prensoras de huesos**  
**Daviers à os**  
**Tenaglie per ossa**

selbstzentrierend  
 self-centering  
 autocentrando  
 autocentrer  
 autocentrante



**Verbrugge**



25 cm – 10"

**35.75.25**

26 cm – 10¼"

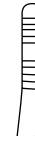
**35.75.26**

27 cm – 10¾"

**35.75.27**

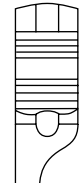


**Verbrugge**



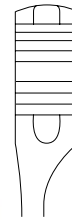
15 cm – 6"

**35.76.15**



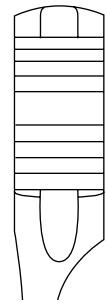
19 cm – 7½"

**35.76.19**



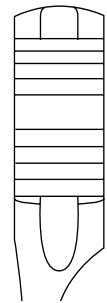
24 cm – 9½"

**35.76.24**



26 cm – 10¼"

**35.76.26**



28 cm – 11"

**35.76.28**



17 cm – 6 $\frac{3}{4}$ "

**76.55.17**

Knochenbohrer  
Bone drill  
Taladro para huesos  
Perforateur à os  
Perforatore per ossa

**Championniere**



15 cm – 6"

**76.59.15**



16 cm – 6 $\frac{3}{4}$ "

**78.03.01**



21 cm – 8 $\frac{1}{4}$ "

**76.59.21**

**Perthes**



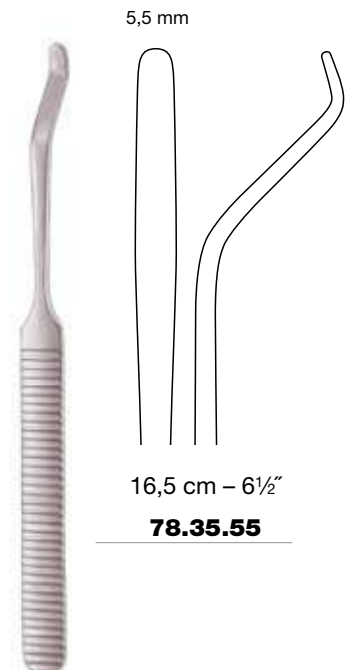
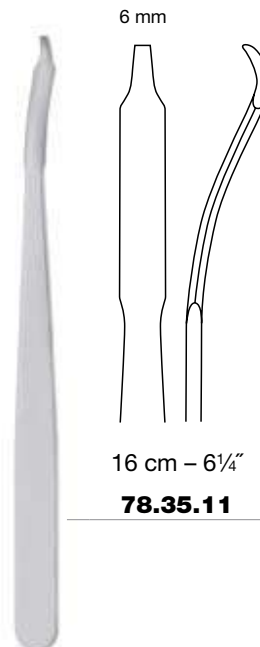
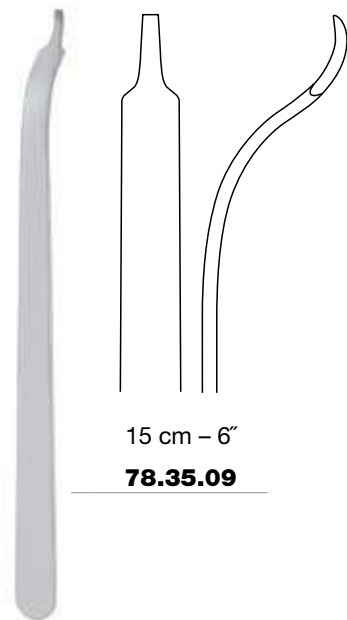
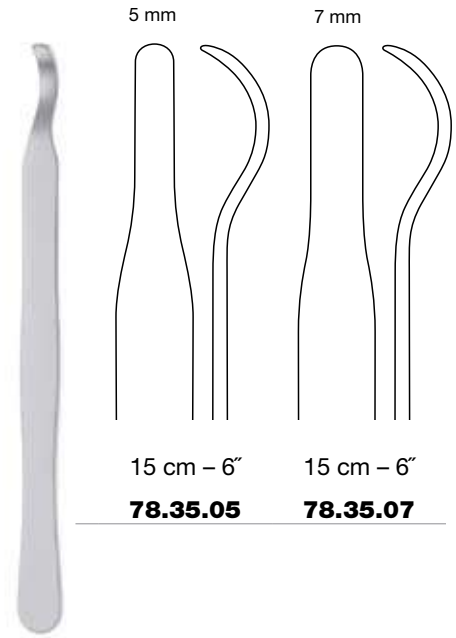
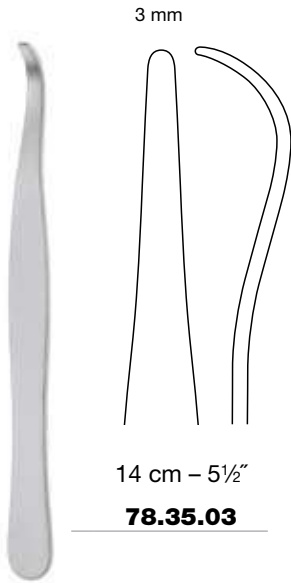
22 cm – 8 $\frac{3}{4}$ "

**76.59.22**

**Perthes**

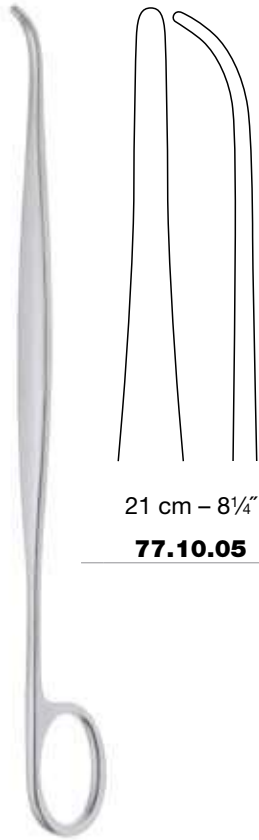


**Knochenhebel**  
**Bone Levers**  
**Elevadores para hueso**  
**Leviers à os**  
**Elevatori per ossa**



**Buck-Gramcko**

**Knochenheber  
Bone Levers  
Elevadores para hueso  
Leviers à os  
Elevatori per ossa**

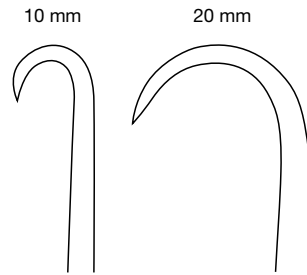


21 cm – 8¼"  
**77.10.05**

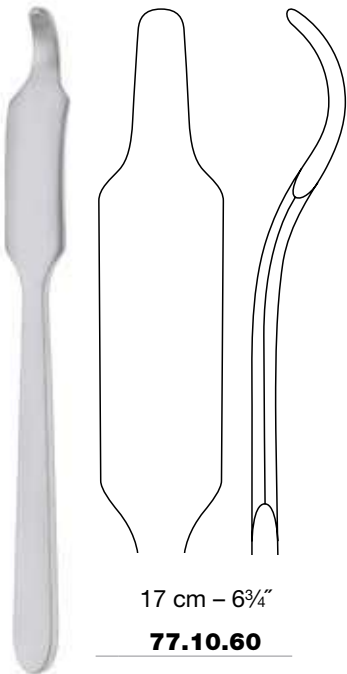
**Lane**



**Dingman**



10 mm      20 mm  
18 cm – 7½"      17 cm – 6¾"  
**77.10.10**      **77.10.20**



17 mm

17 cm – 6¾"  
**77.10.60**

**Lange-Baby**



30 mm

27 cm – 10¾"  
**77.10.50**

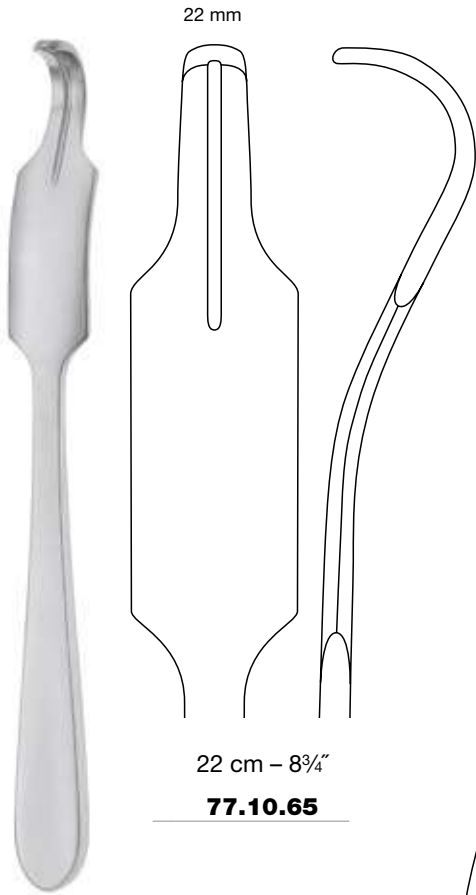
**Lambotte**

*weeks the food rations had been far too scant. Several infants had*

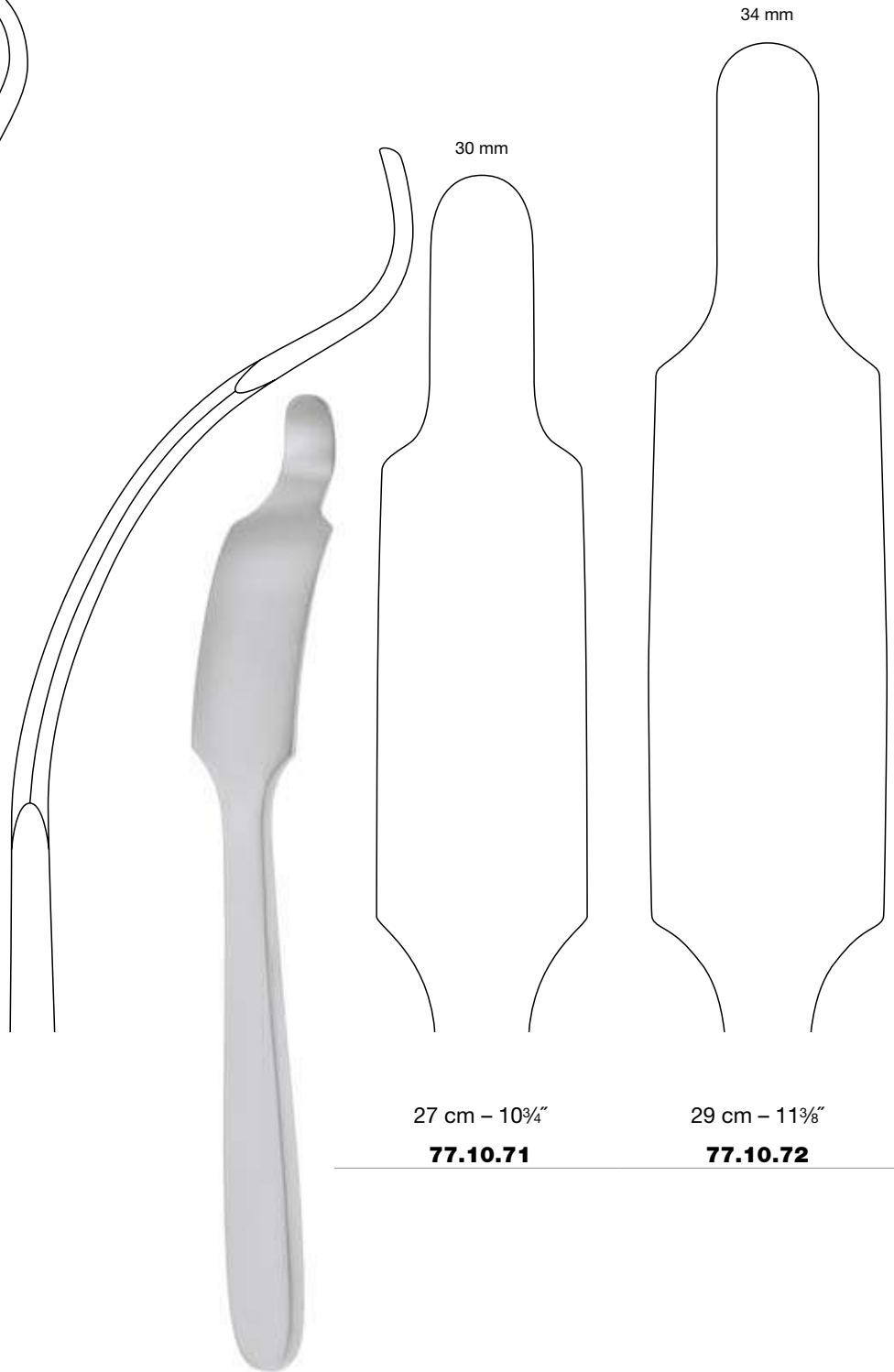




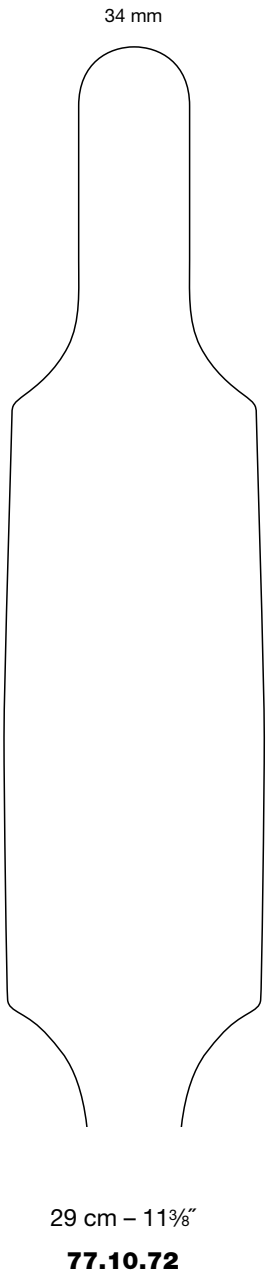
**Knochenhebel  
Bone Levers  
Elevadores para hueso  
Leviers à os  
Elevatori per ossa**



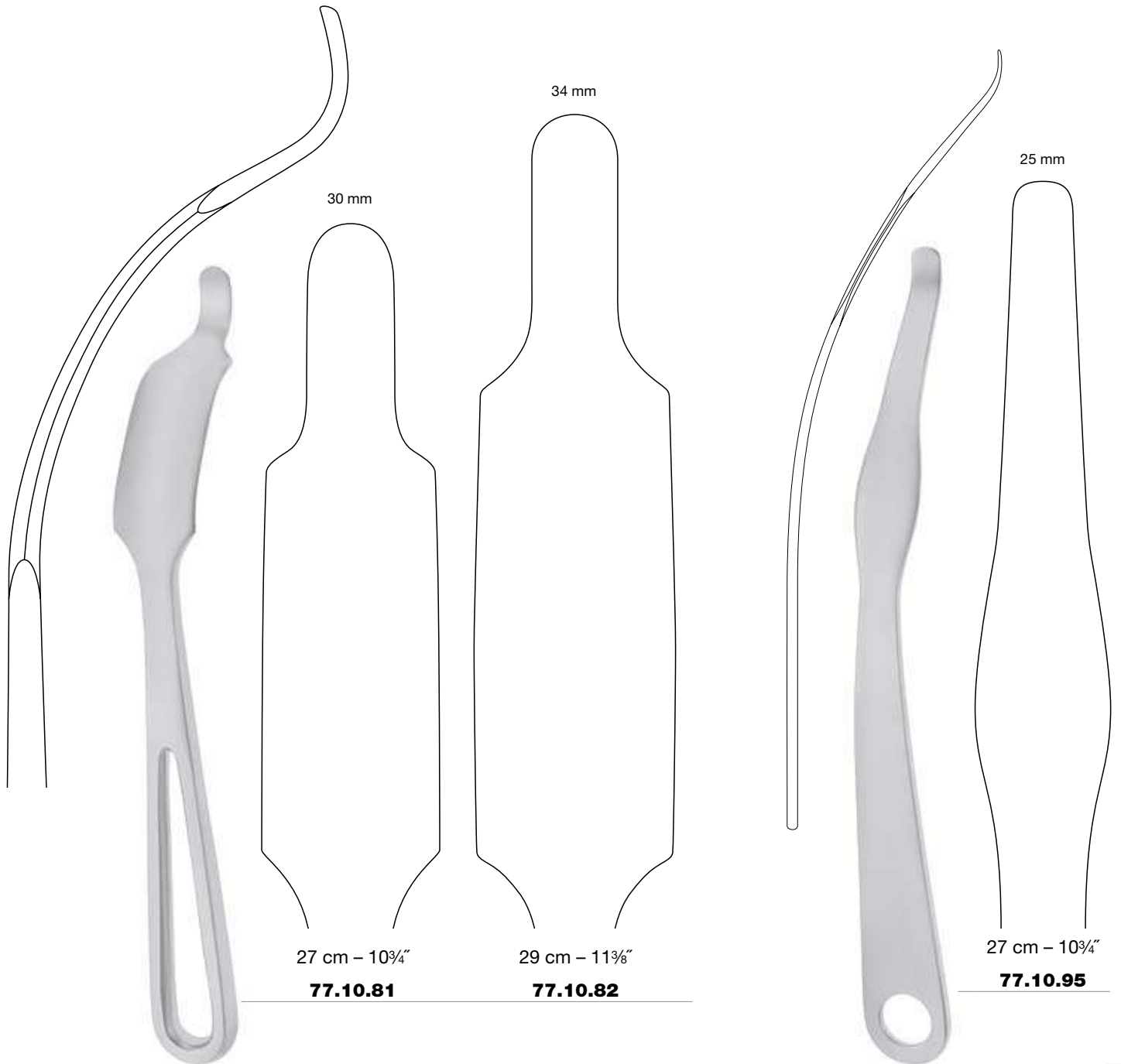
**Lange**



**Lange-Hohmann**



**Knochenhebel  
Bone Levers  
Elevadores para hueso  
Leviers à os  
Elevatori per ossa**



**Lange-Hohmann modif.**

27 cm - 10<sup>3</sup>/<sub>4</sub>"

**77.10.81**

34 mm

29 cm - 11<sup>3</sup>/<sub>8</sub>"

**77.10.82**

25 mm

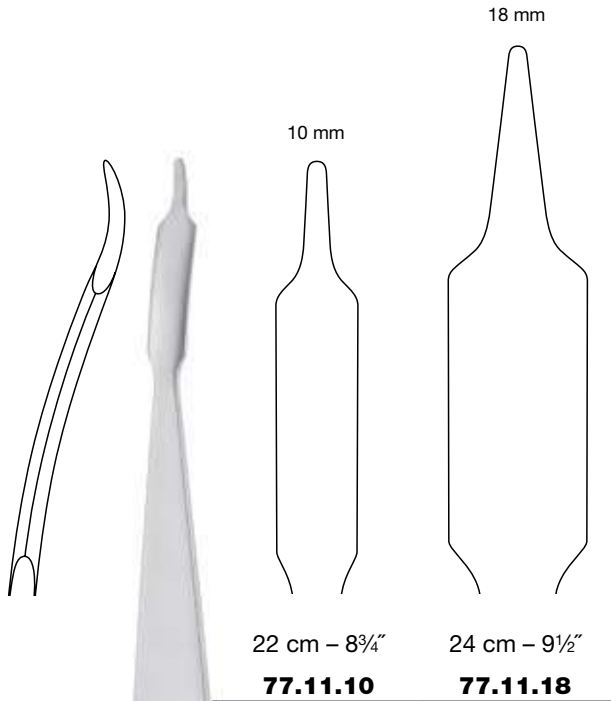
27 cm - 10<sup>3</sup>/<sub>4</sub>"

**77.10.95**

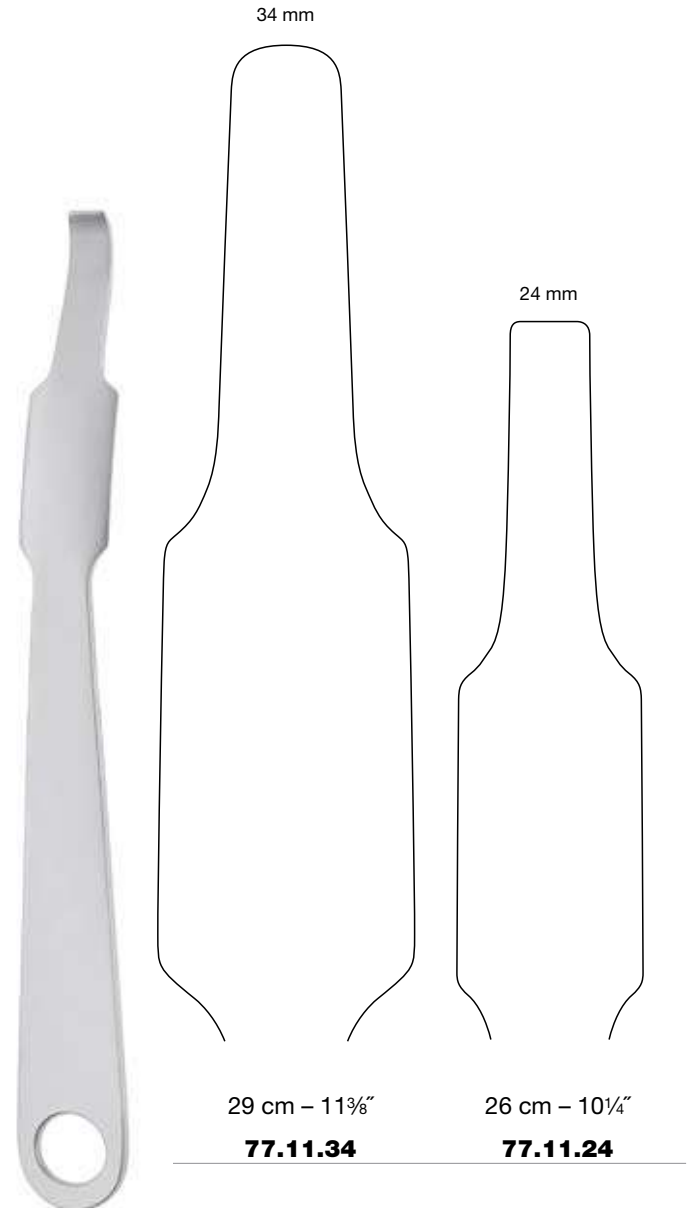
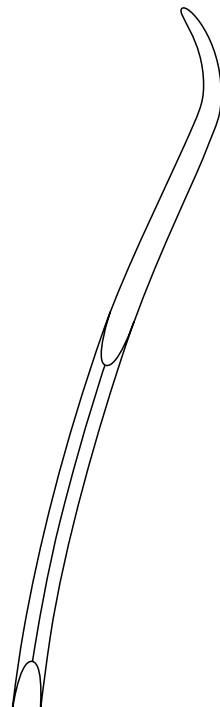
*were not successful in keeping the anarchy at bay. The streets were*



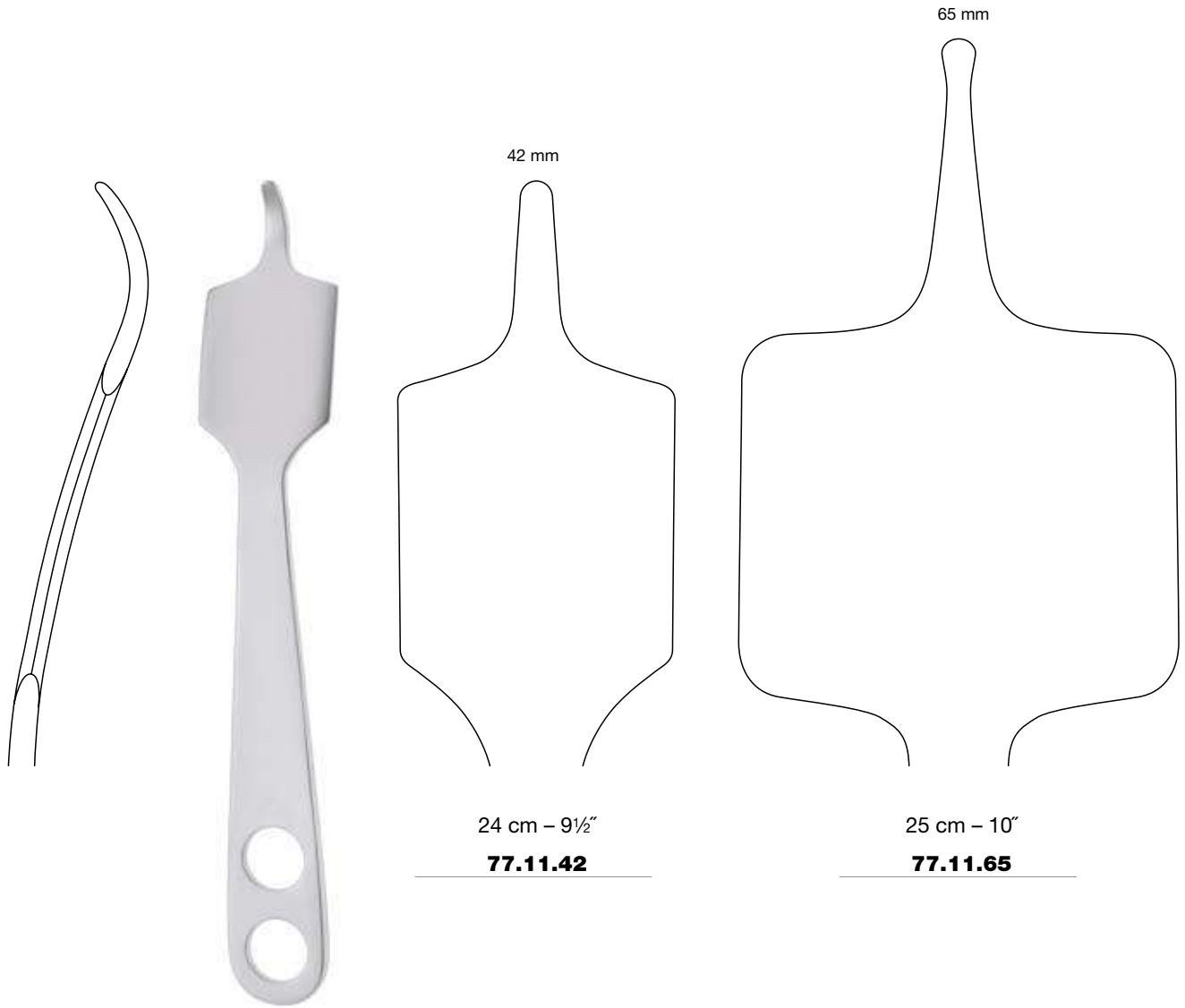
**Knochenheber  
Bone Levers  
Elevadores para hueso  
Leviers à os  
Elevatori per ossa**



**Hohmann**



**Hohmann**



**Verbrugge-Hohmann**



**Knochenhebel**  
**Bone Levers**  
**Elevadores para hueso**  
**Leviers à os**  
**Elevatori per ossa**



31 cm - 12 1/8"

**77.11.93**

**Murphy-Lane**



65 mm

45 mm

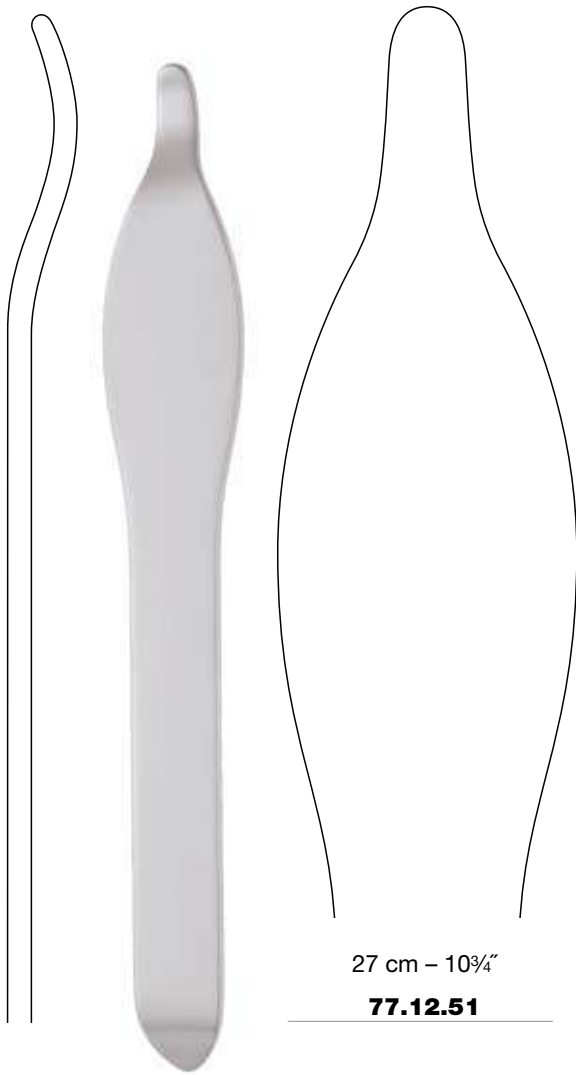
24 cm - 9 1/2"

**77.12.06**

24 cm - 9 1/2"

**77.12.04**

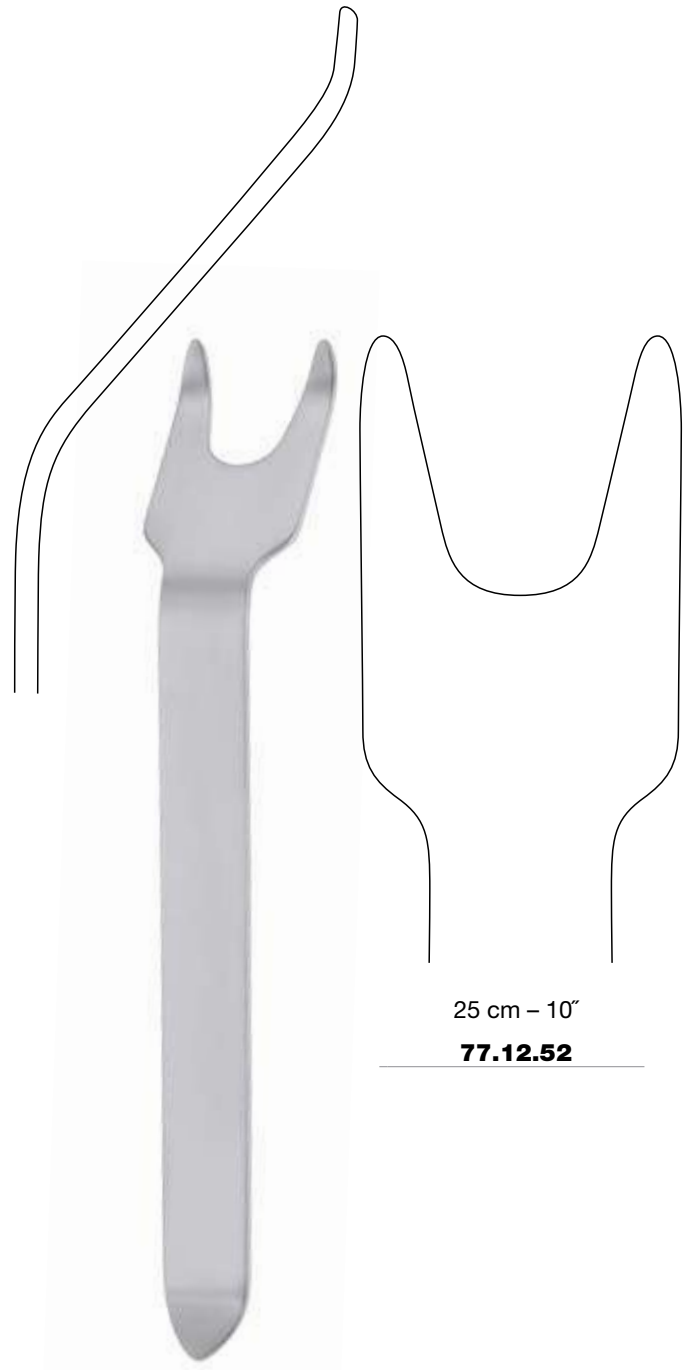
**Bennett**



27 cm - 10<sup>3</sup>/<sub>4</sub>"

**77.12.51**

**Blount**



25 cm - 10"

**77.12.52**

















**Blount**

*were stormed a week later from both sides. Lee did not hesitate in*



**Schraubendrehereinsätze, auswechselbar**  
**Screwdriver inserts, interchangeable**  
**Insertos para atornilladores, intercambiables**  
**Inserts pour tournevis, interchangeables**  
**Insertos per cacciavite, intercambiabile**

Schraubendrehereinsätze  
 Screwdriver inserts  
 Insertos para atornilladores  
 Inserts pour tournevis  
 Inserti per cacciavite

	<b>75.22.62</b>		flach flat plano plat piatto
	<b>75.22.63</b>		Kreuzschlitz Cross-slot en cruz fente en croix per viti a croce
	<b>75.22.64</b>		Phillips klein Phillips small Phillips pequeño Phillips petit Phillips piccolo
	<b>75.22.65</b>		Phillips groß Phillips large Phillips grande Phillips grand Phillips grande
	<b>75.22.66</b>		Sechskant 1,5 mm hexagon 1,5 mm hexágono 1,5 mm hexagonal 1,5 mm esagono 1,5 mm
	<b>75.22.67</b>		Sechskant 2,5 mm hexagon 2,5 mm hexágono 2,5 mm hexagonal 2,5 mm esagono 2,5 mm
	<b>75.22.68</b>		Sechskant 3,5 mm hexagon 3,5 mm hexágono 3,5 mm hexagonal 3,5 mm esagono 3,5 mm
	<b>75.22.69</b>		Sechskant 4,5 mm hexagon 4,5 mm hexágono 4,5 mm hexagonal 4,5 mm esagono 4,5 mm



Schraubendrehergriff  
 Screwdriver handle  
 Mango para atornillador  
 Manche pour tournevis  
 Manico per cacciavite



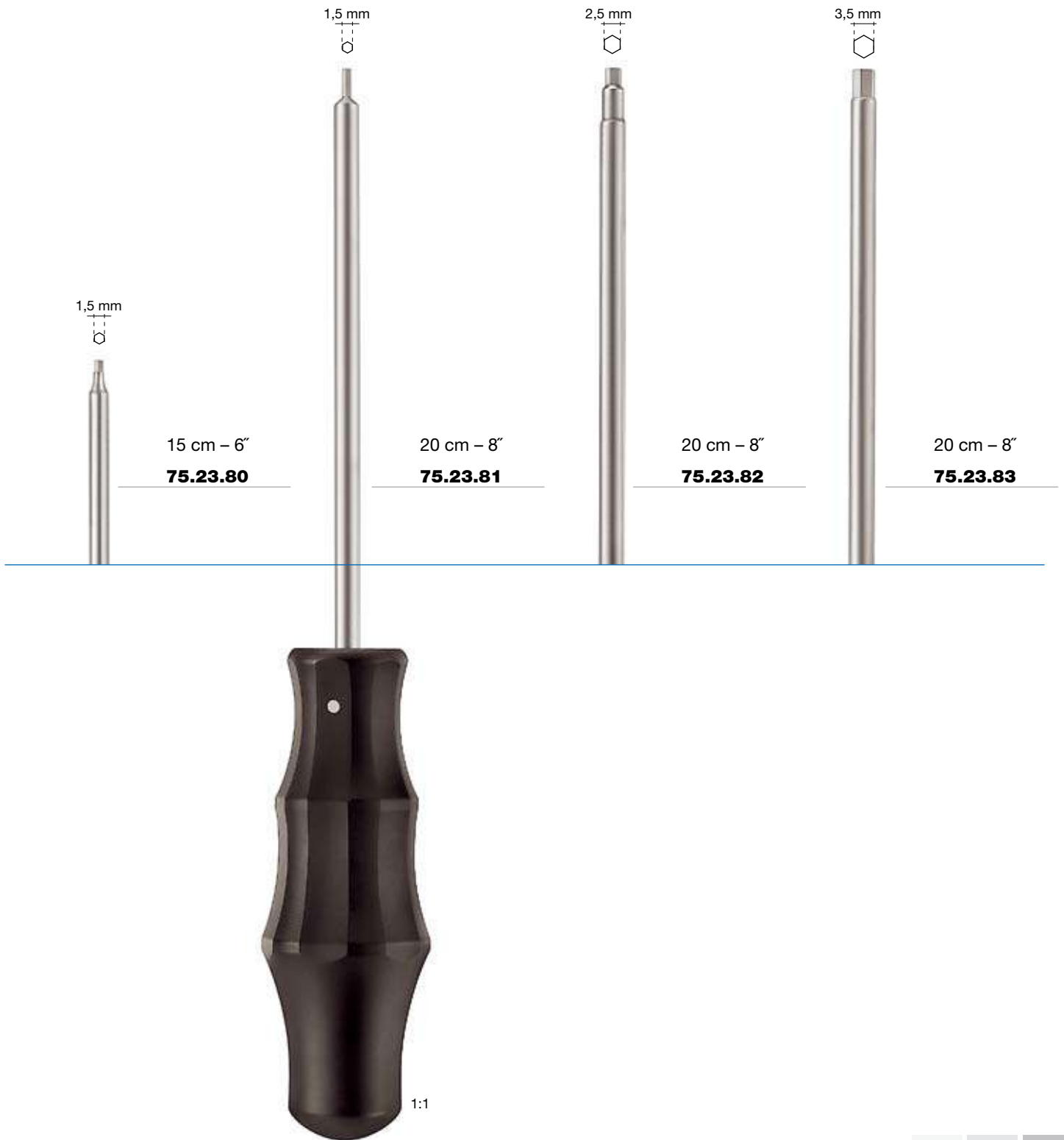
75.22.61



**75.22.60**

Schraubendreher-Satz  
 Screwdriver set  
 Juego de atornillador  
 Jeu de tournevis  
 Set di cacciavite







**Messinstrumente**  
**Measuring Instruments**  
**Instrumentos de medida**  
**Instrumenti de mesura**  
**Strumenti per misurazione**



1,5 m

**44.35.15**

Leinen-Bandmaß, graduert in cm und Zoll  
 Tape measure, linen, graduated in cm and inches  
 Cinta métrica de tela, graduada en cm y pulgadas  
 Mètre à ruban en toile, graduée en cm et pouces  
 Nastro metrico di tela, graduato in cm e pollici

2 m

**44.36.20**

Stahl-Bandmaß, graduert in cm und Zoll  
 Tape measure, steel, graduated in cm and inches  
 Cinta métrica de metal, graduado en cm y pulgadas  
 Mètre à ruban en acier, graduée en cm et pouces  
 Nastro metrico d'acciaio, graduato in cm e pollici

Stahl-Messstäbe, rostfrei  
 Ruler, stainless steel  
 Reglas de acero inoxidable  
 Règles en acier inoxydable  
 Righe in acciaio inossidabile



graduert in cm und Zoll  
 graduated in cm and inches  
 graduado en cm y pulgadas  
 graduée en cm et pouces  
 graduate in cm e pollici

15 cm – 6"

**44.37.15**

20 cm – 8"

**44.37.20**

30 cm – 11<sup>3</sup>/<sub>4</sub>"

**44.37.30**

50 cm – 19<sup>3</sup>/<sub>4</sub>"

**44.37.50**

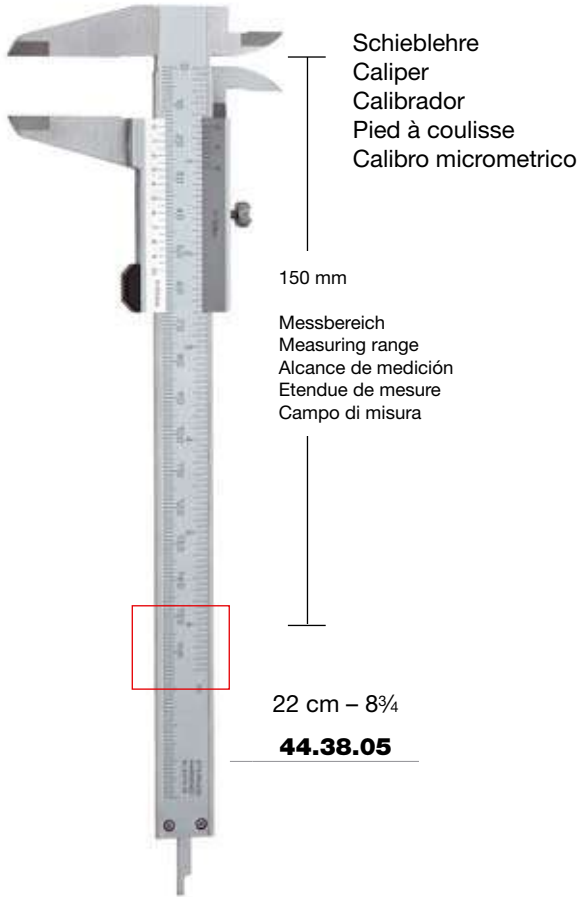
Aesthesiometer  
 Aesthesiometer  
 Estesiómetro  
 Estésiometre  
 Estesiometro



9 cm – 3<sup>1</sup>/<sub>2</sub>"

**44.30.20**

**Weber**



Schieblehre  
Caliper  
Calibrador  
Pied à coulisse  
Calibro micrometrico

150 mm

Messbereich  
Measuring range  
Alcance de medición  
Etendue de mesure  
Campo di misura

22 cm – 8¾"

**44.38.05**

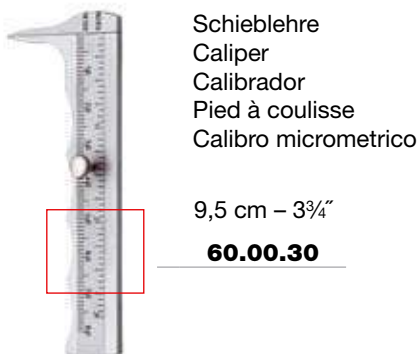


zusammenlegbar  
folding  
plegable  
pliable  
pieghevole

Winkelmesser  
Flexometer  
Goniómetro  
Goniomètre  
Goniometro

**44.38.10**

**Möltgen**



Schieblehre  
Caliper  
Calibrador  
Pied à coulisse  
Calibro micrometrico

9,5 cm – 3¾"

**60.00.30**

**Jameson**

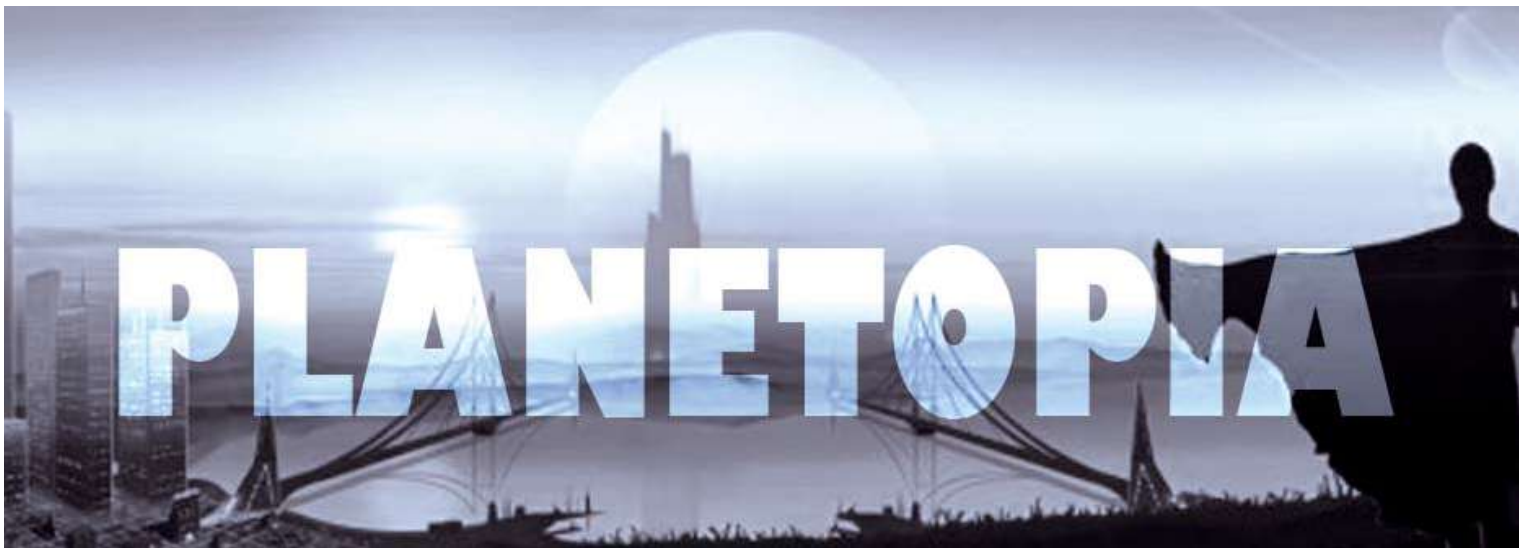


Finger-Goniometer  
Finger goniometer  
Goniómetro para dedos  
Goniomètre pour doigts de mains  
Goniometro per le dita

**44.38.30**



graduiert in mm und Zoll  
graduated in mm and inches  
graduado en mm y pulgadas  
graduée en mm et pouces  
graduato in mm e pollici



artificial coma. Phase Orange of the crisis plan took effect. Lee no longer trusted anyone. One after the other was brought to the secret research complex. Also the personnel from the upper and mid levels. Lee trusted the workers from the communication headquarters and the research complex just as little; only Tanja was spared his mistrust. A chip prototype from the secret research complex was fitted to everyone's cerebrum and linked to neurons. Surgery was no longer required. The chip was shot directly into the brain with a particle accelerator. This meant that the head had to be scanned to measure the brain. The density of the various substances was then evaluated. The energy required to place the chip with millimetre accuracy was calculated from this data. Now it was possible to observe, abort and manipulate thought patterns. Now the reconfigured communication and surveillance headquarters had direct influence and access to every individual. This was undertaken by a higher power computer named E.F.A. that was equipped with artificial intelligence. Another chip was implanted in the spinal cord. This was placed in the tissue in the same way. This allowed manipulation of the nervous system. A person could simply be switched off

and put into

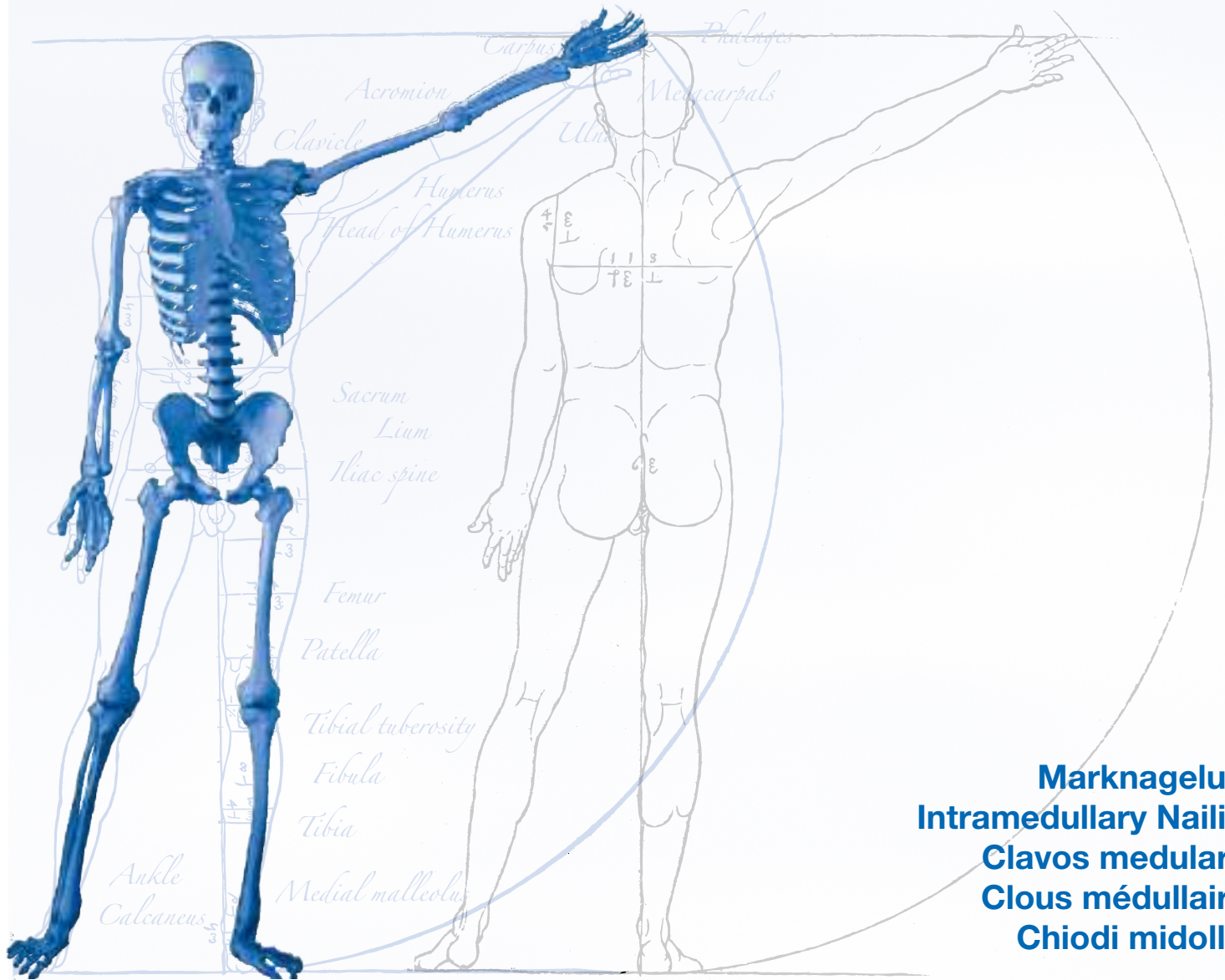
REM sleep

or remotely

controlled like a robot. The physical strength

# ORTHO PAEDICS

## IMPLANTS AND INSTRUMENTS



**Marknagelung**  
**Intramedullary Nailing**  
**Clavos medulares**  
**Clous médullaires**  
**Chiodi midollari**



**Ender Marknagelung**  
**Ender Intramedullary Nailing**  
**Ender Clavos medulares**  
**Ender Clous médullaires**  
**Ender Chiodi midollari**



