



**Orthopädie
Instrumente**

**Orthopedic
Instruments**

**Instrumentos
para ortopédia**

**Strumenti
per ortopedia**

REDA
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Ausgabe Nr. 2
Datum: 08/2008



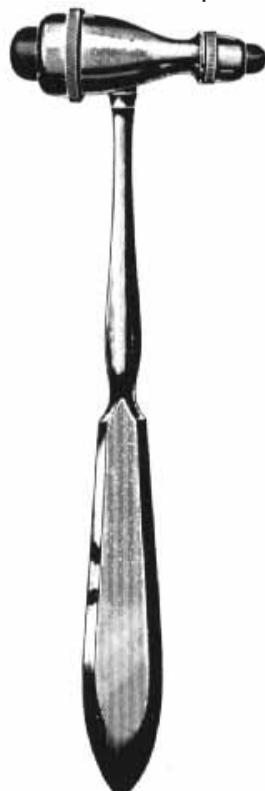
Perkussionshämmmer
Percussion Hammers
Martillos de percusión
Martelli da percussione



TAYLOR - USA Mod.
03288-17 17 cm, 6 3/4"
03288-20 20 cm, 8"



BABINSKY
03292-22 22 cm, 8 3/4"



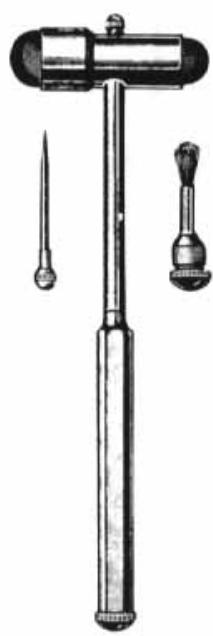
TROEMNER
03294-24 24 cm, 9 1/2"



DEJERINE
03304-20 20 cm, 8"



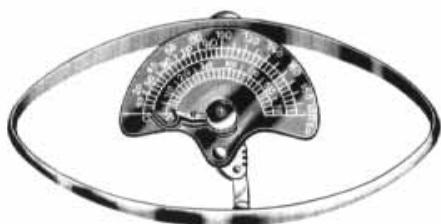
BERLINER
03306-17 17 cm, 6 3/4"



BUCK
03308-18 18 cm, 7"

Prüf- und Meßinstrumente
Examination and Measuring Instruments
Instrumentos para exámenes y medidas
Strumenti per esaminare e misurare

Dynamometer
Dynamometer
Dinamómetro
Dinamometro



COLLIN
03310-01 Erwachsene, Adult,
adultos, adulti
03310-02 Kind, child, niños, bambini



MOELTGEN
03312-01

Finger-Goniometer
Finger goniometer
Goniómetro para dedos
Goniometro per le dita
03314-01



WARTENBERG
03320-19 19 cm, 7 1/2"

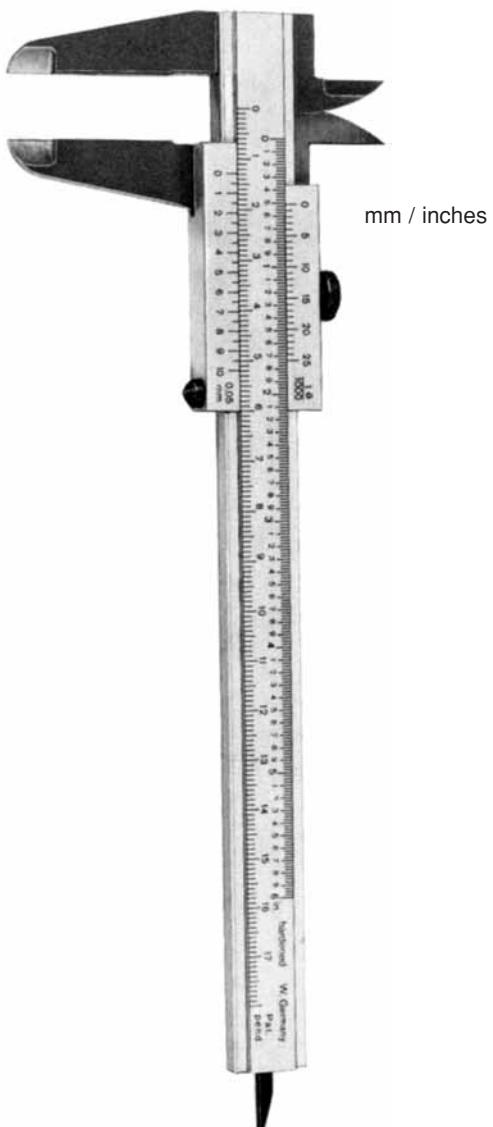


aus Stahl
of steel
de acero
di acciaio
03350-15 1,5 m 0.6"



Metall
03340-10 10 cm 4"
03340-15 15 cm 6"
03340-20 20 cm 8"
03340-30 30 cm 12"
03340-50 50 cm 20"

Schieblehren
Calipers
Calibres
Calibro

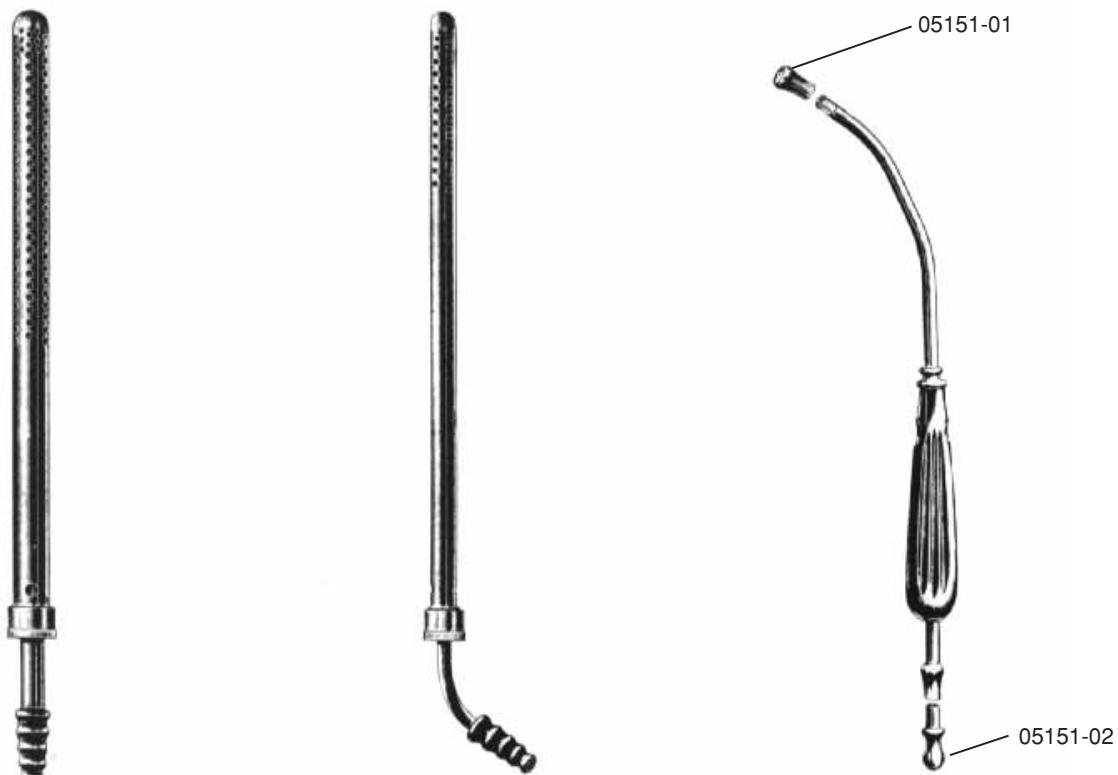


03360-21
21 cm, 8 1/4"



Townley
Femur Schieblehre
03361-10
10 cm, 4"

Saugrohre
Suction tubes
Tubos de aspiración
Cannule per aspirazione

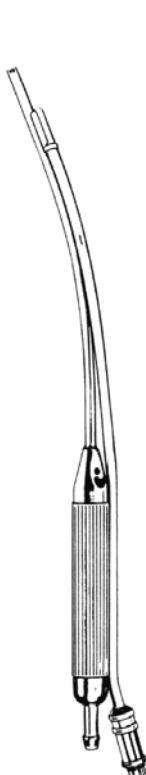


POOLE
05130-10 10 mm ø, 0.4"
(30 Fr.)
22 cm, 8 3/4"

POOLE
05140-08 8 mm ø, 0.3"
(23 Fr.)
22 cm, 8 3/4"

compl. BABY-YANKAUER
05150-21 21 cm, 8 1/4"
compl. YANKAUER
05150-27 27 cm, 10 1/2"

Saugrohre
Suction tubes
Tubos de aspiración
Cannule per aspirazione



COOLEY
05160-01
8 mm ø, 0.3" / 36 cm, 14 1/4"
mit Kaltlicht
with cold-light
con luz fría
con luce fredda



COOLEY
05160-02
8 mm ø, 0.3"
36 cm
14 1/4"



COOLEY
05160-03
8 mm ø, 0.3"
30 cm
11 3/4"



DE BAKEY
05160-04
3 mm ø, 0.1"



ANDREW-PYNCHON
05170-24
6 mm ø, 1/2"
24 cm, 9 1/2"

Skalpell-Griffe
Scalpel Handles
Mangos de bisturíes
Manici per lama bisturi

passend zu den Klingen
for blades
para las hojas
per lama bisturi

(A) No. 10, 11, 12, 13, 14, 15, 16, 17, 18, 19

(B) No. 20, 21, 22, 23, 24, 25



07103-00
Fig. 3

(A)



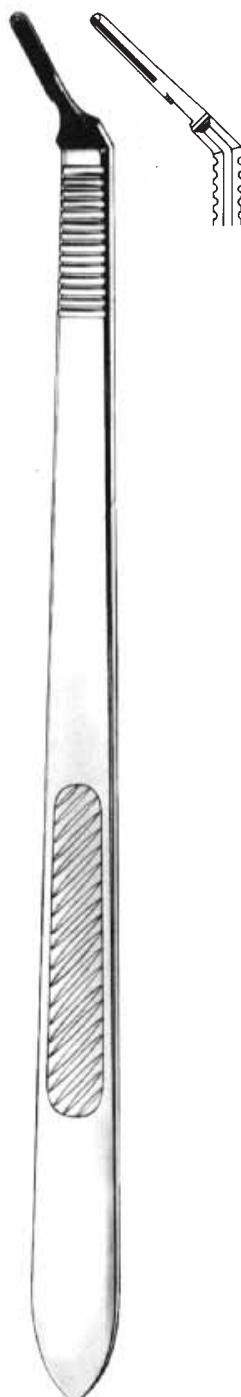
07103-01
Fig. 3 grad.

(A)



07103-02
Fig. 3 L

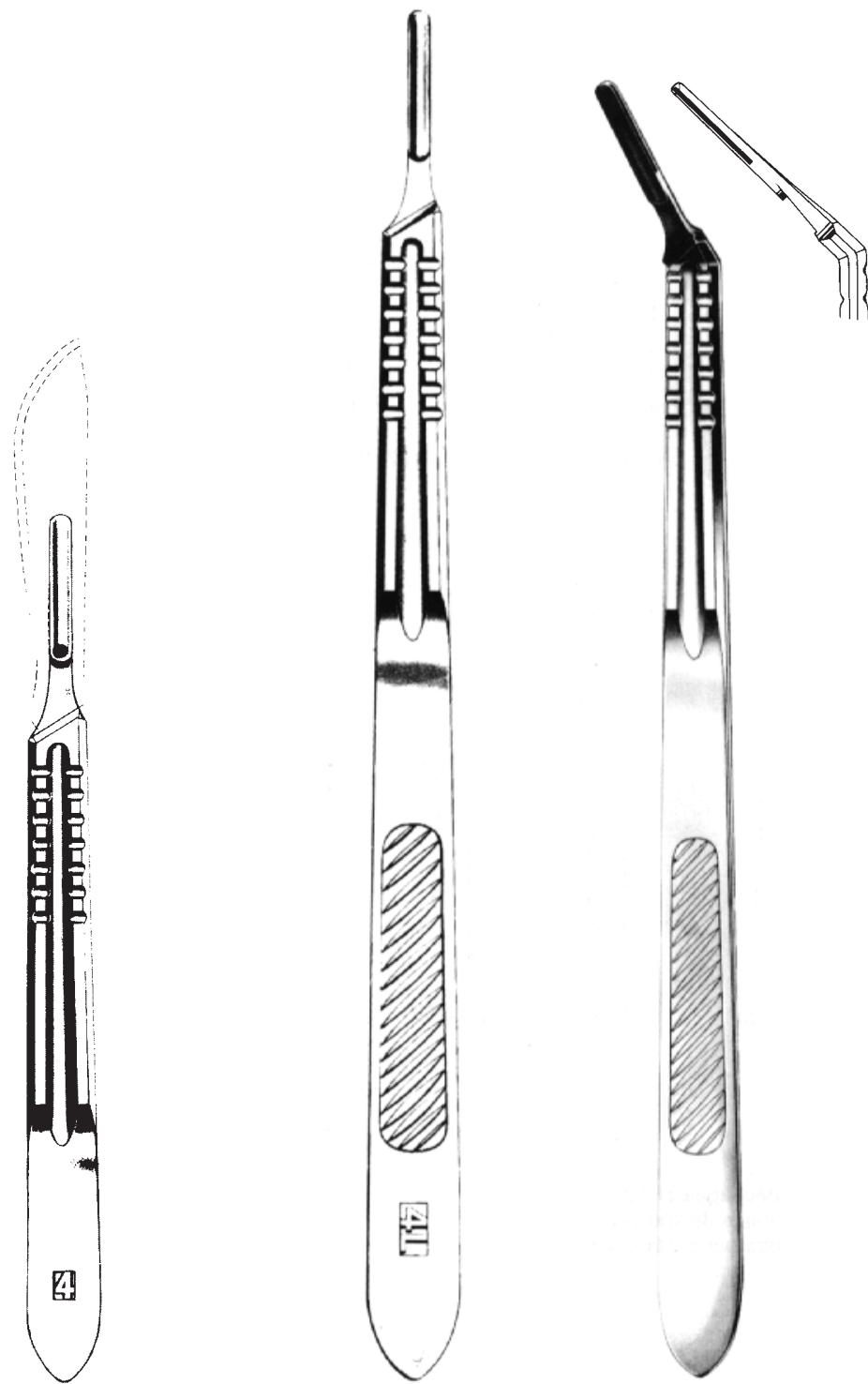
(A)



07109-03
Fig. 3 L

(A)

Skalpell-Griffe
Scalpel Handles
Mangos de bisturíes
Manici per lama bisturi



07104-00

Fig. 4



07104-02

Fig. 4 L



07105-02

Fig. 4 L



Skalpell-Griffe
Scalpel Handles
Mangos de bisturíes
Manici per lama bisturi



07107-00

Fig. 7

(A)



07107-01

Fig. 7K

(A)



07108-00

Fig. 8

(B)

Skalpell-Griffe
Scalpel Handles
Mangos de bisturíes
Manici per lama bisturi

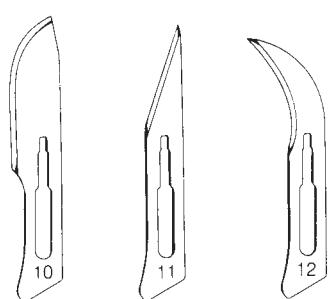


07161-00 07162-00 07165-00 07167-00

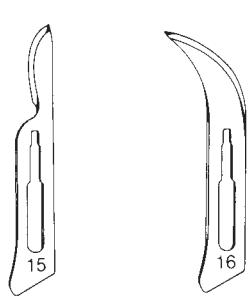
Packung mit 10 Stück
box of 10
en cajas de 10
confezione di 10

07109-10 10,0 cm, 4"
07109-13 13,0 cm, 5"
07109-15 15,5 cm, 6"

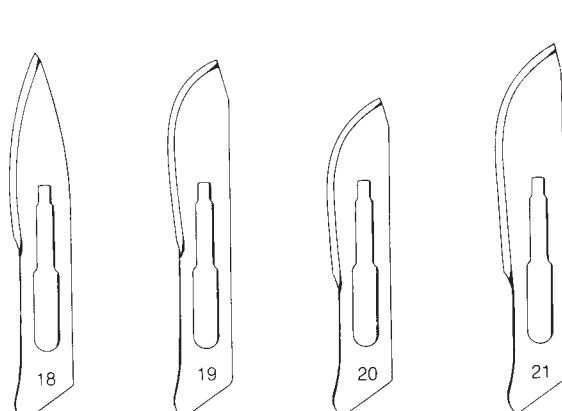
Skalpell-Klingen, Steril
Scalpel Blades, Sterile
Hojas de bisturí, estéril
Lame per bisturi, sterili



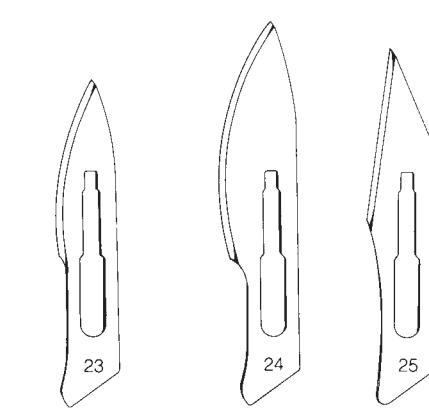
07110-00 07111-00 07112-00 07113-00



07115-00 07116-00



07118-00 07119-00 07120-00 07121-00 07122-00



07123-00 07124-00 07125-00



Produktionscharge
Prod. Charge
Numero di serie

Verfalldatum/Herstellungsdatum
expire date/prod. date
Data di scadenza

Indikator
Indicator
Indicatore

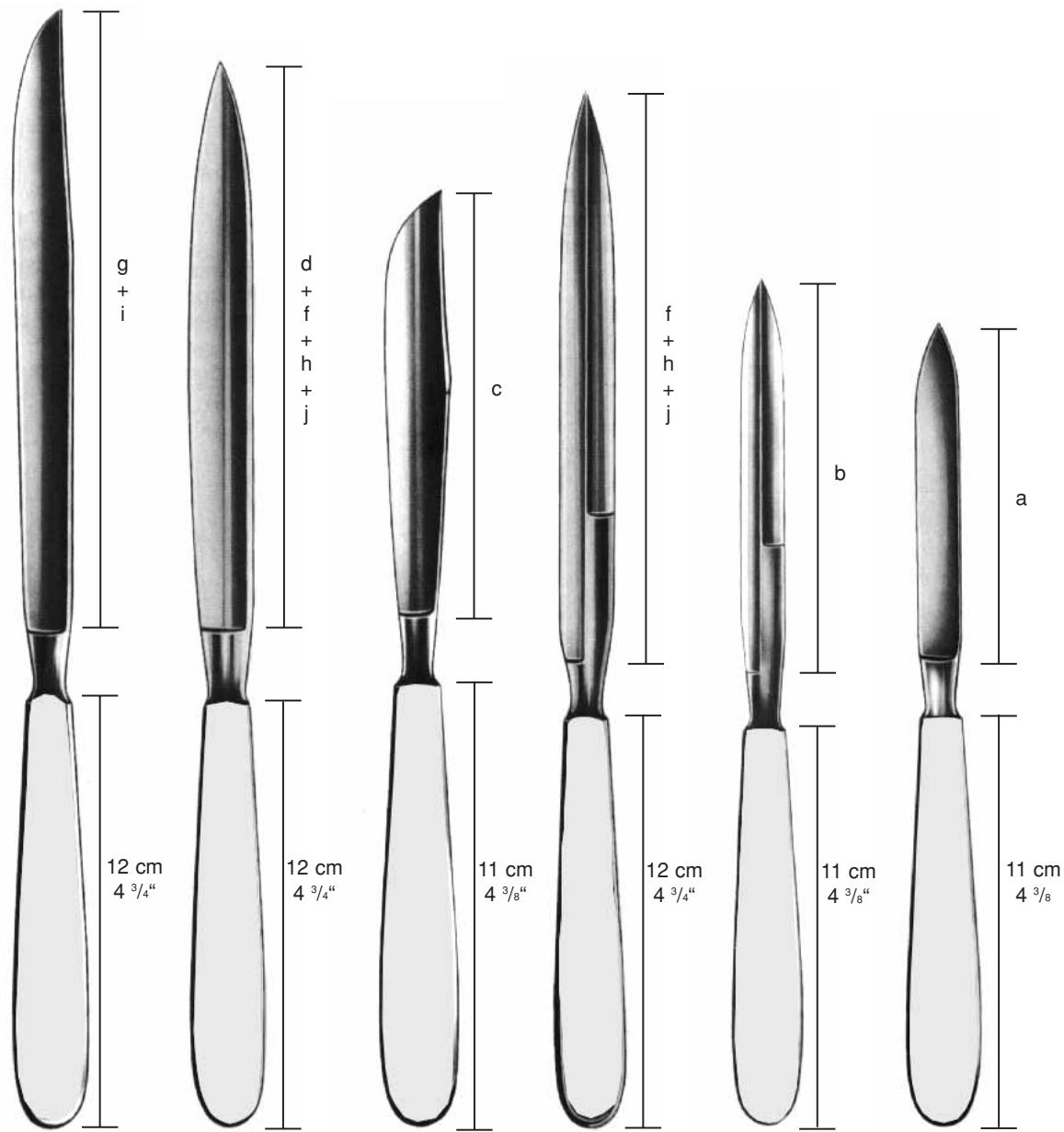
Packung mit 100 Stück
in packages of 100 each
en cajas de 100 c/u
confezione di 100 pezzi

Skalpellklingen-Entferner
Scalpel Blade Remover
Quita hojas
Distributore lame



07130-00

Amputationsmesser
Amputation Knives
Cuchillos para amputaciòn
Coltelli per amputazione



Liston
07200-17
07200-20

Reda
07201-13
07201-16
07201-19
07201-22

Langenbeck
07202-12

Catlin
doppelschneidig
double
aftingededeges
filo doble
doppio taglio
07203-16
07203-19
07203-22

07204-11
Zwischenknochen-
messер doppel-
schneidig
Inerosseous knife
double aftingededeges
Cuchillo interóseo
filo doble
Coltello interosseo
doppio taglio

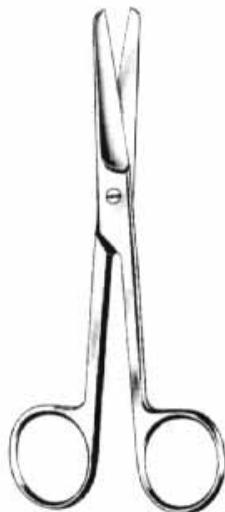
07205-09
Phalangen-
messer
Phalangeal knife
Cuchillos para
falanges
Coltello per falangi

Schnittlänge
Length of blades
Largo de hojas
Lunghezza delle lame

a - 9,5 cm c - 12,0 cm e - 15,0 cm g - 17,0 cm i - 20,0 cm
b - 11,0 cm d - 13,0 cm f - 16,0 cm h - 19,0 cm j - 22,0 cm

a - 3 3/4"
b - 4 3/8"
c - 4 3/4"
d - 5"
e - 6"
f - 6 1/4"
g - 6 3/4"
h - 7 1/2"
i - 8"
j - 8 3/4"

Chirurgische Scheren
Operating Scissors
Tijeras para cirugía
Forbici per chirurgia



STANDARD

09102-11 11,5 cm, 4 1/2"
09102-13 13,0 cm, 5"
09102-14 14,5 cm, 5 3/4"
09104-14 TC
09102-15 15,5 cm, 6"
09102-16 16,5 cm, 6 1/2"
09102-18 18,5 cm, 7 1/4"
09102-20 20,0 cm, 8"



STANDARD

09110-11 11,5 cm, 4 1/2"
09110-13 13,0 cm, 5"
09110-14 14,5 cm, 5 3/4"
09114-14 TC
09110-15 15,5 cm, 6"
09110-16 16,5 cm, 6 1/2"
09110-18 18,5 cm, 7 1/4"
09110-20 20,0 cm, 8"



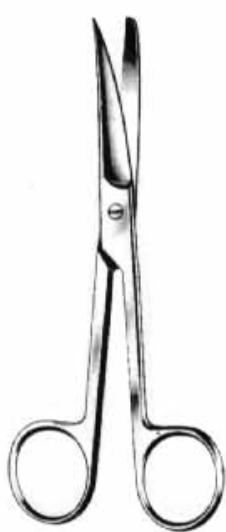
STANDARD

09120-11 11,5 cm, 4 1/2"
09120-13 13,0 cm, 5"
09120-14 14,5 cm, 5 3/4"
09124-14 TC
09120-15 15,5 cm, 6"
09120-16 16,5 cm, 6 1/2"
09120-18 18,5 cm, 7 1/4"
09120-20 20,0 cm, 8"



STANDARD

09103-11 11,5 cm, 4 1/2"
09103-13 13,0 cm, 5"
09103-14 14,5 cm, 5 3/4"
09105-14 TC
09103-15 15,5 cm, 6"
09103-16 16,5 cm, 6 1/2"
09103-18 18,5 cm, 7 1/4"
09103-20 20,0 cm, 8"



STANDARD

09111-11 11,5 cm, 4 1/2"
09111-13 13,0 cm, 5"
09111-14 14,5 cm, 5 3/4"
09115-14 TC
09111-15 15,5 cm, 6"
09111-16 16,5 cm, 6 1/2"
09111-18 18,5 cm, 7 1/4"
09111-20 20,0 cm, 8"



STANDARD

09121-11 11,5 cm, 4 1/2"
09121-13 13,0 cm, 5"
09121-14 14,5 cm, 5 3/4"
09125-14 TC
09121-15 15,5 cm, 6"
09121-16 16,5 cm, 6 1/2"
09121-18 18,5 cm, 7 1/4"
09121-20 20,0 cm, 8"

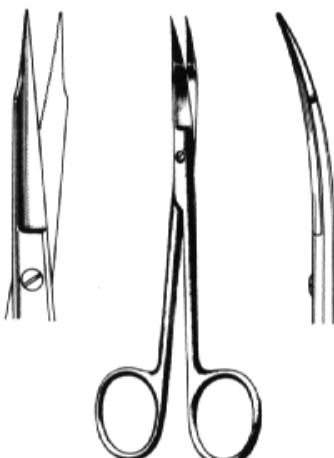
Scheren, Ophthal, Nase
Scissors, Ophthal, Nasal
Tijeras, oftalmología, nasales
Forbici, oftalmologia, nasali



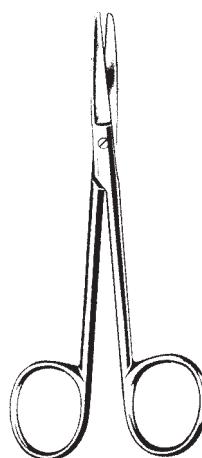
— STRABISMUS —
09370-11 09371-11
09374-11 TC 09375-11 TC
11 cm, 4 3/8"

Zahnfleischscheren
Gum Scissors
Tijeras para encías
Forbici gingivali

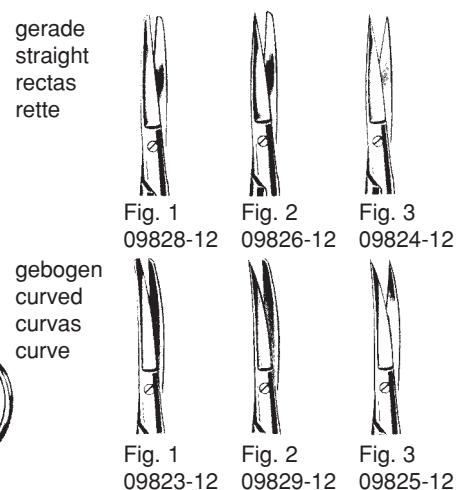
1 Schneide gezahnt
1 blade toothed
1 hoja dentada
1 taglio della lama dentellato



— GOLDMAN-FOX —
09820-13 13 cm, 5 1/8" 09821-13



WAGNER
12 cm, 4 3/4"



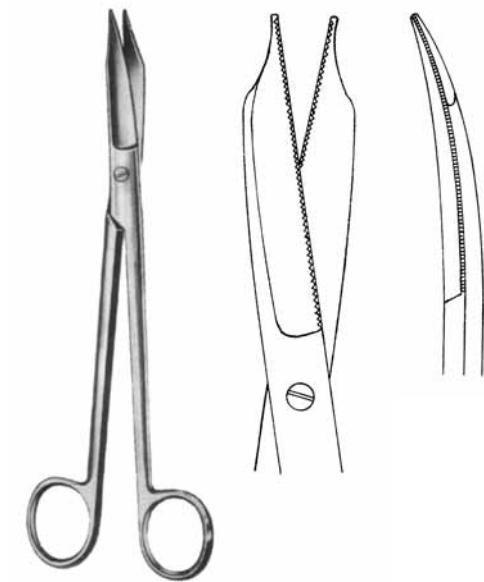
Chirurgische Scheren
Operating Scissors
Tijeras para cirugía
Forbici per chirurgia

Draht-, Blechscheren
Wire and plate shears
Tijeras para alambre y láminas
Forbici per filo di metallo e lamiera



QUINBY
09827-12 12 cm, 4 3/4"

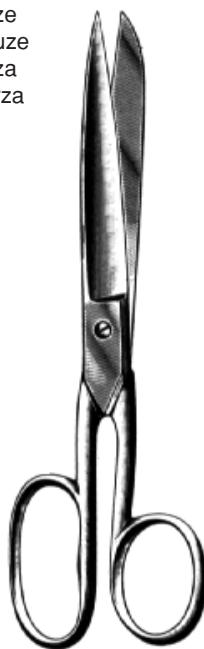
UNIVERSAL
09831-12 12 cm, 4 3/4"
09835-12 TC 12 cm, 4 3/4"



MARTIN
09841-20 20 cm, 8"

Verbandscheren
Bandage Scissors
Tijeras para vendajes
Forbici per bendaggi

Gaze
Gauze
Gaza
Garza



SMITH US ARMY
09898-20
20 cm, 8"



9 cm, 3 1/2"	LISTER 09901-09
11 cm, 4 3/8"	09901-11
14 cm, 5 1/2"	09901-14
18 cm, 7"	09901-18
20 cm, 8"	09901-20



LISTER
09906-18 18 cm, 7"
09906-20 20 cm, 8"



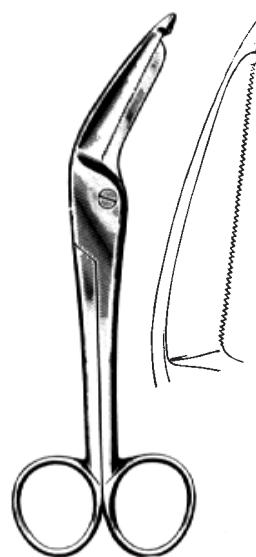
BERGMANN
09911-23
23 cm, 9"



ESMARCH
09913-20 20 cm, 8"
09913-22 22 cm, 8 3/4"



SEUTIN
09915-23
23 cm, 9"

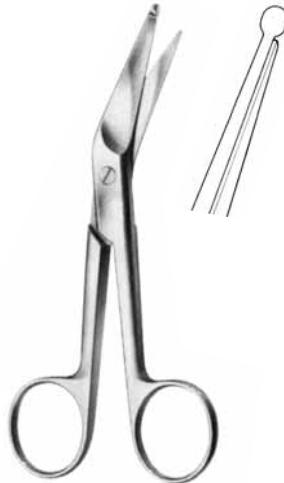


REDA EXCENTER
09921-16 16 cm, 6 1/4"
09921-19 19 cm, 7 1/2"
gezahnt
toothed
dentadas
dentellata

Verbandscheren
Bandage Scissors
Tijeras para vendajes
Forbici per bendaggi



KNOWLES
09930-14
14 cm, 5 1/2"



KNOWLES
09931-14
14 cm, 5 1/2"



LORENZ
09933-23
23 cm, 9"