**Ender**

	Ø 4,5 mm
30 cm – 11 <sup>3</sup> / <sub>4</sub> "	<b>75.66.30</b>
31 cm – 12 <sup>3</sup> / <sub>8</sub> "	<b>75.66.31</b>
32 cm – 12 <sup>1</sup> / <sub>2</sub> "	<b>75.66.32</b>
33 cm – 13"	<b>75.66.33</b>
34 cm – 13 <sup>3</sup> / <sub>8</sub> "	<b>75.66.34</b>
35 cm – 13 <sup>3</sup> / <sub>4</sub> "	<b>75.66.35</b>
36 cm – 14 <sup>1</sup> / <sub>8</sub> "	<b>75.66.36</b>
37 cm – 14 <sup>1</sup> / <sub>2</sub> "	<b>75.66.37</b>
38 cm – 15"	<b>75.66.38</b>
39 cm – 15 <sup>3</sup> / <sub>8</sub> "	<b>75.66.39</b>
40 cm – 15 <sup>3</sup> / <sub>4</sub> "	<b>75.66.40</b>
41 cm – 16 <sup>1</sup> / <sub>8</sub> "	<b>75.66.41</b>
42 cm – 16 <sup>1</sup> / <sub>2</sub> "	<b>75.66.42</b>
43 cm – 17"	<b>75.66.43</b>
44 cm – 17 <sup>1</sup> / <sub>2</sub> "	<b>75.66.44</b>
45 cm – 17 <sup>3</sup> / <sub>4</sub> "	<b>75.66.45</b>
46 cm – 18 <sup>1</sup> / <sub>8</sub> "	<b>75.66.46</b>
47 cm – 18 <sup>1</sup> / <sub>2</sub> "	<b>75.66.47</b>
48 cm – 19"	<b>75.66.48</b>
49 cm – 19 <sup>1</sup> / <sub>4</sub> "	<b>75.66.49</b>



**75.66.05**

Einbringinstrument  
Inserting instrument  
Instrumento para insertar  
Instrument pour insertion  
Strumento da inserire

Für, for, para, pour, per 75.66.30 - 49



**75.66.06**

Einschläger  
Impactor  
Impacteur  
Inseritore



**Ender Marknagelung**  
**Ender Intramedullary Nailing**  
**Ender Clavos medulares**  
**Ender Clous médullaires**  
**Ender Chiodi midollari**



**75.66.07**

Einschläger/Ausschläger  
Impactor/extractor  
Impactor/extractor  
Impacteur/extracteur  
Inseritore/estrattore



**75.66.08**

Extraktionsinstrument  
Extracting instrument  
Instrumento para extracción  
Instrument pour extraction  
Strumento per estrazione



**75.49.53**

Biegehebel  
Bending tool  
Palanca para doblar  
Lever à plier  
Leva piegare

*the lack of manpower. The mortality rate with conventional*





**KÜNTSCHER Marknägel**  
**KÜNTSCHER Intramedullary Nails**  
**KÜNTSCHER Clavos medulares**  
**KÜNTSCHER Clous médullaires**  
**KÜNTSCHER Chiodi midollari**



	Ø 6 mm	Ø 7 mm	Ø 8 mm	Ø 9 mm	Ø 10 mm
22 cm – 8¾"	<b>75.76.22</b>				
24 cm – 9½"	<b>75.76.24</b>				
26 cm – 10¼"	<b>75.76.26</b>	<b>75.77.26</b>	<b>75.78.26</b>		
28 cm – 11"	<b>75.76.28</b>	<b>75.77.28</b>	<b>75.78.28</b>		
30 cm – 11¾"	<b>75.76.30</b>	<b>75.77.30</b>	<b>75.78.30</b>	<b>75.79.30</b>	<b>75.80.30</b>
32 cm – 12½"	<b>75.76.32</b>	<b>75.77.32</b>	<b>75.78.32</b>	<b>75.79.32</b>	<b>75.80.32</b>
34 cm – 13¾"	<b>75.76.34</b>	<b>75.77.34</b>	<b>75.78.34</b>	<b>75.79.34</b>	<b>75.80.34</b>
36 cm – 14⅛"		<b>75.77.36</b>	<b>75.78.36</b>	<b>75.79.36</b>	<b>75.80.36</b>
38 cm – 15"		<b>75.77.38</b>	<b>75.78.38</b>	<b>75.79.38</b>	<b>75.80.38</b>
40 cm – 15¾"		<b>75.77.40</b>	<b>75.78.40</b>	<b>75.79.40</b>	<b>75.80.40</b>
42 cm – 16½"		<b>75.77.42</b>	<b>75.78.42</b>	<b>75.79.42</b>	<b>75.80.42</b>
44 cm – 17½"		<b>75.77.44</b>	<b>75.78.44</b>	<b>75.79.44</b>	<b>75.80.44</b>
46 cm – 18⅛"		<b>75.77.46</b>	<b>75.78.46</b>	<b>75.79.46</b>	<b>75.80.46</b>
48 cm – 19"		<b>75.77.48</b>	<b>75.78.48</b>	<b>75.79.48</b>	<b>75.80.48</b>
50 cm – 19¾"		<b>75.77.50</b>	<b>75.78.50</b>	<b>75.79.50</b>	<b>75.80.50</b>
52 cm – 20½"		<b>75.77.52</b>			



für Oberschenkel  
 for femur  
 para fémur  
 pour fémur  
 per femore

	Ø 11 mm	Ø 12 mm	Ø 13 mm	Ø 14 mm	Ø 15 mm	Ø 16 mm
22 cm – 8¾"						
24 cm – 9½"						
26 cm – 10¼"						
28 cm – 11"						
30 cm – 11¾"	<b>75.81.30</b>					
32 cm – 12½"	<b>75.81.32</b>					
34 cm – 13¾"	<b>75.81.34</b>	<b>75.82.34</b>	<b>75.83.34</b>			
36 cm – 14⅛"	<b>75.81.36</b>	<b>75.82.36</b>	<b>75.83.36</b>	<b>75.84.36</b>	<b>75.85.36</b>	<b>75.86.36</b>
38 cm – 15"	<b>75.81.38</b>	<b>75.82.38</b>	<b>75.83.38</b>	<b>75.84.38</b>	<b>75.85.38</b>	<b>75.86.38</b>
40 cm – 15¾"	<b>75.81.40</b>	<b>75.82.40</b>	<b>75.83.40</b>	<b>75.84.40</b>	<b>75.85.40</b>	<b>75.86.40</b>
42 cm – 16½"	<b>75.81.42</b>	<b>75.82.42</b>	<b>75.83.42</b>	<b>75.84.42</b>	<b>75.85.42</b>	<b>75.86.42</b>
44 cm – 17½"	<b>75.81.44</b>	<b>75.82.44</b>	<b>75.83.44</b>	<b>75.84.44</b>	<b>75.85.44</b>	<b>75.86.44</b>
46 cm – 18⅛"	<b>75.81.46</b>	<b>75.82.46</b>	<b>75.83.46</b>	<b>75.84.46</b>	<b>75.85.46</b>	<b>75.86.46</b>
48 cm – 19"	<b>75.81.48</b>	<b>75.82.48</b>	<b>75.83.48</b>	<b>75.84.48</b>	<b>75.85.48</b>	<b>75.86.48</b>
50 cm – 19¾"	<b>75.81.50</b>	<b>75.82.50</b>	<b>75.83.50</b>			
52 cm – 20½"	<b>75.81.52</b>	<b>75.82.52</b>				

*implantation had been over 23% prior to this innovation.*

**KÜNTSCHER Marknägel**  
**KÜNTSCHER Intramedullary Nails**  
**KÜNTSCHER Clavos medulares**  
**KÜNTSCHER Clous médullaires**  
**KÜNTSCHER Chiodi midollari**



für Unterschenkel/Oberarm  
 for tibia/humerus  
 para tibia/húmero  
 pour tibia/humérus  
 per tibia/omero

	Ø 6 mm	Ø 7 mm	Ø 8 mm	Ø 9 mm	Ø 10 mm	Ø 11 mm	Ø 12 mm	Ø 13 mm	Ø 14 mm
18 cm – 7 <sup>1</sup> / <sub>8</sub> "	<b>75.86.18</b>	<b>75.87.18</b>	<b>75.88.18</b>	<b>75.89.18</b>	<b>75.90.18</b>	<b>75.91.18</b>			
19 cm – 7 <sup>1</sup> / <sub>2</sub> "		<b>75.87.19</b>	<b>75.88.19</b>	<b>75.89.19</b>	<b>75.90.19</b>	<b>75.91.19</b>			
20 cm – 8"	<b>75.86.20</b>	<b>75.87.20</b>	<b>75.88.20</b>	<b>75.89.20</b>	<b>75.90.20</b>	<b>75.91.20</b>			
21 cm – 8 <sup>1</sup> / <sub>4</sub> "		<b>75.87.21</b>	<b>75.88.21</b>	<b>75.89.21</b>	<b>75.90.21</b>	<b>75.91.21</b>			
22 cm – 8 <sup>3</sup> / <sub>4</sub> "	<b>75.86.22</b>	<b>75.87.22</b>	<b>75.88.22</b>	<b>75.89.22</b>	<b>75.90.22</b>	<b>75.91.22</b>			
23 cm – 9"	<b>75.86.23</b>	<b>75.87.23</b>	<b>75.88.23</b>	<b>75.89.23</b>	<b>75.90.23</b>	<b>75.91.23</b>	<b>75.92.23</b>		
24 cm – 9 <sup>1</sup> / <sub>2</sub> "	<b>75.86.24</b>	<b>75.87.24</b>	<b>75.88.24</b>	<b>75.89.24</b>	<b>75.90.24</b>	<b>75.91.24</b>	<b>75.92.24</b>		
25 cm – 10"		<b>75.87.25</b>	<b>75.88.25</b>	<b>75.89.25</b>	<b>75.90.25</b>	<b>75.91.25</b>	<b>75.92.25</b>		
26 cm – 10 <sup>1</sup> / <sub>4</sub> "	<b>75.86.26</b>	<b>75.87.26</b>	<b>75.88.26</b>	<b>75.89.26</b>	<b>75.90.26</b>	<b>75.91.26</b>	<b>75.92.26</b>		
27 cm – 10 <sup>3</sup> / <sub>4</sub> "		<b>75.87.27</b>	<b>75.88.27</b>	<b>75.89.27</b>	<b>75.90.27</b>	<b>75.91.27</b>	<b>75.92.27</b>	<b>75.93.27</b>	
28 cm – 11"	<b>75.86.28</b>	<b>75.87.28</b>	<b>75.88.28</b>	<b>75.89.28</b>	<b>75.90.28</b>	<b>75.91.28</b>	<b>75.92.28</b>	<b>75.93.28</b>	
29 cm – 11 <sup>3</sup> / <sub>8</sub> "		<b>75.87.29</b>	<b>75.88.29</b>	<b>75.89.29</b>	<b>75.90.29</b>	<b>75.91.29</b>	<b>75.92.29</b>	<b>75.93.29</b>	
30 cm – 11 <sup>3</sup> / <sub>4</sub> "	<b>75.86.30</b>	<b>75.87.30</b>	<b>75.88.30</b>	<b>75.89.30</b>	<b>75.90.30</b>	<b>75.91.30</b>	<b>75.92.30</b>	<b>75.93.30</b>	<b>75.94.30</b>
31 cm – 12 <sup>1</sup> / <sub>8</sub> "		<b>75.87.31</b>	<b>75.88.31</b>	<b>75.89.31</b>	<b>75.90.31</b>	<b>75.91.31</b>	<b>75.92.31</b>	<b>75.93.31</b>	<b>75.94.31</b>
32 cm – 12 <sup>1</sup> / <sub>2</sub> "		<b>75.87.32</b>	<b>75.88.32</b>	<b>75.89.32</b>	<b>75.90.32</b>	<b>75.91.32</b>	<b>75.92.32</b>	<b>75.93.32</b>	<b>75.94.32</b>
33 cm – 13"		<b>75.87.33</b>	<b>75.88.33</b>	<b>75.89.33</b>	<b>75.90.33</b>	<b>75.91.33</b>	<b>75.92.33</b>	<b>75.93.33</b>	<b>75.94.33</b>
34 cm – 13 <sup>3</sup> / <sub>8</sub> "		<b>75.87.34</b>	<b>75.88.34</b>	<b>75.89.34</b>	<b>75.90.34</b>	<b>75.91.34</b>	<b>75.92.34</b>	<b>75.93.34</b>	<b>75.94.34</b>
35 cm – 13 <sup>3</sup> / <sub>4</sub> "		<b>75.87.35</b>	<b>75.88.35</b>	<b>75.89.35</b>	<b>75.90.35</b>	<b>75.91.35</b>	<b>75.92.35</b>	<b>75.93.35</b>	<b>75.94.35</b>
36 cm – 14 <sup>1</sup> / <sub>8</sub> "		<b>75.87.36</b>	<b>75.88.36</b>	<b>75.89.36</b>	<b>75.90.36</b>	<b>75.91.36</b>	<b>75.92.36</b>	<b>75.93.36</b>	<b>75.94.36</b>
37 cm – 14 <sup>1</sup> / <sub>2</sub> "		<b>75.87.37</b>	<b>75.88.37</b>	<b>75.89.37</b>	<b>75.90.37</b>	<b>75.91.37</b>	<b>75.92.37</b>	<b>75.93.37</b>	<b>75.94.37</b>
38 cm – 15"		<b>75.87.38</b>	<b>75.88.38</b>	<b>75.89.38</b>	<b>75.90.38</b>	<b>75.91.38</b>	<b>75.92.38</b>	<b>75.93.38</b>	<b>75.94.38</b>
39 cm – 15 <sup>3</sup> / <sub>8</sub> "		<b>75.87.39</b>	<b>75.88.39</b>	<b>75.89.39</b>	<b>75.90.39</b>	<b>75.91.39</b>	<b>75.92.39</b>	<b>75.93.39</b>	<b>75.94.39</b>
40 cm – 15 <sup>3</sup> / <sub>4</sub> "		<b>75.87.40</b>	<b>75.88.40</b>	<b>75.89.40</b>	<b>75.90.40</b>	<b>75.91.40</b>	<b>75.92.40</b>	<b>75.93.40</b>	<b>75.94.40</b>



**KÜNTSCHER Marknägel**  
**KÜNTSCHER Intramedullary Nails**  
**KÜNTSCHER Clavos medulares**  
**KÜNTSCHER Clous médullaires**  
**KÜNTSCHER Chiodi midollari**



	Ø 6 mm	Ø 7 mm	Ø 8 mm	Ø 9 mm	Ø 10 mm	Ø 11 mm
18 cm – 7 <sup>1</sup> / <sub>8</sub> "	<b>75.50.18</b>	<b>75.51.18</b>				
20 cm – 8"	<b>75.50.20</b>	<b>75.51.20</b>				
22 cm – 8 <sup>3</sup> / <sub>4</sub> "	<b>75.50.22</b>	<b>75.51.22</b>				
24 cm – 9 <sup>1</sup> / <sub>2</sub> "	<b>75.50.24</b>	<b>75.51.24</b>	<b>75.52.24</b>			
26 cm – 10 <sup>1</sup> / <sub>4</sub> "	<b>75.50.26</b>	<b>75.51.26</b>	<b>75.52.26</b>			
28 cm – 11"	<b>75.50.28</b>	<b>75.51.28</b>	<b>75.52.28</b>			
30 cm – 11 <sup>3</sup> / <sub>4</sub> "	<b>75.50.30</b>	<b>75.51.30</b>	<b>75.52.30</b>	<b>75.53.30</b>		
32 cm – 12 <sup>1</sup> / <sub>2</sub> "	<b>75.50.32</b>	<b>75.51.32</b>	<b>75.52.32</b>	<b>75.53.32</b>	<b>75.54.32</b>	<b>75.55.32</b>
34 cm – 13 <sup>3</sup> / <sub>8</sub> "	<b>75.50.34</b>	<b>75.51.34</b>	<b>75.52.34</b>	<b>75.53.34</b>	<b>75.54.34</b>	<b>75.55.34</b>
36 cm – 14 <sup>1</sup> / <sub>8</sub> "	<b>75.50.36</b>	<b>75.51.36</b>	<b>75.52.36</b>	<b>75.53.36</b>	<b>75.54.36</b>	<b>75.55.36</b>
38 cm – 15"		<b>75.51.38</b>	<b>75.52.38</b>	<b>75.53.38</b>	<b>75.54.38</b>	<b>75.55.38</b>
40 cm – 15 <sup>3</sup> / <sub>4</sub> "		<b>75.51.40</b>	<b>75.52.40</b>	<b>75.53.40</b>	<b>75.54.40</b>	<b>75.55.40</b>
42 cm – 16 <sup>1</sup> / <sub>2</sub> "			<b>75.52.42</b>	<b>75.53.42</b>	<b>75.54.42</b>	<b>75.55.42</b>
44 cm – 17 <sup>1</sup> / <sub>2</sub> "			<b>75.52.44</b>	<b>75.53.44</b>	<b>75.54.44</b>	<b>75.55.44</b>
46 cm – 18 <sup>1</sup> / <sub>8</sub> "			<b>75.52.46</b>	<b>75.53.46</b>	<b>75.54.46</b>	<b>75.55.46</b>
48 cm – 19"			<b>75.52.48</b>	<b>75.53.48</b>	<b>75.54.48</b>	<b>75.55.48</b>
50 cm – 19 <sup>3</sup> / <sub>4</sub> "			<b>75.52.50</b>	<b>75.53.50</b>	<b>75.54.50</b>	<b>75.55.50</b>
52 cm – 20 <sup>1</sup> / <sub>2</sub> "				<b>75.53.52</b>	<b>75.54.52</b>	<b>75.55.52</b>



für Oberschenkel/Unterarm  
 for femur/forearm  
 para fémur/antebrazo  
 pour fémur/avant-bras  
 per femore/avambraccio

	Ø 12 mm	Ø 13 mm	Ø 14 mm	Ø 15 mm	Ø 16 mm	Ø 17 mm	Ø 18 mm
34 cm – 13 <sup>3</sup> / <sub>8</sub> "	<b>75.56.34</b>	<b>75.57.34</b>	<b>75.58.34</b>				
36 cm – 14 <sup>1</sup> / <sub>8</sub> "	<b>75.56.36</b>	<b>75.57.36</b>	<b>75.58.36</b>	<b>75.59.36</b>	<b>75.60.36</b>	<b>75.61.36</b>	<b>75.62.36</b>
38 cm – 15"	<b>75.56.38</b>	<b>75.57.38</b>	<b>75.58.38</b>	<b>75.59.38</b>	<b>75.60.38</b>	<b>75.61.38</b>	<b>75.62.38</b>
40 cm – 15 <sup>3</sup> / <sub>4</sub> "	<b>75.56.40</b>	<b>75.57.40</b>	<b>75.58.40</b>	<b>75.59.40</b>	<b>75.60.40</b>	<b>75.61.40</b>	<b>75.62.40</b>
42 cm – 16 <sup>1</sup> / <sub>2</sub> "	<b>75.56.42</b>	<b>75.57.42</b>	<b>75.58.42</b>	<b>75.59.42</b>	<b>75.60.42</b>	<b>75.61.42</b>	<b>75.62.42</b>
44 cm – 17 <sup>1</sup> / <sub>2</sub> "	<b>75.56.44</b>	<b>75.57.44</b>	<b>75.58.44</b>	<b>75.59.44</b>	<b>75.60.44</b>	<b>75.61.44</b>	<b>75.62.44</b>
46 cm – 18 <sup>1</sup> / <sub>8</sub> "	<b>75.56.46</b>	<b>75.57.46</b>	<b>75.58.46</b>	<b>75.59.46</b>	<b>75.60.46</b>	<b>75.61.46</b>	<b>75.62.46</b>
48 cm – 19"	<b>75.56.48</b>	<b>75.57.48</b>	<b>75.58.48</b>	<b>75.59.48</b>	<b>75.60.48</b>	<b>75.61.48</b>	<b>75.62.48</b>
50 cm – 19 <sup>3</sup> / <sub>4</sub> "	<b>75.56.50</b>	<b>75.57.50</b>	<b>75.58.50</b>	<b>75.59.50</b>	<b>75.60.50</b>	<b>75.61.50</b>	<b>75.62.50</b>
52 cm – 20 <sup>1</sup> / <sub>2</sub> "	<b>75.56.52</b>	<b>75.57.52</b>	<b>75.58.52</b>	<b>75.59.52</b>	<b>75.60.52</b>	<b>75.61.52</b>	<b>75.62.52</b>

**Markraumbohrer  
Medullary Reamers  
Perforadoras medulares  
Alésoirs médullaires  
Perforatori midollari**



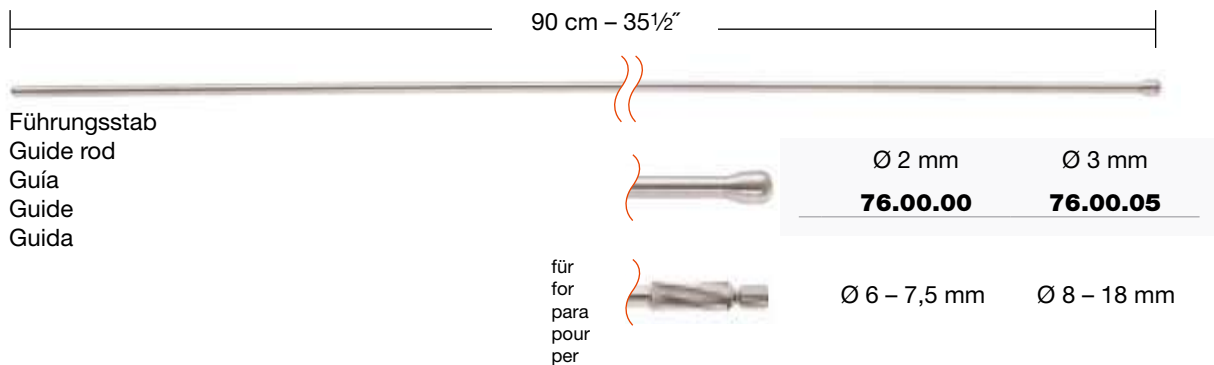
1:3

flexibel  
flexible  
flexible  
flexible  
flessibile

Hudson Anschluss  
Connection Hudson  
Conexión Hudson  
Raccord Hudson  
Attacco Hudson

Ø 6 mm	Ø 6,5 mm	Ø 7 mm	Ø 7,5 mm	Ø 8 mm	Ø 8,5 mm	Ø 9 mm	Ø 9,5 mm
<b>76.00.10</b>	<b>76.00.12</b>	<b>76.00.14</b>	<b>76.00.16</b>	<b>76.00.18</b>	<b>76.00.20</b>	<b>76.00.22</b>	<b>76.00.24</b>
Ø 10 mm	Ø 10,5 mm	Ø 11 mm	Ø 11,5 mm	Ø 12 mm	Ø 12,5 mm	Ø 13 mm	Ø 13,5 mm
<b>76.00.26</b>	<b>76.00.28</b>	<b>76.00.30</b>	<b>76.00.32</b>	<b>76.00.34</b>	<b>76.00.36</b>	<b>76.00.38</b>	<b>76.00.40</b>
Ø 14 mm	Ø 14,5 mm	Ø 15 mm	Ø 15,5 mm	Ø 16 mm	Ø 16,5 mm	Ø 17 mm	Ø 17,5 mm
<b>76.00.42</b>	<b>76.00.44</b>	<b>76.00.46</b>	<b>76.00.48</b>	<b>76.00.50</b>	<b>76.00.52</b>	<b>76.00.54</b>	<b>76.00.56</b>
							<b>76.00.58</b>

Auf Anfrage auch mit anderen Anschlüssen lieferbar!  
On request also available with different sockets!  
Otras conexiones están disponibles a petición!  
Sur demande disponible avec différents embouts!  
Su richiesta, disponibile anche con altri attacchi!



Vorbohrer  
Reamers  
Perforadores  
Alésoirs  
Perforatori

1:4



**Küntscher**

Ø 6 mm	Ø 7 mm	Ø 8 mm	Ø 9 mm	Ø 10 mm
<b>75.95.06</b>	<b>75.95.07</b>	<b>75.95.08</b>	<b>75.95.09</b>	<b>75.95.10</b>
Ø 11 mm	Ø 12 mm	Ø 13 mm	Ø 14 mm	Ø 15 mm
<b>75.95.11</b>	<b>75.95.12</b>	<b>75.95.13</b>	<b>75.95.14</b>	<b>75.95.15</b>
				<b>75.95.16</b>



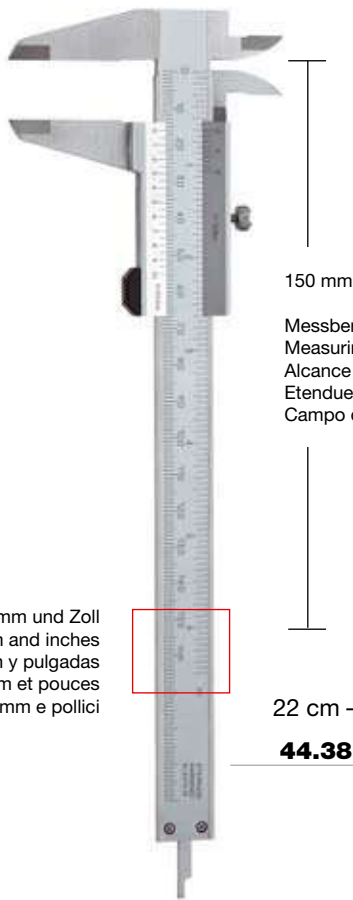
**Instrumente zur Marknagelung**  
**Instruments for intramedullary nailing**  
**Instrumentos para fijación intramedular**  
**Instrumentos pour enclouage centromédullaire**  
**Strumenti per inchiodamento endomidollare**



**75.95.00**

Lochlehre für Marknägel und Bohrer  
 Plug gauge for intramedullary nails and reamers  
 Calibre con orificios para clavos y perforadores  
 Matrice pour clous et forets  
 Calibro con fori per chiodi midollari e trapano

Schieblehre  
 Caliper  
 Calibrador  
 Pied à coulisse  
 Calibro micrometrico



150 mm

Messbereich:  
 Measuring range:  
 Alcance de medición:  
 Etendue de mesure:  
 Campo di misura:

graduiert in mm und Zoll  
 graduated in mm and inches  
 graduado en mm y pulgadas  
 graduée en mm et pouces  
 graduate in mm e pollici

22 cm – 8¾

**44.38.05**

30 cm – 11¾"

**44.37.30**

50 cm – 19¾"

**44.37.50**

Stahl-Messstäbe, rostfrei  
 Ruler, stainless steel  
 Reglas de acero inoxidable  
 Règles en acier inoxydable  
 Righe in acciaio inossidabile



1:4

graduiert in cm und Zoll  
 graduated in cm and inches  
 graduado en cm y pulgadas  
 graduée en cm et pouces  
 graduate in cm e pollici

**Instrumente zur Marknagelung**  
**Instruments for intramedullary nailing**  
**Instrumentos para fijación intramedular**  
**Instrumentes pour enclouage centromédullaire**  
**Strumenti per inchiodamento endomidollare**



Vorbohrer (Pfriem) zum Öffnen der Markhöhle  
 Awls for opening the medullary cavity  
 Perforadores para abrir la cavidad de la médula ósea  
 Perforateurs initial (alène) pour ouvrir la cavité médullaire  
 Trivelli (lesina) per l'apertura della cavità midollare



28 cm – 11"      28 cm – 11"  
**75.95.21**      **75.95.22**

Ø 8 mm      Ø 10 mm  
 für Unterschenkel  
 for tibia  
 para tibia  
 pour tibia  
 per tibia      für Oberschenkel  
 for femur  
 para fémur  
 pour fémur  
 per femore

**Küntscher**

Bohrer (Aufreiber) mit Rinne für Führungsspieß  
 Reamer, fluted, for passing the guide pin  
 Broca con canal para espiga de guía  
 Perforateur (alésoir) avec conduit pour guide-clous  
 Trapano con scanalatura per asta di guida

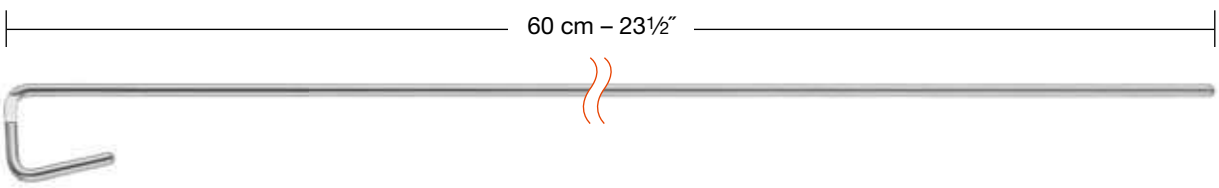


36 cm – 14 1/8"  
**75.95.25**

für Oberschenkel  
 for femur  
 para fémur  
 pour fémur  
 per femore

**Küntscher**

Führungsspieß  
 Guide pin  
 Espiga de guía  
 Guide-clous  
 Asta di guida



60 cm – 23 1/2"

<b>75.95.32</b> Ø 3 mm	<b>75.95.33</b> Ø 3,5 mm	<b>75.95.34</b> Ø 4 mm	<b>75.95.35</b> Ø 5 mm
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für Nägel for nails para clavos pour clous per chiodi	Ø 6 – 8 mm	Ø 9 – 10 mm	Ø 10 – 11 mm	Ø 11 – 17 mm
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*everything under control...?": Tanja, pale as a sheet: "...I hope*



**Instrumente zur Marknagelung**  
**Instruments for intramedullary nailing**  
**Instrumentos para fijación intramedular**  
**Instrumentos pour enclouage centromédullaire**  
**Strumenti per inchiodamento endomidollare**

Vorschläger  
 Nail drivers  
 Impactores  
 Chasse-clous  
 Cacciachiodi



Ø 20 mm

**75.95.51**  
**Küntscher**



**Küntscher**

für Nägel  
 for nails  
 para clavos  
 pour clous  
 per chiodi

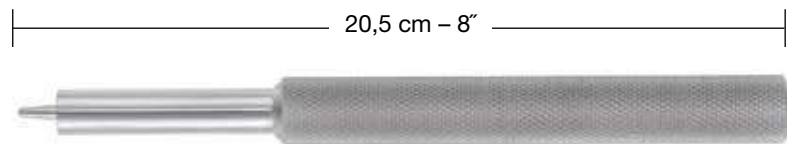
<b>75.95.53</b> Ø 21 mm	<b>75.95.54</b> Ø 17 mm	<b>75.95.55</b> Ø 12,5 mm
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Ø 12 - 17 mm

Ø 9 - 12 mm

Ø 6 - 9 mm

Fertigschläger  
 Nail impactors  
 Impactores  
 Enclumes  
 Impattatore



**Küntscher**

für Nägel  
 for nails  
 para clavos  
 pour clous  
 per chiodi

<b>75.95.57</b> Ø 10 mm	<b>75.95.58</b> Ø 16 mm	<b>75.95.59</b> Ø 20 mm
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Ø 6 - 8 mm

Ø 9 - 12 mm

Ø 12 - 17 mm





Haut- und Gewebeschutzplatte  
Protecting shield for skin and tissue  
Placa protectora para piel y tejido  
Plaque protectrice pour peau et tissu  
Placca protettrice per pelle e tessuti



**75.95.61**

Extraktionshaken  
Extracting hooks  
Ganchos de extracción  
Crochets d'extraction  
Estrattore ad uncino



Ø 5 mm

37 cm – 14½"

**Küntscher**

**75.95.71**

43 cm – 17"

**75.95.72**

51 cm – 20"

**75.95.73**

Schlitzhammer für Extraktionshaken  
Slotted hammer for nail extracting hook  
Martillo con cabeza hendida para gancho de extracción  
Marteau fendu pour crochet d'extraction  
Battitore finestrato per gancio estrattore



29 cm – 11¾"

**Küntscher**

**75.95.79**



**Instrumente zur Marknagelung**  
**Instruments for intramedullary nailing**  
**Instrumentos para fijación intramedular**  
**Instruments pour enclouage centromédullaire**  
**Strumenti per inchiodamento endomidollare**



Extraktionsinstrument für KÜNTSCHER Marknägel und Schenkelhalsnägel  
Extracting instrument for KÜNTSCHER intramedullary nails and femoral neck nails  
Instrumento de extracción para clavos medulares de KÜNTSCHER y clavos de cuello femoral  
Instrument d'extraction pour clous médullaires de KÜNTSCHER et clous pour col du fémur  
Strumento estrattore per KÜNTSCHER chiodi endomidollari e chiodi femorali

**75.95.80**

komplett mit 4 Aufsätzen (75.95.86-89)  
complete with 4 attachments (75.95.86-89)  
completo con 4 terminales (75.95.86-89)  
complet avec 4 embouts (75.95.86-89)  
completo con 4 attacchi (75.95.86-89)

**75.95.81**

komplett mit 2 Haken-Aufsätzen (75.95.86+87)  
complete with 2 hook attachments (75.95.86+87)  
completo con 2 terminales en forma de gancho (75.95.86+87)  
complet avec 2 embouts à crochet (75.95.86+87)  
completo con 2 attacchi di gancio (75.95.86+87)



**75.95.86**

Haken klein  
Hook small  
Gancho pequeño  
Petit crochet  
Gancio piccolo



**75.95.87**

Haken groß  
Hook large  
Gancho grande  
Grand crochet  
Gancio grande



**75.95.88**

Gabelhaken für Schenkelhalsnägel  
Bifurcated hook for femoral neck nails  
Gancho ahorquillado para clavos de cuello femoral  
Crochet fourchu pour clous pour col du fémur  
Gancio a forchetta per chiodi femorali



**75.95.89**

Aufsatz mit Gewinde für Schenkelhalsnägel  
Threaded tip for the removal of femoral neck nails  
Terminal con roscado para clavos de cuello femoral  
Embout avec filetage pour clous pour col du fémur  
Attacco filettato per chiodi femorali

**Haken-Marknägel**  
**Intramedullary Hook-end Nails**  
**Clavos medulares con gancho**  
**Clous médullaires à crochet**  
**Chiodi midollari ad uncino**



für Finger, Fuß und Clavicula  
 for finger, foot and clavicle  
 para dedo, pie y clavícula  
 pour doigt, pied et clavicule  
 per dita, piede e clavicola

für Unterarm und Clavicula  
 for forearm and clavicle  
 para antebrazo y clavícula  
 pour avant-bras et clavicule  
 per avambraccio e clavicola

für Unterschenkel und Oberarm  
 for tibia and humerus  
 para tibia y húmero  
 pour tibia et humérus  
 per tibia e omero

für Unterarm und Unterschenkel  
 for forearm and tibia  
 para antebrazo y tibia  
 pour avant-bras et tibia  
 per avambraccio e tibia

	Ø 2,4 mm	Ø 3,2 mm	Ø 4,8 mm	Ø 6,4 mm
2,5 cm – 1"	<b>75.70.02</b>			
3,0 cm – 1 1/8"	<b>75.70.03</b>			
4,0 cm – 1 1/2"	<b>75.70.04</b>			
4,5 cm – 1 3/4"	<b>75.70.54</b>			
5,0 cm – 2"	<b>75.70.05</b>			
6,0 cm – 2 3/8"	<b>75.70.06</b>			
6,5 cm – 2 1/2"	<b>75.70.56</b>			
7,0 cm – 2 3/4"	<b>75.70.07</b>			
7,5 cm – 3"	<b>75.70.57</b>			
8,5 cm – 3 3/8"	<b>75.70.08</b>			
9,0 cm – 3 1/2"	<b>75.70.09</b>			
9,5 cm – 3 3/4"	<b>75.70.59</b>			
10,0 cm – 4"	<b>75.70.10</b>	<b>75.71.10</b>		
11,5 cm – 4 1/2"	<b>75.70.11</b>	<b>75.71.12</b>		
12,5 cm – 5"	<b>75.70.12</b>	<b>75.71.13</b>		
14,0 cm – 5 1/2"	<b>75.70.14</b>	<b>75.71.14</b>		
15,0 cm – 6"	<b>75.70.15</b>	<b>75.71.15</b>		
16,5 cm – 6 1/2"	<b>75.70.17</b>	<b>75.71.16</b>		
18,0 cm – 7 1/8"	<b>75.70.18</b>	<b>75.71.17</b>		
19,0 cm – 7 1/2"	<b>75.70.19</b>	<b>75.71.19</b>		
20,5 cm – 8"	<b>75.70.20</b>	<b>75.71.20</b>	<b>75.72.20</b>	
21,5 cm – 8 1/2"	<b>75.70.21</b>	<b>75.71.21</b>		
23,0 cm – 9"	<b>75.70.22</b>	<b>75.71.22</b>	<b>75.72.22</b>	
24,0 cm – 9 1/2"	<b>75.70.23</b>	<b>75.71.24</b>	<b>75.72.24</b>	
25,5 cm – 10"	<b>75.70.24</b>	<b>75.71.25</b>	<b>75.72.26</b>	
28,0 cm – 11"			<b>75.72.28</b>	<b>75.73.28</b>
29,5 cm – 11 1/2"			<b>75.72.30</b>	<b>75.73.29</b>
31,5 cm – 12 3/8"			<b>75.72.32</b>	<b>75.73.32</b>
33,5 cm – 13 1/8"			<b>75.72.34</b>	<b>75.73.34</b>
35,5 cm – 14"			<b>75.72.36</b>	<b>75.73.36</b>
37,5 cm – 14 3/4"				<b>75.73.37</b>
39,5 cm – 15 1/2"				<b>75.73.39</b>
41,0 cm – 16 1/8"				<b>75.73.41</b>
43,0 cm – 17"				<b>75.73.43</b>



**Haken-Marknägel**  
**Intramedullary Hook-end Nails**  
**Clavos medulares con gancho**  
**Clous médullaires à crochet**  
**Chiodi midollari ad uncino**



**75.70.00**

- ▶ Satz von 13 Haken-Marknägeln, Ø 2,4 mm, bestehend aus je 1 Stück 25 mm bis 100 mm Länge
- ▶ Set of 13 intramedullary hook-end nails, Ø 2,4 mm, consisting of 1 piece each 25 mm to 100 mm length
- ▶ Juego de 13 clavos medulares con gancho, Ø 2,4 mm, compuesto de 1 pieza de cada uno de los largos de 25 hasta 100 mm
- ▶ Jeu de 13 clous médullaires à crochet, Ø 2,4 mm, se composant de 1 pièce de chacune des longueurs de 25 à 100 mm
- ▶ Serie di 13 chiodi midollari ad uncino, Ø 2,4 mm, composta da 1 pezzo per tipo da 25 fino a 100 mm

**75.71.00**

- ▶ Satz von 13 Haken-Marknägeln, Ø 3,2 mm, bestehend aus je 1 Stück 100 mm bis 250 mm Länge
- ▶ Set of 13 intramedullary hook-end nails, Ø 3,2 mm, consisting of 1 piece each 100 mm to 250 mm length
- ▶ Juego de 13 clavos medulares con gancho, Ø 3,2 mm, compuesto de 1 pieza de cada uno de los largos de 100 hasta 250 mm
- ▶ Jeu de 13 clous médullaires à crochet, Ø 3,2 mm, se composant de 1 pièce de chacune des longueurs de 100 à 250 mm
- ▶ Serie di 13 chiodi midollari ad uncino, Ø 3,2 mm, composta da 1 pezzo per tipo da 100 fino a 250 mm

**75.72.00**

- ▶ Satz von 9 Haken-Marknägeln, Ø 4,8 mm, bestehend aus je 1 Stück 205 mm bis 355 mm Länge
- ▶ Set of 9 intramedullary hook-end nails, Ø 4,8 mm, consisting of 1 piece each 205 mm to 355 mm length
- ▶ Juego de 9 clavos medulares con gancho, Ø 4,8 mm, compuesto de 1 pieza de cada uno de los largos de 205 hasta 355 mm
- ▶ Jeu de 9 clous médullaires à crochet, Ø 4,8 mm, se composant de 1 pièce de chacune des longueurs de 205 à 355 mm
- ▶ Serie di 9 chiodi midollari ad uncino, Ø 4,8 mm, composta da 1 pezzo per tipo da 205 fino a 355 mm

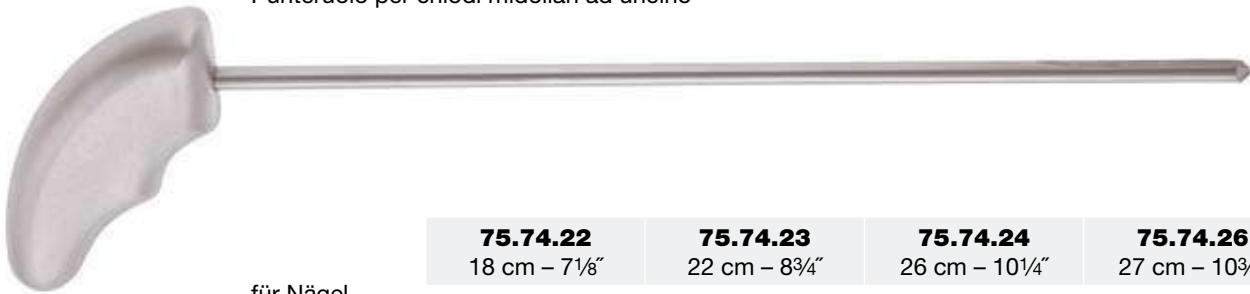
**75.73.00**

- ▶ Satz von 9 Haken-Marknägeln, Ø 6,4 mm, bestehend aus je 1 Stück 280 mm bis 430 mm Länge
- ▶ Set of 9 intramedullary hook-end nails, Ø 6,4 mm, consisting of 1 piece each 280 mm to 430 mm length
- ▶ Juego de 9 clavos medulares con gancho, Ø 6,4 mm, compuesto de 1 pieza de cada uno de los largos de 280 hasta 430 mm
- ▶ Jeu de 9 clous médullaires à crochet, Ø 6,4 mm, se composant de 1 pièce de chacune des longueurs de 280 à 430 mm
- ▶ Serie di 9 chiodi midollari ad uncino, Ø 6,4 mm, composta da 1 pezzo per tipo da 280 fino a 430 mm

**Haken-Marknägel**  
**Intramedullary Hook-end Nails**  
**Clavos medulares con gancho**  
**Clous médullaires à crochet**  
**Chiodi midollari ad uncino**



Vorbohrer für Haken-Marknägel  
 Taps for intramedullary hook-end nails  
 Preperforador para clavos medulares con gancho  
 Perforateurs initiaux pour clous médullaires à crochet  
 Punteruolo per chiodi midollari ad uncino



für Nägel  
 for nails  
 para clavos  
 pour clous  
 per chiodi

<b>75.74.22</b>	<b>75.74.23</b>	<b>75.74.24</b>	<b>75.74.26</b>
18 cm – 7 <sup>1</sup> / <sub>8</sub> "	22 cm – 8 <sup>3</sup> / <sub>4</sub> "	26 cm – 10 <sup>1</sup> / <sub>4</sub> "	27 cm – 10 <sup>3</sup> / <sub>4</sub> "

Ø 2,4 mm	Ø 3,2 mm	Ø 4,8 mm	Ø 6,4 mm
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Ein- und Ausschlaginstrument für Haken-Marknägel,  
 mit Querbohrung zum Biegen

Impactor and Extractor for intramedullary hook-end nails,  
 with cross-bore for bending

Impactor para clavos medulares con gancho,  
 con taladro transversal para doblar

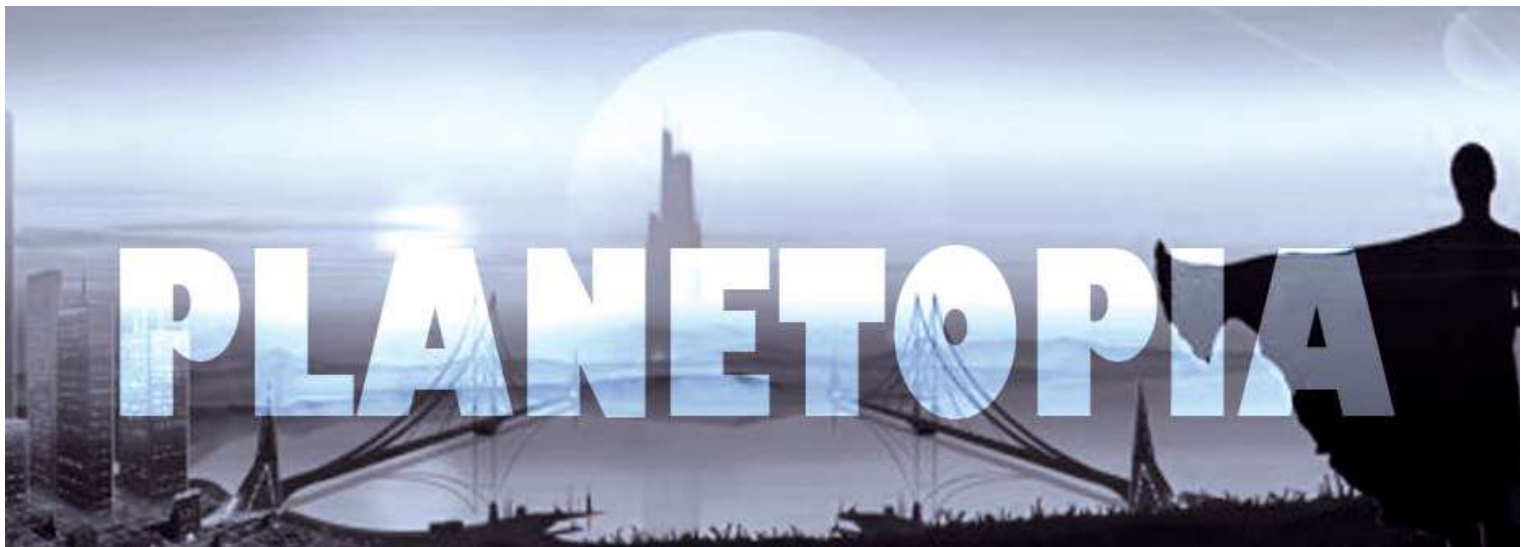
Impacteur-extracteur pour clous médullaires à crochet,  
 à forage transversal pour les plier

Introduttore-estrattore di chiodi midollari ad uncino,  
 con foro per piegare i chiodi

für Nägel  
 for nails  
 para clavos  
 pour clous  
 per chiodi

<b>75.74.52</b>	<b>75.74.53</b>	<b>75.74.54</b>	<b>75.74.56</b>
Ø 2,4 mm	Ø 3,2 mm	Ø 4,8 mm	Ø 6,4 mm

Ø 2,4 mm	Ø 3,2 mm	Ø 4,8 mm	Ø 6,4 mm
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cleared. Soon there would be no signs that protests had taken place. The surveillance headquarters reported no incidents or anything untoward. The chip seemed to work perfectly on everyone. The elite units were General Lee's personal guards. The tactical combat unit was to become Lee's secret service. Its function was to spy on everyone. And there was indeed no opposition. All were head-nodding workers devoid of will under General Lee's control. The next months and years came and passed. His paranoia turned into megalomania. The command headquarters were remodelled into a palace. Reproduction was now a function of the laboratory experts. The genes for workers were compiled from the DNA library, specifically selected according to the field of function to be fulfilled. The embryos were raised in artificial wombs. Growth hormones did the rest. It took just seven years to breed fully qualified specialists. They had no childhood, no past and no personality. Work was the top priority. Food and drink were administered intravenously. After 21 hours of uninterrupted work, each returned to their cell. Here they took their cocktail. Several colourful liquids were on offer. These could be vaporised and inhaled.

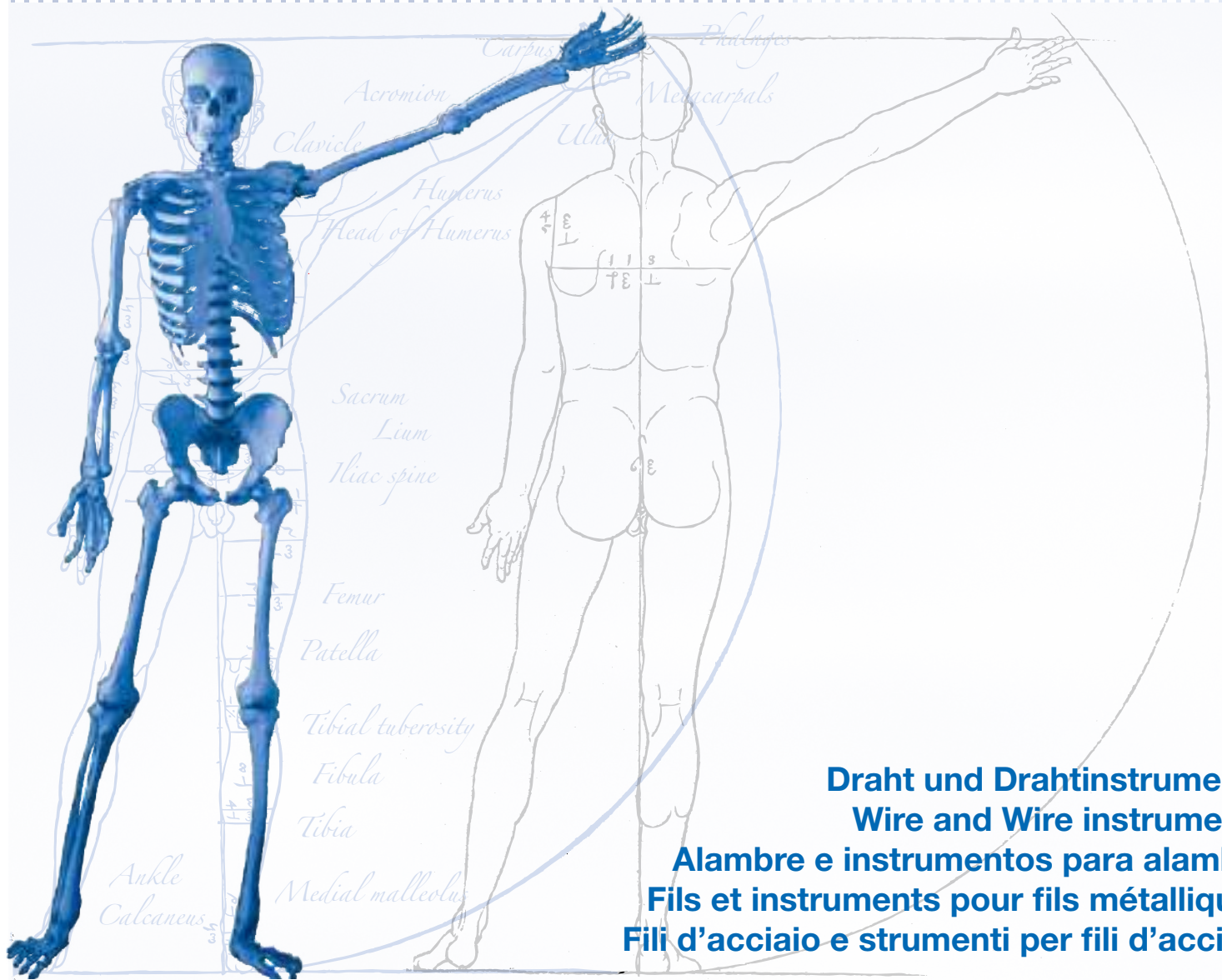
For those who  
wished, they  
could also

swallow or inject them. Thus a reward system



# ORTHOPAEDICS

## IMPLANTS AND INSTRUMENTS

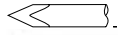


**Draht und Drahtinstrumente**  
**Wire and Wire instruments**  
**Alambre e instrumentos para alambre**  
**Fils et instruments pour fils métalliques**  
**Fili d'acciaio e strumenti per fili d'acciaio**

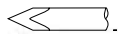




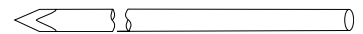
**KIRSCHNER Bohrdrähte**  
**KIRSCHNER Wires**  
**KIRSCHNER Brocas**  
**KIRSCHNER Broches**  
**KIRSCHNER Fili perforatori**



	6 cm – 2"	10 cm – 4"	12 cm – 4¾"	15 cm – 6"	23 cm – 9"	31 cm – 12½"
Ø 0,8 mm	<b>76.06.08</b>	<b>76.07.08</b>	<b>76.08.10</b>	<b>76.10.08</b>	<b>76.11.08</b>	<b>76.12.08</b>
Ø 0,9 mm	<b>76.06.09</b>	<b>76.07.09</b>	<b>76.08.11</b>	<b>76.10.09</b>	<b>76.11.09</b>	<b>76.12.09</b>
Ø 1,0 mm	<b>76.06.10</b>	<b>76.07.10</b>	<b>76.08.12</b>	<b>76.10.10</b>	<b>76.11.10</b>	<b>76.12.10</b>
Ø 1,1 mm	<b>76.06.11</b>	<b>76.07.11</b>	<b>76.08.13</b>	<b>76.10.11</b>	<b>76.11.11</b>	<b>76.12.11</b>
Ø 1,2 mm	<b>76.06.12</b>	<b>76.07.12</b>	<b>76.08.14</b>	<b>76.10.12</b>	<b>76.11.12</b>	<b>76.12.12</b>
Ø 1,3 mm	<b>76.06.13</b>	<b>76.07.13</b>	<b>76.08.15</b>	<b>76.10.13</b>	<b>76.11.13</b>	<b>76.12.13</b>
Ø 1,4 mm	<b>76.06.14</b>	<b>76.07.14</b>	<b>76.08.16</b>	<b>76.10.14</b>	<b>76.11.14</b>	<b>76.12.14</b>
Ø 1,5 mm	<b>76.06.15</b>	<b>76.07.15</b>	<b>76.08.17</b>	<b>76.10.15</b>	<b>76.11.15</b>	<b>76.12.15</b>
Ø 1,6 mm	<b>76.06.16</b>	<b>76.07.16</b>	<b>76.08.18</b>	<b>76.10.16</b>	<b>76.11.16</b>	<b>76.12.16</b>
Ø 1,7 mm	<b>76.06.17</b>	<b>76.07.17</b>	<b>76.08.19</b>	<b>76.10.17</b>	<b>76.11.17</b>	<b>76.12.17</b>
Ø 1,8 mm	<b>76.06.18</b>	<b>76.07.18</b>	<b>76.08.20</b>	<b>76.10.18</b>	<b>76.11.18</b>	<b>76.12.18</b>
Ø 1,9 mm	<b>76.06.19</b>	<b>76.07.19</b>	<b>76.08.21</b>	<b>76.10.19</b>	<b>76.11.19</b>	<b>76.12.19</b>
Ø 2,0 mm	<b>76.06.20</b>	<b>76.07.20</b>	<b>76.08.22</b>	<b>76.10.20</b>	<b>76.11.20</b>	<b>76.12.20</b>
Ø 2,2 mm	<b>76.06.22</b>	<b>76.07.22</b>	<b>76.08.23</b>	<b>76.10.22</b>	<b>76.11.22</b>	<b>76.12.22</b>
Ø 2,4 mm						<b>76.12.24</b>
Ø 2,5 mm	<b>76.06.25</b>	<b>76.07.25</b>	<b>76.08.24</b>	<b>76.10.25</b>	<b>76.11.25</b>	<b>76.12.25</b>
Ø 3,0 mm					<b>76.11.30</b>	<b>76.12.30</b>



	6 cm – 2¾"	10 cm – 4"	12 cm – 4¾"	15 cm – 6"	23 cm – 9"	31 cm – 12½"
Ø 0,8 mm	<b>76.06.58</b>	<b>76.07.58</b>	<b>76.08.30</b>	<b>76.10.58</b>	<b>76.11.58</b>	<b>76.12.58</b>
Ø 0,9 mm	<b>76.06.59</b>	<b>76.07.59</b>	<b>76.08.31</b>	<b>76.10.59</b>	<b>76.11.59</b>	<b>76.12.59</b>
Ø 1,0 mm	<b>76.06.40</b>	<b>76.07.60</b>	<b>76.08.32</b>	<b>76.10.60</b>	<b>76.11.60</b>	<b>76.12.60</b>
Ø 1,1 mm	<b>76.06.61</b>	<b>76.07.61</b>	<b>76.08.33</b>	<b>76.10.61</b>		
Ø 1,2 mm	<b>76.06.62</b>	<b>76.07.62</b>	<b>76.08.34</b>	<b>76.10.62</b>	<b>76.11.62</b>	<b>76.12.62</b>
Ø 1,3 mm	<b>76.06.63</b>	<b>76.07.63</b>	<b>76.08.35</b>	<b>76.10.63</b>		
Ø 1,4 mm	<b>76.06.64</b>	<b>76.07.64</b>	<b>76.08.36</b>	<b>76.10.64</b>	<b>76.11.64</b>	<b>76.12.64</b>
Ø 1,5 mm	<b>76.06.65</b>	<b>76.07.65</b>	<b>76.08.37</b>	<b>76.10.65</b>	<b>76.11.65</b>	<b>76.12.65</b>
Ø 1,6 mm	<b>76.06.66</b>	<b>76.07.66</b>	<b>76.08.38</b>	<b>76.10.66</b>	<b>76.11.66</b>	<b>76.12.66</b>
Ø 1,7 mm	<b>76.06.67</b>	<b>76.07.67</b>	<b>76.08.39</b>	<b>76.10.67</b>	<b>76.11.67</b>	<b>76.12.67</b>
Ø 1,8 mm	<b>76.06.68</b>	<b>76.07.68</b>	<b>76.08.40</b>	<b>76.10.68</b>	<b>76.11.68</b>	<b>76.12.68</b>
Ø 1,9 mm	<b>76.06.69</b>	<b>76.07.69</b>	<b>76.08.41</b>	<b>76.10.69</b>		
Ø 2,0 mm	<b>76.06.70</b>	<b>76.07.70</b>	<b>76.08.42</b>	<b>76.10.70</b>	<b>76.11.70</b>	<b>76.12.70</b>
Ø 2,2 mm	<b>76.06.72</b>	<b>76.07.72</b>	<b>76.08.43</b>	<b>76.10.72</b>	<b>76.11.72</b>	<b>76.12.72</b>
Ø 2,5 mm	<b>76.06.75</b>	<b>76.07.75</b>	<b>76.08.44</b>	<b>76.10.75</b>	<b>76.11.75</b>	<b>76.12.75</b>
Ø 3,0 mm					<b>76.11.80</b>	<b>76.12.80</b>

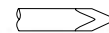
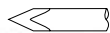


Verpackungseinheit 10 Stück  
 Packing unit 10 pieces  
 Paquete de 10 unidades  
 Emballage de 10 pièces  
 Confezione da 10 pezzi

mit Trokarspitze und flachem Schaftende  
 with trocar point and flat shaft end  
 con punta de trocar y extremo del vástago plano  
 à pointe trocart et bout de tige plat  
 con punta a tre quarti ed estremità piatta

mit Trokarspitze und rundem Schaftende  
 with trocar point and round end  
 con punta de trocar y extremo del vástago redondo  
 à pointe trocart et bout de tige rond  
 con punta a tre quarti ed estremità tonda

**KIRSCHNER Bohrdrähte**  
**KIRSCHNER Wires**  
**KIRSCHNER Brocas**  
**KIRSCHNER Broches**  
**KIRSCHNER Fili perforatori**



	6 cm – 2 <sup>3</sup> / <sub>8</sub> "	10 cm – 4"	12 cm – 4 <sup>3</sup> / <sub>4</sub> "	15 cm – 6"	31cm – 12 <sup>1</sup> / <sub>8</sub> "
Ø 0,8 mm	<b>76.06.78</b>	<b>76.07.78</b>	<b>76.08.50</b>	<b>76.10.78</b>	<b>76.13.08</b>
Ø 0,9 mm	<b>76.06.79</b>	<b>76.07.79</b>	<b>76.08.51</b>	<b>76.10.79</b>	
Ø 1,0 mm	<b>76.06.80</b>	<b>76.07.80</b>	<b>76.08.52</b>	<b>76.10.80</b>	<b>76.13.10</b>
Ø 1,1 mm	<b>76.06.81</b>	<b>76.07.81</b>	<b>76.08.53</b>	<b>76.10.81</b>	
Ø 1,2 mm	<b>76.06.82</b>	<b>76.07.82</b>	<b>76.08.54</b>	<b>76.10.82</b>	<b>76.13.12</b>
Ø 1,3 mm	<b>76.06.83</b>	<b>76.07.83</b>	<b>76.08.55</b>	<b>76.10.83</b>	
Ø 1,4 mm	<b>76.06.84</b>	<b>76.07.84</b>	<b>76.08.56</b>	<b>76.10.84</b>	<b>76.13.14</b>
Ø 1,5 mm	<b>76.06.85</b>	<b>76.07.85</b>	<b>76.08.57</b>	<b>76.10.85</b>	<b>76.13.15</b>
Ø 1,6 mm	<b>76.06.86</b>	<b>76.07.86</b>	<b>76.08.58</b>	<b>76.10.86</b>	<b>76.13.16</b>
Ø 1,7 mm	<b>76.06.87</b>	<b>76.07.87</b>	<b>76.08.59</b>	<b>76.10.87</b>	
Ø 1,8 mm	<b>76.06.88</b>	<b>76.07.88</b>	<b>76.08.60</b>	<b>76.10.88</b>	<b>76.13.18</b>
Ø 1,9 mm	<b>76.06.89</b>	<b>76.07.89</b>	<b>76.08.61</b>	<b>76.10.89</b>	
Ø 2,0 mm	<b>76.06.90</b>	<b>76.07.90</b>	<b>76.08.62</b>	<b>76.10.90</b>	<b>76.13.20</b>
Ø 2,2 mm	<b>76.06.92</b>	<b>76.07.92</b>	<b>76.08.63</b>	<b>76.10.92</b>	<b>76.13.22</b>
Ø 2,5 mm	<b>76.06.95</b>	<b>76.07.95</b>	<b>76.08.64</b>	<b>76.10.95</b>	<b>76.13.25</b>
Ø 3,0 mm				<b>76.11.00</b>	<b>76.13.30</b>



	31cm – 12 <sup>1</sup> / <sub>8</sub> "
Ø 0,8 mm	<b>76.15.08</b>
Ø 1,0 mm	<b>76.15.10</b>
Ø 1,2 mm	<b>76.15.12</b>
Ø 1,4 mm	<b>76.15.14</b>
Ø 1,5 mm	<b>76.15.15</b>
Ø 1,6 mm	<b>76.15.16</b>
Ø 1,7 mm	<b>76.15.17</b>
Ø 1,8 mm	<b>76.15.18</b>
Ø 1,9 mm	<b>76.15.19</b>
Ø 2,0 mm	<b>76.15.20</b>
Ø 2,2 mm	<b>76.15.22</b>
Ø 2,5 mm	<b>76.15.25</b>
Ø 3,0 mm	<b>76.15.30</b>

Verpackungseinheit 10 Stück  
 Packing unit 10 pieces  
 Paquete de 10 unidades  
 Emballage de 10 pièces  
 Confezione da 10 pezzi



beidseitig mit Trokarspitze  
 with trocar point on both ends  
 con punta de trocar en ambos extremos  
 à pointe trocar aux deux bouts  
 con punta a trequarti da entrambi i lati

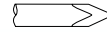
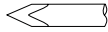


mit Lanzenspitze und flachem Schaftende  
 with lancet point and flat shaft end  
 con punta lanceolar y extremo del vástago plano  
 à pointe lancéolée et bout de tige plat  
 con punta a forma di lancetta ed estremità piatta

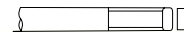
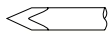
*work done, the more credits were obtained. With these, they could*



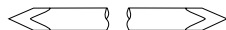
**STEINMANN Nägel**  
**STEINMANN Nails**  
**STEINMANN Clavos**  
**STEINMANN Clous**  
**STEINMANN Chiodi**



	14 cm – 5½"	16 cm – 6¼"	18 cm – 7⅛"	20 cm – 8"	23 cm – 9"	26 cm – 10¼"
Ø 2,0 mm			<b>76.21.20</b>		<b>76.21.70</b>	
Ø 2,5 mm			<b>76.21.25</b>		<b>76.21.75</b>	
Ø 3,0 mm			<b>76.21.30</b>		<b>76.21.80</b>	
Ø 3,5 mm	<b>76.17.00</b>	<b>76.17.09</b>	<b>76.21.35</b>	<b>76.17.18</b>	<b>76.21.85</b>	<b>76.17.27</b>
Ø 4,0 mm	<b>76.17.01</b>	<b>76.17.10</b>	<b>76.21.40</b>	<b>76.17.19</b>	<b>76.21.90</b>	<b>76.17.28</b>
Ø 4,5 mm	<b>76.17.02</b>	<b>76.17.11</b>	<b>76.21.45</b>	<b>76.17.20</b>	<b>76.21.95</b>	<b>76.17.29</b>
Ø 5,0 mm	<b>76.17.03</b>	<b>76.17.12</b>	<b>76.21.50</b>	<b>76.17.21</b>	<b>76.22.00</b>	<b>76.17.30</b>



	14 cm 5½"	15 cm 6"	16 cm 6¼"	18 cm 7⅛"	20 cm 8"	21 cm 8¼"	23 cm 9"	26 cm 10¼"
Ø 2,0 mm				<b>76.22.20</b>			<b>76.22.70</b>	
Ø 2,5 mm				<b>76.22.25</b>			<b>76.22.75</b>	
Ø 3,0 mm				<b>76.22.30</b>			<b>76.22.80</b>	
Ø 3,5 mm	<b>76.17.51</b>		<b>76.17.60</b>	<b>76.22.35</b>	<b>76.17.69</b>		<b>76.22.85</b>	<b>76.17.78</b>
Ø 4,0 mm	<b>76.17.52</b>	<b>76.44.15</b>	<b>76.44.16</b>	<b>76.22.40</b>	<b>76.44.20</b>	<b>76.44.21</b>	<b>76.22.90</b>	<b>76.17.79</b>
Ø 4,5 mm	<b>76.17.53</b>		<b>76.17.62</b>	<b>76.22.45</b>	<b>76.17.71</b>		<b>76.22.95</b>	<b>76.17.80</b>
Ø 5,0 mm	<b>76.17.54</b>		<b>76.17.63</b>	<b>76.22.50</b>	<b>76.17.72</b>		<b>76.23.00</b>	<b>76.17.81</b>

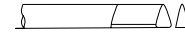
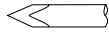


beidseitig mit Trokarspitze  
 with trocar point on both ends  
 con punta de trocar en ambos extremos  
 à pointe trocar aux deux bouts  
 con punta a trequarti da entrambi i lati

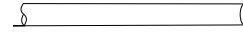
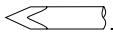


mit Trokarspitze und Vierkant-Schaftende  
 with trocar point and square shaft end  
 con punta de trocar y extremo de vástago cuadrado  
 à pointe trocar et bout de tige quatre-pans  
 con punta a trequarti ed estremità quadrangolare

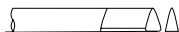
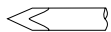
**STEINMANN Nägel**  
**STEINMANN Nails**  
**STEINMANN Clavos**  
**STEINMANN Clous**  
**STEINMANN Chiodi**



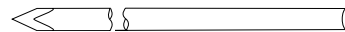
	14 cm – 5½"	16 cm – 6¼"	18 cm – 7⅛"	20 cm – 8"	23 cm – 9"	26 cm – 10¼"
Ø 2,0 mm			<b>76.23.20</b>		<b>76.23.70</b>	
Ø 2,5 mm			<b>76.23.25</b>		<b>76.23.75</b>	
Ø 3,0 mm			<b>76.23.30</b>		<b>76.23.80</b>	
Ø 3,5 mm	<b>76.18.01</b>	<b>76.18.10</b>	<b>76.23.35</b>	<b>76.18.19</b>	<b>76.23.85</b>	<b>76.18.28</b>
Ø 4,0 mm	<b>76.18.02</b>	<b>76.18.11</b>	<b>76.23.40</b>	<b>76.18.20</b>	<b>76.23.90</b>	<b>76.18.29</b>
Ø 4,5 mm	<b>76.18.03</b>	<b>76.18.12</b>	<b>76.23.45</b>	<b>76.18.21</b>	<b>76.23.95</b>	<b>76.18.30</b>
Ø 5,0 mm	<b>76.18.04</b>	<b>76.18.13</b>	<b>76.23.50</b>	<b>76.18.22</b>	<b>76.24.00</b>	<b>76.18.31</b>



	14 cm – 5½"	16 cm – 6¼"	18 cm – 7⅛"	20 cm – 8"	23 cm – 9"	26 cm – 10¼"
Ø 3,5 mm	<b>76.18.51</b>	<b>76.18.60</b>	<b>76.18.69</b>	<b>76.18.78</b>	<b>76.18.87</b>	<b>76.18.96</b>
Ø 4,0 mm	<b>76.18.52</b>	<b>76.18.61</b>	<b>76.18.70</b>	<b>76.18.79</b>	<b>76.18.88</b>	<b>76.18.97</b>
Ø 4,5 mm	<b>76.18.53</b>	<b>76.18.62</b>	<b>76.18.71</b>	<b>76.18.80</b>	<b>76.18.89</b>	<b>76.18.98</b>
Ø 5,0 mm	<b>76.18.54</b>	<b>76.18.63</b>	<b>76.18.72</b>	<b>76.18.81</b>	<b>76.18.90</b>	<b>76.18.99</b>



mit Trokarspitze und Dreikant-Schaftende  
 with trocar point and triangular shaft end  
 con punta de trocar y extremo del vástago triangular  
 à pointe trocar et bout de tige triangulaire  
 con punta a trequarti ed estremità triangolare



mit Trokarspitze und rundem Schaftende  
 with trocar point and round shaft end  
 con punta de trocar y extremo del vástago redondo  
 à pointe trocar et bout de tige rond  
 con punta a trequarti ed estremità tonda

*them. As desired, the cocktails had a relaxing, hallucinogenic,*



**STEINMANN Nägel / SCHANZ Schrauben / Bohrdrahtbehälter**  
**STEINMANN Nails / SCHANZ Screws / Wire Containers**  
**STEINMANN Clavos / SCHANZ Tornillos / Contenedores para brocas**  
**STEINMANN Clous / SCHANZ Vis / Tubes pour broches**  
**STEINMANN Chiodi / SCHANZ Viti / Contenitori per fili**



**Steinmann**

Mittelgewinde  
 Center thread  
 Rosca central  
 Filetage central  
 Filettatura centrale

	Ø 4,5 mm	Ø 5,0 mm
15 cm – 6"	<b>76.19.50</b>	<b>76.19.51</b>
18 cm – 7 1/8"	<b>76.19.57</b>	<b>76.19.58</b>
20 cm – 8"	<b>76.19.64</b>	<b>76.19.65</b>

mit Trokarspitze und Dreikant-Schaftende  
 with trocar point and triangular shaft end  
 con punta de trocar y extremo del vástago triangular  
 à pointe trocart et bout de tige triangulaire  
 con punta a trequarti ed estremità triangolare

Gewinde-Ø ist 0,5 mm größer als Nagel-Ø  
 Thread Ø is 0,5 mm larger than nail Ø  
 Ø rosca es 0,5 mm más grande que el Ø del clavo  
 Ødu filetage est de 0,5 mm plus grand que Ø du clou  
 Il Ø della filettatura è 0,5 mm più grande del Ø del chiodo



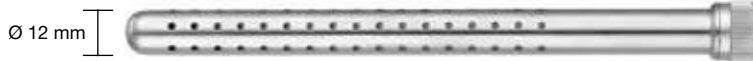
**Schanz**

Gewinde  
 Thread  
 Rosca  
 Filetage  
 Filettatura

	Ø 5,0 mm
8 cm – 3 1/8"	<b>76.20.00</b>
12 cm – 4 3/4"	<b>76.20.01</b>
15 cm – 6"	<b>76.20.02</b>
17 cm – 6 3/4"	<b>76.20.03</b>
20 cm – 8"	<b>76.20.04</b>
25 cm – 10"	<b>76.20.05</b>

mit Trokarspitze und Dreikant-Schaftende  
 with trocar point and triangular shaft end  
 con punta de trocar y extremo del vástago triangular  
 à pointe trocart et bout de tige triangulaire  
 con punta a trequarti ed estremità triangolare

Gewinde-Ø ist 0,5 mm größer als Nagel-Ø  
 Thread Ø is 0,5 mm larger than nail Ø  
 Ø rosca es 0,5 mm más grande que el Ø del clavo  
 Ødu filetage est de 0,5 mm plus grand que Ø du clou  
 Il Ø della filettatura è 0,5 mm più grande del Ø del chiodo



**Kirschner**

Lieferung ohne Bohrdrähte  
 Supplied without wires  
 Sumministrado sin brocas  
 Livraison sans broches  
 Fornitura senza fili



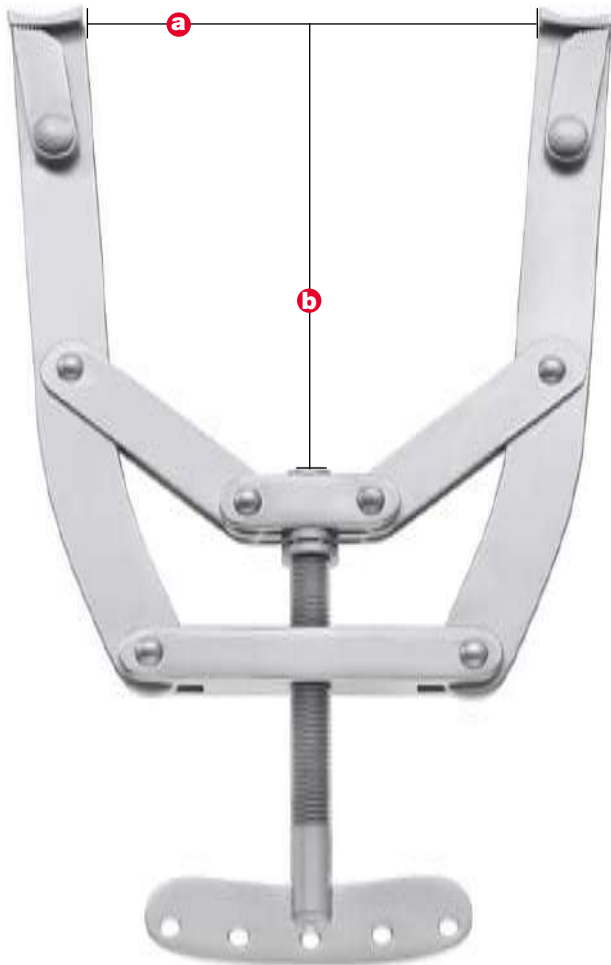
<b>76.16.03</b>	<b>76.16.04</b>	<b>76.16.05</b>
16 cm – 6 1/4"	19 cm – 7 1/2"	32 cm – 12 1/2"

für Bohrdrähte bis:  
 for wires up to:  
 para brocas hasta:  
 pour broches jusqu'à:  
 per fili fino a:

15 cm                      18 cm                      31 cm

rostfreier 18/8 Stahl  
 18/8 stainless steel  
 acero inoxidable 18/8  
 acier inoxydable 18/8  
 acciaio inossidabile 18/8

**Extensionsbügel  
Traction Bows  
Estribos de extensión  
Etriers à extension  
Staffe per trazione**



**Kirschner  
Mod. USA**

komplett mit 3 Zughaken  
complete with 3 traction hooks  
completo con 3 ganchos de tracción  
complet avec 3 crochets de traction  
completa di 3 ganci di trazione

**76.40.01**

**a** = 4,5 – 13 cm - 1¾" – 5½"

**b** = 1,5 – 10 cm - ½" – 4"

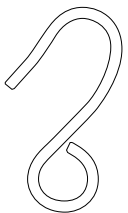
kleines Modell  
small pattern  
modelo pequeño  
petit modèle  
modello piccolo

**76.40.03**

**a** = 0 – 16 cm - 0" – 6¼"

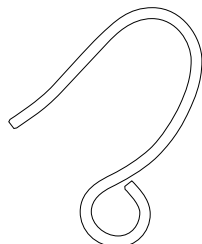
**b** = 9 – 13 cm - 3½" – 5⅛"

großes Modell  
large pattern  
modelo grande  
grand modèle  
modello grande



**76.41.41**

Zughaken allein, klein  
Traction hook only, small  
Gancho de tracción sólo, pequeño  
Petit crochet de traction seul  
Gancio di trazione solo, piccolo



**76.41.42**

Zughaken allein, groß  
Traction hook only, large  
Gancho de tracción sólo, grande  
Grand crochet de traction seul  
Gancio di trazione solo, grande

für KIRSCHNER Extensionsbügel  
for KIRSCHNER traction bows  
para KIRSCHNER estribos de extensión  
pour de KIRSCHNER étriers à extension  
per KIRSCHNER staffe per trazione



**Extensionsbügel  
Traction Bows  
Estribos de extensión  
Etriers à extension  
Staffe per trazione**



**Kirschner**

komplett mit 3 Zughaken  
complete with 3 traction hooks  
completo con 3 ganchos de tracción  
complet avec 3 crochets de traction  
completo di 3 ganci di trazione

**76.40.21**

**a** = 4,5 - 13 cm - 1¾" - 5⅛"

**b** = 10 cm - 4"

kleines Modell  
small pattern  
modelo pequeño  
petit modèle  
modello piccolo

**76.40.23**

**a** = 7 - 19 cm - 2¾" - 7½"

**b** = 16 cm - 6¼"

großes Modell  
large pattern  
modelo grande  
grand modèle  
modello grande



15 cm - 6"

**76.40.25**

Spannschlüssel  
Tightening wrench  
Llave tensora  
Clé de tension  
Chiave





**Kirschner**

komplett mit 3 Zughaken  
complete with 3 traction hooks  
completo con 3 ganchos de tracción  
complet avec 3 crochets de traction  
completo di 3 ganci di trazione

<b>76.41.01</b>	für Hüfte for hip para cadera pour hanche per anca
<b>a</b> = 20,0 cm – 8"	
<b>b</b> = 15,5 cm – 6 1/8"	

<b>76.41.02</b>	für Oberschenkel for femur para fémur pour fémur per femore
<b>a</b> = 15,5 cm – 6 1/8"	
<b>b</b> = 15,5 cm – 6 1/8"	

<b>76.41.03</b>	für Knie for knee para rodilla pour genou per ginocchio
<b>a</b> = 13,5 cm – 5 3/8"	
<b>b</b> = 13,0 cm – 5 1/8"	

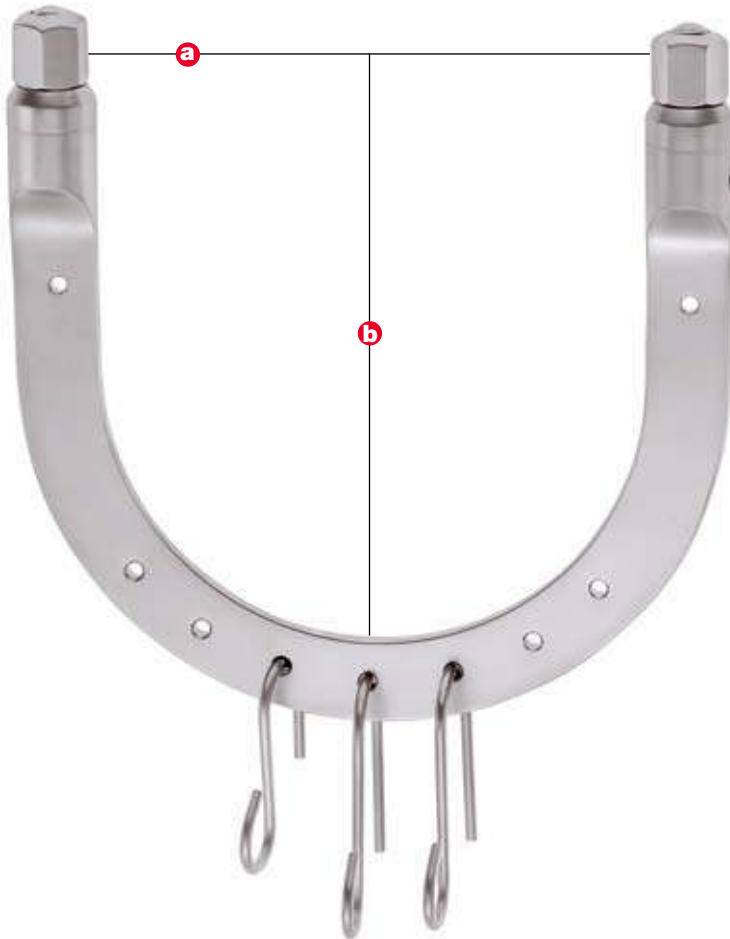
<b>76.41.04</b>	für Knie for knee para rodilla pour genou per ginocchio
<b>a</b> = 12,0 cm – 4 3/4"	
<b>b</b> = 12,0 cm – 4 3/4"	



**Extensionsbügel  
Traction Bows  
Estribos de extensión  
Etriers à extension  
Staffe per trazione**

**Kirschner**

komplett mit 3 Zughaken  
complete with 3 traction hooks  
completo con 3 ganchos de tracción  
complet avec 3 crochets de traction  
completa di 3 ganci di trazione



**76.41.05**

**a** = 9,5 cm – 3<sup>3</sup>/<sub>4</sub>"

**b** = 11,0 cm – 4<sup>3</sup>/<sub>8</sub>"

für Fersenbein  
for heel  
para calcáneo  
pour calcanéum  
per calcagno

**76.41.06**

**a** = 9,5 cm – 3<sup>3</sup>/<sub>4</sub>"

**b** = 7,0 cm – 2<sup>3</sup>/<sub>4</sub>"

für Arm  
for arm  
para brazo  
pour bras  
per braccio

**76.41.07**

**a** = 6,0 cm – 2<sup>3</sup>/<sub>8</sub>"

**b** = 5,0 cm – 2"

für Ellenbogen  
for elbow  
para codo  
pour coude  
per gomito

**76.41.50**



Fixierscheiben für Bohrdrähte mit Stellschraube, Paar  
Fixation discs for wires with setscrew, pair  
Discos de fijación para brocas filiformes con tornillo de ajuste, par  
Disques de fixation pour broches avec vis de serrage, le paire  
Dischi di fissaggio per perforatori filiformi con vite di chiusura, paio

**76.41.55**



Fixierscheiben mit Schlitz und Stellschraube, Paar  
Fixation discs with slit and setscrew, pair  
Discos de fijación con hendidura y tornillo de ajuste, par  
Disques de fixation avec fente et vis de serrage, le paire  
Dischi di fissaggio con fessura e vite di chiusura, paio

**Extensionsbügel  
Traction Bows  
Estribos de extensión  
Etriers à extension  
Staffe per trazione**



Spannschlüssel zum Spannen des Bohrdrabtes, passend für KIRSCHNER Extensionsbügel Nr. 76.41.01 – 76.41.07  
Wrench for tightening the wire, fits KIRSCHNER traction bows No. 76.41.01 – 76.41.07  
Llave para tensar las brocas filiformes, apropiada para estribos de extensión KIRSCHNER No. 76.41.01 – 76.41.07  
Clé pour tendre la broche, pour étriers KIRSCHNER No. 76.41.01 – 76.41.07  
Chiave tenditrice per perforatori filiformi, adatta alle staffe di trazione di KIRSCHNER No. 76.41.01 – 76.41.07



Schraubenschlüssel für die Spannmutter der KIRSCHNER Extensionsbügel Nr. 76.41.01 – 76.41.07  
Wrench for adjusting KIRSCHNER traction bow nuts, No. 76.41.01 – 76.41.07  
Atornillador para las tuercas tensoras de los estribos de extensión de KIRSCHNER No. 76.41.01 – 76.41.07  
Clé pour les écrous-tendeurs des étriers KIRSCHNER No. 76.41.01 – 76.41.07  
Chiave per i dadi delle staffe di trazione di KIRSCHNER No. 76.41.01 – 76.41.07

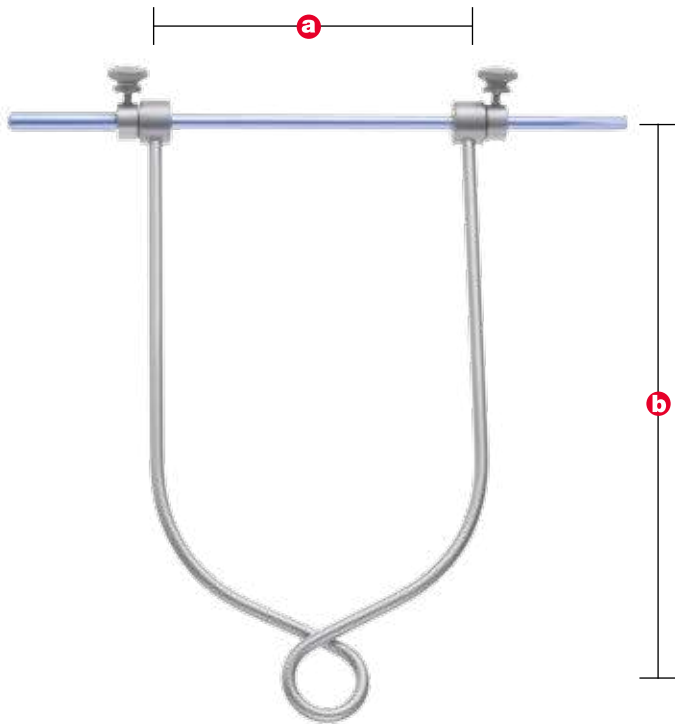


Fixierzwinde zum Halten der Spannmutter des Spannschlüssels Nr. 76.41.20  
Spring clamp, stabilizes the adjusting nut of the tightening wrench No. 76.41.20  
Manija para sujetar la tuerca de la llave tensora No. 76.41.20  
Bride de fixation pour écrou de la clé No. 76.41.20  
Morsetto per stringere il dado della chiave tenditrice No. 76.41.20





**Extensionsbügel**  
**Traction Bows**  
**Estribos de extensión**  
**Etriers à extension**  
**Staffe per trazione**



**Boehler**

**76.44.01**

**a** = 9 cm – 3½"

**b** = 16 cm – 6¼"

für Arm  
for arm  
para brazo  
pour bras  
per braccio

komplett mit 1 Nagel Ø 4 mm × 15 cm Nr. 76.44.15  
complete with 1 nail Ø 4 mm × 15 cm No. 76.44.15  
completo con 1 clavo Ø 4 mm × 15 cm No. 76.44.15  
complet avec 1 clou Ø 4 mm × 15 cm No. 76.44.15  
completo di 1 chiodo Ø 4 mm × 15 cm No. 76.44.15

**76.44.03**

**a** = 11 cm – 4⅜"

**b** = 21 cm – 8¼"

für Knie und Oberschenkel  
for knee and femur  
para rodilla y femur  
pour genou et fémur  
per ginocchio e femore

komplett mit 1 Nagel Ø 4 mm × 18 cm Nr. 76.22.40  
complete with 1 nail Ø 4 mm × 18 cm No. 76.22.40  
completo con 1 clavo Ø 4 mm × 18 cm No. 76.22.40  
complet avec 1 clou Ø 4 mm × 18 cm No. 76.22.40  
completo di 1 chiodo Ø 4 mm × 18 cm No. 76.22.40

**76.44.05**

**a** = 15 cm – 3"

**b** = 21 cm – 8¼"

für Knie und Oberschenkel  
for knee and femur  
para rodilla y femur  
pour genou et fémur  
per ginocchio e femore

komplett mit 1 Nagel Ø 4 mm × 21 cm Nr. 76.44.21  
complete with 1 nail Ø 4 mm × 21 cm No. 76.44.21  
completo con 1 clavo Ø 4 mm × 21 cm No. 76.44.21  
complet avec 1 clou Ø 4 mm × 21 cm No. 76.44.21  
completo di 1 chiodo Ø 4 mm × 21 cm No. 76.44.21

**Handbohrer, Knochendrähte**  
**Hand Drills, Bone Suturing Wires**  
**Perforadoras de mano, Alambre para huesos**  
**Perforateurs à main, Fils d'acier à os**  
**Perforatori a mano, Fili d'acciaio per ossa**



mit Dreibacken-Spannfutter, von Hand zu spannen, max. Spannweite 4 mm  
 with three-jaw chuck, to be locked by hand, max. spread 4 mm  
 con plato de tres mordazas, tensor, a mano, apertura máxima 4 mm  
 avec mandrin à trois mâchoires, tendre à main, ouverture maximale 4 mm  
 con mandrino a tre ganasce, da tendere a mano, apertura massima 4 mm



**78.03.05**

mit Jacobs-Dreibacken-Spannfutter mit Spannschlüssel, max. Spannweite 4 mm  
 with Jacobs three-jaw chuck and tightening wrench, max. spread 4 mm  
 con plato de tres mordazas de Jacobs, con llave tensora, apertura máxima 4 mm  
 avec mandrin de Jacobs à trois mâchoires, avec clé, ouverture maximale 4 mm  
 con mandrino di Jacobs a tre ganasce, con chiave di tensione, apertura massima 4 mm



**78.03.07**

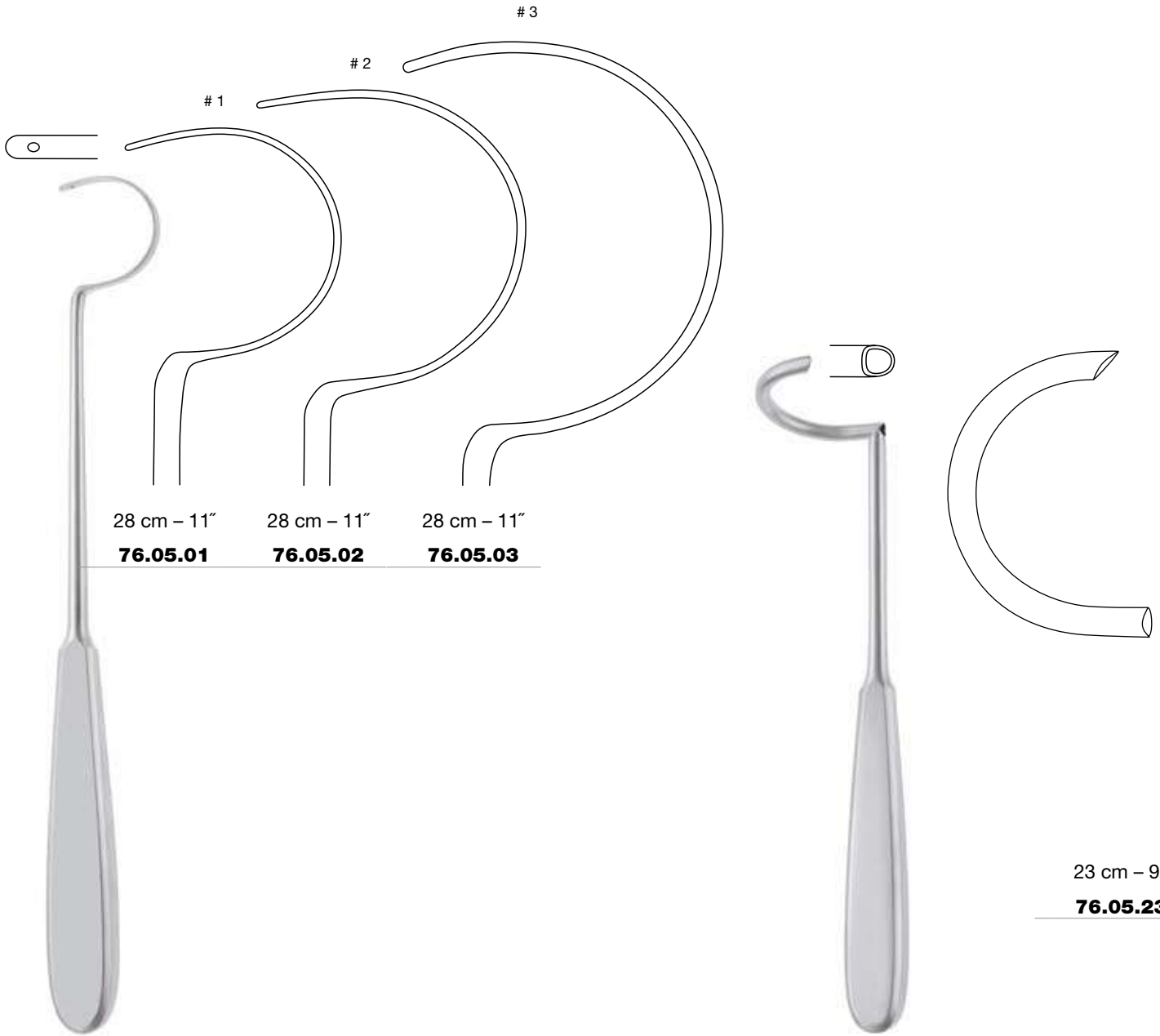
<b>76.01.02</b>	Ø 0,25 mm – 31 G
<b>76.01.03</b>	Ø 0,30 mm – 29 G
<b>76.01.04</b>	Ø 0,40 mm – 27 G
<b>76.01.05</b>	Ø 0,50 mm – 25 G
<b>76.01.06</b>	Ø 0,60 mm – 23 G
<b>76.01.07</b>	Ø 0,70 mm – 22 G
<b>76.01.08</b>	Ø 0,80 mm – 21 G
<b>76.01.09</b>	Ø 0,90 mm – 20 G
<b>76.01.10</b>	Ø 1,00 mm – 19 G
<b>76.01.12</b>	Ø 1,20 mm – 18 G
<b>76.01.15</b>	Ø 1,50 mm – 17 G
<b>76.01.18</b>	Ø 1,80 mm – 15 G
<b>76.01.20</b>	Ø 2,00 mm – 14 G



Rolle zu 10 m, weich  
 Coil 10 m (33.3 ft.), soft  
 Rollo de 10 m, blando  
 Rouleau de 10 m, souple  
 Rotolo da 10 m, dolce



**Drahtumföhrungsnadeln**  
**Wire Guides**  
**Agujas conductoras de alambre**  
**Passe-fils**  
**Aghi passafilo**



28 cm - 11"	28 cm - 11"	28 cm - 11"
<b>76.05.01</b>	<b>76.05.02</b>	<b>76.05.03</b>

23 cm - 9"  
**76.05.23**

**Demel**

**Drahtumföhrungsnadeln**  
**Wire Guides**  
**Agujas conductoras de alambre**  
**Passe-fils**  
**Aghi passafilo**



24 cm – 9½”  
**76.05.24**

27 cm – 10¾”  
**76.05.27**



21 cm – 8¼”  
**76.08.00**

21 cm – 8¼”  
**76.08.01**

NOVOTEX





**Drahtspanninstrumente**  
**Wire Tightening Instruments**  
**Instrumentos tensores de alambre**  
**Tendeurs-fil**  
**Strumenti tendifilo metallico**