BRUNS
09935-23 23 cm, 9" **09939-23 TC**
~~~~~ 09937-23 23 cm, 9"



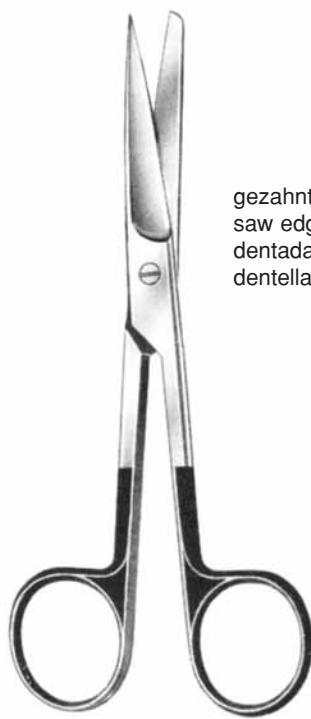
09941-20  
20 cm, 8"



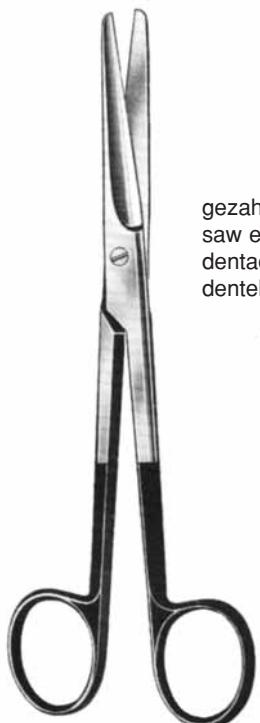
UNIVERSAL  
09950-15 15 cm, 6"  
09950-18 18 cm, 7"

in verschiedenen Farben  
in different colours  
en diferentes colores  
in differenti colori

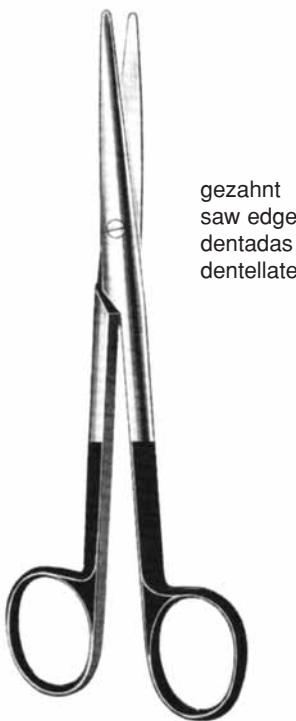
Supercut Scheren  
Supercut Scissors  
Tijeras Supercut  
Forbici Supercut



gezahnt  
saw edge  
dentadas  
dentellate



gezahnt  
saw edge  
dentadas  
dentellate



gezahnt  
saw edge  
dentadas  
dentellate

14,5 cm, 5 ¾"  
gerade gebogen  
straight curved  
rectas curvas  
rette curve  
09960-14 09961-14

MAYO  
gerade gebogen  
straight curved  
rectas curvas  
rette curve  
09962-14 14,5 cm 09963-14  
09962-17 17,0 cm 09963-17  
09962-23 23,0 cm 09963-23

MAYO-STILLE  
gerade gebogen  
straight curved  
rectas curvas  
rette curve  
09964-15 15,0 cm 09965-15  
09964-17 17,0 cm 09965-17



gezahnt  
saw edge  
dentadas  
dentellate

BABY METZENBAUM  
11,5 cm, 4 ½"  
gerade gebogen  
straight curved  
rectas curvas  
rette curve  
09966-11 09967-11



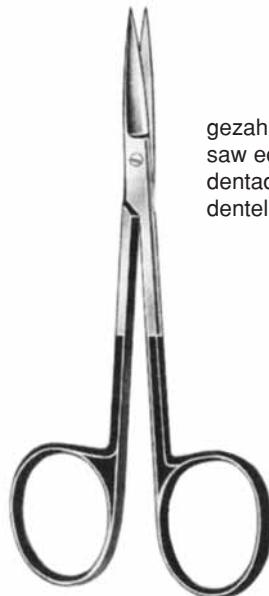
gezahnt  
saw edge  
dentadas  
dentellate

METZENBAUM  
gerade gebogen  
straight curved  
rectas curvas  
rette curve  
09970-14 14,5 cm 09971-14  
09970-18 18,0 cm 09971-18  
09970-20 20,0 cm 09971-20  
09970-23 23,0 cm 09971-23

Supercut Scheren  
Supercut Scissors  
Tijeras Supercut  
Forbici Supercut



**IRIS**  
11,5 cm, 4 1/2"  
gerade gebogen  
straight curved  
rectas curvas  
rette curve  
09980-11 09981-11



**WAGNER**  
12 cm, 4 3/4"  
gerade gebogen  
straight curved  
rectas curvas  
rette curve  
09982-12 09983-12



**STEVENS**  
11,5 cm, 4 1/2"  
gerade gebogen  
straight curved  
rectas curvas  
rette curve  
09984-11 09985-11



**LISTER**  
09990-14 14,5 cm, 5 3/4"  
09990-18 18,0 cm, 7"



**REYNOLDS**  
09993-15 15 cm, 6"



**KILNER/RAGNELL**  
09995-12 12 cm, 4 3/4"

Häkchen  
Hooks  
Ganchitos  
Uncini



19219-15  
15 cm, 6"



19220-01



19220-02



19220-03



19220-04



19221-01



19221-03



19221-04



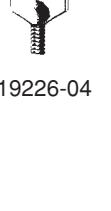
Reda, flexibel  
16 cm, 6 1/4"



19226-02



19226-03



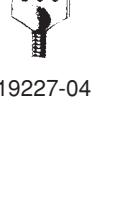
19226-04



19227-02



19227-03



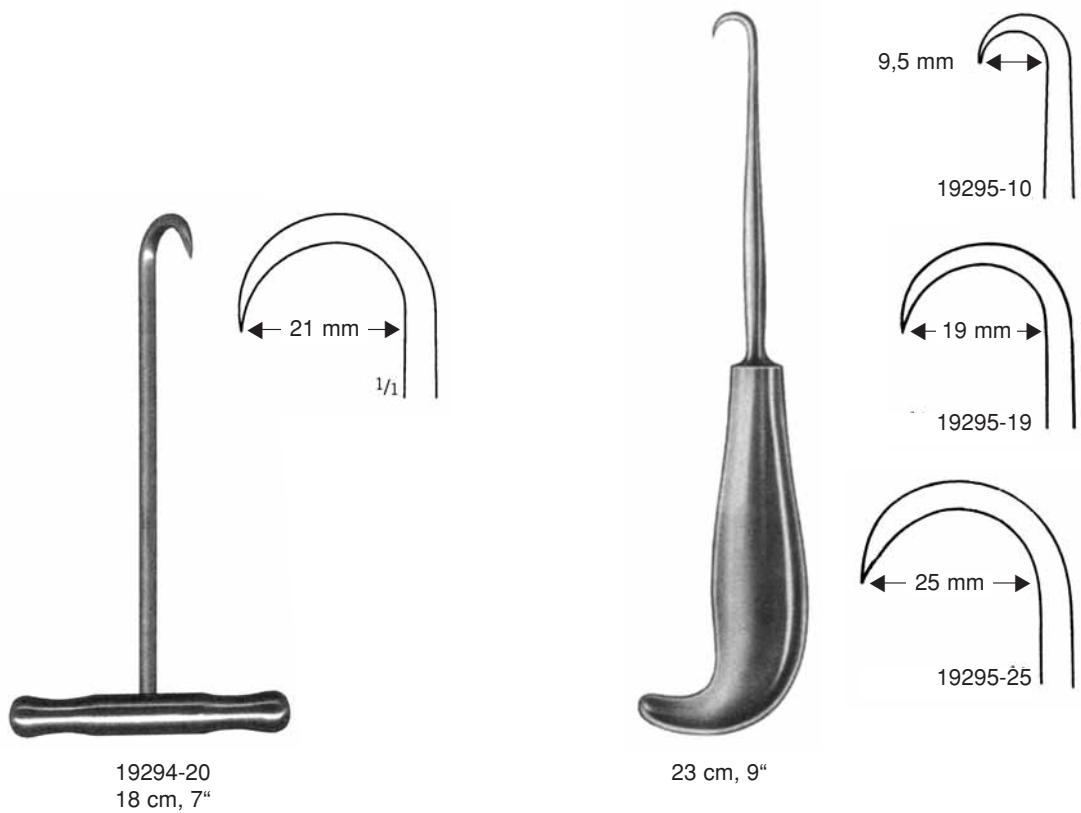
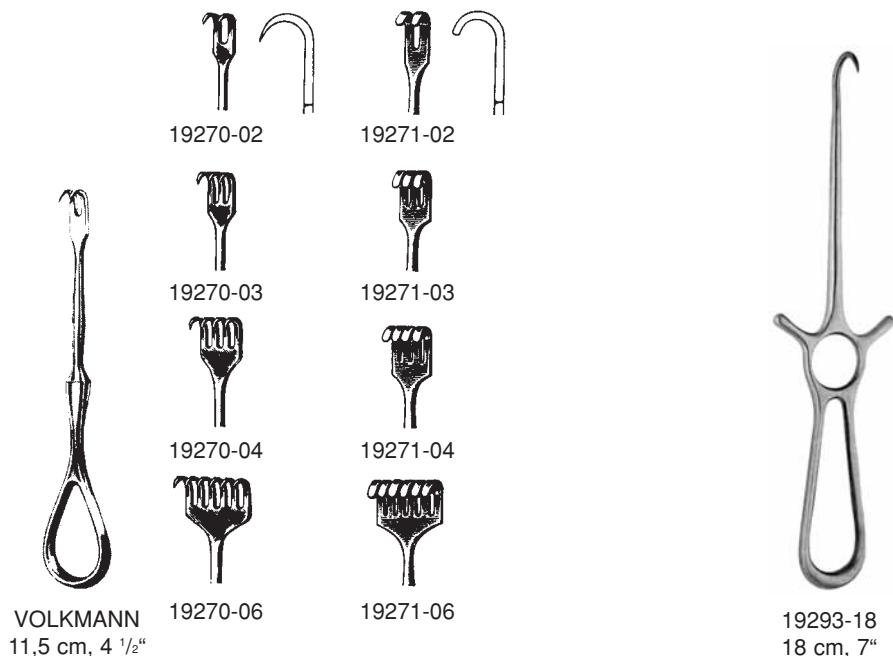
19227-04



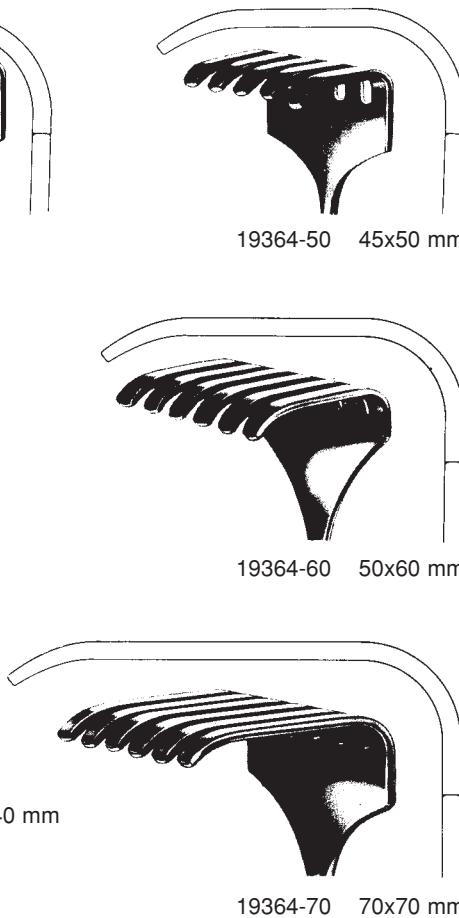
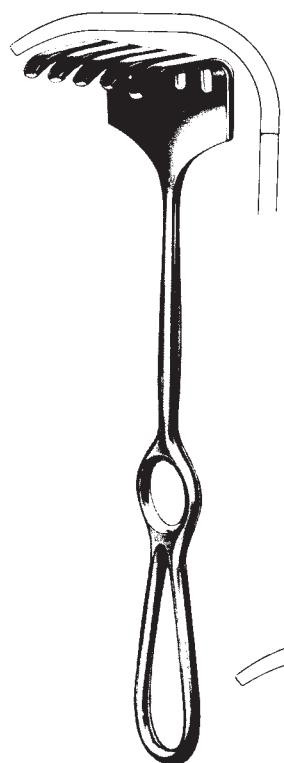
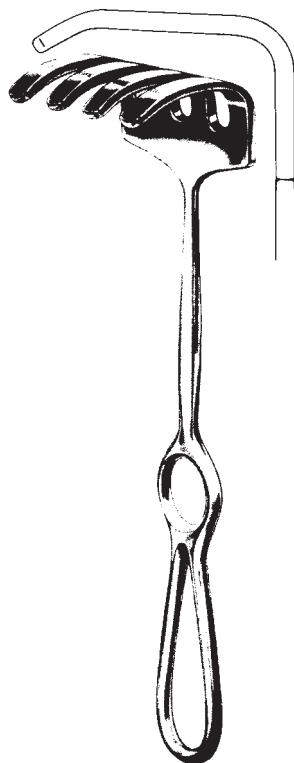
19229-03

KLAPP  
17,5 cm, 6.9"

Häkchen  
Hooks  
Ganchitos  
Uncini



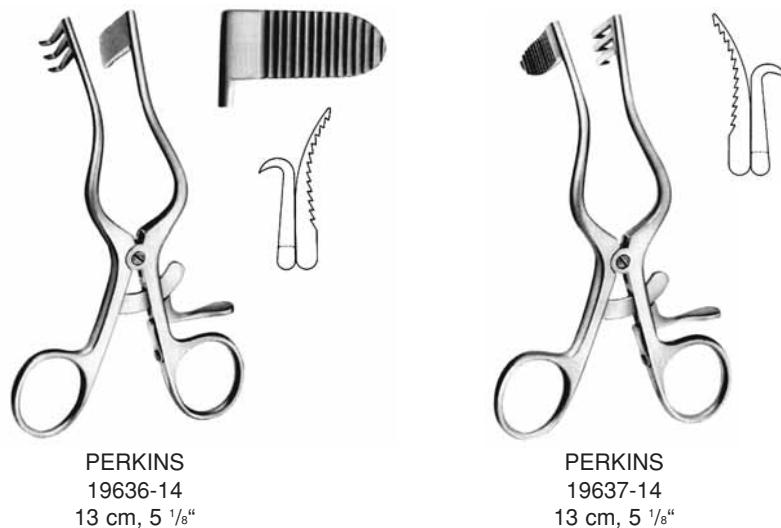
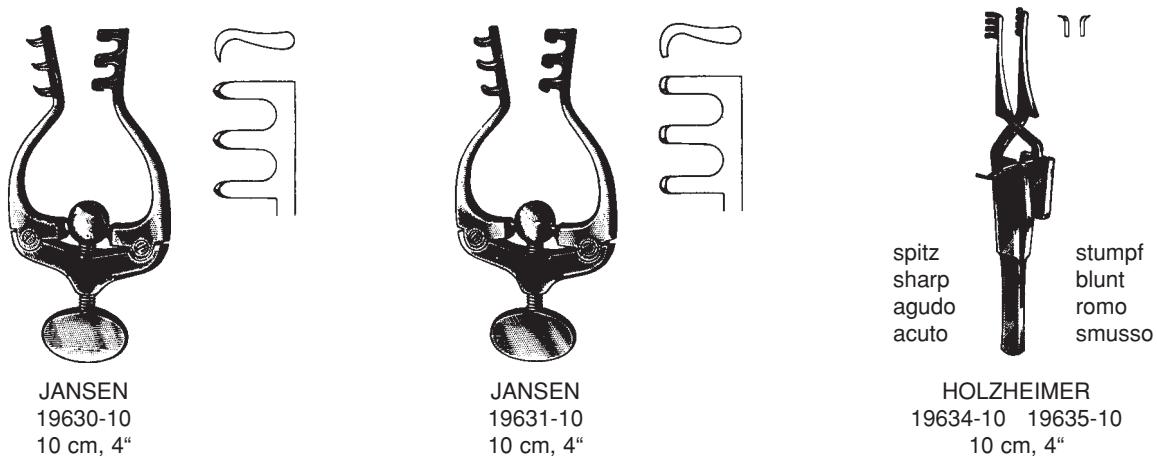
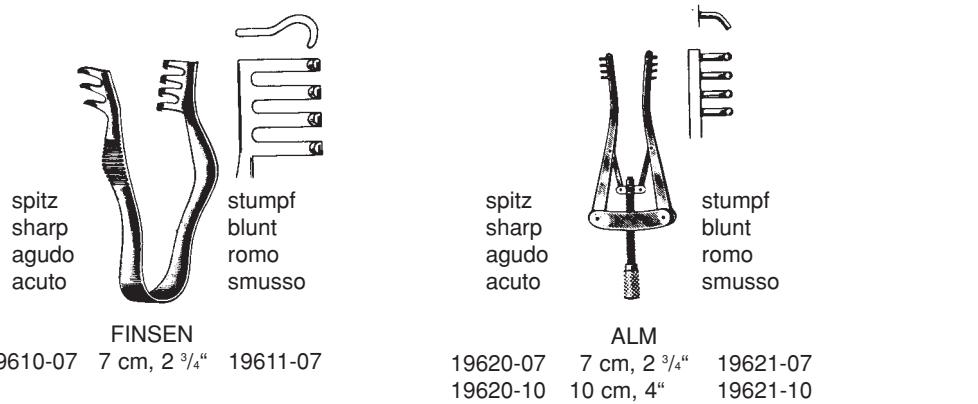
Wundhaken  
Retractors  
Separadores  
Divaricatori



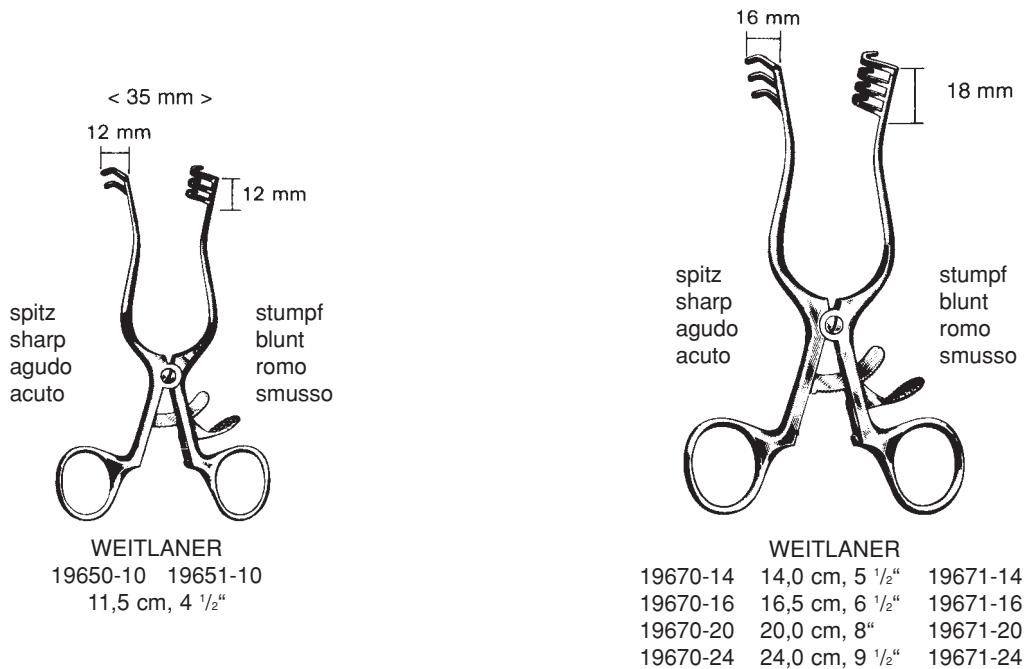
Wundhaken  
Retractors  
Separadores  
Divaricatori



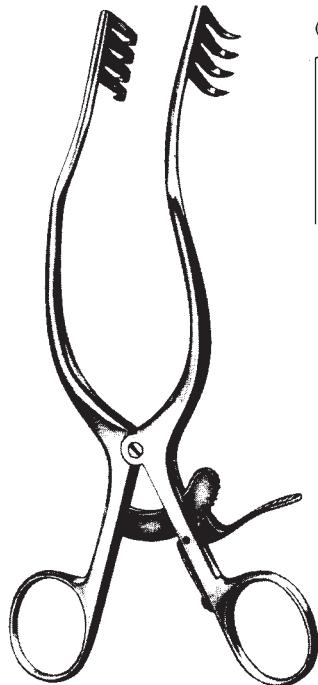
Wundsperrer  
Retractors  
Separadores  
Divaricatori



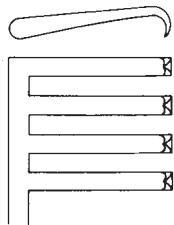
Wundsperrer  
Retractors  
Separadores  
Divaricatori



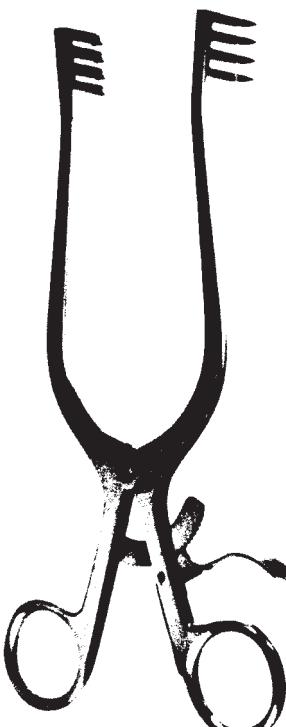
Wundsperrer  
Retractors  
Separadores  
Divaricatori



ANDERSON ADSON  
19679-20 19,5 cm, 7 3/4"



NORFOLK / NORWICH  
19679-22 22 cm, 8 3/4"



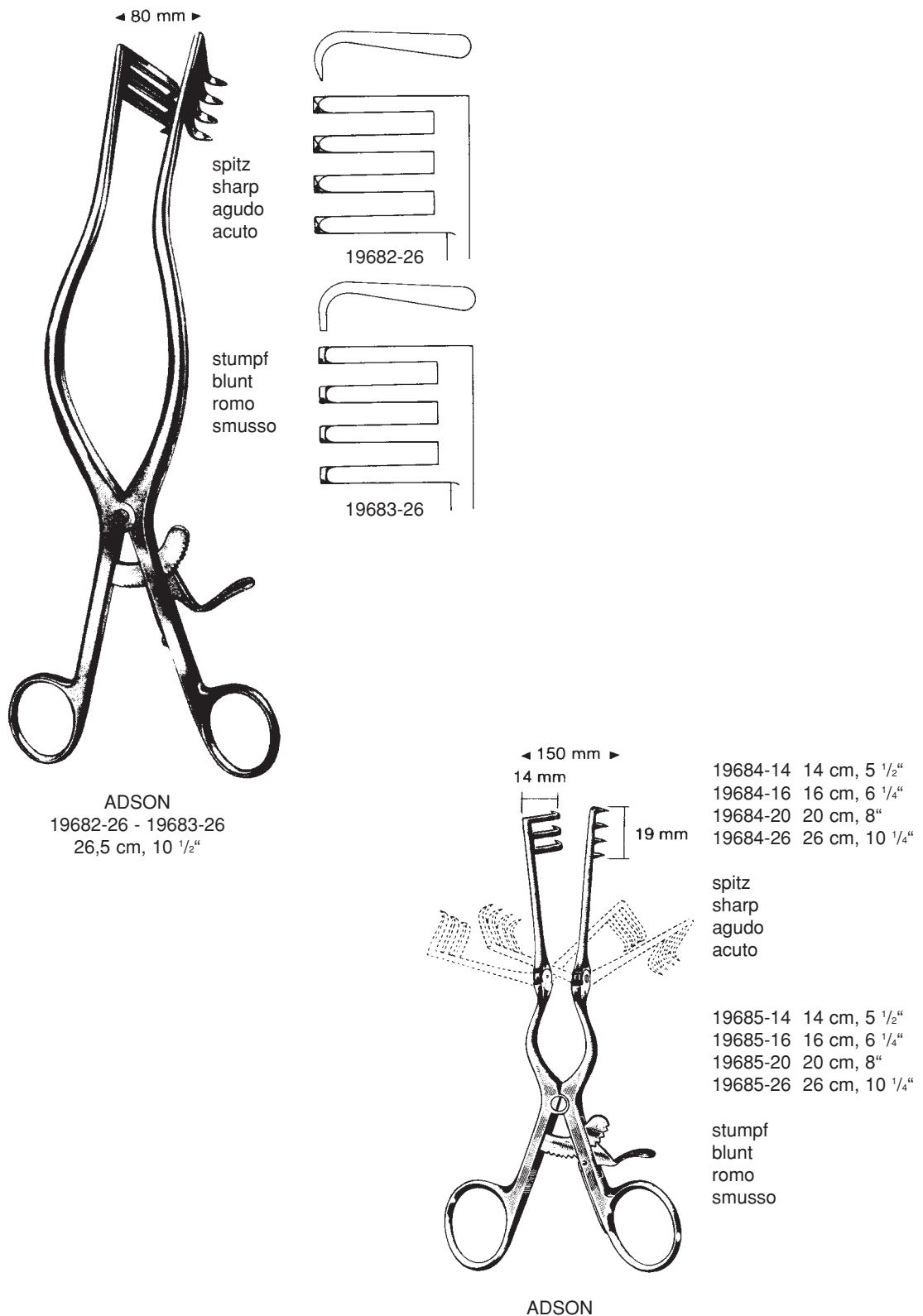
spitz  
sharp  
agudo  
acuto 19680-19 19 cm, 7 1/2" 19681-19

stumpf  
blunt  
romo  
smusso



TRAVERS  
19681-21 21,5 cm, 8 1/2"

Wundsperrer  
Retractors  
Separadores  
Divaricatori



Wundsperrer  
Retractors  
Separadores  
Divaricatori

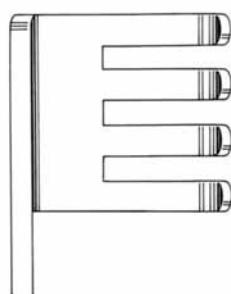


ADSON  
19686-32  
32 cm, 12  $\frac{3}{4}$ "

Wundsperrer  
Retractors  
Separadores  
Divaricatori

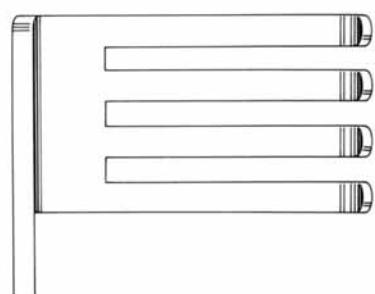


Beckman-Adson  
31 cm, 12 1/4"



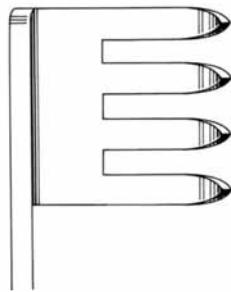
19687-01  
25 x 27 mm

stumpf  
blunt  
romo  
smusso



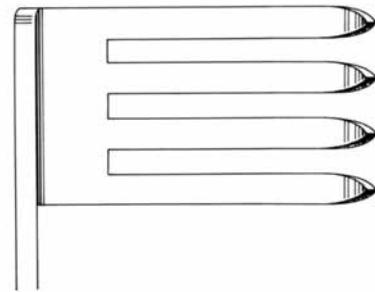
19688-01  
45 x 27 mm

stumpf  
blunt  
romo  
smusso



19687-02  
25 x 27 mm

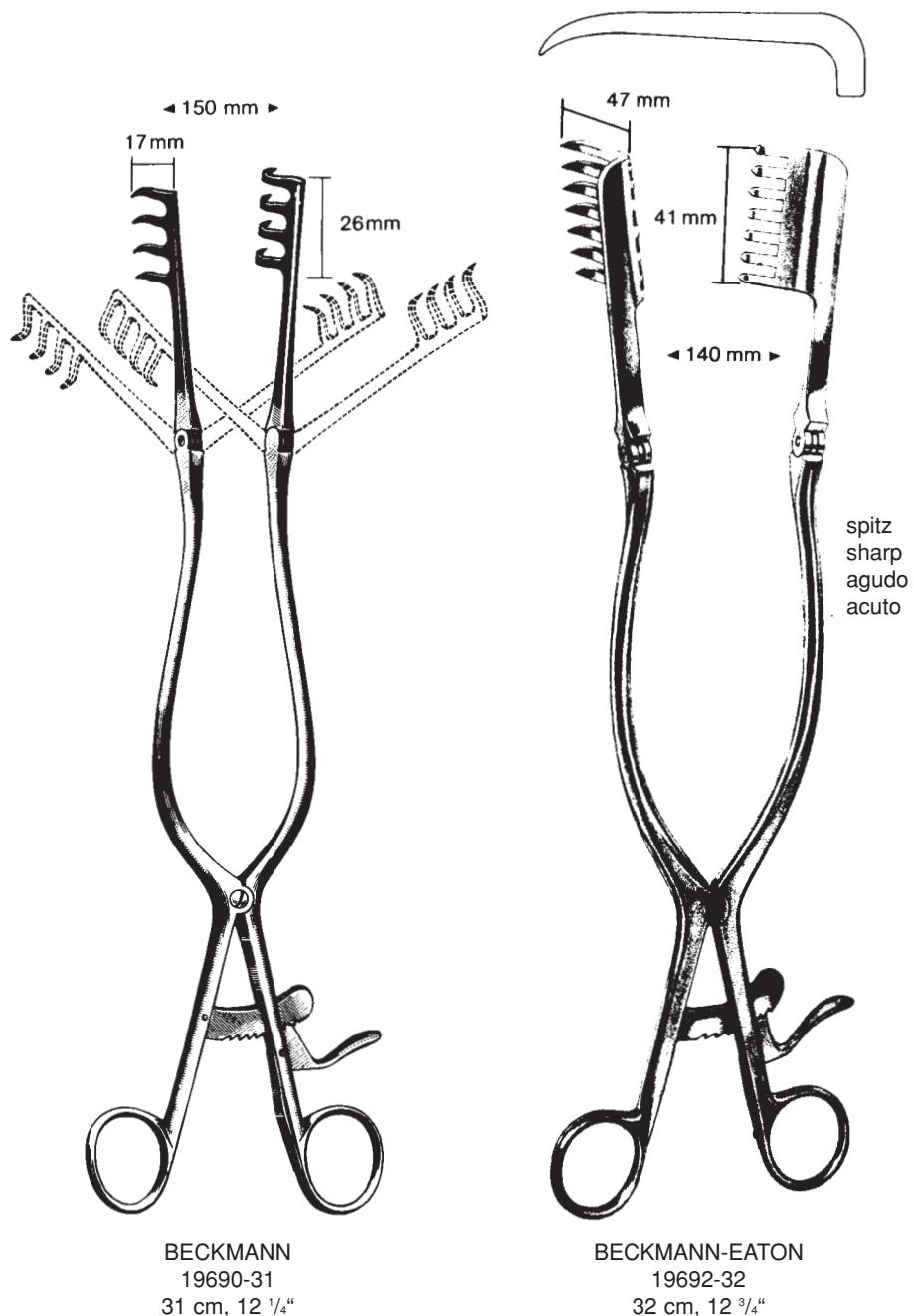
scharf  
sharp  
agudo  
acuto



19688-02  
45 x 27 mm

scharf  
sharp  
agudo  
acuto

Wundsperrer  
Retractors  
Separadores  
Divaricatori



Wundhaken  
Retractors  
Separadores  
Divaricatori

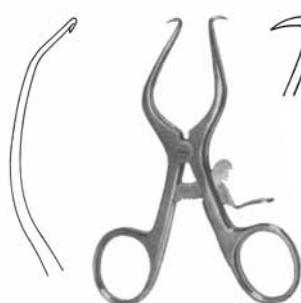
19694-01  
50 x 16 mm  
20 cm, 8"

19694-02  
75 x 25 mm  
23 cm, 9"

19694-03  
90 x 50 mm  
24 cm, 9 1/2"

MEYERDING

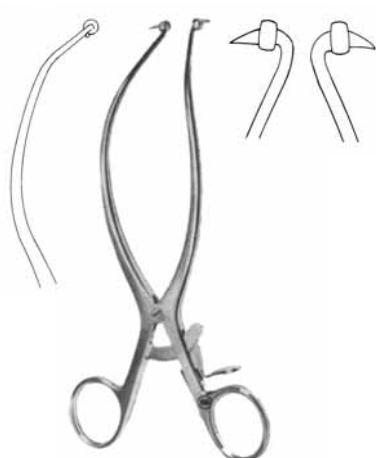
Wundsperrer  
Retractors  
Separadores  
Divaricatori



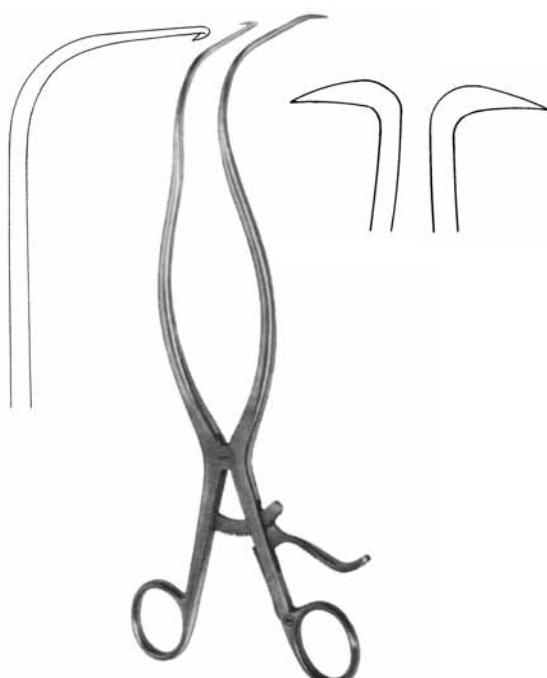
GELPI  
19802-09 9 cm, 3 1/2"  
19802-11 11 cm, 4 3/8"  
19802-14 14 cm, 5 1/2"  
19802-16 16 cm, 6 1/4"  
19802-18 18 cm, 7"



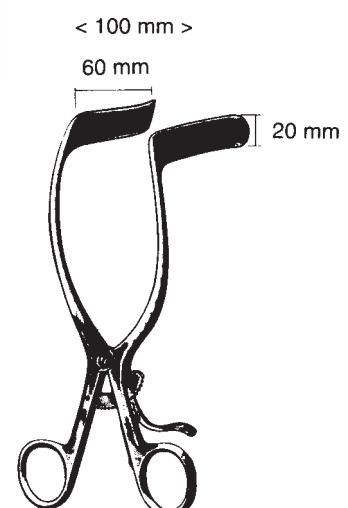
19803-16 16 cm, 6 1/4"



19804-18  
18 cm, 7"

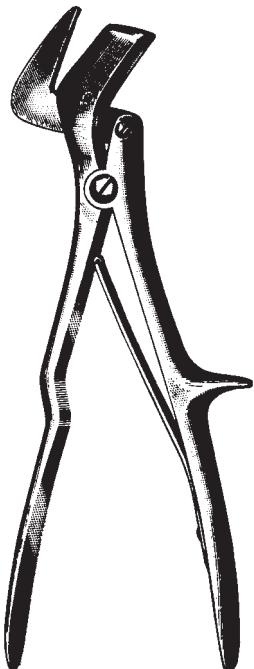


WILTSE-GELPI  
28 cm, 11"  
19805-28



RIGBY  
19806-18  
18 cm, 7"

Gipsscheren  
Plaster of Paris Shears  
Cizallas para vendajes enyesados  
Cesoie per gessi



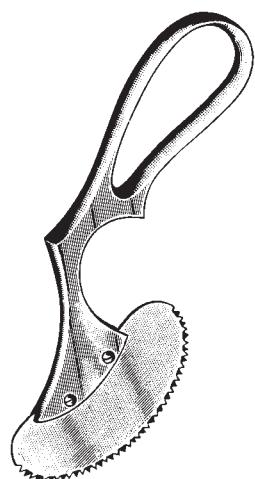
STILLE  
31101-24 24 cm, 9 1/2"



STILLE  
31103-23 23 cm, 9"  
31103-26 26 cm, 10 1/4"  
31103-37 37 cm, 14 1/2"



WIGMORE  
31120-19 19 cm, 7 1/2"



ENGEL  
31130-14

Oscillierende Gipssäge  
Oscillating Plaster Saw  
Sierra oscilante p. vendajes enyesados  
Sega oscillante per Gessi

Elektrische Gipssäge  
Electric Plaster Cast Cutter  
Sierra eléctrica para yesos  
Sega elettrica per gessi



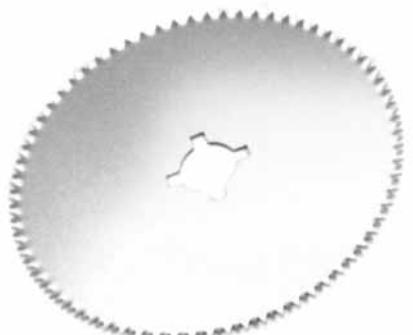
31210-21 110 Volt, compl. of Art.-Nr. 31212-02/31210-50/31210-65  
31210-22 230 Volt, compl. of Art.-Nr. 31212-02/31210-50/31210-65

Geräuschpegel min. 63 max. 69 DB  
Noise level machine only: Min. 63 Max. 69 db/(A)  
Nivel de ruido del aparato sólo 63 dB (mín.), 69 dB/(A)  
Livello acustico dello strumento solo: min. 63 max. 69 db/(A)

EN 60601-1, EN 60601-1-2, IEC 60601-1, IEC 60601-1-2



31212-02  
Schraubenschlüssel  
Spanners  
Llaves  
Paio di Chiavi per utilizzo cambio lame da sega



31210-50 50 mm (2.0") Ø hard/dura \*  
31210-65 65 mm (2.6") Ø hard/dura \*  
31211-50 50 mm (2.0") Ø hard/dura \*  
31211-65 65 mm (2.6") Ø hard/dura \*

- \* Ersatz-Sägeblätter, spezialgehärtet (F. Fiberglas u. andere Hartverbände)
- \* Spare saw blades, special hardness (for dressing of fiber glass for other hard dressing)
- \* Hojas de repuesto, templadas especialmente (para vendajes de fibra de vidrio y otros vendajes duros)
- \* Lame per sega a tempera speciale per bendaggi (in fibro di vetro ed altri bendaggi duri)

Oscillierende Gipssäge mit Staubabsauger  
Oscillating Plaster Saw with plaster vacuum  
Sierra oscillante con aspiraciòn  
Sega oscillante per gesso con aspirazione

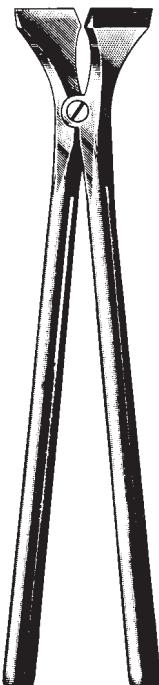


31250-00

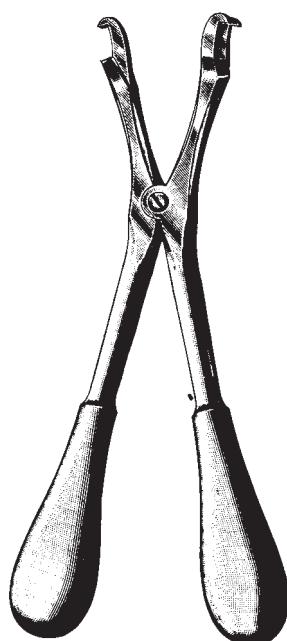
Gipsspreizer, Gipsabreißzangen  
Plaster Cast Instruments  
Instrumentos para vendajes enyesados  
Allargagessi, Strappagessi



HENNIG  
31350-28 28 cm, 11"



BEESON  
31360-30 30 cm, 11 3/4"



HAGLUND-STILLE  
31362-28 28 cm, 11"



REDA  
31366-23 23 cm, 9"

Gipsspreizer, Gipsmesser, Gipsabreißzangen  
Plaster Cast Instruments, Knives  
Instrumentos para vendajes enyesados, Cuchillios  
Allargagessi, Coltelli per Gessi, Strappagessi



HOPKINS  
31370-20  
20 cm, 8"



ESMARCH  
31380-18  
18 cm, 7"



REINER  
31390-18  
18 cm, 7"

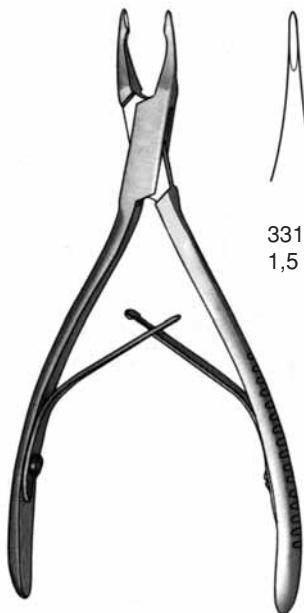


WOLFF  
31395-18  
18 cm, 7"



WOLFF  
31397-24  
24 cm, 9 1/2"

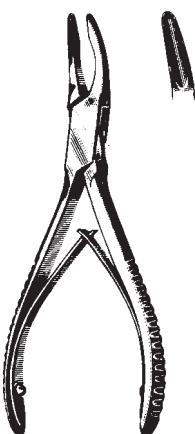
Hohlmeißelzangen  
Bone Rongeurs  
Pinzas-gubias  
Pinze sgorbie



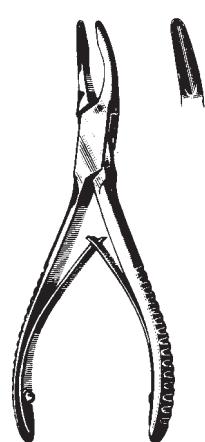
MICRO FRIEDMAN  
33100-02 14 cm, 5 1/2"



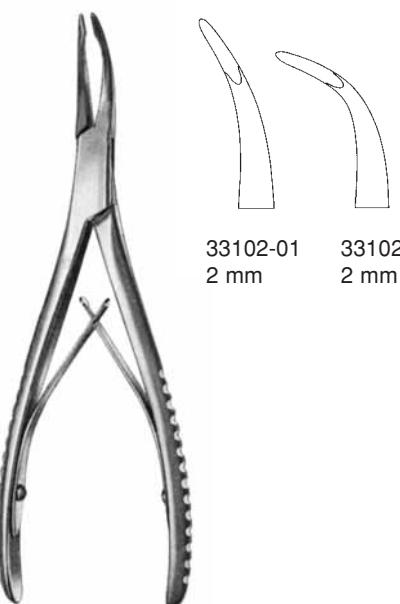
33100-02  
1,5 x 5 mm



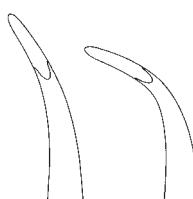
FRIEDMAN Mini  
33101-12 12 cm, 4 3/4"



FRIEDMAN  
33101-14 14 cm, 5 1/2"

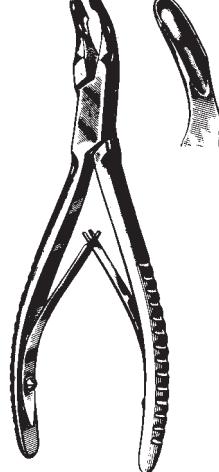


STELLBRINK  
33102-02 17 cm, 6 3/4"

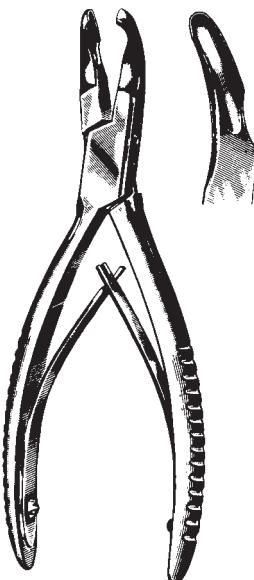


33102-01 33102-02  
2 mm 2 mm

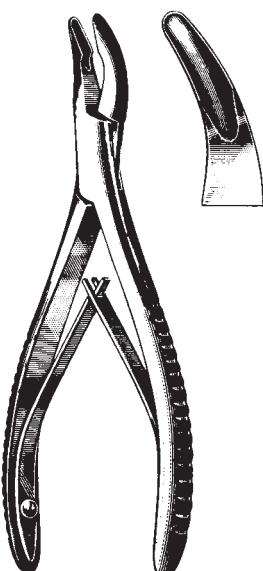
Hohlmeißelzangen  
Bone Rongeurs  
Pinzas-gubias  
Pinze sgorbie



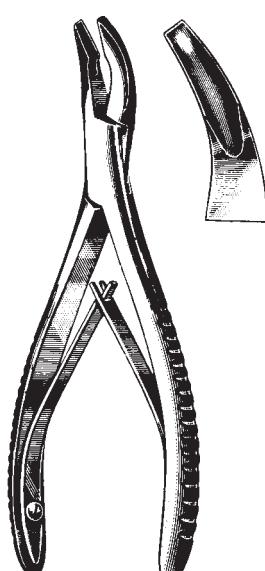
CLEVELAND  
33103-14 14 cm, 5 1/2"



CLEVELAND  
33105-17 17 cm, 6 3/4"

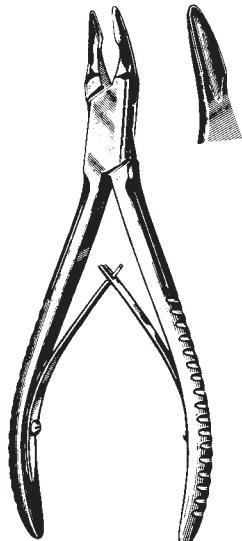


MEAD  
33107-16 16,5 cm, 6 1/2"

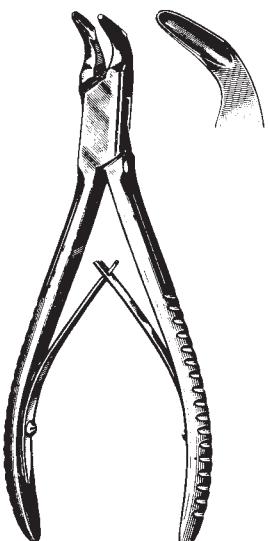


MEAD  
33109-16 16,5 cm, 6 1/2"

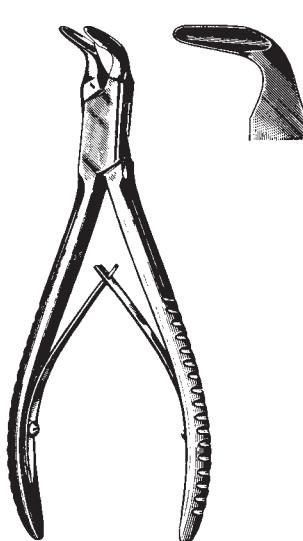
Hohlmeißelzangen  
Bone Rongeurs  
Pinzas-gubias  
Pinze sgorbie



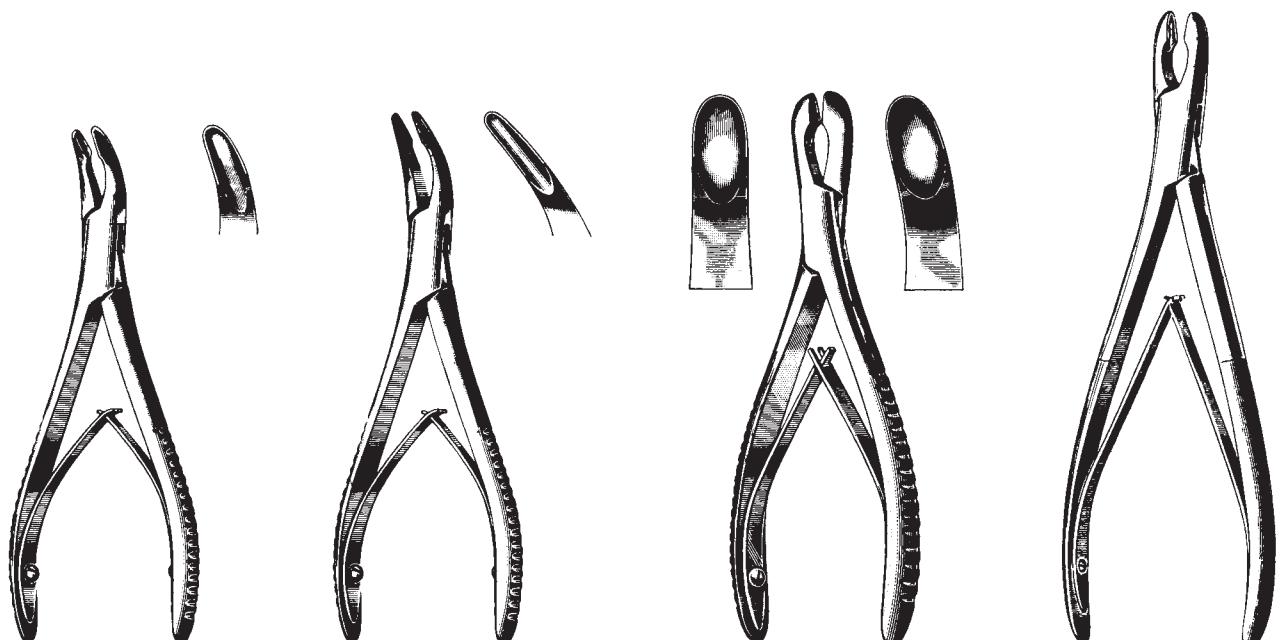
BLUMENTHAL  
33115-15  
15,5 cm, 6"



BLUMENTHAL  
33117-15  
15,5 cm, 6"



BLUMENTHAL  
33119-15  
15,5 cm, 6"



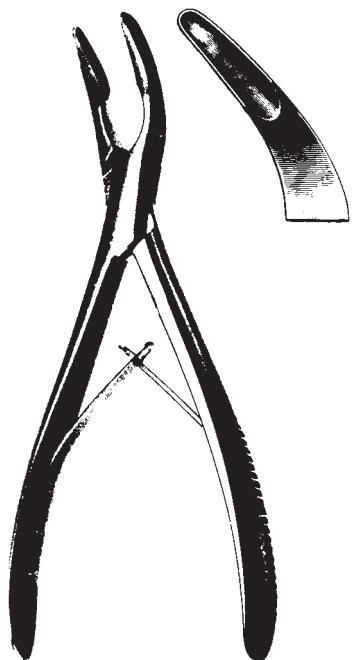
LUER  
33131-15  
15 cm, 5.9"

LUER  
33133-15  
15 cm, 5.9"

— LUER —  
33136-17    33137-17  
17 cm, 6 3/4"

— ADSON —  
33142-20    33143-20  
20 cm, 7.9"

Hohlmeißelzangen  
Bone Rongeurs  
Pinzas-gubias  
Pinze sgorbie



OLIVECRONA  
33147-20  
20 cm, 7.9"



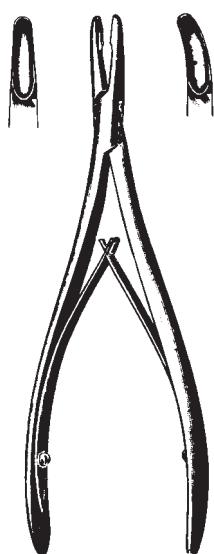
BANE-HARTMANN  
33148-18  
17,5 cm, 7"



LEMPERT  
33150-16      33151-16  
16 cm, 6 1/4"



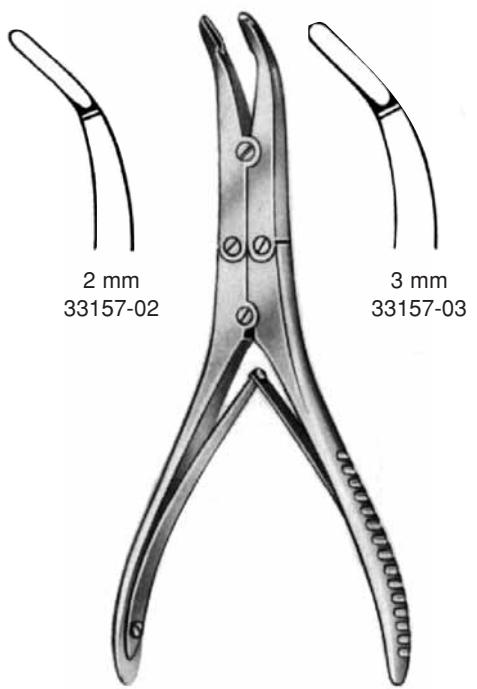
JANSEN  
17 cm, 6 3/4"



LEMPERT  
33154-18      33155-18  
18,5 cm, 7 1/4"

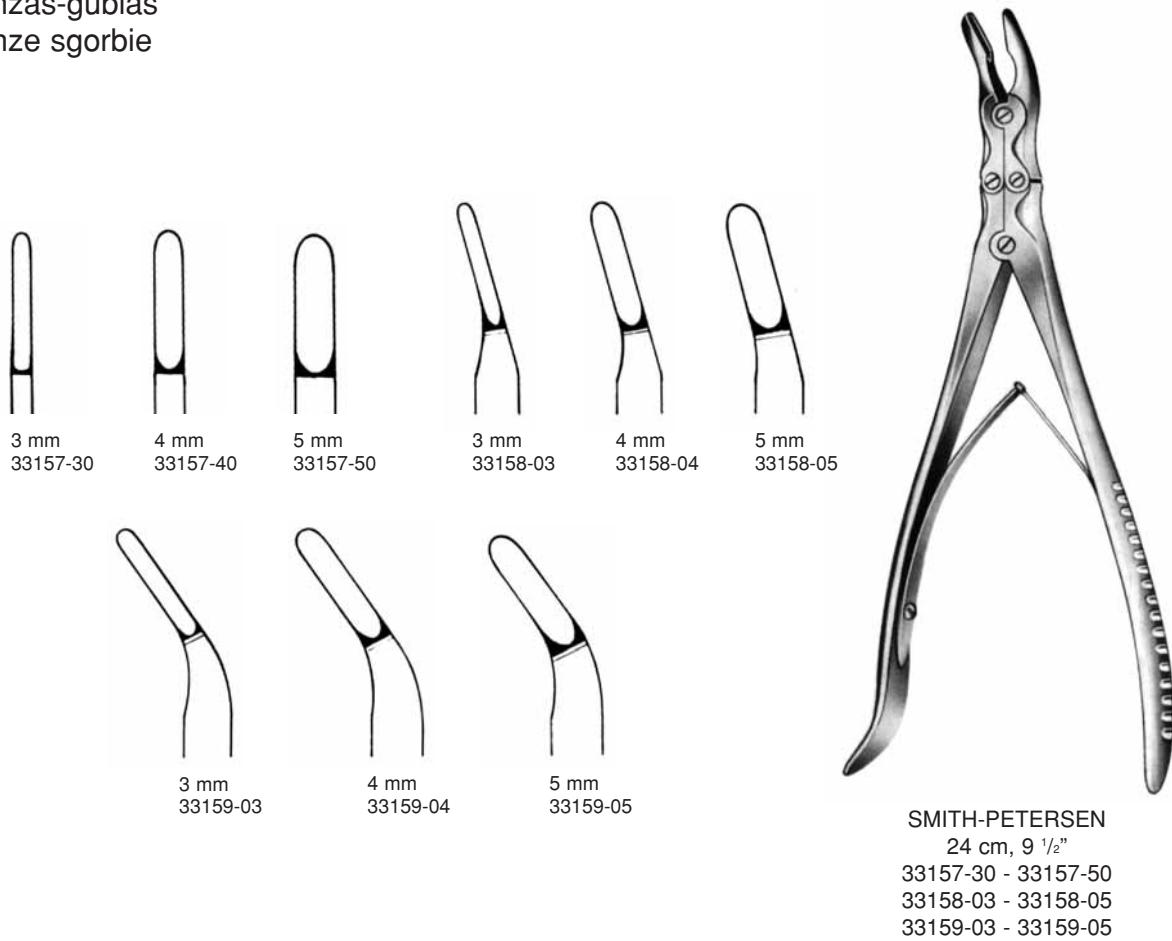


BEYER  
33156-18  
18 cm, 7"

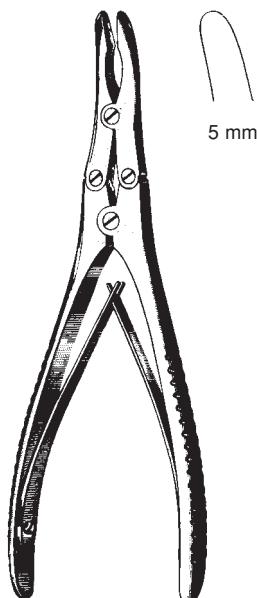


KLEINERT-KUTZ  
15 cm, 6"

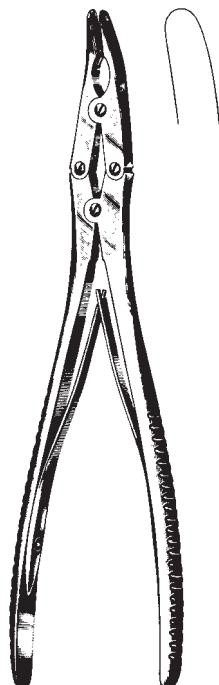
Hohlmeißelzangen  
Bone Rongeurs  
Pinzas-gubias  
Pinze sgorbie



Hohlmeißelzangen  
Bone Rongeurs  
Pinzas-gubias  
Pinze sgorbie



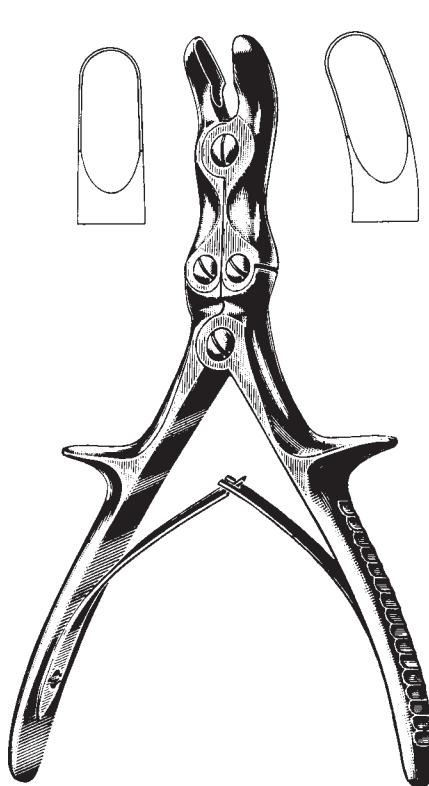
RUSKIN  
33216-18 33217-18  
18 cm, 7"



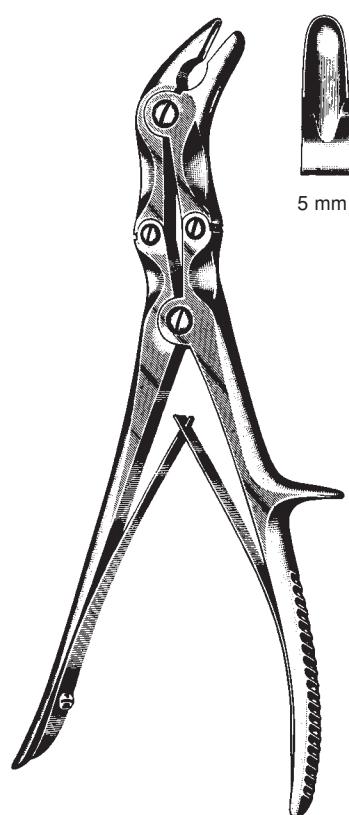
RUSKIN  
33219-23 23 cm, 9"



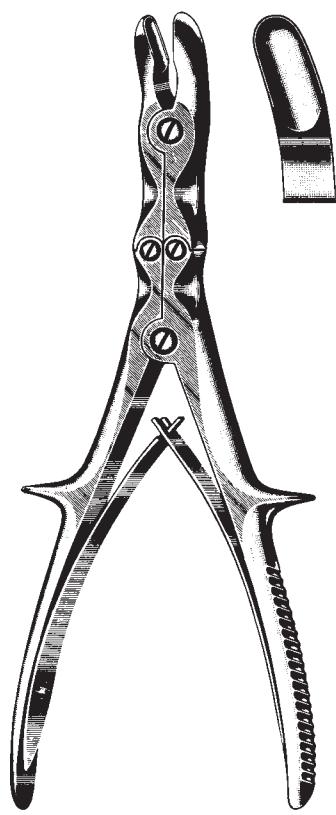
MARQUARDT  
33220-20 20 cm, 8"



STILLE-LUER  
33230-22 22 cm, 8 3/4" 33231-22  
33230-26 26 cm, 10 1/4" 33231-26

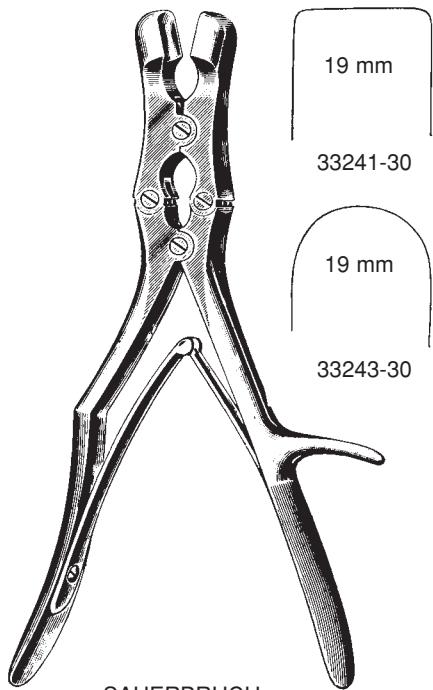


STILLE-LUER  
33235-23 23 cm, 9"

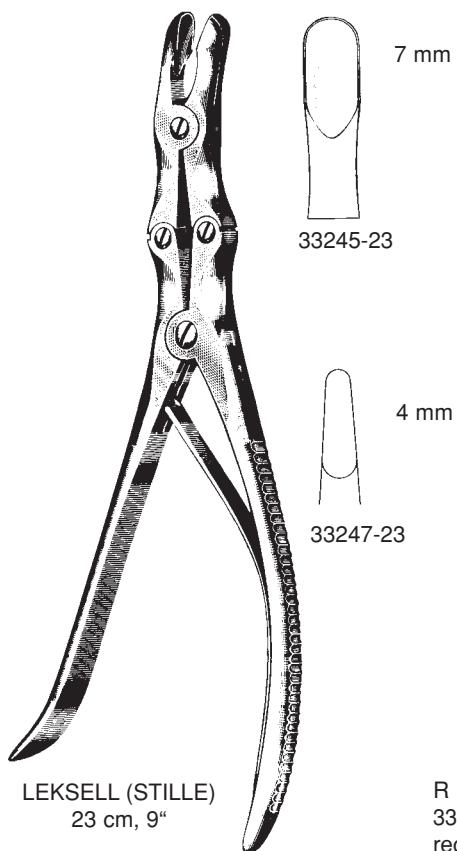


STILLE-RUSKIN  
33237-23 23 cm, 9"

Hohlmeißelzangen  
Bone Rongeurs  
Pinzas-gubias  
Pinze sgorbie



SAUERBRUCH  
30 cm, 10  $\frac{3}{4}$ "



LEKSELL (STILLE)  
23 cm, 9"

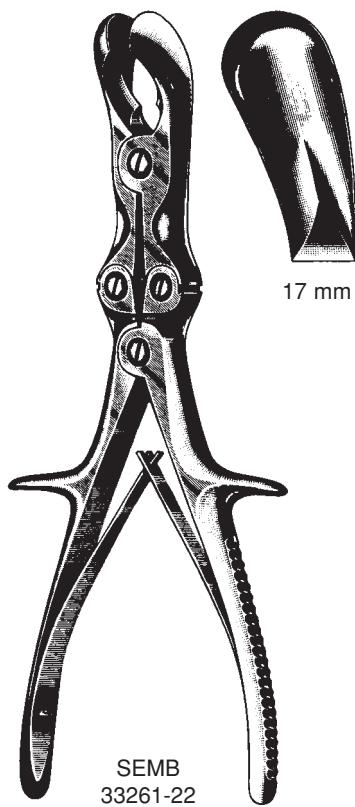
R 33251-26 SCAGLIETTI 26 cm, 10  $\frac{1}{4}$ " L 33253-26  
rechts links  
right left  
derecha izquierda  
a destra a sinistra



ECHLIN  
33257-23 2 mm  
33258-23 4 mm  
33259-23 3 mm  
23 cm, 9"

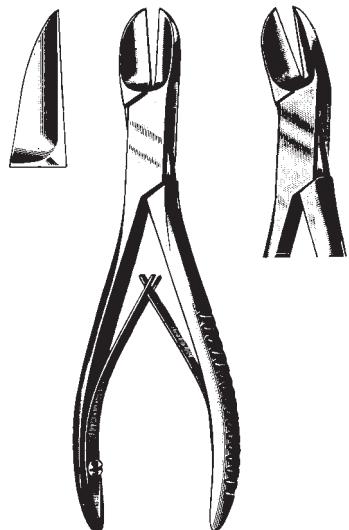


FRYKHOLM  
33260-24  
24 cm, 9  $\frac{1}{2}$ "



SEMB  
33261-22  
22,5 cm, 8.9"

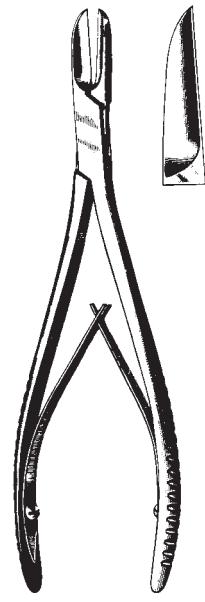
Knochensplitterzangen  
Bone Cutting Forceps  
Pinzas contantes para huesos  
Cesoie per ossa



— LISTON —  
33274-14 14 cm, 5 1/2" 33275-14  
33274-17 17 cm, 6 3/4" 33275-17  
33274-19 19 cm, 7 1/2" 33275-19  
33274-22 22 cm, 8 3/4" 33275-22



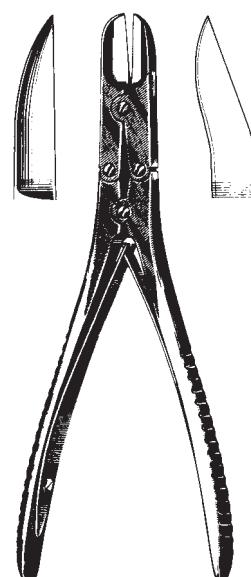
— BÖHLER —  
33280-15 33281-15  
15 cm, 6"



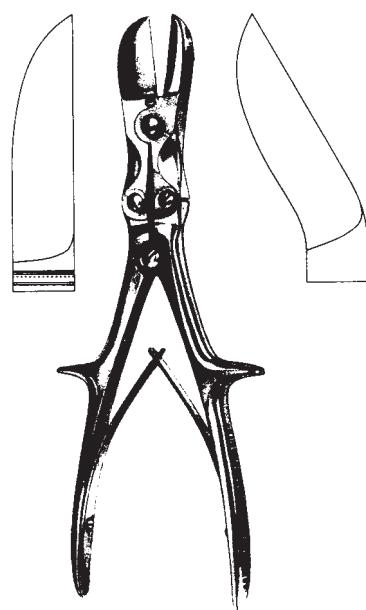
— COTTE-KAZANJIAN —  
33282-19  
19 cm, 7 1/2"



MC INDOE  
33283-17  
17 cm, 6 3/4"



— RUSKIN-LISTON —  
33286-18 33289-18  
18 cm, 7"

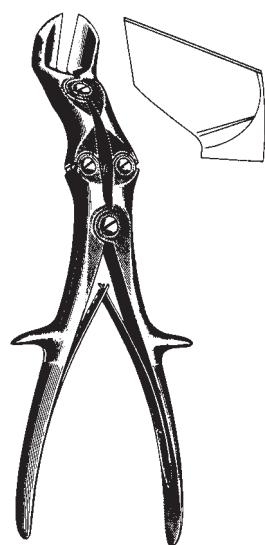


— STILLE-LISTON —  
33290-23 23 cm, 9" 33291-23  
33290-27 27 cm, 10 1/2" 33291-27

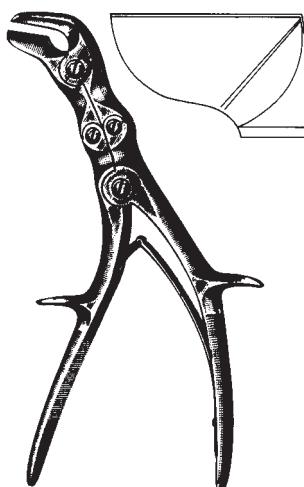
Knochensplitterzangen  
Bone Cutting Forceps  
Pinzas contantes para huesos  
Cesoie per ossa



STILLE-LISTON  
33292-26  
26 cm, 10 1/4"

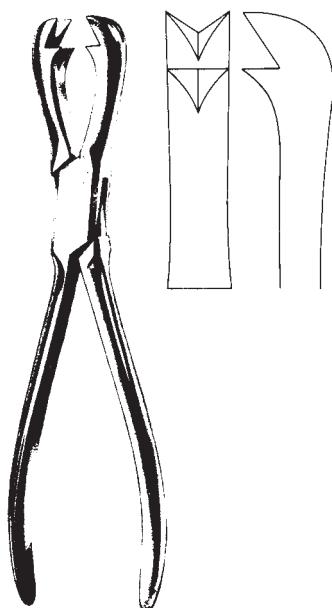


STILLE-HORSLEY  
33293-27  
27 cm, 10 1/2"

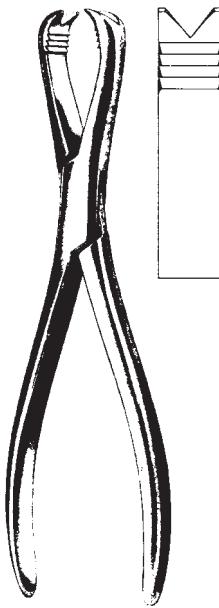


SEMB  
33295-24  
24 cm, 9 1/2"

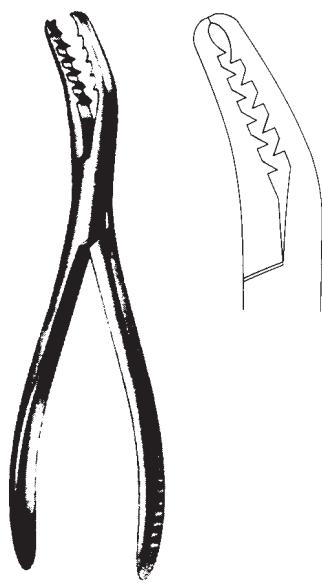
Knochenhaltezangen  
Bone Holding Forceps  
Pinzas para huesos  
Tenaglie per ossa



FERGUSSON  
33360-21  
21 cm, 8 1/4"



LANGENBECK  
33362-21  
21 cm, 8 1/4"



SEMB  
33365-19  
19 cm, 7 1/2"



SEMB  
33366-19  
19 cm, 7 1/2"

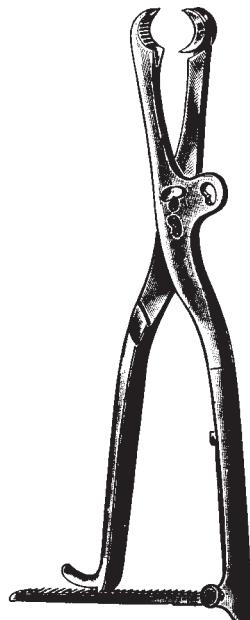


FARABEUF  
33366-23 23 cm, 9"  
33366-26 26 cm, 10 1/4"

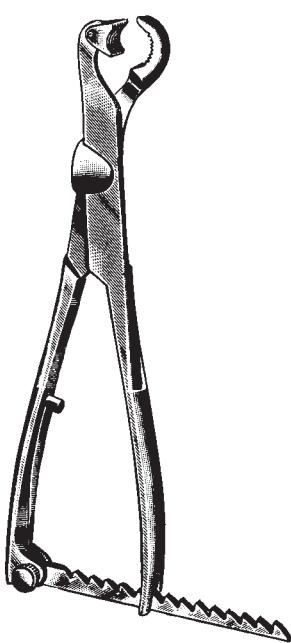


FARABEUF-LAMBOTTE  
33368-26  
26 cm, 10 1/4"

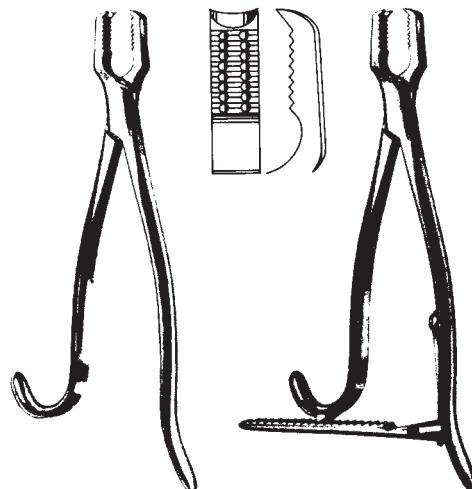
Knochenhaltezangen  
Bone Holding Forceps  
Pinzas para huesos  
Tenaglie per ossa



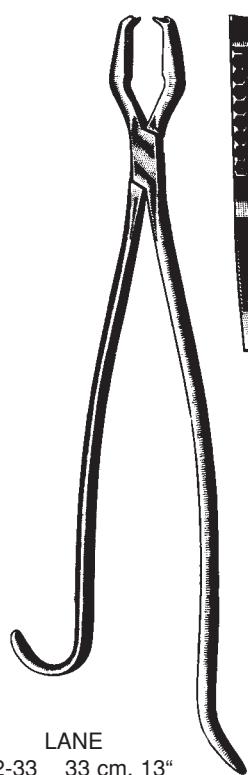
LAMBOTTE  
33370-22 22 cm, 8 3/4"  
33370-27 27 cm, 10 1/2"  
33370-30 30 cm, 11 3/4"



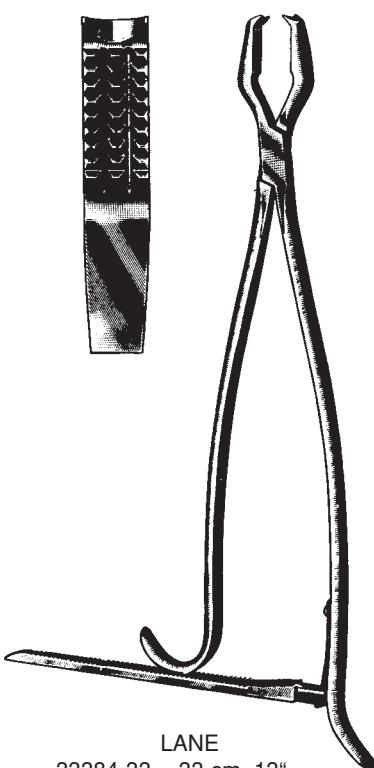
LAMBOTTE  
33372-22 22 cm, 8 3/4"  
33372-26 26 cm, 10 1/4"  
33372-33 33 cm, 13"



KERN  
33378-15 15 cm, 6"  
33378-17 17 cm, 6 3/4"  
33378-21 21 cm, 8 1/4"



LANE  
33382-33 33 cm, 13"  
33382-45 45 cm, 17 3/4"



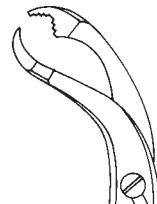
LANE  
33384-33 33 cm, 13"  
33384-45 45 cm, 17 3/4"

Knochenhaltezangen  
Bone Holding Forceps  
Pinzas para huesos  
Tenaglie per ossa

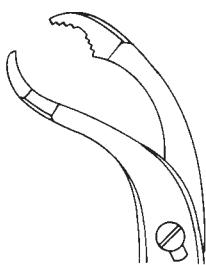
selbstzentrierend  
self-centering  
autocentrantes  
autocentranti



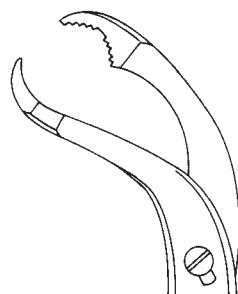
33391-15  
15 cm, 6"



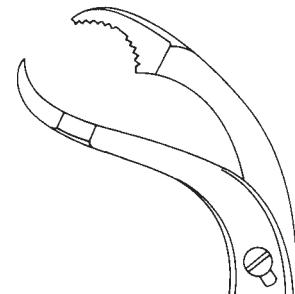
33391-19  
19 cm, 7 1/2"



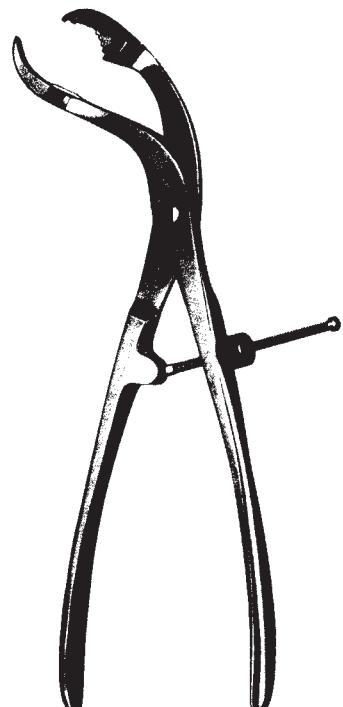
33391-24  
24 cm, 9 1/2"



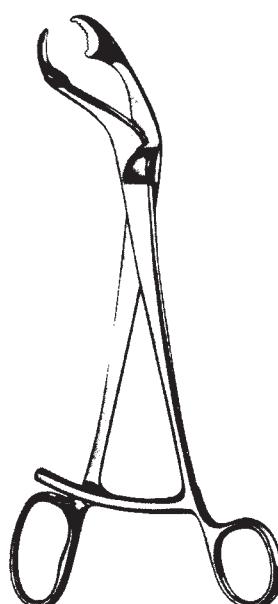
33391-26  
26 cm, 10 1/4"



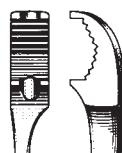
33391-28  
28 cm, 11"



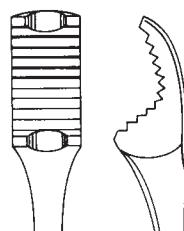
33391-15 - 33391-28



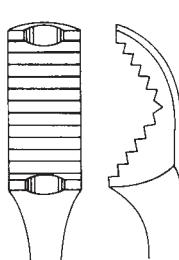
VERBRUGGE  
33395-17 - 33395-27



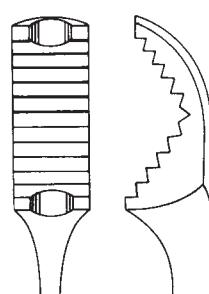
33395-17  
17,5 cm, 7"



33395-25  
25 cm, 10"

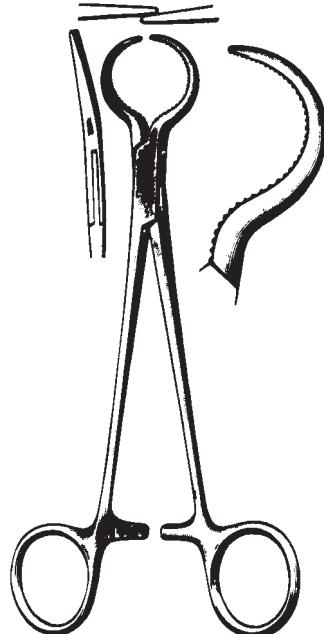


33395-26  
26 cm, 10 1/4"

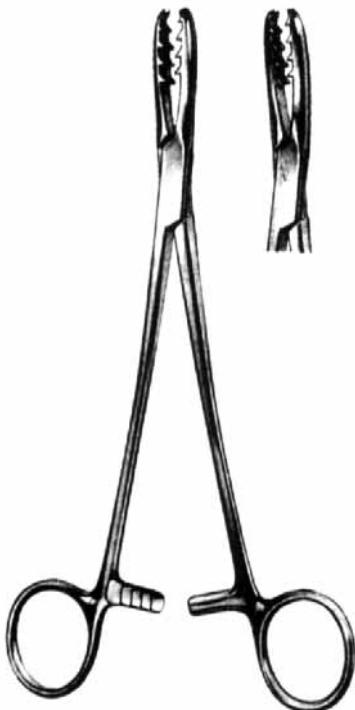


33395-27  
27 cm, 10 1/2"

Knochenhaltezangen  
Bone Holding Forceps  
Pinzas para huesos  
Tenaglie per ossa



LEWIN  
33402-17  
17,5 cm, 7"



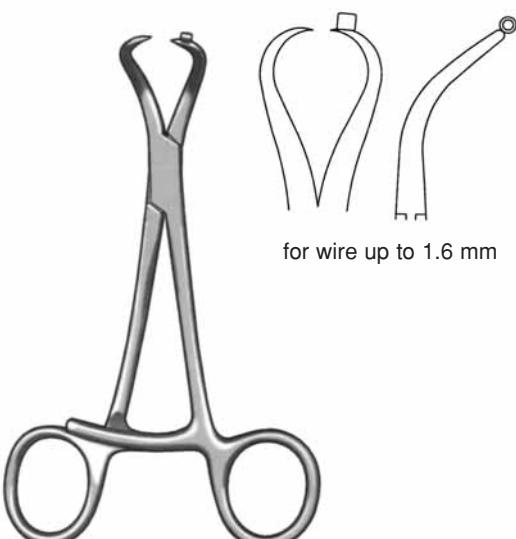
BIRCHER-GANSKE  
33404-20      33405-20  
20 cm, 8"



33406-20  
20 cm, 8"



DINGMANN  
33407-19  
19 cm, 7 1/2"

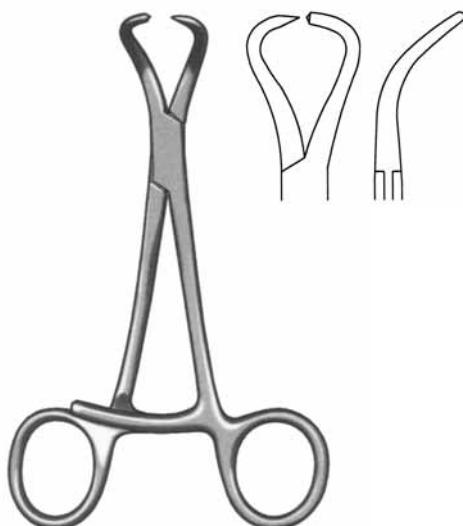


33407-13  
13 cm, 5 1/8"

Knochenhaltezangen  
Bone Holding Forceps  
Pinzas para huesos  
Tenaglie per ossa



33410-13  
13,5 cm, 5 1/4"



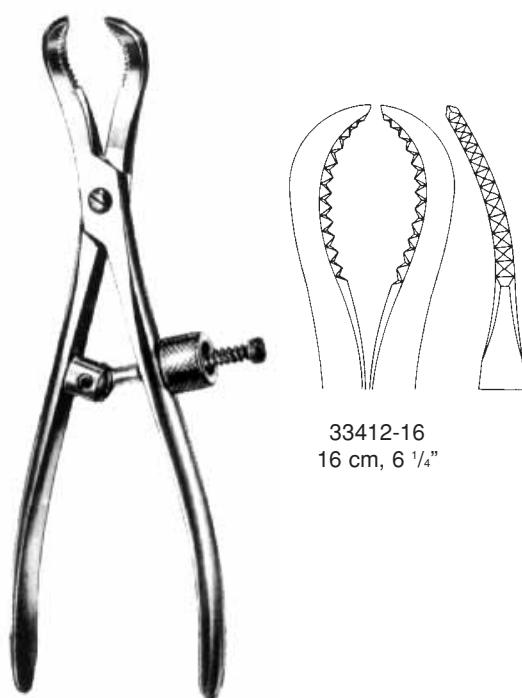
33408-13  
13 cm, 5 1/8"



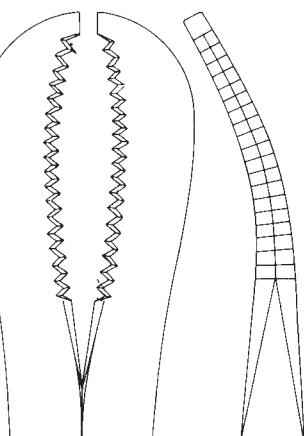
REDA  
33409-13  
13,5 cm, 5 1/4"



MARTIN  
33410-19  
19 cm, 7 1/2"

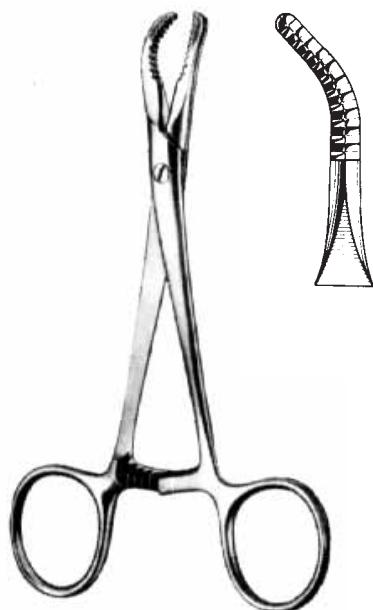


33412-16  
16 cm, 6 1/4"



33412-24  
24 cm, 9 1/2"

Knochenhaltezangen  
Bone Holding Forceps  
Pinzas para huesos  
Tenaglie per ossa



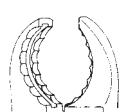
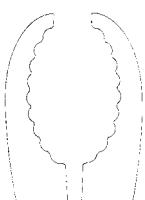
REDA  
33413-14  
13,5 cm, 5 1/4"



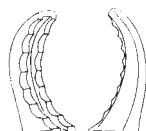
33414-21  
21 cm, 8 1/4"



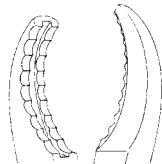
ULRICH  
33415-23 - 33415-28



33415-23  
23 cm, 9"

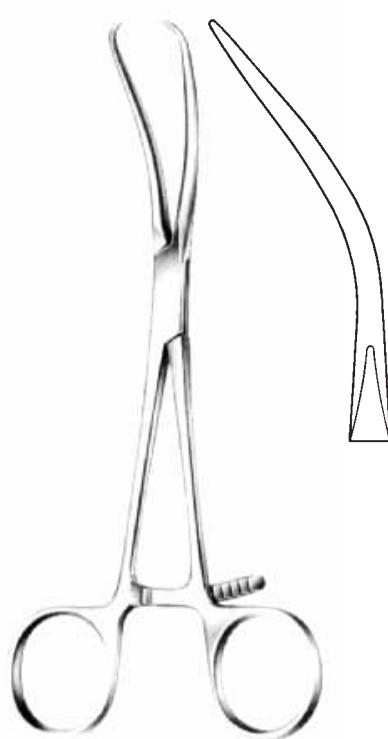


33415-25  
25 cm, 10"



33415-28  
28 cm, 11"

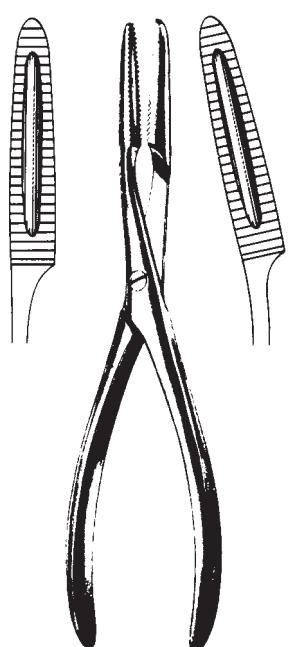
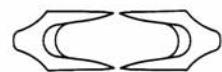
Knochenhaltezangen  
Bone Holding Forceps  
Pinzas para huesos  
Tenaglie per ossa



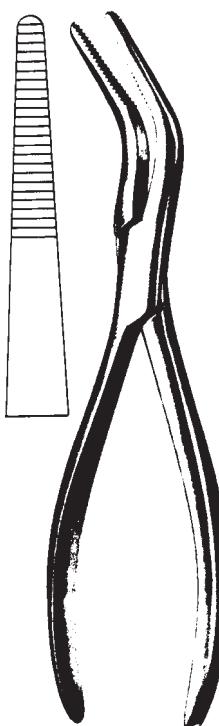
REILL  
33416-17  
17 cm, 6 3/4"



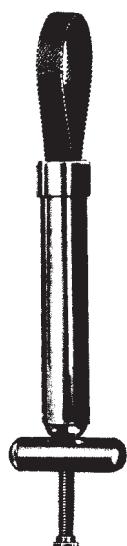
33417-18  
18,5 cm, 7 1/4"



33420-20      33421-20  
20 cm, 8"



VAN BUREN  
33423-23  
23 cm, 9"



FELDHEIM  
33424-10  
10 cm, 4"

Knochenhaltezangen, -Klammern  
Bone holding forceps, -Clamps  
Pinzas para huesos, Clamps porta-huesos  
Tenaglie per ossa, Pinze per ossa



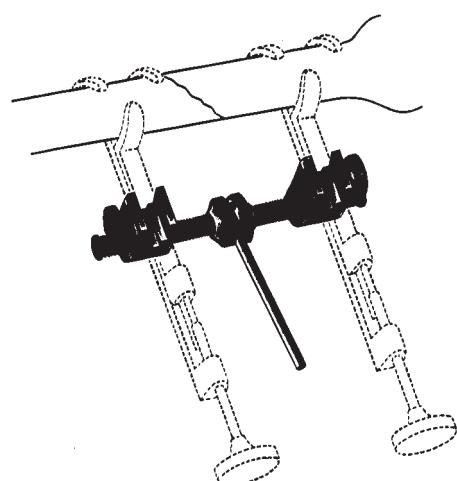
LOWMAN  
33441-13 13 cm, 5 1/8"  
33441-18 18 cm, 7"  
33441-20 20 cm, 8"



LOWMAN-HOGLUND  
33442-19  
19 cm, 7 1/2"



LAMBERT-LOWMAN  
33443-18  
18 cm, 7"



GERSTER  
33444-15

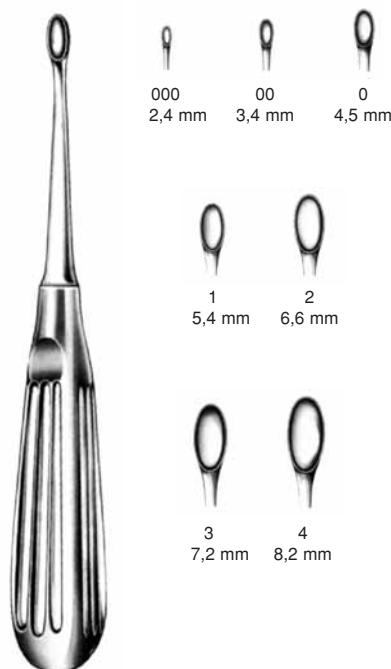
Knochenhaltezangen, Bleihand  
Bone holding forceps, Lead Hands  
Pinzas para huesos, Manoplas de plomo  
Tenaglie per ossa, Mani di piombo



33450-01  
Erwachsen  
adult size  
p. adultos  
p. adulti

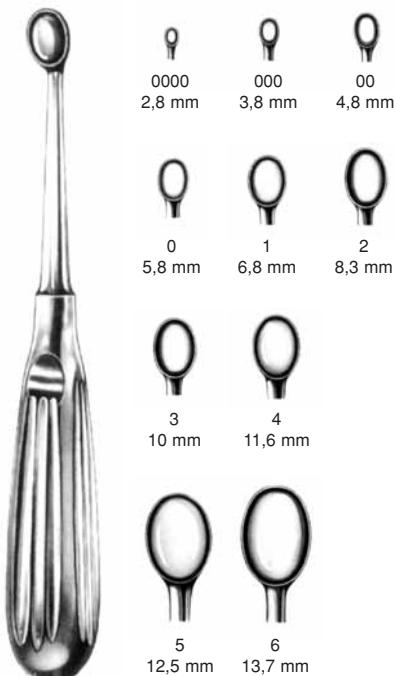
33450-02  
Kind  
child size  
p. niños  
p. bambini

Scharfe Löffel  
Bone Curettes  
Cucharillas cortantes  
Curette taglienti

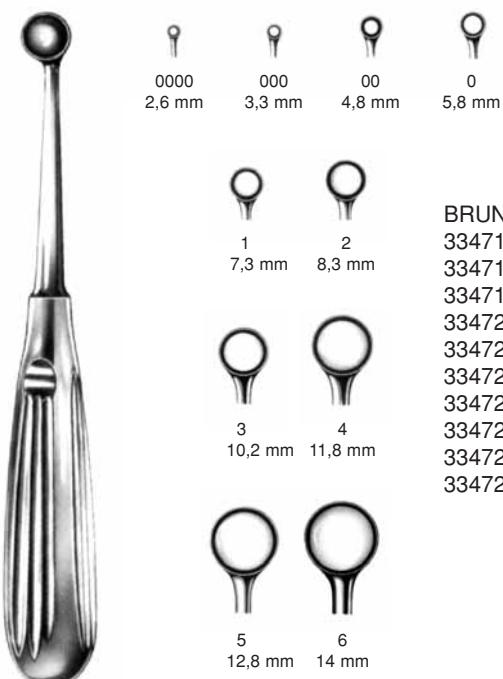


SCHEDE  
17 cm, 6  $\frac{3}{4}$ "  
33467-97 - 33468-04

| SCHEDE   | Fig. | VOLKMANN |
|----------|------|----------|
| 33467-97 | 000  | 33469-96 |
| 33467-98 | 00   | 33469-97 |
| 33468-00 | 0    | 33469-98 |
| 33468-01 | 1    | 33470-00 |
| 33468-02 | 2    | 33470-01 |
| 33468-03 | 3    | 33470-02 |
| 33468-04 | 4    | 33470-03 |
|          | 5    | 33470-04 |
|          | 6    | 33470-05 |
|          |      | 33470-06 |

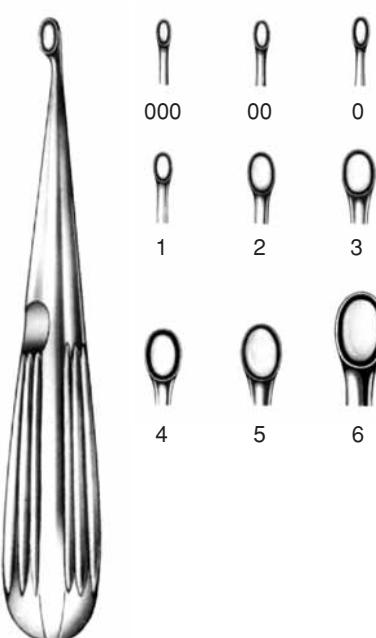


VOLKMANN  
17 cm, 6  $\frac{3}{4}$ "  
33469-96 - 33470-06



BRUNS  
17 cm, 6  $\frac{3}{4}$ "  
33471-96 - 33472-06

| BRUNS    | Fig. | SPRATT   |
|----------|------|----------|
| 33471-96 | 0000 | 33474-97 |
| 33471-97 | 000  | 33474-98 |
| 33471-98 | 00   | 33475-00 |
| 33472-00 | 0    | 33475-01 |
| 33472-01 | 1    | 33475-02 |
| 33472-02 | 2    | 33475-03 |
| 33472-03 | 3    | 33475-04 |
| 33472-04 | 4    | 33475-05 |
| 33472-05 | 5    | 33475-06 |
| 33472-06 | 6    |          |



SPRATT  
17 cm, 6  $\frac{3}{4}$ "  
33474-97 - 33475-06

Scharfe Löffel  
Bone Curettes  
Cucharillas cortantes  
Curette taglienti

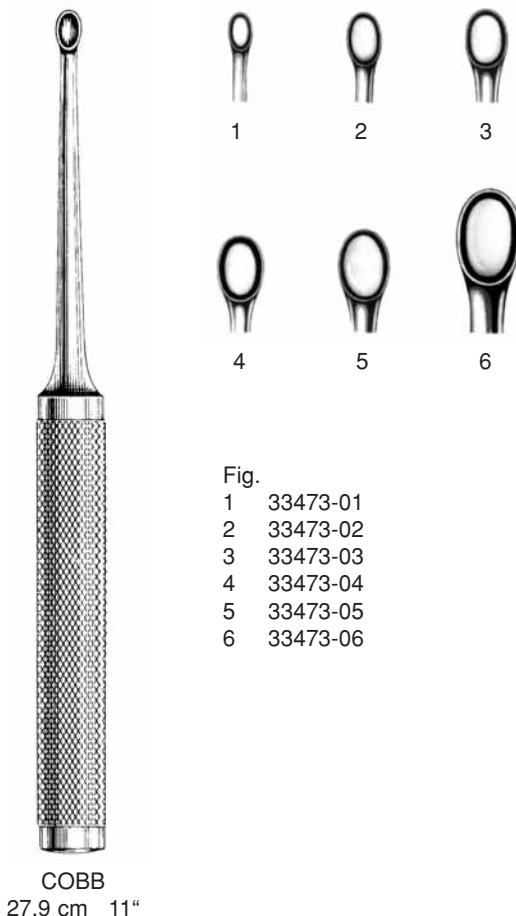
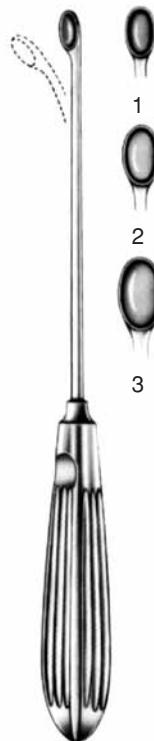


Fig.

- |   |          |
|---|----------|
| 1 | 33473-01 |
| 2 | 33473-02 |
| 3 | 33473-03 |
| 4 | 33473-04 |
| 5 | 33473-05 |
| 6 | 33473-06 |

Scharfe Löffel  
Bone Curettes  
Cucharillas cortantes  
Curette taglienti



HALLE  
21 cm, 8 1/4"  
33476-01 - 33476-02

Fig.  
1 33476-01 4,8 mm  
2 33476-02 5,8 mm  
3 33476-03 6,8 mm

bieg sam  
malleable  
maleable  
malleable

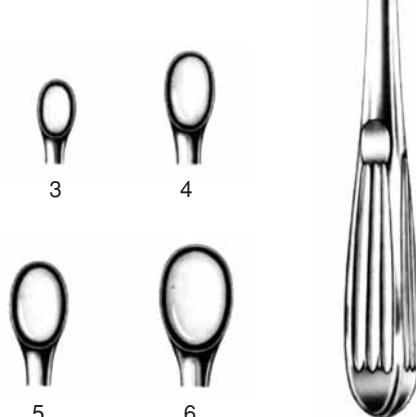


SPINAL  
20 cm, 8"  
33476-98 - 33477-06

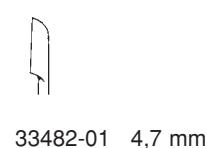
Fig.  
000 33476-98 2,8 mm  
00 33476-99 3,3 mm  
0 33477-00 3,7 mm  
1 33477-01 4,3 mm  
2 33477-02 4,8 mm  
3 33477-03 5,6 mm  
4 33477-04 6,1 mm  
5 33477-05 6,7 mm  
6 33477-06 8,8 mm



Fig.  
000 33478-98 2,8 mm  
00 33478-99 3,3 mm  
0 33479-00 3,7 mm  
1 33479-01 4,3 mm  
2 33479-02 4,8 mm  
3 33479-03 5,6 mm  
4 33479-04 6,1 mm  
5 33479-05 6,7 mm  
6 33479-06 8,8 mm



SPINAL  
20 cm, 8"  
33478-98 - 33479-06



33482-01 4,7 mm



33482-02 4,7 mm



33482-03 4,7 mm

SCOVILLE  
25 cm, 10"  
33482-01 - 33482-03

Scharfe Löffel  
Bone Curettes  
Cucharillas cortantes  
Curette taglienti

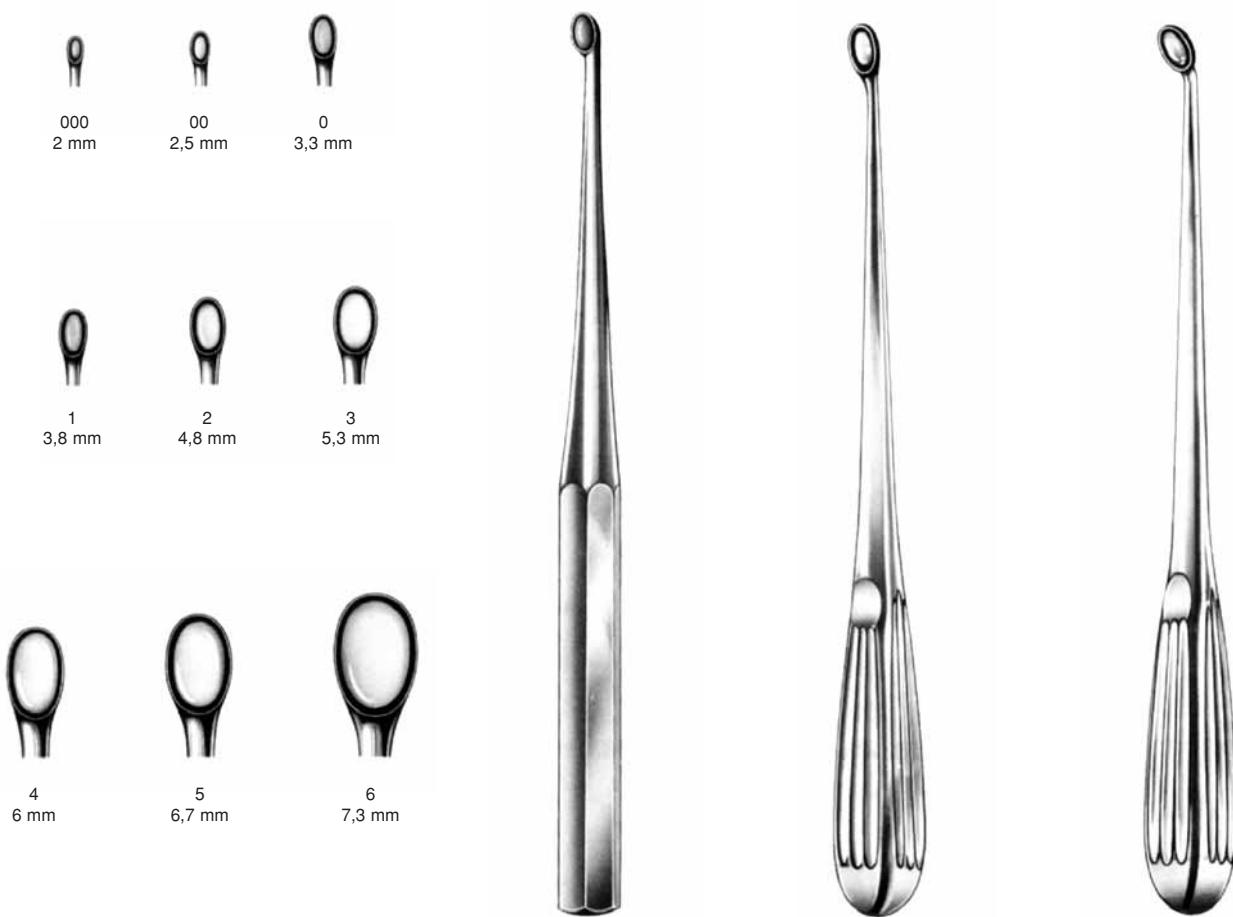


Fig.

|     |          |
|-----|----------|
| 000 | 33480-97 |
| 00  | 33480-98 |
| 0   | 33481-00 |
| 1   | 33481-01 |
| 2   | 33481-02 |
| 3   | 33481-03 |
| 4   | 33481-04 |
| 5   | 33481-05 |
| 6   | 33481-06 |

BRUNS  
23 cm, 9"

BRUNS  
23 cm, 9"

BRUNS  
23 cm, 9"

|          |        |          |        |
|----------|--------|----------|--------|
| 33482-97 | 2,8 mm | 33484-97 | 2,8 mm |
| 33482-98 | 3,3 mm | 33484-98 | 3,3 mm |
| 33483-00 | 3,7 mm | 33485-00 | 3,7 mm |
| 33483-01 | 4,3 mm | 33485-01 | 4,3 mm |
| 33483-02 | 4,8 mm | 33485-02 | 4,8 mm |
| 33483-03 | 5,6 mm | 33485-03 | 5,6 mm |
| 33483-04 | 6,1 mm | 33485-04 | 6,1 mm |
| 33483-05 | 6,7 mm | 33485-05 | 6,7 mm |
| 33483-06 | 8,8 mm | 33485-06 | 8,8 mm |

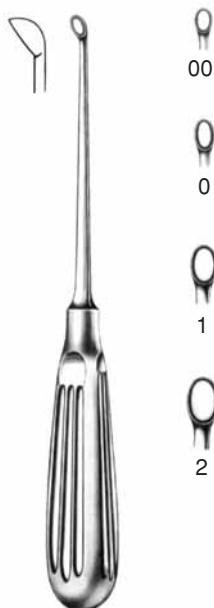
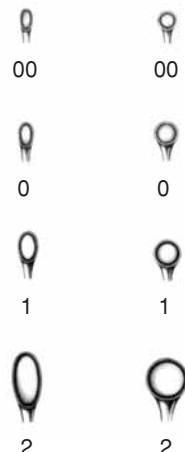
Scharfe Löffel  
Bone Curettes  
Cucharillas cortantes  
Curette taglienti



33485-21 21 cm, 8  $\frac{1}{4}$ "  
oval/rund  
ovale/ronde  
avalado/redondo  
ovale/rotonda



WILLIGER Fig. 00 33485-99 33486-99  
17,5 cm 0 33486-00 33487-00  
7" 1 33486-01 33487-01  
2 33486-02 33487-02



DAUBENSPECK Fig. 00 33487-99  
20 cm, 8"  
0 33488-00  
1 33488-01  
2 33488-02

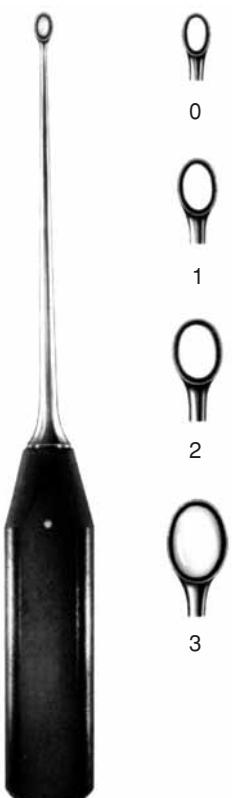


Fig. 0 33489-00  
27 cm 10  $\frac{1}{2}$ " Fig. 0 33489-00  
1 33489-01  
2 33489-02  
3 33489-03

Scharfe Löffel  
Bone Curettes  
Cucharillas cortantes  
Curette taglienti



33489-09  
Löffel Kürette, klein 9 mm  
28 cm, 11"

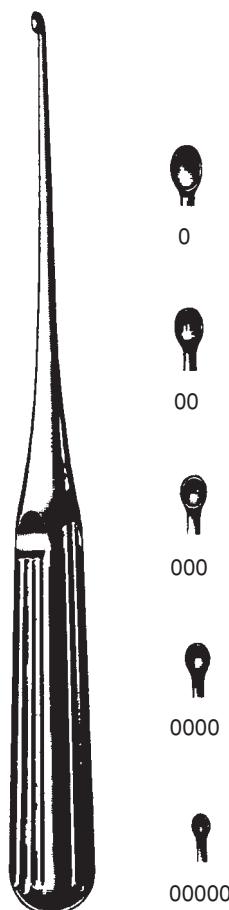


33489-15  
Löffel Kürette, mittel 15 mm  
28 cm, 11"



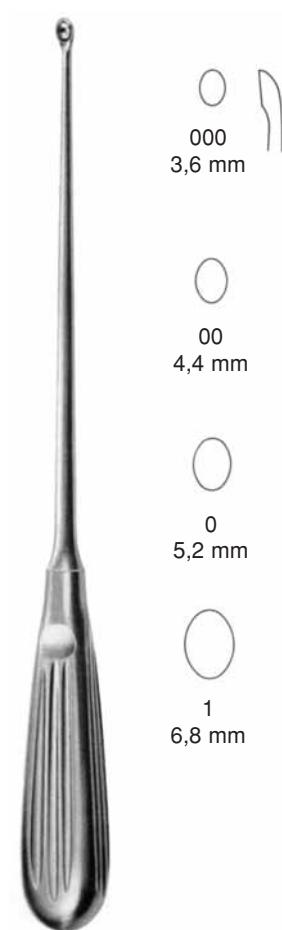
33489-27  
Löffel Kürette, groß 27 mm  
28 cm, 11"

Scharfe Löffel  
Bone Curettes  
Cucharillas cortantes  
Curette taglienti



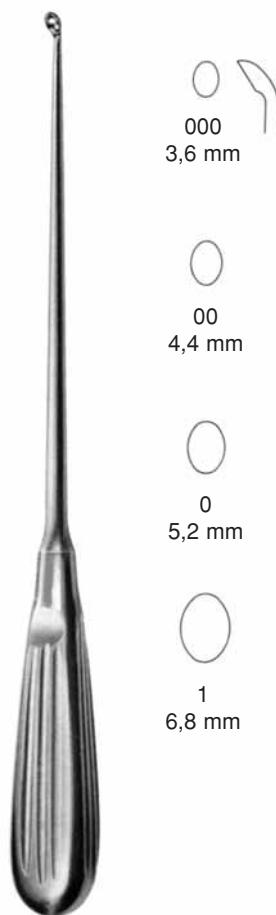
LEMPERT  
17,5 cm, 7"

Fig. 0      33490-10 3,3 mm  
00      33490-20 3,0 mm  
000      33490-30 2,7 mm  
0000      33490-40 2,4 mm  
00000      33490-50 2,0 mm

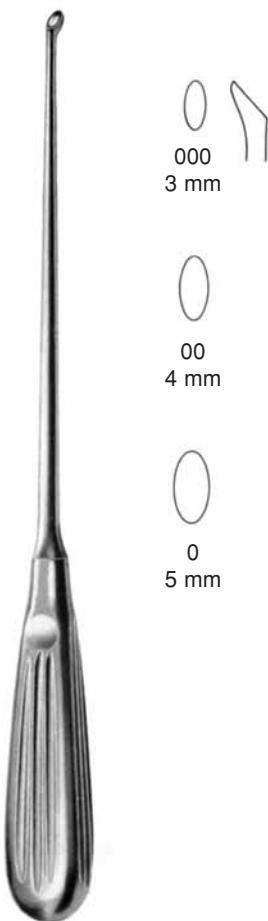


REDA  
25 cm, 10"

Scharfe Löffel  
Bone Curettes  
Cucharillas cortantes  
Curette taglienti



REDA  
25 cm, 10"



BUSHE  
25 cm, 10"

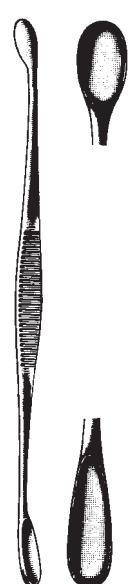
Fig. 000 33491-05  
00 33491-06  
0 33491-07  
1 33491-08

Fig. 000 33500-01  
00 33500-02  
0 33500-03

Scharfe Löffel  
Bone Curettes  
Cucharillas cortantes  
Curette taglienti



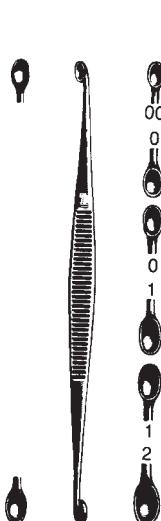
VOLKMANN  
33492-13 13 cm, 5 1/8"  
33492-16 16 cm, 6 1/4"  
33492-20 20 cm, 8"



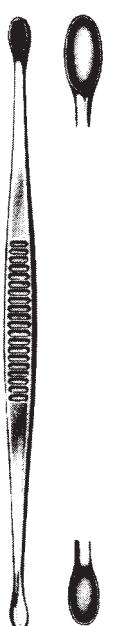
VOLKMANN  
33494-13 13 cm, 5 1/8"  
33494-14 14 cm, 5 1/2"  
33494-17 17 cm, 6 3/4"



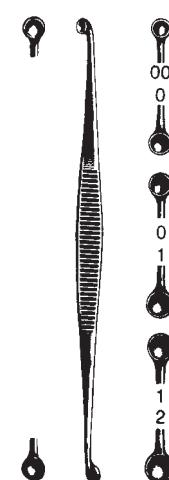
JANSEN  
33495-16  
16 cm, 6 1/4"



WILLIGER  
13,5 cm, 5 1/4" Fig.  
33496-00 00/0  
33496-01 0/1  
33496-12 1/2

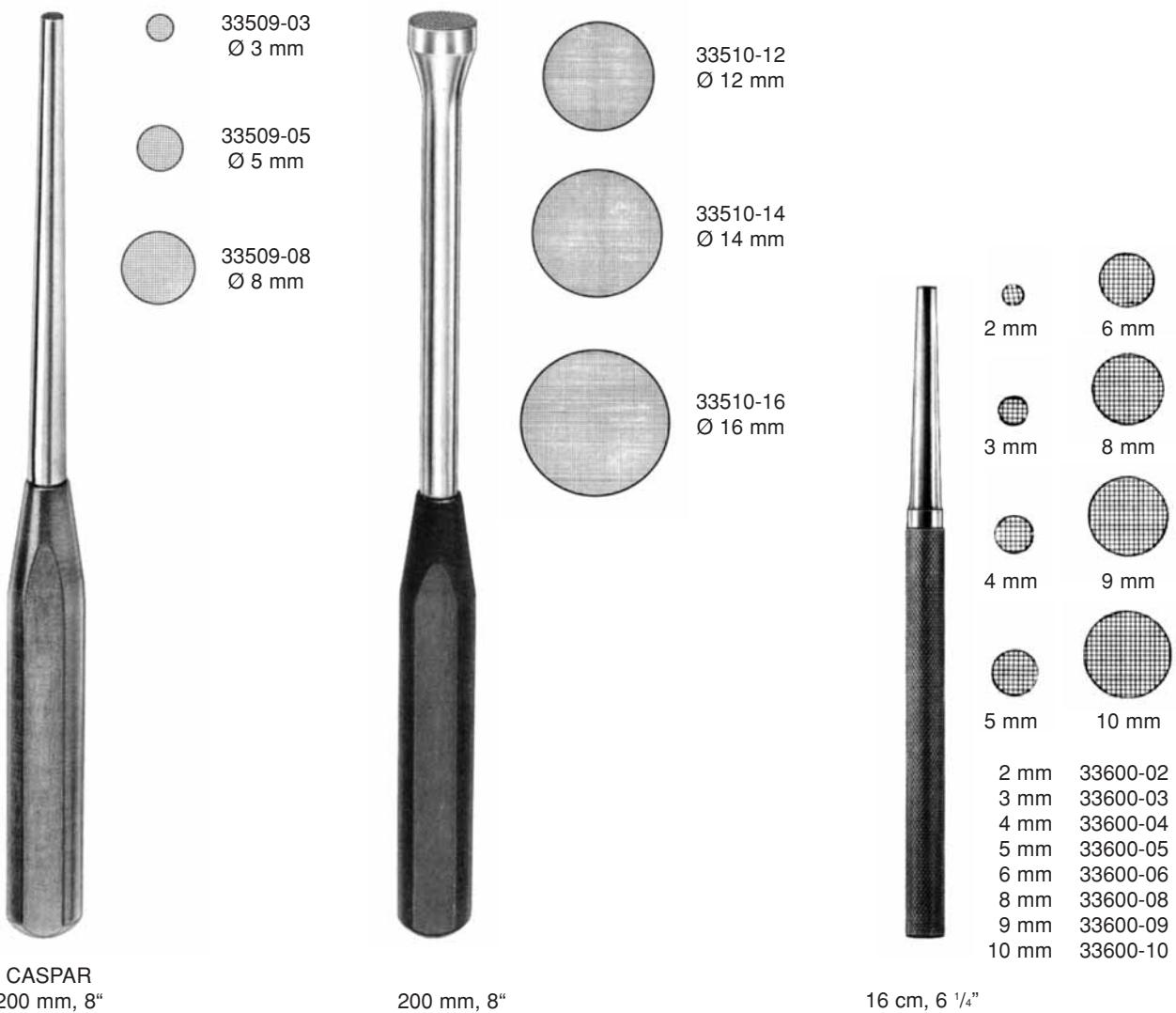


JACOBSON  
13 cm, 5 1/8"  
33497-00



MARTINI  
13,5 cm, 5 1/4"  
33498-00  
33498-01  
33498-12

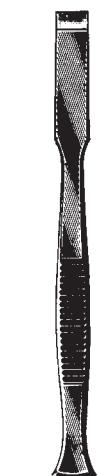
Stößel  
Hemostats  
Hemostáticos  
Pistoni



Stöbel, Flachmeißel, Hohlmeißel  
Hemostats, Chisels, Gouges  
Hemostáticos, Cinceles, Gubias  
Pistoni, scalpelli, sgorbie



|       |                 |
|-------|-----------------|
|       | 13,5 cm, 5 1/4" |
| 4 mm  | 33602-04        |
| 6 mm  | 33602-06        |
| 8 mm  | 33602-08        |
| 10 mm | 33602-10        |
| 12 mm | 33602-12        |
| 14 mm | 33602-14        |
| 16 mm | 33602-16        |



|  |                 |
|--|-----------------|
|  | 13,5 cm, 5 1/4" |
|  | 33604-04        |
|  | 33604-06        |
|  | 33604-08        |
|  | 33604-10        |
|  | 33604-12        |
|  | 33604-14        |
|  | 33604-16        |



|  |                 |
|--|-----------------|
|  | 13,5 cm, 5 1/4" |
|  | 33605-04        |
|  | 33605-06        |
|  | 33605-08        |
|  | 33605-10        |
|  | 33605-12        |
|  | 33605-14        |
|  | 33605-16        |



|           |               |
|-----------|---------------|
| ALEXANDER | 17 cm, 6 3/4" |
|           | 33610-04      |
|           | 33610-06      |
|           | 33610-08      |
|           | 33610-10      |
|           | 33610-12      |
|           | 33610-14      |



|           |               |
|-----------|---------------|
| ALEXANDER | 17 cm, 6 3/4" |
|           | 33611-04      |
|           | 33611-06      |
|           | 33611-08      |
|           | 33611-10      |
|           | 33611-12      |
|           | 33611-14      |



Meißel gerade  
3 mm  
33613-03  
31 cm, 12 1/4"



Meißel gerade  
7,5 mm  
33615-07  
31 cm, 12 1/4"

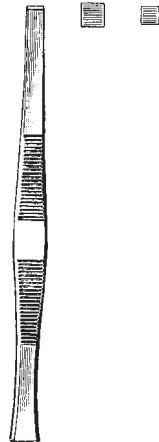


|         |                                  |
|---------|----------------------------------|
| PARTSCH | 13,5 cm, 5 1/4" mm 17 cm, 6 3/4" |
|         | 33620-02 2 33622-02              |
|         | 33620-03 3 33622-03              |
|         | 33620-04 4 33622-04              |
|         | 33620-05 5 33622-05              |
|         | 33620-06 6 33622-06              |
|         | 33620-07 7 33622-07              |
|         | 33620-08 8 33622-08              |



|         |                                  |
|---------|----------------------------------|
| PARTSCH | 13,5 cm, 5 1/4" mm 17 cm, 6 3/4" |
|         | 33623-02 2 33625-02              |
|         | 33623-03 3 33625-03              |
|         | 33623-04 4 33625-04              |
|         | 33623-05 5 33625-05              |
|         | 33623-06 6 33625-06              |
|         | 33623-07 7 33625-07              |
|         | 33623-08 8 33625-08              |

Flachmeißel, Hohlmeißel  
Chisels, Gouges  
Cinceles, Gubias  
Scalpelli, sgorbie



PASSOW  
12 cm, 4 3/4"

33626-35 3,5 mm  
33626-25 2,5 mm



STILLE  
20 cm, 8"

6 mm 33630-06  
8 mm 33630-08  
10 mm 33630-10  
12 mm 33630-12  
15 mm 33630-15  
20 mm 33630-20  
25 mm 33630-25  
30 mm 33630-30



STILLE  
20 cm, 8"

33631-10  
33631-12  
33631-15  
33631-20  
33631-25  
33631-30



STILLE  
20 cm, 8"

6 mm 33632-06  
8 mm 33632-08  
10 mm 33632-10  
12 mm 33632-12  
15 mm 33632-15  
20 mm 33632-20  
25 mm 33632-25  
30 mm 33632-30



STILLE  
20 cm, 8"

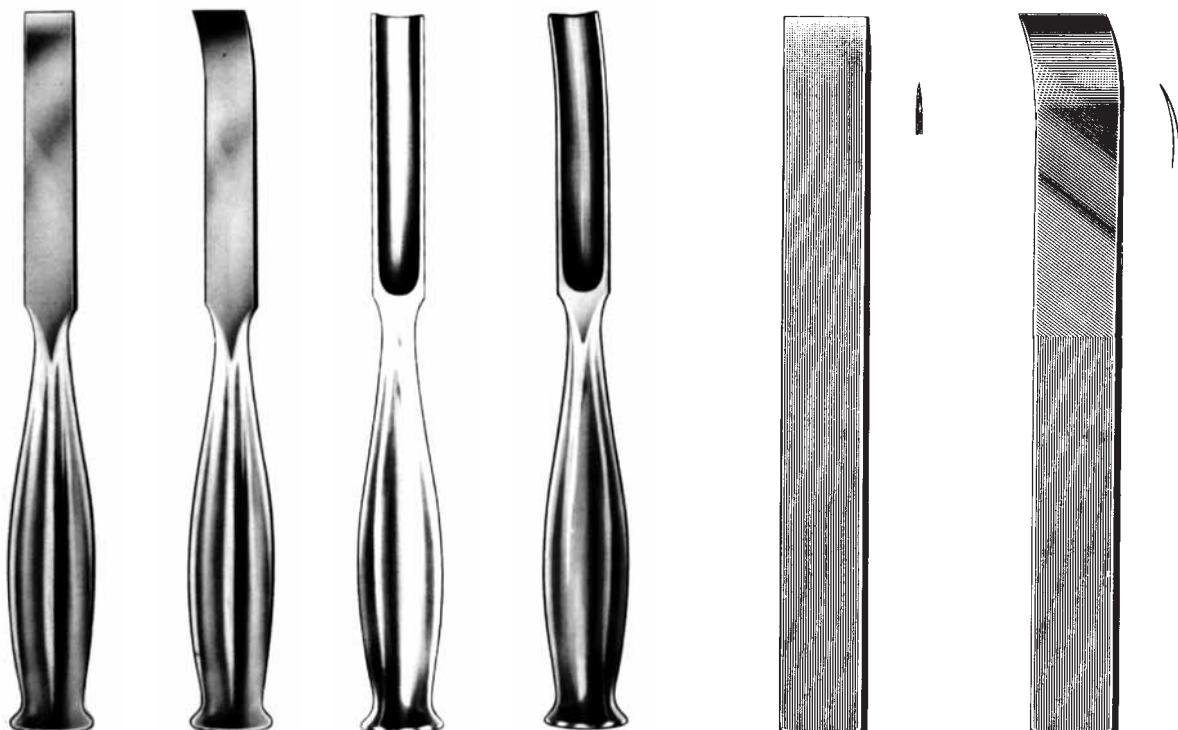
33633-06  
33633-08  
33633-10  
33633-12  
33633-15  
33633-20  
33633-25  
33633-30



STILLE  
20 cm, 8"

33634-06  
33634-08  
33634-10  
33634-12  
33634-15  
33634-20  
33634-25  
33634-30

Osteotome, Hohlmeißel  
 Chisels, Gouges  
 Cinceles, Gubias  
 Scalpelli, sgorbie



**SMITH-PETERSEN**  
 20 cm, 8"

|       |          |          |          |          |
|-------|----------|----------|----------|----------|
| 6 mm  | 33644-06 | 33645-06 | 33647-06 |          |
| 9 mm  | 33644-09 | 33645-09 | 33647-09 | 33649-09 |
| 13 mm | 33644-13 | 33645-13 |          |          |
| 14 mm |          | 33647-14 | 33649-14 |          |
| 16 mm | 33644-16 | 33645-16 | 33647-16 | 33649-16 |
| 19 mm | 33644-19 | 33645-19 | 33647-19 | 33649-19 |
| 25 mm | 33644-25 | 33645-25 | 33647-25 | 33649-25 |
| 32 mm | 33644-32 | 33645-32 | 33647-32 | 33649-32 |

**LAMBOTTE**  
 24 cm, 9 1/2"      23 cm, 9"

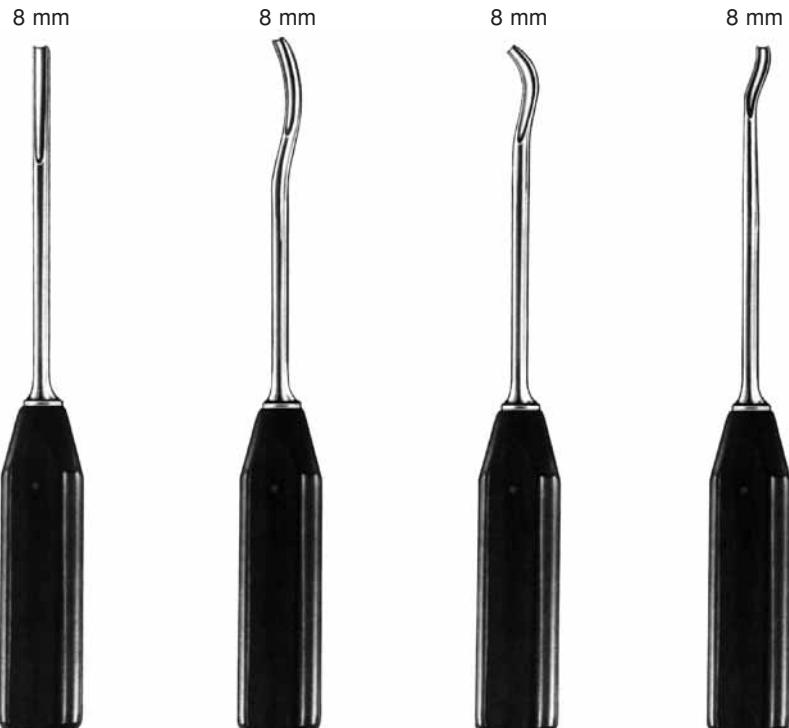
|          |       |          |
|----------|-------|----------|
| 33650-04 | 4 mm  | 33651-04 |
| 33650-06 | 6 mm  | 33651-06 |
| 33650-08 | 8 mm  | 33651-08 |
| 33650-10 | 10 mm | 33651-10 |
| 33650-13 | 13 mm | 33651-13 |
| 33650-16 | 16 mm | 33651-16 |
| 33650-18 | 18 mm | 33651-18 |
| 33650-20 | 20 mm | 33651-20 |
| 33650-25 | 25 mm | 33651-25 |
| 33650-30 | 30 mm | 33651-30 |
| 33650-38 | 38 mm | 33651-38 |
| 33650-44 | 44 mm | 33651-44 |
| 33650-50 | 50 mm | 33651-50 |

Osteotome, Hohlmeißel  
Chisels, Gouges  
Cinceles, Gubias  
Scalpelli, sgorbie



|          |      |          |             |    |               |
|----------|------|----------|-------------|----|---------------|
| 2 mm     | 3 mm | 4 mm     | 12,5 cm, 5" | mm | 17 cm, 6 3/4" |
| 33654-02 | 2    | 33652-02 |             |    |               |
| 33654-03 | 3    | 33652-03 |             |    |               |
| 33654-04 | 4    | 33652-04 |             |    |               |
| 33654-06 | 6    | 33652-06 |             |    |               |
| 33654-08 | 8    | 33652-08 |             |    |               |
| 33654-10 | 10   | 33652-10 |             |    |               |
| 33654-12 | 12   | 33652-12 |             |    |               |
| 33654-15 | 15   | 33652-15 |             |    |               |

MINI-LAMBOTTE



COBB  
28 cm, 11"  
33656-28

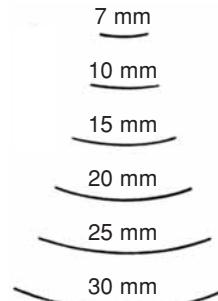
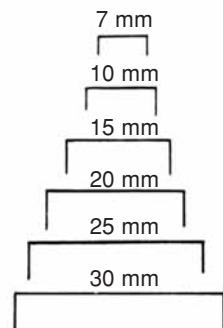
COBB  
28 cm, 11"  
33657-28

COBB  
28 cm, 11"  
33658-28

COBB  
28 cm, 11"  
33659-28

Hohlmeißel mit Ferrozellgriff  
Gouges with Ferrozell-Handle  
Gubias con mango de Ferrozell  
Sgorbie con manico di Ferrozell

Osteotome, Hohlmeißel mit Ferrozell-Griff  
 Chisels and Gouges with Ferrozell-Handle  
 Gubias con mango de Ferrozell  
 Osteotomo, con manico di Ferrozell

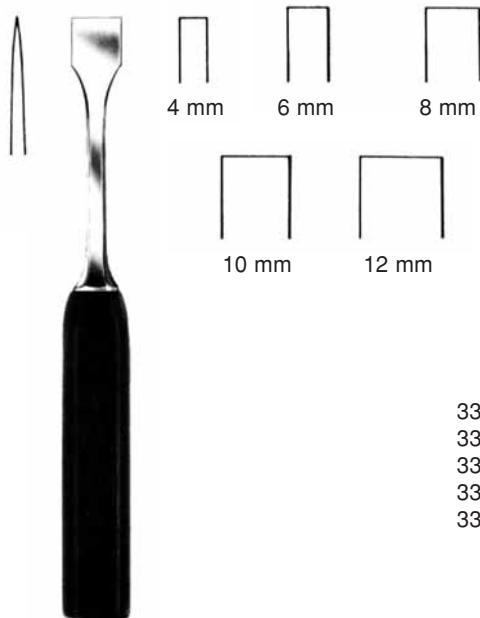


LEXER  
 22 cm, 8 3/4"

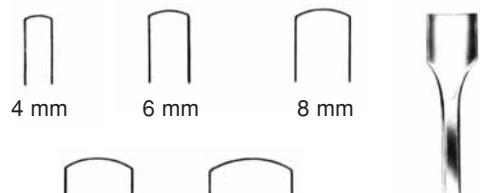


LEXER  
 22 cm, 8 3/4"

|          |       |          |
|----------|-------|----------|
| 33660-07 | 7 mm  | 33661-07 |
| 33660-10 | 10 mm | 33661-10 |
| 33660-15 | 15 mm | 33661-15 |
| 33660-20 | 20 mm | 33661-20 |
| 33660-25 | 25 mm | 33661-25 |
| 33660-30 | 30 mm | 33661-30 |



LEXER MINI  
 18 cm, 7"



|          |       |          |
|----------|-------|----------|
| 33664-04 | 4 mm  | 33665-04 |
| 33664-06 | 6 mm  | 33665-06 |
| 33664-08 | 8 mm  | 33665-08 |
| 33664-10 | 10 mm | 33665-10 |
| 33664-12 | 12 mm | 33665-12 |

LEXER MINI  
 18 cm, 7"

Flachmeißel  
Chisels  
Cinceles  
Scalpelli



20 mm



16 mm

33665-24  
24,5 cm, 9  $\frac{3}{4}$ "

33665-26  
26,5 cm, 10  $\frac{1}{2}$ "

Hohlmeißel mit NOVOTEX-Griff  
Gouges with Novotex-Handle  
Gubias con mango de Novotex  
Sgorbie con manico di Novotex



ZIELKE 23 cm, 9"  
33665-55 5,5 mm  
33665-90 9,0 mm



22 cm, 8  $\frac{3}{4}$ "  
33666-22

9 mm



25 cm, 10"  
33669-05 5 mm 33670-05  
33669-10 10 mm 33670-10  
33669-15 15 mm 33670-15

Flachmeißel, Hohlmeißel  
Chisels, Gouges  
Cinceles, Gubias  
Scalpelli, Sgorbie



**HOKE**  
14 cm, 5 1/2"  
33668-03 3 mm  
33668-05 5 mm  
33668-06 6 mm  
33668-08 8 mm  
33668-09 9 mm  
33668-10 10 mm  
33668-13 13 mm



**HIBBS**  
24 cm, 9 1/2"  
33670-06 6 mm  
33670-09 9 mm  
33670-13 13 mm  
33670-16 16 mm  
33670-19 19 mm  
33670-25 25 mm  
33670-32 32 mm



**HIBBS**  
24 cm, 9 1/2"  
33671-06 6 mm  
33671-09 9 mm  
33671-13 13 mm  
33671-16 16 mm  
33671-19 19 mm  
33671-25 25 mm  
33671-32 32 mm



**HIBBS**  
24 cm, 9 1/2"  
33672-06 6 mm  
33672-09 9 mm  
33672-13 13 mm  
33672-16 16 mm  
33672-19 19 mm  
33672-25 25 mm  
33672-32 32 mm

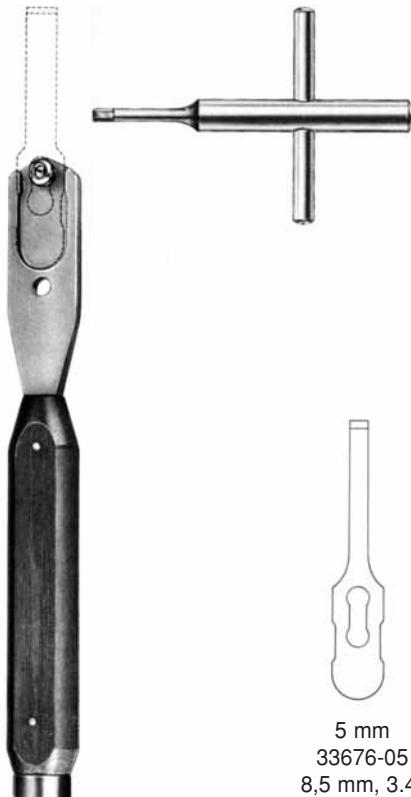


**HIBBS**  
24 cm, 9 1/2"  
33673-06 6 mm  
33673-09 9 mm  
33673-13 13 mm  
33673-16 16 mm  
33673-19 19 mm  
33673-25 25 mm  
33673-32 32 mm



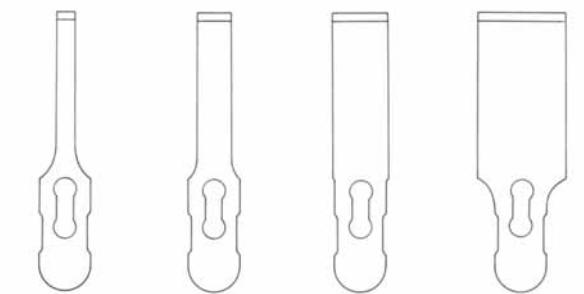
**HIBBS**  
24 cm, 9 1/2"  
33675-06 6 mm  
33675-09 9 mm  
33675-13 13 mm  
33675-16 16 mm  
33675-19 19 mm  
33675-25 25 mm  
33675-32 32 mm

Meißel  
Chisels  
Cinceles  
Scalpelli



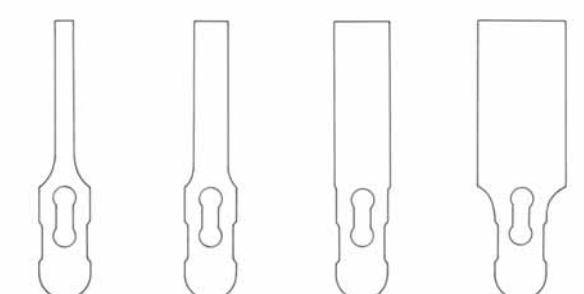
33676-02  
9 cm, 3 1/2"  
Spannschlüssel  
Key  
Llave  
Clé  
Chiave

33676-01  
18,5 cm, 7 1/4"  
Griff allein  
Handle only  
Mango suelto  
Manico solo



5 mm            10 mm            16 mm            25 mm  
33676-05      33676-10      33676-16      33676-25  
8,5 mm, 3.4"   8,5 mm, 3.4"   8,5 mm, 3.4"   8,5 mm, 3.4"

Meißelklingen  
auswechselbar  
Chisel blades  
interchangeable  
Hojas de cincel  
intercambiables  
Lame intercambiabili



5 mm            10 mm            16 mm            25 mm  
33677-05      33677-10      33677-16      33677-25  
8,5 mm, 3.4"   8,5 mm, 3.4"   8,5 mm, 3.4"   8,5 mm, 3.4"

Osteotomklingen  
auswechselbar  
Osteotome blades  
interchangeable  
Hojas de osteótomo  
intercambiables  
Lame per osteotomia  
intercambiabili

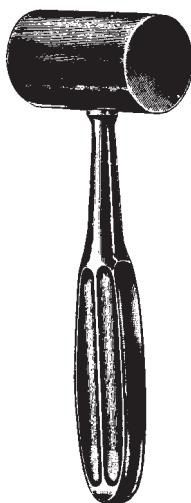
Hämmer  
Bone Hammers and Mallets  
Martillos y mazos  
Martelli

Head Ø 35 mm / 450 g



GERZOG  
18 cm, 7"  
33686-25 250 g

Ø 38 mm



KIRK  
19 cm, 7 1/2"  
33687-75 750 g



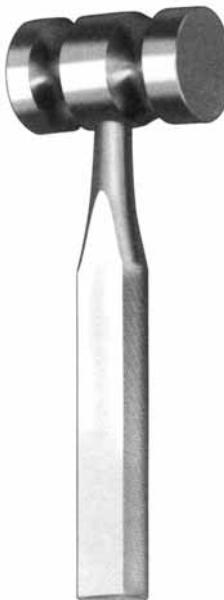
26,5 cm, 10 1/2"  
33688-45

Head Ø 32 mm / 450 g



27,5 cm, 10 3/4"  
33689-45 900 g

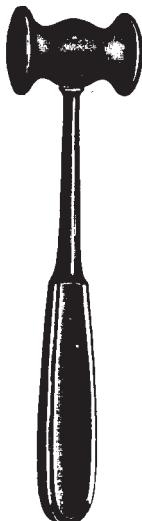
Head Ø 38 mm / 600 g



25 cm, 10"  
33689-90 900 g

Hämmer  
Bone Hammers and Mallets  
Martillos y mazos  
Martelli

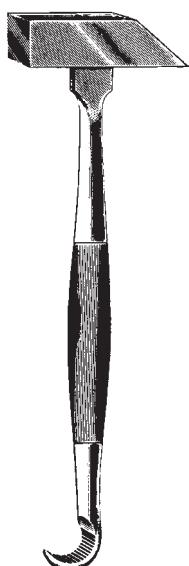
Ø 30 mm



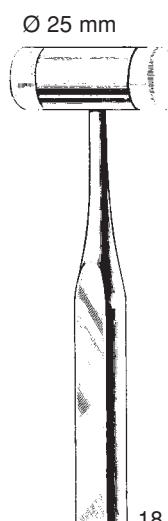
COLLIN  
20 cm, 8"  
33690-22 220 g



Head Ø 26 mm / 150 g  
33694-15  
Head Ø 30 mm / 240 g  
33694-24  
19 cm, 7 1/2"



33699-00  
23,5 cm, 9 1/4"  
480 g



Ø 25 mm  
33694-01  
33694-03 Ersatzbacken  
Nylon Caps  
Tapas de repuesto  
Placche di ricambio

Hämmer

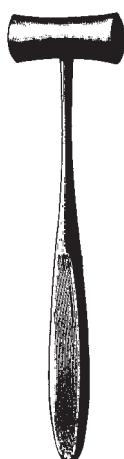