22 cm – 8¾"  
**76.05.50**

**Loute**



28 cm – 11"  
**76.05.60**

**Demel**

**Drahtspanninstrument**  
**Wire Tightening Instrument**  
**Instrumento tensores de alambre**  
**Tendeur-fil**  
**Strumento tendifilo metallico**



Platte dreh- und auswechselbar  
Plate rotating and interchangeable  
Placa giratoria e intercambiabile  
Disque pivotant et interchangeable  
Placca girevole ed intercambiabile



Anzeige der Zugkraft mittels Skala bis 125 kg  
Indication of traction by scale up to 125 kg  
Indicación de la fuerza de tracción mediante una escala hasta 125 kg  
Indication de force de traction par échelle jusqu'à 125 kg  
Indicazione della forza di trazione tramite una scala fino a 125 kg

26 cm – 10¼"

**76.05.65**

für Drähte von Ø 1,5 – 2,5 mm  
for wires of Ø 1,5 – 2,5 mm  
para alambres de Ø 0,5 – 2,5 mm  
pour fils à Ø 0,5 – 2,5 mm  
per fili da Ø 0,5 – 2,5 mm



**Drahtspannzangen, Flachzangen**  
**Wire Twisting Forceps, Flat Nose Pliers**  
**Pinzas tensoras de alambre, Alicates planos**  
**Pinces serre-fil, Pinces plates**  
**Pinze tendifili, Tenaglie piatte**



**Niro**



**Niro "HM"**



**"HM"**



**Medicon**

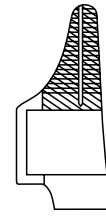


**Medicon "HM"**

**Drahtspannzangen, Flachzangen**  
**Wire Twisting Forceps, Flat Nose Pliers**  
**Pinzas tensoras de alambre, Alicates planos**  
**Pinces serre-fil, Pinces plates**  
**Pinze tendifili, Tenaglie piatte**



14 cm - 5½"  
**14.46.14**

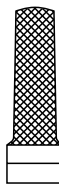


15 cm - 6"  
**14.46.15**

**Universal**

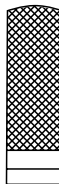


5 mm

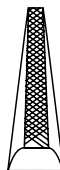


18 cm - 7⅛"  
**14.48.05**

7 mm



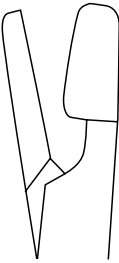
18 cm - 7⅛"  
**14.48.07**



18 cm - 7⅛"  
**14.48.04**



**Drahtspannzangen, Flachzangen**  
**Wire Twisting Forceps, Flat Nose Pliers**  
**Pinzas tensoras de alambre, Alicates planos**  
**Pinces serre-fil, Pinces plates**  
**Pinze tendifili, Tenaglie piatte**



Maulteile gerieft  
 serrated jaws  
 boca estriada  
 mors striés  
 morsi striati

17 cm – 6¾"

**14.48.01**

**"HM"**



16 cm – 6¼"

**14.48.03**

**Corwin-Hegar "HM"**



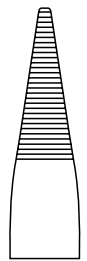
17 cm – 6¾"

**76.45.10**



17 cm – 6¾"

**76.45.15**



19 cm – 7½"

**76.45.19**

**Draht- und Nagelextraktionszangen**  
**Wire and Nail Extracting Forceps**  
**Pinzas para extraer alambres y clavos**  
**Pinces à extraction fils et clous**  
**Pinze per estrazione di fili e chiodi**



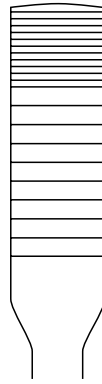
18 cm – 7 $\frac{1}{8}$ "

**76.45.18**



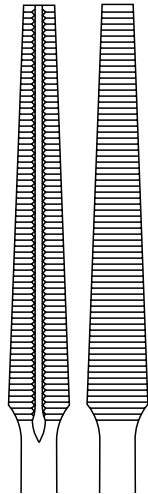
20 cm – 8"

**76.45.21**



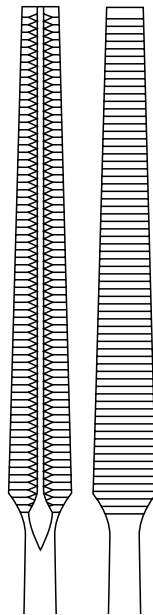
24 cm – 9 $\frac{1}{2}$ "

**76.45.22**



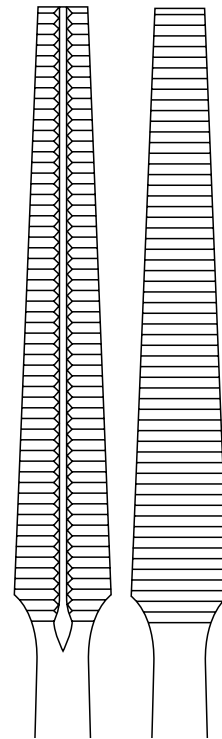
22 cm – 8 $\frac{3}{4}$ "

**76.45.25**



25 cm – 10"

**76.45.26**



30 cm – 11 $\frac{3}{4}$ "

**76.45.27**

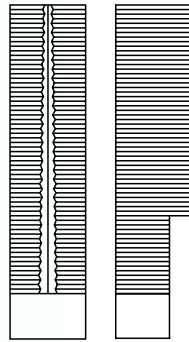
*people; only three had a fault. There were just short moments when*



**Draht- und Nagelextraktionszangen**  
**Wire and Nail Extracting Forceps**  
**Pinzas para extraer alambres y clavos**  
**Pinces à extraction fils et clous**  
**Pinze per estrazione di fili e chiodi**

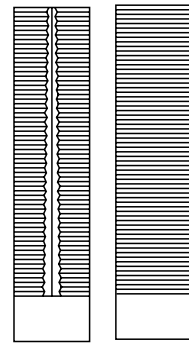


mit Seitenschneider für Drähte bis max. Ø 1,6 mm  
with side cutter for wires up to max. Ø 1,6 mm  
con pinza cortante para alambres hasta máx. Ø 1,6 mm  
avec pince coupante pour fils jusqu'à max. Ø 1,6 mm  
con pinza tagliente per fili fino a max. Ø 1,6 mm



18,5 cm – 7¼"

**76.45.29**



18 cm – 7⅛"

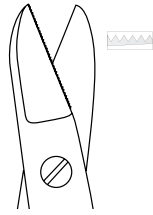
**76.45.30**



**Drahtscheren**  
**Wire Cutting Scissors**  
**Tijeras para cortar alambre**  
**Ciseaux coupe-fil**  
**Forbici per fili d'acciaio**

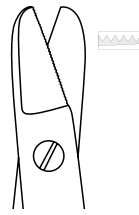


**Beebee**



10,5 cm – 4 1/8"

**14.24.10**



10,5 cm – 4 1/8"

**14.24.20**



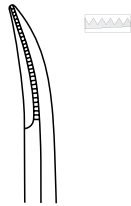
10,5 cm – 4 1/8"

**14.26.10**



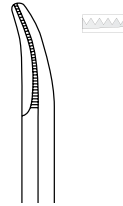
10,5 cm – 4 1/8"

**14.26.20**



10,5 cm – 4 1/8"

**14.25.10**



10,5 cm – 4 1/8"

**14.25.20**



10,5 cm – 4 1/8"

**14.27.10**

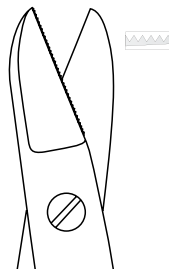


10,5 cm – 4 1/8"

**14.27.20**

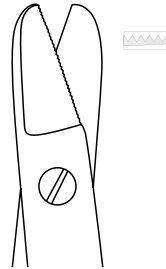


**Beebee**



12,5 cm – 5"

**14.24.12**



12,5 cm – 5"

**14.24.22**



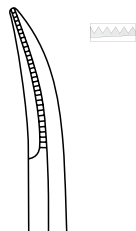
12,5 cm – 5"

**14.26.12**



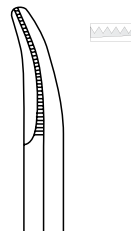
12,5 cm – 5"

**14.26.22**



12,5 cm – 5"

**14.25.12**



12,5 cm – 5"

**14.25.22**



12,5 cm – 5"

**14.27.12**



12,5 cm – 5"

**14.27.22**



eine Schneide gezahnt  
 one blade serrated  
 una hoja dentada  
 une lame dentelée  
 una lama dentellata

*twitch of an eyelid drew attention. Another recognised variations*



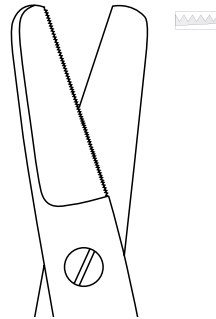
**Drahtscheren**  
**Wire Cutting Scissors**  
**Tijeras para cortar alambre**  
**Ciseaux coupe-fil**  
**Forbici per fili d'acciaio**



10 cm – 4 1/8"

**14.20.09**

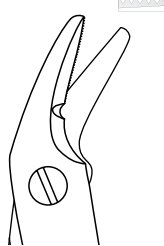
**Schuknecht**



13 cm – 5 1/8"

**14.20.10**

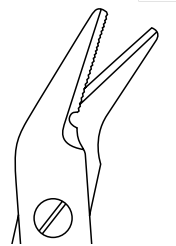
**Harvey**



12 cm – 4 3/4"

**14.23.12**

**Universal**

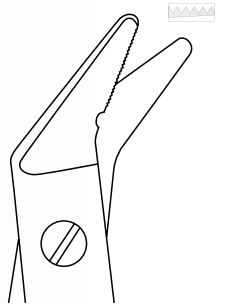
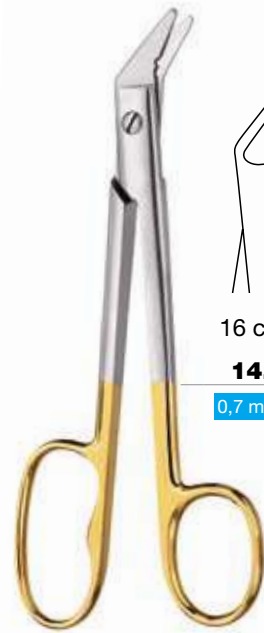


12 cm – 4 3/4"

**14.23.62**

0,3 mm 0,8 mm

**Universal "HM"**



16 cm – 6 1/4"

**14.23.66**

0,7 mm 1,0 mm

**Universal "HM"**



**Drahtscheren, Drahtkneifzangen**  
**Wire Cutting Scissors, Wire Cutting Pliers**  
**Tijeras para cortar alambre, Pinzas para cortar alambre**  
**Ciseaux coupe-fil, Pincès coupe-fil**  
**Forbici per fili d'acciaio, Tenaglie tagliafili**



12 cm – 4¾"  
**14.26.72**

“HM”



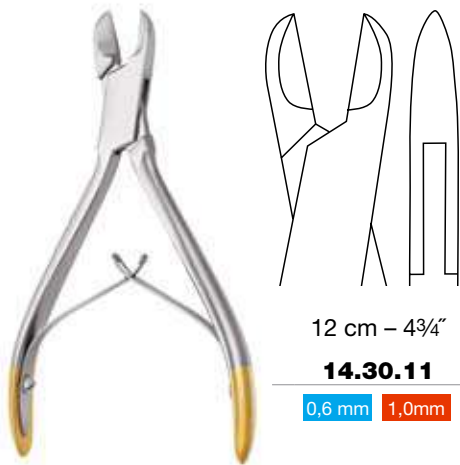
16 cm – 6¼"  
**14.28.68**

“HM”



16 cm – 6¼"  
**14.29.68**

“HM”



12 cm – 4¾"  
**14.30.11**

0,6 mm 1,0mm

“HM”



13 cm – 5⅛"  
**14.30.13**

1,2 mm 1,6mm

“HM”

max. Ø

harte Drähte  
 hard wires  
 alambres duros  
 fils durs  
 fili duri

max. Ø

weiche Drähte  
 soft wires  
 alambres blandos  
 fils mous  
 fili dolci



eine Schneide gezahnt  
 one blade serrated  
 una hoja dentada  
 une lame dentelée  
 una lama dentellata

*ones in a dead world with a will, a personality and hope, a goal.*



**Drahtkneifzangen**  
**Wire Cutting Pliers**  
**Pinzas para cortar alambre**  
**Pinces coupe-fil**  
**Tenaglie tagliafil**



17,5 cm - 7"

**14.30.17**

1,6 mm 2,0 mm

**"HM"**



19 cm - 7½"

**14.30.28**

1,5 mm 2,0 mm



15 cm - 6"

**14.30.65**

1,5 mm 2,0 mm

**"HM"**



16 cm - 6¼"

**14.30.76**

1,5 mm 2,0 mm

max. Ø

harte Drähte  
 hard wires  
 alambres duros  
 fils durs  
 fili duri

max. Ø

weiche Drähte  
 soft wires  
 alambres blandos  
 fils mous  
 fili dolci

**Drahtkneifzangen**  
**Wire Cutting Pliers**  
**Pinzas para cortar alambre**  
**Pinces coupe-fil**  
**Tenaglie tagliafili**



18,5 cm – 7¼"

**76.45.47**

1,6 mm



21,5 cm – 8½"

**76.45.43**

2,5 mm

**"HM"**



23 cm – 9"

**76.45.73**

2,5 mm

**"HM"**

max. Ø

harte Drähte  
 hard wires  
 alambres duros  
 fils durs  
 fili duri



**Drahtkneifzange**  
**Wire Cutting Pliers**  
**Pinza para cortar alambre**  
**Pince coupe-fil**  
**Tenaglia tagliafili**

Kunststoffbacken halten den Draht nach dem Durchtrennen in der Zange fest.

Plastic inserts hold wire piece after being cut.

Mordazas de plástico retienen el alambre después del corte.

Mors en plastique tiennent le fil après couper.

Le guance di plastica sostengono il filo nel morso della pinza dopo il taglio.



**Easy Cut "HM"**



20 cm – 8"

**76.45.85**

1.8 mm

**76.45.85**

Drahtkneifzange mit auswechselbaren Hartmetallschneiden, inkl. Service-Set (76.45.86).

Inhalt Service-Set:

Ersatzschneiden "HM" (Paar) 76.45.87

Kunststoffbacken (Paar) 76.45.88

Schrauben (Paar) 76.45.89

Schraubendreher 76.45.90

Wire cutting pliers with exchangeable TC edges, incl. service set (76.45.86).

Contents of service set:

Replacement TC edges (pair) 76.45.87

Plastic inserts (pair) 76.45.88

Screws (pair) 76.45.89

Screwdriver 76.45.90

Pinza para cortar alambre con hojas intercambiables de tungsteno, incl. set de servicio (76.45.86).

Contenido del set de servicio:

Hojas de tungsteno de repuesto (par) 76.45.87

Hojas de plástico (par) 76.45.88

Tornillos (par) 76.45.89

Destornillador 76.45.90

Pince coupe-fil avec lames en tungstène interchangeables, set de service inclut (76.45.86).

Contenu du set de service:

Lames de rechange en tungstène (paire) 76.45.87

Mors en plastique (paire) 76.45.88

Vis (paire) 76.45.89

Tournevis 76.45.90

Tenaglia tagliafili con lame intercambiabili, completa di set di servizio (76.45.86).

Contenuto del set di servizio:

Lame TC (paio) 76.45.87

Guance di plastica (paio) 76.45.88

Viti (paio) 76.45.89

Cacciavite 76.45.90

max. Ø

harte Drähte  
hard wires  
alambres duros  
fils durs  
fili duri

**Drahtkneifzangen**  
**Wire Cutting Pliers**  
**Pinzas para cortar alambre**  
**Pinces coupe-fil**  
**Tenaglie tagliafili**



18 cm – 7 1/8"

**76.45.55**

Korbschneider  
 Vertebral cutting forceps  
 Pinza cortante vertebral  
 Pince coupante vertébrale  
 Pinza tagliante vertebrale



Kunststoffbacken halten den Draht nach dem Durchtrennen in der Zange fest  
 Plastic inserts hold wire piece after being cut  
 Mordazas de plástico retienen el alambre después del corte  
 Mors en plastique tiennent le fil après couper  
 Le guance di plastica sostengono il filo nel morso della pinza dopo il taglio

**Harms "HM"**



18 cm – 7 1/8"

**76.45.60**

1,6 mm 2,0 mm

**"HM"**



25 cm – 10"

**76.45.75**

3,0 mm

**Goliath "HM"**

max. Ø

harte Drähte  
 hard wires  
 alambres duros  
 fils durs  
 fili duri

max. Ø

weiche Drähte  
 soft wires  
 alambres blandos  
 fils mous  
 fili dolci





**Drahtkneifzangen**  
**Wire Cutting Pliers**  
**Pinzas para cortar alambre**  
**Pinces coupe-fil**  
**Tenaglie tagliafil**



26 cm – 10¼"

**76.45.79**

3,0 mm



45 cm – 17¾"

**76.45.80**

6,0 mm

1:4



57,5 cm – 22½"

**76.45.81**

6,35 mm

1:4

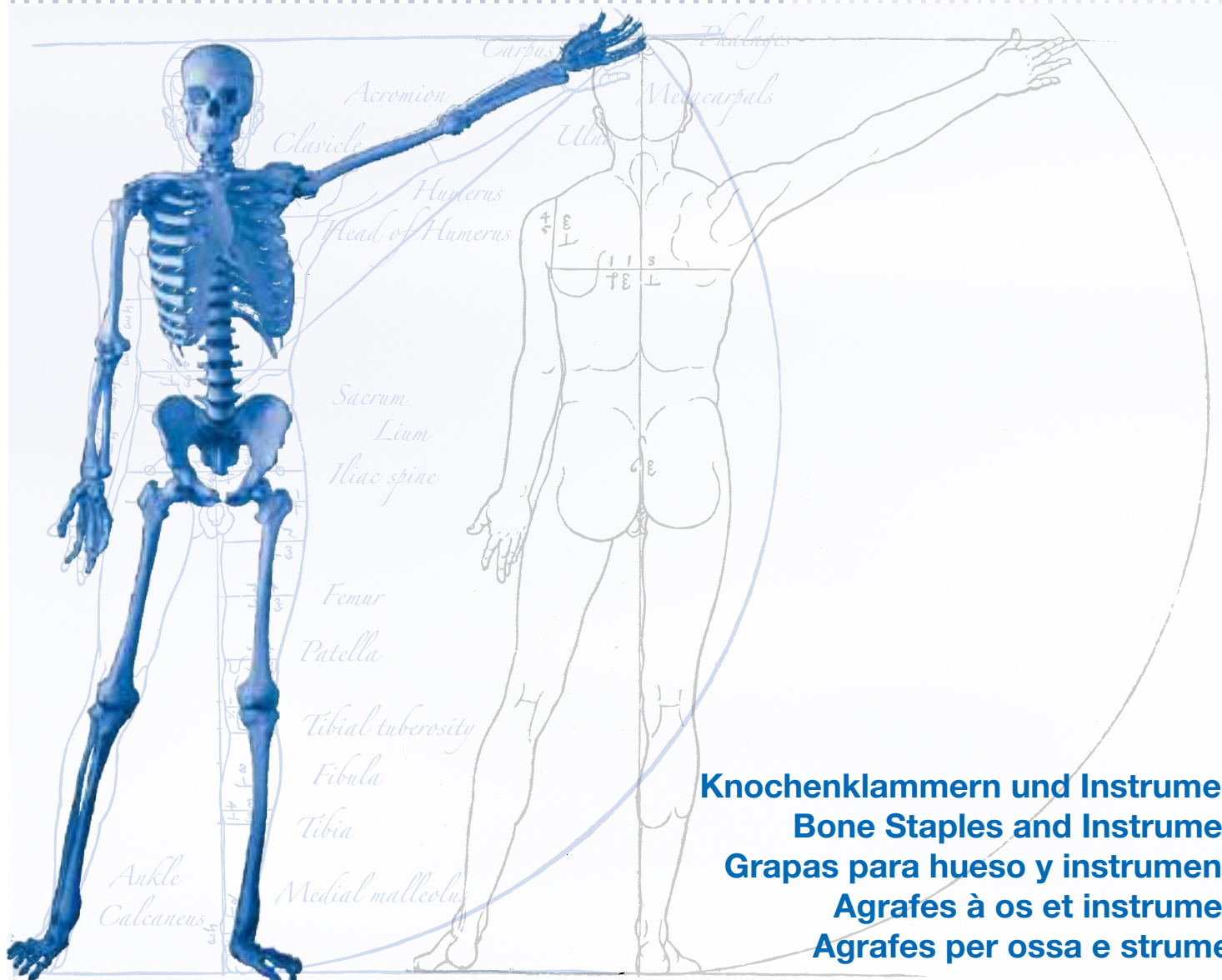
**Bolzenschneider**  
**Wire pin cutting pliers**  
**Alicata corta alambre y clavos**  
**Pince coupante pour fil et clous**  
**Pinza tagliante per fili e chiodi**



Griffe demontierbar  
Handles dismantable  
Mangos desmontables  
Manches démontables  
Manici smontabili

# ORTHO PAEDICS

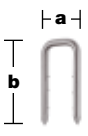
## IMPLANTS AND INSTRUMENTS

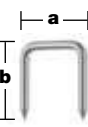


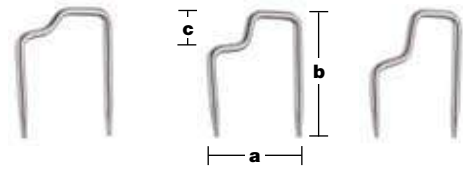
**Knochenklammern und Instrumente**  
**Bone Staples and Instruments**  
**Grapas para hueso y instrumentos**  
**Agrafes à os et instruments**  
**Agrafes per ossa e strumenti**


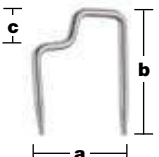



**Knochenklammern  
Bone Staples  
Grapas para hueso  
Agrafes à os  
Agrafes per ossa**

	a	b	Ø	
	<b>76.09.15</b>	8,7 mm	16 mm	2 mm
	<b>76.09.16</b>	8,7 mm	19 mm	2 mm
	<b>76.09.17</b>	8,7 mm	22 mm	2 mm
	<b>76.09.18</b>	8,7 mm	25 mm	2 mm

	a	b	Ø	
	<b>76.09.25</b>	22 mm	19 mm	2,5 mm
	<b>76.09.26</b>	16 mm	19 mm	2,5 mm
	<b>76.09.28</b>	22 mm	19 mm	1,5 mm
	<b>76.09.29</b>	16 mm	19 mm	1,5 mm



	a	b	c	
	<b>76.09.20</b>	24 mm	33 mm	4,8 mm
	<b>76.09.21</b>	24 mm	33 mm	9,5 mm
	<b>76.09.22</b>	24 mm	33 mm	14,0 mm



**Hernandez-Ros**

19 cm – 7½"

**76.09.09**

Klammerheber  
Staple extractor  
Extractor de grapas  
Extracteur d'agrafes  
Estrattore di agrafes



**Hernandez-Ros**

15,5 cm – 6¼"

**76.09.08**

Klammerstößel  
Staple driver  
Impactor de grapas  
Pilon pour agrafes  
Impattatore per agrafes



**Hernandez-Ros**

16 cm – 6¼"

**76.09.07**

Klammerhalter  
Staple holder  
Porta-grapas  
Porte-agrafes  
Porta agrafes

**Knochenklammern, Einschlaginstrumente**  
**Bone Staples, Impactors**  
**Grapas para hueso, impactores**  
**Agrafes à os, impacteurs**  
**Agrafes per ossa, impattatori**



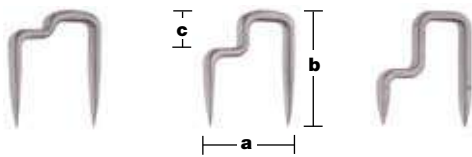
Einschlaginstrument  
 Impactor  
 Impactor  
 Impacteur  
 Introduuttore



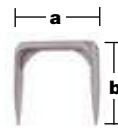
25 cm – 10"

**76.09.72**

für, for, para, pour, per  
**76.09.40/41/42**  
**76.09.50/51/52/53**



	a	b	c
<b>76.09.40</b>	24 mm	30 mm	5 mm
<b>76.09.41</b>	24 mm	30 mm	10 mm
<b>76.09.42</b>	24 mm	30 mm	15 mm



**Blount**

	a	b
<b>76.09.50</b>	9,5 mm	22 mm
<b>76.09.51</b>	16,0 mm	22 mm
<b>76.09.52</b>	22,0 mm	22 mm
<b>76.09.53</b>	28,0 mm	22 mm

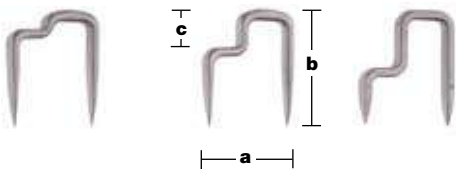
Einschlaginstrument  
 Impactor  
 Impactor  
 Impacteur  
 Introduuttore



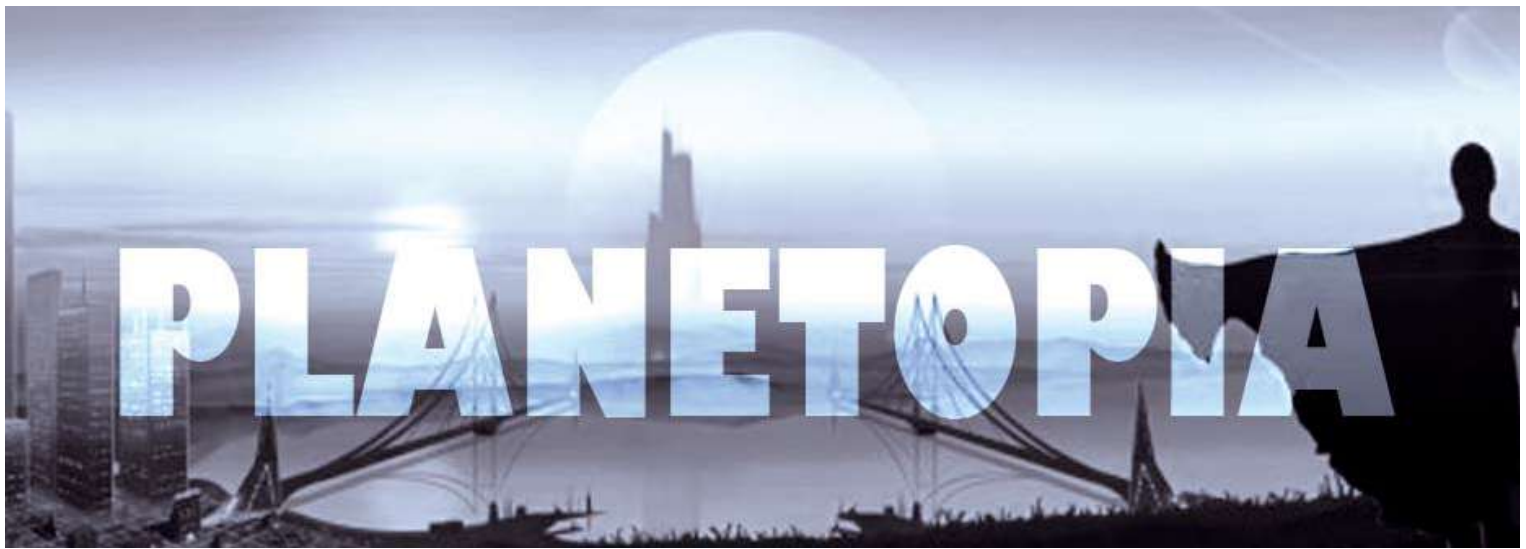
25 cm – 10"

**76.09.70**

für, for, para, pour, per  
**76.09.45/46/47**



	a	b	c
<b>76.09.45</b>	24 mm	35 mm	5 mm
<b>76.09.46</b>	24 mm	40 mm	10 mm
<b>76.09.47</b>	24 mm	45 mm	15 mm



*If a robot were to be shot, explosive capsules ensured that nothing remained standing within a 10-meter radius. Mr. Purple attached explosives to every computer and server on every important line. The camera surveillance system was to be paralysed with interference transmitters. Mr. White had access rights for all air-locks and was to open the way to the lower levels with his identification card. The showdown was planned for the 4th of July, just before midnight. This is the time when almost everyone in the Ark would be enjoying their cocktail. Mr. Purple hacked into the surveillance headquarters mainframe and effected a system crash which needed 15 minutes to restart. When Mr. Pink received the signal, he sent his whisper-quiet combat robots to take care of the few guards on the top level without further ado. In the meantime, Mr. Purple planted so many explosive charges on the quarters of the tactical combat unit that it should collapse. 10 minutes to go. Mr. White was already awaiting the other two with a mischievous smile at the air-lock to the middle level. Again the robots did their jobs excellently. Four guards had been silently eliminated. Mr. Purple disappeared for three minutes into the hermetically sealed room in which the DNA*

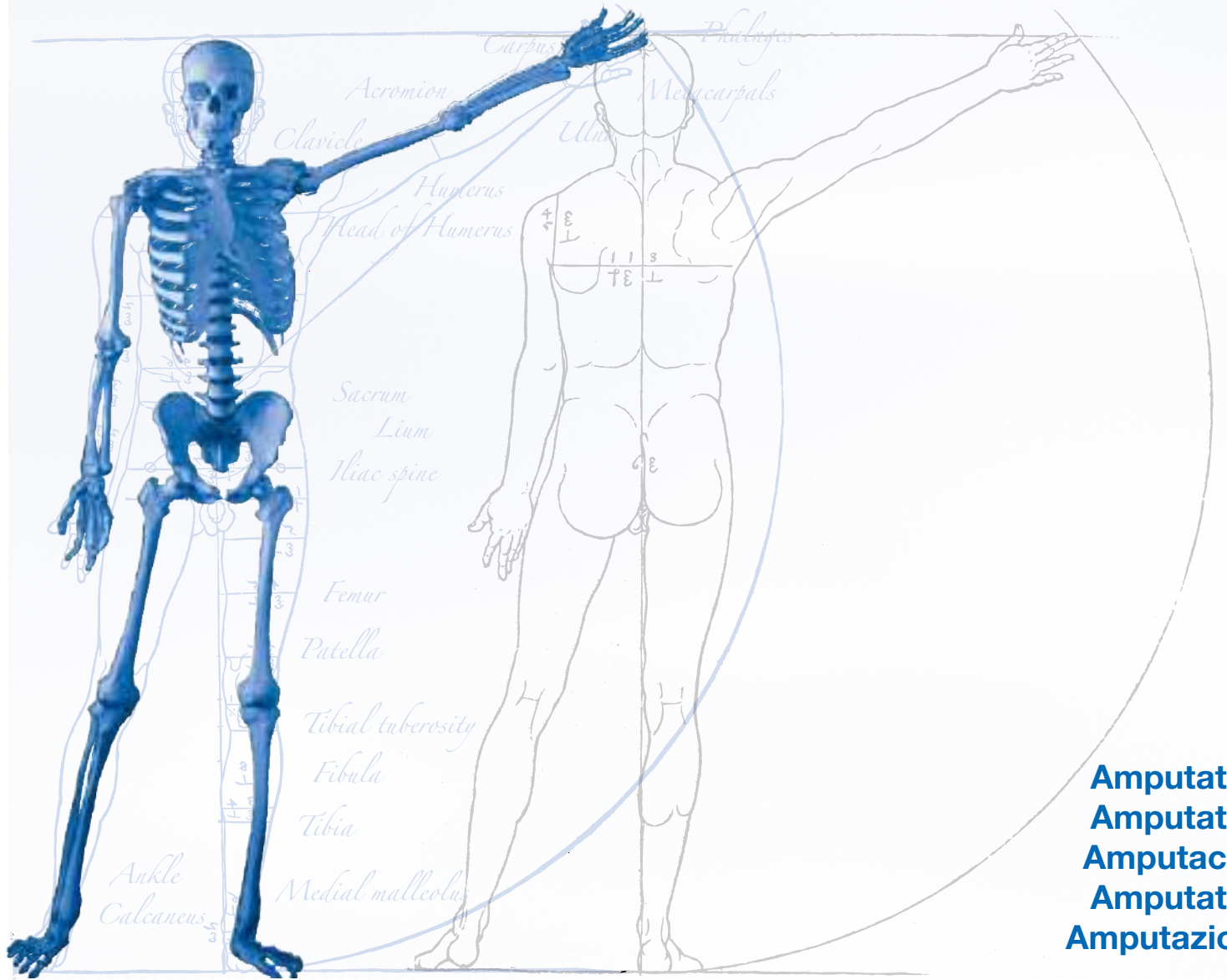
*library and  
the databank  
mainframe*

*were located. A back-up copy could be useful*



# ORTHO PAEDICS

## IMPLANTS AND INSTRUMENTS





**Resektionsmesser, Amputationsmesser**  
**Resection Knives, Amputation Knives**  
**Cuchillos para resección, Cuchillos para amputación**  
**Couteaux à résection, Couteaux à amputation**  
**Coltelli per resezione, Coltelli per amputazione**



**Langenbeck**



18 cm – 7 $\frac{1}{8}$ "

**01.70.01**

# 1



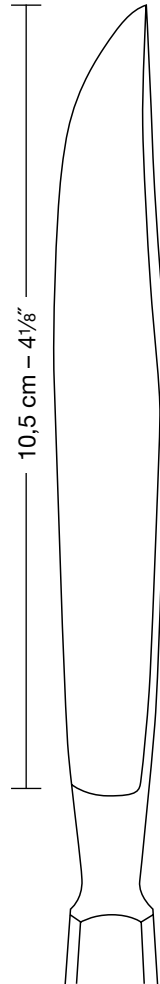
18 cm – 7 $\frac{1}{8}$ "

**01.70.02**

# 2



**Liston**



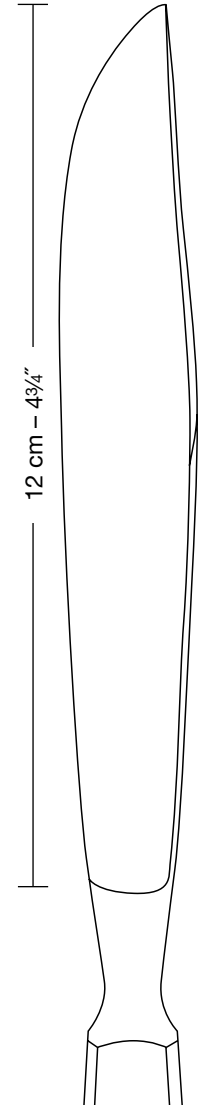
10,5 cm – 4 $\frac{1}{8}$ "

23 cm – 9"

**01.70.10**



**Langenbeck**



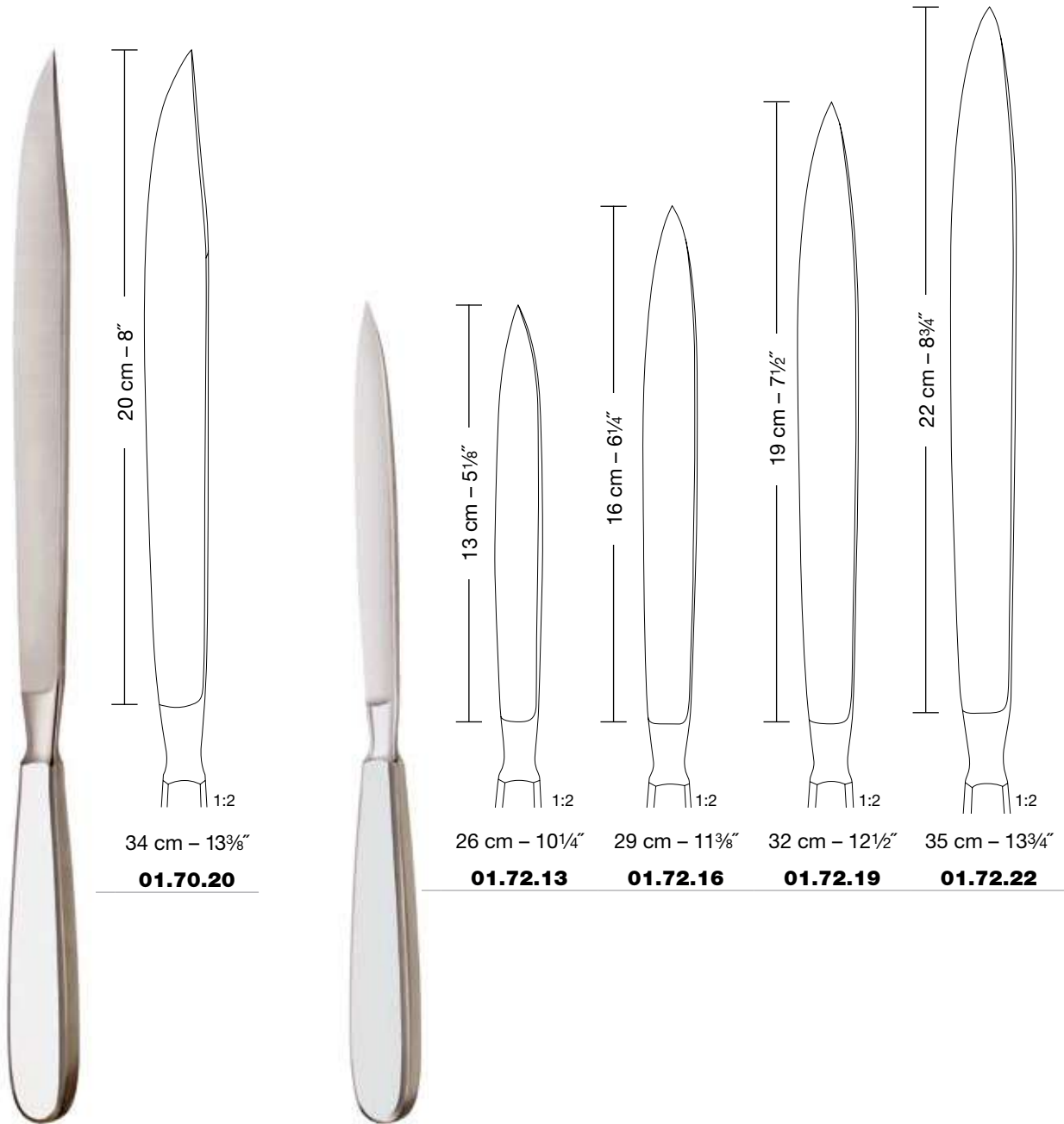
12 cm – 4 $\frac{3}{4}$ "

24 cm – 9 $\frac{1}{2}$ "

**01.70.12**



**Amputationsmesser  
Amputation Knives  
Cuchillos para amputación  
Couteaux à amputation  
Coltelli per amputazione**

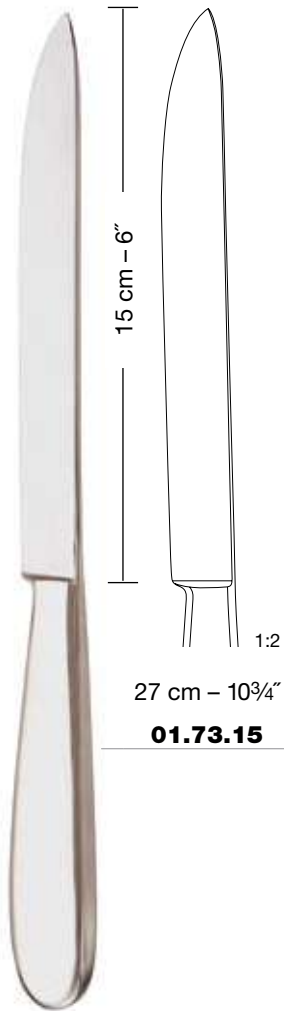


**Liston**

*worms and after that laden it with explosives. 5 minutes. Now the*

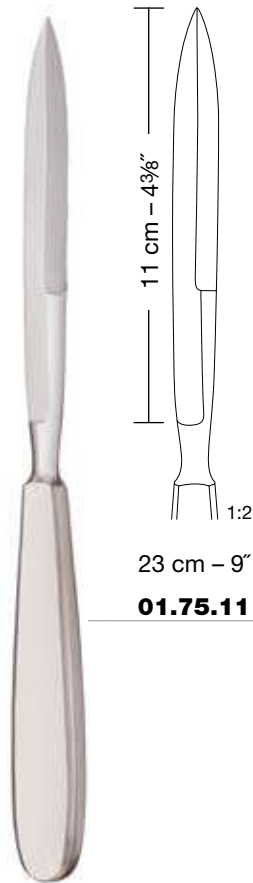


**Amputationsmesser  
Amputation Knives  
Cuchillos para amputación  
Couteaux à amputation  
Coltelli per amputazione**



**01.73.15**

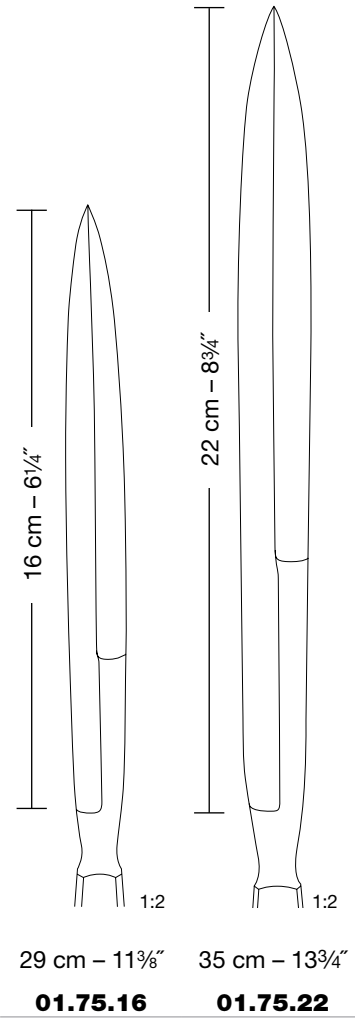
**Collin**



**01.75.11**



**Catlin**



**01.75.16**

**01.75.22**

**Stichsägen, Amputationssägen  
Compass Saws, Amputation Saws  
Sierras de calar, Sierras de amputación  
Scies à guichet, Scies à amputation  
Seghe a coda di topo, Seghe per amputazione**



17,5 cm – 7"  
**77.02.14**



23 cm – 9"  
**77.02.23**

**Langenbeck**



**77.04.70**

Ersatzsägeblatt  
Spare blade  
Hoja de repuesto  
Lame de rechange  
Lama di ricambio

29 cm – 11<sup>3</sup>/<sub>8</sub>"  
**77.04.29**

**Satterlee**



12 mm      18 mm  
**77.05.62      77.05.68**

Ersatzsägeblätter  
Spare blades  
Hojas de repuesto  
Lames de rechange  
Lame di ricambio

35 cm – 13<sup>3</sup>/<sub>4</sub>"  
**77.05.35**

komplett mit:  
complete with:  
completo con:  
complet avec:  
completo con:  
77.05.62 + 77.05.68

**Charrière**



**Amputationssägen  
Amputation Saws  
Sierras de amputación  
Scies à amputation  
Seghe per amputazione**



4 mm      6 mm      8 mm  
**77.05.74    77.05.76    77.05.78**

Ersatzsägeblätter  
Spare blades  
Hojas de repuesto  
Lames de rechange  
Lame di ricambio

42 cm – 16½"

**77.05.39**

komplett mit:  
complete with:  
completo con:  
complet avec:  
completo con:  
77.05.74 + 77.05.76 + 77.05.78

**Bier**



12 mm      18 mm  
**77.05.92    77.05.98**

Ersatzsägeblätter  
Spare blades  
Hojas de repuesto  
Lames de rechange  
Lame di ricambio

38 cm – 15"

**77.05.40**

komplett mit:  
complete with:  
completo con:  
complet avec:  
completo con:  
77.05.92 + 77.05.98

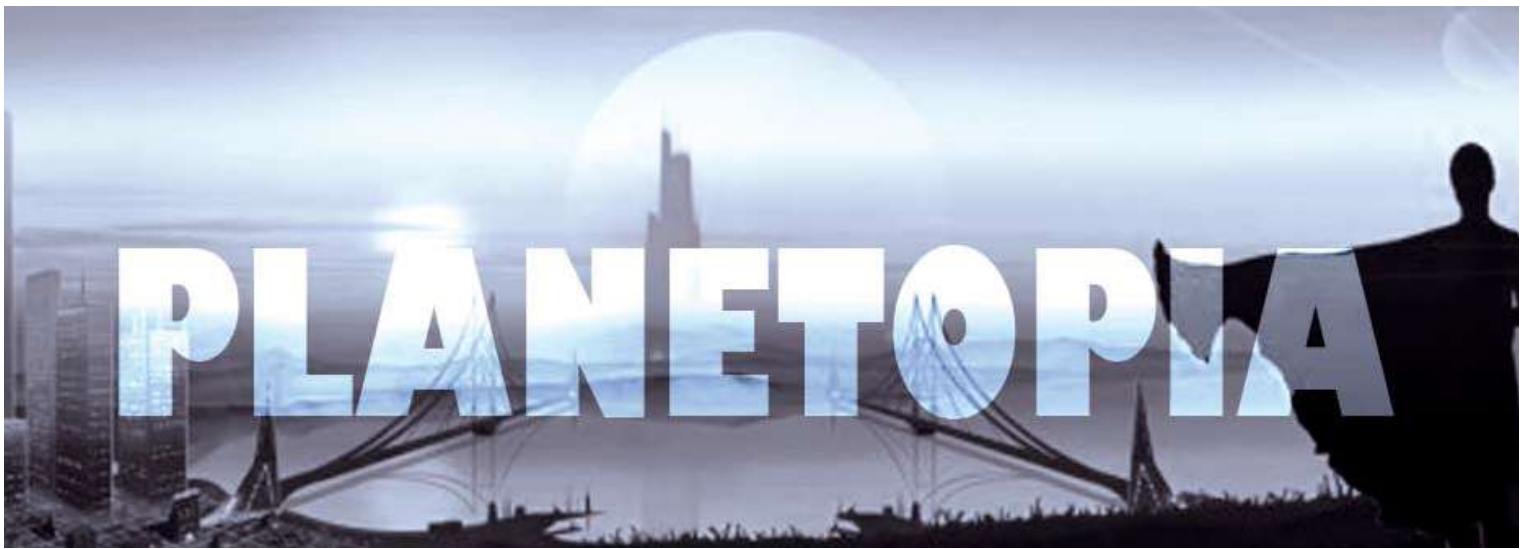
**Rust**

**Amputations-Retraktor  
Amputation Retractor  
Retractor de amputación  
Rétracteur à amputation  
Protettore per amputazione**



**77.09.50**

**Percy**



*is no more hope of stopping this madness. The lowest level is subject to the maximum security level; no maps exist. We don't know what to expect.”: Mr. Pink: “I think the cluster bombs from the Gatling guns will do their job well. My babies know what they have to do as soon as this door opens. They will immediately make a beeline to Lee. And explode BOOM.”:*

*2 minutes. “Gentlemen we have no more time. The system will soon complete its restart. If we are identified, we all know what to do. As soon as this door opens, it will be time to blow up the whole shit. I hope the future of the Ark will soon be in better hands. Gentlemen, it has been an honour working with you.”: Mr. Purple with a quivering voice while clenching the detonator in his left hand. “Load pulse guns. In position.”: Mr. Pink with a hoarse voice. “Air-lock opens in 3. 2. 1.”: Mr. White with a hard voice. Click, clack, BOOM. The time almost seemed to stand still. While the air-lock opened, the whole deep complex was shaken by a dull, deep rumble. Every moment was like an eternity. But no one could reckon with what they should expect. Five combat robots stood on*

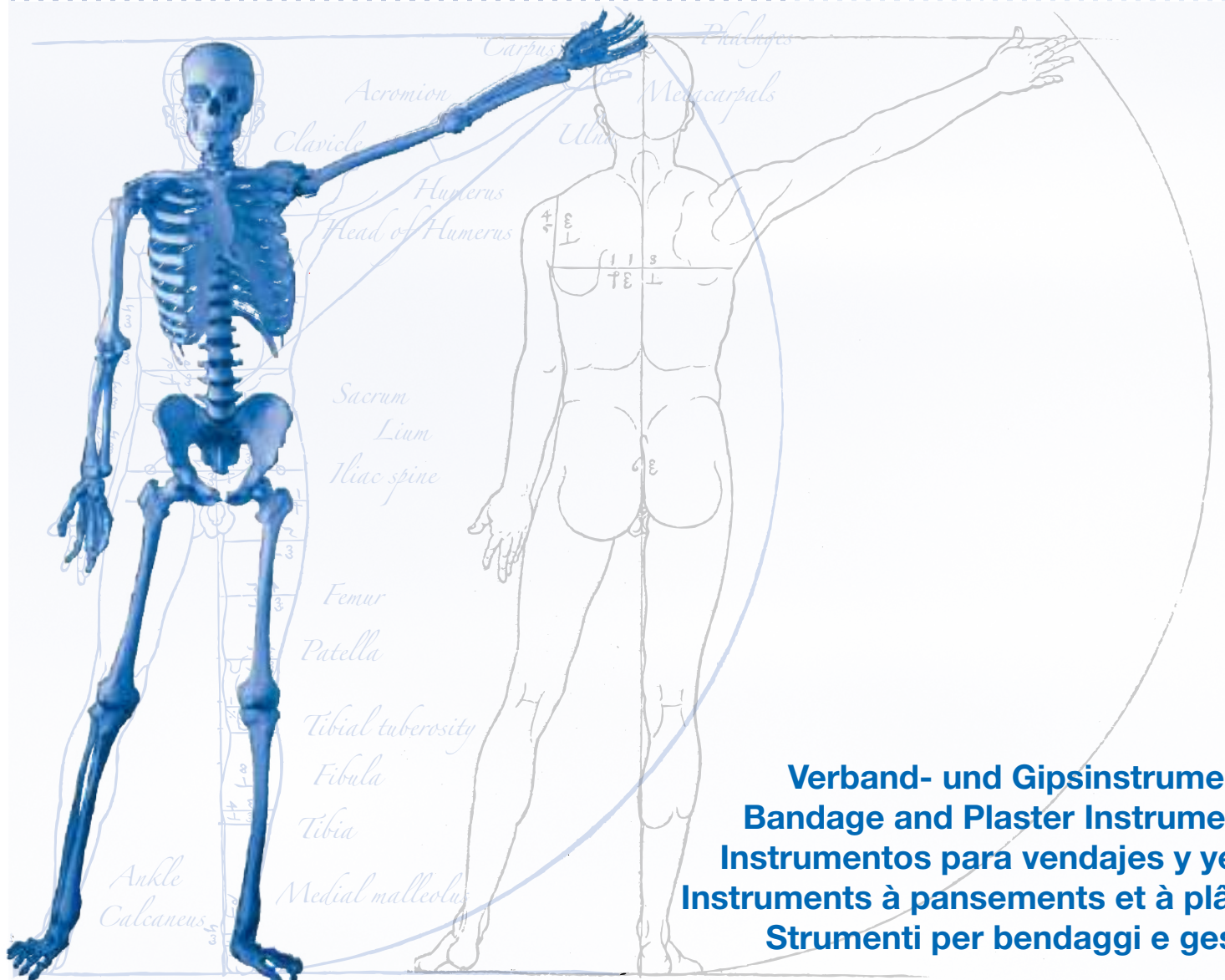
*one side of  
the air-lock  
ready*

*for action. Mr. Purple, Mr. Pink and Mr.*



# ORTHO PAEDICS

## IMPLANTS AND INSTRUMENTS



**Verband- und Gipsinstrumente**  
**Bandage and Plaster Instruments**  
**Instrumentos para vendajes y yeso**  
**Instrumenti à pansements et à plâtre**  
**Strumenti per bendaggi e gesso**





**Verbandscheren  
Bandage Scissors  
Tijeras para vendajes  
Ciseaux à pansements  
Forbici per bendaggi**



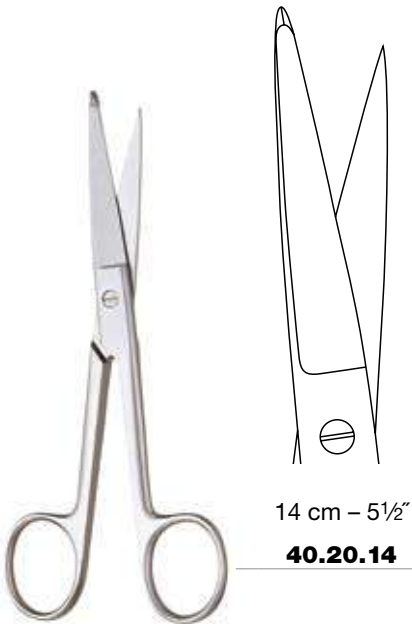
15 cm - 6"  
**40.04.15**

mit großem Ring  
with big ring  
con anillo grande  
avec grands anneaux  
con anello grande



18 cm - 7 1/8"  
**40.08.18**

**Smith**



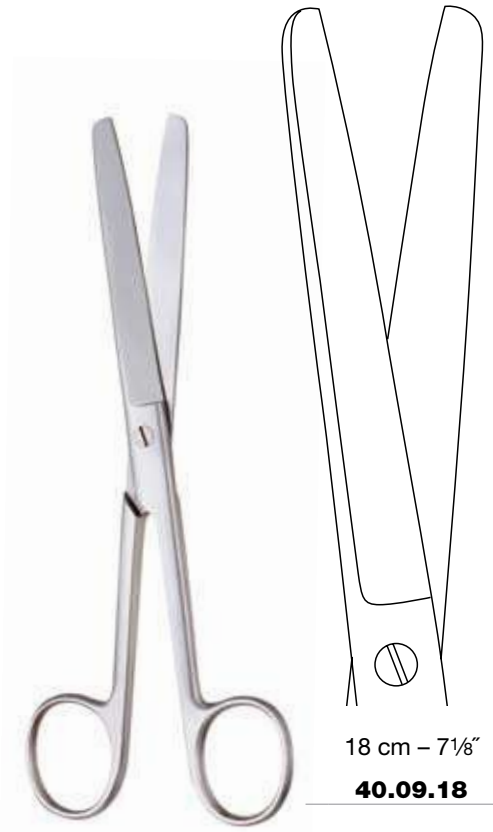
14 cm - 5 1/2"  
**40.20.14**

**Knowles**



14 cm - 5 1/2"  
**40.20.84**

**Knowles**



18 cm - 7 $\frac{1}{8}$ "

**40.09.18**

**Lange**



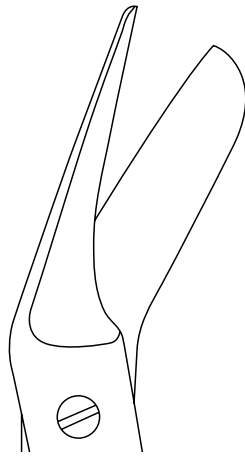
24 cm - 9 $\frac{1}{2}$ "

**40.13.24**

**Lorenz**

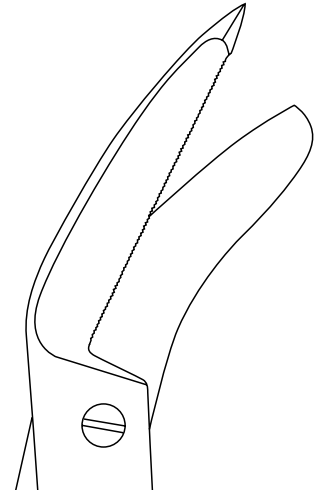


**Verbandscheren**  
**Bandage Scissors**  
**Tijeras para vendajes**  
**Ciseaux à pansements**  
**Forbici per bendaggi**



17 cm - 6¾"

**standard 40.24.17**

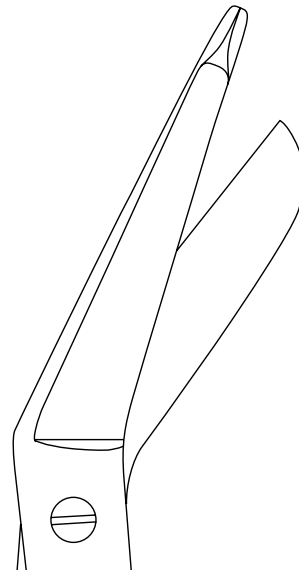


16 cm - 6¼"

**standard 40.25.96**

**supercut 240.25.96**

**Lister-Excentric**



20 cm - 8"

**standard 40.26.20**

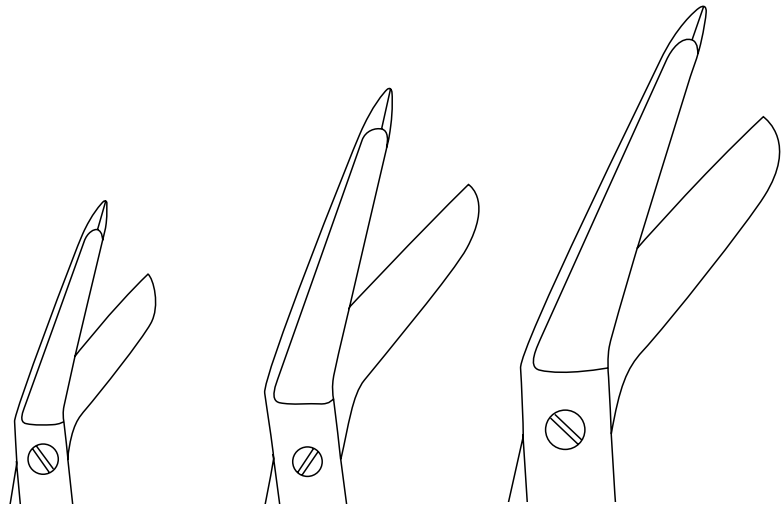
**supercut 240.26.20**

**"HM" 40.26.80**

**Lister**

mit großem Ring  
with big ring  
con anillo grande  
avec grands anneaux  
con anello grande

**Verbandscheren  
Bandage Scissors  
Tijeras para vendajes  
Ciseaux à pansements  
Forbici per bendaggi**



9 cm – 3½"

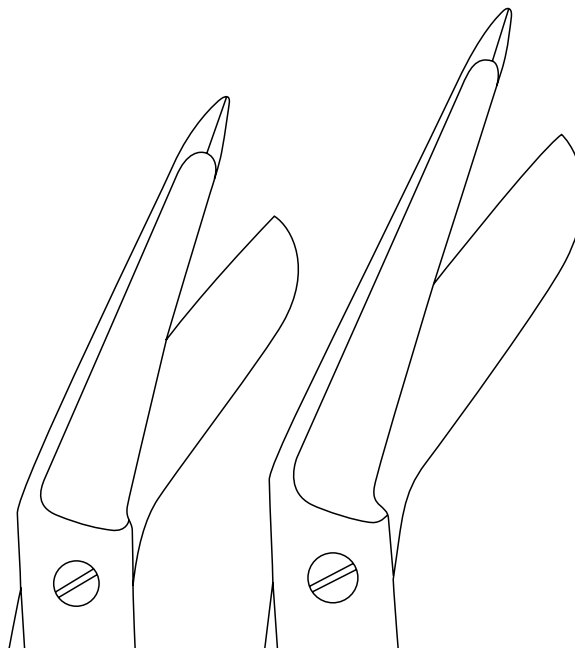
11,5 cm – 4½"

14 cm – 5½"

<b>standard</b>	<b>40.25.09</b>	<b>40.25.11</b>	<b>40.25.14</b>
<b>supercut</b>			<b>240.25.14</b>
<b>"HM"</b>			<b>40.25.64</b>



**Lister**



18 cm – 7⅞"

20 cm – 8"

<b>standard</b>	<b>40.25.18</b>	<b>40.25.20</b>
<b>supercut</b>	<b>240.25.18</b>	<b>240.25.20</b>
<b>"HM"</b>	<b>40.25.68</b>	<b>40.25.70</b>

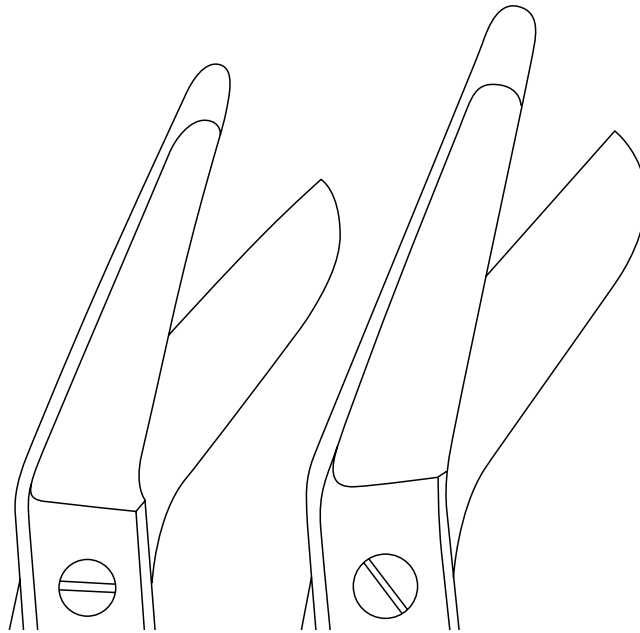
*of tear gas and nerve gas was so high that everything disappeared*



**Verbandscheren**  
**Bandage Scissors**  
**Tijeras para vendajes**  
**Ciseaux à pansements**  
**Forbici per bendaggi**



**Esmarch**



20 cm - 8"

22 cm - 8<sup>3</sup>/<sub>4</sub>"

**standard**

**40.31.20**

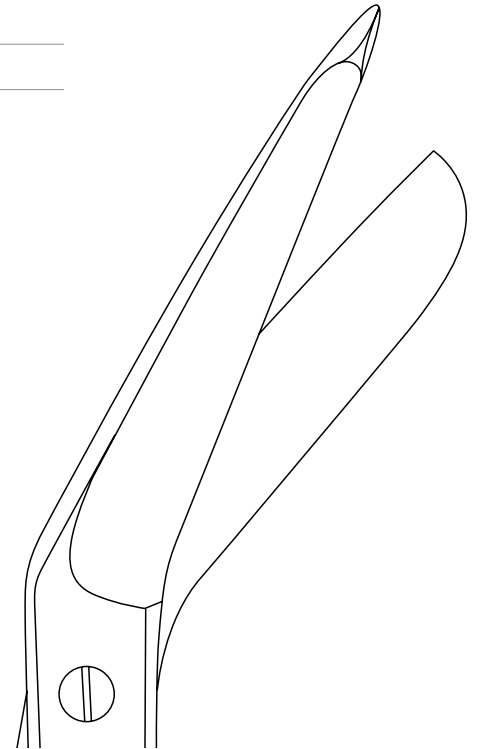
**40.31.22**

**supercut**

**240.31.20**



**Bergmann**



23 cm - 9"

**standard**

**40.33.23**

**Verbandscheren  
Bandage Scissors  
Tijeras para vendajes  
Ciseaux à pansements  
Forbici per bendaggi**



24 cm - 9½"

**standard 40.41.23**

**Bruns**



24 cm - 9½"

<b>standard</b>	<b>40.41.24</b>
<b>supercut</b>	<b>240.41.24</b>
<b>"HM"</b>	<b>40.41.74</b>

**Bruns**



**Verbandscheren**  
**Bandage Scissors**  
**Tijeras para vendajes**  
**Ciseaux à pansements**  
**Forbici per bendaggi**



eine Schneide gezahnt  
one blade serrated  
una hoja dentada  
une lame dentelée  
una lama dentata



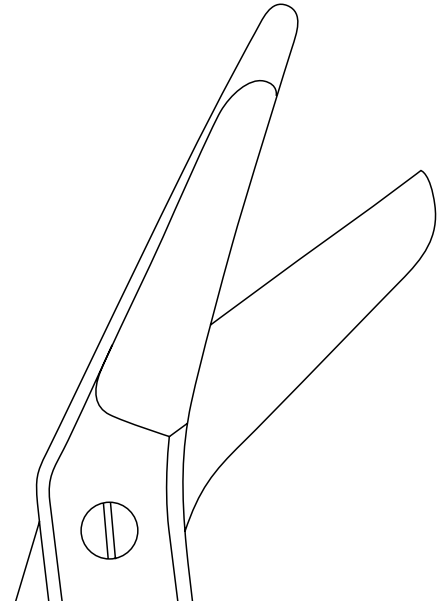
14 cm – 5½"

**40.47.14**

18 cm – 7⅛"

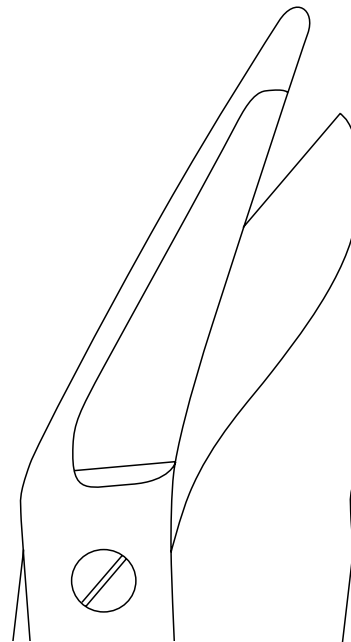
**40.47.18**

**Universal**



21 cm – 8¼"

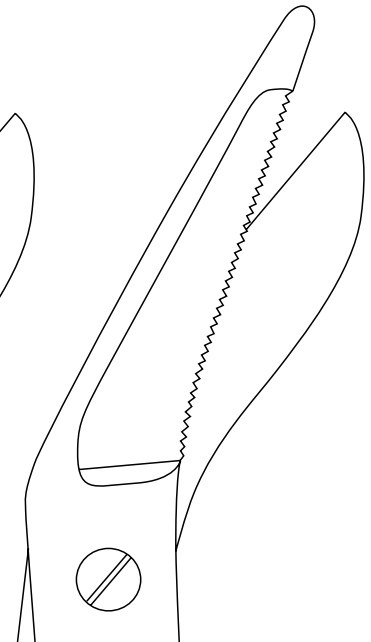
**40.47.21**



23 cm – 9"

**40.49.23**

**Seutin**



23 cm – 9"

**40.53.22**

**Medicon**





**40.53.73**

Ersatzklinge für 40.53.23  
Spare blade for 40.53.23  
Hoja de repuesto para 40.53.23  
Lame de rechange pour 40.53.23  
Lama di ricambio per 40.53.23



23 cm - 9"

**40.53.23**

**Stille**

**40.55.70**

Ersatzklinge für 40.55.20  
Spare blade for 40.55.20  
Hoja de repuesto para 40.55.20  
Lame de rechange pour 40.55.20  
Lama di ricambio per 40.55.20



20 cm - 8"

**40.55.20**

**Stille-Mini**



**Gipsscheren  
Plaster Shears  
Cizallas para yeso  
Cisailles à plâtre  
Cesoie per gesso**



23 cm – 9"

**40.55.23**

26 cm – 10¼"

**40.55.26**

37 cm – 14½"

**40.55.37**

**Stille**



37 cm – 14½"

**40.56.37**

**40.56.77**

Ersatzklinge für 40.56.37

Spare blade for 40.56.37

Hoja de repuesto para 40.56.37

Lame de rechange pour 40.56.37

Lama di ricambio per 40.56.37

**Stille**

Ersatzklingen  
Spare blades  
Hojas de repuesto  
Lames de rechanges  
Lame di ricambio

für  
for  
para  
pour  
per

**40.55.73**

40.55.23

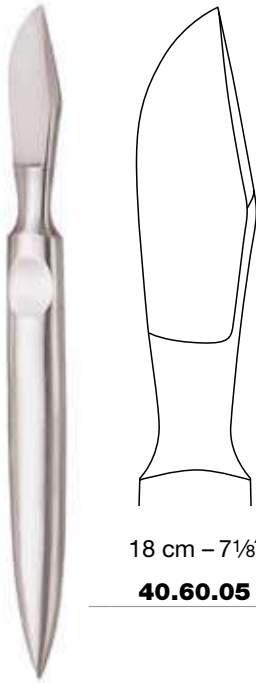
**40.55.76**

40.55.26

**40.55.77**

40.55.37

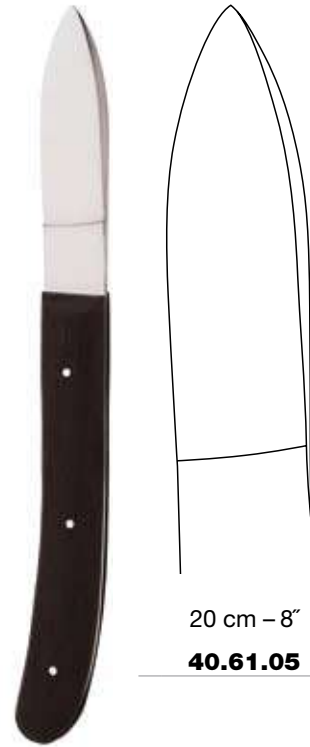
**Gipsmesser  
Plaster Knives  
Cuchillos para yeso  
Couteaux à plâtre  
Coltelli per gesso**



18 cm - 7 1/8"

**40.60.05**

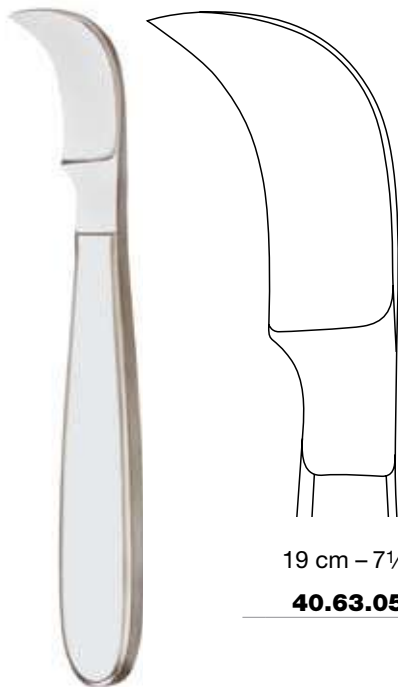
**Esmarch**



20 cm - 8"

**40.61.05**

**Hopkins**



19 cm - 7 1/2"

**40.63.05**

**Reiner**



Gipssäge  
Plaster saw  
Sierra para yeso  
Scie à plâtre  
Sega per gesso

15 cm - 6"

**40.66.05**

**Engel**



**Gipsspreizer, Gipsabreißzangen**  
**Plaster Spreaders, Plaster Cast Breakers**  
**Pinzas para abrir vendajes, Pinzas para arrancar vendajes enyesados**  
**Ecarteurs à plâtre, Pincas pour arracher les plâtres**  
**Allargagessi, Pinze strappagessi**



27 cm – 10¾"

**40.70.27**

**Hennig**



23 cm – 9"

**40.75.23**

**Mod. USA**



18 cm – 7½"

**40.81.18**

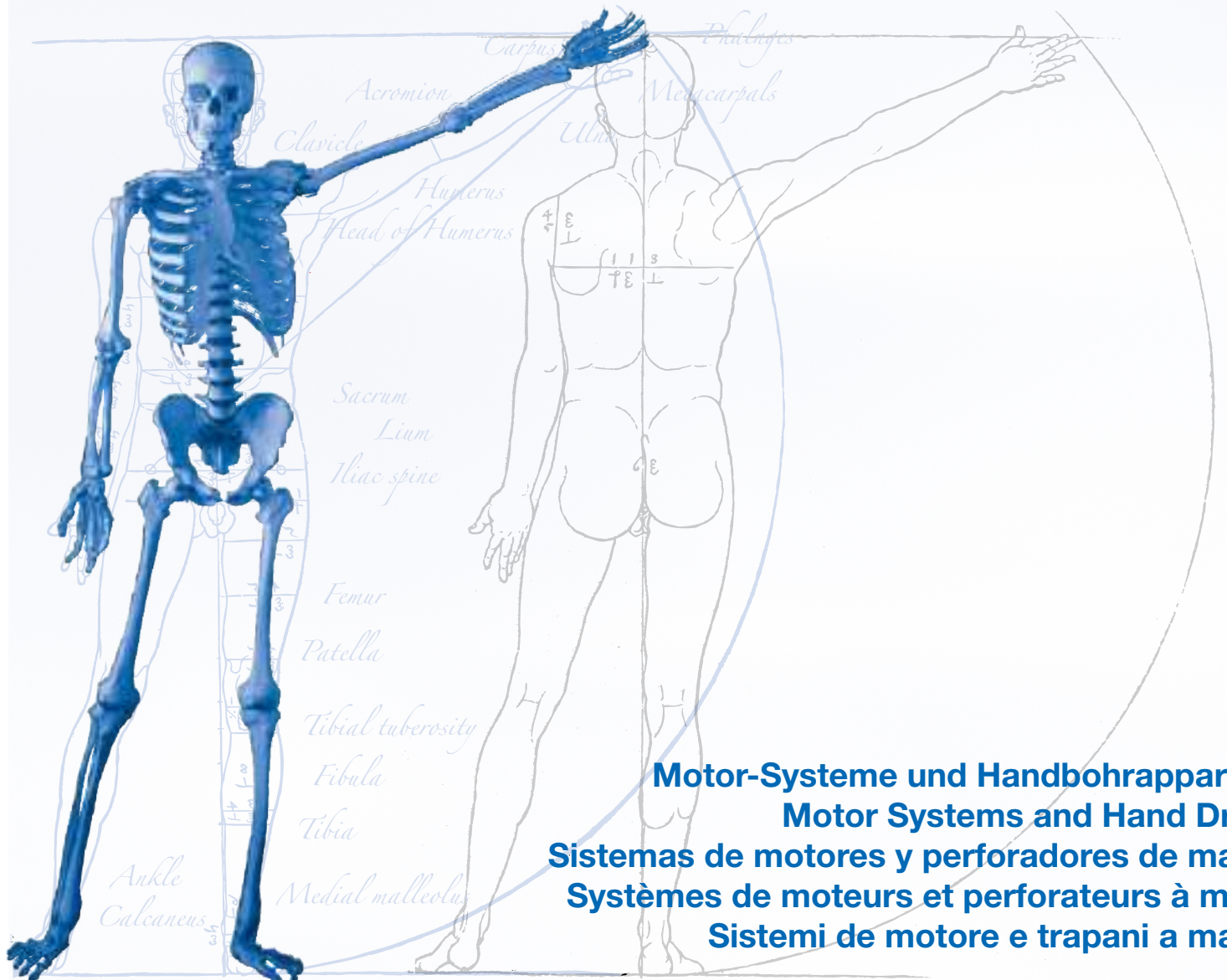
24 cm – 9½"

**40.81.24**

**Wolff-Boehler**

# ORTHOPAEDICS

## IMPLANTS AND INSTRUMENTS



**Motor-Systeme und Handbohrapparate**  
**Motor Systems and Hand Drills**  
**Sistemas de motores y perforadores de mano**  
**Systèmes de moteurs et perforateurs à main**  
**Sistemi di motore e trapani a mano**



**Elektrische oszillierende Verbandsäge**  
**Electric Oscillating Plaster Saw**  
**Sierra eléctrica oscilante para vendajes**  
**Scie électrique oscillante à plâtre**  
**Sega elettrica oscillante per gesso**



**TIGER**



120 Volt

**40.50.81**

230 Volt

**40.50.82**

Satz komplett im Kunststoffkoffer, bestehend aus:  
 Set complete in plastic case, consisting of:  
 Juego completo en maletín de plástico, compuesto de:  
 Jeu complet en valise plastique, se composant de:  
 Serie completa in valigetta di plastica, composta da:

Verbandsäge  
 Plaster saw  
 Sierra para vendajes  
 Scie à plâtre  
 Sega per gesso

<b>40.50.65</b>	1 Sägeblatt Ø 50 mm 1 Saw blade Ø 50 mm 1 Hoja de sierra Ø 50 mm 1 Lame de scie Ø 50 mm 1 Lama da sega Ø 50 mm
<b>40.50.69</b>	1 Sägeblatt Ø 65 mm 1 Saw blade Ø 65 mm 1 Hoja de sierra Ø 65 mm 1 Lame de scie Ø 65 mm 1 Lama da sega Ø 65 mm
<b>40.50.71</b>	1 Paar Gabelschlüssel 1 Pair of wrenches 1 Par de llaves 1 Paire de clés 1 Paio di chiavi

Ø 50 mm

**40.50.65**

Sägeblatt für Kunststoff- und Fiberglas-Hartverbände  
 Saw blade for synthetic and fibre-glass dressings  
 Hoja de sierra para vendajes sintéticos y fibra de vidrio  
 Lame de scie pour plâtres durs synthétiques et en résine  
 Lama da sega per gesso duro in sintetico e fibra di vetro



Ø 65 mm

**40.50.69**

Sägeblatt für Naturgipsverband  
 Saw blade for plaster dressing  
 Hoja de sierra para vendajes de yeso natural  
 Lame de scie pour bandage en plâtre naturel  
 Lama da sega per bendaggi in gesso naturale



**40.50.71**

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 Accesorios adicionales vea la página 284 + 285  
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 Accessori vedi pagina 284 + 285



**Elektrische oszillierende Verbandsäge**  
**Electric Oscillating Plaster Saw**  
**Sierra eléctrica oscilante para vendajes**  
**Scie électrique oscillante à plâtre**  
**Sega elettrica oscillante per gesso**



**Vorteile:**

- ▶ Robuste Konstruktion
- ▶ Hohe Belastbarkeit im Dauerbetrieb
- ▶ Vibrationsarm
- ▶ Automatischer Überlastungsschutz
- ▶ Wartungsfrei
- ▶ Geringes Gewicht
- ▶ Ergonomisches Handling
- ▶ Schwingungen sind stufenlos regulierbar
- ▶ Motorlagerung geschützt gegen Verbandstoffstaub

**Advantages:**

- ▶ Solid construction
- ▶ High capacity during permanent use
- ▶ Low vibrations
- ▶ Automatic overload protection
- ▶ Maintenance free
- ▶ Low weight
- ▶ Ergonomic handling
- ▶ Continuously variable adjustment of oscillations
- ▶ Motor protected against dust of dressings

**Ventajas:**

- ▶ Construcción robusta
- ▶ Gran capacidad de carga, también en uso continuo
- ▶ Nivel de vibración reducido
- ▶ Protección automática contra sobrecarga
- ▶ Libre de mantenimiento
- ▶ Peso reducido
- ▶ Manejo ergonómico
- ▶ Oscilaciones regulables sin escalonamientos
- ▶ Motor protegido contra polvo de vendaje

**Avantages:**

- ▶ Construction robuste
- ▶ Capacité élevée pendant usage permanent
- ▶ Niveau de vibration réduit
- ▶ Protection automatique contre surcharge
- ▶ Demande pas d'entretien
- ▶ Poids réduit
- ▶ Ergonomique
- ▶ Réglables progressivement oscillations
- ▶ Moteur avec protection contre poussière de plâtre

**Vantaggi:**

- ▶ Costruzione robusta
- ▶ Elevata capacità alle sollecitazioni anche in uso continuo
- ▶ Ridotto livello di vibrazioni
- ▶ Protezione automatica contro sovraccarichi
- ▶ Senza manutenzione
- ▶ Peso ridotto
- ▶ Ergonomica
- ▶ Oscillazioni regolabili in modo continuo
- ▶ Motore protetto contro la polvere del gesso



**TIGER**

**Technische Daten:**

230 Volt, 50 Hz oder 110 Volt, 60 Hz  
500 Watt  
6500-24000 Schwingungen pro Minute  
Anschlußkabel 5 m  
Doppelschutzisolierung  
Schutzklasse II  
Typ BF

**Technical data:**

230 Volt, 50 cycles or 110 Volt, 60 cycles  
500 Watt  
6500-24000 oscillations per minute  
Connecting cable 5 m  
Double insulated  
Safety classification II  
Typ BF

**Especificaciones técnicas:**

230 Voltios, 50 Hz o bien 110 Voltios, 60 Hz  
500 Vatios  
6500-24000 oscilaciones por minuto  
Cable de conexión eléctrico 5 m  
Aislamiento protector doble  
Clase de protección II  
Tipo BF

**Caractéristiques techniques:**

230 volt, 50 Hz ou 110 volt, 60 Hz  
500 watt  
6500-24000 oscillations par minute  
Câble d'alimentation de 5 m  
Double isolation  
Classe de protection II  
Type BF

**Dati tecnici:**

230 volt, 50 Hz o 110 volt, 60 Hz  
500 watt  
6500-24000 oscillazioni al minuto  
Cavo di connessione 5 m  
Doppio isolamento  
Classe protettiva II  
Tipo BF





**Elektrische oszillierende Verbandsäge**  
**Electric Oscillating Plaster Saw**  
**Sierra eléctrica oscilante para vendajes**  
**Scie électrique oscillante à plâtre**  
**Sega elettrica oscillante per gesso**

**OSCILLO V**



120 Volt

**40.50.39**

230 Volt

**40.50.40**

Satz komplett im Kunststoffkoffer, bestehend aus:  
 Set complete in plastic case, consisting of:  
 Juego completo en maletín de plástico, compuesto de:  
 Jeu complet en valise plastique, se composant de:  
 Serie completa in valigetta di plastica, composta da:

Verbandsäge  
 Plaster saw  
 Sierra para vendajes  
 Scie à plâtre  
 Sega per gesso

**40.50.65**  
 1 Sägeblatt Ø 50 mm  
 1 Saw blade Ø 50 mm  
 1 Hoja de sierra Ø 50 mm  
 1 Lame de scie Ø 50 mm  
 1 Lama da sega Ø 50 mm

**40.50.69**  
 1 Sägeblatt Ø 65 mm  
 1 Saw blade Ø 65 mm  
 1 Hoja de sierra Ø 65 mm  
 1 Lame de scie Ø 65 mm  
 1 Lama da sega Ø 65 mm

**40.50.71**  
 1 Paar Gabelschlüssel  
 1 Pair of wrenches  
 1 Par de llaves  
 1 Paire de clés  
 1 Paio di chiavi

Ø 50 mm

**40.50.65**

Sägeblatt für Kunststoff- und Fiberglas-Hartverbände  
 Saw blade for synthetic and fi bre-glass dressings  
 Hoja de sierra para vendajes sintéticos y fi bra de vidrio  
 Lame de scie pour platres durs synthétiques et en résine  
 Lama da sega per gesso duro in sintetico e fibra di vetro

Ø 65 mm

**40.50.69**

Sägeblatt für Naturgipsverband  
 Saw blade for plaster dressing  
 Hoja de sierra para vendajes de yeso natural  
 Lame de scie pour bandage en plâtre naturel  
 Lama da sega per bendaggi in gesso naturale



**40.50.71**

**Technische Daten:**

**Technical data:**

**Especificaciones técnicas:**

**Caracteristiques techniques:**

**Dati tecnici:**

10.000 – 19.000	Schwingungen pro Minute Oscillations per minute Oscilaciones por minuto Oscillations par minute Oscillazioni al minuto
3 m	Anschlußkabel Connecting cable Cable de conexión eléctrico Cable d'alimentation Cavo di connessione
	230 V, 50 Hz 120 V, 60 Hz 210 W

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**Staubsauger für Gipssägen**  
**Vacuum Cleaner for plaster saws**  
**Aspirador para sierras de yeso**  
**Aspirateur pour scies à plâtre**  
**Aspiratore per seghe per gesso**



120 V, 1100 W

**40.50.45**

230 V, 1100 W

**40.50.46**

für; for; para; pour; per:



**TIGER**  
**OSCILLO V**

**Lieferumfang:**

1 Staubsauger (ohne Gipssäge) inkl. Saugschlauch und Ständer für Saugschlauch sowie Ablageschale für Gipssäge, 1 Saugdüse für die Befestigung des Saugschlauchs an der Gipssäge, 1 HEPA Filter, 1 Duftstäbchen, 1 Papiersack

**Content of delivery:**

1 Vacuum cleaner (without plaster saw) incl. suction tube, support device for suction tube and support plate for plaster saw, 1 suction nozzle to connect the suction tube to the plaster saw, 1 HEPA filter, 1 perfume stick, 1 paper bag

**Suministro:**

1 Aspirador (sin sierra de yeso) incl. manguera de aspiración y soporte para la manguera, además una bandeja para depositar la sierra de yeso, 1 tobera aspiradora para la fijación de la manguera de aspiración a la sierra de yeso, 1 filtro HEPA, 1 bastoncillo perfumado, 1 saco de papel

**Contenu de base:**

1 Aspirateur (sans scie à plâtre) avec tuyau d'aspiration et support pour le tuyau d'aspiration et panier pour le rangement de la scie à plâtre, 1 buse d'aspiration pour la fixation du tuyau d'aspiration à la scie à plâtre, 1 filtre HEPA, 1 bâtonnet odorante, 1 sac papier

**Fornitura composta da:**

1 Aspiratore (senza sega per gesso) incl. tubo di aspirazione e supporto per il tubo come anche l'appoggio per sega per gesso, 1 ugello per l'applicazione del tubo d'aspirazione alla sega, 1 filtro HEPA, 1 bastoncino odorante, 1 sacchetto di carta

**Technische Daten:**

**Technical data:**

**Especificaciones técnicas:**

**Caractéristiques techniques:**

**Dati tecnici:**

0,3 micron	Filtrierung Filtration Filtración Filtration Filtrazione
12 l	Tankinhalt Tank capacity Capacidad del tanque Capacité de la cuve Capacità del cassone
150 cm	Höhe Height Altura Hauteur Altezza
12 kg	Gewicht Weight Peso Poids Peso

**40.50.48**

**Service Set:** 1 HEPA-Filter, 6 Papiersäcke, 6 Duftstäbchen

**Service set:** 1 HEPA-filter, 6 paper bags, 6 perfume sticks

**Set servizio:** 1 filtro HEPA, 6 sacos de papel, 6 bastoncillos perfumados

**Set service:** 1 filtre HEPA, 6 sacs en papier, 6 bâtonnets odorants

**Set servizio:** 1 filtro HEPA, 6 sacchetti di carta, 6 bastoncini odoranti



**Zubehör**  
**Accessories**  
**Accesorios**  
**Accessoires**  
**Accessori**

für; for; para; pour; per:



Sägeblätter für Kunststoff- u. Fiberglas-Hartverbände  
Saw blades for synthetic and fibre-glass dressings  
Hojas de sierra para vendajes sintéticos y fibra de vidrio  
Lames de scie pour plâtres durs synthétiques et en résine  
Lame da sega per gesso duro in sintetico e fibra di vetro



Ø 50 mm  
**40.50.65**



Ø 65 mm  
**40.50.74**

Exzentrische Begrenzungsscheibe für Sägeblätter  
40.50.66 und 40.50.69

Eccentric disc to limit depth of cut for saw blades  
40.50.66 and 40.50.69

Disco excéntrico para limitar la profundidad del corte para  
sierras 40.50.66 y 40.55.69

Disque excentrique pour limiter la profondeur de la coupe,  
pour lames de scie 40.50.66 et 40.50.69

Disco eccentrico per lame da seghe  
40.50.66 e 40.50.69



Ø 65 mm  
**40.50.66**



für; for; para; pour; per:



**TIGER**  
**OSCILLO V**

Sägeblätter für Naturgipsverband  
Saw blades for plaster dressing  
Hojas de sierra para vendajes de yeso natural  
Lames de scie pour bandage en plâtre naturel  
Lame da sega per bendaggi in gesso naturale



Ø 50 mm

**40.50.68**



**40.50.72**

Segmentsägeblatt  
Segmental saw blade  
Hoja de sierra de segmento  
Lame de scie en segments  
Lama da sega segmento



Ø 65 mm

**40.50.69**



**40.50.73**

Tiefensägeblatt  
Depth saw blade  
Hoja de sierra de profundidad  
Lame de scie pour profondeur  
Lama da sega per profondità

Gabelschlüssel für Sägeblattwechsel, Paar  
Wrenches for exchange of saw blades, pair  
Llaves de boca para cambiar la hoja de sierra, par  
Clés pour échanger la lame de scie, paire  
Chiavi per cambiare la lama per sega, paio



**40.50.71**



**Elektrische oszillierende Verbandsäge**  
**Electric Oscillating Plaster Saw**  
**Sierra eléctrica oscilante para vendajes**  
**Scie électrique oscillante à plâtre**  
**Sega elettrica oscillante per gesso**

**OSCILLOCOMPACT**



110 / 240 Volt

**40.60.60**

Satz komplett im Kunststoffkoffer, bestehend aus:  
 Set complete in plastic case, consisting of:  
 Juego completo en maletín de plástico, compuesto de:  
 Jeu complet en valise plastique, se composant de:  
 Serie completa in valigetta di plastica, composta da:

**40.60.61** Verbandsäge mit Netzteil  
 Plaster saw with power supply  
 Sierra para vendajes con equipo de alimentación  
 Scie à plâtre avec transformateur  
 Sega per gesso con sezione rete

**40.62.50** 1 Sägeblatt Ø 50 mm  
 1 Saw blade Ø 50 mm  
 1 Hoja de sierra Ø 50 mm  
 1 Lame de scie Ø 50 mm  
 1 Lama da sega Ø 50 mm

**40.60.65** 1 Sägeblatt Ø 65 mm  
 1 Saw blade Ø 65 mm  
 1 Hoja de sierra Ø 65 mm  
 1 Lame de scie Ø 65 mm  
 1 Lama da sega Ø 65 mm

**40.60.64** 1 Tiefenanschlag  
 1 Depth gauge  
 1 Tope de profundidad  
 1 Guide de profondeur réglable  
 1 Guida di profondità

Netzteil  
 Power Supply  
 Equipo de alimentación  
 Transformateur  
 Sezione rete



**Technische Daten:**  
**Technical data:**  
**Especificaciones técnicas:**  
**Caracteristiques techniques:**  
**Dati tecnici:**

110 / 240 Volt  
 50 / 60 Hz  
 100 Watt  
 210 mm x Ø 46 mm, 760 g

**Elektrische oszillierende Verbandsäge**  
**Electric Oscillating Plaster Saw**  
**Sierra eléctrica oscilante para vendajes**  
**Scie électrique oscillante à plâtre**  
**Sega elettrica oscillante per gesso**



**OSCILLOCOMPACT**



Ø 50 mm      Ø 65 mm

**40.62.50      40.62.65**

Sägeblätter für Kunststoffverband  
Saw blades for synthetic dressing  
Hojas de sierra para vendajes sintéticos  
Lames de scie pour bandage synthétique  
Lame da sega per bendaggi di plastica



Ø 50 mm

**40.61.50**



Ø 50 mm      Ø 65 mm

**40.60.50      40.60.65**

Sägeblätter für Naturgipsverband  
Saw blades for plaster dressing  
Hojas de sierra para vendajes de yeso natural  
Lames de scie pour bandage en plâtre naturel  
Lame da sega per bendaggi in gesso naturale



Ø 65 mm

**40.61.65**



**40.60.64**

Tiefenanschlag  
Depth gauge  
Tope de profundidad  
Guide de profondeur réglable  
Guida di profondità



**40.60.62**

Kunststoffkoffer  
Plastic case  
Maletín de plástico  
Valise plastique  
Valigetta di plastica



**Staubsauger  
Vacuum Cleaner  
Aspirador  
Aspirateur  
Aspiratore**

**OSCI-CLEAN**



230 V, 600 W

**40.60.80**

120 V, 1000 W

**40.60.81**

**40.60.84**

Ersatz-Papiersack  
Spare paper bag  
Saco de papel de repuesto  
Sac papier de rechange  
Sacchetto di carta di ricambio

Verpackungseinheit 10 Stück  
Packing unit 10 pieces  
Unidad de 10 piezas  
Emballage de 10 pièces  
Confezione da 10 pezzi

für; for; para; pour; per:

**OSCILLOCOMPACT**

siehe Seite 286 + 287  
see pages 286 + 287  
vease paginas 286 + 287  
voir pages 286 + 287  
vedi pagina 286 + 287

**Technische Daten:  
Technical data:  
Especificaciones técnicas:  
Caracteristiques techniques:  
Dati tecnici:**

0,3 micron	Filtrierung Filtration Filtración Filtration Filtrazione
12 l	Tankinhalt Tank capacity Capacidad del tanque Capacité de la cuve Capacità del cassone
146 cm	Höhe Height Altura Hauteur Altezza
12 kg	Gewicht Weight Peso Poids Peso

**Lieferumfang:**

1 Staubsauger (ohne Gipssäge) inkl. Saugschlauch und Ständer für Saugschlauch sowie Ablageschale für Gipssäge, 1 Saugdüse für die Befestigung des Saugschlauchs an der Gipssäge, 2 HEPA Filter, 1 Polyester-Filter, 1 Papiersack

**Content of delivery:**

1 Vacuum cleaner (without plaster saw) incl. suction tube, support device for suction tube and support plate for plaster saw, 1 suction nozzle to connect the suction tube to the plaster saw, 2 HEPA filters, 1 polyester filter, 1 paper bag

**Suministro:**

1 Aspirador (sin sierra de yeso) incl. manguera de aspiración y soporte para la manguera, además una bandeja para depositar la sierra de yeso, 1 tobera aspiradora para la fijación de la manguera de aspiración a la sierra de yeso, 2 filtros HEPA, 1 filtro de poliéster, 1 saco de papel

**Contenu de base:**

1 Aspirateur (sans scie à plâtre) avec tuyau d'aspiration et support pour le tuyau d'aspiration et panier pour le rangement de la scie à plâtre, 1 buse d'aspiration pour la fixation du tuyau d'aspiration à la scie à plâtre, 2 filtres HEPA, 1 filtre polyester, 1 sac papier.

**Fornitura composta da:**

1 Aspiratore (senza sega per gesso) incl. tubo di aspirazione e supporto per il tubo come anche l'appoggio per sega per gesso, 1 ugello per l'applicazione del tubo d'aspirazione alla sega, 2 filtri HEPA, 1 filtro di poliestere, 1 sacchetto di carta



**Handbohrapparat**  
**Hand Drill**  
**Perforador de mano**  
**Perforateur à main**  
**Trapano a mano**



**76.50.70**

**Moore**

**76.50.71**

Handbohrapparat allein  
Brace only  
Perforador de mano sólo  
Perforateur à main seul  
Trapano a mano solo

Ø 3,2 mm



7 cm – 2¾"    9 cm – 3½"

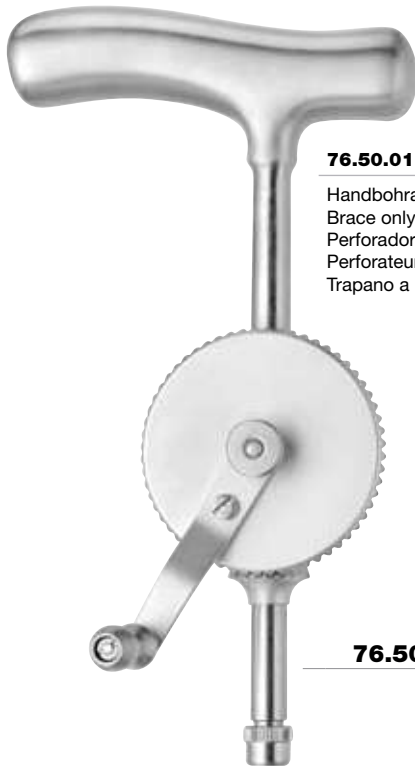
**76.50.77**    **76.50.79**

Spiralbohrer  
Twist drills  
Brocas espirales  
Forets hélicoïdaux  
Perforatori elicoidali

- ▶ mit Dreibackenspannfutter, von Hand zu spannen, komplett mit 2 Spiralbohrern Nr. 76.50.77 und 1 Spiralbohrer Nr. 76.50.79
- ▶ with three-jaw chuck, locked by hand, complete with 2 twist drills No. 76.50.77 and 1 twist drill No. 76.50.79
- ▶ con manguito trimandibular, tensor de mano, completo con 2 brocas espirales No. 76.50.77 y 1 broca espiral No. 76.50.79
- ▶ avec mandrin à trois mâchoires, tendre à main, complet avec 2 forets hélicoïdaux No. 76.50.77 et 1 foret hélicoïdal No. 76.50.79
- ▶ con mandrino a tre ganasce, da tendere a mano, completo di 2 perforatori elicoidali No. 76.50.77 ed 1 perforatore elicoidali No. 76.50.79



**Handbohrapparate  
Hand Drills  
Perforadoras de mano  
Perforateurs à main  
Trapani a mano**



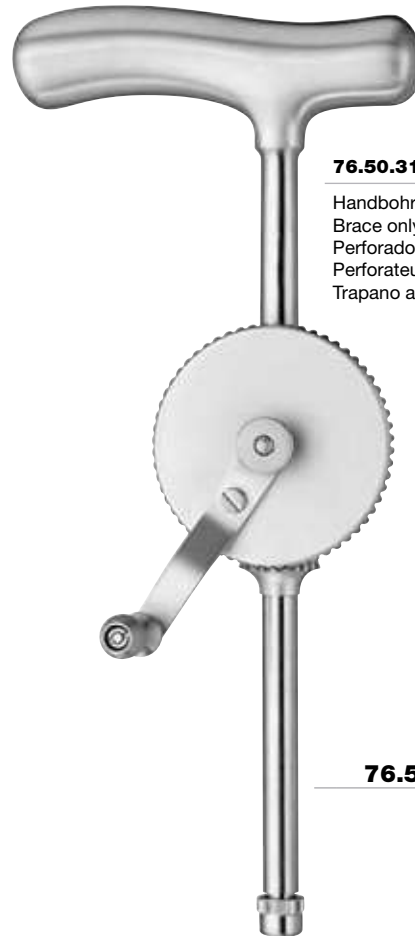
**76.50.01**

Handbohrapparat allein  
Brace only  
Perforador de mano sólo  
Perforateur à main seul  
Trapano a mano solo

**76.50.00**

**Stille**

- ▶ komplett mit 9 Bohrern und Fräsern  
Nr. 76.50.11 – 76.50.19
- ▶ complete with 9 drills and burrs  
No. 76.50.11 – 76.50.19
- ▶ completo con 9 brocas y fresas  
No. 76.50.11 – 76.50.19
- ▶ complet avec 9 forets et fraises  
No. 76.50.11 – 76.50.19
- ▶ completo con 9 perforatori e frese  
No. 76.50.11 – 76.50.19



**76.50.31**

Handbohrapparat allein  
Brace only  
Perforador de mano solo  
Perforateur à main seul  
Trapano a mano solo

**76.50.30**

**Stille-Sherman**

- ▶ komplett mit 3 Bohrern  
Nr. 76.50.11, 76.50.12 und 76.50.13
- ▶ complete with 3 drills  
No. 76.50.11, 76.50.12 and 76.50.13
- ▶ completo con 3 brocas  
No. 76.50.11, 76.50.12 y 76.50.13
- ▶ complet avec 3 forets  
No. 76.50.11, 76.50.12 et 76.50.13
- ▶ completo con 3 perforatori  
No. 76.50.11, 76.50.12 e 76.50.13

Passende Bohrer, Fräser und Trephine siehe Folgesseite.  
See following page for suitable drills, burrs and trephines.  
Brocas, fresas y trépanos adecuados vease la siguiente página.  
Forets, fraises et tréphine appropriés voir à la page suivante.  
Perforatori adatti, frese e trapani vedi pagina seguente.