Bone Hammers and Mallets

Martillos y mazos

Martelli



Ø 25 mm



LUCAE  
19 cm, 7 1/2"  
33692-26 260 g

massiv, mit auswechselbaren Ferrozellbacken  
solid, with interchangeable Ferrozell jaws  
macizo, con tapas intercambiables de Ferrozell  
solido, con placche intercambiabili in Ferrozell

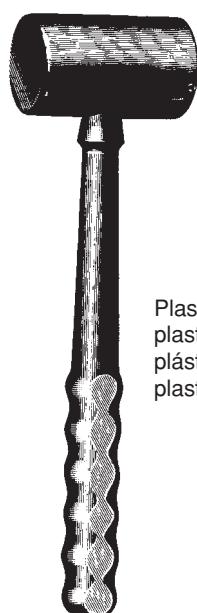


Ø 20 mm

33693-33  
Paar Ersatzbacken  
Pair spare jaws  
par de tapas de repuesto  
Coppia di placche di ricambio

33693-34  
Satz Ringe  
Set rings  
juego de anillos  
Set anelli

MEAD  
17 cm, 6 3/4"  
33693-32 320 g



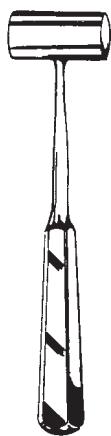
Plastik  
plastic  
plástico  
plastica



QUISLING  
33696-75



Ø 22 mm



PARTSCH  
33698-98  
18 cm, 7"  
199 g



33699-17  
26,5 cm, 10 1/2"  
199 g

Hämmer  
Bone Hammers and Mallets  
Martillos y mazos  
Martelli

Ø 30 mm



33700-01-01  
Ersatzbacken  
Nylon Caps  
Tapas de repuesto  
Placche di ricambio

24,5 cm, 9 ¾" 215 g  
33700-01

Ø 10 mm

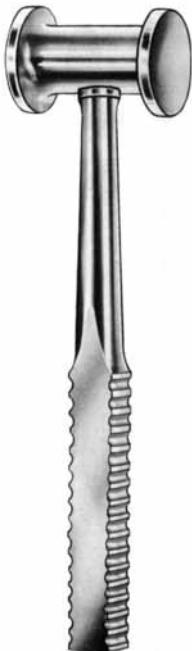


Kopf aus  
Implantatwerkstoff  
Head made of  
material used for implants  
Cabeza de  
material de implantación  
Testa in  
materiale per impianti

Ø 23 mm

23 cm, 9" 350 g  
33700-02

Ø 45 mm



BERGMANN  
24 cm, 9 ½" 300 g  
33700-03

Ø 30 mm



BERGMANN  
23 cm, 9" 300 g  
33700-04

Hämmer  
Bone Hammers and Mallets  
Martillos y mazos  
Martelli



COTTLER  
18 cm, 7" 240 g  
33700-05



HEATH  
18 cm, 7" 700 g  
33700-06



OMBREDANNE  
25 cm, 10" 700 g  
33700-07



HAJEK  
21 cm, 8 1/4" 140 g  
33700-08



Slotted Hammer  
33700-09  
33700-11



33700-50 500 g



33701-35 350 g  
33701-50 500 g  
33701-70 700 g

Raspatorien  
Periosteal Elevators  
Periostótomos  
Periostotomi

12,5 mm



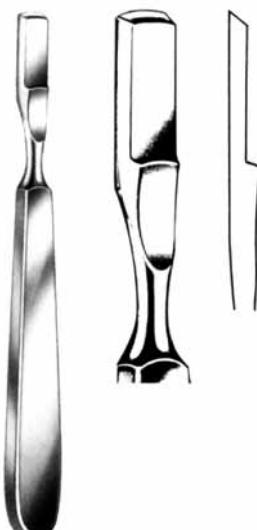
FARABEUF  
33702-15  
15 cm, 5.9"

12,5 mm



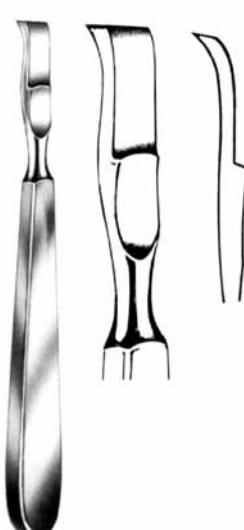
FARABEUF  
33703-15  
15 cm, 5.9"

11 mm



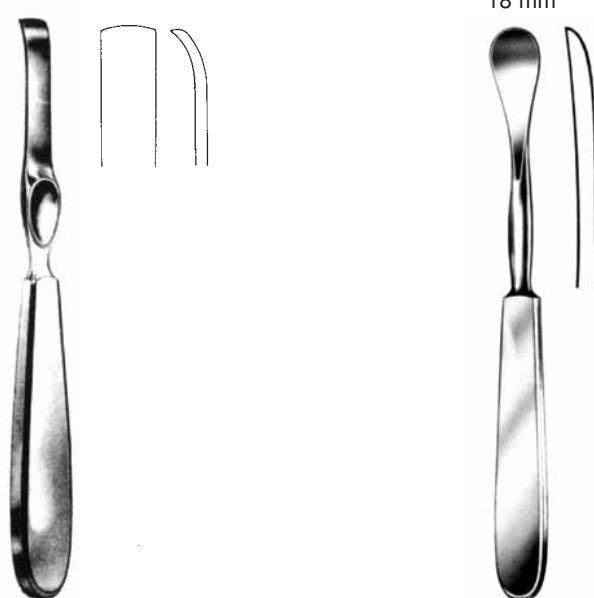
FARABEUF-COLLIN  
33704-01  
15,5 cm, 6"

11 mm



FARABEUF-COLLIN  
33704-02  
15,5 cm, 6"

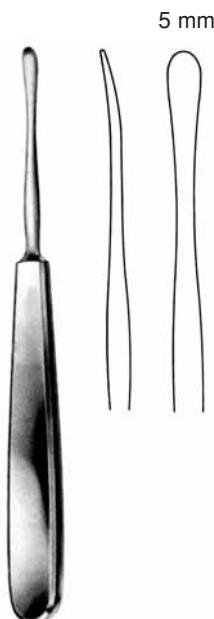
18 mm



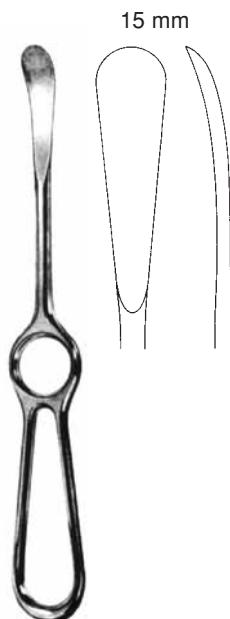
SEDILLOT  
18 cm, 7"  
33706-18

LAMBOTTE  
21 cm, 8 1/4"  
33705-05 5 mm  
33705-10 10 mm  
33705-15 15 mm  
33705-20 20 mm  
33705-25 25 mm

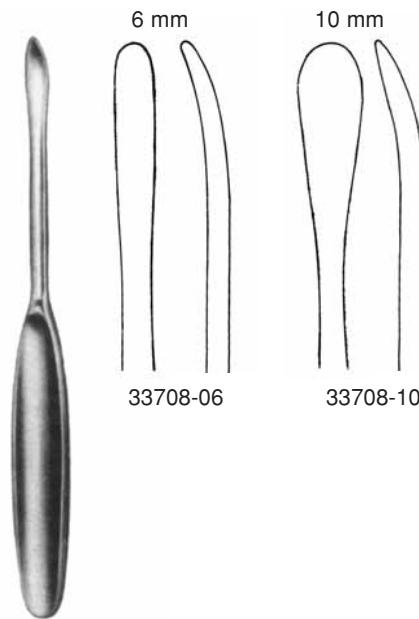
Raspatorien  
Periosteal Elevators  
Periostótomas  
Periostotomi



SEBILLEAU  
17,5 cm, 7"  
33707-17



SEDILLOT  
21 cm, 8 1/4"  
33709-21



QUERVAIN  
19,5 cm, 7 3/4"  
33708-06      33708-10



LANGENBECK  
19 cm, 7 1/2"  
33710-19



LANGENBECK  
18 cm, 7"  
33711-18



LANGENBECK  
20 cm, 8"  
33711-20      8 mm  
33711-21      10 mm

Raspatorien, Elevatoren  
Raspatories, Elevators  
Periostótomas, Elevadores  
Periostotomi, Elevatori

4 mm



WILLIGER  
33711-16  
16 cm, 6 1/4"

6,5 mm



WILLIGER  
33712-16  
16 cm, 6 1/4"

5 mm



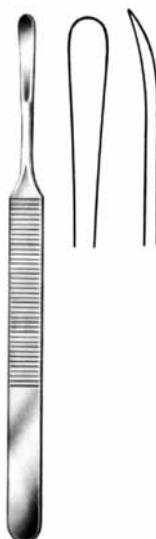
WILLIGER  
33713-16  
16 cm, 6 1/4"

5,5 mm

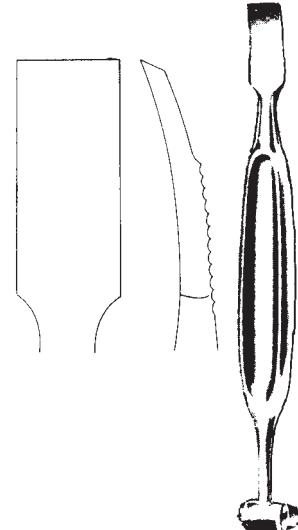


WILLIGER  
33713-17  
17 cm, 6 3/4"

5 mm



KÖNIG  
33714-15  
15,5 cm, 6"



ALEXANDER  
33715-20  
20 cm, 8"



MOLT  
33716-18  
18 cm, 7"

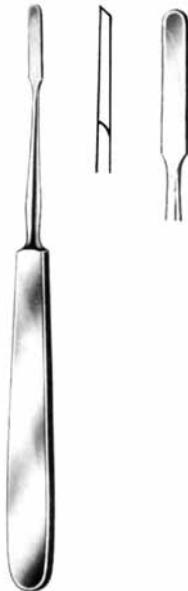
Raspatorien, Elevatoren  
Raspatories, Elevators  
Periostótomas, Elevadores  
Periostotomi, Elevatori

4 mm



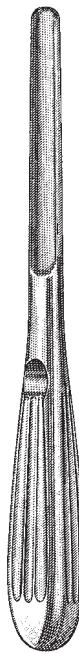
JOSEPH  
33718-16  
16 cm, 6 1/4"

4 mm



FOMON  
33719-17  
17 cm, 6 3/4"

9 mm

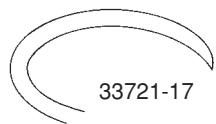


BOIES  
33720-19  
19 cm, 7 1/2"

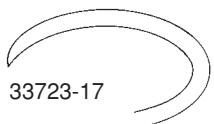


GORMAN  
33720-21  
21 cm, 8 1/4"

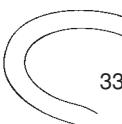
Raspatorien, Elevatoren  
Perosteal Elevators  
Periostótomas, Elevadores  
Periostotomi, Elevatori



33721-17



33723-17



33725-17



33727-17

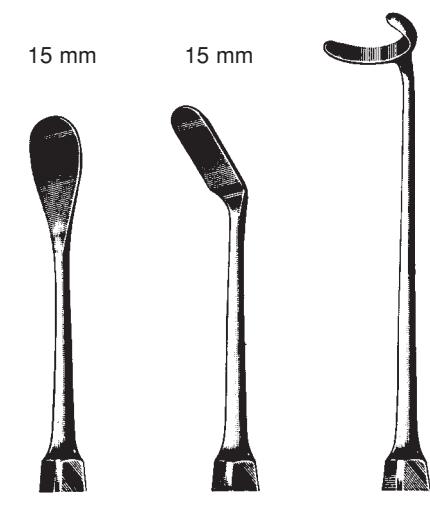


DOYEN  
33728-24    33729-24  
24 cm    9 1/2"



DOYEN  
17 cm  
6 3/4"

DOYEN  
17 cm  
6 3/4"



12 mm

12 mm

12 mm

13 mm

15 mm

15 mm



SEMB  
33729-01 -  
33729-07



33729-01  
17,5 cm  
7"

33729-02  
21 cm  
8 1/4"

33729-03  
17,5 cm  
7"

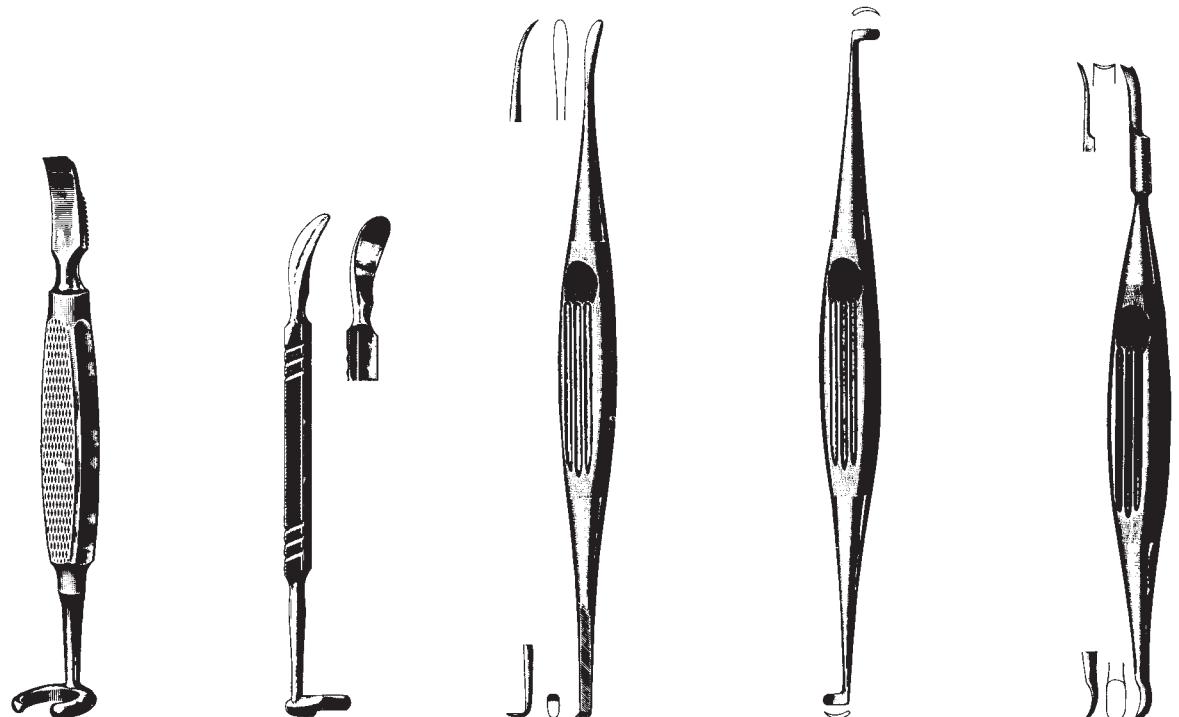
33729-04  
21 cm  
8 1/4"

33729-05  
20,5 cm  
8"

33729-06  
20,5 cm  
8"

33729-07  
22,5 cm  
8,9"

Elevatoren, Raspatoren  
Elevators, Raspatories  
Elevadores, Periostótomas  
Elevatori, Periostotomi



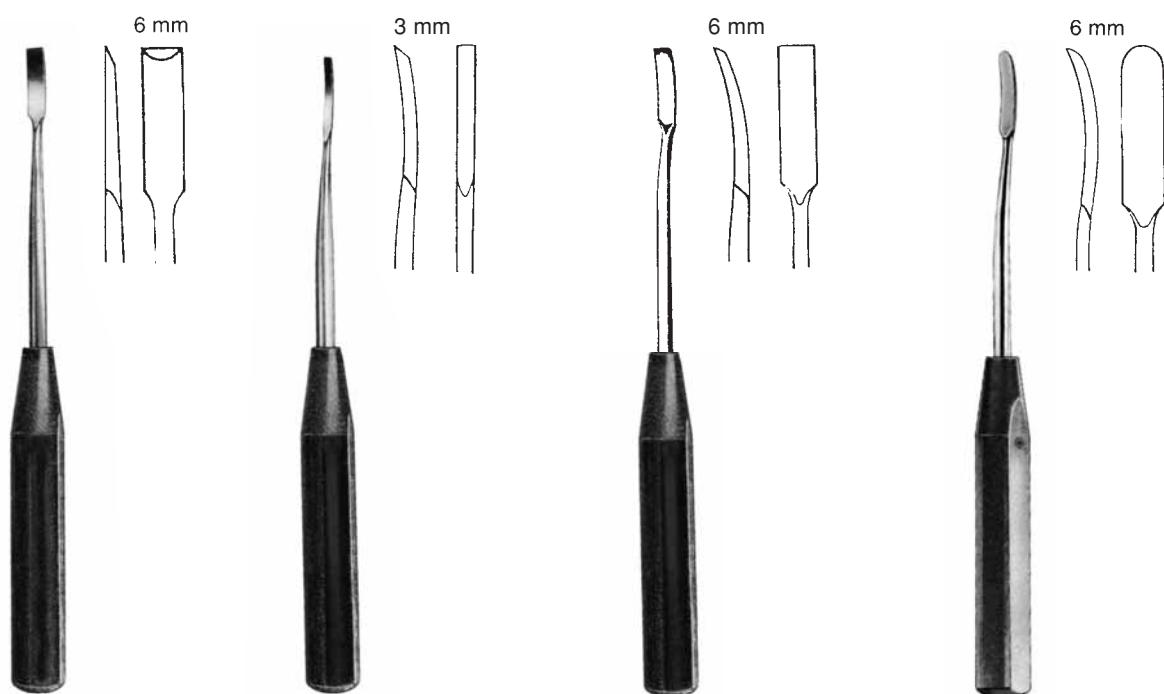
MATSON-ALEXANDER  
33731-22

MATSON  
33733-22  
22 cm, 8 3/4"

OVERHOLT  
33735-29  
29,5 cm, 11 1/2"

OVERHOLT  
33737-29  
29,5 cm, 11 1/2"

OVERHOLT  
33739-28  
28,5 cm, 11 1/4"



33740-19  
19 cm, 7 1/2"

33741-18  
18,5 cm, 7 1/4"

33742-18  
18,5 cm, 7 1/4"

33743-18  
18,5 cm, 7 1/4"

Elevatoren, Raspatoren  
Elevators, Raspatories  
Elevadores, Periostótomas  
Elevatori, Periostotomi

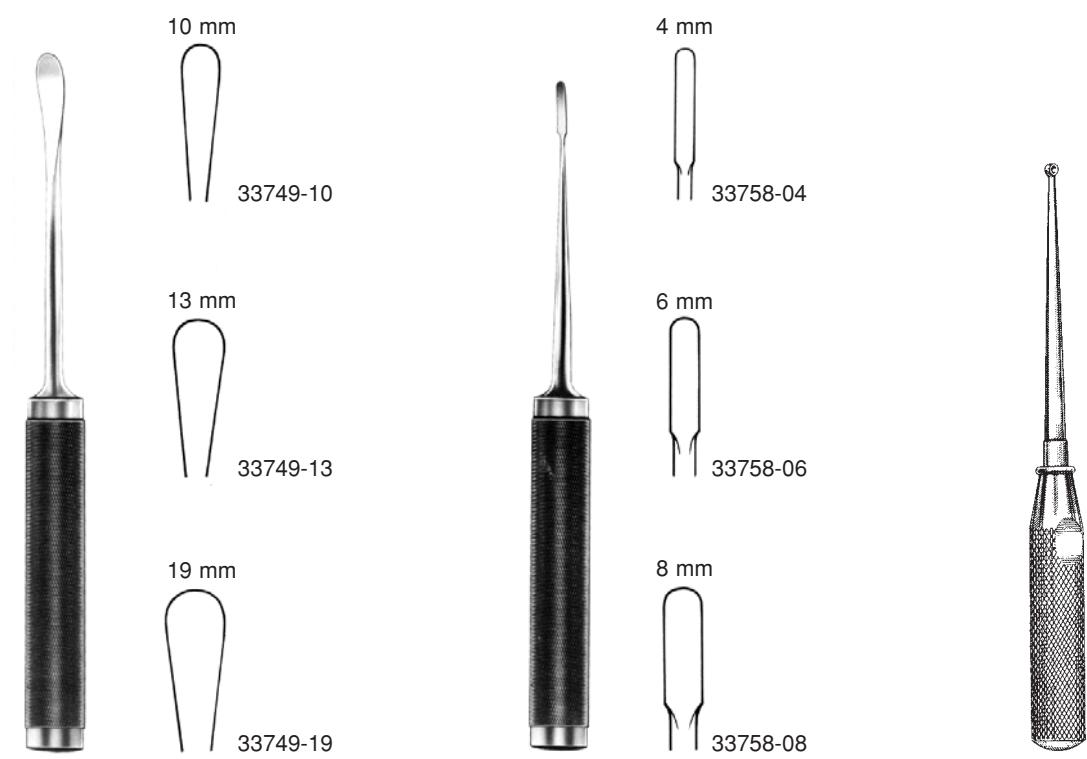
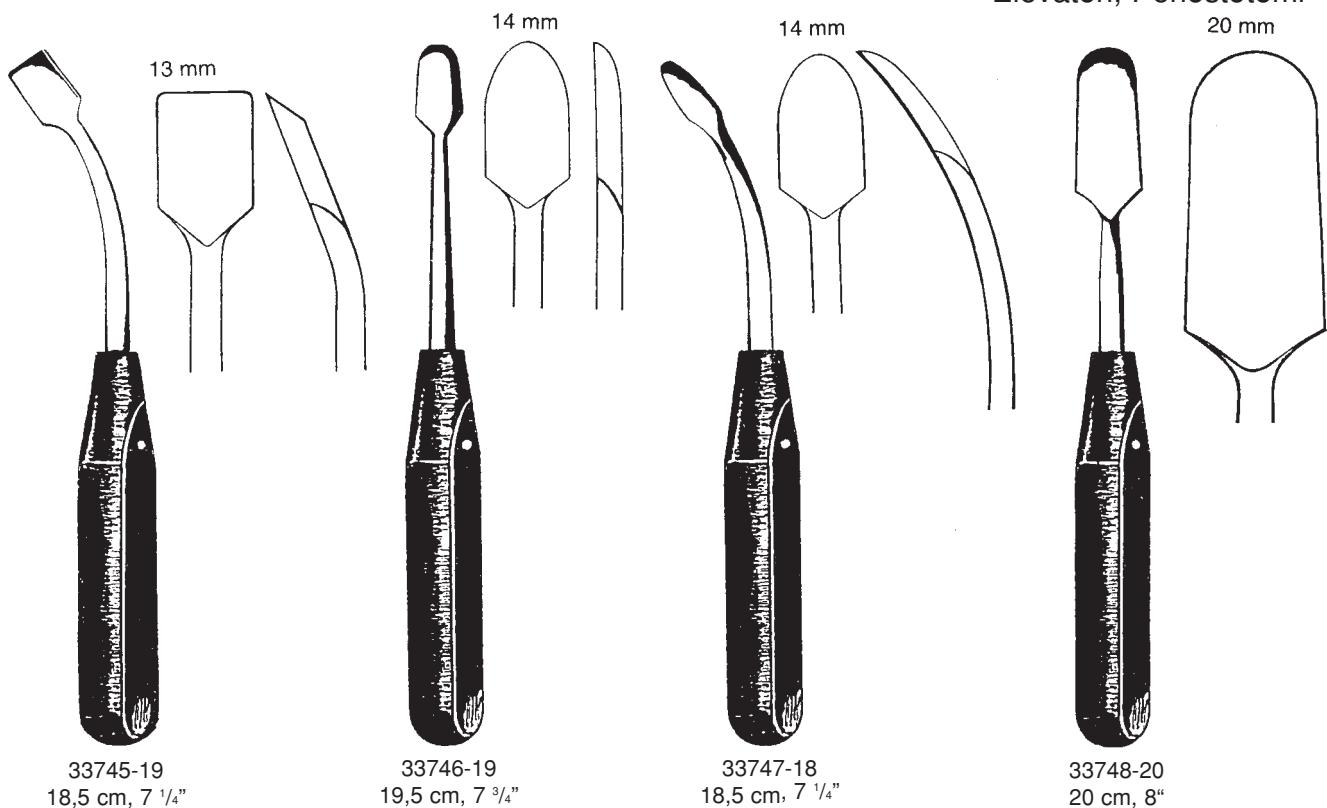


Fig.1 8 mm 33751-01  
Fig.2 6 mm 33751-02  
Fig.3 3 mm 33751-03

Elevatoren

Elevators

Elevadores

Elevatori



scharf  
sharp  
cortante  
tagliente



stumpf  
blunt  
romo  
smusso

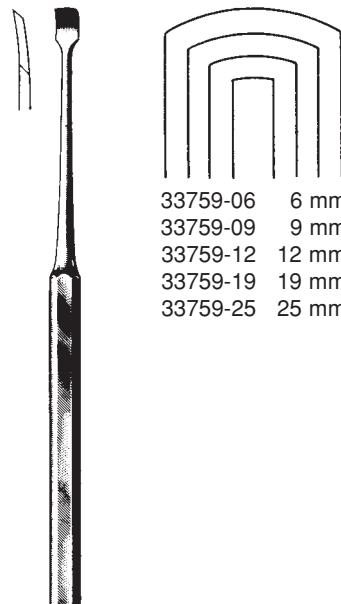
SAYRE  
17 cm, 6 3/4"  
33758-01

SAYRE  
17 cm, 6 3/4"  
33758-02

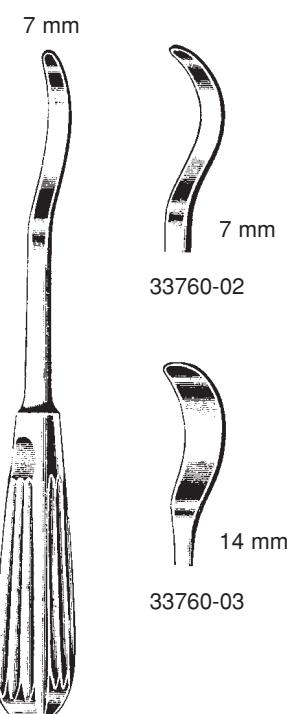
Elevatoren, Knochenhebel  
Elevators, Bone Levers  
Elevadores para huesos  
Elevatori, Elevatori per ossa



ADSON  
17 cm, 6  $\frac{3}{4}$ "



KEY  
33759-06 - 33759-25  
19 cm, 7  $\frac{1}{2}$ "

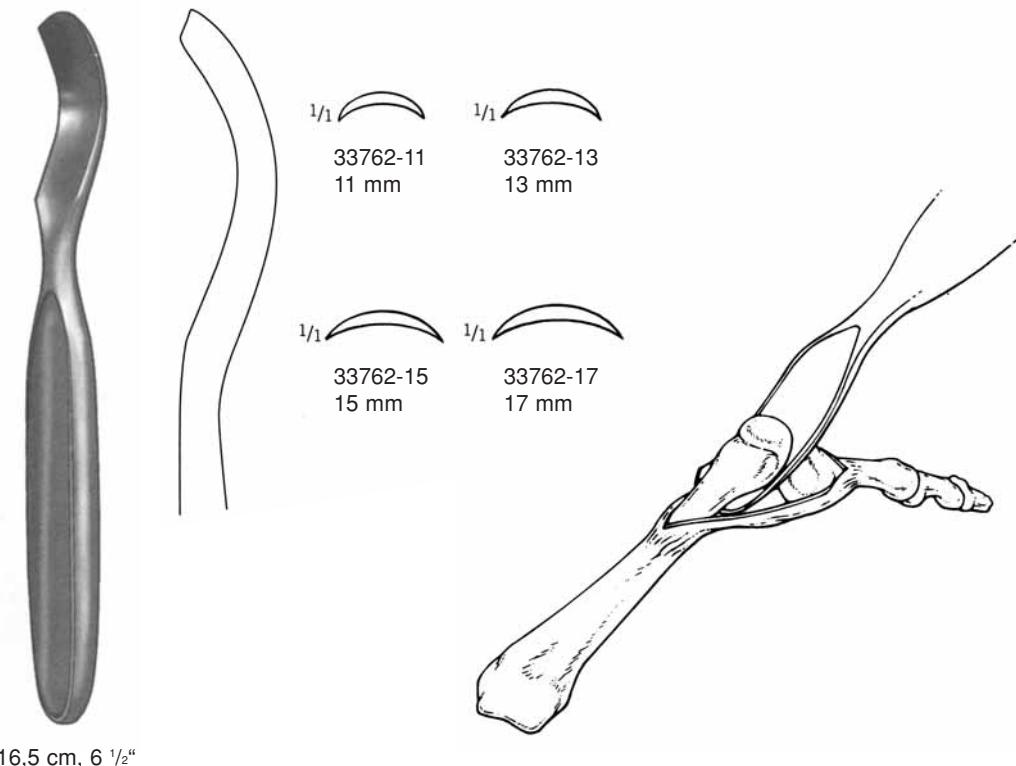


CREGO  
33760-01  
20 cm, 8"

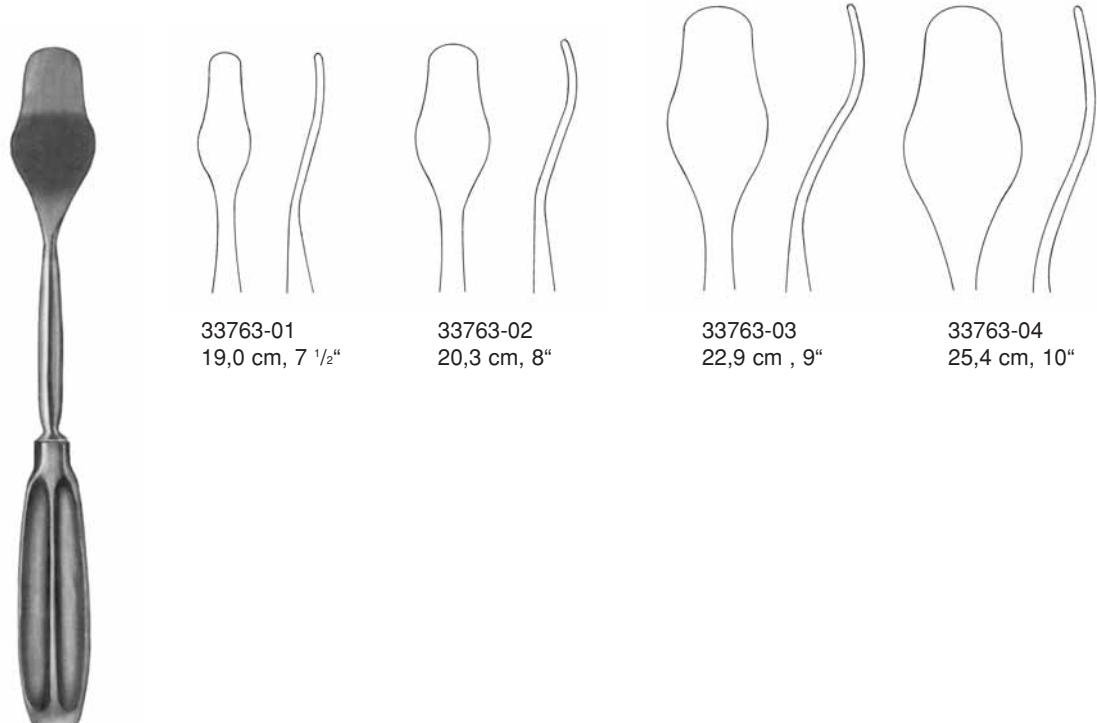


ALDERDYCE  
33761-21  
21 cm, 8  $\frac{1}{4}$ "

Elevatoren, Knochenhebel  
Elevators, Bone Levers  
Elevadores para huesos  
Elevatori, Elevatori per ossa



16,5 cm, 6 1/2"



CHANDLER

Elevatoren, Knochenhebel  
Elevators, Bone Levers  
Elevadores para huesos  
Elevatori, Elevatori per ossa



WATSON-CHEYNE  
33765-17  
17,5 cm, 7"



MC DONALD  
33767-19  
19 cm, 7 1/2"



MURPHY-LANE  
33769-30  
30 cm, 11 3/4"



BENNETT  
33771-71  
65x260 mm



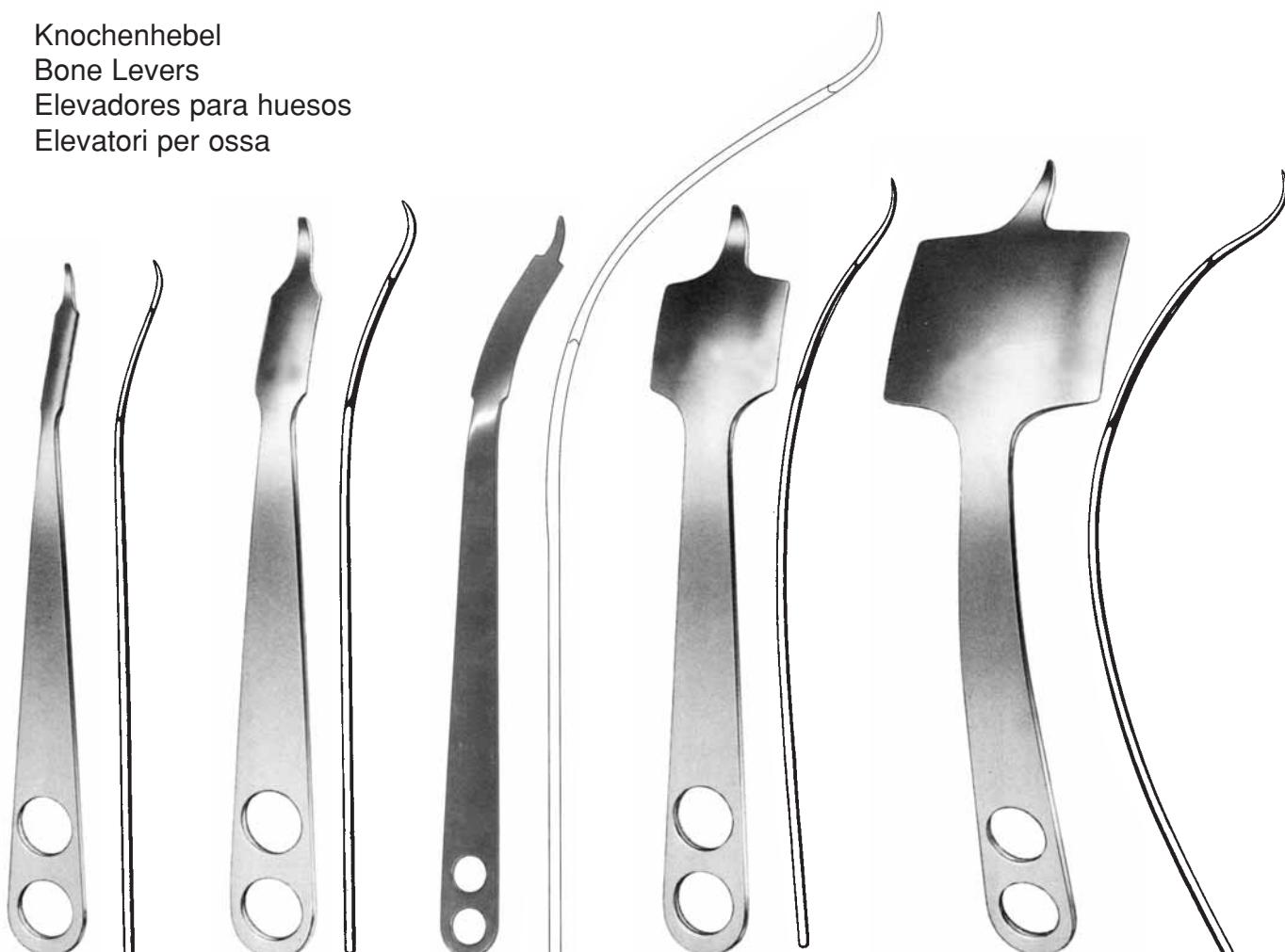
BENNETT  
33771-73  
45x260 mm

Knochenhebel

Bone Levers

Elevadores para huesos

Elevatori per ossa



HOHMANN  
33801-08 8 mm  
33801-12 12 mm

HOHMANN  
33801-18  
18 mm,  $\frac{3}{4}$ "

HOHMANN  
33801-22  
22 mm

HOHMANN  
33801-43  
43 mm, 1  $\frac{3}{4}$ "

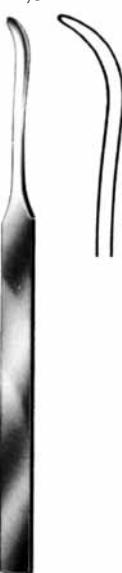
HOHMANN  
33801-70  
70 mm, 2  $\frac{3}{4}$ "

4,5 mm



KÖNIG  
33802-01  
15 cm, 6"

4,5 mm



KÖNIG  
33802-02  
15 cm, 6"

2,8 mm



33802-14  
14 cm, 5  $\frac{1}{2}$ "

5 mm



33803-05  
15 cm, 6"

7 mm

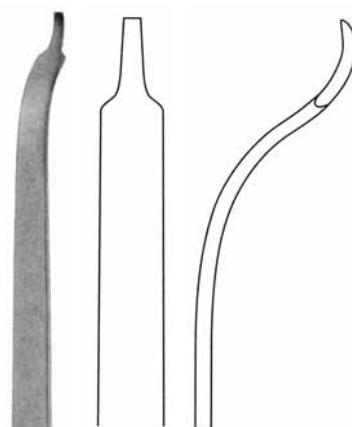


33803-07  
15 cm, 6"

Knochenhebel  
Bone Levers  
Elevadores para huesos  
Elevatori per ossa



HOHMANN  
33803-43  
43 mm



BUCK-GRAMCKO  
33804-15  
15 mm



HOHMANN  
33805-22  
22 mm



HOHMANN  
33805-33  
33 mm



HOHMANN  
33807-24  
24 mm



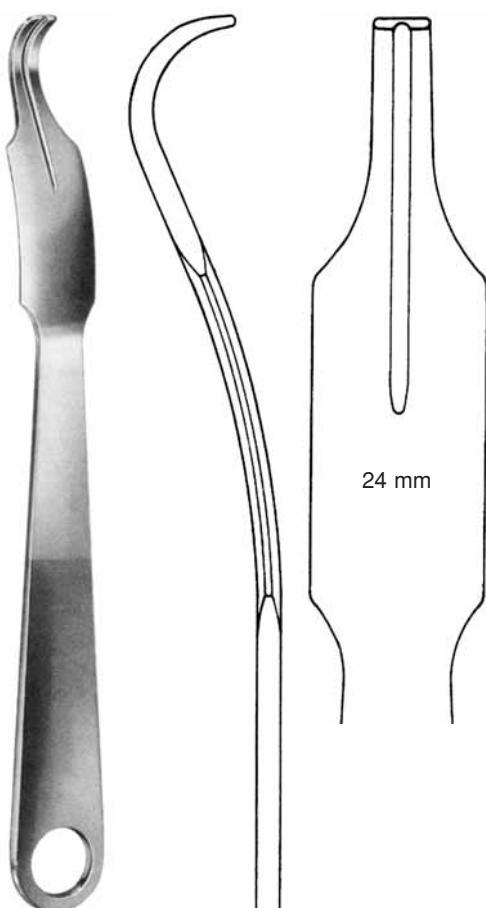
HOHMANN  
33809-22  
22 mm

Knochenhebel

Bone Levers

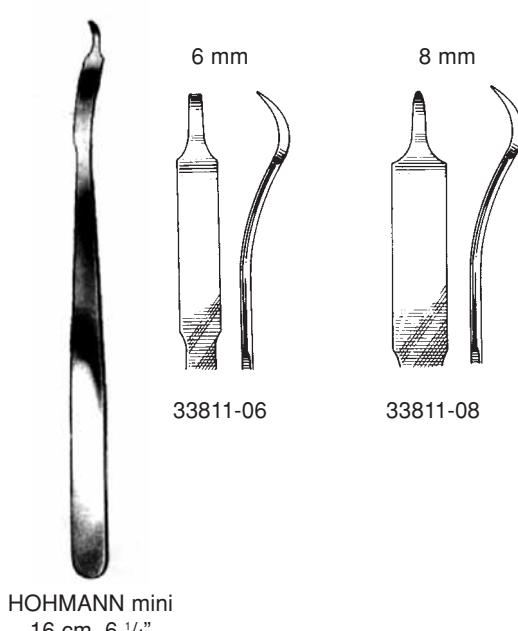
Elevadores para huesos

Elevatori per ossa



LANGE-HOHMANN  
33810-24  
25 cm, 10"

24 mm



33811-06

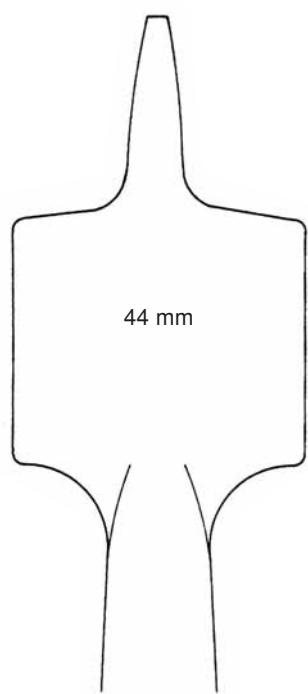
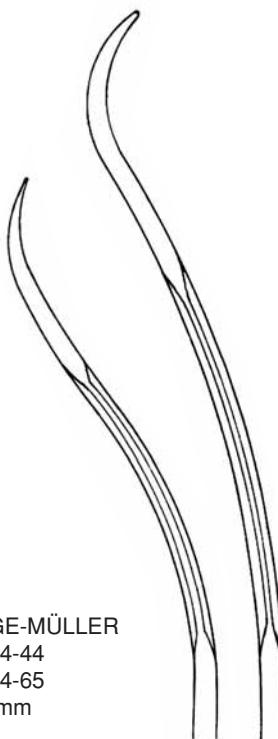
33811-08

HOHMANN mini  
16 cm, 6 1/4"

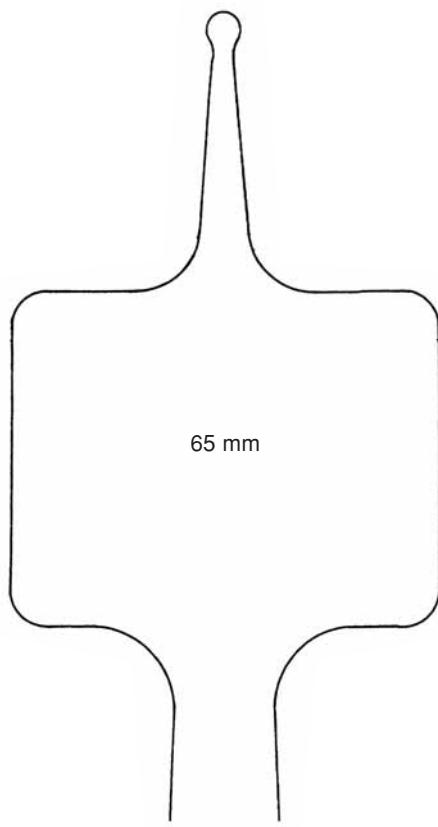
Knochenhebel  
Bone Levers  
Elevadores para huesos  
Elevatori per ossa



VERBRUGGE-MÜLLER  
33814-44  
33814-65  
24 mm



44 mm

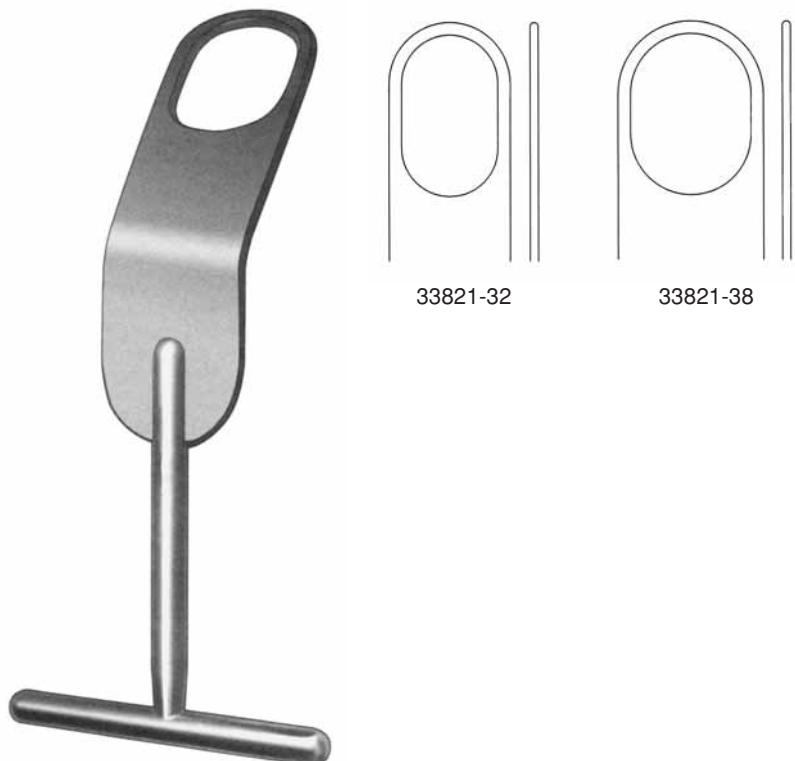


65 mm

Knochenhebel  
Bone Levers  
Elevadores para huesos  
Elevatori per ossa



33820-22  
25 cm, 10"



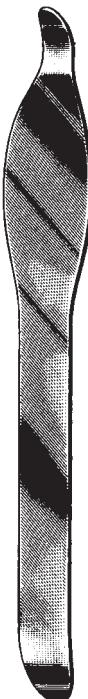
33821-32                    33821-38

18 cm, 7"

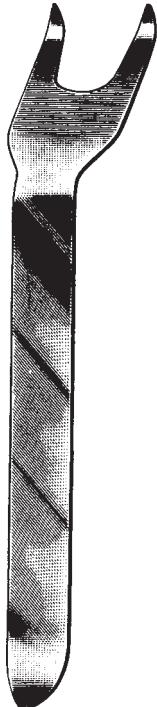
Knochenhebel  
Bone Levers  
Elevadores para huesos  
Elevatori per ossa



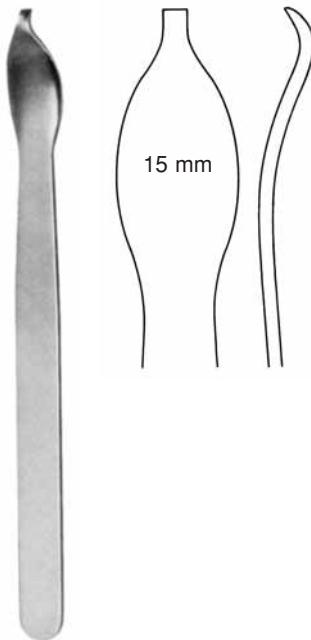
Hohmann Mini  
33818-08  
16 cm, 6 1/4"



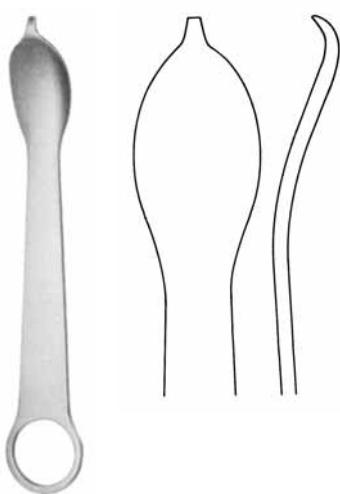
BLOUNT  
33823-26  
26 cm, 10 1/4"



BLOUNT  
33825-26  
26 cm, 10 1/4"

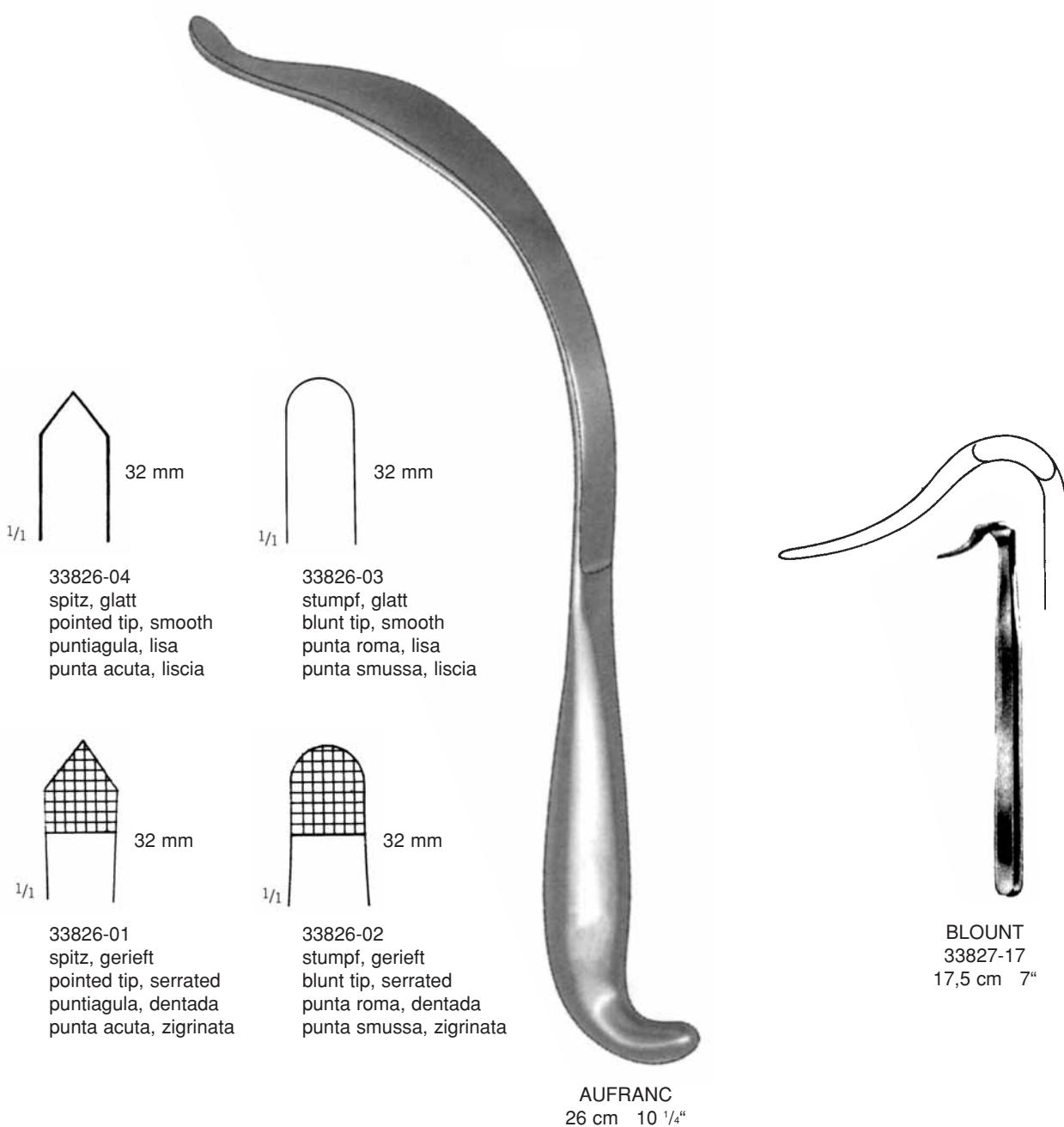


33812-16  
16 cm, 6 1/4"



33813-12  
12 cm, 4 3/4"

Knochenhebel, Meniskushaken  
Bone Levers, Meniscus Retractors  
Elevadores p. huesos, Separadores para menisco  
Elevatori per ossa, Divaricatori per il menisco



Knochenhebel  
Bone Levers  
Elevadores p. huesos  
Elevatori per ossa

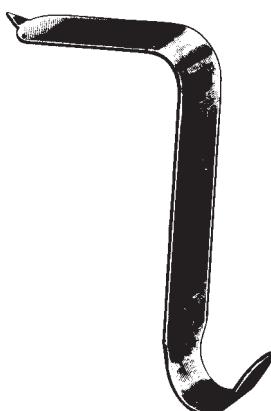


LANE TRETHOWAN  
33828-21  
21,5 cm 8 1/2"

LANE  
33829-25  
25,5 cm 10"

BRISTOW  
33830-23  
23 cm 9"

Knochenhebel, Meniskushaken  
Bone Levers, Meniscus Retractors  
Elevadores p. huesos, Separadores para menisco  
Elevatori per ossa, Divaricatori per il menisco



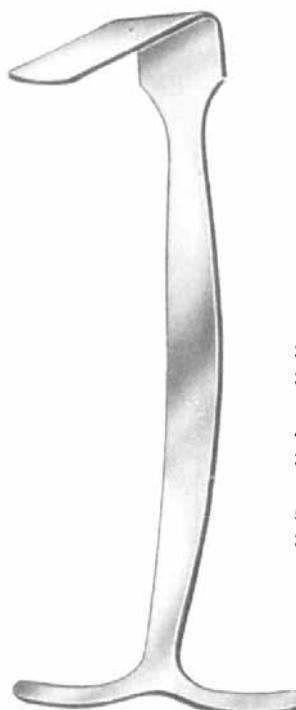
TAYLOR  
16,5 cm, 6 1/2"  
33831-16 75 x 30 mm  
33833-16 100 x 30 mm



12 x 13 mm  
33832-01



52 x 13 mm  
33832-02



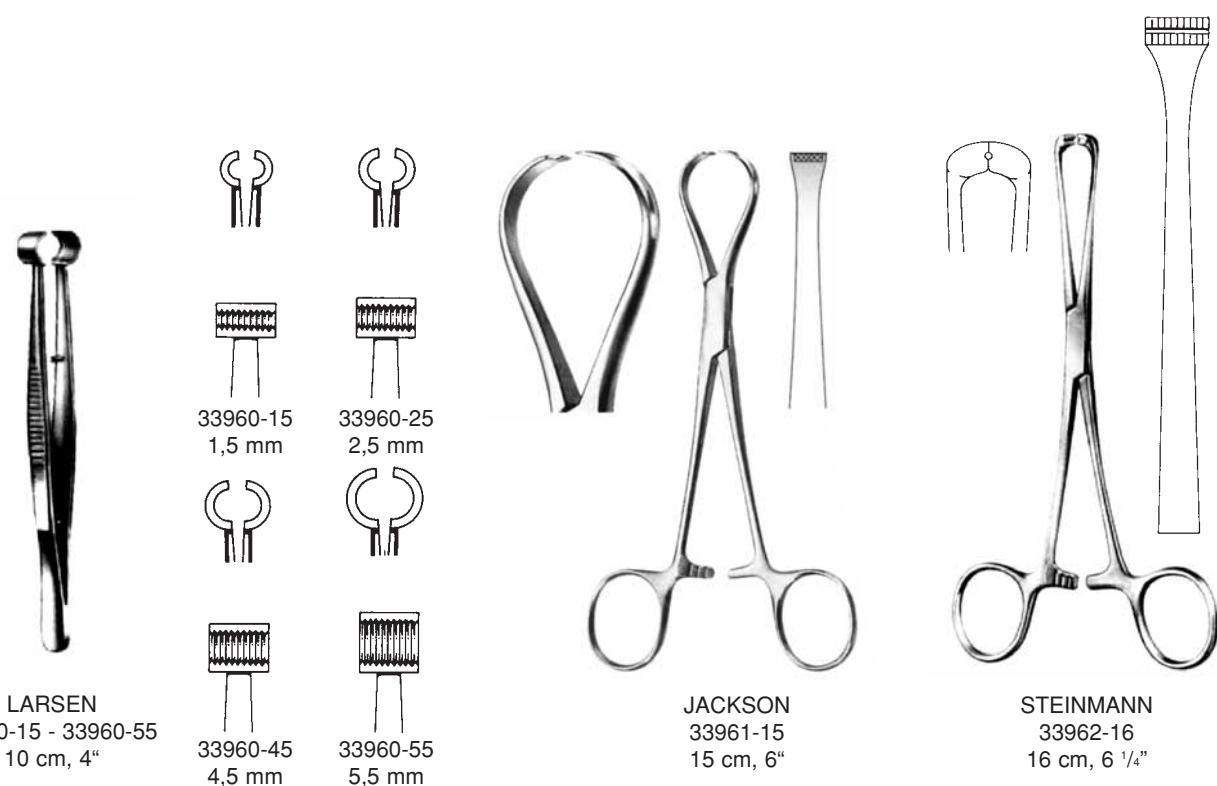
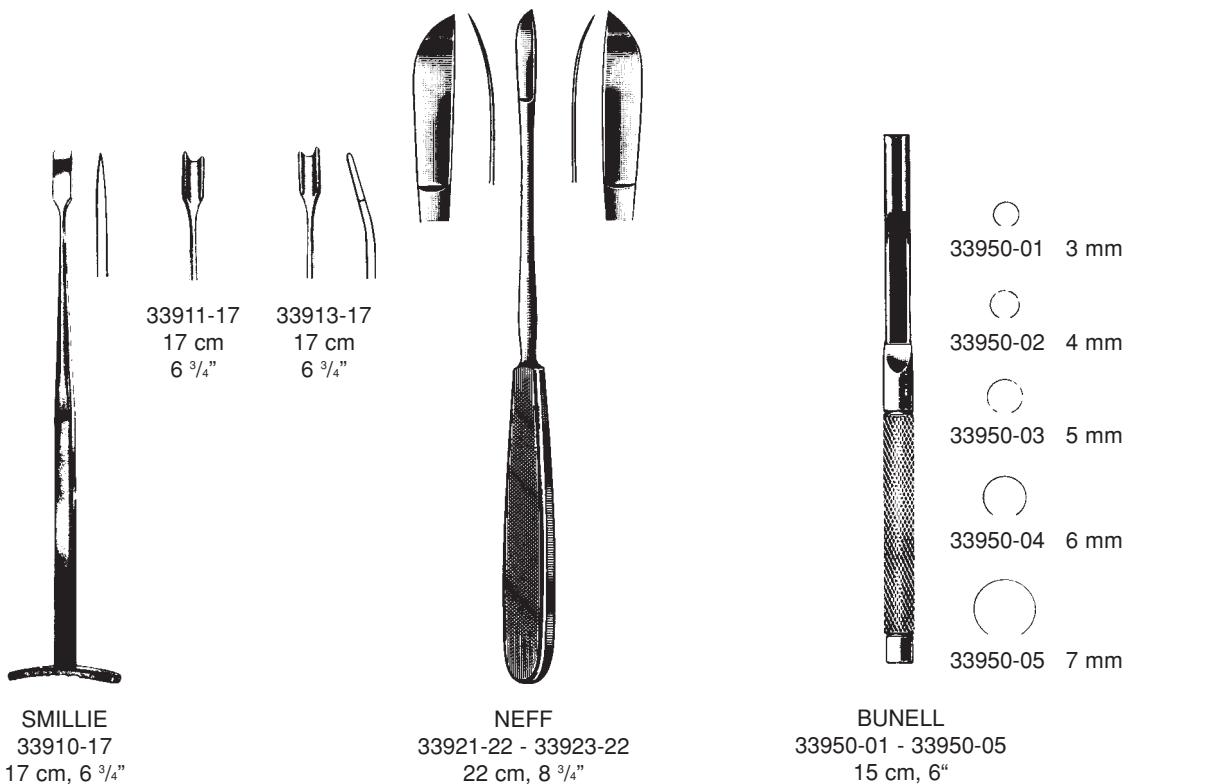
32 x 19 mm  
33832-03

48 x 19 mm  
33832-04

57 x 19 mm  
33832-05

SMILLIE  
14 cm, 5 1/2"

Sehnenschäler, Sehnenfaßpinzette, Sehnenhaltezange, Sehnenfaßinstrumente  
 Tendon seizing instruments  
 Instrumentos para coger tendones  
 Enucleatore di tendine, Strumenti per afferrare tendini



Sehnenfaßinstrumente, Sehnenführer  
 Tendon seizing instruments, Tendon passing instr.  
 Instrumentos para coger tendones, Instrumento p. el tunel del tendon  
 Strumenti per afferrare tendini



33963-12  
 12 cm, 4 3/4"



BRAND  
 33964-15 - 33964-24



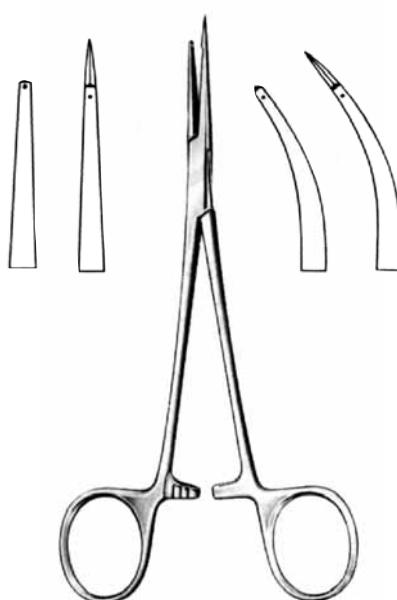
33964-24  
 24 cm, 9 1/2"



BRAND  
 33965-15 15 cm, 6"  
 33965-19 19 cm, 7 1/2"  
 33965-24 24 cm, 9 1/2"



CAROLL  
 33966-11  
 11 cm, 4 3/8"

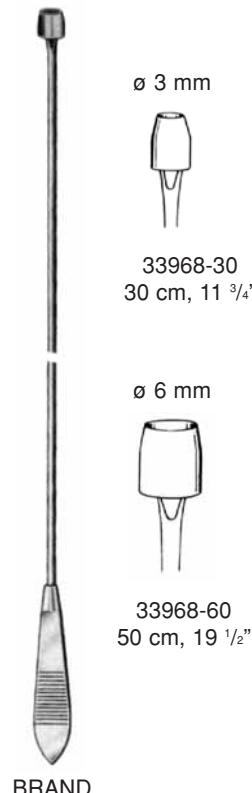


33966-15 15 cm, 6" 33967-15

Sehnenfassinstrumente, Sehnenstripper, Knochenfeilen, Raspeln  
 Tendon seizing instruments, Tendon Strippers, Bone Files, Rasps  
 Instrumentos para coger tendones, Enucleadores de tendones, Limas, Escofinas  
 Strumenti per afferrare tendini, Scollatendini, Lime per ossa, Raspe



KLEINERT-KUTZ  
 33967-20  
 20 cm, 8"



ø 3 mm  
 33968-30  
 30 cm, 11 3/4"

ø 6 mm

33968-60  
 50 cm, 19 1/2"

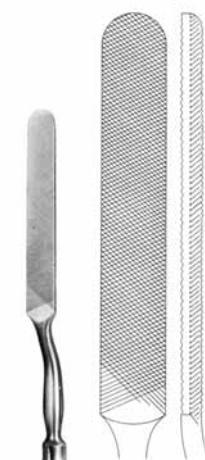
biegsam  
 malleable  
 maleables  
 malleabile

BUNELL  
 33969-18 18 cm, 7"  
 33969-23 23 cm, 9"



biegamer Schaft  
 Flexible shaft  
 Vóstago maleable  
 camicia flessibile

BUNELL 23 cm  
 33970-01 ø 4,0 mm  
 33970-02 ø 4,5 mm  
 33970-03 ø 5,5 mm

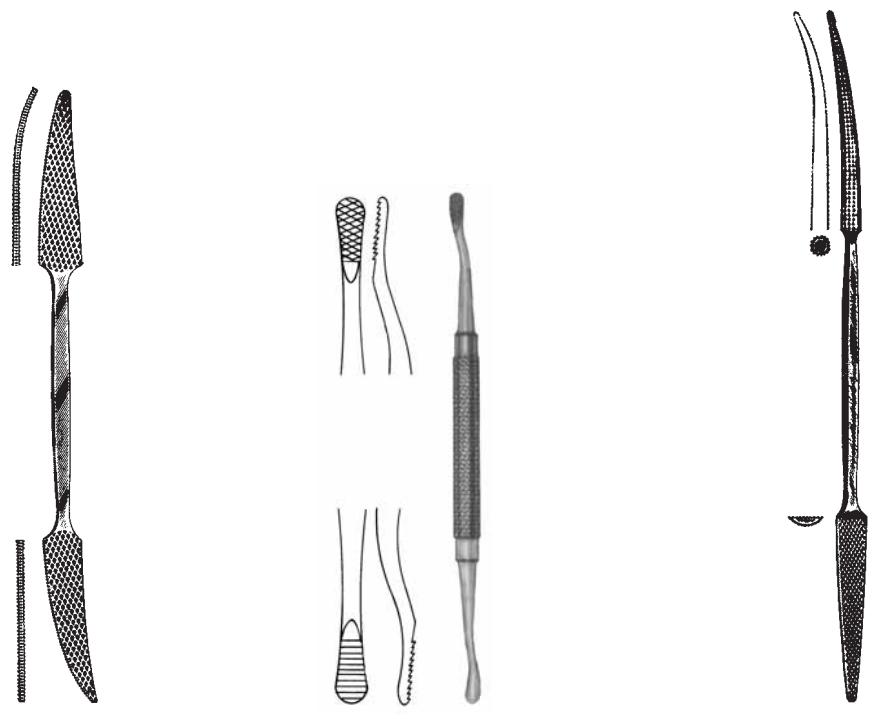


33971-24  
 24,5 cm, 9 3/4"



33972-22  
 22 cm, 8 3/4"

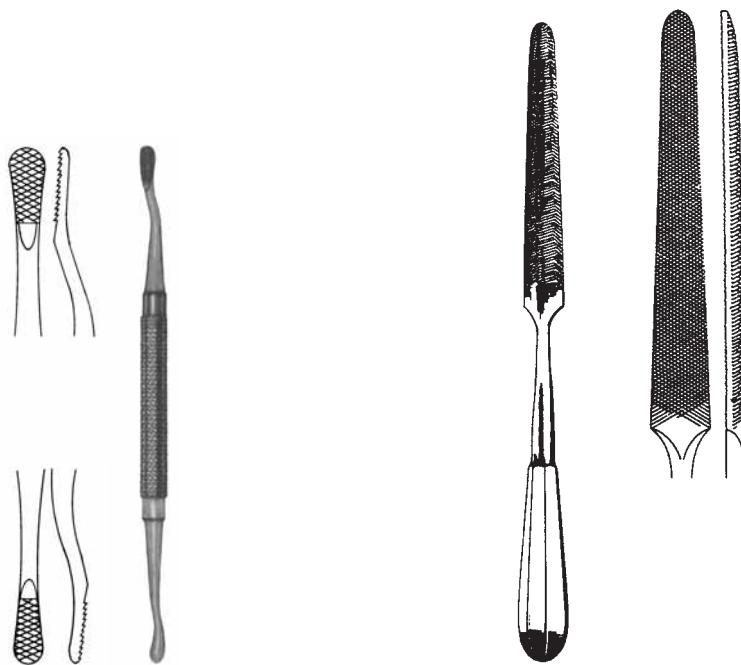
Sehnenfassinstrumente, Sehnenstripper, Knochenfeilen, Raseln  
 Tendon seizing instruments, Tendon Strippers, Bone Files, Rasps  
 Instrumentos para coger tendones, Enucleadores de tendones, Limas, Escofinas  
 Strumenti per afferrare tendini, Scollatendini, Lime per ossa, Raspe



PUTTI  
33973-27  
27 cm, 10 1/2"

33974-18  
18 cm, 7"

PUTTI  
33975-30  
30 cm, 11 3/4"



33976-18  
18 cm, 7"

33977-28  
28 cm, 11"

Komprimeter  
Pneumatic Tourniquet  
Torniquete pneumático  
Apparecchio di compressione



34101-01  
compl.

Gerät zur Erzeugung von Blutleere in den Gliedmaßen  
Compression Apparatus for producing blood vacuum in limbs  
Aparato de compresión para producir el vacío de sangre en los miembros  
Vacumentro per determinare vuoti di sangue nelle membra

34101-02  
Pumpe  
Air Pump  
Bomba de aire  
Pompa di aria

34101-03  
Manometer  
Manometer  
Manómetro  
Manometro

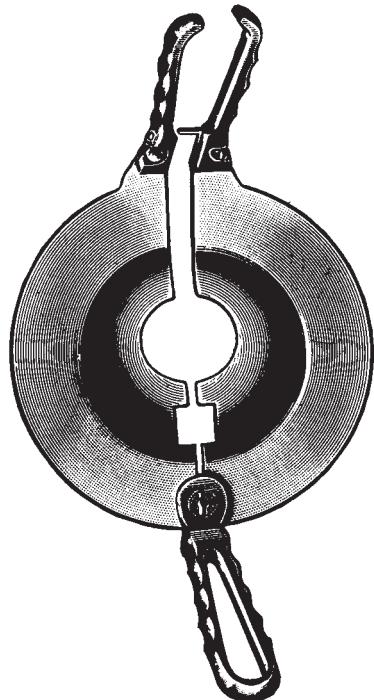
34101-04  
Oberarmmanschette  
Cuff for upper arm  
Brazalete (brazo)  
Bracciale  
34101-06 incl.

34101-05  
Oberschenkelmanschette  
Cuff (leg)  
Brazalete (pierna)  
Cosciale  
34101-07 incl.

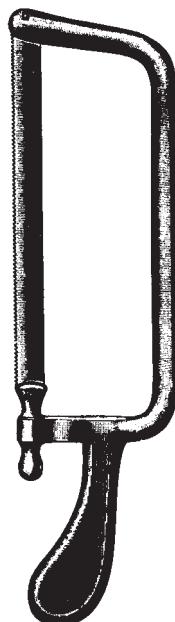
34101-06  
Polster für Oberarmmanschette 46 x 6 cm (18" x 2.4")  
Bandage cuff for arm 46 x 6 cm (18" x 2.4")  
Brazalete para brazo 46 x 6 cm (18" x 2.4")  
Bracciale per braccio superiore 46 x 6 cm (18" x 2.4")

34101-07  
Polster für Oberschenkelmanschette 55 x 10 cm (21 1/2 x 10")  
Bandage cuff for leg 55 x 10 cm (21 1/2 x 10")  
Brazalete para el fémur 55 x 10 cm (21 1/2 x 10")  
Bracciale per coscia superiore 55 x 10 cm (21 1/2 x 10")

Amputations- und Resektionssägen  
Amputation and Resection Saws  
Sierras para amputación y resección  
Seghe per amputazione e resezione



PERCY  
34110-00



CHARRIERE  
34112-00

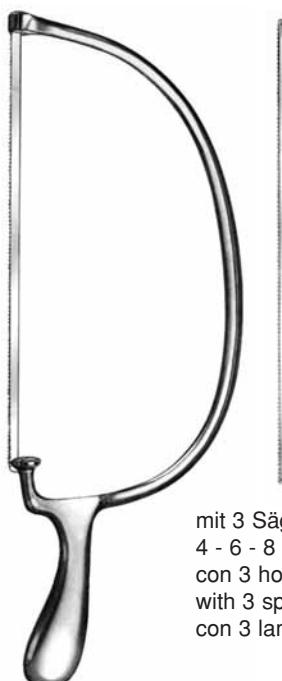
34112-01  
12 mm

Ersatzsägeblätter  
Spare saw blades  
Hojas de sierra de  
repuesto  
Lame di ricambio

34112-02  
15 mm

Ersatzsägeblätter  
Spare saw blades  
Hojas de sierra de  
repuesto  
Lame di ricambio

komplett mit 2 Blättern  
complete with 2 blades  
completo con 2 hojas  
completa con 2 lame

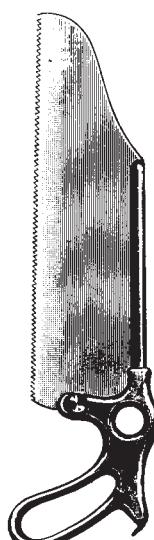


mit 3 Sägeblätter  
4 - 6 - 8 mm  
con 3 hojas de recambio  
with 3 spare blade  
con 3 lame di ricambio

BIER  
34114-39  
40,5 cm, 16"



CHARRIERE  
34116-30  
30 cm, 11 3/4"

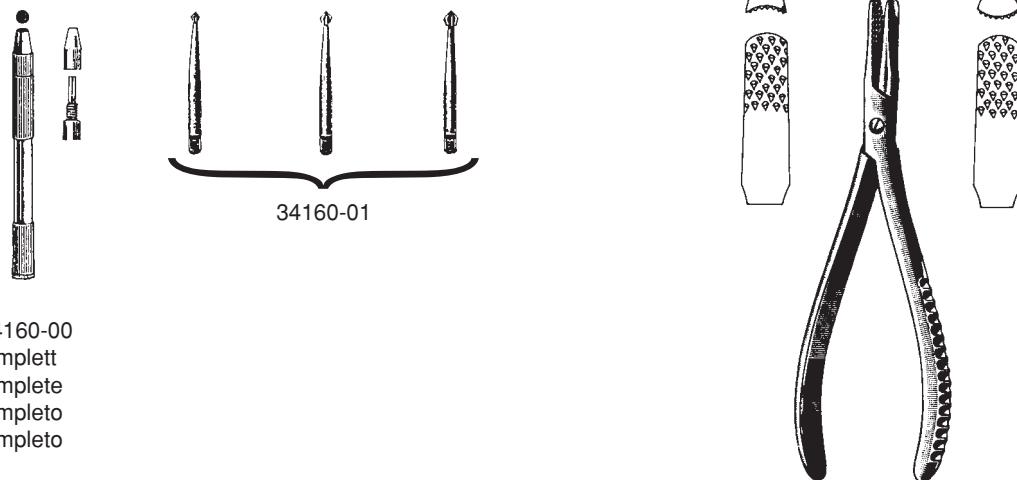


SATTERLEE  
34118-31  
31 cm, 12 1/4"

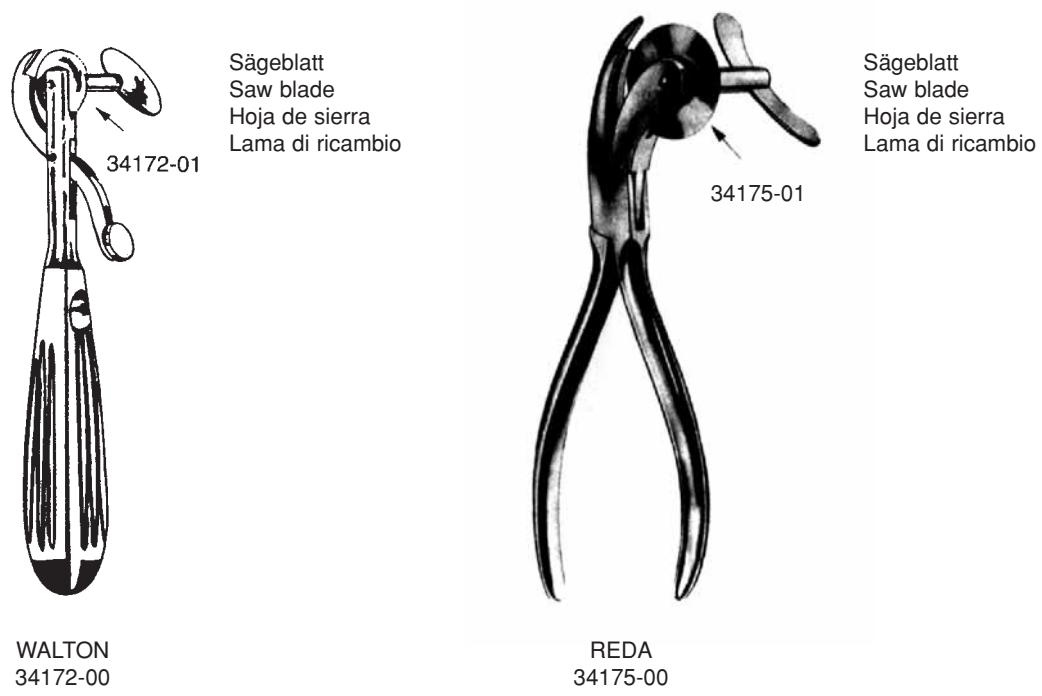


LANGENBECK  
34120-23  
23 cm, 9"

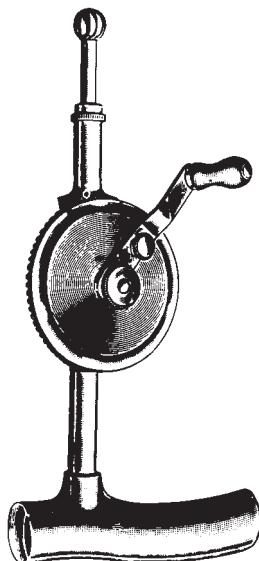
Fingernagelbohrer, Nagelausreißzange, Fingerringsägen  
 Finger nail drill, Fcps. f. tearing out finger nails, Finger Ring Saws  
 Perforadores para uñas, Pinzas para arrancar uñas, Sierras para abrir anillos  
 Perforatore per unghie, Pinze per lacerazione delle unghie, Seghe per anelli



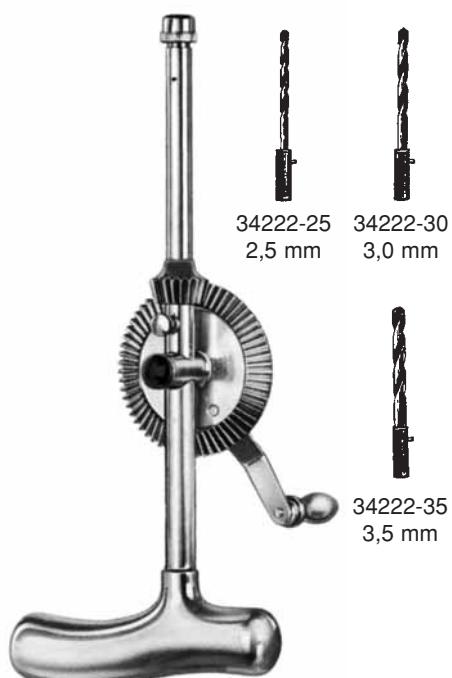
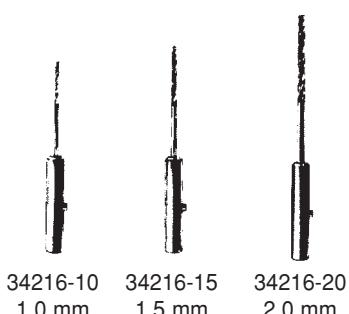
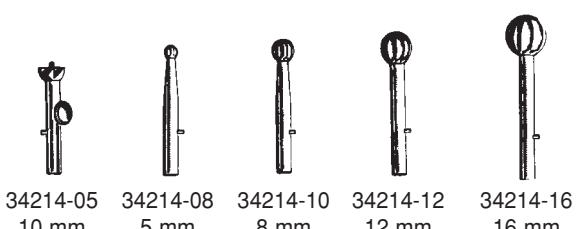
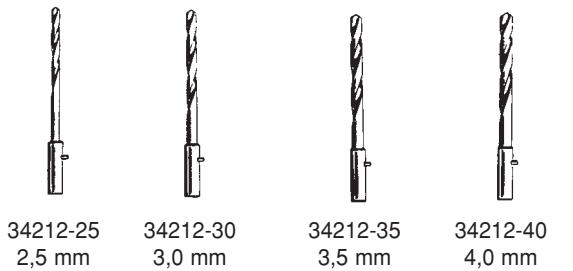
RADOLF  
 34161-13 13,5 cm, 5 1/4" 3 mm  
 34162-13 13,5 cm, 5 1/4" 6 mm



Bohrapparate  
Bone Hand Drills  
Perforadores óseos manuales  
Perforatori a mano



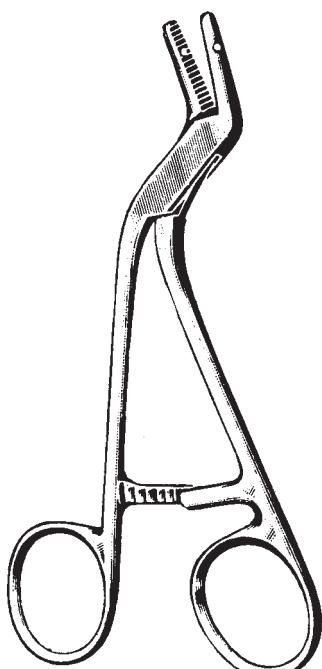
STILLE  
34210-20 20 cm, 8"  
compl. incl. 34212-25 - 34214-16



STILLE-SHERMAN  
34220-24 24 cm, 9 1/2"  
compl. incl. 34222-25 - 34222-35



MOORE  
34230-28 28 cm, 11"  
compl. incl. 34232-00



ADSON  
34231-15  
15 cm, 6"

Bohrapparate  
Bone Hand Drills  
Perforadores óseos manuales  
Perforatori a mano

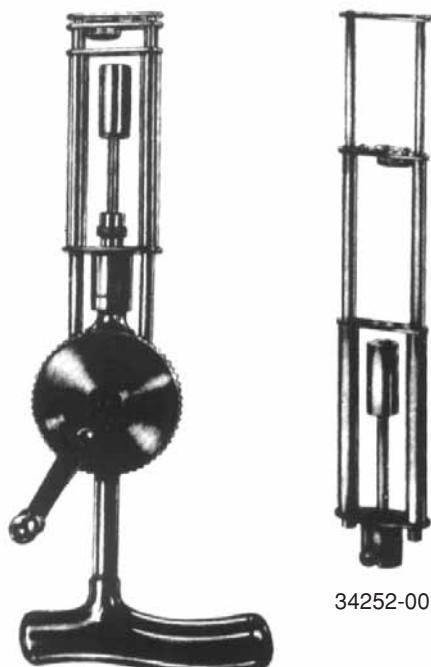


34241-00  
Griff allein  
Handle only  
Mango solo  
Manico solo

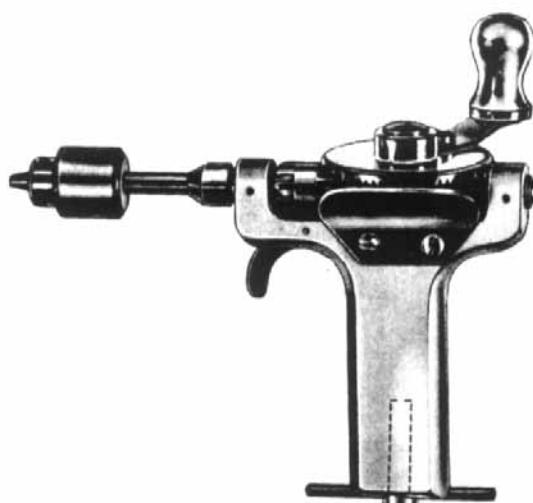
HUDSON  
34240-27 27 cm, 10 1/2"  
compl. incl. 34242-09, -14, -16, -22,  
34246-00



|          |        |                                             |                               |                                  |                                                                                                  |
|----------|--------|---------------------------------------------|-------------------------------|----------------------------------|--------------------------------------------------------------------------------------------------|
| 34243-02 | Ø 2 mm | CUSHING<br>34244-10<br>34244-14<br>34244-16 | ERRICO<br>34244-17<br>Ø 16 mm | MC KENZIE<br>34248-00<br>Ø 13 mm | 34246-00<br>Verlängerungsstück<br>Extension piece<br>Pieza alargadera<br>Giunto di prolungamento |
|----------|--------|---------------------------------------------|-------------------------------|----------------------------------|--------------------------------------------------------------------------------------------------|



KIRSCHNER  
34250-00 compl.



BUNELL  
34270-00 16 cm, 6 1/4"

Bohrapparat 16 cm (6 1/4"), längsdurchbohrt mit Dreibackenspannfutter und Schlüssel, Spannweite bis 4 mm

Hand drill, 16 cm (6 1/4"), longitudinally bored, with three-jaw-chuck and key, opening up to 4 mm

Perforador manual, 16 cm (6 1/4"), taladrado longitudinalmente, con mandril de tres mordazas y llave, abriendo hasta 4 mm

Perforatore a mano, 16 cm (6 1/4"), con perforazione assiale, con mandrino a tre ganasce e chiave, apertura fino a 4 mm di D.

Bohrapparate, Handgriffe  
Bone Hand Drills, Handles  
Perforadores óseos manuales  
Perforatori a mano, manici



RALK  
34280-00



REDA  
34290-00



34295-00



34296-00

Spannschlüssel allein  
Key only  
Llave suelta  
Chiave solo

Handgriff mit Jacobs-  
spannfutter und  
Spannschlüssel  
Handle with Jacobs chuck  
and key  
Mango con cierre Jacobs,  
de 3 mordazas y llave  
Manico con mandrino di  
Jacobs e chiave

Bohrapparat mit Leichtmetallgehäuse, mit Dreibackenspannfutter und Schlüssel, Spannweite bis D. 6,35 mm  
Hand drill with light metal case, with three-jaw-chuck and key, opening up to D. 6,35 mm  
Perforador manual con caja de aluminio, con mandril de tres mordazas y llave, abriendo hasta 6,35 mm de D.  
Perforatore a mano con cassa in metallo leggero, con mandrino a tre ganasce e chiave, apertura fino a 6,35 mm di D.

Handbohrapparat mit umstellbarem Handgriff, mit Jacobs Dreibackenspannfutter und Schlüssel  
Hand drill with adjustable handle, with Jacobs three-jaw-chuck and wrench  
Perforador de mano en T con cierre Jacobs de 3 mordazas y llave de ajuste  
Perforatore a mano con manico regolabile, con mandrino a tre ganasce di Jacobs e chiave



34296-05

T-Handgriff, verriegelbares schlüssellooses Dreibacken- spannfutter, rostfrei  
T-handle, keyless locking chuck  
Mango en T, mordaza sin llave, inox.  
Chiave a T con mandrino a tre ganasce inox



34296-10

Handgriff, Dreibacken- spannfutter, inkl. Spann- schlüssel rostfrei  
Handle with chuck, including key  
Mango, mordaza incluyendo llave, inox.  
Mandrino a tre ganasce con manico recto completo di chiave di arresto inox



34296-15

"Hudson" T-Handgriff, Schnellkupplung  
Hudson T-handle with fast gripping chuck  
Mango en T, acople rápido  
Hudson: mandrino con manico a T  
Ganasce con raccordo rapido



34296-20

Schnellkupplungs T-Handgriff, groß  
T-handle with fast gripping chuck, large  
Mango en T, acople rápido, grande  
Mandrino a T manico grande  
Raccordo rapido

Schnellkupplungs-Handgriffe, Bohrapparat elektr.  
 Handles with quick action chuck, Bone drill electr.  
 Perforador electrico y mangos de acople rápido  
 Manici con attacci rapidi, Perforatori electr.



34296-25  
 Schnellkupplungs-T-Handle  
 T-Handle, quick-action  
 Mango en T, acople rápido  
 Mandrino a T con raccordo rapido



34296-30  
 Schnellkupplungs-Handle groß mit Hartgewebegriff  
 Handle, quick-action, large,  
 handle made of very hard fibre  
 Mango de acople rápido,  
 grande, de material extraduro  
 Mandrino grande rapido con  
 manico a fibre dure



34296-35  
 Schnellkupplungs-Handle  
 mit Hartgewebegriff  
 Handle, quick-action,  
 made of very hard fibre  
 Mango de acople rápido,  
 de material extra-duro  
 Mandrino medio rapido con  
 manico o fibre dure



34296-40  
 Mini Schnellkupplungs-Handle  
 für „Dental“-Anschluß  
 Mini-Handle, quick-action,  
 "dental"  
 Mini-Mango de acople rápido  
 "dental"  
 Mini mandrino-rapido con  
 impugnatura cilindrica con  
 attacco dentale

Bohrer  
Drill bits  
Taladros  
Perforatore



Ø

|        |        |          |
|--------|--------|----------|
| 1,1 mm | 45 mm  | 34320-11 |
| 1,5 mm | 70 mm  | 34320-15 |
| 2,0 mm | 85 mm  | 34320-20 |
| 2,5 mm | 95 mm  | 34320-25 |
| 2,7 mm | 85 mm  | 34320-27 |
| 3,2 mm | 130 mm | 34320-32 |
| 3,5 mm | 100 mm | 34320-35 |
| 4,5 mm | 145 mm | 34320-45 |
| 5,0 mm | 132 mm | 34320-50 |
| 6,0 mm | 139 mm | 34320-60 |
| 7,0 mm | 156 mm | 34320-70 |



Ø

|        |        |          |
|--------|--------|----------|
| 3,2 mm | 180 mm | 34321-32 |
| 3,5 mm | 180 mm | 34321-35 |
| 4,0 mm | 180 mm | 34321-40 |
| 4,5 mm | 180 mm | 34321-45 |
| 5,0 mm | 180 mm | 34321-50 |
| 6,0 mm | 180 mm | 34321-60 |
| 6,5 mm | 180 mm | 34321-65 |
| 7,0 mm | 180 mm | 34321-70 |

Spiralbohrer mit Glattschaft  
Twist Drills with round end  
Taladros espirales con vástago redondo  
Perforatore elicoidale

Spiralbohrer mit Glattschaft, langes Modell  
Twist Drills, long typ  
Taladros espirales, largos  
Perforatore elicoidale, modello lungo



Ø

|        |        |          |
|--------|--------|----------|
| 1,1 mm | 60 mm  | 34322-11 |
| 1,5 mm | 85 mm  | 34322-15 |
| 2,0 mm | 100 mm | 34322-20 |
| 2,5 mm | 110 mm | 34322-25 |
| 2,7 mm | 100 mm | 34322-27 |
| 3,2 mm | 145 mm | 34322-32 |
| 3,5 mm | 100 mm | 34322-35 |
| 4,5 mm | 145 mm | 34322-45 |



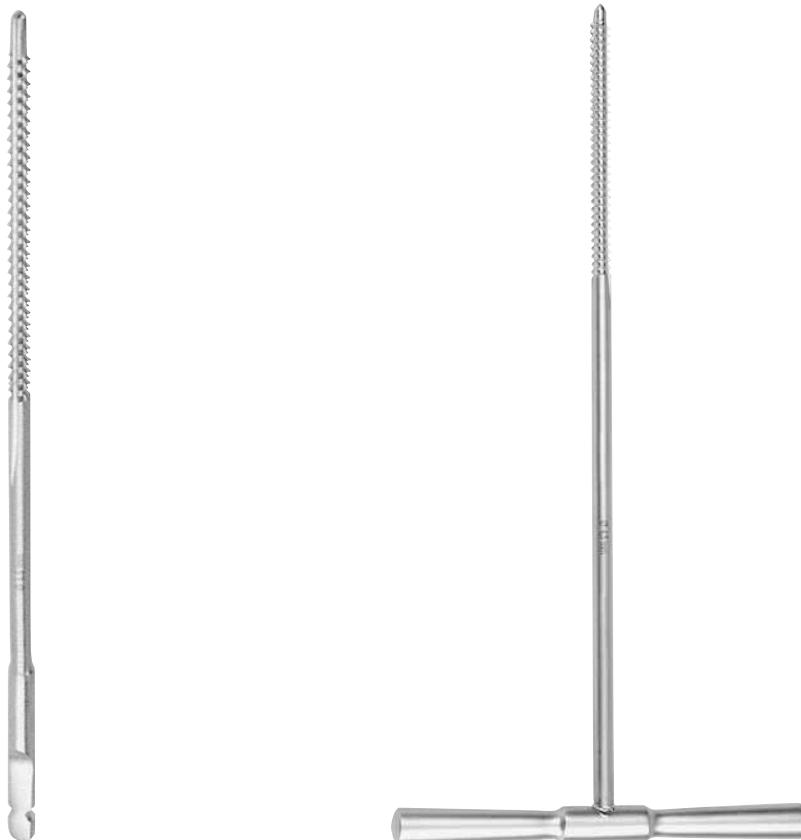
Ø

|        |        |          |
|--------|--------|----------|
| 3,2 mm | 195 mm | 34323-32 |
| 3,5 mm | 195 mm | 34323-35 |
| 4,5 mm | 195 mm | 34323-45 |

Spiralbohrer mit Schnellkupplungs-Ansatz  
Twist Drills, quick-action  
Taladros espirales, acople rápido  
Perforatore elicoidale con attacco rapido

Spiralbohrer mit Schnellkupplungs-Ansatz, langes Modell  
Twist Drills, quick-action, long typ  
Taladros espirales, acople rápido, largos  
Perforatore elicoidale con attacco rapido, modello lungo

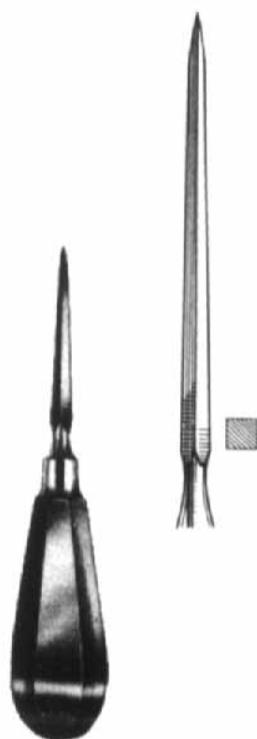
Gewindeschneider  
Tap  
Terraja p torn  
Maschio per vite



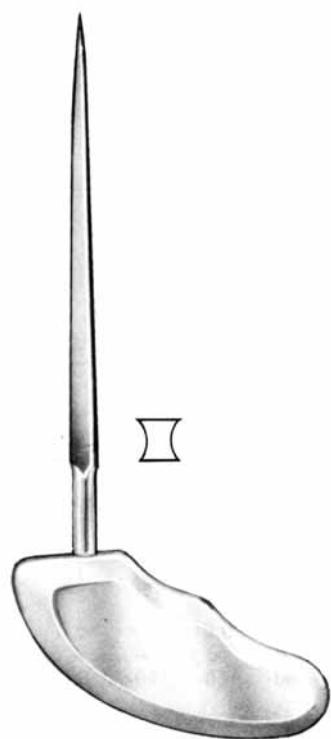
|        |              |
|--------|--------------|
| 1,5 mm | 34330-15/38  |
| 1,5 mm | 34330-15/50  |
| 2,0 mm | 34330-20/38  |
| 2,0 mm | 34330-20/54  |
| 2,7 mm | 34330-27     |
| 3,5 mm | 34330-35/125 |
| 3,5 mm | 34330-35/175 |
| 4,0 mm | 34330-40     |
| 4,5 mm | 34330-45     |
| 4,5 mm | 34330-45 S   |
| 4,5 mm | 34330-45 L   |
| 6,5 mm | 34330-65     |

|        |              |
|--------|--------------|
| 2,7 mm | 34331-27     |
| 3,5 mm | 34331-35/125 |
| 3,5 mm | 34331-35/175 |
| 4,5 mm | 34331-45     |
| 6,5 mm | 34331-65     |

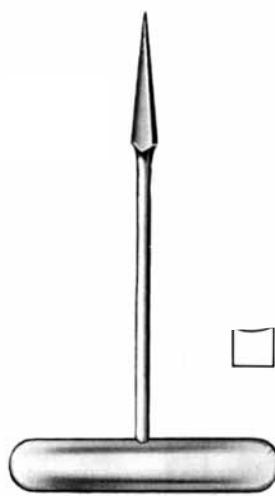
Pfrieme  
Awl  
Escariadores  
Lesine



34392-14  
14 cm, 5 1/2"



PERTHES  
34393-21  
21 cm, 8 1/4"

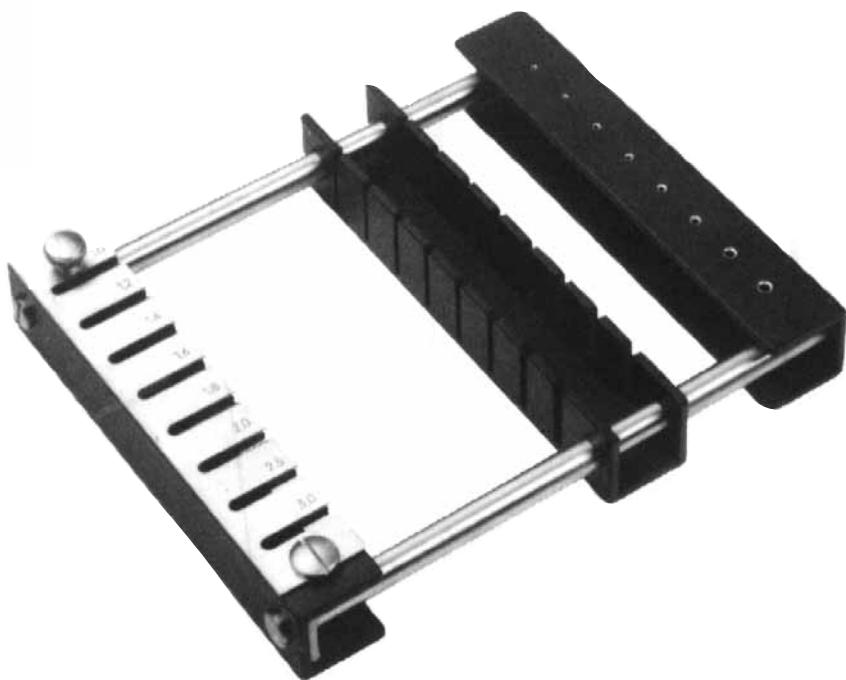


34394-14  
14 cm, 5 1/2"

Faßpinzette, Bohrdrahtspender  
Grasping forceps, Support for sterilisation  
Pinzas para coger, Soporte de esterilización  
Pinze per afferrare, Supporto per la sterilizzazione



34439-00



Bohrdrahtspender für Kirschner-Drähte  
Support for sterilisation of Kirschner wires  
Soporte de esterilización p. alambres de Kirschner  
Supporto per la sterilizzazione dei fili di Kirschner

34440-01 bis 15 cm – up to 15 cm (6") – hasta 15 cm – fino a 15 cm  
34440-02 bis 31 cm – up to 31 cm (12 1/4") – hasta 31 cm – fino a 31 cm  
34440-03 bis 10 cm – up to 10 cm (4") – hasta 10 cm – fino a 10 cm

Bohrdrahtspender  
 K-Wire Dispenser  
 Dispensador para brocas filiformes  
 Distributore per fili

31 cm, 12 1/4"

33 cm, 13"



16 cm, 6 1/4"



17 cm, 6 3/4"



12 cm, 4 3/4"



|          |        |
|----------|--------|
| 34450-08 | 0,8 mm |
| 34450-10 | 1,0 mm |
| 34450-12 | 1,2 mm |
| 34450-14 | 1,4 mm |
| 34450-15 | 1,5 mm |
| 34450-18 | 1,8 mm |
| 34450-20 | 2,0 mm |
| 34450-22 | 2,2 mm |
| 34450-25 | 2,5 mm |
| 34450-30 | 3,0 mm |

|          |        |
|----------|--------|
| 34460-08 | 0,8 mm |
| 34460-10 | 1,0 mm |
| 34460-12 | 1,2 mm |
| 34460-14 | 1,4 mm |
| 34460-15 | 1,5 mm |
| 34460-16 | 1,6 mm |
| 34460-18 | 1,8 mm |
| 34460-20 | 2,0 mm |
| 34460-22 | 2,2 mm |
| 34460-25 | 2,5 mm |
| 34460-30 | 3,0 mm |

|          |        |
|----------|--------|
| 34470-08 | 0,8 mm |
| 34470-10 | 1,0 mm |
| 34470-12 | 1,2 mm |
| 34470-14 | 1,4 mm |
| 34470-15 | 1,5 mm |
| 34470-16 | 1,6 mm |
| 34470-18 | 1,8 mm |
| 34470-20 | 2,0 mm |
| 34470-22 | 2,2 mm |
| 34470-25 | 2,5 mm |
| 34470-30 | 3,0 mm |

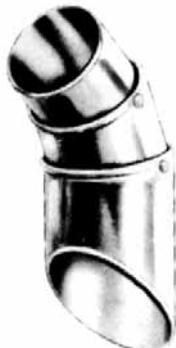
Mehrfach Bohrdrahtspender  
 K-wire dispenser multiple  
 Dispensador de brocas filiformes múltiple  
 Distributore per multiplo fili

34461-16 16 cm (1,0 / 1,2 / 1,4 / 1,6 mm)  
 34461-25 16 cm (1,8 / 2,0 / 2,2 / 2,5 mm)  
 34471-16 31 cm (1,0 / 1,2 / 1,4 / 1,6 mm)  
 34471-25 31 cm (1,8 / 2,0 / 2,2 / 2,5 mm)

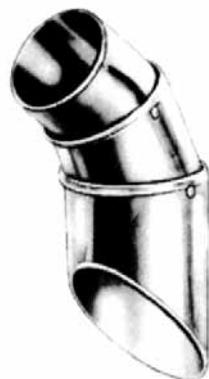
Fingerschützer, Drahtgeflecht  
Finger Protectors, Wire gauze  
Dedales, Gasa metálica  
Proteggidita, maglia metallica per estensione



34480-01



34480-02



34480-03

LANGENBECK  
34480-01 - 34480-03



34492-01  
klein / small / pequeño / stretto

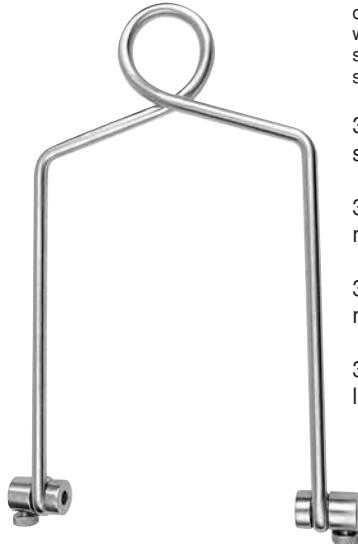
34492-02  
mittel / medium / mediano / medio

34492-03  
groß / large / grande / grande

34492-01 - 34492-03

sterilisierbar  
sterilizable  
esterilizable  
sterilizzabile

Extensionsbügel  
Extension Bows  
Estribos para extensión  
Archi per estensione



ohne Trokar  
without trocar  
sin trocar  
senza trocar

|                          |                               |                            |
|--------------------------|-------------------------------|----------------------------|
| 34502-09<br>small        | 9 x 7,5 cm<br>3 1/2" x 3"     | 34502-09 K<br>small        |
| 34502-16<br>medium       | 16 x 9 cm<br>6 1/4" x 3 1/2"  | 34502-16 K<br>medium       |
| 34502-21<br>medium large | 21 x 11 cm<br>8 1/4" x 4 3/8" | 34502-21 K<br>medium large |
| 34503-21<br>large        | 21 x 15 cm<br>8 1/4" x 6"     | 34503-21 K<br>large        |

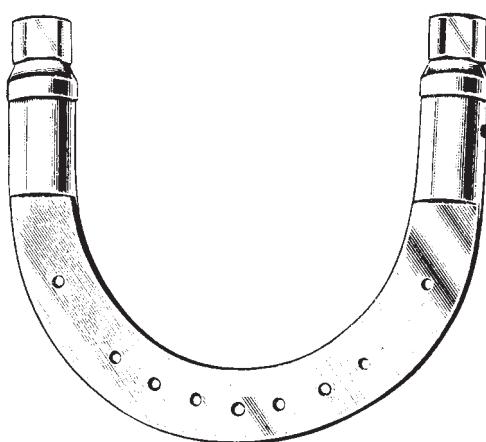
BÖHLER



KIRSCHNER  
mit 3 Zughaken  
with 3 hooks  
con 3 ganchos  
con 3 ganci per trazione

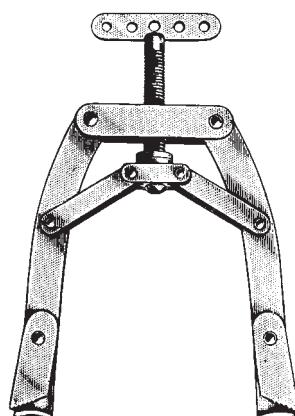
34514-18 40 - 140 mm x 115 mm

34514-27 60 - 220 mm x 175 mm



KIRSCHNER

|          |                |                 |
|----------|----------------|-----------------|
| 34515-09 | 9,5 x 7,0 cm   | 3 3/4" x 2 3/4" |
| 34515-10 | 9,5 x 11,0 cm  | 3 3/4" x 4 3/8" |
| 34515-11 | 10,5 x 10,0 cm | 4 1/4" x 4"     |
| 34515-12 | 12,0 x 12,0 cm | 4 3/4" x 4 3/4" |
| 34515-13 | 13,5 x 13,0 cm | 5 1/4" x 5 1/8" |
| 34515-15 | 15,5 x 15,5 cm | 6" x 6"         |
| 34515-20 | 20,0 x 15,5 cm | 8" x 6"         |



KIRSCHNER U.S.

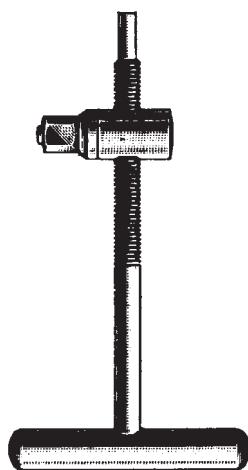
|          |                                                                |
|----------|----------------------------------------------------------------|
| 34518-01 | mittel, medium, mediano, max. 130 mm (5 1/8")                  |
| 34518-02 | groß, large, grande, grande, max. 185 mm (7 1/4")              |
| 34518-03 | extra groß, large extra long, muy grande, max. 220 mm (8 3/4") |

Mutternschlüssel, Spannschlüssel  
Screw nut wrench, Wire strainer  
Llave de tuercas, Tensor de taladros, alambres  
Chiave per madreviti, Strumenti tenditore

14 mm



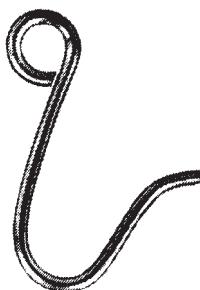
17 mm  
34515-01



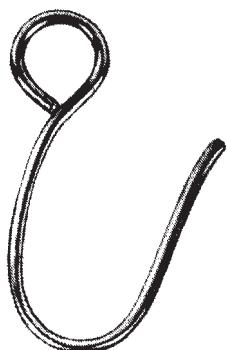
34515-02



11 mm  
34516-11  
Combination Wrench width  
across flats 11 mm



KIRSCHNER  
34519-01



KIRSCHNER  
34519-02

Knochendraht  
Bone wire  
Hilos para huesos  
Filo per ossa



weich, in Ringen zu 10 m (32,8 Feet)

soft, in coils of 10 m (32,8 Feet)

blando, de 10 m (32,8 Feet)

morbido, 10 m (32,8 Feet)

Material:

nichtrostender Implantatstahl

nach DIN 17443 (ISO 5832/1)

mm Ø

|          |     |
|----------|-----|
| 34520-02 | 0,2 |
| 34520-03 | 0,3 |
| 34520-04 | 0,4 |
| 34520-05 | 0,5 |
| 34520-06 | 0,6 |
| 34520-07 | 0,7 |
| 34520-08 | 0,8 |
| 34520-09 | 0,9 |
| 34520-10 | 1,0 |
| 34520-12 | 1,2 |
| 34520-15 | 1,5 |

Drahtumführungsneedeln, Drahtspanninstrumente  
Bone wire guides, Bone wire tighteners  
Agujas pasa-hilos, Tensor cierra-hilos  
Aghi passafili, Strumenti tendifili



DEMEL

27 cm, 10 1/2"

- Fig. 1 34528-01  
Fig. 2 34528-02  
Fig. 3 34528-03

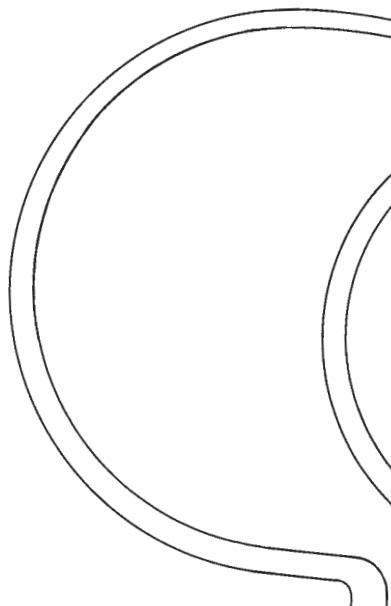


Fig. 1

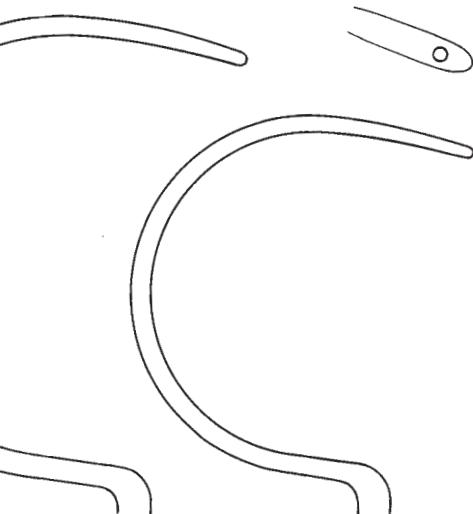
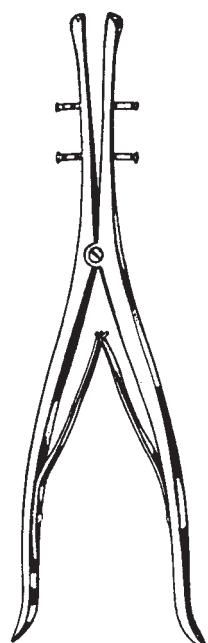
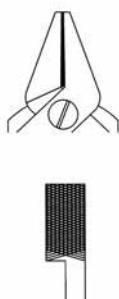


Fig. 2

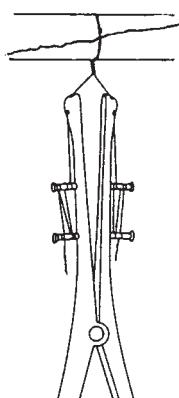
Fig. 3



34529-28 28 cm, 11"

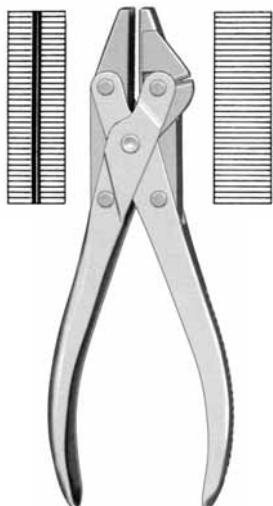


DEMEL  
34530-28 28 cm, 11"

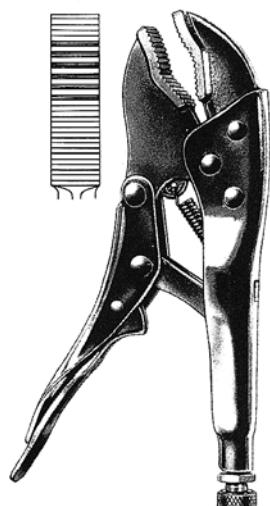


LOUTE  
34531-21 21 cm, 8 1/4"

Flachzangen, Faßzangen  
Flat Nose Pliers, Seizing Forceps  
Alicates planos, Pinzas para coger alambres  
Tenaglie piatte, Tenaglie per afferrare



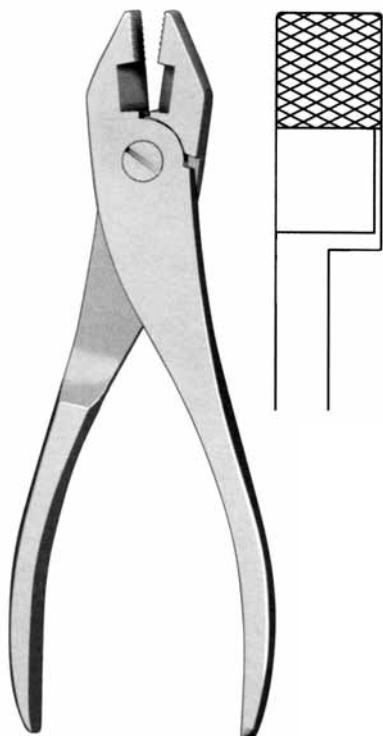
17 cm, 6  $\frac{3}{4}$ "  
34533-17 INOX



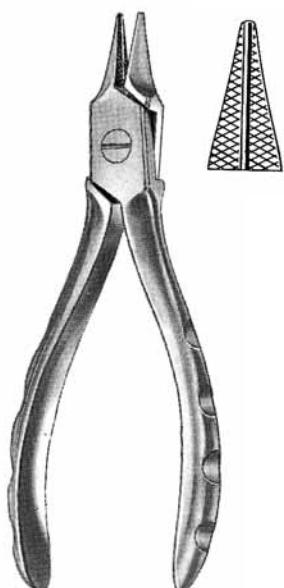
GRIP  
18 cm, 7"  
34534-18 INOX



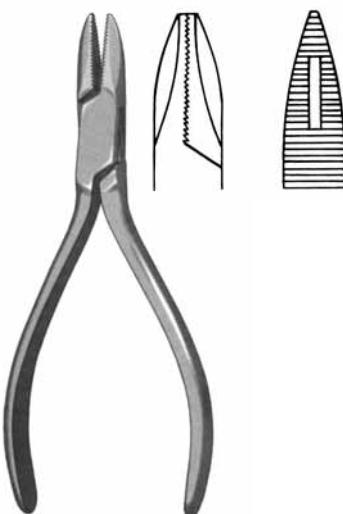
34534-15  
15 cm, 6"



34534-21  
21,5 cm, 8  $\frac{1}{2}$ "



34535-16  
16 cm, 6  $\frac{1}{4}$ "

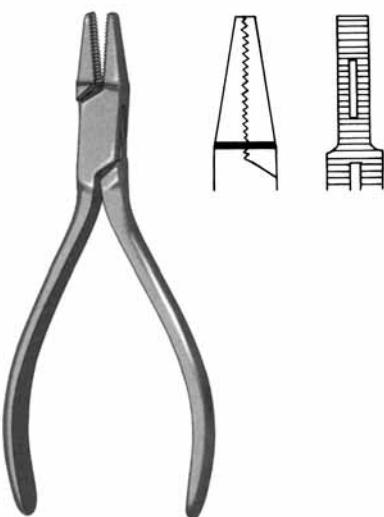


34536-02  
14 cm, 5  $\frac{1}{2}$ "

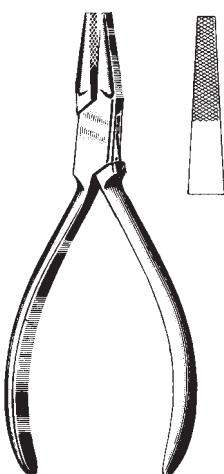
Flachzangen, Faßzangen  
Flat Nose Pliers, Seizing Forceps  
Alicates planos, Pinzas para coger alambres  
Tenaglie piatte, Tenaglie per afferrare



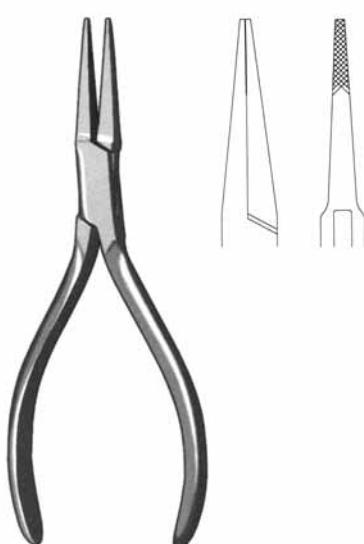
PIN PULLER  
34536-03  
14 cm, 5 1/2"



34536-05  
14 cm, 5 1/2"



34536-14  
14 cm, 5 1/2"

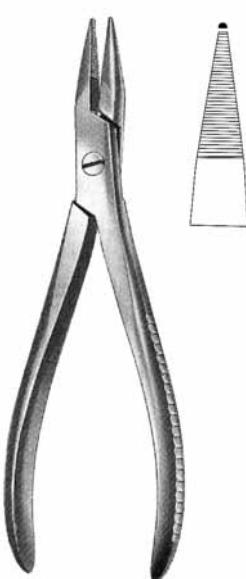


34536-15  
15 cm, 6"

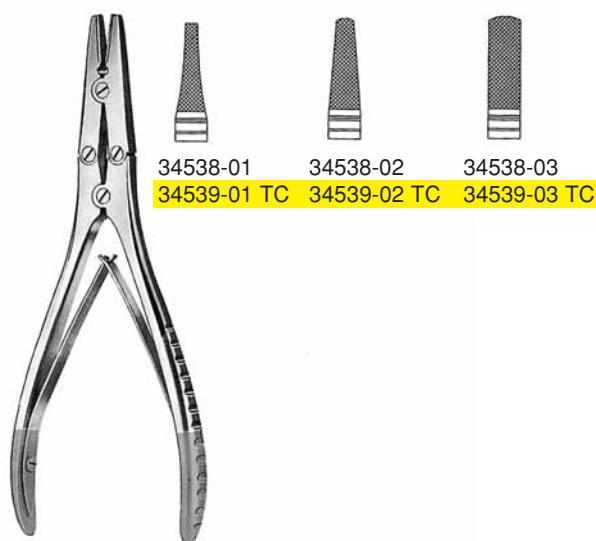
Flachzangen, Faßzangen  
Flat Nose Pliers, Seizing Forceps  
Alicates planos, Pinzas para coger alambres  
Tenaglie piatte, Tenaglie per afferrare



34537-14  
14 cm, 5 1/2"



34537-19  
19 cm, 7 1/2"



18 cm, 7"

Flachzangen, Drahtkneifzangen  
Flat Nose Pliers, Wire cutting Pliers  
Alicates planos, Alicates para cortar alambre  
Tenaglie piatte, Tenaglie tagliafili



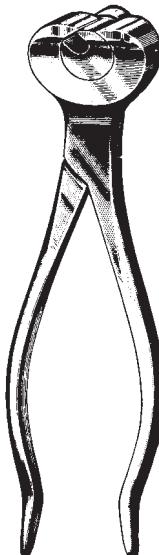
34540-01



34540-02



17 cm, 6 3/4"

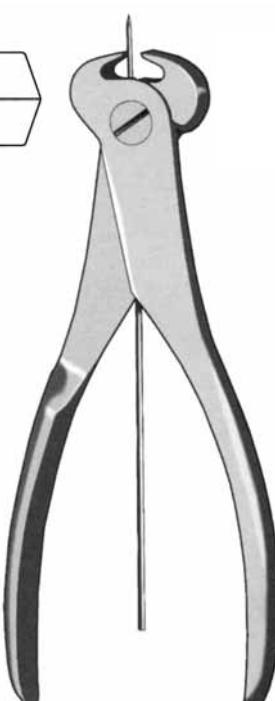


34540-16  
16 cm, 6 1/4"

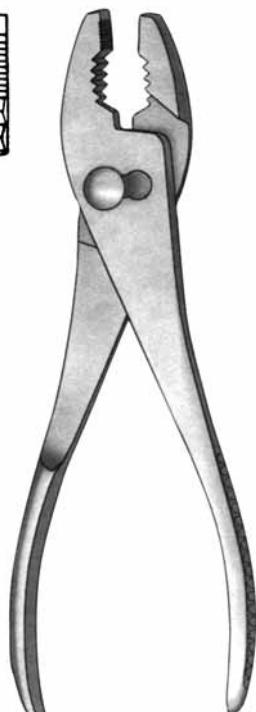
soft wire 2,0 mm  
hard wire 2,0 mm



34540-18  
18 cm, 7"



34540-19  
18 cm, 7"



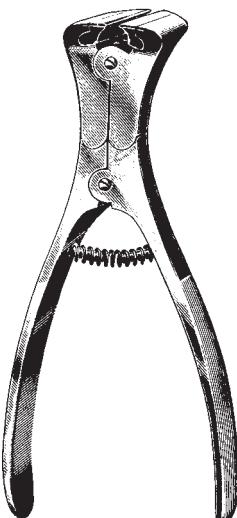
34540-20  
20 cm, 8"

Flachzangen, Drahtkneifzangen  
 Flat Nose Pliers, Wire cutting Pliers  
 Alicates planos, Alicates para cortar alambre  
 Tenaglie piatte, Tenaglie tagliafili



34541-23 23 cm, 9"

soft wire 3,0 mm  
 hard wire 2,2 mm



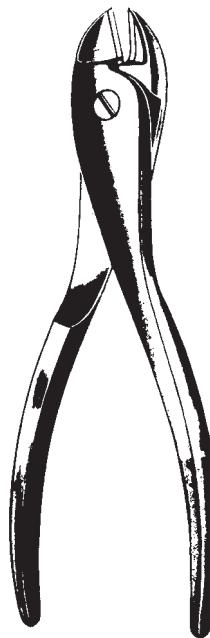
34542-15 TC 15 cm, 6"

Soft wire 2,0 mm  
 hard wire 1,5 mm



34543-23 23 cm, 9"

Soft wire 3,5 mm  
 hard wire 2,5 mm



34544-18 TC 18 cm, 7"

Soft wire 2,5 mm  
 hard wire 1,5 mm

Drahtkneifzangen, Drahtfaßzangen  
Wire Cutting Pliers, Wire Seizing Forceps  
Alicates para cortar alambre, Pinzas para coger alambre  
Tronchese taglienti, Tenaglie per afferrare i fili



für harten Draht bis  
2,2 mm Ø  
for hard wires up to  
2,2 mm Ø  
para hilos duros  
hasta 2,2 mm Ø  
per fili duri a  
2,2 mm Ø

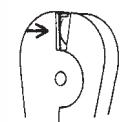
für weichen Draht bis  
2,5 mm Ø  
for soft wires up to  
2,5 mm Ø  
para hilos blandos  
hasta 2,5 mm Ø  
per fili dolci fino a  
2,5 mm Ø

für harten Draht bis 1,6 mm Ø  
for hard wires up to 1,6 mm Ø  
para hilos duros hasta 1,6 mm Ø  
per fili duri a 1,6 mm Ø

für weichen Draht bis 2,0 mm Ø  
for soft wires up to 2,0 mm Ø  
para hilos blandos hasta 2,0 mm Ø  
per fili dolci fino a 2,0 mm Ø



für weichen Draht bis  
2,0 mm Ø  
for soft wires up to  
2,0 mm Ø  
para hilos blandos  
hasta 2,0 mm Ø  
per fili dolci fino a  
2,0 mm Ø



für harten Draht bis  
1,6 mm Ø  
for hard wires up to  
1,6 mm Ø  
para hilos duros  
hasta 1,6 mm Ø  
per fili duri a  
1,6 mm Ø

34545-22 TC 22 cm, 10 1/2"

34546-16 16 cm, 6 1/4"  
34546-18 18 cm, 7"

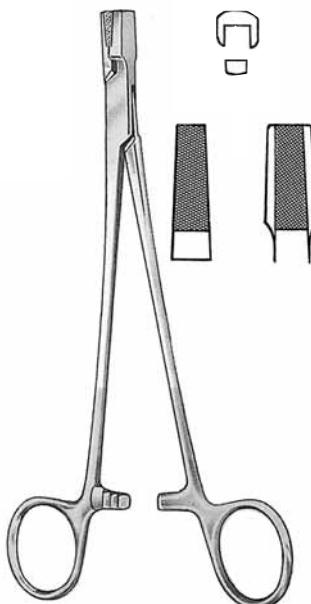
34548-18 18 cm, 7"



soft wire 1,5 mm  
hard wire 1,0 mm

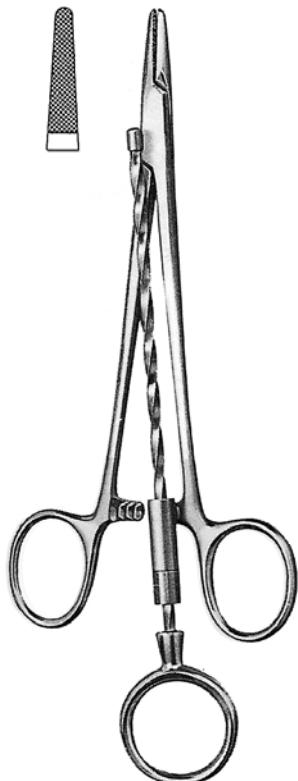


34549-14 14 cm, 5 1/2"  
34550-13 13 cm, 5 1/8"  
34550-18 18 cm, 7"



34551-17 17 cm, 6 3/4"

Drahtzangen  
Wire Twisting Forceps  
Pinzas para torcer hilos  
Pinza torcifili