**Einsätze für Handbohrapparate**  
**Hand Drills Accessories**  
**Insertos para perforadoras de mano**  
**Embouts pour perceurs à main**  
**Inserti per trapani a mano**



Spiralbohrer  
 Twist drills  
 Brocas espirales  
 Forets hélicoïdaux  
 Perforatori elicoidali



# 1 – Ø 2,5 mm

**76.50.11**



# 2 – Ø 3 mm

**76.50.12**



# 3 – Ø 3,5 mm

**76.50.13**



# 4 – Ø 4 mm

**76.50.14**



# 5 – Ø 10 mm

**76.50.15**

Trepine  
 Trepine  
 Trépano  
 Tréphine  
 Trapano

Fräser  
 Burrs  
 Fresas  
 Fraises  
 Frese



# 6 – Ø 5 mm

**76.50.16**



# 7 – Ø 8 mm

**76.50.17**



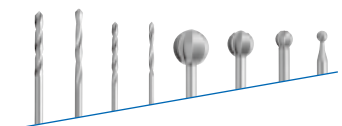
# 8 – Ø 12 mm

**76.50.18**



# 9 – Ø 16 mm

**76.50.19**



# 1 – 9

**76.50.10**

Satz komplett  
 Set complete  
 Juego completo  
 Jeu complet  
 Set completo

passend für 76.50.00 und 76.50.30  
 suitable for 76.50.00 and 76.50.30  
 adecuados para 76.50.00 y 76.50.30  
 appropriés pour 76.50.00 et 76.50.30  
 adatti per 76.50.00 e 76.50.30

*splitters were thrown up and pierced almost all bodies. The last*



**Handbohrapparat  
Hand Drill  
Perforador de mano  
Perforateur à main  
Trapano a mano**

für Bohrer bis Ø 4 mm,  
für KIRSCHNER Bohrdrähte bis Ø 3 mm

for twist drills up to Ø 4 mm,  
for KIRSCHNER wires up to Ø 3 mm

para brocas hasta Ø 4 mm,  
para brocas de KIRSCHNER hasta Ø 3 mm

pour forets jusqu'à Ø 4 mm,  
pour broches de KIRSCHNER jusqu'à Ø 3 mm

per perforatori fino Ø 4 mm,  
per perforatori filiformi di KIRSCHNER fino Ø 3 mm



**76.51.10**

**Bunnell**



**76.51.11**

Spannschlüssel allein  
Tightening wrench only  
Llave tensora sola  
Clé seule  
Chiave di serraggio

- ▶ mit Jacobs-Dreibackenspannfutter und Schlüssel, kleines Modell, mit längsdurchbohrtem Kanal für KIRSCHNER Bohrdrähte
- ▶ with Jacobs three-jaw chuck and wrench, small pattern, with axial channel for passing KIRSCHNER wires
- ▶ con plato de tres mordazas de Jacobs, con llave, modelo pequeño, con conducto longitudinal para pasar brocas filiformes de KIRSCHNER
- ▶ avec mandrin de Jacobs à trois mâchoires, avec clé, petit modèle, avec conduit longitudinal pour broches de KIRSCHNER
- ▶ con mandrino Jacobs a tre ganasce, con chiave, modello piccolo, con condotto cannulato per il passaggio di perforatori filiformi di KIRSCHNER

**Handbohrapparat  
Hand Drill  
Perforador de mano  
Perforateur à main  
Trapano a mano**



für Bohrer bis Ø 6 mm,  
für KIRSCHNER Bohrdrähte bis Ø 3 mm

for twist drills up to Ø 6 mm,  
for KIRSCHNER wires up to Ø 3 mm

para brocas hasta Ø 6 mm,  
para brocas de KIRSCHNER hasta Ø 3 mm

pour forets jusqu'à Ø 6 mm,  
pour broches de KIRSCHNER jusqu'à Ø 3 mm

per perforatori fino Ø 6 mm,  
per perforatori filiformi di KIRSCHNER fino Ø 3 mm



Griff umstellbar  
Adjustable handle  
Mango ajustable  
Manche ajustable  
Manico reversibile

**76.50.80**

- ▶ mit umstellbarem Handgriff und Dreibackenspannfutter, mit Schlüssel, mit längsdurchbohrtem Kanal für KIRSCHNER Bohrdrähte
- ▶ with adjustable handle and three-jaw chuck, with wrench, with axial channel for passing KIRSCHNER wires
- ▶ con mango ajustable y plato de tres mordazas, con llave, con conducto longitudinal para pasar brocas filiformes de KIRSCHNER
- ▶ avec manche ajustable et mandrin à trois mâchoires, avec clé, avec conduit longitudinal pour broches de KIRSCHNER
- ▶ con manico reversibile e mandrino a tre ganasce, con chiave, con condotto cannulato per il passaggio di perforatori filiformi di KIRSCHNER



**76.50.81**

Spannschlüssel allein  
Tightening wrench only  
Llave tensora sola  
Clé seule  
Chiave di serraggio

*cluster bombs. All this took place in less than a minute. Now the*



**Handbohrapparat, Bohrer  
Hand Drill, Drills  
Perforador de mano, Brocas  
Perforateur à main, Forets  
Trapano a mano, Perforatori**

für Bohrer bis Ø 7 mm,  
für KIRSCHNER Bohrdrähte bis Ø 4 mm  
for twist drills up to Ø 7 mm,  
for KIRSCHNER wires up to Ø 4 mm

para brocas hasta Ø 7 mm,  
para brocas de KIRSCHNER hasta Ø 4 mm

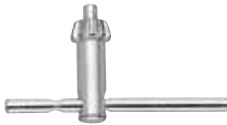
pour forets jusqu'à Ø 7 mm,  
pour broches de KIRSCHNER jusqu'à Ø 4 mm

per perforatori fino Ø 7 mm,  
per perforatori filiformi di KIRSCHNER fino Ø 4 mm



**76.51.20**

**Ralk**



**76.51.21**

Spannschlüssel allein  
Tightening wrench only  
Llave tensora sola  
Clé seule  
Chiave di serraggio

- ▶ mit Dreibackenspannfutter und Schlüssel,  
mit längsdurchbohrtem Kanal für KIRSCHNER Bohrdrähte
- ▶ with three-jaw chuck and wrench,  
with axial channel for passing KIRSCHNER wires
- ▶ con plato de tres mordazas, con llave,  
con conducto longitudinal para pasar brocas filiformes de KIRSCHNER
- ▶ avec mandrin à trois mâchoires, avec clé,  
avec conduit longitudinal pour broches de KIRSCHNER
- ▶ con mandrino a tre ganasce, con chiave,  
con condotto cannulato per il passaggio di perforatori filiformi di KIRSCHNER

Spiralbohrer  
Twist drills  
Brocas espirales  
Forets hélicoïdaux  
Perforatori elicoidali



<b>76.69.15</b>	Ø 1,5 mm	7,0 cm – 2¾"
<b>76.69.20</b>	Ø 2,0 mm	8,5 cm – 3⅜"
<b>76.69.25</b>	Ø 2,5 mm	9,5 cm – 3¾"
<b>76.69.30</b>	Ø 3,0 mm	10,0 cm – 4"
<b>76.69.32</b>	Ø 3,2 mm	10,0 cm – 4"
<b>76.69.35</b>	Ø 3,5 mm	11,0 cm – 4⅜"
<b>76.69.40</b>	Ø 4,0 mm	12,0 cm – 4¾"
<b>76.69.45</b>	Ø 4,5 mm	13,0 cm – 5⅛"
<b>76.69.50</b>	Ø 5,0 mm	13,0 cm – 5⅛"
<b>76.69.60</b>	Ø 6,0 mm	14,0 cm – 5½"

**Handbohrapparat  
Hand Drill  
Perforador de mano  
Perforateur à main  
Trapano a mano**



für Bohrer bis Ø 6,5 mm,  
für KIRSCHNER Bohrdrähte bis Ø 4 mm

for twist drills up to Ø 6,5 mm,  
for KIRSCHNER wires up to Ø 4 mm

para brocas hasta Ø 6,5 mm,  
para brocas de KIRSCHNER hasta Ø 4 mm

pour forets jusqu'à Ø 6,5 mm,  
pour broches de KIRSCHNER jusqu'à Ø 4 mm

per perforatori fino Ø 6,5 mm,  
per perforatori filiformi di KIRSCHNER fino Ø 4 mm



**76.51.60**

**Smedberg**

- ▶ mit Jacobs-Dreibackenspannfutter und Schlüssel,  
mit längsdurchbohrtem Kanal für KIRSCHNER Bohrdrähte
- ▶ with Jacobs three-jaw chuck and wrench,  
with axial channel for passing KIRSCHNER wires
- ▶ con plato de tres mordazas de Jacobs, con llave,  
con conducto longitudinal para pasar brocas filiformes de KIRSCHNER
- ▶ avec mandrin de Jacobs à trois mâchoires, avec clé,  
avec conduit longitudinal pour broches de KIRSCHNER
- ▶ con mandrino Jacobs a tre ganasce, con chiave, con condotto  
cannulato per il passaggio di perforatori filiformi di KIRSCHNER



**76.51.61**

Spannschlüssel allein  
Tightening wrench only  
Llave tensora sola  
Clé seule  
Chiave di serraggio





**Biegewellensystem**  
**Flexible Cable Motor System**  
**Sistema de motor con eje flexible**  
**Système à tige rotative**  
**Sistema a frusta**

**CAYMAN 200**



Spannung Voltage Voltaje Tension Tensione	Pumpenleistung Pumpage Rendimiento de la bomba Puissance de la pompe Potenza della pompa	Gewicht netto Net weight Peso neto Poids net Peso netto	max. Drehzahl max. rpm Revoluciones max. Rotation max. max. N. di giri	Maße [cm] measures [cm] Dimensiones [cm] Dimension [cm] Dimensioni [cm]
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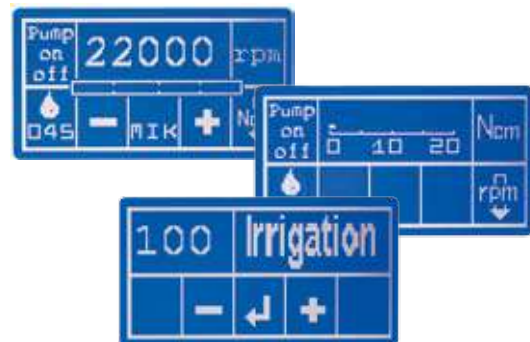
Technische Daten Technical data Especificaciones técnicas Caractéristiques techniques Dati tecnici	<b>100-240 V (50-60 Hz)</b>	<b>120 ml/min</b>	<b>13,8 kg</b>	<b>22.000 U/min</b>	<b>28 x 36 x 14</b>
--	---------------------------------	-------------------	----------------	---------------------	---------------------

bestehend aus:  
 consisting of:  
 compuesto por:  
 composant de:  
 composta da:



<b>92.20.10</b>	Cayman-Steuerg�r�t + Schlauchset, einweg, steril, 1 St�ck Control unit + Set of disposable tubes, single use, sterile, 1 piece Unidad de control + Juego de tubos, desechable, est�ril, 1 unidad Unit� centrale + Jeu de tuyaux, usage unique, st�rile, 1 pi�ce Unit� di comando + Set di tubi, monouso, sterile, 1 pezzo
<b>92.20.25</b>	Fu�pedal Foot pedal Interruptor a pedal Interrupteur � p�dale Interruttore a pedale

Touchscreen-Display mit den einzelnen Anzeigeoptionen  
 Touchscreen-Display with individual display options  
 Touch screen con varias opciones de visualizaci n  
  cran tactile avec options d'affichage  
 Display Touchscreen con diverse opzioni di visualizzazione





# CAYMAN 200

Fußpedal  
 Foot pedal  
 Interruptor a pedal  
 Interrupteur à pédale  
 Interruttore a pedale



**92.20.25**

11 x 20 x 14 cm

mit stufenloser Drehzahlregulierung.  
 Schutzklasse IP X8.  
 Umschaltfunktion für Rechts- und Linkslauf,  
 Spülmittelpumpe ein und aus.

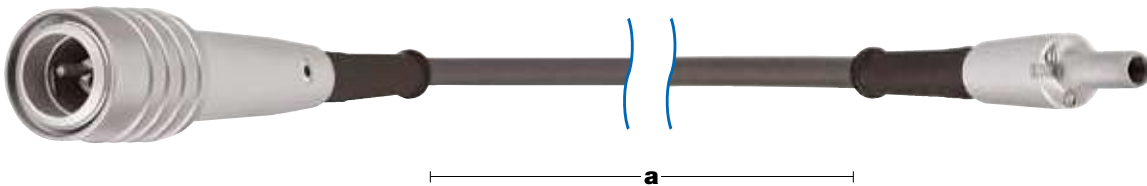
with infinitely variable rpm adjustment  
 protection proof class IP X8  
 change-over function for clockwise and anti-clockwise rotation  
 on and off irrigation pump

con una progresión continua de las revoluciones  
 clase de protección IP X8  
 dos sensores de funcionamiento (derecha/izquierda)  
 bomba de irrigación conectada/desconectada

Régulation de la force de rotation progressive.  
 Classe de protection IP X8  
 Fonction de réglage pour utilisation à droite ou à gauche  
 Fonction de réglage pour éteindre et allumer la pompe à irrigation

Con numero di giri regolabile in continuo  
 Classe di protezione IP X8  
 Possibilità di cambiare il senso di rotazione (orario/antiorario)  
 Pompa d'irrigazione on/off

Micro-Biegewelle mit Intrakupplung nach DIN 13940/ISO  
 Flexible micro cable with Intra coupling acc. to DIN 13940/ISO  
 Eje flexible con acoplamiento intra según DIN 13940/ISO  
 Micro tige rotative avec embrayage intra selon DIN 13940/ISO  
 Microfrusta con accoppiamento intra secondo DIN 13940/ISO



	<b>a</b>
<b>92.20.20</b>	1,8 m
<b>92.20.30</b>	2,3 m

autoklavierbar bei 134°C  
 autoclavable up to 134°C  
 autoclavable con 134°C  
 autoclavable jusqu' à 134°C  
 autoclavabile con 134°C



**Biegewellensystem**  
**Flexible Cable Motor System**  
**Sistema de motor con eje flexible**  
**Système à tige rotative**  
**Sistema a frusta**

# CAYMAN 200



Unser komplettes Programm Micro-Biegewellensystem **“Cayman”** finden Sie in unserem Sonderprospekt.

For our complete program Flexible Micro Cable Motor System **“Cayman”** please ask for our special brochure.

Nuestro programa completo de sistema de micro motor con eje flexible **“Cayman”** se encuentra en nuestro folleto especial.

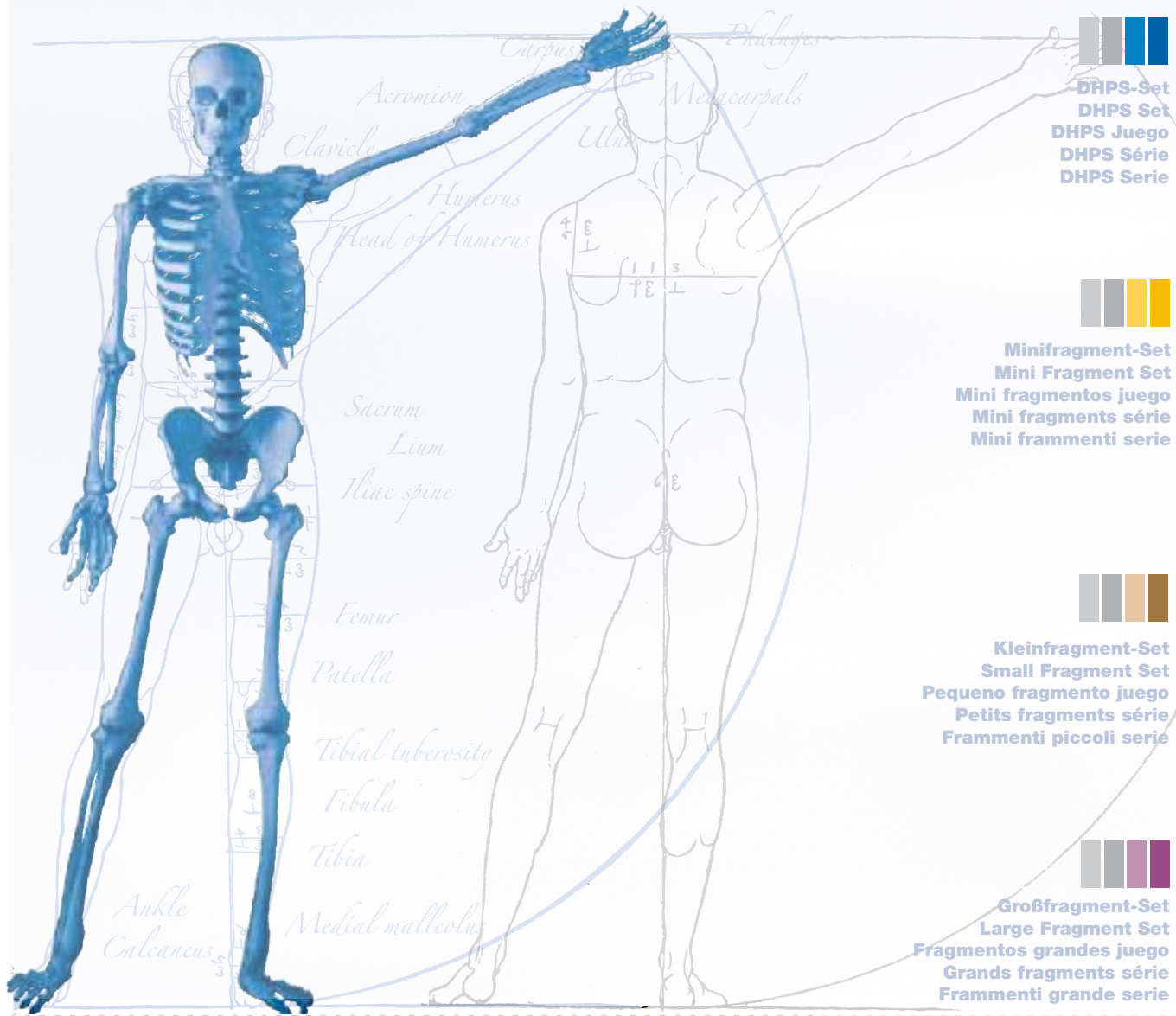
Vous trouverez notre programme complet concernant notre système de moteur à tige rotative **“Cayman”** dans un prospectus prévu à cet effet.

Il nostro programma completo del sistema microfrusta **“Cayman”** lo troverete nel depliant speciale.



# ORTHOPAEDICS

## IMPLANTS AND INSTRUMENTS



  
DHPS-Set  
DHPS Set  
DHPS Juego  
DHPS Série  
DHPS Serie

  
Minifragment-Set  
Mini Fragment Set  
Mini fragmentos juego  
Mini fragments série  
Mini frammenti serie

  
Kleinfragment-Set  
Small Fragment Set  
Pequeno fragmento juego  
Petits fragments série  
Frammenti piccoli serie

  
Großfragment-Set  
Large Fragment Set  
Fragmentos grandes juego  
Grands fragments série  
Frammenti grande serie





**DHPS-Set**  
**DHPS Set**  
**DHPS Juego**  
**DHPS Série**  
**DHPS Serie**

**DHPS Set complete**

**708.30.50** contains ▼



Instruments	Qty
<b>708.01.02</b> Targeting device · 135°	1
<b>708.01.05</b> Targeting device · 150°	1
<b>708.01.07</b> Guide wire · 2,5 mm · 230 mm	10
<b>708.01.08</b> Direct measuring device	1
<b>708.01.09</b> Three step reamer for standard DHPS plates	1
<b>708.01.11</b> Tap · 12,5 mm · 220 mm	1
<b>708.01.12</b> T-handle · large	1
<b>708.01.13</b> Wrench with T-handle	1
<b>708.01.14</b> Coupling screw · short	1
<b>708.01.15</b> Guide shaft	1
<b>708.01.16</b> Coupling screw · long	1
<b>708.01.17</b> Centering sleeve · short	1
<b>708.01.18</b> Centering sleeve · long	1
<b>708.01.19</b> Impactor	1
<b>709.30.12</b> Screwdriver insert · hexagonal · 2.5 mm · 100 mm	1
<b>709.30.23</b> Drill · Ø 2,0 mm · 100 mm	2
<b>709.30.40</b> Screw holding forceps	1
<b>711.30.06</b> Depth gauge · large	1
<b>711.30.09</b> Double drill sleeve · 6,5 / 3,2 mm	1
<b>711.30.10</b> Universal drill guide · 4,5 / 3,2mm	1
<b>711.30.12</b> T-Handle · small · with quick coupling	1
<b>711.30.15</b> Screwdriver · hexagonal · 3,5 mm · 245 mm	1
<b>711.30.17</b> Holding sleeve for 4,5 mm screws	1
<b>711.30.18</b> Drill · Ø 3,2 mm · 145 mm	2
<b>711.30.20</b> Drill · Ø 4,5 mm · 145 mm	2
<b>711.30.29</b> Tap · 4,5 mm · 125 mm	2
<b>711.30.30</b> Tap calibrated · 6,5 mm · 200 mm	1

DHPS Implant Set	Qty
<b>76.10.70</b> Kirschner wire · Ø 2,0 mm · 15cm · P/10	1
<b>708.00.00</b> DHPS Compression screw · 36 mm	3
<b>708.00.04</b> DHPS Traction screw · 65 mm	1
<b>708.00.05</b> DHPS Traction screw · 70 mm	1
<b>708.00.06</b> DHPS Traction screw · 75 mm	1
<b>708.00.07</b> DHPS Traction screw · 80 mm	1
<b>708.00.08</b> DHPS Traction screw · 85 mm	2
<b>708.00.09</b> DHPS Traction screw · 90 mm	2
<b>708.00.10</b> DHPS Traction screw · 95 mm	2
<b>708.00.11</b> DHPS Traction screw · 100 mm	2
<b>708.00.12</b> DHPS Traction screw · 105 mm	1
<b>708.00.13</b> DHPS Traction screw · 110 mm	1
<b>708.00.14</b> DHPS Traction screw · 115 mm	1
<b>708.35.04</b> DHPS Hip screw plate · 135° · 4 holes · 78 mm	3
<b>708.35.05</b> DHPS Hip screw plate · 135° · 5 holes · 94 mm	2
<b>708.35.06</b> DHPS Hip screw plate · 135° · 6 holes · 110 mm	2
<b>708.50.04</b> DHPS Hip screw plate · 150° · 4 holes · 78 mm	1
<b>708.50.05</b> DHPS Hip screw plate · 150° · 5 holes · 94 mm	1
<b>708.50.06</b> DHPS Hip screw plate · 150° · 6 holes · 110 mm	1

	Qty
<b>49.60.15</b> Medicontainer · 590 x 290 x 150 mm · silver	1
<b>49.97.24</b> Wire basket · 540 x 252 x 60 mm	1
<b>708.30.55</b> DHPS implant wire basket only	1

**Minifragment-Set**  
**Mini Fragment Set**  
**Mini fragmentos juego**  
**Mini fragments série**  
**Mini frammenti serie**



**Mini Fragment Set complete**

**709.30.50** contains ▾



Instruments	Qty
<b>14.30.17</b> HM wire cutter · 17,5cm	1
<b>14.46.14</b> Flat nose pliers · 14cm	1
<b>26.64.13</b> Raspatory · 3mm · 18,5 cm	1
<b>75.23.50</b> Screwdriver handle with dental coupling	1
<b>78.35.11</b> Bone lever · 6 mm · 16 cm	1
<b>78.35.12</b> Bone lever · 8 mm · 16 cm	1
<b>78.35.13</b> Bone lever · 15 mm · 16 cm	1
<b>351.64.01</b> Cleaning hook	1
<b>709.30.00</b> Bending lever for mini plates	1
<b>709.30.03</b> Bending pliers for mini plates	1
<b>709.30.04</b> Depth gauge mini	1
<b>709.30.11</b> Screwdriver insert · 1,5 mm	1
<b>709.30.12</b> Screwdriver insert · hexagonal · 2,5 mm · 100 mm	1
<b>709.30.15</b> Screwdriver hexagonal · 2,5 mm · 210 mm	1
<b>709.30.17</b> Holding sleeve for 1,5 mm screws	1
<b>709.30.19</b> Holding sleeve for 2,7 / 3,5 mm screws	1
<b>709.30.20</b> Drill · Ø 1,1 mm · 60 mm	2
<b>709.30.21</b> Drill · Ø 1,5 mm · 85 mm	2
<b>709.30.23</b> Drill · Ø 2,0 mm · 100 mm	2
<b>709.30.25</b> Drill · Ø 2,7 mm · 100 mm	2
<b>709.30.30</b> Countersink for screws 1,5 / 2,0 mm · 57 mm	1
<b>709.30.31</b> Countersink for screws 2,7 / 3,5 / 4,0 mm · 72 mm	1
<b>709.30.35</b> Holding forceps for small plates	1
<b>709.30.38</b> Reposition forceps · broad	1
<b>709.30.40</b> Screw holding forceps	1
<b>709.30.41</b> Bending bolt for Kirschner wires 0,8 - 1,25 mm	1
<b>710.30.07</b> Depth gauge small	1

Cortical screws 1,5 mm	Qty
<b>709.15.01</b> 6 mm	1× P/5
<b>709.15.02</b> 7 mm	1× P/5
<b>709.15.03</b> 8 mm	1× P/5
<b>709.15.04</b> 9 mm	1× P/5
<b>709.15.05</b> 10 mm	1× P/5
<b>709.15.06</b> 11 mm	1× P/5
<b>709.15.07</b> 12 mm	1× P/5
<b>709.15.08</b> 14 mm	1× P/5
<b>709.15.09</b> 16 mm	1× P/5

Cortical screws 2,0 mm	Qty
<b>709.20.01</b> 6 mm	1× P/5
<b>709.20.02</b> 8 mm	1× P/5
<b>709.20.03</b> 10 mm	1× P/5
<b>709.20.04</b> 12 mm	1× P/5
<b>709.20.05</b> 14 mm	1× P/5
<b>709.20.06</b> 16 mm	1× P/5
<b>709.20.07</b> 18 mm	1× P/5
<b>709.20.08</b> 20 mm	1× P/5

Verpackungseinheit 5 Stück  
 Packing unit 5 pieces  
 Paquete de 5 unidades  
 Emballage de 5 pièces  
 Confezione da 5 pezzi

P/5

*he hacked and locked into the input panel for code encryption of*



**Minifragment-Set**  
**Mini Fragment Set**  
**Mini fragmentos juego**  
**Mini fragments série**  
**Mini frammenti serie**

Cortical screws 2,7 mm		Qty
<b>709.27.01</b>	6 mm	1× P/5
<b>709.27.02</b>	8 mm	1× P/5
<b>709.27.03</b>	10 mm	1× P/5
<b>709.27.04</b>	12 mm	1× P/5
<b>709.27.05</b>	14 mm	1× P/5
<b>709.27.06</b>	16 mm	1× P/5
<b>709.27.07</b>	18 mm	1× P/5
<b>709.27.08</b>	20 mm	1× P/5
<b>709.27.09</b>	22 mm	1× P/5
<b>709.27.10</b>	24 mm	1× P/5

Washer Ø 4,5 mm		Qty
<b>709.00.00</b>	2,1/4,5 mm	1× P/5

Plates for cortical screws 1,5 mm

T-plates with 9 holes 1,5 mm	(x)	Qty
<b>709.01.02</b>	head 3	2
<b>709.01.03</b>	head 4	2

Condylar plate left 1,5 mm	(x)	Qty
<b>709.03.05</b>	6	2

Straight plate 1,5 mm	(x)	Qty
<b>709.00.20</b>	20	2

Condylar plate right 1,5 mm	(x)	Qty
<b>709.03.06</b>	6	2

Plates for cortical screws 2,0 mm

Compression plates 2,0 mm	(x)	Qty
<b>709.04.03</b>	3	2
<b>709.04.04</b>	4	2
<b>709.04.05</b>	5	2

Compression plate 2,0 mm	(x)	Qty
<b>709.04.20</b>	20	2

Condylar plate left 2,0 mm	(x)	Qty
<b>709.08.00</b>	6	2

Condylar plate right 2,0 mm	(x)	Qty
<b>709.08.01</b>	6	2

T-plates with 9 holes 2,0 mm	(x)	Qty
<b>709.05.00</b>	head 3	2
<b>709.05.01</b>	head 4	2

P/5

Verpackungseinheit 5 Stück  
Packing unit 5 pieces  
Paquete de 5 unidades  
Emballage de 5 pièces  
Confezione da 5 pezzi

(x)

Anzahl der Löcher  
Number of holes  
Número de los orificios  
Nombre de trous  
Numero di fori





Plates for cortical screws 2,7 mm

Quarter tubular plates 2,7 mm	(x)	Qty
<b>709.10.03</b>	3	2
<b>709.10.04</b>	4	2
<b>709.10.05</b>	5	2
<b>709.10.06</b>	6	1
<b>709.10.07</b>	7	1
<b>709.10.08</b>	8	1

L-Plate oblique, left 2,7 mm	(x)	Qty
<b>709.13.00</b>	3	2

L-Plate oblique, right 2,7 mm	(x)	Qty
<b>709.13.01</b>	3	2

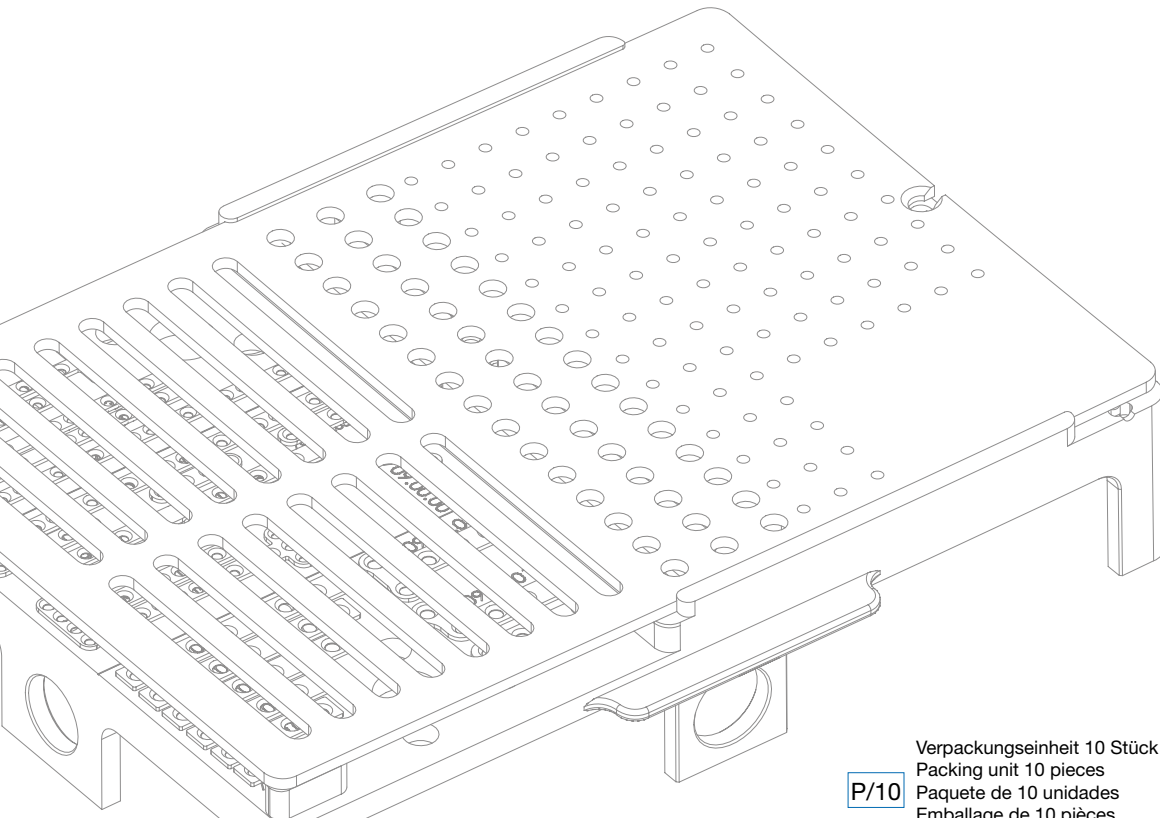
T-Plate 2,7 mm	(x)	Qty
<b>709.11.03</b>	3	4

Kirschner wires

Kirschner wires with trocar point 6 cm		Qty
<b>76.06.58</b>	0,8 mm	1x P/10

Kirschner wires with trocar point 15 cm		Qty
<b>76.10.60</b>	1,0 mm	1x P/10
<b>76.10.62</b>	1,2 mm	1x P/10
<b>76.10.66</b>	1,6 mm	1x P/10

<b>49.50.13</b>	Medicontainer · 290 x 290 x 135 mm · silver	1
<b>49.97.02</b>	Wire basket · 240 x 255 x 50 mm	2
<b>709.30.55</b>	Mini Fragment implant tray only	1



Verpackungseinheit 10 Stück  
 Packing unit 10 pieces  
 Paquete de 10 unidades  
 Emballage de 10 pièces  
 Confezione da 10 pezzi

P/10



**Kleinfragment-Set**  
**Small Fragment Set**  
**Pequeno fragmento juego**  
**Petits fragments série**  
**Frammenti piccoli serie**

**Small Fragment Set complete**

**710.30.50** contains ▼

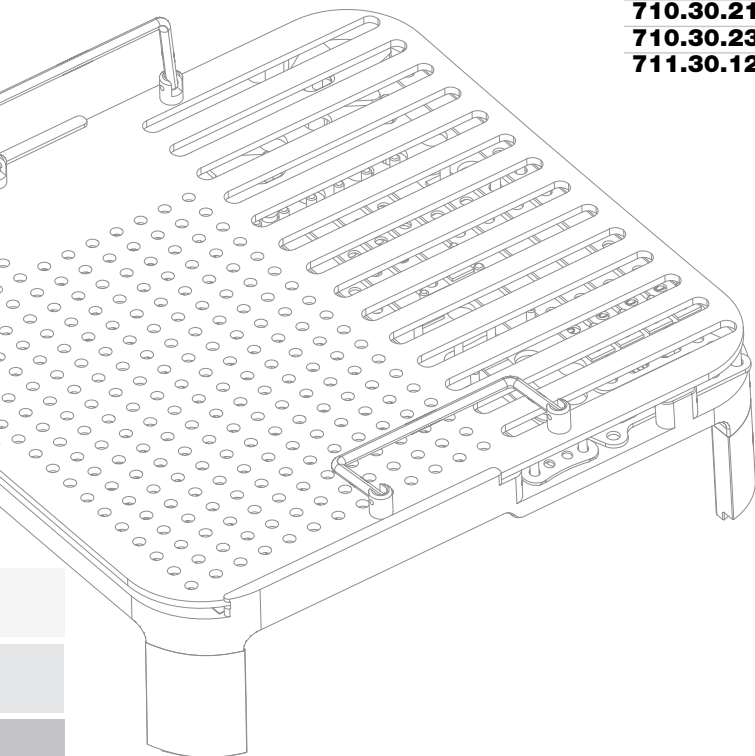


49.50.15

710.30.55

49.97.02

Instruments	Qty
<b>14.30.17</b> HM Wire cutter 17,5 cm	1
<b>26.64.26</b> Raspatory 6 mm · 18,5 cm	1
<b>35.11.13</b> Bone clamp 13,5 cm	1
<b>35.14.14</b> Bone clamp 14 cm	1
<b>35.76.19</b> Verbrugge bone clamp 19 cm · self-centering	1
<b>76.45.19</b> Flat nose pliers · 19 cm	1
<b>78.35.11</b> Bone lever 6 mm · 16 cm	2
<b>78.35.12</b> Bone lever 8 mm · 16 cm	2
<b>351.64.01</b> Cleaning hook	1
<b>709.30.01</b> Bending lever · right · for plates 3,5 mm	1
<b>709.30.02</b> Bending lever · left · for plates 3,5 mm	1
<b>709.30.05</b> Parallel drill guide/sleeve 2,0 mm	1
<b>709.30.12</b> Screwdriver insert 2,5 mm · 100 mm · hexagonal	1
<b>709.30.15</b> Screwdriver 2,5 mm · 210 mm · hexagonal	1
<b>709.30.31</b> Countersink for screws 2,7 / 3,5 / 4,0 mm · 72 mm	1
<b>709.30.40</b> Screw holding forceps	1
<b>710.30.00</b> Bending bolt for Kirschner wires	1
<b>710.30.01</b> Bending template 3,5 mm · 5 holes	1
<b>710.30.02</b> Bending template 3,5 mm · 7 holes	1
<b>710.30.03</b> Bending template 3,5 mm · 9 holes	1
<b>710.30.07</b> Depth gauge · small	1
<b>710.30.08</b> Insert drill sleeve 3,5 / 2,5 mm	1
<b>710.30.09</b> Drill guide 3,5 / 2,5 mm · neutral and excentric	1
<b>710.30.11</b> Drill guide 3,5 mm · neutral and excentric	1
<b>710.30.12</b> Holding sleeve for 3,5 / 4,0 mm screws	1
<b>710.30.13</b> Drill Ø 2,5 mm · 110 mm · for quick coupling	2
<b>710.30.15</b> Drill Ø 3,5 mm · 110 mm · for quick coupling	2
<b>710.30.21</b> Tap Ø 3,5 mm · 110 mm · for cortical screws	2
<b>710.30.23</b> Tap Ø 4,0 mm · 110 mm · for spongiosa screws	2
<b>711.30.12</b> T-Handle · small · with quick coupling	1



Cortical screws 3,5 mm	Qty
<b>710.35.01</b> 10 mm	2 × P/5
<b>710.35.02</b> 12 mm	2 × P/5
<b>710.35.03</b> 14 mm	2 × P/5
<b>710.35.04</b> 16 mm	2 × P/5
<b>710.35.05</b> 18 mm	2 × P/5
<b>710.35.06</b> 20 mm	2 × P/5
<b>710.35.07</b> 22 mm	2 × P/5
<b>710.35.08</b> 24 mm	2 × P/5
<b>710.35.09</b> 26 mm	2 × P/5
<b>710.35.10</b> 28 mm	2 × P/5
<b>710.35.11</b> 30 mm	2 × P/5
<b>710.35.12</b> 32 mm	2 × P/5
<b>710.35.14</b> 36 mm	2 × P/5
<b>710.35.16</b> 40 mm	2 × P/5
<b>710.35.17</b> 45 mm	1 × P/5
<b>710.35.18</b> 50 mm	1 × P/5

Verpackungseinheit 5 Stück  
 Packing unit 5 pieces  
 Paquete de 5 unidades  
 Emballage de 5 pièces  
 Confezione da 5 pezzi

P/5

**Kleinfragment-Set**  
**Small Fragment Set**  
**Pequeno fragmento juego**  
**Petits fragments série**  
**Frammenti piccoli serie**



Spongiosa screws 4,0 mm		Qty
<b>710.40.01</b>	10 mm	1 x P/5
<b>710.40.02</b>	12 mm	1 x P/5
<b>710.40.03</b>	14 mm	1 x P/5
<b>710.40.04</b>	16 mm	1 x P/5
<b>710.40.05</b>	18 mm	1 x P/5
<b>710.40.06</b>	20 mm	1 x P/5
<b>710.40.07</b>	22 mm	1 x P/5
<b>710.40.08</b>	24 mm	1 x P/5
<b>710.40.09</b>	26 mm	1 x P/5
<b>710.40.10</b>	28 mm	1 x P/5
<b>710.40.11</b>	30 mm	1 x P/5
<b>710.40.14</b>	36 mm	1 x P/5
<b>710.40.16</b>	40 mm	1 x P/5
<b>710.40.19</b>	46 mm	1 x P/5
<b>710.40.21</b>	50 mm	1 x P/5
<b>710.40.22</b>	55 mm	1 x P/5
<b>710.40.23</b>	60 mm	1 x P/5

Washer		Qty
<b>710.00.00</b>	4,0/7,0 mm	2 x P/5

Plates for cortical screws 3,5 mm and spongiosa screws 4,0 mm

One third plates with collar 3,5 mm	(x)	Qty
<b>710.01.03</b>	3	1
<b>710.01.04</b>	4	2
<b>710.01.05</b>	5	2
<b>710.01.06</b>	6	2
<b>710.01.07</b>	7	1
<b>710.01.08</b>	8	1

Plates for cortical screws 3,5 mm and spongiosa screws 4,0 mm

Compression plates 3,5 mm	(x)	Qty
<b>710.00.06</b>	6	1
<b>710.00.07</b>	7	2
<b>710.00.08</b>	8	2
<b>710.00.09</b>	9	1
<b>710.00.10</b>	10	1

T-Plates 90° 3,5 mm	(x)	Qty
<b>710.02.03</b>	3/3	1
<b>710.02.04</b>	4/4	1

T-Plates oblique 3,5 mm	(x)	Qty
<b>710.03.03</b>	3/3	1
<b>710.03.05</b>	5/3	1

Cloverleaf plates 3,5 mm	(x)	Qty
<b>710.04.03</b>	3	1
<b>710.04.04</b>	4	1

Kirschner wires

Kirschner wires with trocar point 15 cm	Ø mm	Qty
<b>76.10.62</b>	1,2	1 x P/10
<b>76.10.66</b>	1,6	1 x P/10
<b>76.10.70</b>	2	1 x P/10

<b>49.50.15</b>	Medicontainer · 290 x 290 x 150 mm · silver	1
<b>49.97.02</b>	Wire basket · 240 x 255 x 50 mm	1
<b>710.30.55</b>	Small Fragment implant tray only	1

(x) Anzahl der Löcher  
 Number of holes  
 Número de los orificios  
 Nombre de trous  
 Numero di fori

P/5 Verpackungseinheit 5 Stück  
 Packing unit 5 pieces  
 Paquete de 5 unidades  
 Emballage de 5 pièces  
 Confezione da 5 pezzi

P/10 Verpackungseinheit 10 Stück  
 Packing unit 10 pieces  
 Paquete de 10 unidades  
 Emballage de 10 pièces  
 Confezione da 10 pezzi

*on whose end Lee felt pretty safe. But the combat robot needed*



**Großfragment-Set**  
**Large Fragment Set**  
**Fragmentos grandes juego**  
**Grands fragments série**  
**Frammenti grande serie**



49.60.13

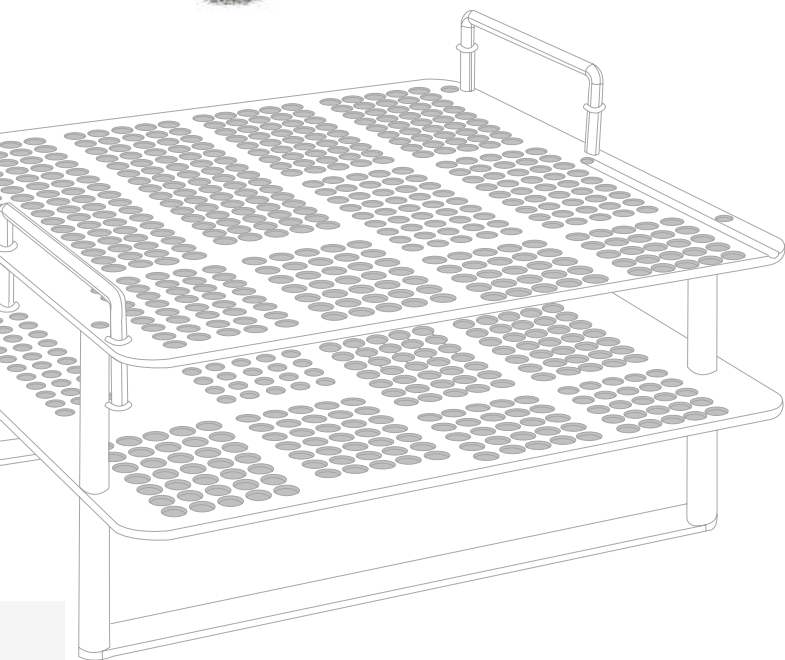
711.30.60

49.97.21

**Large Fragment Set complete**

**711.30.50** contains ▾

Instruments	Qty
<b>351.64.01</b> Cleaning hook	1
<b>709.30.40</b> Screw holding forceps	1
<b>710.30.25</b> Plate tensioner · with gauge	1
<b>710.30.26</b> Combination wrench 11mm	1
<b>711.30.01</b> Bending template 4,5 mm · 5 holes	1
<b>711.30.02</b> Bending template 4,5 mm · 7 holes	1
<b>711.30.03</b> Bending template 4,5 mm · 9 holes	1
<b>711.30.04</b> Bending template 4,5 mm · 12 holes	1
<b>711.30.06</b> Depth gauge · large	1
<b>711.30.08</b> Double drill sleeve 4,5 / 3,2 mm	1
<b>711.30.09</b> Double drill sleeve 6,5 / 3,2 mm	1
<b>711.30.10</b> Universal drill guide 4,5 / 3,2 mm	1
<b>711.30.11</b> Drill guide 4,5 mm · neutral and excentric	1
<b>711.30.12</b> T-Handle small · with quick coupling	1
<b>711.30.13</b> Screwdriver 3,5 mm · 100 mm · hexagonal	1
<b>711.30.15</b> Screwdriver 3,5 mm · 245 mm · hexagonal	1
<b>711.30.17</b> Holding sleeve for 4,5 mm screws	1
<b>711.30.18</b> Drill Ø 3,2mm · 145 mm	3
<b>711.30.20</b> Drill Ø 4,5mm · 145 mm	2
<b>711.30.28</b> Countersink for screws 4,5 / 6,5 mm · 180 mm	1
<b>711.30.29</b> Tap 4,5 mm · 125 mm	2
<b>711.30.30</b> Tap 6,5 mm · 200 mm · calibrated	1