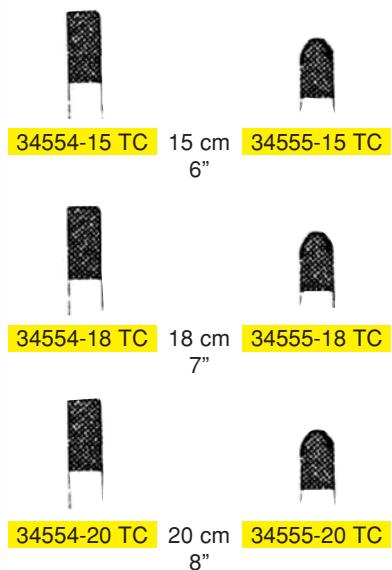
CORWIN-HEGAR  
34552-16 TC 16 cm, 6 1/4"



BERRY  
34556-18 TC 18 cm, 7"



MAYO-HABERISSER  
TC



34554-15 TC 15 cm 6"

34554-18 TC 18 cm 7"

34554-20 TC 20 cm 8"

34555-15 TC

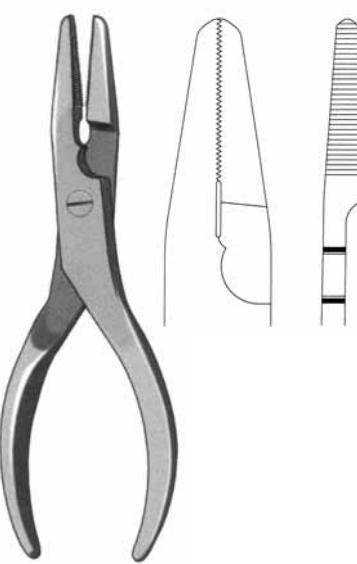
6"

34555-18 TC

7"

34555-20 TC

8"



34557-16  
16,5 cm, 6 1/2"

Drahtkneifzange für Draht bis 6 mm Ø  
 Pin cutter for pins up to 6 mm  
 Alicate para cortar clavos hasta 6 mm  
 Ghigliottina per tagliare fili fino a 6 mm



34557-30 30 cm, 11  $\frac{3}{4}$ "



34557-25 25 cm, 10"



34557-22 22 cm, 8  $\frac{3}{4}$ "



bis 2.2 mm  
 up to 2.2 mm  
 hasta 2.2 mm  
 a 2.2 mm



bis 6 mm  
 up to 6 mm  
 hasta 6 mm  
 a 6 mm

34558-32 32 cm, 12  $\frac{1}{2}$ "

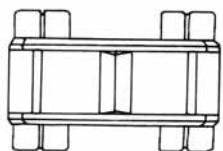
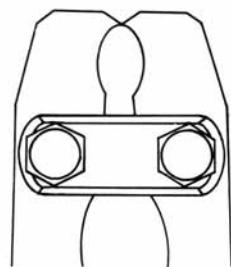
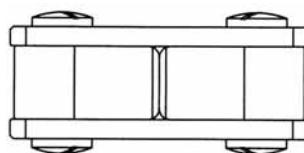
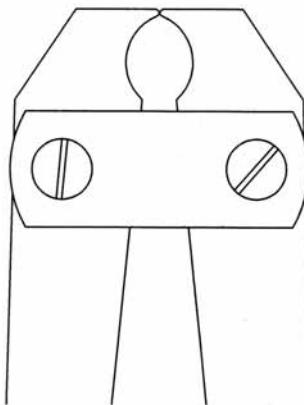
34559-47 47 cm, 18  $\frac{1}{2}$ "

Drahtkneifzange für Draht bis 6 mm Ø

Pin cutter for pins up to 6 mm

Alicate para cortar clavos hasta 6 mm

Ghigliottina per tagliare fili fino a 6 mm



34560-57 57 cm 22 1/2"

bis 6.5 mm  
up to 6.5 mm  
hasta 6.5 mm  
a 6.5 mm



34561-25  
25 cm, 10"



34561-38  
41 cm, 16"  
für Draht bis 7 mm ø

Instrumentarium für Ender und Küntscher Nägel  
 Instruments for ender and Küntscher Nails  
 Instrumental para Clavos Ender y Küntscher  
 Strumentario per chiodi di Ender e Küntscher



KÜNTSCHER 26 cm, 10 1/4"  
 34570-01 8 mm Tibia  
 34570-02 10 mm Femur

Vorbohrer zum Öffnen der Markhöhle  
 Reamers for medullary cave  
 Perforadores para la cavidad medular  
 Alesatore per l'apertura del midollo



KÜNTSCHER  
 34573-35 35 cm, 13 3/4"  
 Aufreiber für Oberschenkel  
 Reamer for femur  
 Perforador para fémur  
 Alesatore per femore



| mm Ø | L = 60 cm |
|------|-----------|
| 3,0  | 34582-60  |
| 3,5  | 34583-60  |
| 4,0  | 34584-60  |
| 5,0  | 34585-60  |

34581-35 - 34585-60  
 Führungsspieße  
 Guide pins  
 Guía-conductora para clavos medulares  
 Guida conduttrice



34578-24  
 Guide Rod 2,4 mm,  
 length 90 cm  
 34578-30  
 Guide Rod 3,0 mm,  
 length 90 cm



34579-20  
 Guide Rod 2,0 mm,  
 length 90 cm  
 34579-30  
 Guide Rod 3,0 mm,  
 length 90 cm



KUENTSCHER 19 cm, 7 1/2"  
 Fertigschläger  
 Nail impactors  
 Impactor final  
 Impattatore finale

Instrumentarium für Nägel  
Instruments for Nails  
Instrumental para Clavos  
Strumentario per chiodi

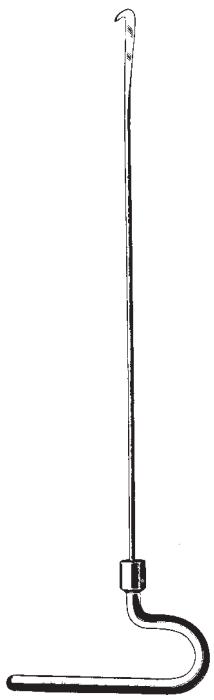


KÜNTSCHER 63 cm, 24  $\frac{3}{4}$ "  
 34590-00 komplett mit 2 Haken 34590-01/02  
 34590-00 complete with 2 hooks 34590-01/02  
 34590-00 completo con 2 ganchos 34590-01/02  
 34590-00 completo con 2 ganci 34590-01/02

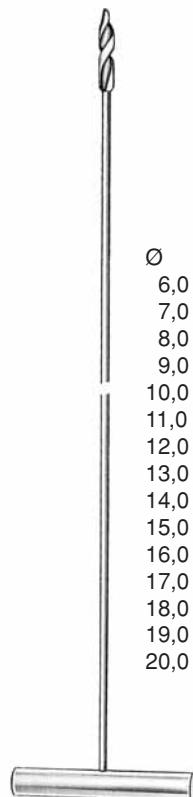


34592-00  
Extraktor  
Ender

Extraktionshaken  
Extraction hooks  
Ganchos extractores  
Gancio d'estrazione



cm  
 34596-29 29, 11.4"  
 34596-37 37, 14.5"  
 34596-42 42, 16.5"  
 34596-49 49, 19.3"



Markraumbohrer  
Intramedullary drills  
Perforadores medulares  
Perforatore intramidollare

Extraktor / Nail extractor  
Aparato extractor / Estrattore



Einschläger / Nail Inserter  
Introductor clavos / Impattatore  
34612-00



Impactor  
34613-00



Bender  
34615-00



Impacto-Extractor  
Impattatore-Estrattore  
34617-00

Schraubenzieher  
Screw Drivers  
Destornilladores  
Cacciaviti



LANE  
34620-25 25 cm, 10"  
Schraubenzieher 6 mm  
Screw Driver 6 mm  
Destornillador 6 mm  
Cacciaviti 6 mm



WILLIAMS  
24 cm  
9 1/2"



34624-01



34624-02



34624-03



34624-04



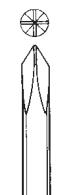
mit Ferrozellgriff  
with Ferrozell handle  
con mango de Ferrozell  
con manico di Ferrozell



34627-01  
17 cm  
6 3/4"



34628-02  
25 cm  
10"



34629-01  
20 cm  
8"

34628-01  
25 cm  
10"

34629-02  
25 cm  
10"



1,5 mm  
20 cm  
8"



34628-15  
20 cm  
8"



34628-17  
20 cm  
8"



34628-25  
20 cm  
8"



34628-35  
20 cm  
8"



34628-45  
20 cm  
8"

34629-25  
25 cm  
10"

34629-35  
25 cm  
10"

Schraubenzieher  
Screw Drivers  
Destornilladores  
Cacciaviti



34630-15  
Screw holder  
1,5 mm



34630-25  
Screw holder  
2,5 mm



LANE  
34632-25 25 cm, 10"  
Kreuzschlitzschraubenzieher  
Screwdriver for cross slotted head  
Destornillador para tornillos con ranura en cruz  
Cacciavite a croce



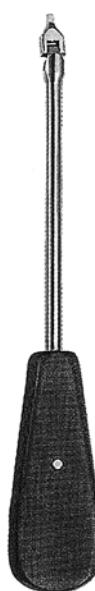
Schraubenhaltehülse für Sechskantschrauben  
Screw holder  
Vaina para tornillos  
Guaina per viti esagonali  
34634-25 2,5 mm  
34634-35 3,5 mm

Schraubenzieher  
Screw Driver  
Destornilladores  
Cacciaviti



34634-40

T-Handgriff mit Kardangelenk SW 11  
Giravite esagonale con manico  
palmare con articolazione cardanica  
Mango en T con articulación cardan  
SW 11



34634-50

Kardangelenk-Schraubenzieher 3,5 mm  
Sechskant mit Hartgewebegegriff  
Chiave cardanica inox per viti 3,5 mm  
Esagonal  
Destornillador con articulación cardan  
3.5 mm  
Adaptador-destornillador hexagonal con  
cierre rápido



Schraubenzieher-Einsatz  
Sechskant mit Schnellkupplung  
Giravite per viti esagoni attacco rapido

34635-15 1,5 mm  
34635-25 2,5 mm  
34635-35 3,5 mm



34636-10

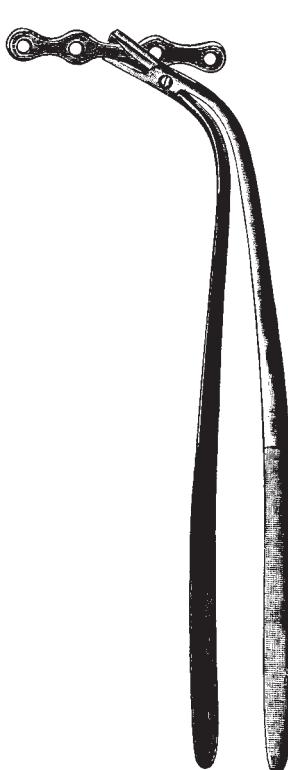
Mini-Schraubenzieher 1,5 mm Sechskant  
mit Mini-Schnellkupplung für Dental  
Mini giravite esagonale per viti 1,5 mm con  
attacco rapido esagonale  
Mini-destornillador 1.5 mm hexagonal con  
cierre rápido "dental"



34636-20

Mini-Kreuzschlitz-Schraubenzieher-Einsatz  
mit Mini-Schnellkupplung für Dental  
Mini giravite per viti testa a croce con attacco  
rapido  
Mini-destornillador con ranura en forma de  
cruz con cierre rápido "dental"

Haltezangen  
Holding Forceps  
Pinzas para sostener placas  
Pinza porta placca



LANE  
34637-23 23 cm, 9"

Knochenplatten-Haltezange  
Plate Holding Forceps  
Pinza para sostener placas  
Pinza fermo placche



LANE  
34639-22 22 cm, 8 3/4"

Schraubenhaltezange  
Screw Holding Forceps  
Pinza para sostener tornillos  
Pinza fermo viti

Biegehebel  
Plate Bender  
Palanca para placas  
Leva piega placche



LANE  
34640-18 18 cm, 7"

34641-01

34641-02

34642-01

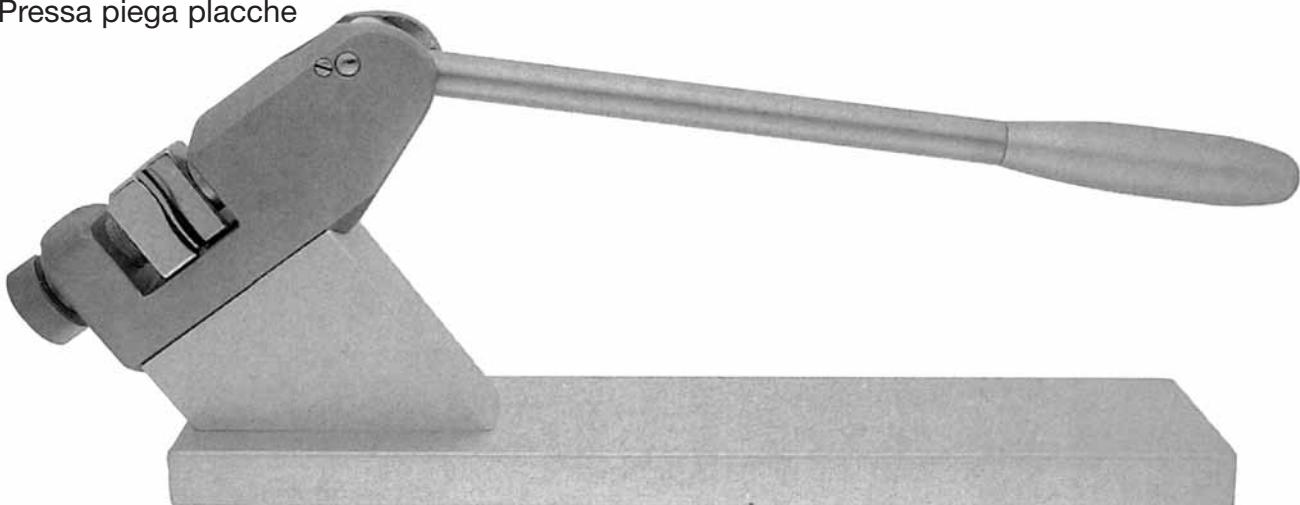
Biegehebel für Knochenplatten  
Plate Bender  
Palanca para doblar placas  
Leva piega placche

Bending Irons for  
small plates to be  
used as a pair

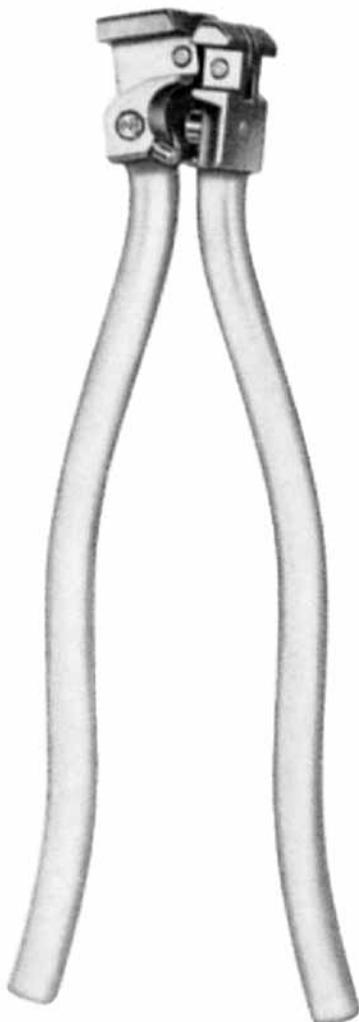
Bending Irons for  
small plates to be  
used as a pair

Bending Iron for  
Mini Plates

Biegepresse  
Bending press  
Pensa de mesa  
Pressa piega placche



34649-00  
Bending Device to bend  
straight and angled plates

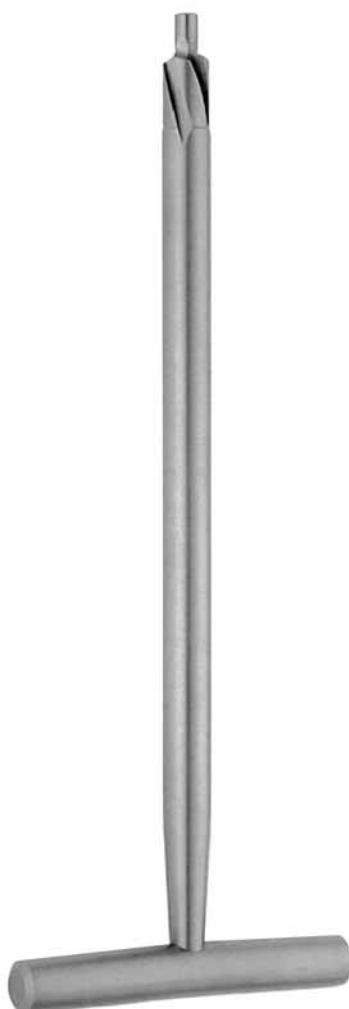


34648-22  
Bending Pliers for  
2.7 and 3.5 mm plates



34701-01 1,5 - 2,7 mm screws  
34701-02 3,5 - 6,5 mm screws  
Screw forceps

Kopfraumfräser  
Countersink  
Avellanador  
Fresa per seda sferica



34805-45  
Large Countersink  
for 4.5 mm and 6.5 diam Screws  
Tip 4.5 mm



34806-11  
Mini Countersink  
for 1.5 mm Screws 2.00 mm  
Diam Tip 1.1 mm



34806-20  
Small Countersink  
for 2.7, 3.5 mm and 4.0 mm  
Screws Tip 2.0 mm

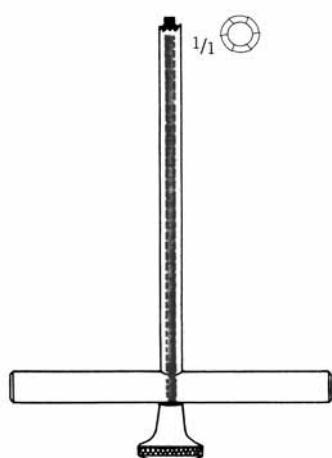
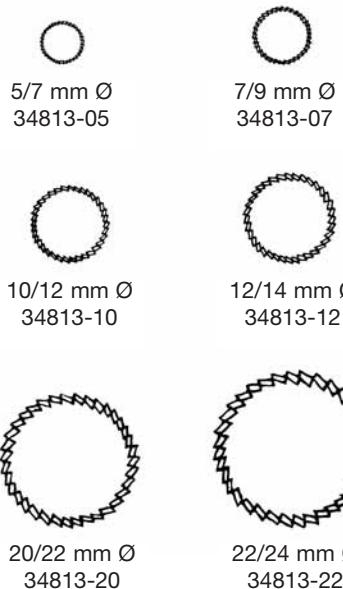
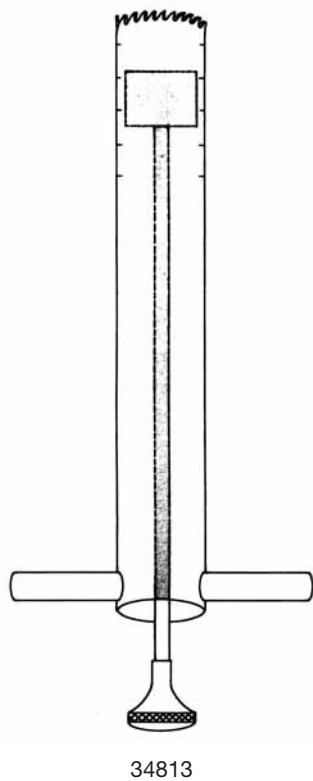


34806-32  
Malleolar Countersink  
Tip 3.2 mm

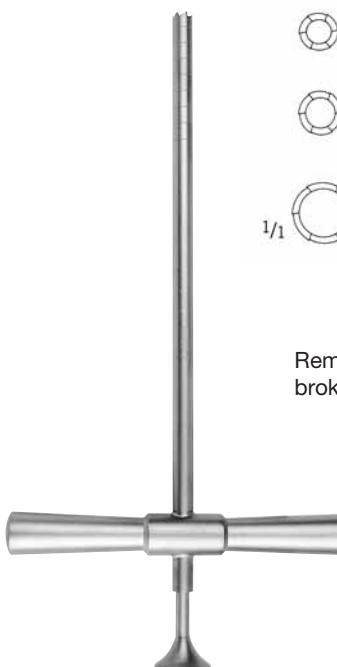


Reamer  
34807-20  
9 cm, 3 1/2"  
Ø 4,0 mm

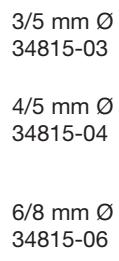
Trephine  
Trephine  
Trepano  
Punta trapano



Plug Cutter  
34814-03  
11,5 cm, 4 1/2"



Michele Trephine



Removal of  
broken bone screw

Gewebebeschutzhülse / Bohrbüchse  
 Soft tissue sleeve / Drill bit guide  
 Guia de broca  
 Guida per frese / Guida da punta



34822-15  
 Mini Drill Sleeve for 1.1 mm and 1.5 mm drill bits



34822-65  
 Drill Guide for 6.5 mm Screws Drill Bit 3.2 mm



34823-20  
 Drill Guide and drill sleeve for 2.0 mm drill bit



34824-27  
 Tap Sleeve, 2.0 mm Ø  
 Drill Sleeve, 2.7 mm Ø



34824-35  
 Tap Sleeve, 2.5 mm Ø  
 Drill Sleeve, 3.5 mm Ø



34824-45  
 Drill Guide for 4.5 mm Screws  
 Drill Bit 4.5 mm and 3.2 mm

Gewebeschutzhülse / Bohrbüchse  
Soft tissue sleeve / Drill bit guide  
Guia de broca  
Guida per frese / Guida da punta



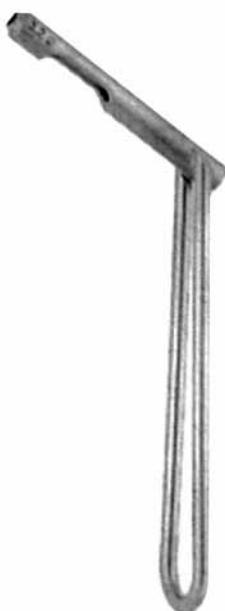
34825-35  
Tap Sleeve  
3.5 mm also for  
used as 3.2 mm  
drill Guide



34825-45  
Tap Sleeve  
4.5 mm



34826-40  
Drill sleeve  
3.2 mm for Round  
Hole Plates



Drill bit sleeve  
34826-60  
13 cm, 5"  
Ø 3,2 mm

Gewebeschutzhülse / Bohrbüchse  
Soft tissue sleeve / Drill bit guide  
Guia de broca  
Guida per frese / Guida da punta



34827-27  
Insert Drill Sleeve 2.7 / 2.0 mm  
Drill Bit 2.0 mm  
34827-35  
Insert Drill Sleeve 3.5 / 2.5 mm  
Drill Bit 2.5 mm  
34827-45  
Insert Drill Sleeve 4.5 / 3.2 mm  
Drill Bit 3.2 mm



34828-45  
C - Clamp Drill Guide  
with thread for  
Drill Bit 4.5 mm

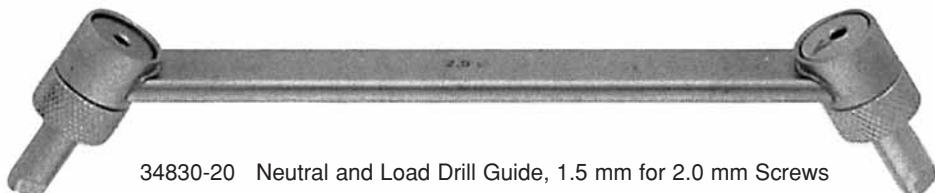


34829-35  
Small Pointed Drill  
for Drill Bit 3.5 mm



34829-45  
Pointed Drill Guide  
6.5 mm

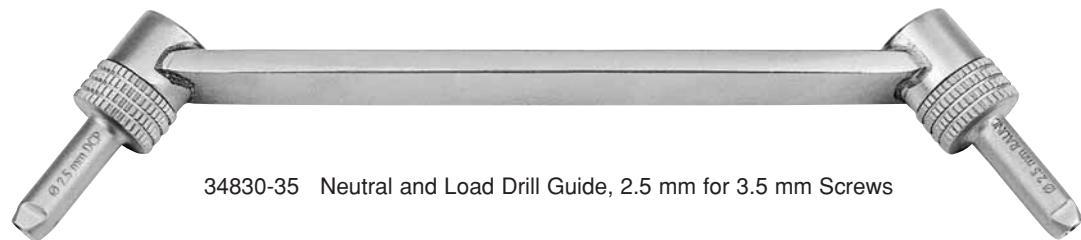
Gewebeschutzhülse / Bohrbüchse  
Soft tissue sleeve / Drill bit guide  
Guia de broca  
Guida per frese / Guida da punta



34830-20 Neutral and Load Drill Guide, 1.5 mm for 2.0 mm Screws

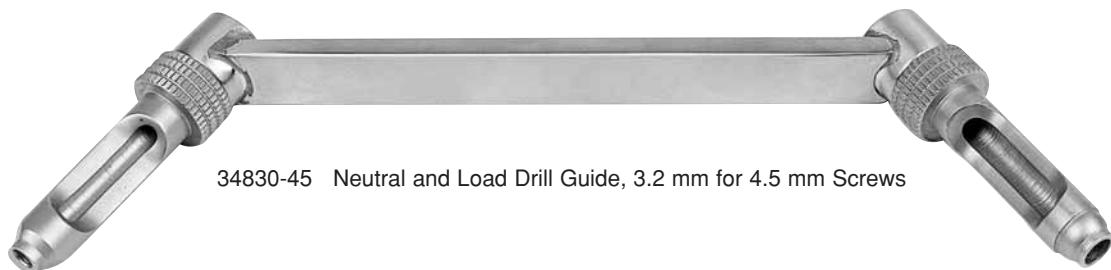


34830-27 Neutral and Load Drill Guide, 2.0 mm for 2.7 mm Screws

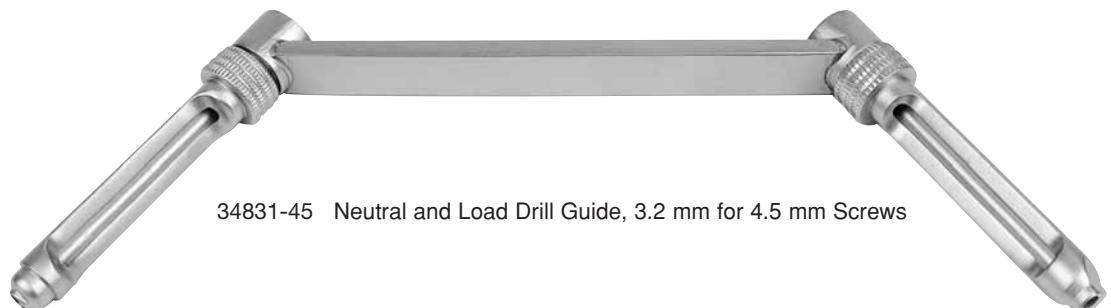


34830-35 Neutral and Load Drill Guide, 2.5 mm for 3.5 mm Screws

Gewebeschutzhülse / Bohrbüchse  
Soft tissue sleeve / Drill bit guide  
Guia de broca  
Guida per frese / Guida da punta



34830-45 Neutral and Load Drill Guide, 3.2 mm for 4.5 mm Screws



34831-45 Neutral and Load Drill Guide, 3.2 mm for 4.5 mm Screws

Zielgerät / Biegeschablone / Tiefenlehre  
 Aiming device / Bending template / Depth gauge  
 Guia de perforación / Plantilla maleable / Mediador  
 Mirino / Placche malleabili / Profondimetro



Target device  
 34832-00  
 16 cm, 6 1/4"  
 Ø 4,5 mm



34833-32  
 Drill Sleeve for  
 Tension Device



Bending Template  
 Size      4.5 mm      3.5 mm  
 5 hole    34835-05    34836-05  
 7 hole    34835-07    34836-07  
 9 hole    34835-09    34836-09



34850-03 Depth Gauge for 1.5 mm and 2.0 mm screws  
 34850-05 Depth Gauge for 2.7 mm and 4.0 mm screws  
 34850-10 Depth Gauge for 4.5 mm and 6.5 mm screws 100 mm  
 34850-12 Depth Gauge for 4.5 mm and 6.5 mm screws 120 mm

Instrumentarium für Winkelplatten  
 Instruments for angled plates  
 Instrumental para placas angolados  
 Strumentario per palacche angolate



Chisel Guide  
 34860-00  
 8 cm, 3 1/4"



Inserter-Extractor for Adult  
 34861-27  
 27 cm, 10 1/2"



Impactor  
 34865-21  
 20,5 cm, 8 1/2"



Seating Chisel for Children  
 34863-25  
 25 cm, 10"



Seating Chisel for Infants  
 34863-26  
 26 cm, 10 1/2"



Seating Chisel for Adult  
 34863-32  
 32 cm, 12 1/2"

Plattenspanner  
Plate tensioner  
Tensor de placas  
Tenditore di placche



34862-08  
8 mm screw-type  
Compression Device



34864-20  
Articulated Tension Device with Indicator,  
span 20 mm may also be used for distraction  
of standard and small plate



34864-99  
Pin Wrench for Tension  
Device and Distactor

Gewindeschneider  
Tap  
Terraja p torn  
Maschio per vite



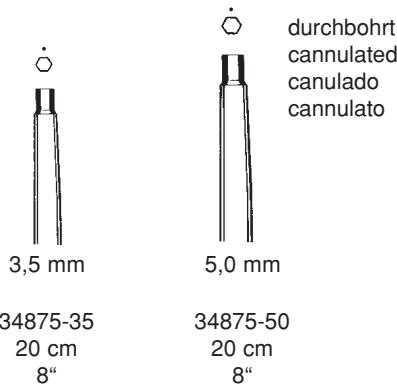
3,5 mm 34874-35  
4,5 mm 34874-45  
7,0 mm 34874-70



34875-25



mit Ferrozellgriff  
with Ferrozell handle  
con mango de Ferrozell  
con manico di Ferrozell



3,5 mm

34875-35  
20 cm  
8"

34876-35  
25 cm  
10"

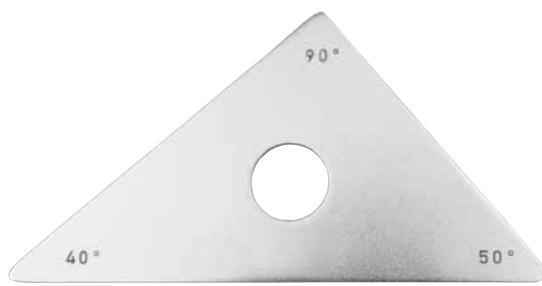
5,0 mm

34875-50  
20 cm  
8"

Zubehör für Winkelplatten  
Accessories for angled plates  
Accesorios para placas anguladas  
Accessori per placche angolate



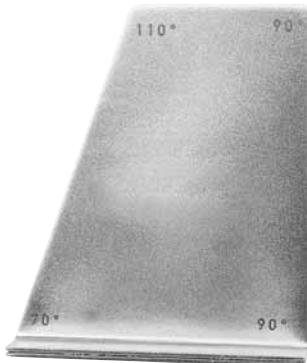
Triangular Positioning Plates  
34852-08  
90° - 70° - 30°



Triangular Positioning Plates  
34852-09  
90° - 50° - 40°



Triangular Positioning Plates  
34852-10  
100° - 60° - 20°



Quadrangular Positioning Plate  
34852-11  
90° - 50° - 40°



Condylar Plate Guide  
34853-09  
90° - 50° - 40

Markraumbohrer flexibel  
Flexible Medullary reamer  
Taladio flexible intramedular  
Fresa flexible

Flexible Medullary Reamer (Hudson Drive Connection)



|      |                    |                    |                    |                    |                    |                    |                    |                    |
|------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| Ø mm | 6,0<br>37047-060H  | 6,5<br>37047-065H  | 7,0<br>37047-070H  | 7,5<br>37047-075H  | 8,0<br>37047-080H  | 8,5<br>37047-085H  | 9,0<br>37047-090H  | 9,5<br>37047-095H  |
| Ø mm | 10,0<br>37047-100H | 10,5<br>37047-105H | 11,0<br>37047-110H | 11,5<br>37047-115H | 12,0<br>37047-120H | 12,5<br>37047-125H | 13,0<br>37047-130H | 13,5<br>37047-135H |
| Ø mm | 14,0<br>37047-140H | 14,5<br>37047-145H | 15,0<br>37047-150H | 15,5<br>37047-155H | 16,0<br>37047-160H | 16,5<br>37047-165H | 17,0<br>37047-170H | 17,5<br>37047-175H |
| Ø mm | 18,0<br>37047-180H |                    |                    |                    |                    |                    |                    |                    |

Flexible Medullary Reamer (Aesculap Drive Connection DIN 58809)



|      |                     |                     |                     |                     |                     |                     |                     |                     |
|------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| Ø mm | 6,0<br>37048-060ST  | 6,5<br>37048-065ST  | 7,0<br>37048-070ST  | 7,5<br>37048-075ST  | 8,0<br>37048-080ST  | 8,5<br>37048-085ST  | 9,0<br>37048-090ST  | 9,5<br>37048-095ST  |
| Ø mm | 10,0<br>37048-100ST | 10,5<br>37048-105ST | 11,0<br>37048-110ST | 11,5<br>37048-115ST | 12,0<br>37048-120ST | 12,5<br>37048-125ST | 13,0<br>37048-130ST | 13,5<br>37048-135ST |
| Ø mm | 14,0<br>37048-140ST | 14,5<br>37048-145ST | 15,0<br>37048-150ST | 15,5<br>37048-155ST | 16,0<br>37048-160ST | 16,5<br>37048-165ST | 17,0<br>37048-170ST | 17,5<br>37048-175ST |
| Ø mm | 18,0<br>37048-180ST |                     |                     |                     |                     |                     |                     |                     |

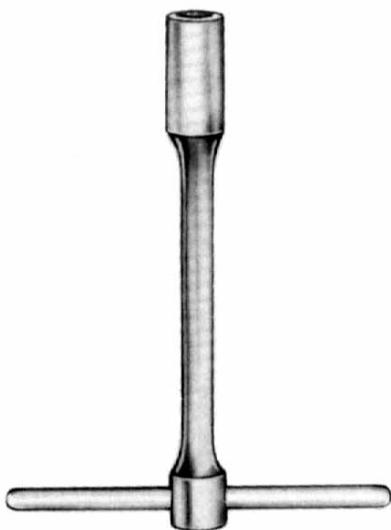
Zubehör für Smith Peterson Nägel  
Accessories for Smith Peterson nails  
Accesorios para tornillos Smith Peterson  
Accessori per viti Smith Peterson



RITCHIE  
37058-21  
21 cm, 8 1/4"

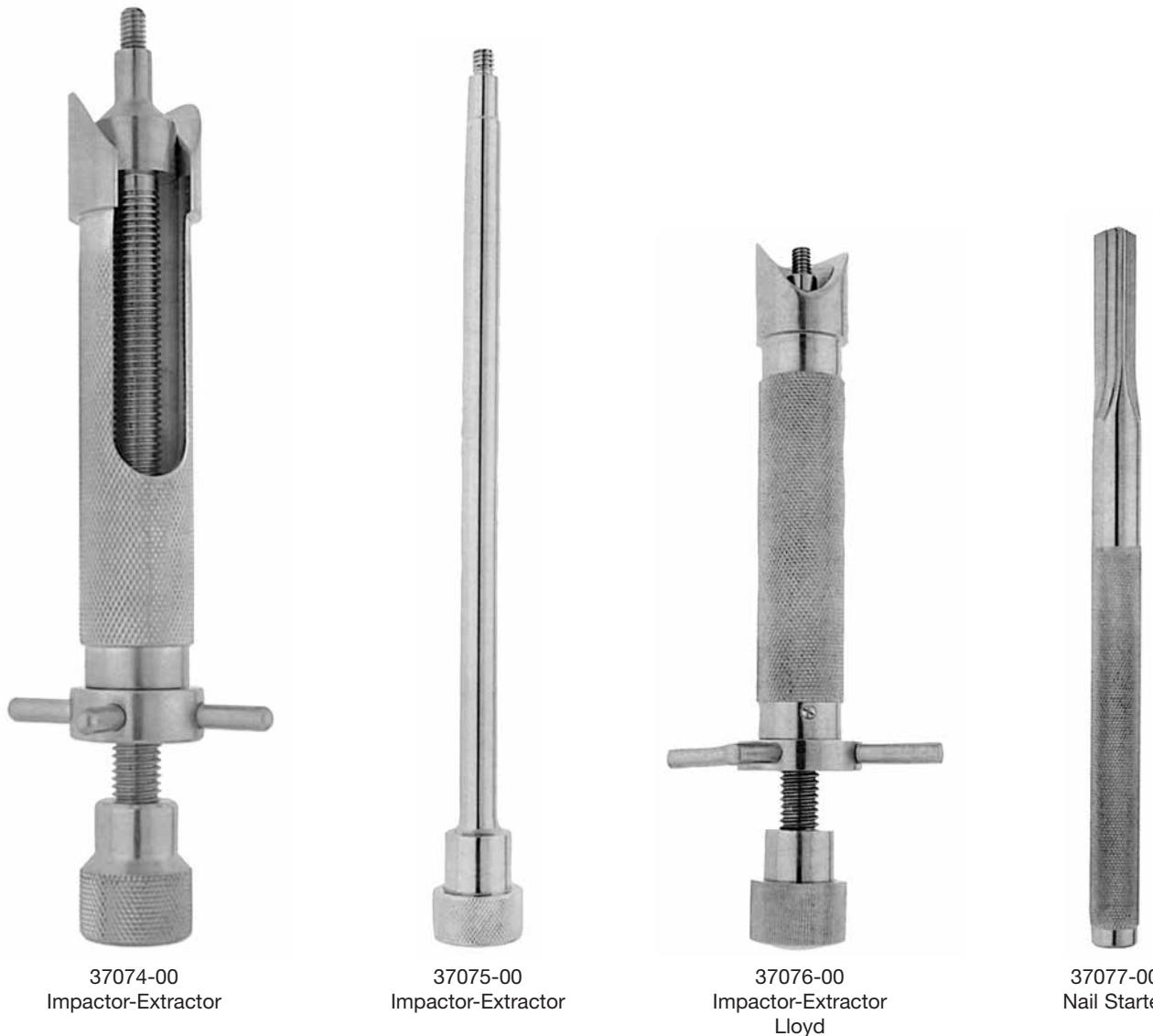


37059-16  
16 cm, 6 1/4"



T-Handle  
37061-00

Zubehör für Smith Peterson Nägel  
Accessories for Smith Peterson nails  
Accesorios para tornillos Smith Peterson  
Accessori per viti Smith Peterson



Zubehör für dynamische Hüftschrauben  
Implements for dynamic Hip Screws  
Accesorios para tornillos dinámicos  
Accessori per viti dinamiche



Angled Drill Guide for DCS Plates 95°  
37057-00



Measuring  
Device  
Complete View



Measuring  
Device  
37092-00  
21 cm, 8 1/4"



Guide Pin  
Ø 2,5 x 230 mm  
10 mm Thread  
37092-23



DCS Triple  
Reamer  
37094-25  
21 cm, 8 1/4"



DHS Triple  
Reamer  
37094-38  
21 cm, 8 1/4"

Zubehör für dynamische Hüftschrauben  
 Implements for dynamic Hip Screws  
 Accesorios para tornillos dinámicos  
 Accessori per viti dinamiche



Coupling  
Device  
Complete View

Coupling  
Screw  
37095-41  
21,5 cm, 8 1/2"

Guide  
Shaft  
37095-42  
20 cm, 8"

Guide Sleeve Long  
Complete View

Tap  
23 cm, 9"  
37096-42

DMS Guide  
Sleeve Short  
Ø 11 mm  
37096-43  
11 cm, 4 3/8"

Zubehör für dynamische Hüftschrauben  
Implements for dynamic Hip Screws  
Accesorios para tornillos dinámicos  
Accessori per viti dinamiche



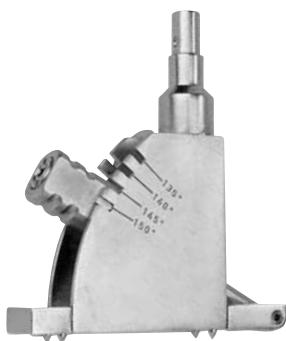
Angled Guide for DHS

37056-35 135°  
37056-40 140°  
37056-45 145°  
37056-50 150°



Trocar Kirschner Wire

Ø 2,5 x 230 mm  
37092-23  
23 cm, 9"



Drill Guide for DHS

37093-00  
135° - 150°



Impactor  
37095-40  
21 cm, 8 1/4"

Zubehör für dynamische Hüftschrauben  
Implements for dynamic Hip Screws  
Accesorios para tornillos dinámicos  
Accessori per viti dinamiche



Guide Sleeve Long  
Complete View  
25 cm, 10"



Coupling Screw  
37095-43  
21,5 cm, 8 1/2"



Wrench Screw  
37095-44



DHS Guide  
Sleeve Long  
37096-45



T-Handle with Chuck  
37096-00  
12 cm, 4 3/4"

Zubehör für Knochenklammern  
implements for Bone Staples  
Accesorios para Cambre  
Accessori per Grapas



37100-18  
Extractor

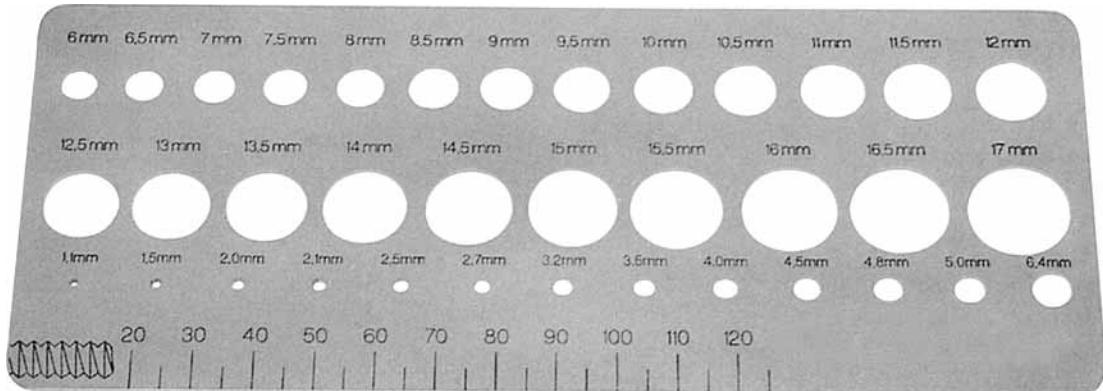


37100-20  
Impactor



37100-22  
Driver

Zubehör Marknägel  
Accessories intramedullary nails  
Accesorios para intramedular clavo  
Accessori per intramedular chiodo

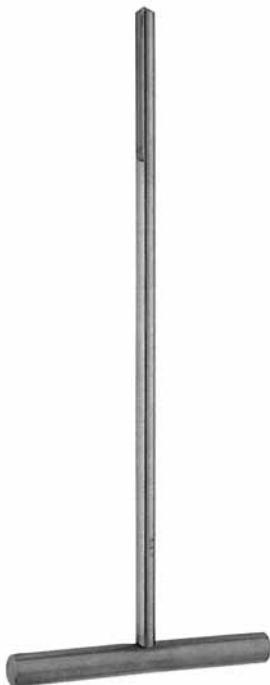


37300-00  
Meßlehre / Measuring Device / calibrador / calibro



- 37300-64 Rack for Rush Medullary Set pin 6,4 Ø
- 37300-48 Rack for Rush Medullary Set pin 4,8 Ø
- 37300-32 Rack for Rush Medullary Set pin 3,2 Ø
- 37300-24 Rack for Rush Medullary Set pin 2,4 Ø

Instrumentarium für Rush Marknägel  
 Instruments for Rush intramedullary pins  
 Instrumental para clavo gancho  
 Strumentario per chiodo gancio



37301-64 Rush Awl. Reamer 6,4 Ø  
 37301-48 Rush Awl. Reamer 4,8 Ø  
 37301-32 Rush Awl. Reamer 3,2 Ø  
 37301-24 Rush Awl. Reamer 2,4 Ø

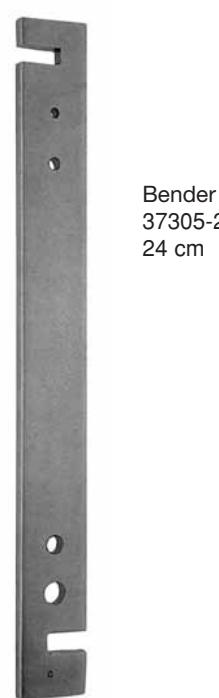


37302-64 Driver and Extractor 6,4 Ø  
 37302-48 Driver and Extractor 4,8 Ø  
 37302-32 Driver and Extractor 3,2 Ø  
 37302-24 Driver and Extractor 2,4 Ø



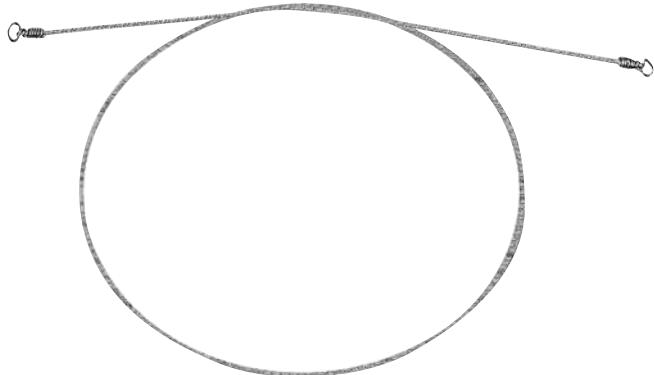
für Nägel  
 for nails  
 para clavos  
 per chiodi

Ø  
 2,4 mm 37304-24  
 3,2 mm 37304-32  
 4,8 mm 37304-48  
 6,4 mm 37304-64



Bender  
 37305-24  
 24 cm

Gigli Säge  
Gigli saw  
Gigli sierra  
Gigli sega



Gigli Saw  
41092-30 30 mm  
41092-40 40 mm  
41092-50 50 mm

For cutting hard bone in difficult cutting situations or locations.  
Round tooth design cuts in all directions.



Gigli Saw Handle  
41094-00

Special handle for Gigli Saw.  
Supplied pair.



41095-00

Special handle for Gigli Saw.  
Supplied pair.









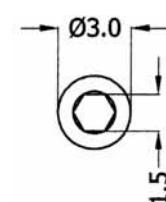
**1.5**

### Minifragments Cortical Screws 1.5 mm

### Minifragment Kortikalisschrauben 1.5 mm

### Mini vis corticales 1.5 mm

**1.5 ø Mini Cortical Screws:** To be used in interfragmental compession in strong cortical bone of the metatarsals, metacarpals and proximal phalanx. Buttress thread from provides enhanced pull-out resistance in cortical bone. Also used for fixation of mini fragment plates.



**Material:** Certified Stainless Steel according to ASTM F.138 - ISO 5832/1. Certified Titanium alloy according to ASTM F.136 - ISO 5832/3.

| Thread diam. | 1.5                    | 1.5                                     | 1.5             | 1.5                              |
|--------------|------------------------|-----------------------------------------|-----------------|----------------------------------|
| Core diam.   | 1.1                    | 1.1                                     | 1.1             | 1.1                              |
| Pitch        | 0.5                    | 0.5                                     | 0.5             | 0.5                              |
| Head diam.   | 3.0                    | 3.0                                     | 3.0             | 3.0                              |
| Hex. Socket  | 1.5                    | 1.5                                     | 1.5             | 1.5                              |
|              | <b>Stainless Steel</b> | <b>Stainless Steel<br/>Self-Tapping</b> | <b>Titanium</b> | <b>Titanium<br/>Self-Tapping</b> |
| Length mm    |                        |                                         |                 |                                  |
| 6            | ROT-101-006            | ROT-101-006 S                           | ROT-101-006 T   | ROT-101-006 TS                   |
| 7            | ROT-101-007            | ROT-101-007 S                           | ROT-101-007 T   | ROT-101-007 TS                   |
| 8            | ROT-101-008            | ROT-101-008 S                           | ROT-101-008 T   | ROT-101-008 TS                   |
| 9            | ROT-101-009            | ROT-101-009 S                           | ROT-101-009 T   | ROT-101-009 TS                   |
| 10           | ROT-101-010            | ROT-101-010 S                           | ROT-101-010 T   | ROT-101-010 TS                   |
| 11           | ROT-101-011            | ROT-101-011 S                           | ROT-101-011 T   | ROT-101-011 TS                   |
| 12           | ROT-101-012            | ROT-101-012 S                           | ROT-101-012 T   | ROT-101-012 TS                   |
| 14           | ROT-101-014            | ROT-101-014 S                           | ROT-101-014 T   | ROT-101-014 TS                   |
| 16           | ROT-101-016            | ROT-101-016 S                           | ROT-101-016 T   | ROT-101-016 TS                   |
| 18           | ROT-101-018            | ROT-101-018 S                           | ROT-101-018 T   | ROT-101-018 TS                   |
| 20           | ROT-101-020            | ROT-101-020 S                           | ROT-101-020 T   | ROT-101-020 TS                   |
| 22           | ROT-101-022            | ROT-101-022 S                           | ROT-101-022 T   | ROT-101-022 TS                   |
| 24           | ROT-101-024            | ROT-101-024 S                           | ROT-101-024 T   | ROT-101-024 TS                   |

### Minifragments Cortical Screws 2.0 mm

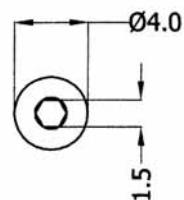
### Minifragment Kortikalisschrauben 2.0 mm

### Mini vis corticales 2.0 mm



2.0

**2.0 ø Mini Cortical Screws:** To be used in interfragmental compression in strong cortical bone of the metatarsals, metacarpals and proximal phalanx. Buttress thread from provides enhanced pull-out resistance in cortical bone. Also used for fixation of mini fragment plates.



| Thread diam.     | 2.0                    | 2.0                                     | 2.0                  | 2.0                              |
|------------------|------------------------|-----------------------------------------|----------------------|----------------------------------|
| Core diam.       | 1.3                    | 1.3                                     | 1.3                  | 1.3                              |
| Pitch            | 0.6                    | 0.6                                     | 0.6                  | 0.6                              |
| Head diam.       | 4.0                    | 4.0                                     | 4.0                  | 4.0                              |
| Hex. Socket      | 1.5                    | 1.5                                     | 1.5                  | 1.5                              |
|                  | <b>Stainless Steel</b> | <b>Stainless Steel<br/>Self-Tapping</b> | <b>Titanium</b>      | <b>Titanium<br/>Self-Tapping</b> |
| <b>Length mm</b> |                        |                                         |                      |                                  |
| 6                | <b>ROT-102-006</b>     | <b>ROT-102-006 S</b>                    | <b>ROT-102-006 T</b> | <b>ROT-102-006 TS</b>            |
| 8                | <b>ROT-102-008</b>     | <b>ROT-102-008 S</b>                    | <b>ROT-102-008 T</b> | <b>ROT-102-008 TS</b>            |
| 10               | <b>ROT-102-010</b>     | <b>ROT-102-010 S</b>                    | <b>ROT-102-010 T</b> | <b>ROT-102-010 TS</b>            |
| 12               | <b>ROT-102-012</b>     | <b>ROT-102-012 S</b>                    | <b>ROT-102-012 T</b> | <b>ROT-102-012 TS</b>            |
| 14               | <b>ROT-102-014</b>     | <b>ROT-102-014 S</b>                    | <b>ROT-102-014 T</b> | <b>ROT-102-014 TS</b>            |
| 16               | <b>ROT-102-016</b>     | <b>ROT-102-016 S</b>                    | <b>ROT-102-016 T</b> | <b>ROT-102-016 TS</b>            |
| 18               | <b>ROT-102-018</b>     | <b>ROT-102-018 S</b>                    | <b>ROT-102-018 T</b> | <b>ROT-102-018 TS</b>            |
| 20               | <b>ROT-102-020</b>     | <b>ROT-102-020 S</b>                    | <b>ROT-102-020 T</b> | <b>ROT-102-020 TS</b>            |
| 22               | <b>ROT-102-022</b>     | <b>ROT-102-022 S</b>                    | <b>ROT-102-022 T</b> | <b>ROT-102-022 TS</b>            |
| 24               | <b>ROT-102-024</b>     | <b>ROT-102-024 S</b>                    | <b>ROT-102-024 T</b> | <b>ROT-102-024 TS</b>            |
| 26               | <b>ROT-102-026</b>     | <b>ROT-102-026 S</b>                    | <b>ROT-102-026 T</b> | <b>ROT-102-026 TS</b>            |
| 28               | <b>ROT-102-028</b>     | <b>ROT-102-028 S</b>                    | <b>ROT-102-028 T</b> | <b>ROT-102-028 TS</b>            |
| 30               | <b>ROT-102-030</b>     | <b>ROT-102-030 S</b>                    | <b>ROT-102-030 T</b> | <b>ROT-102-030 TS</b>            |
| 32               | <b>ROT-102-032</b>     | <b>ROT-102-032 S</b>                    | <b>ROT-102-032 T</b> | <b>ROT-102-032 TS</b>            |
| 34               | <b>ROT-102-034</b>     | <b>ROT-102-034 S</b>                    | <b>ROT-102-034 T</b> | <b>ROT-102-034 TS</b>            |
| 36               | <b>ROT-102-036</b>     | <b>ROT-102-036 S</b>                    | <b>ROT-102-036 T</b> | <b>ROT-102-036 TS</b>            |
| 38               | <b>ROT-102-038</b>     | <b>ROT-102-038 S</b>                    | <b>ROT-102-038 T</b> | <b>ROT-102-038 TS</b>            |



**2.7**

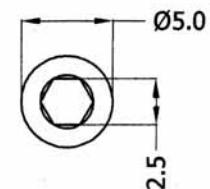
### Small Fragments Cortical Screws 2.7 mm

### Kleinfragment Kortikalisschrauben 2.7 mm

### Petites vis corticales 2.7 mm

#### 2.7 ø Small Fragments Cortical

**Screws:** To be used in interfragmental compession in strong cortical bone of the metatarsals, metacarpals and proximal phalanx. Also used for fixation of special mini plates for hand and for foot surgery. Including quarter tubular plates and mini self-compression plates.



**Material:** Certified Stainless Steel according to ASTM F.138 - ISO 5832/1. Certified Titanium alloy according to ASTM F.136 - ISO 5832/3.

| Thread diam.     | 2.7                    | 2.7                                     | 2.7             | 2.7                              |
|------------------|------------------------|-----------------------------------------|-----------------|----------------------------------|
| Core diam.       | 1.9                    | 1.9                                     | 1.9             | 1.9                              |
| Pitch            | 1.0                    | 1.0                                     | 1.0             | 1.0                              |
| Head diam.       | 5.0                    | 5.0                                     | 5.0             | 5.0                              |
| Hex. Socket      | 2.5                    | 2.5                                     | 2.5             | 2.5                              |
| <b>Length mm</b> | <b>Stainless Steel</b> | <b>Stainless Steel<br/>Self-Tapping</b> | <b>Titanium</b> | <b>Titanium<br/>Self-Tapping</b> |
| 6                | ROT-103-006            | ROT-103-006 S                           | ROT-103-006 T   | ROT-103-006 TS                   |
| 8                | ROT-103-008            | ROT-103-008 S                           | ROT-103-008 T   | ROT-103-008 TS                   |
| 10               | ROT-103-010            | ROT-103-010 S                           | ROT-103-010 T   | ROT-103-010 TS                   |
| 12               | ROT-103-012            | ROT-103-012 S                           | ROT-103-012 T   | ROT-103-012 TS                   |
| 14               | ROT-103-014            | ROT-103-014 S                           | ROT-103-014 T   | ROT-103-014 TS                   |
| 16               | ROT-103-016            | ROT-103-016 S                           | ROT-103-016 T   | ROT-103-016 TS                   |
| 18               | ROT-103-018            | ROT-103-018 S                           | ROT-103-018 T   | ROT-103-018 TS                   |
| 20               | ROT-103-020            | ROT-103-020 S                           | ROT-103-020 T   | ROT-103-020 TS                   |
| 22               | ROT-103-022            | ROT-103-022 S                           | ROT-103-022 T   | ROT-103-022 TS                   |
| 24               | ROT-103-024            | ROT-103-024 S                           | ROT-103-024 T   | ROT-103-024 TS                   |
| 26               | ROT-103-026            | ROT-103-026 S                           | ROT-103-026 T   | ROT-103-026 TS                   |
| 28               | ROT-103-028            | ROT-103-028 S                           | ROT-103-028 T   | ROT-103-028 TS                   |
| 30               | ROT-103-030            | ROT-103-030 S                           | ROT-103-030 T   | ROT-103-030 TS                   |
| 32               | ROT-103-032            | ROT-103-032 S                           | ROT-103-032 T   | ROT-103-032 TS                   |
| 34               | ROT-103-034            | ROT-103-034 S                           | ROT-103-034 T   | ROT-103-034 TS                   |
| 36               | ROT-103-036            | ROT-103-036 S                           | ROT-103-036 T   | ROT-103-036 TS                   |
| 38               | ROT-103-038            | ROT-103-038 S                           | ROT-103-038 T   | ROT-103-038 TS                   |
| 40               | ROT-103-040            | ROT-103-040 S                           | ROT-103-040 T   | ROT-103-040 TS                   |
| 42               | ROT-103-042            | ROT-103-042 S                           | ROT-103-042 T   | ROT-103-042 TS                   |
| 44               | ROT-103-044            | ROT-103-044 S                           | ROT-103-044 T   | ROT-103-044 TS                   |
| 46               | ROT-103-046            | ROT-103-046 S                           | ROT-103-046 T   | ROT-103-046 TS                   |
| 48               | ROT-103-048            | ROT-103-048 S                           | ROT-103-048 T   | ROT-103-048 TS                   |
| 50               | ROT-103-050            | ROT-103-050 S                           | ROT-103-050 T   | ROT-103-050 TS                   |

### Small fragments Cortical Screws 3.5 mm

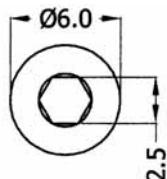
### Kleinfragment Kortikalisschrauben 3.5 mm

### Petites vis corticales 3.5 mm

#### 3.5 ø Small Fragments Cortical

**Screws:** To be used in interfragmental compession in strong cortical bone of the metatarsals, metacarpals and proximal phalanx. Also used for fixation of special mini plates for hand and for foot surgery. Including quarter tubular plates and mini self-compression plates.

**Material:** Certified Stainless Steel according to ASTM F.138 - ISO 5832/1. Certified Titanium alloy according to ASTM F.136 - ISO 5832/3.



3.5

| Thread diam.     | 3.5                    | 3.5                                     | 3.5             | 3.5                              |
|------------------|------------------------|-----------------------------------------|-----------------|----------------------------------|
| Core diam.       | 2.4                    | 2.4                                     | 2.4             | 2.4                              |
| Pitch            | 1.25                   | 1.25                                    | 1.25            | 1.25                             |
| Head diam.       | 6.0                    | 6.0                                     | 6.0             | 6.0                              |
| Hex. Socket      | 2.5                    | 2.5                                     | 2.5             | 2.5                              |
|                  | <b>Stainless Steel</b> | <b>Stainless Steel<br/>Self-Tapping</b> | <b>Titanium</b> | <b>Titanium<br/>Self-Tapping</b> |
| <b>Length mm</b> |                        |                                         |                 |                                  |
| 10               | ROT-104-010            | ROT-104-010 S                           | ROT-104-010 T   | ROT-104-010 TS                   |
| 12               | ROT-104-012            | ROT-104-012 S                           | ROT-104-012 T   | ROT-104-012 TS                   |
| 14               | ROT-104-014            | ROT-104-014 S                           | ROT-104-014 T   | ROT-104-014 TS                   |
| 16               | ROT-104-016            | ROT-104-016 S                           | ROT-104-016 T   | ROT-104-016 TS                   |
| 18               | ROT-104-018            | ROT-104-018 S                           | ROT-104-018 T   | ROT-104-018 TS                   |
| 20               | ROT-104-020            | ROT-104-020 S                           | ROT-104-020 T   | ROT-104-020 TS                   |
| 22               | ROT-104-022            | ROT-104-022 S                           | ROT-104-022 T   | ROT-104-022 TS                   |
| 24               | ROT-104-024            | ROT-104-024 S                           | ROT-104-024 T   | ROT-104-024 TS                   |
| 26               | ROT-104-026            | ROT-104-026 S                           | ROT-104-026 T   | ROT-104-026 TS                   |
| 28               | ROT-104-028            | ROT-104-028 S                           | ROT-104-028 T   | ROT-104-028 TS                   |
| 30               | ROT-104-030            | ROT-104-030 S                           | ROT-104-030 T   | ROT-104-030 TS                   |
| 32               | ROT-104-032            | ROT-104-032 S                           | ROT-104-032 T   | ROT-104-032 TS                   |
| 34               | ROT-104-034            | ROT-104-034 S                           | ROT-104-034 T   | ROT-104-034 TS                   |
| 36               | ROT-104-036            | ROT-104-036 S                           | ROT-104-036 T   | ROT-104-036 TS                   |
| 38               | ROT-104-038            | ROT-104-038 S                           | ROT-104-038 T   | ROT-104-038 TS                   |
| 40               | ROT-104-040            | ROT-104-040 S                           | ROT-104-040 T   | ROT-104-040 TS                   |
| 45               | ROT-104-045            | ROT-104-045 S                           | ROT-104-045 T   | ROT-104-045 TS                   |
| 50               | ROT-104-050            | ROT-104-050 S                           | ROT-104-050 T   | ROT-104-050 TS                   |
| 55               | ROT-104-055            | ROT-104-055 S                           | ROT-104-055 T   | ROT-104-055 TS                   |
| 60               | ROT-104-060            | ROT-104-060 S                           | ROT-104-060 T   | ROT-104-060 TS                   |
| 65               | ROT-104-065            | ROT-104-065 S                           | ROT-104-065 T   | ROT-104-065 TS                   |
| 70               | ROT-104-070            | ROT-104-070 S                           | ROT-104-070 T   | ROT-104-070 TS                   |
| 75               | ROT-104-075            | ROT-104-075 S                           | ROT-104-075 T   | ROT-104-075 TS                   |
| 80               | ROT-104-080            | ROT-104-080 S                           | ROT-104-080 T   | ROT-104-080 TS                   |
| 85               | ROT-104-085            | ROT-104-085 S                           | ROT-104-085 T   | ROT-104-085 TS                   |
| 90               | ROT-104-090            | ROT-104-090 S                           | ROT-104-090 T   | ROT-104-090 TS                   |
| 95               | ROT-104-095            | ROT-104-095 S                           | ROT-104-095 T   | ROT-104-095 TS                   |
| 100              | ROT-104-100            | ROT-104-100 S                           | ROT-104-100 T   | ROT-104-100 TS                   |
| 105              | ROT-104-105            | ROT-104-105 S                           | ROT-104-105 T   | ROT-104-105 TS                   |
| 110              | ROT-104-110            | ROT-104-110 S                           | ROT-104-110 T   | ROT-104-110 TS                   |



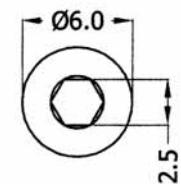
**3.5**

### Cancellous Screws 3.5 mm

### Spongiosa Schrauben 3.5 mm

### Petites vis corticales 3.5 mm

**3.5 ø Cancellous Screws:** Fully threaded screw with fine thread (pitch 1.75 mm) for use in interfragmental compression in small cancellous bone and small plate fixation. Available with thread pitch 1.75 mm. Twist drill recommended: Ø 2.5 mm



| Thread diam. | 3.5             | 3.5           |
|--------------|-----------------|---------------|
| Core diam.   | 2.0             | 2.0           |
| Pitch        | 1.75            | 1.75          |
| Head diam.   | 6.0             | 6.0           |
| Hex. Socket  | 2.5             | 2.5           |
|              |                 |               |
| Length mm    | Stainless Steel | Titanium      |
| 10           | ROT-105-010     | ROT-105-010 T |
| 12           | ROT-105-012     | ROT-105-012 T |
| 14           | ROT-105-014     | ROT-105-014 T |
| 16           | ROT-105-016     | ROT-105-016 T |
| 18           | ROT-105-018     | ROT-105-018 T |
| 20           | ROT-105-020     | ROT-105-020 T |
| 22           | ROT-105-022     | ROT-105-022 T |
| 24           | ROT-105-024     | ROT-105-024 T |
| 26           | ROT-105-026     | ROT-105-026 T |
| 28           | ROT-105-028     | ROT-105-028 T |
| 30           | ROT-105-030     | ROT-105-030 T |
| 32           | ROT-105-032     | ROT-105-032 T |
| 34           | ROT-105-034     | ROT-105-034 T |
| 36           | ROT-105-036     | ROT-105-036 T |
| 38           | ROT-105-038     | ROT-105-038 T |
| 40           | ROT-105-040     | ROT-105-040 T |
| 42           | ROT-105-042     | ROT-105-042 T |
| 44           | ROT-105-044     | ROT-105-044 T |
| 46           | ROT-105-046     | ROT-105-046 T |
| 48           | ROT-105-048     | ROT-105-048 T |
| 50           | ROT-105-050     | ROT-105-050 T |
| 55           | ROT-105-055     | ROT-105-055 T |
| 60           | ROT-105-060     | ROT-105-060 T |

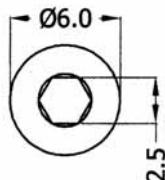
### Cancellous Screws 4.0 mm

### Spongiosa Schrauben 4.0 mm

### Petites vis corticales 4.0 mm



4.0



**4.0 ø Cancellous Screws:** Fully threaded screws for use in interfragmental compression in small cancellous bone. Not to be used as lag screw. But partially threaded screw for use as lag screw in fragment fixation. Deep buttress thread from provides enhanced pull-out resistance. Used in conjunction with one-third tubular plates and other small plates.

**Material:** Certified Stainless Steel according to ASTM F.138 - ISO 5832/1. Certified Titanium alloy according to ASTM F.136 - ISO 5832/3.

| Thread diam. | 4.0                                    | 4.0                                     | 4.0                             | 4.0                              |
|--------------|----------------------------------------|-----------------------------------------|---------------------------------|----------------------------------|
| Core diam.   | 2.0                                    | 2.0                                     | 2.0                             | 2.0                              |
| Pitch        | 1.75                                   | 1.75                                    | 1.75                            | 1.75                             |
| Head diam.   | 6.0                                    | 6.0                                     | 6.0                             | 6.0                              |
| Hex. Socket  | 2.5                                    | 2.5                                     | 2.5                             | 2.5                              |
|              | <b>Stainless Steel<br/>Full Thread</b> | <b>Stainless Steel<br/>Short Thread</b> | <b>Titanium<br/>Full Thread</b> | <b>Titanium<br/>Short Thread</b> |
| Length mm    |                                        |                                         |                                 |                                  |
| 10           | ROT-106-010                            | ROT-107-010                             | ROT-106-010 T                   | ROT-107-010 T                    |
| 12           | ROT-106-012                            | ROT-107-012                             | ROT-106-012 T                   | ROT-107-012 T                    |
| 14           | ROT-106-014                            | ROT-107-014                             | ROT-106-014 T                   | ROT-107-014 T                    |
| 16           | ROT-106-016                            | ROT-107-016                             | ROT-106-016 T                   | ROT-107-016 T                    |
| 18           | ROT-106-018                            | ROT-107-018                             | ROT-106-018 T                   | ROT-107-018 T                    |
| 20           | ROT-106-020                            | ROT-107-020                             | ROT-106-020 T                   | ROT-107-020 T                    |
| 22           | ROT-106-022                            | ROT-107-022                             | ROT-106-022 T                   | ROT-107-022 T                    |
| 24           | ROT-106-024                            | ROT-107-024                             | ROT-106-024 T                   | ROT-107-024 T                    |
| 26           | ROT-106-026                            | ROT-107-026                             | ROT-106-026 T                   | ROT-107-026 T                    |
| 28           | ROT-106-028                            | ROT-107-028                             | ROT-106-028 T                   | ROT-107-028 T                    |
| 30           | ROT-106-030                            | ROT-107-030                             | ROT-106-030 T                   | ROT-107-030 T                    |
| 32           | ROT-106-032                            | ROT-107-032                             | ROT-106-032 T                   | ROT-107-032 T                    |
| 34           | ROT-106-034                            | ROT-107-034                             | ROT-106-034 T                   | ROT-107-034 T                    |
| 35           | ROT-106-035                            | ROT-107-035                             |                                 |                                  |
| 36           | ROT-106-036                            | ROT-107-036                             | ROT-106-036 T                   | ROT-107-036 T                    |
| 38           | ROT-106-038                            | ROT-107-038                             | ROT-106-038 T                   | ROT-107-038 T                    |
| 40           | ROT-106-040                            | ROT-107-040                             | ROT-106-040 T                   | ROT-107-040 T                    |
| 42           | ROT-106-042                            | ROT-107-042                             | ROT-106-042 T                   | ROT-107-042 T                    |
| 44           | ROT-106-044                            | ROT-107-044                             | ROT-106-044 T                   | ROT-107-044 T                    |
| 46           | ROT-106-046                            | ROT-107-046                             | ROT-106-046 T                   | ROT-107-046 T                    |
| 48           | ROT-106-048                            | ROT-107-048                             | ROT-106-048 T                   | ROT-107-048 T                    |
| 50           | ROT-106-050                            | ROT-107-050                             | ROT-106-050 T                   | ROT-107-050 T                    |
| 55           | ROT-106-055                            | ROT-107-055                             | ROT-106-055 T                   | ROT-107-055 T                    |
| 60           | ROT-106-060                            | ROT-107-060                             | ROT-106-060 T                   | ROT-107-060 T                    |



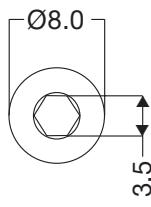
4.5

### Large fragments Cortical Screws 4.5 mm

### Grossfragment Kortikalisschrauben 4.5 mm

### Grandes vis à corticales 4.5 mm

| Thread diam.     | 4.5         | 4.5                    |
|------------------|-------------|------------------------|
| Core diam.       | 3.0         | 3.0                    |
| Pitch            | 1.75        | 1.75                   |
| Head diam.       | 8.0         | 8.0                    |
| Hex. Socket      | 3.5         | 3.5                    |
| <b>Length mm</b> |             | <b>Stainless Steel</b> |
| 14               | ROT-108-014 | ROT-108-014 T          |
| 16               | ROT-108-016 | ROT-108-016 T          |
| 18               | ROT-108-018 | ROT-108-018 T          |
| 20               | ROT-108-020 | ROT-108-020 T          |
| 22               | ROT-108-022 | ROT-108-022 T          |
| 24               | ROT-108-024 | ROT-108-024 T          |
| 26               | ROT-108-026 | ROT-108-026 T          |
| 28               | ROT-108-028 | ROT-108-028 T          |
| 30               | ROT-108-030 | ROT-108-030 T          |
| 32               | ROT-108-032 | ROT-108-032 T          |
| 34               | ROT-108-034 | ROT-108-034 T          |
| 36               | ROT-108-036 | ROT-108-036 T          |
| 38               | ROT-108-038 | ROT-108-038 T          |
| 40               | ROT-108-040 | ROT-108-040 T          |
| 42               | ROT-108-042 | ROT-108-042 T          |
| 44               | ROT-108-044 | ROT-108-044 T          |
| 46               | ROT-108-046 | ROT-108-046 T          |
| 48               | ROT-108-048 | ROT-108-048 T          |
| 50               | ROT-108-050 | ROT-108-050 T          |
| 52               | ROT-108-052 | ROT-108-052 T          |
| 54               | ROT-108-054 | ROT-108-054 T          |
| 56               | ROT-108-056 | ROT-108-056 T          |
| 58               | ROT-108-058 | ROT-108-058 T          |
| 60               | ROT-108-060 | ROT-108-060 T          |
| 62               | ROT-108-062 | ROT-108-062 T          |
| 64               | ROT-108-064 | ROT-108-064 T          |
| 66               | ROT-108-066 | ROT-108-066 T          |
| 68               | ROT-108-068 | ROT-108-068 T          |
| 70               | ROT-108-070 | ROT-108-070 T          |
| 72               | ROT-108-072 | ROT-108-072 T          |
| 74               | ROT-108-074 | ROT-108-074 T          |
| 76               | ROT-108-076 | ROT-108-076 T          |
| 78               | ROT-108-078 | ROT-108-078 T          |
| 80               | ROT-108-080 | ROT-108-080 T          |
| 85               | ROT-108-085 | ROT-108-085 T          |
| 90               | ROT-108-090 | ROT-108-090 T          |
| 95               | ROT-108-095 | ROT-108-095 T          |
| 100              | ROT-108-100 | ROT-108-100 T          |
| 105              | ROT-108-105 | ROT-108-105 T          |
| 110              | ROT-108-110 | ROT-108-110 T          |
| 115              | ROT-108-115 | ROT-108-115 T          |
| 120              | ROT-108-120 | ROT-108-120 T          |
| 125              | ROT-108-125 | ROT-108-125 T          |
| 130              | ROT-108-130 | ROT-108-130 T          |
| 135              | ROT-108-135 | ROT-108-135 T          |
| 140              | ROT-108-140 | ROT-108-140 T          |



#### 4.5 ø Large Cortical Screws:

Primarily used in interfragmental compression bone plates and used in hard cortical bone where buttress thread form provide enhanced pull-out resistance. Used alone for fragment fixation, including use as a lag screw. Available in self-tapping.

**Material:** Certified Stainless Steel according to ASTM F.138 - ISO 5832/1. Certified Titanium alloy according to ASTM F.136 - ISO 5832/3.

### Large fragments Cortical Screws 4.5 mm

### Grossfragment Kortikalisschrauben 4.5 mm

### Grandes vis à corticales 4.5 mm

|                     |             |             |
|---------------------|-------------|-------------|
| <b>Thread diam.</b> | <b>4.5</b>  | <b>4.5</b>  |
| <b>Core diam.</b>   | <b>3.0</b>  | <b>3.0</b>  |
| <b>Pitch</b>        | <b>1.75</b> | <b>1.75</b> |
| <b>Head diam.</b>   | <b>8.0</b>  | <b>8.0</b>  |
| <b>Hex. Socket</b>  | <b>3.5</b>  | <b>3.5</b>  |



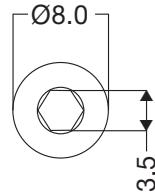
4.5

| <b>Length mm</b> | <b>Stainless Steel<br/>Self-Tapping</b> | <b>Titanium<br/>Self-Tapping</b> |
|------------------|-----------------------------------------|----------------------------------|
| 14               | ROT-108-014 S                           | ROT-108-014 TS                   |
| 16               | ROT-108-016 S                           | ROT-108-016 TS                   |
| 18               | ROT-108-018 S                           | ROT-108-018 TS                   |
| 20               | ROT-108-020 S                           | ROT-108-020 TS                   |
| 22               | ROT-108-022 S                           | ROT-108-022 TS                   |
| 24               | ROT-108-024 S                           | ROT-108-024 TS                   |
| 26               | ROT-108-026 S                           | ROT-108-026 TS                   |
| 28               | ROT-108-028 S                           | ROT-108-028 TS                   |
| 30               | ROT-108-030 S                           | ROT-108-030 TS                   |
| 32               | ROT-108-032 S                           | ROT-108-032 TS                   |
| 34               | ROT-108-034 S                           | ROT-108-034 TS                   |
| 36               | ROT-108-036 S                           | ROT-108-036 TS                   |
| 38               | ROT-108-038 S                           | ROT-108-038 TS                   |
| 40               | ROT-108-040 S                           | ROT-108-040 TS                   |
| 42               | ROT-108-042 S                           | ROT-108-042 TS                   |
| 44               | ROT-108-044 S                           | ROT-108-044 TS                   |
| 46               | ROT-108-046 S                           | ROT-108-046 TS                   |
| 48               | ROT-108-048 S                           | ROT-108-048 TS                   |
| 50               | ROT-108-050 S                           | ROT-108-050 TS                   |
| 52               | ROT-108-052 S                           | ROT-108-052 TS                   |
| 54               | ROT-108-054 S                           | ROT-108-054 TS                   |
| 56               | ROT-108-056 S                           | ROT-108-056 TS                   |
| 58               | ROT-108-058 S                           | ROT-108-058 TS                   |
| 60               | ROT-108-060 S                           | ROT-108-060 TS                   |
| 62               | ROT-108-062 S                           | ROT-108-062 TS                   |
| 64               | ROT-108-064 S                           | ROT-108-064 TS                   |
| 66               | ROT-108-066 S                           | ROT-108-066 TS                   |
| 68               | ROT-108-068 S                           | ROT-108-068 TS                   |
| 70               | ROT-108-070 S                           | ROT-108-070 TS                   |
| 72               | ROT-108-072 S                           | ROT-108-072 TS                   |
| 74               | ROT-108-074 S                           | ROT-108-074 TS                   |
| 76               | ROT-108-076 S                           | ROT-108-076 TS                   |
| 78               | ROT-108-078 S                           | ROT-108-078 TS                   |
| 80               | ROT-108-080 S                           | ROT-108-080 TS                   |
| 85               | ROT-108-085 S                           | ROT-108-085 TS                   |
| 90               | ROT-108-090 S                           | ROT-108-090 TS                   |
| 95               | ROT-108-095 S                           | ROT-108-095 TS                   |
| 100              | ROT-108-100 S                           | ROT-108-100 TS                   |
| 105              | ROT-108-105 S                           | ROT-108-105 TS                   |
| 110              | ROT-108-110 S                           | ROT-108-110 TS                   |
| 115              | ROT-108-115 S                           | ROT-108-115 TS                   |
| 120              | ROT-108-120 S                           | ROT-108-120 TS                   |
| 125              | ROT-108-125 S                           | ROT-108-125 TS                   |
| 130              | ROT-108-130 S                           | ROT-108-130 TS                   |
| 135              | ROT-108-135 S                           | ROT-108-135 TS                   |
| 140              | ROT-108-140 S                           | ROT-108-140 TS                   |

#### 4.5 ø Large Cortical Screws:

Primarily used in interfragmental compression bone plates and used in hard cortical bone where buttress thread form provide enhanced pull-out resistance. Used alone for fragment fixation, including use as a lag screw. Available in self-tapping.

**Material:** Certified Stainless Steel according to ASTM F.138 - ISO 5832/1. Certified Titanium alloy according to ASTM F.136 - ISO 5832/3.





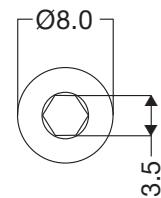
**4.5**

### Large fragments Malleolar Screws 4.5 mm

### Grossfragment Malleolarschrauben 4.5 mm

### Grandes vis à 4.5 mm

**4.5 ø Malleolar Screws:** These **Material:** Certified Stainless Steel partially threaded screws are used according to ASTM F.138 - ISO for the fixation of small fragments in cancellous bone. The head has a hexagonal socket and the screw is inserted by using a screwdriver.



| Thread diam. | 4.5  | 4.5             |               |          |  |
|--------------|------|-----------------|---------------|----------|--|
| Core diam.   | 3.0  | 3.0             |               |          |  |
| Pitch        | 1.75 | 1.75            |               |          |  |
| Head diam.   | 8.0  | 8.0             |               |          |  |
| Hex. Socket  | 3.5  | 3.5             |               |          |  |
| Total length |      | Stainless Steel |               | Titanium |  |
| 25           | 12   | ROT-111-025     | ROT-111-025 T |          |  |
| 30           | 15   | ROT-111-030     | ROT-111-030 T |          |  |
| 35           | 18   | ROT-111-035     | ROT-111-035 T |          |  |
| 40           | 20   | ROT-111-040     | ROT-111-040 T |          |  |
| 45           | 22   | ROT-111-045     | ROT-111-045 T |          |  |
| 50           | 24   | ROT-111-050     | ROT-111-050 T |          |  |
| 55           | 26   | ROT-111-055     | ROT-111-055 T |          |  |
| 60           | 28   | ROT-111-060     | ROT-111-060 T |          |  |
| 65           | 30   | ROT-111-065     | ROT-111-065 T |          |  |
| 70           | 32   | ROT-111-070     | ROT-111-070 T |          |  |
| 75           | 34   | ROT-111-075     | ROT-111-075 T |          |  |
| 80           | 36   | ROT-111-080     | ROT-111-080 T |          |  |
| 85           | 38   | ROT-111-085     | ROT-111-085 T |          |  |
| 90           | 40   | ROT-111-090     | ROT-111-090 T |          |  |

### Cancellous Screws 6.5 mm

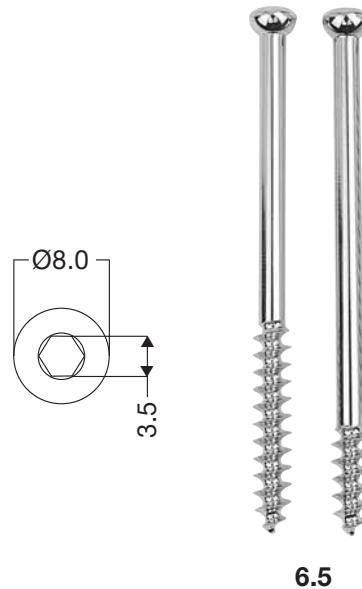
### Spongiosaschrauben 6.5 mm

### Vis spongieuses 6.5 mm

**6.5 ø Cancellous Screws:** The main indication for using cancellous screws is when the cortex is thinner than 3.5 mm. The short threaded screws (16 mm) are used for fractures of the femoral neck in adolescents; separated epiphysis and for certain fractures of the tibial plateau. The long threaded screws (32 mm) are used for fractures in the vicinity of

joints. The head has a hexagonal socket and the screw is inserted by using screwdriver.

**Material:** Certified Stainless Steel according to ASTM F.138 - ISO 5832/1. Certified Titanium alloy according to ASTM F.136 - ISO 5832/3.



6.5

| Thread diam. | 6.5                                           | 6.5                                    | 6.5                                     | 6.5                              |
|--------------|-----------------------------------------------|----------------------------------------|-----------------------------------------|----------------------------------|
| Core diam.   | 4.5                                           | 4.5                                    | 4.5                                     | 4.5                              |
| Pitch        | 2.75                                          | 2.75                                   | 2.75                                    | 2.75                             |
| Head diam.   | 8.0                                           | 8.0                                    | 8.0                                     | 8.0                              |
| Hex. Socket  | 3.5                                           | 3.5                                    | 3.5                                     | 3.5                              |
|              | <b>Stainless Steel<br/>Short Thread 16 mm</b> | <b>Titanium<br/>Short Thread 16 mm</b> | <b>Stainless Steel<br/>Thread 32 mm</b> | <b>Titanium<br/>Thread 32 mm</b> |
| Length mm    |                                               |                                        |                                         |                                  |
| 25           | ROT-121-025                                   | ROT-121-025 T                          |                                         |                                  |
| 30           | ROT-121-030                                   | ROT-121-030 T                          |                                         |                                  |
| 35           | ROT-121-035                                   | ROT-121-035 T                          |                                         |                                  |
| 40           | ROT-121-040                                   | ROT-121-040 T                          |                                         |                                  |
| 45           | ROT-121-045                                   | ROT-121-045 T                          | ROT-122-045                             | ROT-122-045 T                    |
| 50           | ROT-121-050                                   | ROT-121-050 T                          | ROT-122-050                             | ROT-122-050 T                    |
| 55           | ROT-121-055                                   | ROT-121-055 T                          | ROT-122-055                             | ROT-122-055 T                    |
| 60           | ROT-121-060                                   | ROT-121-060 T                          | ROT-122-060                             | ROT-122-060 T                    |
| 65           | ROT-121-065                                   | ROT-121-065 T                          | ROT-122-065                             | ROT-122-065 T                    |
| 70           | ROT-121-070                                   | ROT-121-070 T                          | ROT-122-070                             | ROT-122-070 T                    |
| 75           | ROT-121-075                                   | ROT-121-075 T                          | ROT-122-075                             | ROT-122-075 T                    |
| 80           | ROT-121-080                                   | ROT-121-080 T                          | ROT-122-080                             | ROT-122-080 T                    |
| 85           | ROT-121-085                                   | ROT-121-085 T                          | ROT-122-085                             | ROT-122-085 T                    |
| 90           | ROT-121-090                                   | ROT-121-090 T                          | ROT-122-090                             | ROT-122-090 T                    |
| 95           | ROT-121-095                                   | ROT-121-095 T                          | ROT-122-095                             | ROT-122-095 T                    |
| 100          | ROT-121-100                                   | ROT-121-100 T                          | ROT-122-100                             | ROT-122-100 T                    |
| 105          | ROT-121-105                                   | ROT-121-105 T                          | ROT-122-105                             | ROT-122-105 T                    |
| 110          | ROT-121-110                                   | ROT-121-110 T                          | ROT-122-110                             | ROT-122-110 T                    |
| 115          | ROT-121-115                                   | ROT-121-115 T                          | ROT-122-115                             | ROT-122-115 T                    |
| 120          | ROT-121-120                                   | ROT-121-120 T                          | ROT-122-120                             | ROT-122-120 T                    |
| 125          | ROT-121-125                                   | ROT-121-125 T                          | ROT-122-125                             | ROT-122-125 T                    |
| 130          | ROT-121-130                                   | ROT-121-130 T                          | ROT-122-130                             | ROT-122-130 T                    |