Cortical screws 4,5 mm	Qty
<b>711.45.01</b> 14 mm	1 × P/5
<b>711.45.02</b> 16 mm	1 × P/5
<b>711.45.03</b> 18 mm	1 × P/5
<b>711.45.04</b> 20 mm	1 × P/5
<b>711.45.05</b> 22 mm	1 × P/5
<b>711.45.06</b> 24 mm	1 × P/5
<b>711.45.07</b> 26 mm	2 × P/5
<b>711.45.08</b> 28 mm	2 × P/5
<b>711.45.09</b> 30 mm	2 × P/5
<b>711.45.10</b> 32 mm	2 × P/5
<b>711.45.11</b> 34 mm	2 × P/5
<b>711.45.12</b> 36 mm	2 × P/5
<b>711.45.13</b> 38 mm	2 × P/5
<b>711.45.14</b> 40 mm	2 × P/5
<b>711.45.15</b> 42 mm	1 × P/5
<b>711.45.16</b> 44 mm	1 × P/5
<b>711.45.17</b> 46 mm	1 × P/5
<b>711.45.18</b> 48 mm	1 × P/5
<b>711.45.19</b> 52 mm	1 × P/5
<b>711.45.22</b> 56 mm	1 × P/5
<b>711.45.24</b> 60 mm	1 × P/5
<b>711.45.26</b> 64 mm	1 × P/5
<b>711.45.28</b> 68 mm	1 × P/5

Verpackungseinheit 5 Stück  
 Packing unit 5 pieces  
 Paquete de 5 unidades  
 Emballage de 5 pièces  
 Confezione da 5 pezzi

P/5

**Großfragment-Set**  
**Large Fragment Set**  
**Fragmentos grandes juego**  
**Grands fragments**  
**Frammenti grande**



Spongiosa screws, 6,5mm full thread		Qty
<b>711.65.01</b>	25 mm	1 x P/5
<b>711.65.02</b>	30 mm	1 x P/5
<b>711.65.03</b>	35 mm	1 x P/5
<b>711.65.04</b>	40 mm	1 x P/5
<b>711.65.05</b>	45 mm	1 x P/5
<b>711.65.06</b>	50 mm	1 x P/5
<b>711.65.07</b>	55 mm	1 x P/5
<b>711.65.08</b>	60 mm	1 x P/5
<b>711.65.09</b>	65 mm	1 x P/5
<b>711.65.10</b>	70 mm	1 x P/5
<b>711.65.11</b>	75 mm	1 x P/5
<b>711.65.12</b>	80 mm	1 x P/5
<b>711.65.13</b>	85 mm	1 x P/5
<b>711.65.14</b>	90 mm	1 x P/5
<b>711.65.15</b>	95 mm	1 x P/5
<b>711.65.16</b>	100 mm	1 x P/5
<b>711.65.17</b>	105 mm	1 x P/5
<b>711.65.18</b>	110 mm	1 x P/5

Spongiosa screws, 6,5 mm partial thread 32 mm		Qty
<b>711.67.01</b>	45 mm	1 x P/5
<b>711.67.02</b>	50 mm	1 x P/5
<b>711.67.03</b>	55 mm	1 x P/5
<b>711.67.04</b>	60 mm	1 x P/5
<b>711.67.05</b>	65 mm	1 x P/5
<b>711.67.06</b>	70 mm	1 x P/5
<b>711.67.07</b>	75 mm	1 x P/5
<b>711.67.08</b>	80 mm	1 x P/5
<b>711.67.09</b>	85 mm	1 x P/5
<b>711.67.10</b>	90 mm	1 x P/5
<b>711.67.11</b>	95 mm	1 x P/5
<b>711.67.12</b>	100 mm	1 x P/5
<b>711.67.13</b>	105 mm	1 x P/5
<b>711.67.14</b>	110 mm	1 x P/5

Malleolar screws 4,5 mm		Qty
<b>711.47.02</b>	25 mm	1 x P/5
<b>711.47.03</b>	30 mm	1 x P/5
<b>711.47.04</b>	35 mm	1 x P/5
<b>711.47.05</b>	40 mm	1 x P/5
<b>711.47.06</b>	45 mm	1 x P/5
<b>711.47.07</b>	50 mm	1 x P/5
<b>711.47.08</b>	55 mm	1 x P/5
<b>711.47.09</b>	60 mm	1 x P/5
<b>711.47.10</b>	65 mm	1 x P/5
<b>711.47.11</b>	70 mm	1 x P/5

Spongiosa screws, 6,5 mm partial thread 16 mm		Qty
<b>711.66.01</b>	30 mm	1 x P/5
<b>711.66.02</b>	35 mm	1 x P/5
<b>711.66.03</b>	40 mm	1 x P/5
<b>711.66.04</b>	45 mm	1 x P/5
<b>711.66.05</b>	50 mm	1 x P/5
<b>711.66.06</b>	55 mm	1 x P/5
<b>711.66.07</b>	60 mm	1 x P/5
<b>711.66.08</b>	65 mm	1 x P/5
<b>711.66.09</b>	70 mm	1 x P/5
<b>711.66.10</b>	75 mm	1 x P/5
<b>711.66.11</b>	80 mm	1 x P/5
<b>711.66.12</b>	85 mm	1 x P/5
<b>711.66.13</b>	90 mm	1 x P/5
<b>711.66.14</b>	95 mm	1 x P/5
<b>711.66.15</b>	100 mm	1 x P/5
<b>711.66.16</b>	105 mm	1 x P/5
<b>711.66.17</b>	110 mm	1 x P/5

Washer		Qty
<b>711.00.01</b>	6,8 / 13 mm	1 x P/5



49.50.15

711.30.55

P/5

Verpackungseinheit 5 Stück  
 Packing unit 5 pieces  
 Paquete de 5 unidades  
 Emballage de 5 pièces  
 Confezione da 5 pezzi

*fire just one shot before the 30 cm shells from the system blew him*





**Großfragment-Set**  
**Large Fragment Set**  
**Fragmentos grandes juego**  
**Grands fragments série**  
**Frammenti grande serie**

Plates for cortical screws 4,5 mm and spongiosa screws 6,5 mm

Compression plates 4,5 mm narrow	(x)	Qty
<b>711.00.06</b>	6	2
<b>711.00.07</b>	7	2
<b>711.00.08</b>	8	2
<b>711.00.09</b>	9	2
<b>711.00.10</b>	10	2
<b>711.00.11</b>	11	1
<b>711.00.12</b>	12	1
<b>711.00.14</b>	14	1

Compression plates 4,5 mm broad	(x)	Qty
<b>711.01.08</b>	8	1
<b>711.01.09</b>	9	1
<b>711.01.10</b>	10	1
<b>711.01.11</b>	11	1
<b>711.01.12</b>	12	1
<b>711.01.14</b>	14	1
<b>711.01.16</b>	16	1

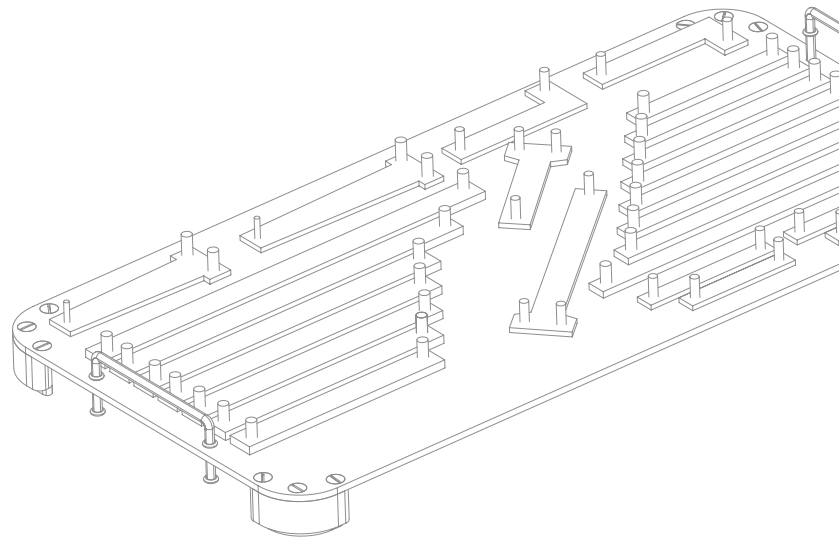
Semi tubular plates 4,5 mm	(x)	Qty
<b>711.02.04</b>	4	4
<b>711.02.05</b>	5	4
<b>711.02.06</b>	6	4
<b>711.02.07</b>	7	4

T-Plates, large 4,5 mm	(x)	Qty
<b>711.05.04</b>	4	1
<b>711.05.06</b>	6	1
<b>711.05.08</b>	8	1

Spoon plates 4,5 mm	(x)	Qty
<b>711.09.05</b>	5	1
<b>711.09.06</b>	6	1

L-Plate for left leg 4,5 mm	(x)	Qty
<b>711.07.04</b>	4	1

L-Plate for right leg 4,5 mm	(x)	Qty
<b>711.06.04</b>	4	1

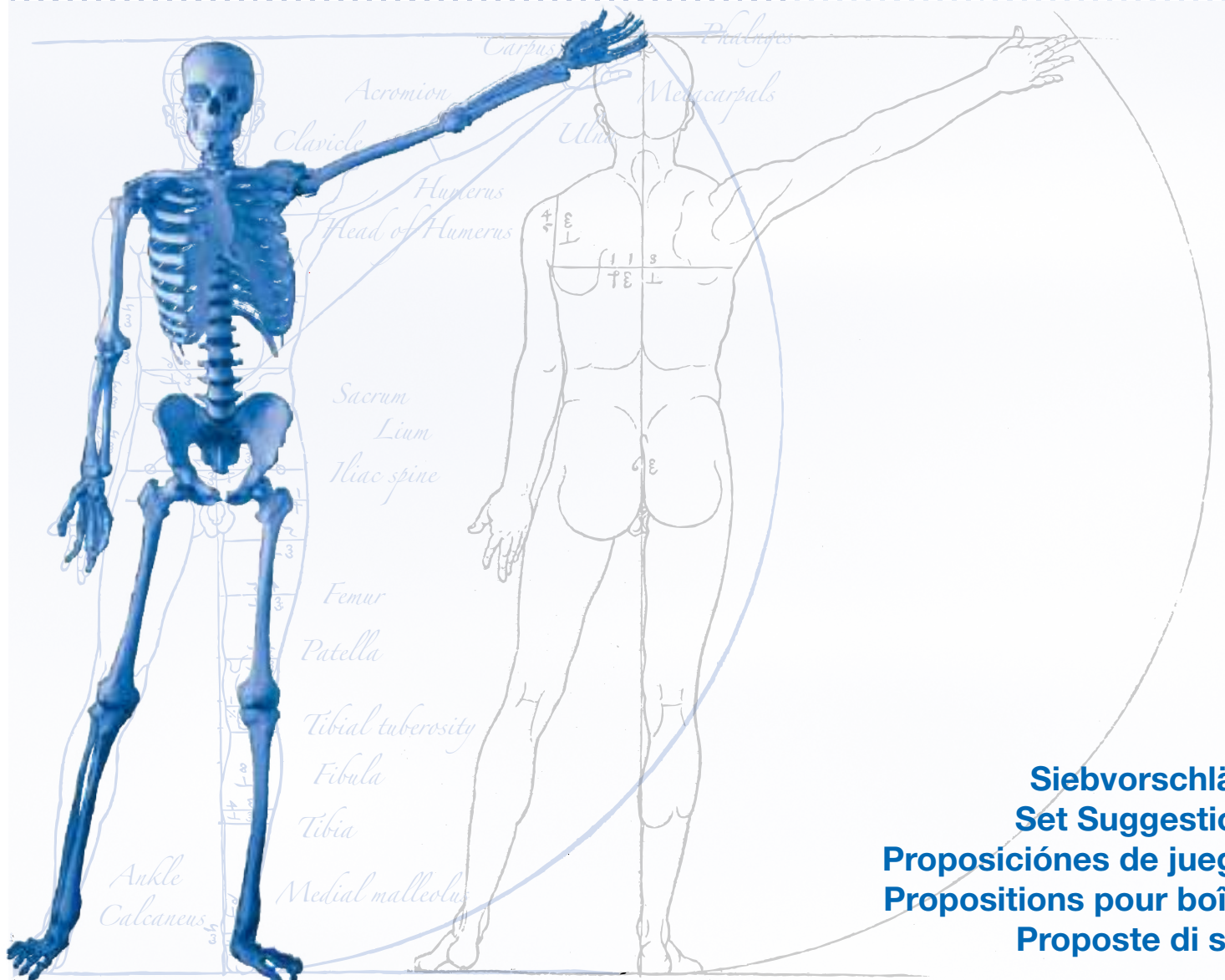


<b>49.50.15</b>	Medicontainer · 290 x 290 x 150 mm · silver	1
<b>711.30.55</b>	Large Fragment tray for screws only	1
<b>49.60.13</b>	Medicontainer · 590 x 290 x 135 mm · silver	1
<b>49.97.21</b>	Wire basket · 510 x 255 x 50 mm	1
<b>711.30.60</b>	Large fragment tray for plates only	1

(x) Anzahl der Löcher  
 Number of holes  
 Número de los orificios  
 Nombre de trous  
 Numero di fori

# ORTHO PAEDICS

## IMPLANTS AND INSTRUMENTS

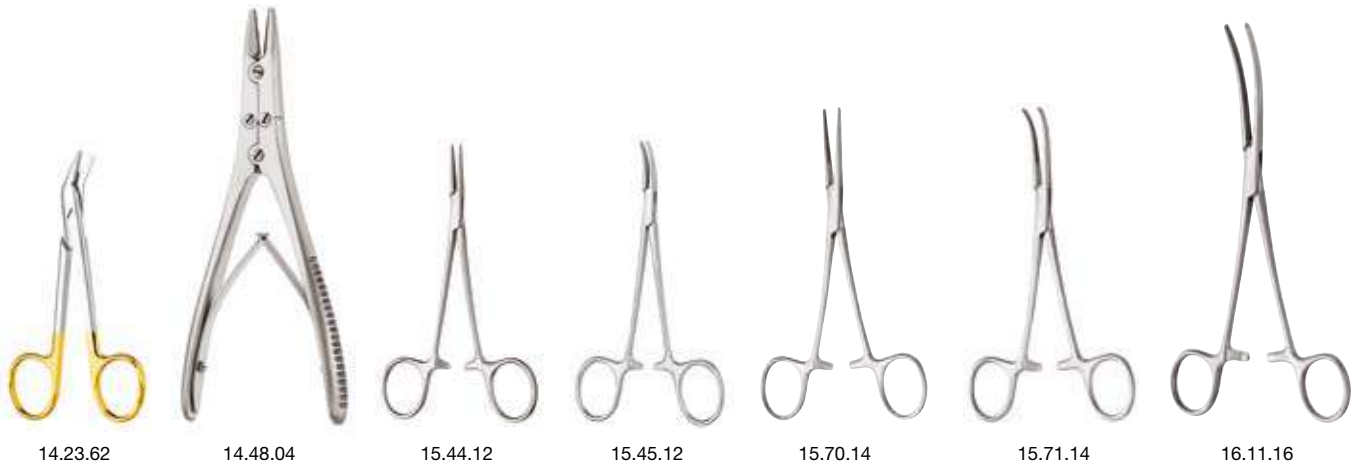
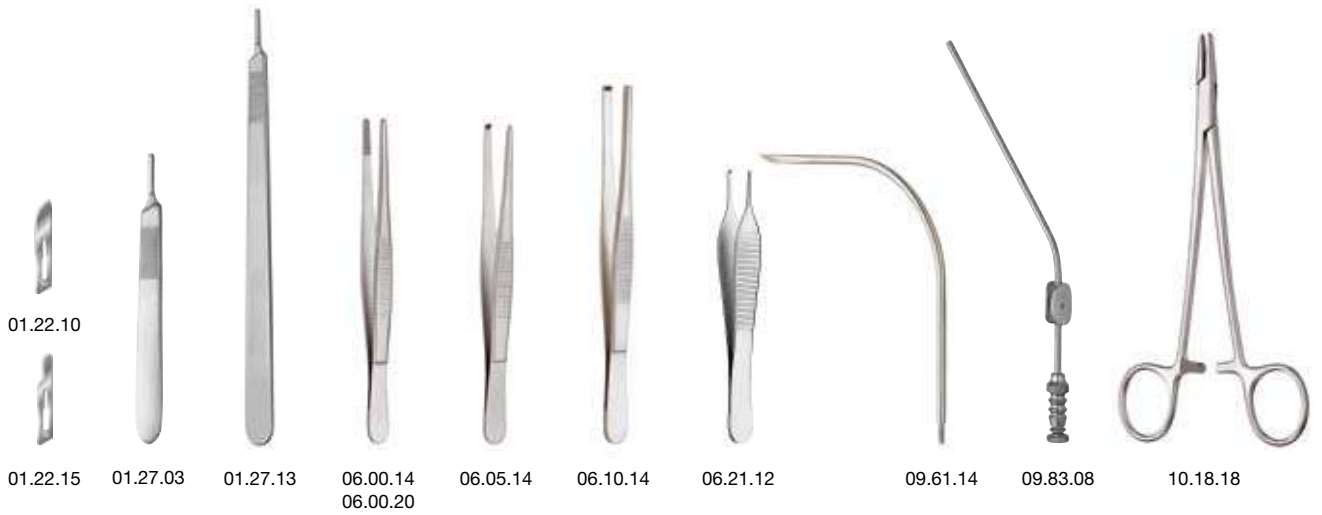


**Siebvorschläge**  
**Set Suggestions**  
**Proposiciones de juegos**  
**Propositions pour boîtes**  
**Proposte di sets**





**Grundsieb Knochen**  
**Basic Set Bone**  
**Juego básico para huesos**  
**Boîte de base à os**  
**Set di base per ossa**



**Grundsieb Knochen**  
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**Set di base per ossa**



<b>PART 1</b>		<b>Req. Qty</b>
<b>01.22.10</b>	Scalpel blade · fig 10 · sterile · p/100	1
<b>01.22.15</b>	Scalpel blade · fig 15 · sterile · p/100	1
<b>01.27.03</b>	Scalpel handle · no 3 · standard · 12.5 cm	1
<b>01.27.13</b>	Scalpel handle · no 3L · long · 21 cm	1
<b>06.00.14</b>	Dressing forceps · 14.5 cm · standard	2
<b>06.00.20</b>	Dressing forceps · 20.0 cm · standard	2
<b>06.05.14</b>	Tissue forceps · 14.5 cm · 1 × 2 teeth · standard	2
<b>06.10.14</b>	Tissue forceps · 14.5 cm · 2 × 3 teeth	2
<b>06.21.12</b>	<b>ADSON</b> Tissue forceps · 12 cm · 1 × 2 teeth · smooth	2
<b>09.61.14</b>	<b>REDON</b> Guide needle · curved · 14 French	2
<b>09.83.08</b>	<b>FRAZIER</b> Suction cannula · 8 French · angled · 12.5 cm	1
<b>10.18.18</b>	<b>MAYO-HEGAR</b> Needle holder · 18 cm	2
<b>14.23.62</b>	<b>UNIVERSAL HM</b> Wire cutting scissors · 12 cm	1
<b>14.48.04</b>	Wire twisting forceps · 18 cm · round	1
<b>15.44.12</b>	<b>HALSTED-MOSQUITO</b> Forceps · 12.5 cm · straight	4
<b>15.45.12</b>	<b>HALSTED-MOSQUITO</b> Forceps · 12.5 cm · curved	4
<b>15.70.14</b>	<b>KELLY</b> Hemostatic forceps · 14 cm · straight	4
<b>15.71.14</b>	<b>KELLY</b> Hemostatic forceps · 14 cm · curved	4
<b>16.11.16</b>	<b>ROCHESTER-PEAN</b> Hemostatic forceps · 16 cm · curved	2
<b>16.12.16</b>	<b>ROCHESTER-OCHSNER</b> Hemostatic forceps · 1 × 2 teeth · 16 cm · straight	2
<b>16.12.20</b>	<b>ROCHESTER-OCHSNER</b> Hemostatic forceps · 1 × 2 teeth · 20 cm · straight	1
<b>17.55.13</b>	<b>BACKHAUS</b> Towel clamp · 13.0 cm	6
<b>17.57.14</b>	<b>EDNA (LORNA)</b> Towel clamp · 14 cm	2
<b>19.50.24</b>	<b>FOERSTER</b> Sponge forceps · 24 cm · straight	6
<b>22.34.01</b>	<b>VOLKMANN</b> Retractor · 1 tooth · sharp · 22 cm	1
<b>22.34.04</b>	<b>VOLKMANN</b> Retractor · 4 teeth · sharp · 18 mm · 22 cm	2
<b>22.35.04</b>	<b>VOLKMANN</b> Retractor · 4 teeth · blunt · 18 mm · 22 cm	2
<b>22.72.04</b>	<b>ISRAEL</b> Retractor · 4 teeth · blunt · 40 × 40 mm · 25 cm	2

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**Grundsieb Knochen**  
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**Boîte de base à os**  
**Set di base per ossa**



23.63.80



26.29.07



26.60.35



26.64.26



26.64.84



26.08.77



27.95.16  
27.95.17



27.95.20



28.44.10  
28.44.15



28.45.20



28.61.08  
28.61.10



28.62.06  
28.62.10



26.64.20  
26.64.30



26.65.20



29.56.51  
29.56.54



30.38.69



31.07.05



33.20.17



35.11.17



35.14.16  
35.14.22



35.15.18



35.16.21



35.20.20

*aghast and with eyes wide open. "That is not possible. That*

**Grundsieb Knochen**  
**Basic Set Bone**  
**Juego básico para huesos**  
**Boîte de base à os**  
**Set di base per ossa**



<b>PART 2</b>		<b>Req. Qty</b>
<b>23.63.80</b>	HIBBS Retractor · toothed · set/2	1
<b>26.29.07</b>	LANGENBECK Elevator · 7 mm · 20 cm	1
<b>26.60.35</b>	LANGENBECK Raspatory · 15 mm · 19 cm	1
<b>26.64.26</b>	Raspatory · 6 mm · 18.5 cm	1
<b>26.64.84</b>	Raspatory · 14 mm · 20 cm · straight	1
<b>27.08.77</b>	OMBREDANNE Metal mallet · 770 g · 23 cm	1
<b>27.95.16</b>	CASPAR Pestle · Ø 5 mm · 20 cm	1
<b>27.95.17</b>	CASPAR Pestle · Ø 8 mm · 20 cm	1
<b>27.95.20</b>	CASPAR Pestle · Ø 12 mm · 20 cm	1
<b>28.44.10</b>	STILLE Osteotome · 10 mm · 20 cm	1
<b>28.44.15</b>	STILLE Osteotome · 15 mm · 20 cm	1
<b>28.45.20</b>	STILLE Gouge · 20 mm · 20 cm	1
<b>28.61.08</b>	MINI-LEXER Chisel · 8 mm · 18 cm	1
<b>28.61.10</b>	MINI-LEXER Chisel · 10 mm · 18 cm	1
<b>28.62.06</b>	MINI-LEXER Gouge · 6 mm · 18 cm	1
<b>28.62.10</b>	MINILEXER Gouge · 10 mm · 18 cm	1
<b>28.64.20</b>	LEXER Chisel · 20 mm · 22 cm	1
<b>28.64.30</b>	LEXER Chisel · 30 mm · 22 cm	1
<b>28.65.20</b>	LEXER Gouge · 20 mm · 22 cm	1
<b>29.56.51</b>	BRUNS Sharp curette · fig 1 · 27 cm	1
<b>29.56.54</b>	BRUNS Sharp curette · fig 4 · 27 cm	1
<b>30.38.69</b>	OLIVECRONA Bone rongeur · curved · 20 cm	1
<b>31.07.05</b>	RUSKIN Bone rongeur · 5 mm · curved · 18 cm	1
<b>33.20.17</b>	LISTON Bone cutting forceps · 17 cm · straight	1
<b>35.11.17</b>	KISTLER-MANUS Repositions forceps · 15.5 cm	1
<b>35.14.16</b>	Bone holding clamp · 16 cm	1
<b>35.14.22</b>	Bone holding clamp · 22 cm	1
<b>35.15.18</b>	DINGMAN Bone holding forceps · 19 cm	1
<b>35.16.21</b>	Malleolar holding clamp · 21 cm	1
<b>35.20.20</b>	Bone holding forceps · delicate · 20 cm · straight	1

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*can't be.... Tanja help me.": General Lee with teary eyes*



**Grundsieb Knochen**  
**Basic Set Bone**  
**Juego básico para huesos**  
**Boîte de base à os**  
**Set di base per ossa**



35.45.78



35.52.21



35.75.17



35.75.25



44.37.20



47.20.25



50.02.16



52.72.05



76.45.10



76.45.75



76.45.85



76.59.15



77.10.10



<b>PART 3</b>		<b>Req. Qty</b>
<b>35.45.78</b>	<b>ULRICH</b> Bone holding clamp · 28 cm · curved	1
<b>35.52.21</b>	<b>FERGUSSON</b> Bone holding clamp · 21 cm	1
<b>35.75.17</b>	<b>VERBRUGGE</b> Bone holding clamp · 17.5 cm	1
<b>35.75.25</b>	<b>VERBRUGGE</b> Bone holding clamp · 25 cm	1
<b>44.37.20</b>	Ruler · stainless steel · 20 cm	1
<b>47.20.25</b>	Kidney basin · 250 × 125 × 35 mm	1
<b>50.02.16</b>	<b>ALLIS</b> Grasping forceps · 15 cm · 5 × 6 teeth	4
<b>52.72.05</b>	<b>SIMON</b> Scoop · rigid · 29 cm · fig 5	1
<b>76.45.10</b>	Wire extraction pliers · serrated · 17 cm	1
<b>76.45.75</b>	<b>GOLIATH HM</b> Wire and plate cutting plier · 25 cm	1
<b>76.45.85</b>	<b>EASY CUT HM</b> Wire and pin cutter · 20 cm	1
<b>76.59.15</b>	Bone reamer · 15 cm · T handle	1
<b>77.10.10</b>	<b>DINGMAN</b> Bone hook · 10 mm · 19 cm	1

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**Grundsieb Knochen**  
**Basic Set Bone**  
**Juego básico para huesos**  
**Boîte de base à os**  
**Set di base per ossa**



77.10.95



77.11.10  
77.11.18



77.11.24



77.11.42  
77.11.65



203.06.14



203.50.67



203.51.67



204.33.68



49.60.22



49.95.26



49.97.21  
49.97.22



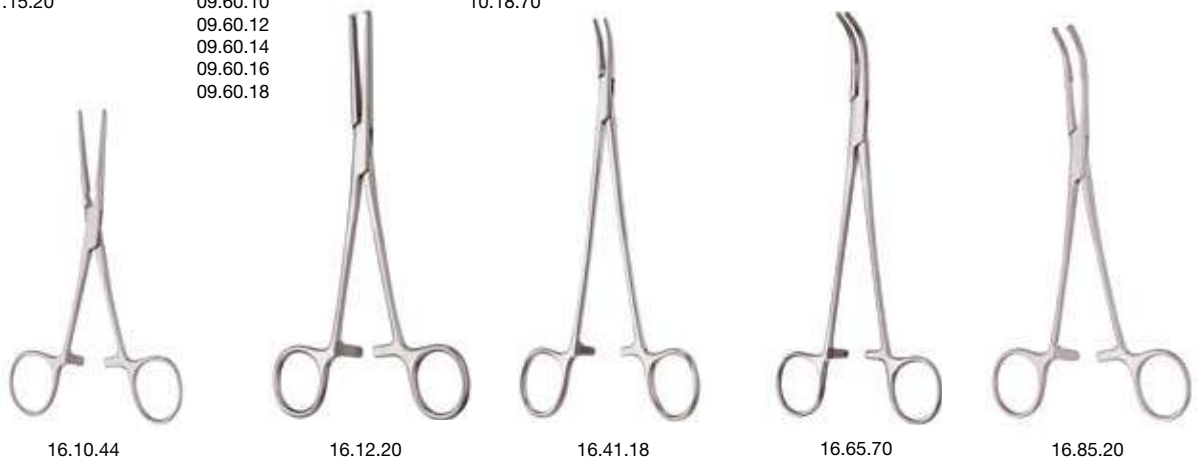
**Grundsieb Knochen**  
**Basic Set Bone**  
**Juego básico para huesos**  
**Boîte de base à os**  
**Set di base per ossa**



<b>PART 4</b>		<b>Req. Qty</b>
<b>77.10.95</b>	Bone lever · 25 mm · 27 cm	2
<b>77.11.10</b>	<b>HOHMANN</b> Bone lever · 10 mm · 22 cm	2
<b>77.11.18</b>	<b>HOHMANN</b> Bone lever · 18 mm · 24 cm	2
<b>77.11.24</b>	<b>HOHMANN</b> Bone lever · 24 mm · 26 cm	2
<b>77.11.42</b>	<b>VERBRUGGE-HOHMANN</b> Bone lever · 42 mm · 24 cm	2
<b>77.11.65</b>	<b>VERBRUGGE-HOHMANN</b> Bone lever · 65 mm · 25 cm	2
<b>203.06.14</b>	<b>SC</b> Operating scissors · straight · 14.5 cm · sharp / blunt	1
<b>203.50.67</b>	<b>MAYO SC PLUS</b> Scissors · straight · 17.0 cm	1
<b>203.51.67</b>	<b>MAYO SC PLUS</b> Scissors · curved · 17.0 cm	2
<b>204.33.68</b>	<b>METZENBAUM SC PLUS</b> Scissors · curved · 18 cm	1
<b>49.60.22</b>	Medicontainer · 590 × 290 × 220 mm · silver	1
<b>49.92.63</b>	Identification label red · engraved · 50 × 17,5 mm	1
<b>49.95.26</b>	Wrapping drape · 140 x 100 cm	1
<b>49.97.21</b>	Wire basket · 510 × 255 × 50 mm	1
<b>49.97.22</b>	Wire basket · 510 × 255 × 70 mm	2



**Grundsieb Trauma**  
**Basic Set Trauma**  
**Juego básico**  
**Boîte de base**  
**Set di base**





<b>PART 1</b>		<b>Req. Qty</b>
<b>01.22.10</b>	Scalpel blade · fig 10 · sterile · p/100	1
<b>01.22.22</b>	Scalpel blade · fig 22 · sterile · p/100	1
<b>01.27.03</b>	Scalpel handle · no 3 · standard · 12.5 cm	1
<b>01.27.13</b>	Scalpel handle · no 3L · long · 21 cm	1
<b>01.28.04</b>	Scalpel handle · no 4 · standard · 13.5 cm	1
<b>03.57.86</b>	<b>LEXER</b> Scissors · curved · 16 cm	2
<b>04.63.18</b>	<b>TOENNIS-ADSON</b> Scissors · curved · 18 cm	1
<b>06.05.16</b>	Tissue forceps · 16.0 cm · 1 × 2 teeth · standard	4
<b>06.21.15</b>	<b>ADSON</b> Tissue forceps · 15 cm · 1 × 2 teeth · smooth	1
<b>06.51.20</b>	<b>DEBAKEY AT</b> Vascular forceps · 20 cm · extrem light	2
<b>06.52.15</b>	<b>DEBAKEY AT</b> Vascular forceps · 15 cm · 2.0 mm	2
<b>07.15.15</b>	<b>RUSSIAN</b> tissue forceps · 15 cm	1
<b>07.15.20</b>	<b>RUSSIAN</b> tissue forceps · 20 cm	1
<b>09.10.14</b>	Probe · with eye · 14.5 cm	2
<b>09.60.08</b>	<b>REDON</b> Guide needle · angled · 8 French	2
<b>09.60.10</b>	<b>REDON</b> Guide needle · angled · 10 French	2
<b>09.60.12</b>	<b>REDON</b> Guide needle · angled · 12 French	2
<b>09.60.14</b>	<b>REDON</b> Guide needle · angled · 14 French	2
<b>09.60.16</b>	<b>REDON</b> Guide needle · angled · 16 French	2
<b>09.60.18</b>	<b>REDON</b> Guide needle · angled · 18 French	2
<b>09.85.00</b>	<b>YANKAUER</b> Suction tube · 28 cm	1
<b>10.18.68</b>	<b>MAYO-HEGAR HM</b> Needle holder · 18 cm	2
<b>10.18.70</b>	<b>MAYO-HEGAR HM</b> Needle holder · 20 cm	2
<b>15.45.12</b>	<b>HALSTED-MOSQUITO</b> Forceps · 12.5 cm · curved	6
<b>15.53.14</b>	<b>PROVIDENCE-HOSPITAL</b> Hemostatic forceps · 1 × 2 teeth · 14 cm · curved	2
<b>15.72.66</b>	<b>RANKIN CRILE</b> Hemostatic forceps · 1 × 2 teeth · 16 cm · straight	2
<b>16.10.44</b>	<b>PEAN AT</b> Hemostatic forceps · 14 cm · straight	4
<b>16.12.20</b>	<b>ROCHESTER-OCHSNER</b> Hemostatic forceps · 1 × 2 teeth · 20 cm · straight	4
<b>16.41.18</b>	<b>HALSTED (ADSON)</b> Hemostatic forceps · 18 cm · curved	2
<b>16.65.70</b>	<b>OVERHOLT GEISSENDOERFER</b> Forceps · 20.5 cm	2
<b>16.85.20</b>	<b>MIKULICZ</b> Peritoneum forceps · 20 cm	4

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*poisoned. And then this project "Ark". Was it not intended*



**Grundsieb Trauma**  
**Basic Set Trauma**  
**Juego básico**  
**Boîte de base**  
**Set di base**



17.55.10

19.40.26

20.12.75

22.35.04  
22.35.06  
22.35.08

22.73.14

23.20.02  
23.20.03

23.21.40

23.40.01

23.40.20



24.22.13



29.51.24  
29.51.33  
29.51.42  
29.51.50  
29.51.51  
29.51.52  
29.51.53  
29.51.54  
29.51.55  
29.51.56



29.52.51  
29.52.52  
29.52.53



40.25.18



40.26.20



47.20.25



47.31.08



77.11.10  
77.11.18



77.11.42



78.35.11



<b>PART 2</b>		<b>Req. Qty</b>
<b>17.55.10</b>	<b>BACKHAUS</b> Towel clamp · 10.5 cm	6
<b>19.40.26</b>	<b>ULRICH</b> Cotton swab forceps · 26 cm · straight	2
<b>20.12.75</b>	<b>STRANDELL-STILLE</b> Retractor · 17 cm · 6 × 15 mm	2
<b>22.35.04</b>	<b>VOLKMANN</b> Retractor · 4 teeth · blunt · 18 mm · 22 cm	2
<b>22.35.06</b>	<b>VOLKMANN</b> Retractor · 6 teeth · blunt · 28 mm · 22 cm	2
<b>22.35.08</b>	<b>VOLKMANN</b> Retractor · 8 teeth · blunt · 40 mm · 22 cm	2
<b>22.73.14</b>	<b>BILLROTH</b> Retractor · 4 teeth · 50 × 45 mm · 25 cm	2
<b>23.20.02</b>	<b>KOCHER</b> Retractor · 12 × 45 mm · 21 cm	2
<b>23.20.03</b>	<b>KOCHER</b> Retractor · 12 × 65 mm · 21 cm	2
<b>23.21.40</b>	<b>KOCHER</b> Retractor · 40 × 75 mm · 23 cm	2
<b>23.40.01</b>	<b>KOCHER</b> Retractor · 12 × 19 mm · 20 cm	2
<b>23.40.20</b>	<b>KOCHER</b> Retractor · 20 × 38 mm · 23 cm	2
<b>24.22.13</b>	<b>WEITLANER</b> Retractor · 3 × 4 teeth · sharp · 13.0 cm	1
<b>29.51.24</b>	<b>VOLKMANN</b> Sharp curette · 17 cm · fig 4/0	1
<b>29.51.33</b>	<b>VOLKMANN</b> Sharp curette · 17 cm · fig 3/0	1
<b>29.51.42</b>	<b>VOLKMANN</b> Sharp curette · 17 cm · fig 2/0	1
<b>29.51.50</b>	<b>VOLKMANN</b> Sharp curette · 17 cm · fig 0	1
<b>29.51.51</b>	<b>VOLKMANN</b> Sharp curette · 17 cm · fig 1	1
<b>29.51.52</b>	<b>VOLKMANN</b> Sharp curette · 17 cm · fig 2	1
<b>29.51.53</b>	<b>VOLKMANN</b> Sharp curette · 17 cm · fig 3	1
<b>29.51.54</b>	<b>VOLKMANN</b> Sharp curette · 17 cm · fig 4	1
<b>29.51.55</b>	<b>VOLKMANN</b> Sharp curette · 17 cm · fig 5	1
<b>29.51.56</b>	<b>VOLKMANN</b> Sharp curette · 17 cm · fig 6	1
<b>29.52.51</b>	<b>SCHEDE</b> Sharp curette · 17 cm · fig 1	1
<b>29.52.52</b>	<b>SCHEDE</b> Sharp curette · 17 cm · fig 2	1
<b>29.52.53</b>	<b>SCHEDE</b> Sharp curette · 17 cm · fig 3	1
<b>40.25.18</b>	<b>LISTER</b> Bandage scissors · 18 cm	1
<b>40.26.20</b>	<b>LISTER</b> Bandage scissors · 20 cm · large ring	1
<b>47.20.25</b>	Kidney basin · 250 × 125 × 35 mm	2
<b>47.31.08</b>	Round bowl · 150 × 75 mm · 1.00 l · b8	2
<b>77.11.10</b>	<b>HOHMANN</b> Bone lever · 10 mm · 22 cm	2
<b>77.11.18</b>	<b>HOHMANN</b> Bone lever · 18 mm · 24 cm	4
<b>77.11.42</b>	<b>VERBRUGGE-HOHMANN</b> Bone lever · 42 mm · 24 cm	2
<b>78.35.11</b>	Bone lever · 6 mm · 16 cm	2

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**Grundsieb Trauma**  
**Basic Set Trauma**  
**Juego básico**  
**Boîte de base**  
**Set di base**



87.33.70



87.32.04



87.32.20



87.32.28



88.00.21



88.00.40



88.20.08



204.33.18



49.60.22



49.95.26



49.97.21  
49.97.22



<b>PART 3</b>		<b>Req. Qty</b>
<b>87.32.04</b>	Spatula electrode · straight · Ø 4.0 mm	1
<b>87.32.20</b>	Wire loop electrode · Ø 5 mm · Ø 4.0 mm	1
<b>87.32.28</b>	Rollerball electrode · straight · Ø 4 mm · Ø 4.0 mm	1
<b>87.33.70</b>	Electrode handle · Ø 4.0 mm · with cable · 4.5 m	1
<b>88.00.21</b>	Bipolar cable · Ø 12.5 mm · 4 m	1
<b>88.00.40</b>	Bracket · for high frequency cables	1
<b>88.20.08</b>	Bipolar forceps · 20.0 cm · angled · blunt	2
<b>204.33.18</b>	<b>METZENBAUM SC</b> Scissors · curved · 18 cm	1
<b>49.60.22</b>	Medicontainer · 590 × 290 × 220 mm · silver	1
<b>49:92:63</b>	Identification label red · engraved · 50 x 17,5 mm	1
<b>49.95.26</b>	Wrapping drape · 140 x 100 cm	1
<b>49.97.21</b>	Wire basket · 510 × 255 × 50 mm	1
<b>49.97.22</b>	Wire basket · 510 × 255 × 70 mm	2





**Metallentfernung**  
**Removal of Plates and Screws**  
**Remoción de metal**  
**Extraction de métal**  
**Rimozione delle placche e viti**



31.07.25



31.11.13



75.22.60



78.29.14



204.33.68



351.64.01



49.50.13



49.95.26



49.97.02

**Metallentfernung**  
**Removal of Plates and Screws**  
**Remoción de metal**  
**Extraction de métal**  
**Rimozione delle placche e viti**



	Req. Qty
<b>01.22.10</b> Scalpel blade · fig 10 · sterile · p/100	1
<b>01.22.22</b> Scalpel blade · fig 22 · sterile · p/100	1
<b>01.27.03</b> Scalpel handle · no 3 · standard · 12.5 cm	1
<b>01.28.04</b> Scalpel handle · no 4 · standard · 13.5 cm	2
<b>06.05.14</b> Tissue forceps · 14.5 cm · 1 × 2 teeth · standard	2
<b>09.60.12</b> <b>REDON</b> Guide needle · angled · 12 French	1
<b>09.60.14</b> <b>REDON</b> Guide needle · angled · 14 French	1
<b>09.85.00</b> <b>YANKAUER</b> Suction tube · 28 cm	1
<b>19.17.26</b> <b>MAIER</b> Dressing forceps · 26 cm · curved	2
<b>26.42.05</b> <b>WILLIGER</b> Raspatory · 5 mm · 16 cm	1
<b>26.60.35</b> <b>LANGENBECK</b> Raspatory · 15 mm · 19 cm	1
<b>31.07.25</b> <b>RUSKIN</b> Bone rongeur · 5 mm · curved · 24 cm	1
<b>31.11.13</b> <b>MARQUARDT</b> Bone rongeur · curved · 20 cm	1
<b>75.22.60</b> Screwdriver set · 1 handle, 8 blades	1
<b>78.29.14</b> <b>BUNNELL</b> Dissecting probe · 16.5cm · angled	1
<b>204.33.68</b> SC Plus Metzenbaum Scissors · curved · 18 cm	1
<b>351.64.01</b> Cleaning hook	1
<b>49.50.13</b> Medicontainer · 290 × 290 × 135 mm · silver	1
<b>49.92.63</b> Identification label red · engraved · 50 x 17,5 mm	1
<b>49.95.26</b> Wrapping drape · 140 x 100 cm	1
<b>49.97.02</b> Wire basket · 240 × 255 × 50 mm	2



**Ender Marknagelung**  
**Ender Intramedullary Nailing**  
**Ender fijación intramedular**  
**Ender enclouage centromédullaire**  
**Ender inchiodamento endomidollare**



75.66.30 - 78.66.49



75.66.05



75.66.06



75.66.07



75.66.08



75.95.21



75.95.61



49.60.15



49.97.21



49.95.26

**Ender Marknagelung**  
**Ender Intramedullary Nailing**  
**Ender fijación intramedular**  
**Ender enclouage centromédullaire**  
**Ender inchiodamento endomidollare**



	Req. Qty
<b>75.66.30</b> ENDER Intramedullary hook · Ø 4,5 mm · 30 cm	3
<b>75.66.31</b> ENDER Intramedullary hook · Ø 4,5 mm · 31 cm	3
<b>75.66.32</b> ENDER Intramedullary hook · Ø 4,5 mm · 32 cm	3
<b>75.66.33</b> ENDER Intramedullary hook · Ø 4,5 mm · 33 cm	3
<b>75.66.34</b> ENDER Intramedullary hook · Ø 4,5 mm · 34cm	3
<b>75.66.35</b> ENDER Intramedullary hook · Ø 4,5 mm · 35 cm	3
<b>75.66.36</b> ENDER Intramedullary hook · Ø 4,5 mm · 36cm	3
<b>75.66.37</b> ENDER Intramedullary hook · Ø 4,5 mm · 37 cm	3
<b>75.66.38</b> ENDER Intramedullary hook · Ø 4,5 mm · 38 cm	3
<b>75.66.39</b> ENDER Intramedullary hook · Ø 4,5 mm · 39 cm	3
<b>75.66.40</b> ENDER Intramedullary hook · Ø 4,5 mm · 40 cm	3
<b>75.66.41</b> ENDER Intramedullary hook · Ø 4,5 mm · 41 cm	3
<b>75.66.42</b> ENDER Intramedullary hook · Ø 4,5 mm · 42 cm	3
<b>75.66.43</b> ENDER Intramedullary hook · Ø 4,5 mm · 43 cm	3
<b>75.66.44</b> ENDER Intramedullary hook · Ø 4,5 mm · 44 cm	3
<b>75.66.45</b> ENDER Intramedullary hook · Ø 4,5 mm · 45 cm	3
<b>75.66.46</b> ENDER Intramedullary hook · Ø 4,5 mm · 46 cm	3
<b>75.66.47</b> ENDER Intramedullary hook · Ø 4,5 mm · 47 cm	3
<b>75.66.48</b> ENDER Intramedullary hook · Ø 4,5 mm · 48 cm	3
<b>75.66.49</b> ENDER Intramedullary hook · Ø 4,5 mm · 49 cm	3
<b>75.66.05</b> Inserting Instrument for 75.66.30 - 49	1
<b>75.66.06</b> Impactor for 75.66.30 - 49	1
<b>75.66.07</b> Impactor/extractor for 75.66.30 - 49	1
<b>75.66.08</b> Extracting Instrument for 75.66.30 - 49	1
<b>75.95.21</b> KÜNTSCHER Awl · Ø 8 mm · 28 cm	1
<b>75.95.61</b> Protecting shield for skin and tissue	1
<b>49.60.15</b> Medicontainer · 590 × 290 × 150 mm · silver	1
<b>49.92.63</b> Identification label red · engraved · 50 x 17,5 mm	1
<b>49.95.26</b> Wrapping drape · 140 x 100 cm	1
<b>49.97.21</b> Wire basket · 510 × 255 × 50 mm	2

*and was twisted with pain like a worm. He held both hands*



**Küntscher Marknagelung**  
**Küntscher Intramedullary Nailing**  
**Küntscher fijación intramedular**  
**Küntscher enclouage centromédullaire**  
**Küntscher inchioldamento endomidollare**



27.08.77



44.37.50



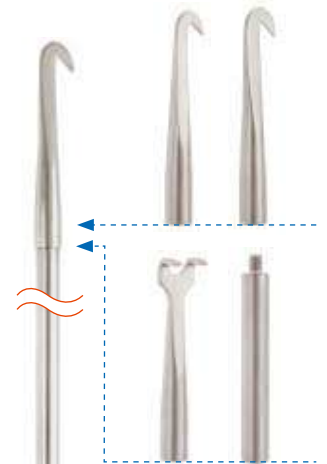
75.95.00



75.95.21  
75.95.22



75.95.25



75.95.51



75.95.53  
79.95.54  
79.95.55



75.95.57  
79.95.58  
79.95.59



75.95.61



75.95.79



75.95.80

**Küntscher Marknagelung**  
**Kuentscher Intramedullary Nailing**  
**Küntscher fijación intramedular**  
**Küntscher enclouage centromédullaire**  
**Küntscher inchioldamento endomidollare**



	Req. Qty
<b>27.08.77</b> OMBREDANNE Metal mallet · 770 g · 23 cm	1
<b>44.37.50</b> Ruler · stainless steel · 50 cm	1
<b>75.95.00</b> Plug gauge · for intramed nails / reamers	1
<b>75.95.21</b> KUENTSCHER Reamer · Ø 8 mm · 28 cm	1
<b>75.95.22</b> KUENTSCHER Reamer · Ø 10 mm · 28 cm	1
<b>75.95.25</b> KUENTSCHER Cannulated reamer · 36 cm	1
<b>75.95.51</b> KUENTSCHER Nail driver · 20.0 mm · 20 cm	1
<b>75.95.53</b> KUENTSCHER Nail driver · 21.0 mm · 20 cm	1
<b>75.95.54</b> KUENTSCHER Nail driver · 17.0 mm · 20 cm	1
<b>75.95.55</b> KUENTSCHER Nail driver · 12.7 mm · 20 cm	1
<b>75.95.57</b> KUENTSCHER Nail impactor · 10 mm · 20.5 cm	1
<b>75.95.58</b> KUENTSCHER Nail impactor · 16 mm · 20.5 cm	1
<b>75.95.59</b> KUENTSCHER Nail impactor · 20 mm · 20.5 cm	1
<b>75.95.61</b> Tissue protector	1
<b>75.95.79</b> KUENTSCHER Slotted mallet · 29 cm	1
<b>75.95.80</b> KUENTSCHER Extractor · with 4 attachments	1
<b>49.60.10</b> Medicontainer · 590 × 290 × 100 mm · silver	1
<b>49.92.63</b> Identification label red · engraved · 50 x 17,5 mm	1
<b>49.95.26</b> Wrapping drape · 140 x 100 cm	1
<b>49.97.22</b> Wire basket · 510 × 255 × 70 mm	1



49.60.10



49.95.26



49.97.22



**Basissieb Hüfte**  
**Basic Set Hips**  
**Set básico para cadera**  
**Boîte générale pour hanche**  
**Set di base per l'anca**



*to repent my sins?! Sorry, I'm so sorry, Tanja..." Lee's body*



**Basissieb Hüfte**  
**Basic Set Hips**  
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**Boîte générale pour hanche**  
**Set di base per l'anca**