| 135          | ROT-121-135                                   | ROT-121-135 T                          | ROT-122-135                             | ROT-122-135 T                    |
| 140          | ROT-121-140                                   | ROT-121-140 T                          | ROT-122-140                             | ROT-122-140 T                    |
| 145          |                                               |                                        | ROT-122-145                             | ROT-122-145 T                    |
| 150          |                                               |                                        | ROT-122-150                             | ROT-122-150 T                    |



**6.5**

### Cancellous Screws 6.5 mm

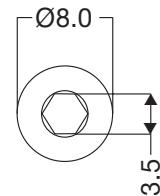
### Spongiosaschrauben 6.5 mm

### Vis spongieuses 6.5 mm

**6.5 ø Cancellous Screws:** The main indication for using cancellous screws is when the cortex is thinner than 3.5 mm. The short threaded screws (16 mm) are used for fractures of the femoral neck in adolescents; separated epiphysis and for certain fractures of the tibial plateau. The long threaded screws (32 mm) are used for fractures in the vicinity of joints. The head has a hexagonal socket and the screw is inserted by using screwdriver.

**Twist drill recommended:**  
Ø 3.2 mm

**Material:** Certified Stainless Steel according to ASTM F.138 - ISO 5832/1. Certified Titanium alloy according to ASTM F.136 - ISO 5832/3.



| Thread diam. | 6.5         | 6.5                    |
|--------------|-------------|------------------------|
| Core diam.   | 3.0         | 3.0                    |
| Pitch        | 2.75        | 2.75                   |
| Head diam.   | 8.0         | 8.0                    |
| Hex. Socket  | 3.5         | 3.5                    |
|              |             | <b>Stainless Steel</b> |
|              |             | <b>Full Thread</b>     |
| Length mm    |             | <b>Titanium</b>        |
|              |             | <b>Full Thread</b>     |
| 20           | ROT-123-020 | ROT-123-020 T          |
| 25           | ROT-123-025 | ROT-123-025 T          |
| 30           | ROT-123-030 | ROT-123-030 T          |
| 35           | ROT-123-035 | ROT-123-035 T          |
| 40           | ROT-123-040 | ROT-123-040 T          |
| 45           | ROT-123-045 | ROT-123-045 T          |
| 50           | ROT-123-050 | ROT-123-050 T          |
| 55           | ROT-123-055 | ROT-123-055 T          |
| 60           | ROT-123-060 | ROT-123-060 T          |
| 65           | ROT-123-065 | ROT-123-065 T          |
| 70           | ROT-123-070 | ROT-123-070 T          |
| 75           | ROT-123-075 | ROT-123-075 T          |
| 80           | ROT-123-080 | ROT-123-080 T          |
| 85           | ROT-123-085 | ROT-123-085 T          |
| 90           | ROT-123-090 | ROT-123-090 T          |
| 95           | ROT-123-095 | ROT-123-095 T          |
| 100          | ROT-123-100 | ROT-123-100 T          |
| 105          | ROT-123-105 | ROT-123-105 T          |
| 110          | ROT-123-110 | ROT-123-110 T          |
| 115          | ROT-123-115 | ROT-123-115 T          |

### Cancellous Screws 2.7 mm

### Durchbohrte Schrauben 2.7 mm

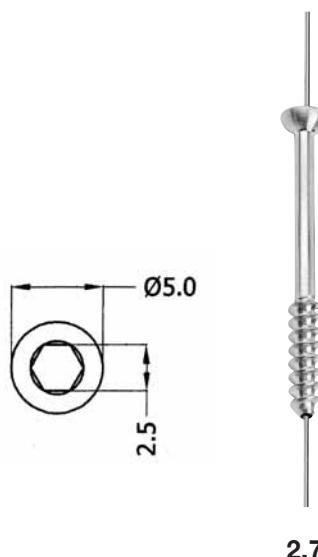
### Vis spongieuses 2.7 mm

**2.7 ø Cancellous Screws:** The main indication for using cancellous screws is when the cortex is thinner than 3.5 mm.

The short threaded screws are used for fractures of the femoral neck in adolescents; separated epiphysis and for certain fractures of the tibial plateau. The long threaded screws are used for fractures in the vicinity

of joints. The head has a hexagonal socket and the screw is inserted by using screwdriver.

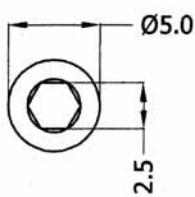
**Material:** Certified Stainless Steel according to ASTM F.138 - ISO 5832/1. Certified Titanium alloy according to ASTM F.136 - ISO 5832/3.



| Thread diam.       | 2.7             | 2.7            | 2.7             | 2.7            |
|--------------------|-----------------|----------------|-----------------|----------------|
| Core diam.         | 1.9             | 1.9            | 1.9             | 1.9            |
| Pitch              | 1.0             | 1.0            | 1.0             | 1.0            |
| <b>Head diam.</b>  | 5.0             | 5.0            | 5.0             | 5.0            |
| <b>Hex. Socket</b> | 2.5             | 2.5            | 2.5             | 2.5            |
| <b>Cannulation</b> | 1.15            | 1.15           | 1.15            | 1.15           |
|                    | Stainless Steel | Titanium       | Stainless Steel | Titanium       |
|                    | Short Thread    | Short Thread   | Long Thread     | Long Thread    |
|                    | Self-Tapping    | Self-Tapping   | Self-Tapping    | Self-Tapping   |
| <b>Length mm</b>   |                 |                |                 |                |
| 8                  | ROT-125-008 S   | ROT-125-008 TS |                 |                |
| 9                  | ROT-125-009 S   | ROT-125-009 TS |                 |                |
| 10                 | ROT-125-010 S   | ROT-125-010 TS |                 |                |
| 11                 | ROT-125-011 S   | ROT-125-011 TS |                 |                |
| 12                 | ROT-125-012 S   | ROT-125-012 TS |                 |                |
| 13                 | ROT-125-013 S   | ROT-125-013 TS |                 |                |
| 14                 | ROT-125-014 S   | ROT-125-014 TS | ROT-127-014 S   | ROT-127-014 TS |
| 15                 | ROT-125-015 S   | ROT-125-015 TS | ROT-127-015 S   | ROT-127-015 TS |
| 16                 | ROT-125-016 S   | ROT-125-016 TS | ROT-127-016 S   | ROT-127-016 TS |
| 17                 | ROT-125-017 S   | ROT-125-017 TS | ROT-127-017 S   | ROT-127-017 TS |
| 18                 | ROT-125-018 S   | ROT-125-018 TS | ROT-127-018 S   | ROT-127-018 TS |
| 19                 | ROT-125-019 S   | ROT-125-019 TS | ROT-127-019 S   | ROT-127-019 TS |
| 20                 | ROT-125-020 S   | ROT-125-020 TS | ROT-127-020 S   | ROT-127-020 TS |
| 21                 | ROT-125-021 S   | ROT-125-021 TS | ROT-127-021 S   | ROT-127-021 TS |
| 22                 | ROT-125-022 S   | ROT-125-022 TS | ROT-127-022 S   | ROT-127-022 TS |
| 23                 | ROT-125-023 S   | ROT-125-023 TS | ROT-127-023 S   | ROT-127-023 TS |
| 24                 | ROT-125-024 S   | ROT-125-024 TS | ROT-127-024 S   | ROT-127-024 TS |
| 25                 | ROT-125-025 S   | ROT-125-025 TS | ROT-127-025 S   | ROT-127-025 TS |
| 26                 | ROT-125-026 S   | ROT-125-026 TS | ROT-127-026 S   | ROT-127-026 TS |
| 27                 | ROT-125-027 S   | ROT-125-027 TS | ROT-127-027 S   | ROT-127-027 TS |
| 28                 | ROT-125-028 S   | ROT-125-028 TS | ROT-127-028 S   | ROT-127-028 TS |
| 29                 | ROT-125-029 S   | ROT-125-029 TS | ROT-127-029 S   | ROT-127-029 TS |
| 30                 | ROT-125-030 S   | ROT-125-030 TS | ROT-127-030 S   | ROT-127-030 TS |
| 32                 | ROT-125-032 S   | ROT-125-032 TS | ROT-127-032 S   | ROT-127-032 TS |
| 34                 | ROT-125-034 S   | ROT-125-034 TS | ROT-127-034 S   | ROT-127-034 TS |
| 36                 | ROT-125-036 S   | ROT-125-036 TS | ROT-127-036 S   | ROT-127-036 TS |
| 38                 | ROT-125-038 S   | ROT-125-038 TS | ROT-127-038 S   | ROT-127-038 TS |
| 40                 | ROT-125-040 S   | ROT-125-040 TS | ROT-127-040 S   | ROT-127-040 TS |



**2.7**



### Cancellous Screws 2.7 mm

### Durchbohrte Schrauben 2.7 mm

### Vis spongieuses 2.7 mm

**2.7 ø Cancellous Screws:** The main indication for using cancellous screws is when the cortex is thinner than 3.5 mm.

The short threaded screws are used for fractures of the femoral neck in adolescents; separated epiphysis and for certain fractures of the tibial plateau. The long threaded screws are used for fractures in the vicinity

of joints. The head has a hexagonal socket and the screw is inserted by using screwdriver.

**Material:** Certified Stainless Steel according to ASTM F.138 - ISO 5832/1. Certified Titanium alloy according to ASTM F.136 - ISO 5832/3.

| Thread diam. | 2.7             | 2.7            |
|--------------|-----------------|----------------|
| Core diam.   | 1.9             | 1.9            |
| Pitch        | 1.0             | 1.0            |
| Head diam.   | 5.0             | 5.0            |
| Hex. Socket  | 2.5             | 2.5            |
| Cannulation  | 1.15            | 1.15           |
|              | Stainless Steel | Titanium       |
|              | Fully Threaded  | Fully Threaded |
|              | Self-Tapping    | Self-Tapping   |
| Length mm    |                 |                |
| 10           | ROT-126-010 S   | ROT-126-010 TS |
| 11           | ROT-126-011 S   | ROT-126-011 TS |
| 12           | ROT-126-012 S   | ROT-126-012 TS |
| 13           | ROT-126-013 S   | ROT-126-013 TS |
| 14           | ROT-126-014 S   | ROT-126-014 TS |
| 15           | ROT-126-015 S   | ROT-126-015 TS |
| 16           | ROT-126-016 S   | ROT-126-016 TS |
| 17           | ROT-126-017 S   | ROT-126-017 TS |
| 18           | ROT-126-018 S   | ROT-126-018 TS |
| 19           | ROT-126-019 S   | ROT-126-019 TS |
| 20           | ROT-126-020 S   | ROT-126-020 TS |
| 21           | ROT-126-021 S   | ROT-126-021 TS |
| 22           | ROT-126-022 S   | ROT-126-022 TS |
| 23           | ROT-126-023 S   | ROT-126-023 TS |
| 24           | ROT-126-024 S   | ROT-126-024 TS |
| 25           | ROT-126-025 S   | ROT-126-025 TS |
| 26           | ROT-126-026 S   | ROT-126-026 TS |
| 27           | ROT-126-027 S   | ROT-126-027 TS |
| 28           | ROT-126-028 S   | ROT-126-028 TS |
| 29           | ROT-126-029 S   | ROT-126-029 TS |
| 30           | ROT-126-030 S   | ROT-126-030 TS |
| 32           | ROT-126-032 S   | ROT-126-032 TS |
| 34           | ROT-126-034 S   | ROT-126-034 TS |
| 36           | ROT-126-036 S   | ROT-126-036 TS |
| 38           | ROT-126-038 S   | ROT-126-038 TS |
| 40           | ROT-126-040 S   | ROT-126-040 TS |

### Cancellous Screws 3.5 mm

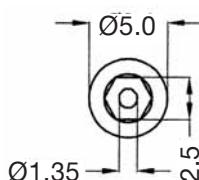
### Durchbohrte Schrauben 3.5 mm

### Vis spongieuses 3.5 mm

**3.5 ø Cancellous Screws:** The main indication for using cancellous screws is when the cortex is thinner than 3.5 mm.

The short threaded screws are used for fractures of the femoral neck in adolescents; separated epiphysis and for certain fractures of the tibial plateau. The long threaded screws are used for fractures in the vicinity of joints. The head has a hexagonal socket and the screw is inserted by using screwdriver.

**Material:** Certified Stainless Steel according to ASTM F.138 - ISO 5832/1. Certified Titanium alloy according to ASTM F.136 - ISO 5832/3.



3.5

| Thread diam. | 3.5             | 3.5            | 3.5             | 3.5            |
|--------------|-----------------|----------------|-----------------|----------------|
| Core diam.   | 2.5             | 2.5            | 2.5             | 2.5            |
| Pitch        | 1.25            | 1.25           | 1.25            | 1.25           |
| Head diam.   | 5.0             | 5.0            | 5.0             | 5.0            |
| Hex. Socket  | 2.5             | 2.5            | 2.5             | 2.5            |
| Cannulation  | 1.35            | 1.35           | 1.35            | 1.35           |
|              | Stainless Steel | Titanium       | Stainless Steel | Titanium       |
|              | Short Thread    | Short Thread   | Fully Threaded  | Fully Threaded |
|              | Self-Tapping    | Self-Tapping   | Self-Tapping    | Self-Tapping   |
| Length mm    |                 |                |                 |                |
| 10           | ROT-129-010 S   | ROT-129-010 TS | ROT-128-010 S   | ROT-128-010 TS |
| 12           | ROT-129-012 S   | ROT-129-012 TS | ROT-128-012 S   | ROT-128-012 TS |
| 14           | ROT-129-014 S   | ROT-129-014 TS | ROT-128-014 S   | ROT-128-014 TS |
| 16           | ROT-129-016 S   | ROT-129-016 TS | ROT-128-016 S   | ROT-128-016 TS |
| 18           | ROT-129-018 S   | ROT-129-018 TS | ROT-128-018 S   | ROT-128-018 TS |
| 20           | ROT-129-020 S   | ROT-129-020 TS | ROT-128-020 S   | ROT-128-020 TS |
| 22           | ROT-129-022 S   | ROT-129-022 TS | ROT-128-022 S   | ROT-128-022 TS |
| 24           | ROT-129-024 S   | ROT-129-024 TS | ROT-128-024 S   | ROT-128-024 TS |
| 26           | ROT-129-026 S   | ROT-129-026 TS | ROT-128-026 S   | ROT-128-026 TS |
| 28           | ROT-129-028 S   | ROT-129-028 TS | ROT-128-028 S   | ROT-128-028 TS |
| 30           | ROT-129-030 S   | ROT-129-030 TS | ROT-128-030 S   | ROT-128-030 TS |
| 32           | ROT-129-032 S   | ROT-129-032 TS | ROT-128-032 S   | ROT-128-032 TS |
| 34           | ROT-129-034 S   | ROT-129-034 TS | ROT-128-034 S   | ROT-128-034 TS |
| 36           | ROT-129-036 S   | ROT-129-036 TS | ROT-128-036 S   | ROT-128-036 TS |
| 38           | ROT-129-038 S   | ROT-129-038 TS | ROT-128-038 S   | ROT-128-038 TS |
| 40           | ROT-129-040 S   | ROT-129-040 TS | ROT-128-040 S   | ROT-128-040 TS |
| 42           | ROT-129-042 S   | ROT-129-042 TS | ROT-128-042 S   | ROT-128-042 TS |
| 44           | ROT-129-044 S   | ROT-129-044 TS | ROT-128-044 S   | ROT-128-044 TS |
| 46           | ROT-129-046 S   | ROT-129-046 TS | ROT-128-046 S   | ROT-128-046 TS |
| 48           | ROT-129-048 S   | ROT-129-048 TS | ROT-128-048 S   | ROT-128-048 TS |
| 50           | ROT-129-050 S   | ROT-129-050 TS | ROT-128-050 S   | ROT-128-050 TS |



4.5

### Cancellous Screws 4.5 mm

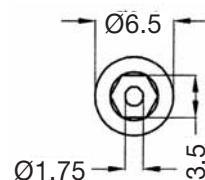
### Durchbohrte Schrauben 4.5 mm

### Vis spongieuses 4.5 mm

**4.5 ø Cancellous Screws:** The main indication for using cancellous screws is when the cortex is thinner than 3.5 mm.

The short threaded screws are used for fractures of the femoral neck in adolescents; separated epiphysis and for certain fractures of the tibial plateau. The long threaded screws are used for fractures in the vicinity of joints. The head has a hexagonal socket and the screw is inserted by using screwdriver.

**Material:** Certified Stainless Steel according to ASTM F.138 - ISO 5832/1. Certified Titanium alloy according to ASTM F.136 - ISO 5832/3.



| Thread diam. | 4.5             | 4.5            | 4.5             | 4.5            |
|--------------|-----------------|----------------|-----------------|----------------|
| Core diam.   | 3.2             | 3.2            | 3.2             | 3.2            |
| Pitch        | 1.75            | 1.75           | 1.75            | 1.75           |
| Head diam.   | 6.5             | 6.5            | 6.5             | 6.5            |
| Hex. Socket  | 3.5             | 3.5            | 3.5             | 3.5            |
| Cannulation  | 1.75            | 1.75           | 1.75            | 1.75           |
|              | Stainless Steel | Titanium       | Stainless Steel | Titanium       |
|              | Short Thread    | Short Thread   | Fully Threaded  | Fully Threaded |
|              | Self-Tapping    | Self-Tapping   | Self-Tapping    | Self-Tapping   |
| Length mm    |                 |                |                 |                |
| 20           | ROT-132-020 S   | ROT-132-020 TS | ROT-133-020 S   | ROT-133-020 TS |
| 22           | ROT-132-022 S   | ROT-132-022 TS | ROT-133-022 S   | ROT-133-022 TS |
| 24           | ROT-132-024 S   | ROT-132-024 TS | ROT-133-024 S   | ROT-133-024 TS |
| 26           | ROT-132-026 S   | ROT-132-026 TS | ROT-133-026 S   | ROT-133-026 TS |
| 28           | ROT-132-028 S   | ROT-132-028 TS | ROT-133-028 S   | ROT-133-028 TS |
| 30           | ROT-132-030 S   | ROT-132-030 TS | ROT-133-030 S   | ROT-133-030 TS |
| 32           | ROT-132-032 S   | ROT-132-032 TS | ROT-133-032 S   | ROT-133-032 TS |
| 34           | ROT-132-034 S   | ROT-132-034 TS | ROT-133-034 S   | ROT-133-034 TS |
| 36           | ROT-132-036 S   | ROT-132-036 TS | ROT-133-036 S   | ROT-133-036 TS |
| 38           | ROT-132-038 S   | ROT-132-038 TS | ROT-133-038 S   | ROT-133-038 TS |
| 40           | ROT-132-040 S   | ROT-132-040 TS | ROT-133-040 S   | ROT-133-040 TS |
| 42           | ROT-132-042 S   | ROT-132-042 TS | ROT-133-042 S   | ROT-133-042 TS |
| 44           | ROT-132-044 S   | ROT-132-044 TS | ROT-133-044 S   | ROT-133-044 TS |
| 46           | ROT-132-046 S   | ROT-132-046 TS | ROT-133-046 S   | ROT-133-046 TS |
| 48           | ROT-132-048 S   | ROT-132-048 TS | ROT-133-048 S   | ROT-133-048 TS |
| 50           | ROT-132-050 S   | ROT-132-050 TS | ROT-133-050 S   | ROT-133-050 TS |
| 52           | ROT-132-052 S   | ROT-132-052 TS | ROT-133-052 S   | ROT-133-052 TS |
| 54           | ROT-132-054 S   | ROT-132-054 TS | ROT-133-054 S   | ROT-133-054 TS |
| 56           | ROT-132-056 S   | ROT-132-056 TS | ROT-133-056 S   | ROT-133-056 TS |
| 60           | ROT-132-060 S   | ROT-132-060 TS | ROT-133-060 S   | ROT-133-060 TS |
| 64           | ROT-132-064 S   | ROT-132-064 TS | ROT-133-064 S   | ROT-133-064 TS |
| 68           | ROT-132-068 S   | ROT-132-068 TS | ROT-133-068 S   | ROT-133-068 TS |
| 72           | ROT-132-072 S   | ROT-132-072 TS | ROT-133-072 S   | ROT-133-072 TS |

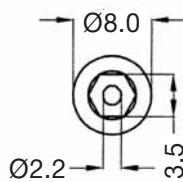
### Cancellous Screws 7.0 mm

### Durchbohrte Schrauben 7.0 mm

### Vis spongieuses 7.0 mm

**7.0 ø Cancellous Screws:** The main indication for using cancellous screws is when the cortex is thinner than 3.5 mm. The short threaded screws (16 mm) are used for fractures of the femoral neck in adolescents; separated epiphysis and for certain fractures of the tibial plateau. The long threaded screws (32 mm) are used for fractures in the vicinity of joints. The head has a hexagonal socket and the screw is inserted by using screwdriver.

**Material:** Certified Stainless Steel according to ASTM F.138 - ISO 5832/1. Certified Titanium alloy according to ASTM F.136 - ISO 5832/3.



7.0

| Thread diam. | 7.0                | 7.0                | 7.0             | 7.0            |
|--------------|--------------------|--------------------|-----------------|----------------|
| Core diam.   | 4.4                | 4.4                | 4.4             | 4.4            |
| Pitch        | 2.75               | 2.75               | 2.75            | 2.75           |
| Head diam.   | 8.0                | 8.0                | 8.0             | 8.0            |
| Hex. Socket  | 3.5                | 3.5                | 3.5             | 3.5            |
| Cannulation  | 2.2                | 2.2                | 2.2             | 2.2            |
|              | Stainless Steel    | Titanium           | Stainless Steel | Titanium       |
|              | Short Thread 16 mm | Short Thread 16 mm | Thread 32 mm    | Thread 32 mm   |
|              | Self-Tapping       | Self-Tapping       | Self-Tapping    | Self-Tapping   |
| Length mm    |                    |                    |                 |                |
| 25           | ROT-135-025 S      | ROT-135-025 TS     |                 |                |
| 30           | ROT-135-030 S      | ROT-135-030 TS     |                 |                |
| 35           | ROT-135-035 S      | ROT-135-035 TS     |                 |                |
| 40           | ROT-135-040 S      | ROT-135-040 TS     |                 |                |
| 45           | ROT-135-045 S      | ROT-135-045 TS     | ROT-136-045 S   | ROT-136-045 TS |
| 50           | ROT-135-050 S      | ROT-135-050 TS     | ROT-136-050 S   | ROT-136-050 TS |
| 55           | ROT-135-055 S      | ROT-135-055 TS     | ROT-136-055 S   | ROT-136-055 TS |
| 60           | ROT-135-060 S      | ROT-135-060 TS     | ROT-136-060 S   | ROT-136-060 TS |
| 65           | ROT-135-065 S      | ROT-135-065 TS     | ROT-136-065 S   | ROT-136-065 TS |
| 70           | ROT-135-070 S      | ROT-135-070 TS     | ROT-136-070 S   | ROT-136-070 TS |
| 75           | ROT-135-075 S      | ROT-135-075 TS     | ROT-136-075 S   | ROT-136-075 TS |
| 80           | ROT-135-080 S      | ROT-135-080 TS     | ROT-136-080 S   | ROT-136-080 TS |
| 85           | ROT-135-085 S      | ROT-135-085 TS     | ROT-136-085 S   | ROT-136-085 TS |
| 90           | ROT-135-090 S      | ROT-135-090 TS     | ROT-136-090 S   | ROT-136-090 TS |
| 95           | ROT-135-095 S      | ROT-135-095 TS     | ROT-136-095 S   | ROT-136-095 TS |
| 100          | ROT-135-100 S      | ROT-135-100 TS     | ROT-136-100 S   | ROT-136-100 TS |
| 105          | ROT-135-105 S      | ROT-135-105 TS     | ROT-136-105 S   | ROT-136-105 TS |
| 110          | ROT-135-110 S      | ROT-135-110 TS     | ROT-136-110 S   | ROT-136-110 TS |
| 115          | ROT-135-115 S      | ROT-135-115 TS     | ROT-136-115 S   | ROT-136-115 TS |
| 120          | ROT-135-120 S      | ROT-135-120 TS     | ROT-136-120 S   | ROT-136-120 TS |
| 125          | ROT-135-125 S      | ROT-135-125 TS     | ROT-136-125 S   | ROT-136-125 TS |
| 130          | ROT-135-130 S      | ROT-135-130 TS     | ROT-136-130 S   | ROT-136-130 TS |



7.0

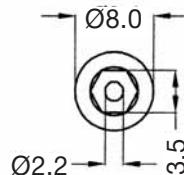
### Cancellous Screws 7.0 mm

### Durchbohrte Schrauben 7.0 mm

### Vis spongieuses 7.0 mm

**7.0 ø Cancellous Screws:** The main indication for using cancellous screws is when the cortex is thinner than 3.5 mm. The head has a hexagonal socket and the screw is inserted by using screwdriver.

**Material:** Certified Stainless Steel according to ASTM F.138 - ISO 5832/1. Certified Titanium alloy according to ASTM F.136 - ISO 5832/3.



| Thread diam. | 7.0             | 7.0            |
|--------------|-----------------|----------------|
| Core diam.   | 4.4             | 4.4            |
| Pitch        | 2.75            | 2.75           |
| Head diam.   | 8.0             | 8.0            |
| Hex. Socket  | 3.5             | 3.5            |
| Cannulation  | 2.2             | 2.2            |
|              | Stainless Steel | Titanium       |
|              | Fully Threaded  | Fully Threaded |
|              | Self-Tapping    | Self-Tapping   |
| Length mm    |                 |                |
| 25           | ROT-137-025 S   | ROT-137-025 TS |
| 30           | ROT-137-030 S   | ROT-137-030 TS |
| 35           | ROT-137-035 S   | ROT-137-035 TS |
| 40           | ROT-137-040 S   | ROT-137-040 TS |
| 45           | ROT-137-045 S   | ROT-137-045 TS |
| 50           | ROT-137-050 S   | ROT-137-050 TS |
| 55           | ROT-137-055 S   | ROT-137-055 TS |
| 60           | ROT-137-060 S   | ROT-137-060 TS |
| 65           | ROT-137-065 S   | ROT-137-065 TS |
| 70           | ROT-137-070 S   | ROT-137-070 TS |
| 75           | ROT-137-075 S   | ROT-137-075 TS |
| 80           | ROT-137-080 S   | ROT-137-080 TS |
| 85           | ROT-137-085 S   | ROT-137-085 TS |
| 90           | ROT-137-090 S   | ROT-137-090 TS |
| 95           | ROT-137-095 S   | ROT-137-095 TS |
| 100          | ROT-137-100 S   | ROT-137-100 TS |
| 105          | ROT-137-105 S   | ROT-137-105 TS |
| 110          | ROT-137-110 S   | ROT-137-110 TS |
| 115          | ROT-137-115 S   | ROT-137-115 TS |
| 120          | ROT-137-120 S   | ROT-137-120 TS |
| 125          | ROT-137-125 S   | ROT-137-125 TS |
| 130          | ROT-137-130 S   | ROT-137-130 TS |

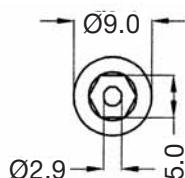
### Cancellous Screws 7.3 mm

### Durchbohrte Schrauben 7.3 mm

### Vis spongieuses 7.3 mm

**7.3 ø Cancellous Screws:** The main indication for using cancellous screws is when the cortex is thinner than 3.5 mm. The short threaded screws (16 mm) are used for fractures of the femoral neck in adolescents; separated epiphysis and for certain fractures of the tibial plateau. The long threaded screws (32 mm) are used for fractures in the vicinity of joints. The head has a hexagonal socket and the screw is inserted by using screwdriver.

**Material:** Certified Stainless Steel according to ASTM F.138 - ISO 5832/1. Certified Titanium alloy according to ASTM F.136 - ISO 5832/3.



7.3

| Thread diam. | 7.3                | 7.3                | 7.3             | 7.3            |
|--------------|--------------------|--------------------|-----------------|----------------|
| Core diam.   | 4.8                | 4.8                | 4.8             | 4.8            |
| Pitch        | 2.75               | 2.75               | 2.75            | 2.75           |
| Head diam.   | 9.0                | 9.0                | 9.0             | 9.0            |
| Hex. Socket  | 5.0                | 5.0                | 5.0             | 5.0            |
| Cannulation  | 2.9                | 2.9                | 2.9             | 2.9            |
|              | Stainless Steel    | Titanium           | Stainless Steel | Titanium       |
|              | Short Thread 16 mm | Short Thread 16 mm | Thread 32 mm    | Thread 32 mm   |
|              | Self-Tapping       | Self-Tapping       | Self-Tapping    | Self-Tapping   |
| Length mm    |                    |                    |                 |                |
| 30           | ROT-138-030 S      | ROT-138-030 TS     |                 |                |
| 35           | ROT-138-035 S      | ROT-138-035 TS     |                 |                |
| 40           | ROT-138-040 S      | ROT-138-040 TS     |                 |                |
| 45           | ROT-138-045 S      | ROT-138-045 TS     | ROT-139-045 S   | ROT-139-045 TS |
| 50           | ROT-138-050 S      | ROT-138-050 TS     | ROT-139-050 S   | ROT-139-050 TS |
| 55           | ROT-138-055 S      | ROT-138-055 TS     | ROT-139-055 S   | ROT-139-055 TS |
| 60           | ROT-138-060 S      | ROT-138-060 TS     | ROT-139-060 S   | ROT-139-060 TS |
| 65           | ROT-138-065 S      | ROT-138-065 TS     | ROT-139-065 S   | ROT-139-065 TS |
| 70           | ROT-138-070 S      | ROT-138-070 TS     | ROT-139-070 S   | ROT-139-070 TS |
| 75           | ROT-138-075 S      | ROT-138-075 TS     | ROT-139-075 S   | ROT-139-075 TS |
| 80           | ROT-138-080 S      | ROT-138-080 TS     | ROT-139-080 S   | ROT-139-080 TS |
| 85           | ROT-138-085 S      | ROT-138-085 TS     | ROT-139-085 S   | ROT-139-085 TS |
| 90           | ROT-138-090 S      | ROT-138-090 TS     | ROT-139-090 S   | ROT-139-090 TS |
| 95           | ROT-138-095 S      | ROT-138-095 TS     | ROT-139-095 S   | ROT-139-095 TS |
| 100          | ROT-138-100 S      | ROT-138-100 TS     | ROT-139-100 S   | ROT-139-100 TS |
| 105          | ROT-138-105 S      | ROT-138-105 TS     | ROT-139-105 S   | ROT-139-105 TS |
| 110          | ROT-138-110 S      | ROT-138-110 TS     | ROT-139-110 S   | ROT-139-110 TS |
| 115          | ROT-138-115 S      | ROT-138-115 TS     | ROT-139-115 S   | ROT-139-115 TS |
| 120          | ROT-138-120 S      | ROT-138-120 TS     | ROT-139-120 S   | ROT-139-120 TS |
| 125          | ROT-138-125 S      | ROT-138-125 TS     | ROT-139-125 S   | ROT-139-125 TS |
| 130          | ROT-138-130 S      | ROT-138-130 TS     | ROT-139-130 S   | ROT-139-130 TS |
| 135          | ROT-138-135 S      | ROT-138-135 TS     | ROT-139-135 S   | ROT-139-135 TS |
| 140          | ROT-138-140 S      | ROT-138-140 TS     | ROT-139-140 S   | ROT-139-140 TS |
| 145          | ROT-138-145 S      | ROT-138-145 TS     | ROT-139-145 S   | ROT-139-145 TS |
| 150          | ROT-138-150 S      | ROT-138-150 TS     | ROT-139-150 S   | ROT-139-150 TS |



**7.3**

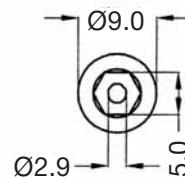
### Cancellous Screws 7.3 mm

### Durchbohrte Schrauben 7.3 mm

### Vis spongieuses 7.3 mm

**7.3 ø Cancellous Screws:** The main indication for using cancellous screws is when the cortex is thinner than 3.5 mm. The short threaded screws (16 mm) are used for fractures of the femoral neck in adolescents; separated epiphysis and for certain fractures of the tibial plateau. The long threaded screws (32 mm) are used for fractures in the vicinity of joints. The head has a hexagonal socket and the screw is inserted by using screwdriver.

**Material:** Certified Stainless Steel according to ASTM F.138 - ISO 5832/1. Certified Titanium alloy according to ASTM F.136 - ISO 5832/3.



| Thread diam. | 7.3                    | 7.3                   |
|--------------|------------------------|-----------------------|
| Core diam.   | 4.8                    | 4.8                   |
| Pitch        | 2.75                   | 2.75                  |
| Head diam.   | 9.0                    | 9.0                   |
| Hex. Socket  | 5.0                    | 5.0                   |
| Cannulation  | 2.9                    | 2.9                   |
|              | <b>Stainless Steel</b> | <b>Titanium</b>       |
|              | <b>Fully Threaded</b>  | <b>Fully Threaded</b> |
|              | <b>Self-Tapping</b>    | <b>Self-Tapping</b>   |
| Length mm    |                        |                       |
| 25           | ROT-140-025 S          | ROT-140-025 TS        |
| 30           | ROT-140-030 S          | ROT-140-030 TS        |
| 35           | ROT-140-035 S          | ROT-140-035 TS        |
| 40           | ROT-140-040 S          | ROT-140-040 TS        |
| 45           | ROT-140-045 S          | ROT-140-045 TS        |
| 50           | ROT-140-050 S          | ROT-140-050 TS        |
| 55           | ROT-140-055 S          | ROT-140-055 TS        |
| 60           | ROT-140-060 S          | ROT-140-060 TS        |
| 65           | ROT-140-065 S          | ROT-140-065 TS        |
| 70           | ROT-140-070 S          | ROT-140-070 TS        |
| 75           | ROT-140-075 S          | ROT-140-075 TS        |
| 80           | ROT-140-080 S          | ROT-140-080 TS        |
| 85           | ROT-140-085 S          | ROT-140-085 TS        |
| 90           | ROT-140-090 S          | ROT-140-090 TS        |
| 95           | ROT-140-095 S          | ROT-140-095 TS        |
| 100          | ROT-140-100 S          | ROT-140-100 TS        |
| 105          | ROT-140-105 S          | ROT-140-105 TS        |
| 110          | ROT-140-110 S          | ROT-140-110 TS        |
| 115          | ROT-140-115 S          | ROT-140-115 TS        |
| 120          | ROT-140-120 S          | ROT-140-120 TS        |
| 125          | ROT-140-125 S          | ROT-140-125 TS        |
| 130          | ROT-140-130 S          | ROT-140-130 TS        |

**Herbert Screw Hand system**
**Herbert Schrauben Hand System**
**Vis à Herbert**

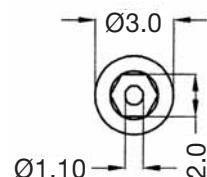
**Indication:** The Herbert cannulated bone screws has unique design that allows repairs to be made in a manner actually fosters healing.

**Material:** The Herbert screws is manufactured from titanium Ti6Al4V according to ASTM F.136 - ISO 5832/3. which has been specifically designed for the manufacture of orthopaedic implants. This alloy characterized by demonstrating excellent biocompatibility together with a high resistance of corrosion and superiormechanical strength.



3.0

| Ref. No<br>Titanium | Schraubenlänge<br>Screw length<br>mm | Gewindelänge<br>thread length<br>mm |
|---------------------|--------------------------------------|-------------------------------------|
| ROT-141-010 T       | 10                                   | 3.30                                |
| ROT-141-012 T       | 12                                   | 3.90                                |
| ROT-141-014 T       | 14                                   | 4.50                                |
| ROT-141-016 T       | 16                                   | 5.10                                |
| ROT-141-018 T       | 18                                   | 5.80                                |
| ROT-141-020 T       | 20                                   | 6.40                                |
| ROT-141-022 T       | 22                                   | 7.00                                |
| ROT-141-024 T       | 24                                   | 7.70                                |
| ROT-141-026 T       | 26                                   | 8.30                                |
| ROT-141-028 T       | 28                                   | 9.00                                |
| ROT-141-030 T       | 30                                   | 9.60                                |





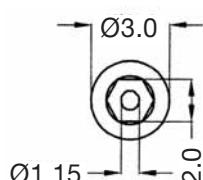
### Herbert Screw Foot system

### Herbert Schrauben Fuss System

### Vis à Herbert

**Indication:** The Herbert cannulated bone screws has unique design that allows repairs to be made in a manner actually fosters healing.

**Material:** The Herbert screws is manufactured from titanium Ti6Al4V according to ASTM F.136 - ISO 5832/3. which has been specifically designed for the manufacture of orthopaedic implants. This alloy characterized by demonstrating excellent biocompatibility together with a high resistance of corrosion and superiormechanical strength.



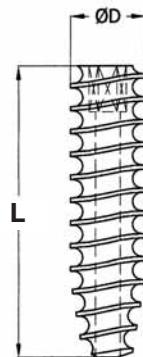
| Ref. No<br>Titanium | Schraubenlänge<br>Screw length<br>mm | Gewindelänge<br>thread length<br>mm |
|---------------------|--------------------------------------|-------------------------------------|
| ROT-142-010 T       | 10                                   | 5.00                                |
| ROT-142-012 T       | 12                                   | 7.00                                |
| ROT-142-014 T       | 14                                   | 7.00                                |
| ROT-142-016 T       | 16                                   | 7.00                                |
| ROT-142-018 T       | 18                                   | 7.00                                |
| ROT-142-020 T       | 20                                   | 7.00                                |
| ROT-142-022 T       | 22                                   | 10.00                               |
| ROT-142-024 T       | 24                                   | 10.00                               |
| ROT-142-026 T       | 26                                   | 10.00                               |
| ROT-142-028 T       | 28                                   | 10.00                               |
| ROT-142-030 T       | 30                                   | 10.00                               |
| ROT-142-032 T       | 32                                   | 10.00                               |
| ROT-142-034 T       | 34                                   | 10.00                               |
| ROT-142-036 T       | 36                                   | 10.00                               |

### Interference screws, cannulated with head

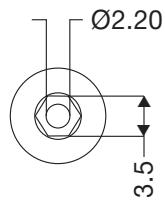
### Interferenzschrauben, durchbohrt mit Kopf

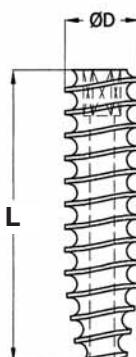
**Indication:** The core of the screw is large for optimum contact of the graft with the spongy part of the wall in bone tunnel - The diameter of the screw core is increased at its head to provide firm grip with cortical bone in tunnel. The screw is cannulated to provide passage for mandril preventing any deviation in spongy bone - The mandril also enables an easy exchange of the screw if case arises. Softly rounded thread edge - Large pitch thread to reduce excessive rubbing with fibers.

**Material:** The cannulated interference screws are manufactured from titanium Ti6Al4V according to ASTM F.136 - ISO 5832/3, which has been specifically designed for the manufacture of orthopaedic implants. This alloy characterized by demonstrating excellent biocompatibility together with a high resistance of corrosion and superior mechanical strength.



| Ref. No<br>Titanium | Diameter mm<br>Durchmesser mm | Screw length mm<br>Schraubenlänge mm |
|---------------------|-------------------------------|--------------------------------------|
| ROT-145020-07 T     | 7                             | 20                                   |
| ROT-145025-07 T     | 7                             | 25                                   |
| ROT-145030-07 T     | 7                             | 30                                   |
| ROT-145020-08 T     | 8                             | 20                                   |
| ROT-145025-08 T     | 8                             | 25                                   |
| ROT-145030-08 T     | 8                             | 30                                   |
| ROT-145020-09 T     | 9                             | 20                                   |
| ROT-145025-09 T     | 9                             | 25                                   |
| ROT-145030-09 T     | 9                             | 30                                   |



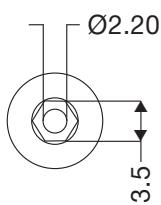


### Interference screws, cannulated without head

### Interferenzschrauben, durchbohrt ohne Kopf

**Indication:** The core of the screw is large for optimum contact of the graft with the spongy part of the wall in bone tunnel - The diameter of the screw core is increased at its head to provide firm grip with cortical bone in tunnel. The screw is cannulated to provide passage for mandril preventing any deviation in spongy bone - The mandril also enables an easy exchange of the screw if case arises. Softly rounded thread edge - Large pitch thread to reduce excessive rubbing with fibers.

**Material:** The cannulated interference screws are manufactured from titanium Ti6Al4V according to ASTM F.136 - ISO 5832/3, which has been specifically designed for the manufacture of orthopaedic implants. This alloy characterized by demonstrating excellent biocompatibility together with a high resistance of corrosion and superiormechanical strength.



| Ref. No<br>Titanium | Diameter mm<br>Durchmesser mm | Screw length mm<br>Schraubenlänge mm |
|---------------------|-------------------------------|--------------------------------------|
| ROT-146020-07 T     | 7                             | 20                                   |
| ROT-146025-07 T     | 7                             | 25                                   |
| ROT-146030-07 T     | 7                             | 30                                   |
| ROT-146020-08 T     | 8                             | 20                                   |
| ROT-146025-08 T     | 8                             | 25                                   |
| ROT-146030-08 T     | 8                             | 30                                   |
| ROT-146020-09 T     | 9                             | 20                                   |
| ROT-146025-09 T     | 9                             | 25                                   |
| ROT-146030-09 T     | 9                             | 30                                   |

## Washers for screws

### Unterlagscheibe für Schrauben

**Material:** Certified Stainless Steel according to ASTM F.138 - ISO 5832/1. Certified Titanium alloy according to ASTM F.136 - ISO 5832/3.

| Outside diameter<br>Aussendurchmesser | Washer Thickness<br>Scheibenstärke |
|---------------------------------------|------------------------------------|
|---------------------------------------|------------------------------------|

For screws / für Schrauben / pour Vis

Ø 4.5 mm / Ø 6.5 mm / Ø 7.0 mm / Ø 7.3 mm

|                 |          |        |               |
|-----------------|----------|--------|---------------|
| Stainless Steel | 13.00 mm | 1.5 mm | ROT-199-130   |
| Titanium        | 13.00 mm | 1.5 mm | ROT-199-130 T |



13 mm

For cannulated screws / für durchbohrte Schrauben

Ø 4.5 mm / Ø 6.5 mm / Ø 7.0 mm / Ø 7.3 mm

|                 |          |        |               |
|-----------------|----------|--------|---------------|
| Stainless Steel | 10.00 mm | 1.0 mm | ROT-199-100   |
| Titanium        | 10.00 mm | 1.0 mm | ROT-199-100 T |



10 mm

For screws / für Schrauben / pour Vis

Ø 2.7 mm / Ø 3.5 mm / Ø 4.0 mm

|                 |         |        |               |
|-----------------|---------|--------|---------------|
| Stainless Steel | 7.00 mm | 0.8 mm | ROT-199-070   |
| Titanium        | 7.00 mm | 0.8 mm | ROT-199-070 T |



7 mm

For screws / für Schrauben / pour Vis

Ø 1.5 mm / Ø 2.0 mm

|                 |         |        |               |
|-----------------|---------|--------|---------------|
| Stainless Steel | 4.50 mm | 0.6 mm | ROT-199-045   |
| Titanium        | 4.50 mm | 0.6 mm | ROT-199-045 T |



4.5 mm

Nut for cortical screws / Mutter für Kortikalisschrauben

Ø 4.5 mm

|                 |          |  |               |
|-----------------|----------|--|---------------|
| Stainless Steel | 11.00 mm |  | ROT-198-110   |
| Titanium        | 11.00 mm |  | ROT-198-110 T |



11 mm


**Broad Compression plates MC-DCP 4.5 mm**
**Breit Kompressionsplatten MC-DCP 4.5 mm**
**Plaque à compression large MC-DCP 4.5 mm**

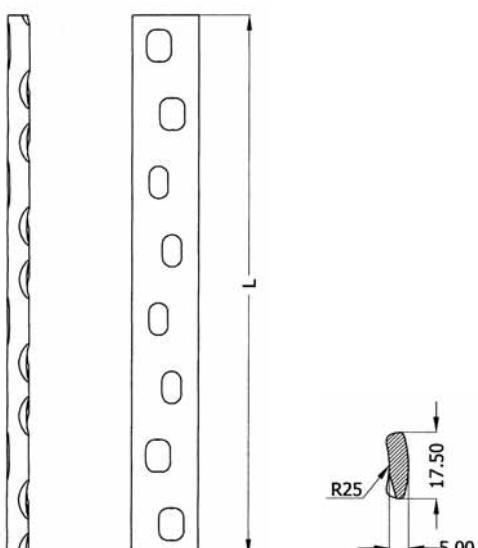
**Indication:** Used for pseudarthrosis of the humerus and as a tension band plate for femoral fractures. **Not for use on the tibia.** The MC-DCP holes allow compression in both directions of the longitudinal axis. MC-DCP: Minimal contact dynamic compression plate.

**Plate details:** Use broad plates with 6 or 7 holes in exceptional cases only on humerus.

**Plate thickness:** 5.0 mm
 
**Plate width:** 17.5 mm
 
**Hole spacing:** 18.0 mm
 

**Screws to be used:** All holes accept diam. 4.5 mm cortical screws. The end hole can be used for diam. 6.5 mm cancellous screws. Under undercuts for vascular preservation.

**Material:** Certified Stainless Steel according to ASTM F.138 - ISO 5832/1. Certified Titanium alloy according to ASTM F.136 - ISO 5832-3



| Ref. No<br>Stainless Steel | Ref. No<br>Titanium | Holes | Length<br>mm |
|----------------------------|---------------------|-------|--------------|
| ROT-201106-06              | ROT-201106-06 T     | 6     | 106          |
| ROT-201124-07              | ROT-201124-07 T     | 7     | 124          |
| ROT-201142-08              | ROT-201142-08 T     | 8     | 142          |
| ROT-201160-09              | ROT-201160-09 T     | 9     | 160          |
| ROT-201178-10              | ROT-201178-10 T     | 10    | 178          |
| ROT-201196-11              | ROT-201196-11 T     | 11    | 196          |
| ROT-201214-12              | ROT-201214-12 T     | 12    | 214          |
| ROT-201232-13              | ROT-201232-13 T     | 13    | 232          |
| ROT-201250-14              | ROT-201250-14 T     | 14    | 250          |
| ROT-201268-15              | ROT-201268-15 T     | 15    | 268          |
| ROT-201286-16              | ROT-201286-16 T     | 16    | 286          |
| ROT-201304-17              | ROT-201304-17 T     | 17    | 304          |
| ROT-201322-18              | ROT-201322-18 T     | 18    | 322          |

**Narrow Plate MC-DCP 4.5 mm**
**Schmalplatte MC-DCP 4.5 mm**
**Plaque étroite MC-DCP 4.5 mm**

**Indication:** Used as a neutralisation and tension band plate for fractures of forearm, humerus and tibia. **Not for use on the femur.** The MC-DCP holes allow compression in both directions of the longitudinal axis. MC-DCP: Minimal contact dynamic compression plate.

**Plate details:** Use broad plates with 6 or 7 holes in exceptional cases only on humerus.

**Plate thickness:** 4.6 mm

**Plate width:** 13.5 mm

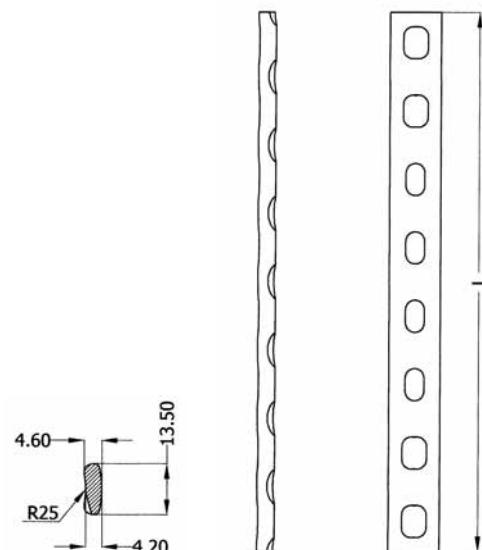
**Hole spacing:** 18.0 mm

**Screws to be used:** All holes accept diam. 4.5 mm cortical screws. The end hole can be used for diam. 6.5 mm cancellous screws.

**Material:** Certified Stainless Steel according to ASTM F.138 - ISO 5832/1. Certified Titanium alloy according to ASTM F.136 - ISO 5832-3



| Ref. No<br>Stainless Steel | Ref. No<br>Titanium | Holes | Length<br>mm |
|----------------------------|---------------------|-------|--------------|
| ROT-202034-02              | ROT-202034-02 T     | 2     | 34           |
| ROT-202052-03              | ROT-202052-03 T     | 3     | 52           |
| ROT-202070-04              | ROT-202070-04 T     | 4     | 70           |
| ROT-202088-05              | ROT-202088-05 T     | 5     | 88           |
| ROT-202106-06              | ROT-202106-06 T     | 6     | 106          |
| ROT-202124-07              | ROT-202124-07 T     | 7     | 124          |
| ROT-202142-08              | ROT-202142-08 T     | 8     | 142          |
| ROT-202160-09              | ROT-202160-09 T     | 9     | 160          |
| ROT-202178-10              | ROT-202178-10 T     | 10    | 178          |
| ROT-202196-11              | ROT-202196-11 T     | 11    | 196          |
| ROT-202214-12              | ROT-202214-12 T     | 12    | 214          |
| ROT-202232-13              | ROT-202232-13 T     | 13    | 232          |
| ROT-202250-14              | ROT-202250-14 T     | 14    | 250          |
| ROT-202268-15              | ROT-202268-15 T     | 15    | 268          |
| ROT-202286-16              | ROT-202286-16 T     | 16    | 286          |



**Narrow Plate MC-DCP 3.5 mm****Schmalplatte MC-DCP 3.5 mm****Plaque étroite MC-DCP 3.5 mm**

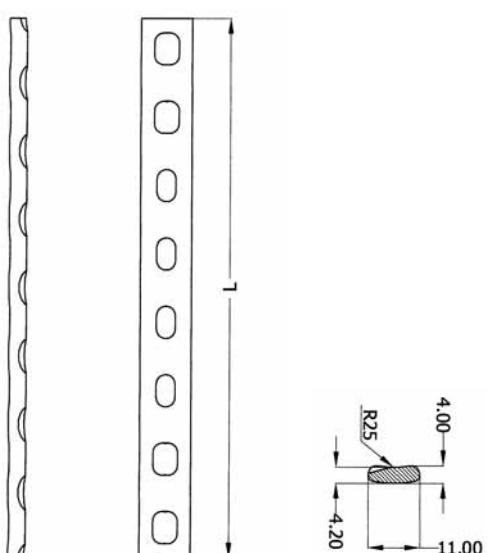
**Indication:** Used for smaller bones particularly ulna and radius. The MC-DCP holes allow compression in both directions of the longitudinal axis.  
**MC-DCP:** Minimal contact dynamic compression plate.

**Plate details:**  
 Plate profile 4.0 x 11.0 mm

**Plate thickness:** 4.0 mm**Plate width:** 11.0 mm**Hole spacing:** 13.0 mm

**Screws to be used:** Fixation with 3.5 mm small cortical screws and 4.0 mm small cancellous screws.

**Material:** Certified Stainless Steel according to ASTM F.138 - ISO 5832/1. Certified Titanium alloy according to ASTM F.136 - ISO 5832-3



| Ref. No<br>Stainless Steel | Ref. No<br>Titanium | Holes | Length<br>mm |
|----------------------------|---------------------|-------|--------------|
| ROT-203051-04              | ROT-203051-04 T     | 4     | 51           |
| ROT-203064-05              | ROT-203064-05 T     | 5     | 64           |
| ROT-203077-06              | ROT-203077-06 T     | 6     | 77           |
| ROT-203090-07              | ROT-203090-07 T     | 7     | 90           |
| ROT-203103-08              | ROT-203103-08 T     | 8     | 103          |
| ROT-203116-09              | ROT-203116-09 T     | 9     | 116          |
| ROT-203129-10              | ROT-203129-10 T     | 10    | 129          |
| ROT-203142-11              | ROT-203142-11 T     | 11    | 142          |
| ROT-203155-12              | ROT-203155-12 T     | 12    | 155          |

**Broad lengthening Plate 4.5 mm with 8 and 10 holes**

**Großfragment 1/4-Rohr, breite Verlängerungsplatte 4.5 mm mit 8 und 10 Löcher**

**Plaque d'allogement large 4.5 mm à 8 et 10 trous**

**Indication:** Used for the lengthening osteotomies of the femur. Slot for articulated tension device for distraction or compression.

**Screws to be used:** Fixation with diam. 4.5 mm cortical screws. 6.5 mm cancellous screw may also be used in the end holes. Slot for distraction or compression with articulated tension device.

**Plate details:** Plate profile 16.0 mm x 5.0 mm

**Plate thickness:** 5.0 mm

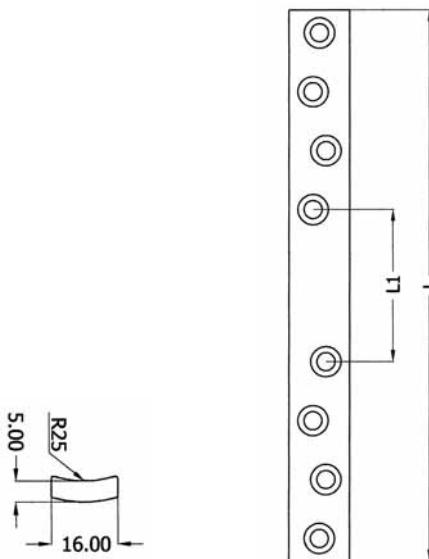
**Plate width:** 16.0 mm

**Hole spacing:** 15.5 mm for 8 Holes  
14.5 mm for 10 Holes

**Material:** Certified Stainless Steel according to ASTM F.138 - ISO 5832/1.



| Ref. No       | Lengthening L1 | Holes | Length L mm |
|---------------|----------------|-------|-------------|
| ROT-204135-08 | 30             | 8     | 135         |
| ROT-204145-08 | 40             | 8     | 145         |
| ROT-204155-08 | 50             | 8     | 155         |
| ROT-204165-08 | 60             | 8     | 165         |
| ROT-204175-08 | 70             | 8     | 175         |
| ROT-204170-10 | 40             | 10    | 170         |
| ROT-204180-10 | 50             | 10    | 180         |
| ROT-204190-10 | 60             | 10    | 190         |
| ROT-204200-10 | 70             | 10    | 200         |
| ROT-204210-10 | 80             | 10    | 210         |
| ROT-204220-10 | 90             | 10    | 220         |
| ROT-204230-10 | 100            | 10    | 230         |
| ROT-204240-10 | 110            | 10    | 240         |
| ROT-204250-10 | 120            | 10    | 250         |





**Narrow lengthening Plate 4.5 mm with 8 holes**

**Großfragment 1/4-Rohr, schmal Verlängerungsplatte 4.5 mm mit  
8 Löcher**

**Plaque d'allogement étroite 4.5 mm à 8 trous**

**Indication:** Used for the lengthening osteotomies of the tibia. Slot for articulated tension device for distraction or compression.

**Plate details:** Plate profile 12.0 mm x 4.0 mm

**Plate thickness:** 4.0 mm

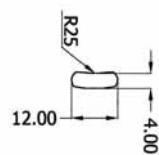
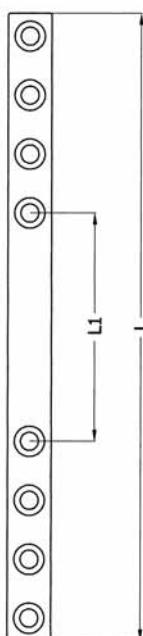
**Plate width:** 12.0 mm

**Hole spacing:** 15.5 mm for 8 Holes

14.5 mm for 10 Holes

**Screws to be used:** Fixation with diam. 4.5 mm cortical screws. 6.5 mm cancellous screw may also be used in the end holes. Slot for distraction or compression with articulated tension device.

**Material:** Certified Stainless Steel according to ASTM F.138 - ISO 5832/1.



| Ref. No       | Lengthening L1 | Holes | Length L mm |
|---------------|----------------|-------|-------------|
| ROT-205135-08 | 30             | 8     | 135         |
| ROT-205145-08 | 40             | 8     | 145         |
| ROT-205155-08 | 50             | 8     | 155         |
| ROT-205165-08 | 60             | 8     | 165         |
| ROT-205175-08 | 70             | 8     | 175         |
| ROT-205185-08 | 80             | 8     | 185         |

**Broad Plate 4.5 mm**

**Großfragment 1/4-Rohr, breite Platten 4.5 mm**

**Plaque large 4.5 mm**

**Indication:** Used for pseudarthrosis of humerus and as a tension band plate for femoral fractures. Not for use on the tibia. Compression is achieved by use tension device.

**Plate details:** Use plates with 6 or 7 holes in exceptional cases only on humerus.

**Plate thickness:** 5.0 mm

**Plate width:** 16.0 mm

**Hole spacing:** 16.0 mm

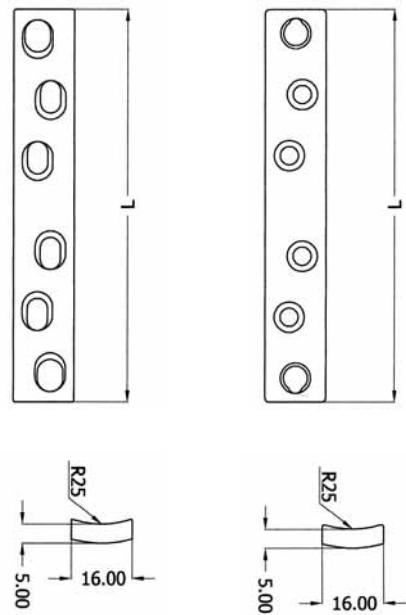
**Screws to be used:** All holes accept diam. 4.5 mm cortical screws.

The end hole can be used for diam. 6.5 mm cancellous screws.

**Material:** Certified Stainless Steel according to ASTM F.138 - ISO 5832/1.



| Ref. No<br>DCP Holes<br>Stainless Steel | Ref. No<br>DCP Holes<br>Titan | Holes | Length<br>mm |
|-----------------------------------------|-------------------------------|-------|--------------|
| ROT-206087-05 D                         | ROT-206087-05 DT              | 5     | 87           |
| ROT-206103-06 D                         | ROT-206103-06 DT              | 6     | 103          |
| ROT-206119-07 D                         | ROT-206119-07 DT              | 7     | 119          |
| ROT-206135-08 D                         | ROT-206135-08 DT              | 8     | 135          |
| ROT-206151-09 D                         | ROT-206151-09 DT              | 9     | 151          |
| ROT-206167-10 D                         | ROT-206167-10 DT              | 10    | 167          |
| ROT-206183-11 D                         | ROT-206183-11 DT              | 11    | 183          |
| ROT-206199-12 D                         | ROT-206199-12 DT              | 12    | 199          |
| ROT-206215-13 D                         | ROT-206215-13 DT              | 13    | 215          |
| ROT-206231-14 D                         | ROT-206231-14 DT              | 14    | 231          |
| ROT-206247-15 D                         | ROT-206247-15 DT              | 15    | 247          |
| ROT-206263-16 D                         | ROT-206263-16 DT              | 16    | 263          |
| ROT-206279-17 D                         | ROT-206279-17 DT              | 17    | 279          |
| ROT-206295-18 D                         | ROT-206295-18 DT              | 18    | 295          |
| ROT-206327-20 D                         |                               | 20    | 327          |
| ROT-206359-22 D                         |                               | 22    | 359          |
| ROT-206391-24 D                         |                               | 24    | 391          |



**Narrow Plate 4.5 mm****Großfragment 1/4-Rohr, schmale Platten 4.5 mm****Plaque étroite 4.5 mm**

**Indication:** Used as neutralization and tension band plates for fractures of forearm, humerus and tibia. Compression achieved through the use of the tension device.

**Plate details:** Use plates with 2,3 or 4 holes in exceptional cases only.

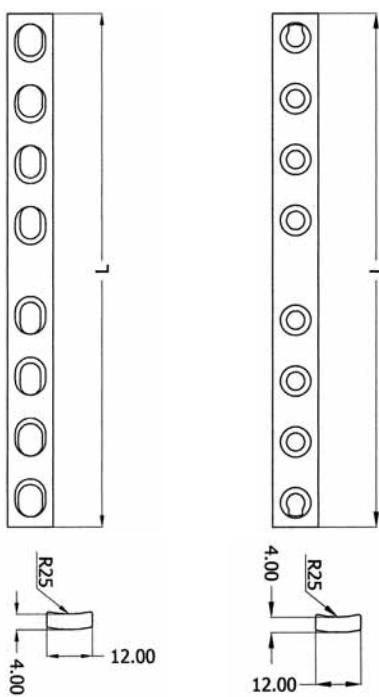
**Plate thickness:** 4.0 mm

**Plate width:** 12.0 mm

**Hole spacing:** 16.0 mm

**Screws to be used:** All holes accept diam. 4.5 mm cortical screws. The end of holes are designed for cancellous bone screws. Plates are slotted to accept a tension device.

**Material:** Certified Stainless Steel according to ASTM F.138 - ISO 5832/1.



| Ref. No<br>DCP Holes<br>Stainless Steel | Ref. No<br>DCP Holes<br>Titan | Holes | Length<br>mm |
|-----------------------------------------|-------------------------------|-------|--------------|
| ROT-207039-02 D                         | ROT-207039-02 DT              | 2     | 39           |
| ROT-207055-03 D                         | ROT-207055-03 DT              | 3     | 55           |
| ROT-207071-04 D                         | ROT-207071-04 DT              | 4     | 71           |
| ROT-207087-05 D                         | ROT-207087-05 DT              | 5     | 87           |
| ROT-207103-06 D                         | ROT-207103-06 DT              | 6     | 103          |
| ROT-207119-07 D                         | ROT-207119-07 DT              | 7     | 119          |
| ROT-207135-08 D                         | ROT-207135-08 DT              | 8     | 135          |
| ROT-207151-09 D                         | ROT-207151-09 DT              | 9     | 151          |
| ROT-207167-10 D                         | ROT-207167-10 DT              | 10    | 167          |
| ROT-207183-11 D                         | ROT-207183-11 DT              | 11    | 183          |
| ROT-207199-12 D                         | ROT-207199-12 DT              | 12    | 199          |
| ROT-207215-13 D                         | ROT-207215-13 DT              | 13    | 215          |
| ROT-207231-14 D                         | ROT-207231-14 DT              | 14    | 231          |
| ROT-207247-15 D                         | ROT-207247-15 DT              | 15    | 247          |
| ROT-207263-16 D                         | ROT-207263-16 DT              | 16    | 263          |
| ROT-207295-18 D                         | ROT-207295-18 DT              | 18    | 295          |
| ROT-207327-20 D                         |                               | 20    | 327          |
| ROT-207359-22 D                         |                               | 22    | 359          |
| ROT-207391-24 D                         |                               | 24    | 391          |

**Narrow plate 3.5 mm**
**Schmale Platten 3.5 mm**
**Plaque étroite 3.5 mm**

**Indication:** Used for smaller bones particularly ulna and radius. Compression achieved through individual hole design, in which engagement between the spherical undersurface of screw head and sloping base of the elongated screw hole, creates relatively movement between bone and plate in the direction of the fracture site, so compressing the fracture. Compression can also be achieved using the tension device.

**Plate details:**

Plate profile 11.0 x 2.50

**Plate thickness:** 2.5 mm

**Plate width:** 11.0 mm

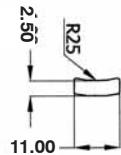
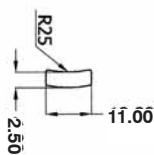
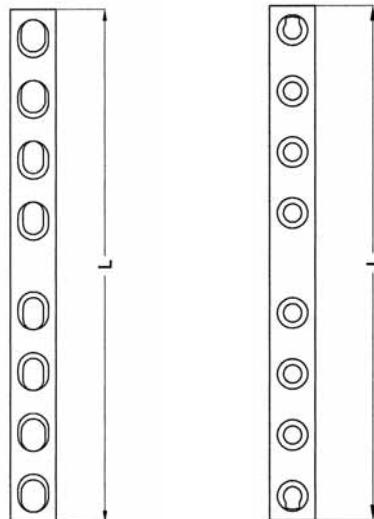
**Hole spacing:** 16.0 mm

**Screws to be used:** All holes accept diam. 3.5 mm cortical screws and diam. 4.0 mm small cancellous screws.

**Material:** Certified Stainless Steel according to ASTM F.138 - ISO 5832/1.



| Ref. No          | Holes | Length<br>mm |
|------------------|-------|--------------|
| <b>DCP Holes</b> |       |              |
| ROT-208039-02 D  | 2     | 39           |
| ROT-208055-03 D  | 3     | 55           |
| ROT-208071-04 D  | 4     | 71           |
| ROT-208087-05 D  | 5     | 87           |
| ROT-208103-06 D  | 6     | 103          |
| ROT-208119-07 D  | 7     | 119          |
| ROT-208135-08 D  | 8     | 135          |
| ROT-208151-09 D  | 9     | 151          |
| ROT-208167-10 D  | 10    | 167          |
| ROT-208183-11 D  | 11    | 183          |
| ROT-208199-12 D  | 12    | 199          |



**Small Fragment Plate 3.5 mm****Kleinfragmentplatte 3.5 mm****Mini - plaque à compression 3.5 mm**

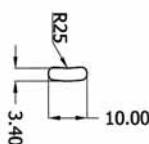
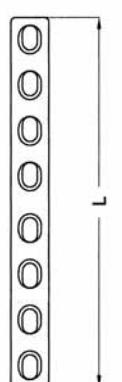
**Indication:** Used for the treatment of smaller bones, particularly radius and cubitus. Compression is achieved through individual hole design, in which engagement between the spherical undersurface of the screw head and sloping base of elongated screw hole, creates relative movement between bone and plate in the direction of the fracture site, so compression can also be achieved using the tension device.

**Plate details:**

Plate profile 3.4 x 10.0 mm

**Plate thickness:** 3.4 mm**Plate width:** 10.0 mm**Hole spacing:** 12.0 mm**Screws to be used:** Fixation with diam. 3.5 mm small cortical screws.

**Material:** Certified Stainless Steel according to ASTM F.138 - ISO 5832/1.



| Ref. No<br>DCP Holes<br>Stainless Steel | Ref. No<br>DCP Holes<br>Titan | Holes | Length<br>mm |
|-----------------------------------------|-------------------------------|-------|--------------|
| ROT-209026-02 D                         | ROT-209026-02 DT              | 2     | 26           |
| ROT-209038-03 D                         | ROT-209038-03 DT              | 3     | 38           |
| ROT-209050-04 D                         | ROT-209050-04 DT              | 4     | 50           |
| ROT-209062-05 D                         | ROT-209062-05 DT              | 5     | 62           |
| ROT-209074-06 D                         | ROT-209074-06 DT              | 6     | 74           |
| ROT-209086-07 D                         | ROT-209086-07 DT              | 7     | 86           |
| ROT-209098-08 D                         | ROT-209098-08 DT              | 8     | 98           |
| ROT-209110-09 D                         | ROT-209110-09 DT              | 9     | 110          |
| ROT-209122-10 D                         | ROT-209122-10 DT              | 10    | 122          |
| ROT-209134-11 D                         | ROT-209134-11 DT              | 11    | 134          |
| ROT-209146-12 D                         | ROT-209146-12 DT              | 12    | 146          |
| ROT-209158-13 D                         |                               | 13    | 158          |
| ROT-209170-14 D                         |                               | 14    | 170          |
| ROT-209182-15 D                         |                               | 15    | 182          |
| ROT-209194-16 D                         |                               | 16    | 194          |
| ROT-209218-18 D                         |                               | 18    | 218          |

**Semi-Tubular Plate 4.5 mm**
**Halbrohrplatte 4.5 mm**
**Plaque demi-tube 4.5 mm**

**Indication:** Primarily indicated for areas of low stress such as forearm-radius recommended for the fractures of fibula. Compression is applied by eccentric positioning of the screw against the side of the screw hole furthest from the fracture line

**Plate details:**

Profile half of a 12.0 mm tube.

**Plate thickness:** 1.0 mm

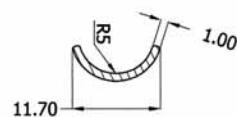
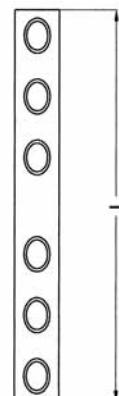
**Plate width:** 11.7 mm

**Hole spacing:** 16.0 mm

**Screws to be used:** Fixation with diam. 4.5 mm cortical screws and diam. 6.5 mm cancellous screws.

**Material:** Certified Stainless Steel according to ASTM F.138 - ISO 5832/1.


| Ref. No<br>DCP Holes<br>Stainless Steel | Ref. No<br>DCP Holes<br>Titan | Holes | Length<br>mm |
|-----------------------------------------|-------------------------------|-------|--------------|
| ROT-210039-02 D                         | ROT-210039-02 DT              | 2     | 39           |
| ROT-210055-03 D                         | ROT-210055-03 DT              | 3     | 55           |
| ROT-210071-04 D                         | ROT-210071-04 DT              | 4     | 71           |
| ROT-210087-05 D                         | ROT-210087-05 DT              | 5     | 87           |
| ROT-210103-06 D                         | ROT-210103-06 DT              | 6     | 103          |
| ROT-210119-07 D                         | ROT-210119-07 DT              | 7     | 119          |
| ROT-210135-08 D                         | ROT-210135-08 DT              | 8     | 135          |
| ROT-210151-09 D                         | ROT-210151-09 DT              | 9     | 151          |
| ROT-210167-10 D                         | ROT-210167-10 DT              | 10    | 167          |
| ROT-210183-11 D                         | ROT-210183-11 DT              | 11    | 183          |
| ROT-210199-12 D                         | ROT-210199-12 DT              | 12    | 199          |



**One-third Tubular Plate 3.5 mm****Drittelrohrplatte 3.5 mm****Plaque tiers de tube 3.5 mm**

**Indication:** Used as buttress plate for fibula, metatarsals, and metacarpals bones. Compression is applied by eccentric positioning of the screw against the side of the screw hole furthest from the fracture line.

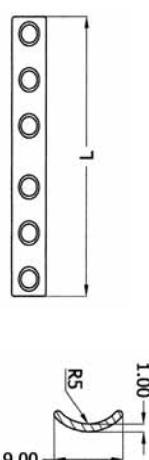
**Plate details:**

Profile one-third of a 12.0 mm tube

**Plate thickness:** 1.0 mm**Plate width:** 9.0 mm**Hole spacing:** 12.0 mm

**Screws to be used:** Fixation with diam. 3.5 mm small cortical screws and diam. 4.0 mm small cancellous screws. Compression effect can be achieved by eccentric insertion of distal screws from the fracture.

**Material:** Certified Stainless Steel according to ASTM F.138 - ISO 5832/1. Certified Titanium alloy according to ASTM F.136 - ISO 5832/3.



| Ref. No<br>Stainless Steel | Ref. No<br>Titanium | Holes | Length<br>mm |