<b>PART 1</b>		<b>Req. Qty</b>
<b>01.22.22</b>	Scalpel blade · fig 22 · sterile · p/100	1
<b>01.22.24</b>	Scalpel blade · fig 24 · sterile · p/100	1
<b>01.28.04</b>	Scalpel handle · no 4 · standard · 13.5 cm	1
<b>01.28.14</b>	Scalpel handle · no 4L · long · 21 cm	1
<b>03.06.14</b>	Operating scissors · straight · 14.5 cm · sharp / blunt	1
<b>03.39.95</b>	<b>RESANO</b> Operating scissors · angled on flat · 25 cm	1
<b>04.33.70</b>	<b>METZENBAUM HM</b> Scissors · curved · 20 cm	1
<b>04.33.73</b>	<b>NELSON-METZENBAUM HM</b> Scissors · curved · 23 cm	1
<b>06.02.14</b>	Dressing forceps · 14.5 cm · slim	2
<b>06.05.16</b>	Tissue forceps · 16.0 cm · 1 × 2 teeth · standard	2
<b>06.05.20</b>	Tissue forceps · 20.0 cm · 1 × 2 teeth · standard	2
<b>06.06.20</b>	Tissue forceps · 20.0 cm · 1 × 2 teeth · medium	2
<b>06.64.19</b>	<b>DEBAKEY AT</b> Vascular forceps · 20 cm · 2.8 mm	2
<b>06.64.24</b>	<b>DEBAKEY AT</b> Vascular forceps · 24 cm · 2.8 mm	2
<b>09.60.12</b>	<b>REDON</b> Guide needle · angled · 12 French	1
<b>09.60.14</b>	<b>REDON</b> Guide needle · angled · 14 French	1
<b>09.60.16</b>	<b>REDON</b> Guide needle · angled · 16 French	1
<b>09.85.00</b>	<b>YANKAUER</b> Suction tube · 28 cm	1
<b>10.18.70</b>	<b>MAYO-HEGAR HM</b> Needle holder · 20 cm	2
<b>10.37.70</b>	<b>BOZEMANN (WERTHEIM) HM</b> Needle holder · 20 cm	1
<b>14.06.88</b>	<b>HM</b> Ligature scissors · 18.0 cm · curved	1
<b>15.41.12</b>	<b>MICRO-HALSTED</b> Hemostatic forceps · 12.5 cm · curved	6
<b>16.10.16</b>	<b>ROCHESTER-PEAN</b> Hemostatic forceps · 16 cm · straight	2
<b>16.12.16</b>	<b>ROCHESTER-OCHSNER</b> Hemostatic forceps · 1 × 2 teeth · 16 cm · straight	4
<b>16.12.22</b>	<b>ROCHESTER-OCHSNER</b> Hemostatic forceps · 1 × 2 teeth · 22 cm · straight	2
<b>16.41.18</b>	<b>HALSTED (ADSON)</b> Hemostatic forceps · 18 cm · curved	2

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**Set di base per l'anca**



16.65.72

17.55.10

19.16.26

19.17.26

22.16.16

22.43.06

22.56.08



22.72.06

23.25.12

23.69.05

26.29.10

26.60.35

26.67.34

26.76.07

27.10.70

27.95.17

27.95.20

**Basissieb Hüfte**  
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<b>PART 2</b>		<b>Req. Qty</b>
<b>16.65.72</b>	<b>OVERHOLT-GEISSENDOERFER</b> Forceps · 22.5 cm	1
<b>17.55.10</b>	<b>BACKHAUS</b> Towel clamp · 10.5 cm	12
<b>19.16.26</b>	<b>MAIER</b> Dressing forceps · 26 cm · straight	2
<b>19.17.26</b>	<b>MAIER</b> Dressing forceps · 26 cm · curved	2
<b>22.16.16</b>	<b>ROUX</b> Retractor · 16.5 cm · fig 3	2
<b>22.43.06</b>	<b>KOCHER</b> Retractor · 6 teeth · blunt · 28 mm · 22 cm	2
<b>22.56.08</b>	<b>KOERTE</b> Retractor · 8 teeth · sharp · 24 cm	2
<b>22.72.06</b>	<b>ISRAEL</b> Retractor · 6 teeth · blunt · 60 × 50 mm · 25 cm	2
<b>23.25.12</b>	<b>LANGENBECK-KOCHER</b> Retractor · 20 × 60 mm · 21 cm	2
<b>23.69.05</b>	<b>MICULICZ</b> Retractor · 55 × 85 mm · 25.5 cm	2
<b>26.29.10</b>	<b>LANGENBECK</b> Elevator · 10 mm · 20 cm	1
<b>26.60.35</b>	<b>LANGENBECK</b> Raspatory · 15 mm · 19 cm	1
<b>26.67.34</b>	<b>WAGNER</b> Raspatory · 17 mm · 33 cm	1
<b>26.76.07</b>	<b>SEMB</b> Raspatory · 23 cm · fig 7	1
<b>27.10.70</b>	<b>WAGNER</b> Mallet · Ø 35 mm · 162/360 g · set complete	1
<b>27.95.17</b>	<b>CASPAR</b> Pestle · Ø 8 mm · 20 cm	1
<b>27.95.20</b>	<b>CASPAR</b> Pestle · Ø 12 mm · 20 cm	1

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28.44.60  
28.44.65

28.64.20  
28.64.25  
28.64.30

28.65.80  
28.65.85

28.65.93

28.94.30

29.57.53  
29.57.56

31.07.25

35.21.25

35.50.21



46.37.51

47.20.25

47.31.06  
47.31.08

76.59.22

77.10.20

**Basissieb Hüfte  
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Set básico para cadera  
Boîte générale pour hanche  
Set di base per l'anca**



<b>PART 3</b>		<b>Req. Qty</b>
<b>28.44.60</b>	<b>STILLE</b> Osteotome · curved · 10 mm · 20 cm	1
<b>28.44.65</b>	<b>STILLE</b> Osteotome · curved · 15 mm · 20 cm	1
<b>28.64.20</b>	<b>LEXER</b> Chisel · 20 mm · 22 cm	1
<b>28.64.25</b>	<b>LEXER</b> Chisel · 25 mm · 22 cm	1
<b>28.64.30</b>	<b>LEXER</b> Chisel · 30 mm · 22 cm	1
<b>28.65.80</b>	<b>LEXER</b> Gouge · 10 mm · curved · 25 cm	1
<b>28.65.85</b>	<b>LEXER</b> Gouge · 15 mm · curved · 25 cm	1
<b>28.65.93</b>	<b>COBB</b> Gouge · strong curved · 28 cm	1
<b>28.94.30</b>	<b>LAMBOTTE</b> Osteotome · straight · 30 mm · 24 cm	1
<b>29.57.53</b>	<b>BRUNS</b> Sharp curette · fig 3 · 33 cm	1
<b>29.57.56</b>	<b>BRUNS</b> Sharp curette · fig 6 · 33 cm	1
<b>31.07.25</b>	<b>RUSKIN</b> Bone rongeur · 5 mm · curved · 24 cm	1
<b>35.21.25</b>	<b>BIRCHER-GANSKE</b> Cartilage clamp · 20 cm	1
<b>35.50.21</b>	<b>LANGENBECK</b> Bone holding clamp · 20 cm	1
<b>46.37.51</b>	Inner case · only · for 46.37.50	1
<b>47.20.25</b>	Kidney basin · 250 × 125 × 35 mm	1
<b>47.31.06</b>	Round bowl · 110 × 55 mm · 0.40 l · b6	1
<b>47.31.08</b>	Round bowl · 150 × 75 mm · 1.00 l · b8	1
<b>76.59.22</b>	<b>PERTHES</b> Bone reamer · 22 cm · aluminum handle	1
<b>77.10.20</b>	<b>DINGMAN</b> Bone hook · 20 mm · 17 cm	1

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77.11.18



77.11.24  
77.11.34



77.11.42  
77.11.65



77.11.93



77.12.04



203.57.96



49.60.22



49.97.21  
49.97.22



49.95.26

**Basissieb Hüfte**  
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**Set básico para cadera**  
**Boîte générale pour hanche**  
**Set di base per l'anca**

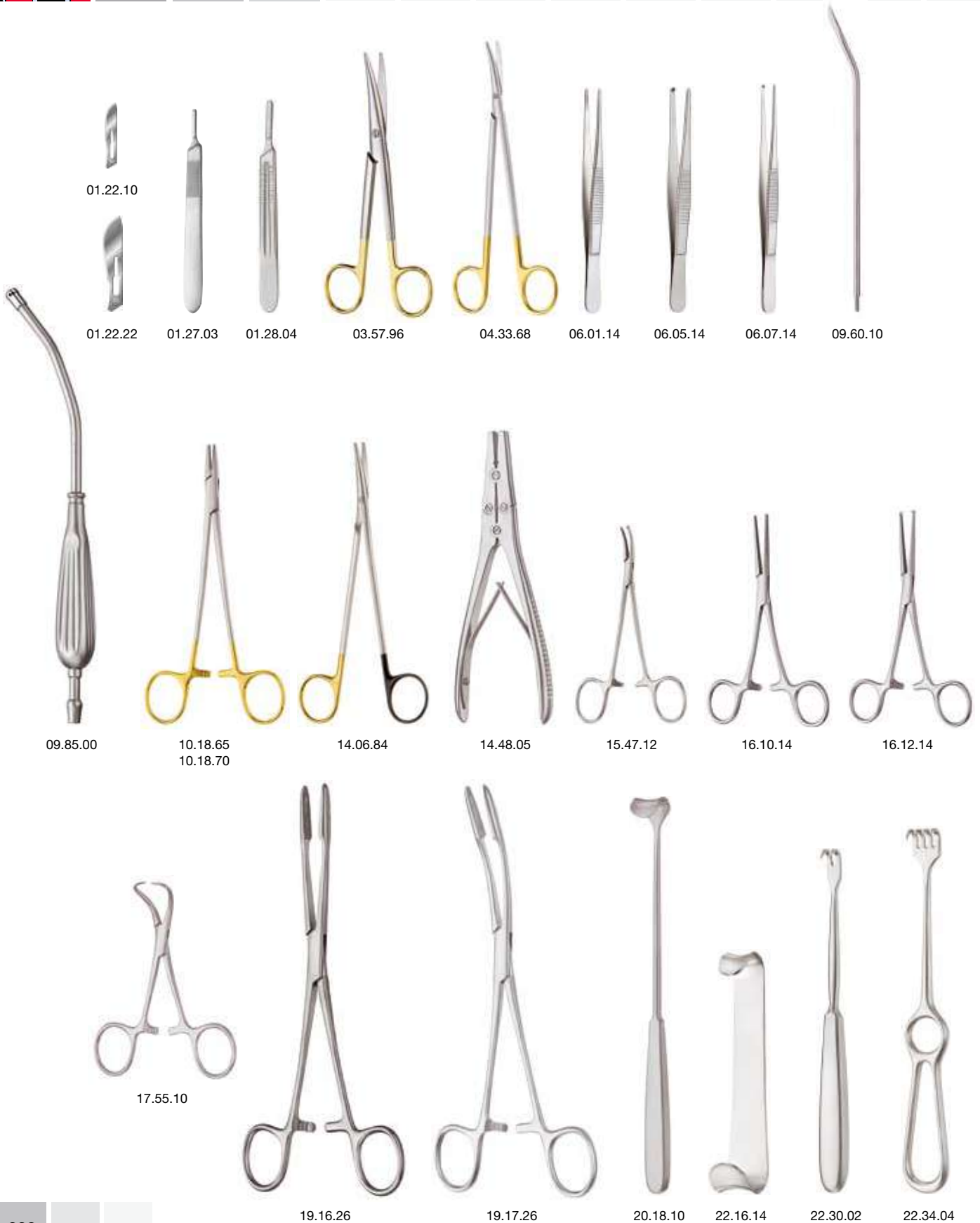


<b>PART 4</b>		<b>Req. Qty</b>
<b>77.11.18</b>	<b>HOHMANN</b> Bone lever · 18 mm · 24 cm	2
<b>77.11.24</b>	<b>HOHMANN</b> Bone lever · 24 mm · 26 cm	2
<b>77.11.34</b>	<b>HOHMANN</b> Bone lever · 34 mm · 29 cm	2
<b>77.11.42</b>	<b>VERBRUGGE-HOHMANN</b> Bone lever · 42 mm · 24 cm	2
<b>77.11.65</b>	<b>VERBRUGGE-HOHMANN</b> Bone lever · 65 mm · 25 cm	2
<b>77.11.93</b>	<b>MURPHY-LANE</b> Bone lever · 31 cm	1
<b>77.12.04</b>	<b>BENNETT</b> Bone lever · 45 mm · 24 cm	1
<b>203.57.96</b>	<b>LEXER SC PLUS</b> Scissors · curved · 16 cm	1
<b>49.60.22</b>	Medicontainer · 590 × 290 × 220 mm · silver	1
<b>49.92.63</b>	Identification label red · engraved · 50 x 17,5 mm	1
<b>49.95.26</b>	Wrapping drape · 140 x 100 cm	1
<b>49.97.21</b>	Wire basket · 510 × 255 × 50 mm	1
<b>49.97.22</b>	Wire basket · 510 × 255 × 70 mm	2





**Hallux Valgus Korrektur**  
**Hallux Valgus Correction**  
**Corrección de los dedos de pie**  
**Correction d'orteil**  
**Correzione delle dita dei piedi**



*forth. Others lay on the floor motionless. It was as though a*

**Hallux Valgus Korrektur  
Hallux Valgus Correction  
Corrección de los dedos de pie  
Correction d'orteil  
Correzione delle dita dei piedi**



<b>PART 1</b>		<b>Req. Qty</b>
<b>01.22.10</b>	Scalpel blade · fig 10 · sterile · p/100	1
<b>01.22.22</b>	Scalpel blade · fig 22 · sterile · p/100	1
<b>01.27.03</b>	Scalpel handle · no 3 · standard · 12.5 cm	1
<b>01.28.04</b>	Scalpel handle · no 4 · standard · 13.5 cm	1
<b>03.57.96</b>	<b>LEXER HM</b> Scissors · curved · 16 cm	2
<b>04.33.68</b>	<b>METZENBAUM HM</b> Scissors · curved · 18 cm	1
<b>06.01.14</b>	Dressing forceps · 14.5 cm · medium	2
<b>06.05.14</b>	Tissue forceps · 14.5 cm · 1 × 2 teeth · standard	2
<b>06.07.14</b>	Tissue forceps · 14.5 cm · 1 × 2 teeth · slim	2
<b>09.60.10</b>	<b>REDON</b> Guide needle · angled · 10 French	2
<b>09.85.00</b>	<b>YANKAUER</b> Suction tube · 28 cm	1
<b>10.18.65</b>	<b>MAYO-HEGAR HM</b> Needle holder · 15 cm	1
<b>10.18.70</b>	<b>MAYO-HEGAR HM</b> Needle holder · 20 cm	1
<b>14.06.84</b>	<b>HM</b> Ligature scissors · 14.5 cm · curved	1
<b>14.48.05</b>	Seizing forceps · double action · 5 mm · 18 cm	1
<b>15.47.12</b>	<b>HALSTED-MOSQUITO</b> forceps · 12.5 cm · curved · 1 × 2 teeth	8
<b>16.10.14</b>	<b>ROCHESTER-PEAN</b> Hemostatic forceps · 14 cm · straight	4
<b>16.12.14</b>	<b>ROCHESTER-OCHSNER</b> Hemostatic forceps · 1 × 2 teeth · 14 cm · straight	6
<b>17.55.10</b>	<b>BACKHAUS</b> Towel clamp · 10.5 cm	2
<b>19.16.26</b>	<b>MAIER</b> Dressing forceps · 26 cm · straight	2
<b>19.17.26</b>	<b>MAIER</b> Dressing forceps · 26 cm · curved	2
<b>20.18.10</b>	<b>LOVE (MORSE)</b> Retractor · 10 mm · 25 cm	2
<b>22.16.14</b>	<b>ROUX</b> Retractor · 14.0 cm · fig 1	2
<b>22.30.02</b>	<b>VOLKMANN</b> Retractor · 2 teeth · sharp · 9 mm · 21 cm	2
<b>22.34.04</b>	<b>VOLKMANN</b> Retractor · 4 teeth · sharp · 18 mm · 22 cm	2

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**Correzione delle dita dei piedi**



22.35.02 22.42.01 23.05.14 26.29.07 26.64.26 27.08.57 27.82.14 28.61.08 28.64.15 28.65.10 29.51.51



30.71.02 31.05.03 31.07.05 33.21.17 33.21.22 35.11.13 46.37.51 76.16.03

**Hallux Valgus Korrektur  
Hallux Valgus Correction  
Corrección de los dedos de pie  
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Correzione delle dita dei piedi**



<b>PART 2</b>		<b>Req. Qty</b>
<b>22.35.02</b>	<b>VOLKMANN</b> Retractor · 2 teeth · blunt · 9 mm · 22 cm	2
<b>22.42.01</b>	<b>KOCHER</b> Retractor · 1 tooth · sharp · 22 cm	1
<b>23.05.14</b>	<b>LANGENBECK</b> Retractor · 14 × 28 mm · 21 cm	2
<b>26.29.07</b>	<b>LANGENBECK</b> Elevator · 7 mm · 20 cm	1
<b>26.64.26</b>	Raspatory · 6 mm · 18.5 cm	1
<b>27.08.57</b>	<b>BERGMANN (HIBBS)</b> Metal mallet · 540 g	1
<b>27.82.14</b>	<b>WEST</b> Gouge · straight · 4 mm · 16 cm	1
<b>28.61.08</b>	<b>MINI-LEXER</b> Chisel · 8 mm · 18 cm	1
<b>28.64.15</b>	<b>LEXER</b> Chisel · 15 mm · 22 cm	1
<b>28.65.10</b>	<b>LEXER</b> Gouge · 10 mm · 22 cm	1
<b>29.51.51</b>	<b>VOLKMANN</b> Sharp curette · 17 cm · fig 1	4
<b>30.71.02</b>	<b>BEYER</b> Bone rongeur · 2 mm · curved · 17 cm	1
<b>31.05.03</b>	<b>RUSKIN-MINI</b> Bone rongeur · 3 mm · curved · 15 cm	1
<b>31.07.05</b>	<b>RUSKIN</b> Bone rongeur · 5 mm · curved · 18 cm	1
<b>33.21.17</b>	<b>LISTON</b> Bone cutting forceps · 17 cm · curved	1
<b>33.21.22</b>	<b>LISTON</b> Bone cutting forceps · 22 cm · curved	1
<b>35.11.13</b>	Bone clamp · 13.5 cm ang	2
<b>46.37.51</b>	Inner case · only · for 46.37.50	1
<b>76.16.03</b>	<b>KIRSCHNER</b> Wire tube · 16 cm · Ø 12 mm	1

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**Correzione delle dita dei piedi**



76.45.85



77.10.20



77.10.60



77.11.10



78.35.11



87.30.12 1:1



87.33.70



204.33.63



49.60.17



49.95.26



49.97.21

**Hallux Valgus Korrektur**  
**Hallux Valgus Correction**  
**Corrección de los dedos de pie**  
**Correction d'orteil**  
**Correzione delle dita dei piedi**



<b>PART 3</b>		<b>Req. Qty</b>
<b>76.45.85</b>	<b>EASY CUT HM</b> Wire and pin cutter · 20 cm	1
<b>77.10.20</b>	<b>DINGMAN</b> Bone hook · 20 mm · 17 cm	1
<b>77.10.60</b>	<b>LANGE-BABY</b> Bone lever · 17 mm · 17 cm	2
<b>77.11.10</b>	<b>HOHMANN</b> Bone lever · 10 mm · 22 cm	2
<b>78.35.11</b>	Bone lever · 6 mm · 16 cm	2
<b>87.30.12</b>	Lancet electrode · straight · 25 mm	1
<b>87.33.70</b>	Electrode handle · Ø 4.0 mm · with cable · 4.5 m	1
<b>204.33.63</b>	<b>METZENBAUM SC PLUS</b> Scissors · curved · 14 cm	1
<b>49.60.17</b>	Medicontainer · 590 × 290 × 170 mm · silver	1
<b>49.92.63</b>	Identification label red · engraved · 50 x 17,5 mm	1
<b>49.95.26</b>	Wrapping drape · 140 x 100 cm	1
<b>49.97.21</b>	Wire basket · 510 × 255 × 50 mm	3





**Siebsichtung**  
**Set Checking**  
**Servicio de revisión del instrumental quirúrgico**  
**Contrôle des boîtes**  
**Verifica dei set chirurgici**



Wir bieten Krankenhäusern den Service von Siebsichtungen an. Leistungsumfang der Siebsichtung:

- ▶ Erfassung des gesamten Instrumentariums nach Quantität und Wert
- ▶ Standardisierung der Siebe respektive Ergänzung fehlender Instrumente
- ▶ Austausch oder Reparatur defekter Instrumente
- ▶ Erstellung von Übersichts- und Packlisten

We offer a set checking service for hospitals. Performance of the set checking service:

- ▶ Record of all instruments according to quantity and value
- ▶ Standardization of the sets and completion of missing instruments respectively
- ▶ Exchange or repair of defective instruments
- ▶ Compilation of summary or packing lists



Nosotros ofrecemos para hospitales un servicio de revisión del instrumental quirúrgico. Contenido del servicio:

- ▶ Registro de todos los instrumentos según cantidad y valor
- ▶ Estandarizar los set instrumentales y completar los instrumentos faltantes
- ▶ Cambio o reparación de instrumentos defectos
- ▶ Elaboración de listas de contenido y empaque

Nous offrons aux hôpitaux un service de contrôle des boîtes. Le contrôle des boîtes contient:

- ▶ Enregistrement et chiffrage de l'instrumentation complète selon quantité et valeur
- ▶ Standardisation des boîtes ou complément d'instruments manquants
- ▶ Echange ou réparation des instruments défectueux
- ▶ Mise en place de listes de contenu et d'emballage



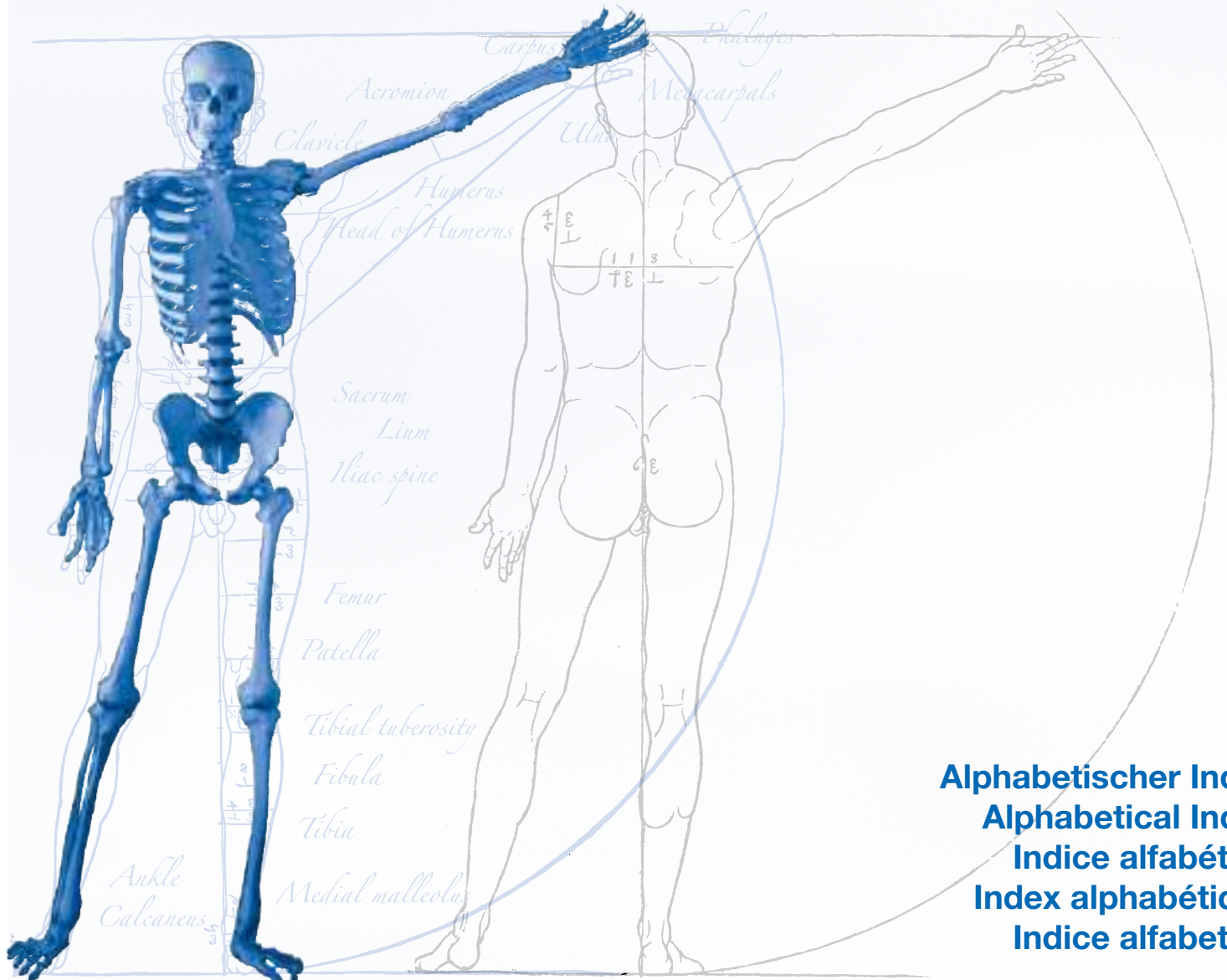
Offriamo un servizio di verifica dei set chirurgici per gli ospedali. Interventi nella verifica dei set chirurgici:

- ▶ Raccolta dello strumentario secondo quantità e valore
- ▶ Standardizzazione dei set attraverso l'aggiunta degli strumenti mancanti
- ▶ Sostituzione o riparazione degli strumenti difettosi
- ▶ Stesura di un elenco del contenuto e dell'imballaggio



# ORTHO PAEDICS

## IMPLANTS AND INSTRUMENTS



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Índice alfabético  
Index alphabétique  
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*found two days later. Her eyes were dull and empty. But*



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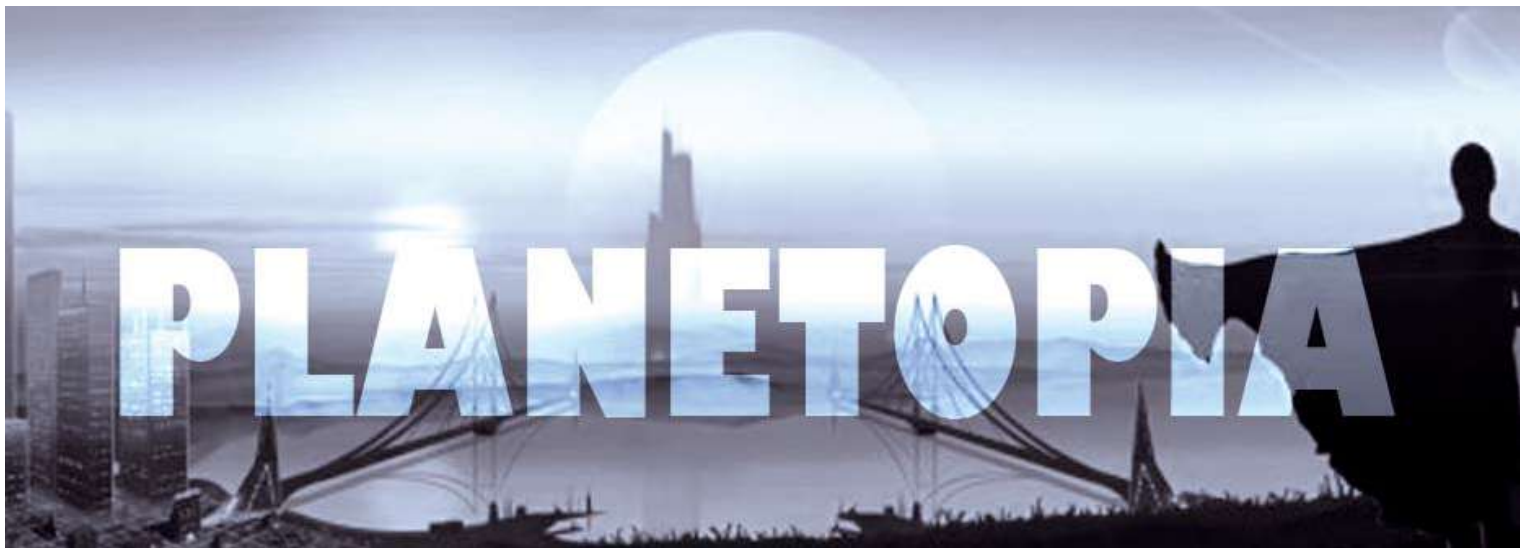
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one side of the air-lock door, while the mangled remains of 300 elite troops were on the other side.

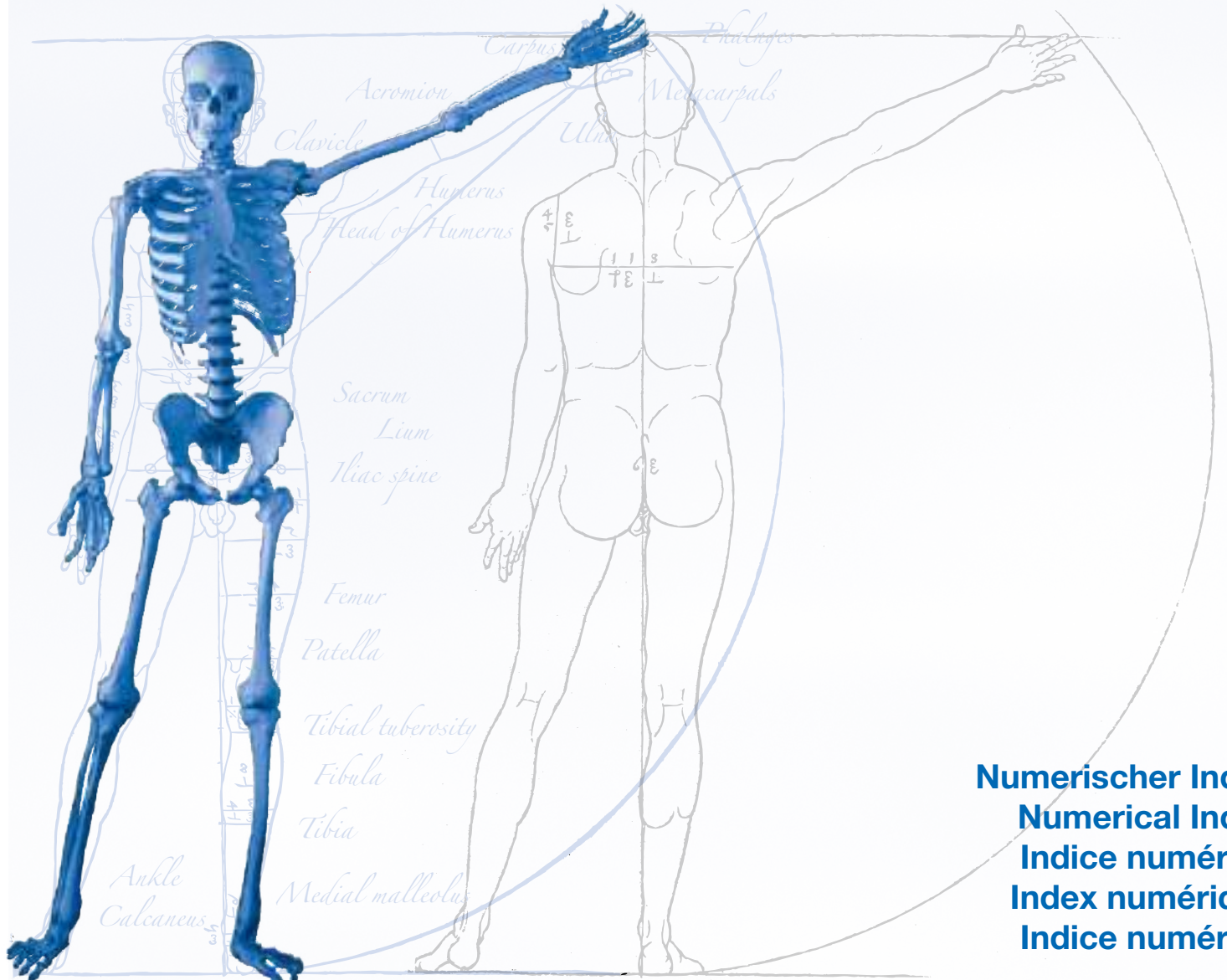
On one of the three, Tanja found the back-up copy of the DNA library and the databank. She felt a warm spark of hope one last time. Her instructions were clear. With the help of the remaining working robots, a new gigantic pyramid-shaped cavernous system was constructed. It extended several square kilometres. In the meantime the remaining scientists set about creating an artificial sun, a kind of fusion reactor. The plasma was to be contained with strong magnetic fields at the highest point of the cavernous system. The nuclear fusion was to be stepped up or down at discretion. Thus day and night were created. Lakes were excavated and rivers drawn through the landscape. And the water abounded with fish and animals. Meadows and herbs sprung up. Fertile tropical trees were planted. Entire forests and tropical gardens were laid out. Colourful birds, animals and all lowly creatures were generated from the DNA library, each

according  
to its type. In  
the seventh year,

the work was completed and

# ORTHO PAEDICS

## IMPLANTS AND INSTRUMENTS



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28.05.06	147	28.50.30	149	28.64.20	150	28.67.64	153	28.94.94	157
28.05.08	147	28.50.40	149	28.64.25	150	28.67.65	153	28.94.99	157
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28.06.05	147	28.51.30	149	28.65.15	150	28.67.75	153	29.10.14	158
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28.43.25	148	28.54.10	155	28.66.50	152	28.72.80	156	29.40.56	160
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28.44.06	148	28.54.25	155	28.66.55	152	28.94.06	157	29.48.03	161
28.44.08	148	28.61.02	150	28.67.04	153	28.94.08	157	29.48.04	161
28.44.10	148	28.61.04	150	28.67.05	153	28.94.10	157	29.48.05	161
28.44.12	148	28.61.06	150	28.67.06	153	28.94.12	157	29.48.06	161
28.44.15	148	28.61.08	150	28.67.08	153	28.94.15	157	29.48.07	161
28.44.20	148	28.61.10	150	28.67.10	153	28.94.20	157	29.48.08	161
28.44.25	148	28.61.12	150	28.67.12	153	28.94.25	157	29.48.10	161
28.44.60	148	28.61.15	150	28.67.15	153	28.94.30	157	29.48.12	161
28.44.65	148	28.61.20	150	28.67.20	153	28.94.40	157	29.48.14	161
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*evacuated. The military deep complex was closed. The*



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*working robots were reprogrammed. They took over the*





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40.55.37	276	75.50.22	214	75.55.38	214	75.61.44	214	75.70.54	221
40.55.70	275	75.50.24	214	75.55.40	214	75.61.46	214	75.70.56	221
40.55.73	276	75.50.26	214	75.55.42	214	75.61.48	214	75.70.57	221
40.55.76	276	75.50.28	214	75.55.44	214	75.61.50	214	75.70.59	221
40.55.77	276	75.50.30	214	75.55.46	214	75.61.52	214	75.71.00	222
40.56.37	276	75.50.32	214	75.55.48	214	75.62.36	214	75.71.10	221
40.56.77	276	75.50.34	214	75.55.50	214	75.62.38	214	75.71.12	221
40.60.05	277	75.50.36	214	75.55.52	214	75.62.40	214	75.71.13	221
40.60.50	287	75.51.18	214	75.56.34	214	75.62.42	214	75.71.14	221
40.60.60	286	75.51.20	214	75.56.36	214	75.62.44	214	75.71.15	221
40.60.61	286	75.51.22	214	75.56.38	214	75.62.46	214	75.71.16	221
40.60.62	287	75.51.24	214	75.56.40	214	75.62.48	214	75.71.17	221
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40.60.81	288	75.51.32	214	75.56.48	214	75.66.06	210	75.71.22	221
40.60.84	288	75.51.34	214	75.56.50	214	75.66.07	211	75.71.24	221
40.61.05	277	75.51.36	214	75.56.52	214	75.66.08	211	75.71.25	221
40.61.50	287	75.51.38	214	75.57.34	214	75.66.30	210	75.72.00	222
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40.62.65	287	75.52.26	214	75.57.40	214	75.66.33	210	75.72.24	221
40.63.05	277	75.52.28	214	75.57.42	214	75.66.34	210	75.72.26	221
40.66.05	277	75.52.30	214	75.57.44	214	75.66.35	210	75.72.28	221
40.70.27	278	75.52.32	214	75.57.46	214	75.66.36	210	75.72.30	221
40.75.23	278	75.52.34	214	75.57.48	214	75.66.37	210	75.72.32	221
40.81.18	278	75.52.36	214	75.57.50	214	75.66.38	210	75.72.34	221
40.81.24	278	75.52.38	214	75.57.52	214	75.66.39	210	75.72.36	221
44.30.20	206	75.52.40	214	75.58.34	214	75.66.40	210	75.73.00	222
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75.78.50	212	75.84.48	212	75.88.32	213	75.91.23	213	75.94.40	213
75.79.30	212	75.85.36	212	75.88.33	213	75.91.24	213	75.95.00	216
75.79.32	212	75.85.38	212	75.88.34	213	75.91.25	213	75.95.06	215
75.79.34	212	75.85.40	212	75.88.35	213	75.91.26	213	75.95.07	215
75.79.36	212	75.85.42	212	75.88.36	213	75.91.27	213	75.95.08	215
75.79.38	212	75.85.44	212	75.88.37	213	75.91.28	213	75.95.09	215
75.79.40	212	75.85.46	212	75.88.38	213	75.91.29	213	75.95.10	215
75.79.42	212	75.85.48	212	75.88.39	213	75.91.30	213	75.95.11	215
75.79.44	212	75.86.18	213	75.88.40	213	75.91.31	213	75.95.12	215
75.79.46	212	75.86.20	213	75.89.18	213	75.91.32	213	75.95.13	215
75.79.48	212	75.86.22	213	75.89.19	213	75.91.33	213	75.95.14	215
75.79.50	212	75.86.23	213	75.89.20	213	75.91.34	213	75.95.15	215
75.80.30	212	75.86.24	213	75.89.21	213	75.91.35	213	75.95.16	215
75.80.32	212	75.86.26	213	75.89.22	213	75.91.36	213	75.95.21	217
75.80.34	212	75.86.28	213	75.89.23	213	75.91.37	213	75.95.22	217
75.80.36	212	75.86.30	213	75.89.24	213	75.91.38	213	75.95.25	217
75.80.38	212	75.86.36	212	75.89.25	213	75.91.39	213	75.95.32	217
75.80.40	212	75.86.38	212	75.89.26	213	75.91.40	213	75.95.33	217
75.80.42	212	75.86.40	212	75.89.27	213	75.92.23	213	75.95.34	217
75.80.44	212	75.86.42	212	75.89.28	213	75.92.24	213	75.95.35	217
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75.80.48	212	75.86.46	212	75.89.30	213	75.92.26	213	75.95.53	218
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75.81.46	212	75.87.26	213	75.89.40	213	75.92.36	213	75.95.79	219
75.81.48	212	75.87.27	213	75.90.18	213	75.92.37	213	75.95.80	220
75.81.50	212	75.87.28	213	75.90.19	213	75.92.38	213	75.95.81	220
75.81.52	212	75.87.29	213	75.90.20	213	75.92.39	213	75.95.86	220
75.82.34	212	75.87.30	213	75.90.21	213	75.92.40	213	75.95.87	220
75.82.36	212	75.87.31	213	75.90.22	213	75.93.27	213	75.95.88	220

*replace and repair the other. And man was no longer*



75.95.89	220	76.06.18	226	76.07.68	226	76.08.58	227	76.10.70	226
76.00.00	215	76.06.19	226	76.07.69	226	76.08.59	227	76.10.72	226
76.00.05	215	76.06.20	226	76.07.70	226	76.08.60	227	76.10.75	226
76.00.10	215	76.06.22	226	76.07.72	226	76.08.61	227	76.10.78	227
76.00.12	215	76.06.25	226	76.07.75	226	76.08.62	227	76.10.79	227
76.00.14	215	76.06.40	226	76.07.78	227	76.08.63	227	76.10.80	227
76.00.16	215	76.06.58	226	76.07.79	227	76.08.64	227	76.10.81	227
76.00.18	215	76.06.59	226	76.07.80	227	76.09.07	256	76.10.82	227
76.00.20	215	76.06.61	226	76.07.81	227	76.09.08	256	76.10.83	227
76.00.22	215	76.06.62	226	76.07.82	227	76.09.09	256	76.10.84	227
76.00.24	215	76.06.63	226	76.07.83	227	76.09.15	256	76.10.85	227
76.00.26	215	76.06.64	226	76.07.84	227	76.09.16	256	76.10.86	227
76.00.28	215	76.06.65	226	76.07.85	227	76.09.17	256	76.10.87	227
76.00.30	215	76.06.66	226	76.07.86	227	76.09.18	256	76.10.88	227
76.00.32	215	76.06.67	226	76.07.87	227	76.09.20	256	76.10.89	227
76.00.34	215	76.06.68	226	76.07.88	227	76.09.21	256	76.10.90	227
76.00.36	215	76.06.69	226	76.07.89	227	76.09.22	256	76.10.92	227
76.00.38	215	76.06.70	226	76.07.90	227	76.09.25	256	76.10.95	227
76.00.40	215	76.06.72	226	76.07.92	227	76.09.26	256	76.11.00	227
76.00.42	215	76.06.75	226	76.07.95	227	76.09.28	256	76.11.08	226
76.00.44	215	76.06.78	227	76.08.00	239	76.09.29	256	76.11.09	226
76.00.46	215	76.06.79	227	76.08.01	239	76.09.40	257	76.11.10	226
76.00.48	215	76.06.80	227	76.08.10	226	76.09.41	257	76.11.11	226
76.00.50	215	76.06.81	227	76.08.11	226	76.09.42	257	76.11.12	226
76.00.52	215	76.06.82	227	76.08.12	226	76.09.45	257	76.11.13	226
76.00.54	215	76.06.83	227	76.08.13	226	76.09.46	257	76.11.14	226
76.00.56	215	76.06.84	227	76.08.14	226	76.09.47	257	76.11.15	226
76.00.58	215	76.06.85	227	76.08.15	226	76.09.50	257	76.11.16	226
76.01.02	237	76.06.86	227	76.08.16	226	76.09.51	257	76.11.17	226
76.01.03	237	76.06.87	227	76.08.17	226	76.09.52	257	76.11.18	226
76.01.04	237	76.06.88	227	76.08.18	226	76.09.53	257	76.11.19	226
76.01.05	237	76.06.89	227	76.08.19	226	76.09.70	257	76.11.20	226
76.01.06	237	76.06.90	227	76.08.20	226	76.09.72	257	76.11.22	226
76.01.07	237	76.06.92	227	76.08.21	226	76.10.08	226	76.11.25	226
76.01.08	237	76.06.95	227	76.08.22	226	76.10.09	226	76.11.30	226
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76.01.12	237	76.07.10	226	76.08.30	226	76.10.12	226	76.11.60	226
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76.01.20	237	76.07.13	226	76.08.33	226	76.10.15	226	76.11.65	226
76.05.01	238	76.07.14	226	76.08.34	226	76.10.16	226	76.11.66	226
76.05.02	238	76.07.15	226	76.08.35	226	76.10.17	226	76.11.67	226
76.05.03	238	76.07.16	226	76.08.36	226	76.10.18	226	76.11.68	226
76.05.23	238	76.07.17	226	76.08.37	226	76.10.19	226	76.11.70	226
76.05.24	239	76.07.18	226	76.08.38	226	76.10.20	226	76.11.72	226
76.05.27	239	76.07.19	226	76.08.39	226	76.10.22	226	76.11.75	226
76.05.50	240	76.07.20	226	76.08.40	226	76.10.25	226	76.11.80	226
76.05.60	240	76.07.22	226	76.08.41	226	76.10.58	226	76.12.08	226
76.05.65	241	76.07.25	226	76.08.42	226	76.10.59	226	76.12.09	226
76.06.08	226	76.07.58	226	76.08.43	226	76.10.60	226	76.12.10	226
76.06.09	226	76.07.59	226	76.08.44	226	76.10.61	226	76.12.11	226
76.06.10	226	76.07.60	226	76.08.50	227	76.10.62	226	76.12.12	226
76.06.11	226	76.07.61	226	76.08.51	227	76.10.63	226	76.12.13	226
76.06.12	226	76.07.62	226	76.08.52	227	76.10.64	226	76.12.14	226
76.06.13	226	76.07.63	226	76.08.53	227	76.10.65	226	76.12.15	226
76.06.14	226	76.07.64	226	76.08.54	227	76.10.66	226	76.12.16	226
76.06.15	226	76.07.65	226	76.08.55	227	76.10.67	226	76.12.17	226
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*was a holiday for all generations to come. The expression Medicon was synonymous for justice and boundless freedom from this time onwards. "Jack I'm coming.": said Tanja with tear-filled eyes. The sun shone warm on her face, she looked over the luscious green fields for the last time. A pleasant breeze tickled her nostrils.*

*The End*



This science fiction story has been written by our trainee Kristof Dieckmann. Kristof is born 15<sup>th</sup> April, 1985 and is in his second year of traineeship. The story was finished during his summer vacation 2007 and is part of a competition of the MEDICON trainees.



**Weitere Medicon Produkte  
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## **Medicontainer**

**Container-Systeme  
Container systems  
Sistema de contenedores  
Systèmes de containers  
Sistemi di contenitori**



## **Servotronic**

**Mikrosägen  
Micro Saws  
Microsierras  
Microscies  
Microseghe**

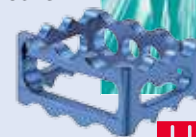


## **Neuro**

**Neurochirurgie  
Neurosurgery  
Neurocirugía  
Neurochirurgie  
Neurochirurgia**

## **Medi Cage**

**Implantate für die Halswirbelsäule  
Implants for Cervical Spine  
Implantes para la columna cervical  
Implants pour le rachis cervical  
Impianti per la colonna cervicale**



**MediCage**  
*Cervical*



## **Implant Art**

**Implantate für die Osteosynthese  
Implants for the Osteosynthesis  
Implantes para la osteosintesis  
Implants pour l'ostéosynthèse  
Impianti per la osteosintesi**

**Medicon**  
**ImplantArt**  
OSTEOSYNTHESIS



## Implant Passport

Der Implantat-Pass bietet Informationen der eingesetzten Implantate, für nachbehandelnde Ärzte und Physiotherapeuten.

Bei Sicherheitskontrollen an Flughäfen oder sonstigen öffentlichen Gebäuden können Metalldetektoren möglicherweise aufgrund eines Implantates ansprechen. Der Implantat-Pass dient dann zur besseren und einfacheren Erklärung und Identifizierung. (459.03.01)

## Implant Passport

The implant passport provides information about the inserted implants for all follow-up treatments by surgeons or physiotherapists.

During security checks at airports or other public buildings metal detectors may react because of the implants. The implant passport then facilitates explanations and identification (459.03.01)

## Implant Passport

El carnet de implantes ofrece informaciones sobre los implantes posicionados a médicos para el tratamiento post-operatorio.

En los controles de seguridad como p.ej. en los aeropuertos u otros edificios públicos los detectores de metales pueden dar señal a causa de los implantes. El carnet de implantes sirve a una mejor identificación y explicación. (459.03.01)

## Passe-Implant

Le Passe-Implant, destiné aux médecins et aux physiothérapeutes pour le suivi post-opératoire, offre des informations au sujet des implants. Lors de contrôles de sécurité aux aéroports ou dans toutes autres établissements, il se peut que le détecteur de métal réagisse à la présence des implants. Le Passe-Implant facilite alors l'identification des implants et sa justification. (459.03.01)

## Implant Passport

Il tesserino degli impianti offre informazioni sugli impianti applicati nei pazienti per medici post-terapeutici.

Nei controlli di sicurezza agli aeroporti o edifici pubblici i detector di metallo possono emanare un segnale a causa degli impianti. In questi casi il tesserino degli impianti serve ad una migliore identificazione e spiegazione. (459.03.01)