|----------------------------|---------------------|-------|--------------|
| ROT-211025-02 D            | ROT-211025-02 DT    | 2     | 25           |
| ROT-211037-03 D            | ROT-211037-03 DT    | 3     | 37           |
| ROT-211049-04 D            | ROT-211049-04 DT    | 4     | 49           |
| ROT-211061-05 D            | ROT-211061-05 DT    | 5     | 61           |
| ROT-211073-06 D            | ROT-211073-06 DT    | 6     | 73           |
| ROT-211085-07 D            | ROT-211085-07 DT    | 7     | 85           |
| ROT-211097-08 D            | ROT-211097-08 DT    | 8     | 97           |
| ROT-211109-09 D            | ROT-211109-09 DT    | 9     | 109          |
| ROT-211121-10 D            | ROT-211121-10 DT    | 10    | 121          |
| ROT-211133-11 D            | ROT-211133-11 DT    | 11    | 133          |
| ROT-211145-12 D            | ROT-211145-12 DT    | 12    | 145          |
| ROT-211157-13 D            |                     | 13    | 157          |
| ROT-211169-14 D            |                     | 14    | 169          |
| ROT-211181-15 D            |                     | 15    | 181          |
| ROT-211193-16 D            |                     | 16    | 193          |
| ROT-211217-18 D            |                     | 18    | 217          |

**Mini Fragment plate 2.7 mm**

**Minifragmentplatte 2.7 mm**

**Mini - plaque à compression 2.7 mm**

**Indication:** Used for maxillofacial surgery, hand and foot surgery. Compression is achieved through individual hole design, in which engagement between the spherical undersurface of the screw head and sloping base of elongated screw hole, creates relative movement between bone and plate in the direction of the fracture site, so compression can also be achieved using the tension device.

**Plate details:**

Plate profile 2.5 x 8.0 mm

**Plate thickness:** 2.5 mm

**Plate width:** 8.0 mm

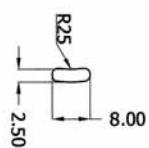
**Hole spacing:** 8.0 mm

**Screws to be used:** Fixation with diam. 2.7 mm mini cortical screws.

**Material:** Certified Stainless Steel according to ASTM F.138 - ISO 5832/1.



| Ref. No<br>DCP Holes<br>Stainless Steel | Ref. No<br>DCP Holes<br>Titan | Holes | Length<br>mm |
|-----------------------------------------|-------------------------------|-------|--------------|
| ROT-212020-02 D                         | ROT-212020-02 DT              | 2     | 20           |
| ROT-212028-03 D                         | ROT-212028-03 DT              | 3     | 28           |
| ROT-212036-04 D                         | ROT-212036-04 DT              | 4     | 36           |
| ROT-212044-05 D                         | ROT-212044-05 DT              | 5     | 44           |
| ROT-212052-06 D                         | ROT-212052-06 DT              | 6     | 52           |
| ROT-212060-07 D                         | ROT-212060-07 DT              | 7     | 60           |
| ROT-212068-08 D                         | ROT-212068-08 DT              | 8     | 68           |
| ROT-212076-09 D                         | ROT-212076-09 DT              | 9     | 76           |
| ROT-212084-10 D                         | ROT-212084-10 DT              | 10    | 84           |
| ROT-212092-11 D                         | ROT-212092-11 DT              | 11    | 92           |
| ROT-212100-12 D                         | ROT-212100-12 DT              | 12    | 100          |



**Sherman Plate 4.5 mm****Sherman Platte 4.5 mm****Plaque de Sherman 4.5 mm**

**Indication:** Used principally in the reconstruction of the pelvis. The design of these plates allows for three dimensional contouring. Due to their reduced stiffness, they should only be used for tension-band fixation or adaption.

**Plate details:** Reconstruction plates 4.5 mm are manufactured from relatively soft material. Design and softness of the material enable three-dimensional contouring. Do not bend more than 15° between holes.

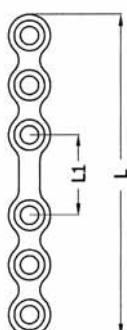
**Plate thickness:** 2.5 mm

**Plate width:** 11.0 mm

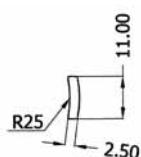
**Hole spacing:** 13.0 mm

**Screws to be used:** Fixation with diam. 4.5 mm cortical screws and diam. 6.5 mm cancellous screws.

**Material:** Certified Stainless Steel according to ASTM F.138 - ISO 5832/1.



| Ref. No<br>Stainless Steel | Holes | Lengthening<br>L1 (mm) | Length<br>L (mm) |
|----------------------------|-------|------------------------|------------------|
| ROT-213058-04              | 4     | 21                     | 58               |
| ROT-213071-05              | 5     | 21                     | 71               |
| ROT-213084-06              | 6     | 21                     | 84               |
| ROT-213097-07              | 7     | 21                     | 97               |
| ROT-213110-08              | 8     | 21                     | 110              |
| ROT-213123-09              | 9     | 21                     | 123              |
| ROT-213136-10              | 10    | 21                     | 136              |
| ROT-213149-11              | 11    | 21                     | 149              |
| ROT-213162-12              | 12    | 21                     | 162              |



**Reconstruction Plate 4.5 mm**
**Rekonstruktionplatte 4.5 mm**
**Plaque de reconstruction 4.5 mm**

**Indication:** Used principally in the reconstruction of the pelvis. The design of these plates allows for three dimensional contouring. Due to their reduced stiffness, they should only be used for tension-band fixation or adaption.

**Plate details:** Reconstruction plates 4.5 mm are manufactured from relatively soft material. Design and softness of the material enable three-dimensional contouring. Do not bend more than 15° between holes.

**Plate thickness:** 2.7 mm

**Plate width:** 12.0 mm

**Hole spacing:** 16.0 mm

**Screws to be used:** Fixation with diam. 4.5 mm cortical screws and diam. 6.5 mm cancellous screws.

**Material:** Certified Stainless Steel according to ASTM F.138 - ISO 5832/1. Certified Titanium alloy according to ASTM F.136 - ISO 5832/3.



| Ref. No<br>Stainless Steel | Ref. No<br>Titanium | Holes | Length<br>mm |
|----------------------------|---------------------|-------|--------------|
| ROT-214045-03              | ROT-214045-03 T     | 3     | 45           |
| ROT-214061-04              | ROT-214061-04 T     | 4     | 61           |
| ROT-214077-05              | ROT-214077-05 T     | 5     | 77           |
| ROT-214093-06              | ROT-214093-06 T     | 6     | 93           |
| ROT-214109-07              | ROT-214109-07 T     | 7     | 109          |
| ROT-214125-08              | ROT-214125-08 T     | 8     | 125          |
| ROT-214141-09              | ROT-214141-09 T     | 9     | 141          |
| ROT-214157-10              | ROT-214157-10 T     | 10    | 157          |
| ROT-214173-11              | ROT-214173-11 T     | 11    | 173          |
| ROT-214189-12              | ROT-214189-12 T     | 12    | 189          |
| ROT-214205-13              | ROT-214205-13 T     | 13    | 205          |
| ROT-214221-14              | ROT-214221-14 T     | 14    | 221          |
| ROT-214237-15              | ROT-214237-15 T     | 15    | 237          |
| ROT-214253-16              | ROT-214253-16 T     | 16    | 253          |



**Reconstruction Plate 3.5 mm curved****Rekonstruktionplatte 3.5 mm gebogen****Plaque de reconstruction 3.5 mm pour le bassin**

**Indication:** Used principally in the reconstruction of the pelvis. It is slightly thicker than the straight pelvic reconstruction plate and prevent for the pelvic crest.

**Plate details:** This plate has been especially designed for use on the pelvis. Material is thicker than straight reconstruction plate.

**Plate thickness:** 2.7 mm

**Plate width:** 12.0 mm

**Hole spacing:** 12.0 mm

**Screws to be used:** Fixation with diam. 3.5 mm and 4.0 mm small cancellous screws.

**Material:** Certified Stainless Steel according to ASTM F.138 - ISO 5832/1. Certified Titanium alloy according to ASTM F.136 - ISO 5832/3.



| Ref. No<br>Stainless Steel | Ref. No<br>Titanium | Holes | Length<br>mm |
|----------------------------|---------------------|-------|--------------|
| ROT-215070-06              | ROT-215070-06 T     | 6     | 70           |
| ROT-215094-08              | ROT-215094-08 T     | 8     | 94           |
| ROT-215118-10              | ROT-215118-10 T     | 10    | 118          |
| ROT-215142-12              | ROT-215142-12 T     | 12    | 142          |
| ROT-215166-14              | ROT-215166-14 T     | 14    | 166          |
| ROT-215190-16              | ROT-215190-16 T     | 16    | 190          |
| ROT-215214-18              | ROT-215214-18 T     | 18    | 214          |

### Reconstruction Plate 3.5 mm

### Rekonstruktionplatte 3.5 mm

### Plaque de reconstruction 3.5 mm

**Indication:** Used principally in the treatment of pelvic, clavicle and calcaneal fractures. The design of these plates allows for three-dimensional contouring. Due to their reduced stiffness, they should be used only for cerclage or adaptations.

**Plate details:** Reconstruction plates 3.5 mm are manufactured from relatively soft material. Design and softness of the material enable three-dimensional contouring. Do not bend more than 15° between holes.

**Plate thickness:** 2.7 mm

**Plate width:** 10.0 mm

**Hole spacing:** 12.0 mm

**Screws to be used:** Fixation with diam. 3.5 mm cortical screws and diam. 4.0 mm small cancellous screws.

**Material:** Certified Stainless Steel according to ASTM F.138 - ISO 5832/1. Certified Titanium alloy according to ASTM F.136 - ISO 5832/3.



| Ref. No<br>Stainless Steel | Ref. No<br>Titanium | Holes | Length<br>mm |
|----------------------------|---------------------|-------|--------------|
| ROT-216034-03              | ROT-216034-03 T     | 3     | 34           |
| ROT-216046-04              | ROT-216046-04 T     | 4     | 46           |
| ROT-216058-05              | ROT-216058-05 T     | 5     | 58           |
| ROT-216070-06              | ROT-216070-06 T     | 6     | 70           |
| ROT-216082-07              | ROT-216082-07 T     | 7     | 82           |
| ROT-216094-08              | ROT-216094-08 T     | 8     | 94           |
| ROT-216106-09              | ROT-216106-09 T     | 9     | 106          |
| ROT-216118-10              | ROT-216118-10 T     | 10    | 118          |
| ROT-216130-11              | ROT-216130-11 T     | 11    | 130          |
| ROT-216142-12              | ROT-216142-12 T     | 12    | 142          |
| ROT-216154-13              | ROT-216154-13 T     | 13    | 154          |
| ROT-216166-14              | ROT-216166-14 T     | 14    | 166          |
| ROT-216178-15              | ROT-216178-15 T     | 15    | 178          |
| ROT-216190-16              | ROT-216190-16 T     | 16    | 190          |
| ROT-216214-18              | ROT-216214-18 T     | 18    | 214          |



**Reconstruction Plate 3.5 mm curved****Rekonstruktionplatte 3.5 mm gebogen****Plaque de reconstruction 3.5 mm pour le bassin**

**Indication:** Used principally in the reconstruction of the pelvis. It is slightly thicker than the straight pelvic reconstruction plate and prevent for the pelvic crest.

**Plate details:** This plate has been especially designed for use on the pelvis. Material is thicker than straight reconstruction plate.

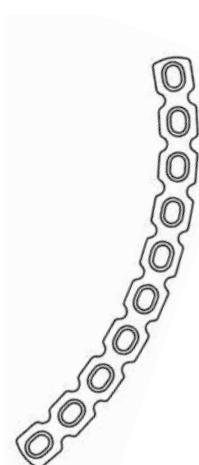
**Plate thickness:** 2.7 mm

**Plate width:** 10.0 mm

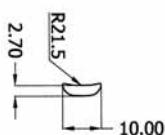
**Hole spacing:** 12.0 mm

**Screws to be used:** Fixation with diam. 3.5 mm small cortical screws.

**Material:** Certified Stainless Steel according to ASTM F.138 - ISO 5832/1. Certified Titanium alloy according to ASTM F.136 - ISO 5832/3.



| Ref. No<br>Stainless Steel | Ref. No<br>Titanium | Holes | Length<br>mm |
|----------------------------|---------------------|-------|--------------|
| ROT-217070-06              | ROT-217070-06 T     | 6     | 70           |
| ROT-217094-08              | ROT-217094-08 T     | 8     | 94           |
| ROT-217118-10              | ROT-217118-10 T     | 10    | 118          |
| ROT-217142-12              | ROT-217142-12 T     | 12    | 142          |
| ROT-217166-14              | ROT-217166-14 T     | 14    | 166          |
| ROT-217190-16              | ROT-217190-16 T     | 16    | 190          |
| ROT-217214-18              | ROT-217214-18 T     | 18    | 214          |



**Reconstruction Plate 2.7 mm**
**Rekonstruktionplatte 2.7 mm**
**Plaque de reconstruction 2.7 mm**

**Indication:** Indicate primarily in comminuted fractures of smaller diameter bones specially used for mandibular reconstruction surgery. The design of these plates allows for three dimensional contouring.

**Plate details:** Reconstruction plates 2.7 mm are manufactured from relatively soft material. Design and softness of the material enable three-dimensional contouring.

**Plate thickness:** 2.7 mm

**Plate width:** 8.0 mm

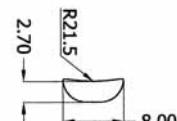
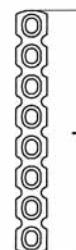
**Hole spacing:** 8.0 mm

**Screws to be used:** Fixation with diam. 2.7 mm mini cortical screws.

**Material:** Certified Stainless Steel according to ASTM F.138 - ISO 5832/1. Certified Titanium alloy according to ASTM F.136 - ISO 5832/3.



| Ref. No<br>Stainless Steel | Ref. No<br>Titanium | Holes | Length<br>mm |
|----------------------------|---------------------|-------|--------------|
| ROT-218032-04              | ROT-218032-04 T     | 4     | 32           |
| ROT-218040-05              | ROT-218040-05 T     | 5     | 40           |
| ROT-218048-06              | ROT-218048-06 T     | 6     | 48           |
| ROT-218056-07              | ROT-218056-07 T     | 7     | 56           |
| ROT-218064-08              | ROT-218064-08 T     | 8     | 64           |
| ROT-218072-09              | ROT-218072-09 T     | 9     | 72           |
| ROT-218080-10              | ROT-218080-10 T     | 10    | 80           |
| ROT-218088-11              | ROT-218088-11 T     | 11    | 88           |
| ROT-218096-12              | ROT-218096-12 T     | 12    | 96           |
| ROT-218104-13              | ROT-218104-13 T     | 13    | 104          |
| ROT-218112-14              | ROT-218112-14 T     | 14    | 112          |
| ROT-218120-15              | ROT-218120-15 T     | 15    | 120          |
| ROT-218128-16              | ROT-218128-16 T     | 16    | 128          |
| ROT-218136-17              | ROT-218136-17 T     | 17    | 136          |
| ROT-218144-18              | ROT-218144-18 T     | 18    | 144          |
| ROT-218152-19              | ROT-218152-19 T     | 19    | 152          |
| ROT-218160-20              | ROT-218160-20 T     | 20    | 160          |
| ROT-218176-22              | ROT-218176-22 T     | 22    | 176          |
| ROT-218192-24              | ROT-218192-24 T     | 24    | 192          |



**Y - Reconstruction Plate 3.5 mm****Y - Rekonstruktionplatte 3.5 mm****Plaque de reconstruction en Y 3.5 mm**

**Indication:** Used to treat comminuted fractures, particularly of the distal humerus. The design of these plates allows for three-dimensional contouring.

**Plate details:** Y reconstruction plates are manufactured from relatively soft material. Design and softness of the material enable three-dimensional contouring. If necessary, the plate can be shortened by breaking or cutting. Adjustable in three-dimension with bending pliers.

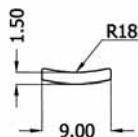
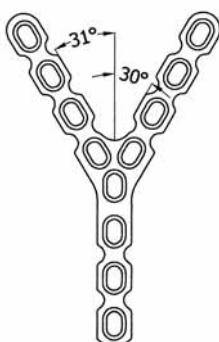
**Plate thickness:** 1.5 mm

**Plate width:** 9.0 mm

**Hole spacing:** 12.0 mm

**Screws to be used:** Fixation with diam. 3.5 mm small cortical screws and 4.0 mm small cancellous screws.

**Material:** Certified Stainless Steel according to ASTM F.138 - ISO 5832/1. Certified Titanium alloy according to ASTM F.136 - ISO 5832/3.



| Ref. No<br>Stainless Steel<br>ROT-219060-04 | Ref. No<br>Titanium<br>ROT-219060-04 T | Holes<br>Shaft | Total<br>Holes |
|---------------------------------------------|----------------------------------------|----------------|----------------|
|                                             |                                        | 4              | 4x4x4          |

**Y - Fork Plate 4.5 mm**
**Y - Gabelplatte 4.5 mm**
**Plaque de fourchette en Y 4.5 mm**

**Indication:** Used to treat comminuted distal humerus intra-articular or extra-articular fractures. Depending on the fracture configuration like T or Y type, the plates are shaped to be placed according to the anatomy of proximal humerus. The pre-formed shape of the plate requires that a separate plate to be used for right and left humerus.

**Plate details:** Plate profile with radius 2.5 mm x 16.0mm

**Plate thickness:** 2.5 mm

**Plate width:** 16.0 mm

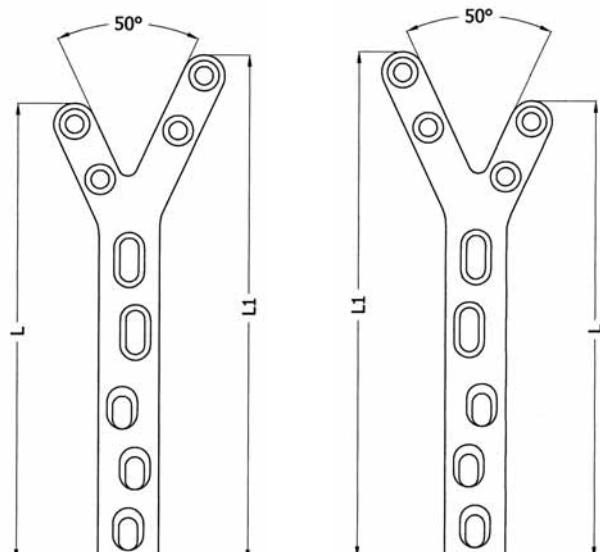
**Hole spacing:** 16.0 mm

**Screws to be used:** Head of plate accepts diam. 6.5 mm cancellous screws. Plate shaft accepts diam. 4.5 mm cortical screws.

**Material:** Certified Stainless Steel according to ASTM F.138 - ISO 5832/1.

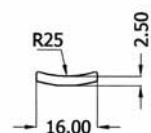
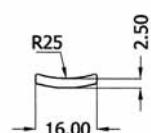


| Ref. No<br>Stainless Steel | Style | Holes | Length<br>L mm | Length<br>L1 mm |
|----------------------------|-------|-------|----------------|-----------------|
| ROT-220088-03 R            | Right | 3     | 88             | 101             |
| ROT-220120-05 R            | Right | 5     | 120            | 133             |
| ROT-220168-08 R            | Right | 8     | 168            | 181             |
| ROT-220088-03 L            | Left  | 3     | 88             | 101             |
| ROT-220120-05 L            | Left  | 5     | 120            | 133             |
| ROT-220168-08 L            | Left  | 8     | 168            | 181             |



RIGHT

LEFT



**Y - Distal Humerus Plate 4.5 mm****Y - Distale Humerusplatte 4.5 mm****Plaque pour humerus distal en Y 4.5 mm**

**Indication:** Used to treat comminuted distal humerus intra-articular or extra-articular fractures. Depending on the fracture configuration like T or Y type, the plates are shaped to be placed according to the anatomy of proximal humerus. The pre-formed shape of the plate requires that a separate plate to be used for right and left humerus. It should be bend preoperatively to accurately match the contours of the segment of the bone to be fixed. And oval hole allows for temporary fixation of the plate prior to final adjustment and fixation.

**Plate details:** Plate profile with radius 2.3 mm x 14.0mm

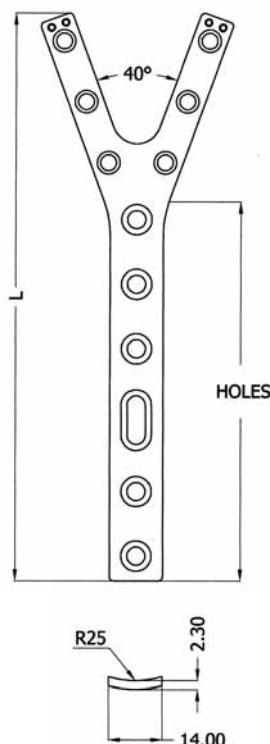
**Plate thickness:** 2.3 mm

**Plate width:** 14.0 mm

**Hole spacing:** 17.0 mm

**Screws to be used:** Head of plate accepts diam. 6.5 mm cancellous screws. Plate shaft accepts diam. 4.5 mm cortical screws.

**Material:** Certified Stainless Steel according to ASTM F.138 - ISO 5832/1.



| Ref. No<br>Stainless Steel | Style | Holes | Length<br>mm |
|----------------------------|-------|-------|--------------|
| ROT-221137-05 R            | Right | 5     | 137          |
| ROT-221150-06 R            | Right | 6     | 150          |
| ROT-221167-07 R            | Right | 7     | 167          |
| ROT-221201-09 R            | Right | 9     | 201          |
| ROT-221137-05 L            | Left  | 5     | 137          |
| ROT-221150-06 L            | Left  | 6     | 150          |
| ROT-221167-07 L            | Left  | 7     | 167          |
| ROT-221201-09 L            | Left  | 9     | 201          |

**Epicondylar Plate 3.5 mm**
**Epi-Kondylenplatte 3.5 mm**
**Plaque type lecestre 3.5 mm**

**Indication:** The epicondylar humerus plates have been designed to be used for the distal fractures of humerus. Particularly can be indicate for multi-fragmented fracture of distal humerus joint, according to the anatomy of medial and lateral epicondyle. The pre-formed shape of the plate requires that a separate plate to be used for right and left distal humerus.

**Plate details:** Plate profile with radius 0.8 mm x 11.5mm

**Plate thickness:** 0.8 mm

**Plate width:** 11.5 mm

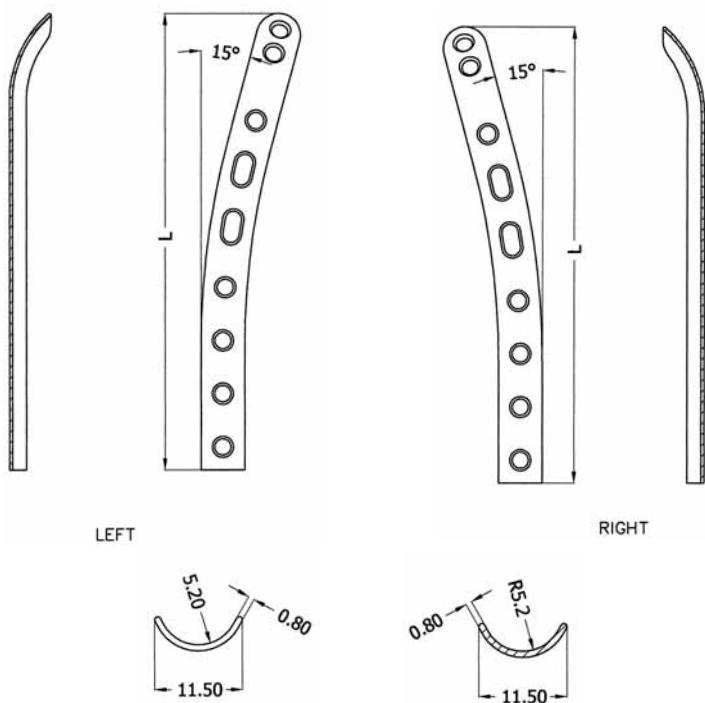
**Hole spacing:** 14.0 mm

**Screws to be used:** Fixation with diam. 3.5 mm small cortical screws and 4.0 mm small cancellous screws.

**Material:** Certified Stainless Steel according to ASTM F.138 - ISO 5832/1.



| Ref. No<br>Stainless Steel | Style | Holes | Length<br>mm |
|----------------------------|-------|-------|--------------|
| ROT-222092-05 R            | Right | 5     | 92           |
| ROT-222120-07 R            | Right | 7     | 120          |
| ROT-222142-09 R            | Right | 9     | 148          |
| ROT-222176-11 R            | Right | 11    | 176          |
| ROT-222204-13 R            | Right | 13    | 204          |
| ROT-222092-05 L            | Left  | 5     | 92           |
| ROT-222120-07 L            | Left  | 7     | 120          |
| ROT-222142-09 L            | Left  | 9     | 148          |
| ROT-222176-11 L            | Left  | 11    | 176          |
| ROT-222204-13 L            | Left  | 13    | 204          |



**T - Humerus Plate 3.5 mm****T - Humerus Platte 3.5 mm****Plaque pour humerus en T 3.5 mm**

**Indication:** The humerus T plates have been designed to be used for proximal humerus fractures. Design for both left and right side. The various configuration of T plate allow for anatomic reduction and alternative screw placement.

**Plate details:** Plate profile 2.5 x 16.0 mm. Anatomical shaping pre-contoured for left and right variations. Also eliminates manual contouring, simplifying and reducing operative time and reduces the incidence of bending stress patterns and subsequent weaknesses in plate. Plate head with radius.

**Plate thickness:** 2.5 mm

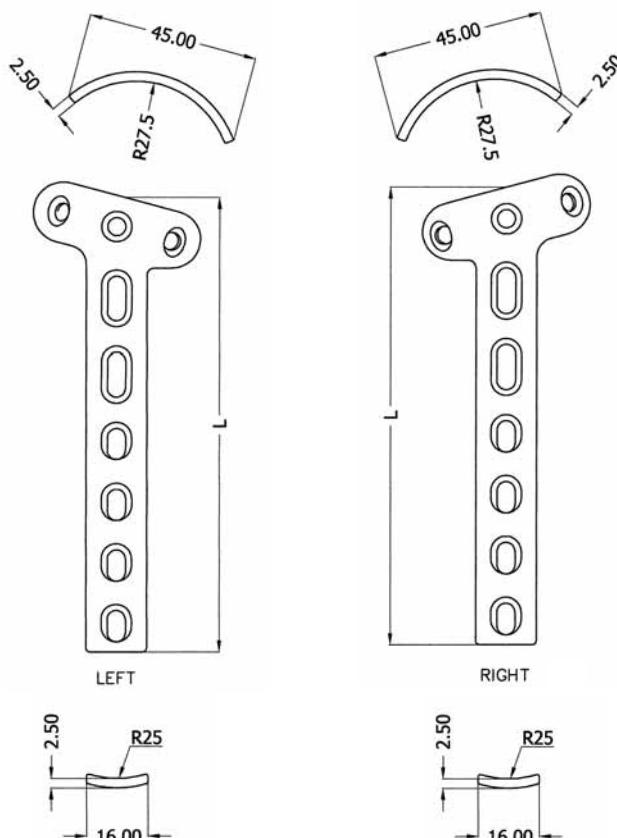
**Plate width:** 16.0 mm

**Head width:** 45.0 mm

**Hole spacing:** 16.0 mm

**Screws to be used:** Head of plate accept 4.0 mm cancellous screws. Plate shaft accepts 3.5 mm small cortical screws.

**Material:** Certified Stainless Steel according to ASTM F.138 - ISO 5832/1.



| Ref. No<br>Stainless Steel | Style | Holes | Length<br>mm |
|----------------------------|-------|-------|--------------|
| ROT-223068-03 R            | Right | 3     | 68.50        |
| ROT-223084-04 R            | Right | 4     | 84.50        |
| ROT-223100-05 R            | Right | 5     | 100.50       |
| ROT-223116-06 R            | Right | 6     | 116.50       |
| ROT-223132-07 R            | Right | 7     | 132.50       |
| ROT-223148-08 R            | Right | 8     | 148.50       |
| ROT-223068-03 L            | Left  | 3     | 68.50        |
| ROT-223084-04 L            | Left  | 4     | 84.50        |
| ROT-223100-05 L            | Left  | 5     | 100.50       |
| ROT-223116-06 L            | Left  | 6     | 116.50       |
| ROT-223132-07 L            | Left  | 7     | 132.50       |
| ROT-223148-08 L            | Left  | 8     | 148.50       |

**Proximal Humerus Plate 4.5 mm**
**Proximale Humerus Platte 4.5 mm**
**Plaque pour proximal humerus 4.5 mm**

**Indication:** The proximal humerus plates have been designed to be used for proximal humerus fractures. Particularly the shape of this plate permit a stable fixation of two part surgical neck fracture. Head of plate with left and right variation allow anatomic reduction and alternative screw placement.

**Plate details:** Plate profile 3.0 mm x 17.0 mm. Anatomical shaping pre-contoured for left and right variations. Also eliminates manual contouring, simplifying and reducing operative time and reduces the incidence of bending stress patterns and subsequent weaknesses in plate.

**Plate thickness:** 3.0 mm

**Plate width:** 17.0 mm

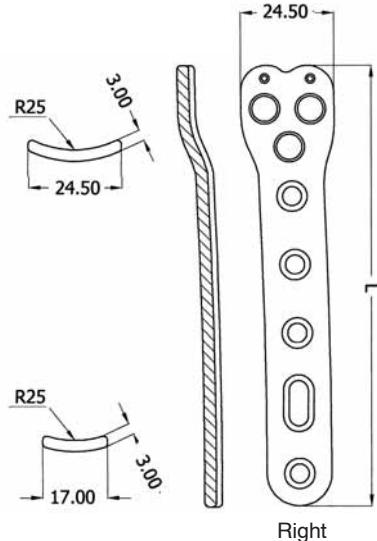
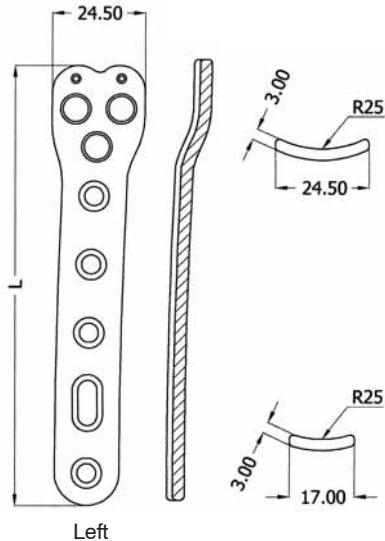
**Head width:** 24.5 mm

**Hole spacing:** 18.0 mm

**Screws to be used:** Head of plate accept 6.5 mm cancellous screws. Plate shaft accepts 4.5 mm cortical screws.

**Material:** Certified Stainless Steel according to ASTM F.138 - ISO 5832/1.


| Ref. No<br>Stainless Steel | Style | Holes | Length<br>mm |
|----------------------------|-------|-------|--------------|
| ROT-224080-05 R            | Right | 5     | 80           |
| ROT-224098-06 R            | Right | 6     | 98           |
| ROT-224116-07 R            | Right | 7     | 116          |
| ROT-224080-05 L            | Left  | 5     | 80           |
| ROT-224098-06 L            | Left  | 6     | 98           |
| ROT-224116-07 L            | Left  | 7     | 116          |



**Spoon Plate 4.5 mm****Löffelplatte 4.5 mm****Plaque-cuillère 4.5 mm**

**Indication:** The spoon plate is a buttress plate designed to sit on the anterior crest of the tibia. It is primarily indicated for pilon fractures that have extensive anterior crushing but good posture support. It is also used in the treatment of metaphyseal non-unions of distal tibia and the distal humerus. It should be bent pre-operative to accurately match the contours of the segment of bone to be fixed. An oval hole allows for temporary fixation of the plate prior to final adjustment and fixation.

**Plate details:** Plate is contoured during manufacture to approximate the eventual fracture site, allowing

fine adjustment to be made in theatre. Shaft with V-profile for the fixation on frontal edge of tibia.

**Plate thickness:** 2.5 mm

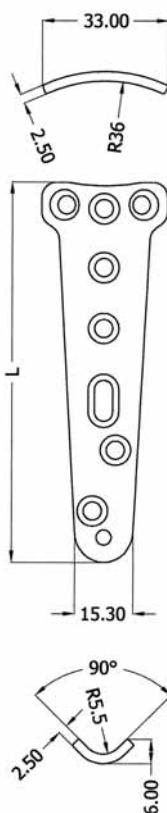
**Plate width:** 15.3 mm

**Head width:** 33.0 mm

Profile high: 6.0 mm

**Screws to be used:** Head of plate accept 6.5 mm cancellous screws. Plate shaft accepts 4.5 mm cortical screws.

**Material:** Certified Stainless Steel according to ASTM F.138 - ISO 5832/1. Certified Titanium alloy according to ASTM F.136 - ISO 5832/3.



| Ref. No<br>Stainless Steel | Ref. No<br>Titanium | Holes | Length |
|----------------------------|---------------------|-------|--------|
| ROT-225100-05              | ROT-225100-05 T     | 5     | 100    |
| ROT-225120-06              | ROT-225120-06 T     | 6     | 120    |

**T - Plate 4.5 mm**
**T - Platte 4.5 mm**
**Plaque en T 4.5 mm**

**Indication:** The T plate is primarily used as a buttress plate for medial tibial plateau. It is also used in the distal tibia, medial distal femur and A3 fractures of proximal humerus. It is relatively thin and consequently not as strong as standard self compressing plate. It is designed to be used as a buttress plate in areas of thin metaphyseal cortical bone or to prevent the collapsing of any cancellous defects in that area. It should be bent pre-operative to accurately match the contours of the segment of bone to be fixed. An oval hole allows for temporary fixation of the plate prior to final adjustment and fixation.

**Plate details:** Plate is contoured during manufacture to approximate the eventual fracture site, allowing fine adjustment to be made in theatre.

**Plate thickness:** 2.5 mm

**Plate width:** 16.0 mm

Head width: 34.0 mm

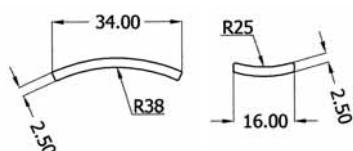
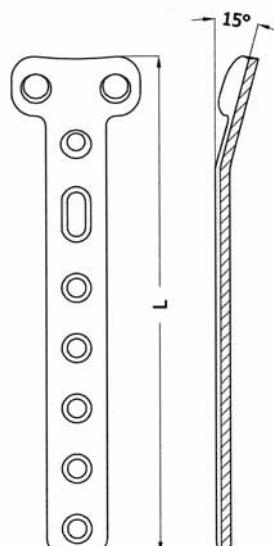
**Hole spacing:** 16.0 mm

**Screws to be used:** Head of plate accept 6.5 mm cancellous screws. Plate shaft accepts 4.5 mm cortical screws.

**Material:** Certified Stainless Steel according to ASTM F.138 - ISO 5832/1. Certified Titanium alloy according to ASTM F.136 - ISO 5832/3.



| Ref. No<br>Stainless Steel | Ref. No<br>Titanium | Holes | Length<br>mm |
|----------------------------|---------------------|-------|--------------|
| ROT-226068-03              | ROT-226068-03 T     | 3     | 68           |
| ROT-226084-04              | ROT-226084-04 T     | 4     | 84           |
| ROT-226100-05              | ROT-226100-05 T     | 5     | 100          |
| ROT-226116-06              | ROT-226116-06 T     | 6     | 116          |
| ROT-226132-07              | ROT-226132-07 T     | 7     | 132          |
| ROT-226148-08              | ROT-226148-08 T     | 8     | 148          |
| ROT-226164-09              | ROT-226164-09 T     | 9     | 164          |
| ROT-226180-10              | ROT-226180-10 T     | 10    | 180          |
| ROT-226196-11              | ROT-226196-11 T     | 11    | 196          |
| ROT-226212-12              | ROT-226212-12 T     | 12    | 212          |



**T-Buttress Plate 4.5 mm****T-Abstützplatte 4.5 mm****Plaque de soutien en T 4.5 mm**

**Indication:** The T plate is primarily used as a buttress plate for medial tibial plateau. It is also used in the distal tibia, medial distal femur and A3 fractures of proximal humerus. It is relatively thin and consequently not as strong as standard self compressing plate. It is designed to be used as a buttress plate in areas of thin metaphyseal cortical bone or to prevent the collapsing of any cancellous defects in that area. It should be bent pre-operative to accurately match the contours of the segment of bone to be fixed. An oval hole allows for temporary fixation of the plate prior to final adjustment and fixation.

**Plate details:** Plate is contoured during manufacture to approximate the eventual fracture site, allowing fine adjustment to be made in theatre.

**Plate thickness:** 2.5 mm

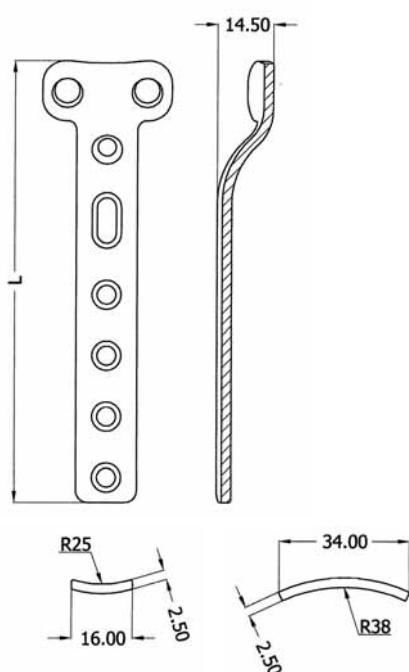
**Plate width:** 16.0 mm

**Head width:** 34.0 mm

**Hole spacing:** 16.0 mm

**Screws to be used:** Head of plate accept 6.5 mm cancellous screws. Plate shaft accepts 4.5 mm cortical screws.

**Material:** Certified Stainless Steel according to ASTM F.138 - ISO 5832/1. Certified Titanium alloy according to ASTM F.136 - ISO 5832/3.



| Ref. No<br>Stainless Steel | Ref. No<br>Titanium | Holes | Length<br>mm |
|----------------------------|---------------------|-------|--------------|
| ROT-227082-04              | ROT-227082-04 T     | 4     | 82           |
| ROT-227098-05              | ROT-227098-05 T     | 5     | 98           |
| ROT-227114-06              | ROT-227114-06 T     | 6     | 114          |
| ROT-227130-07              | ROT-227130-07 T     | 7     | 130          |
| ROT-227146-08              | ROT-227146-08 T     | 8     | 146          |
| ROT-227162-09              | ROT-227162-09 T     | 9     | 162          |
| ROT-227178-10              | ROT-227178-10 T     | 10    | 178          |

**L - Plate 4.5 mm**
**L - Platte 4.5 mm**
**Plaque en L 4.5 mm**

**Indication:** The L plate is an adaptation of a standard T plate. All holes configurations and plate dimensions are similar to that of the standard T plate, but the head of the plate is shifted either left or right to allow for alternative screw placement. Recommended for treatment of tibial head fractures.

**Plate details:** Plate is contoured during manufacture to approximate the eventual fracture site, allowing fine adjustment to be made in theatre.

**Plate thickness:** 2.0 mm

**Plate width:** 16.0 mm

**Head width:** 26.0 mm

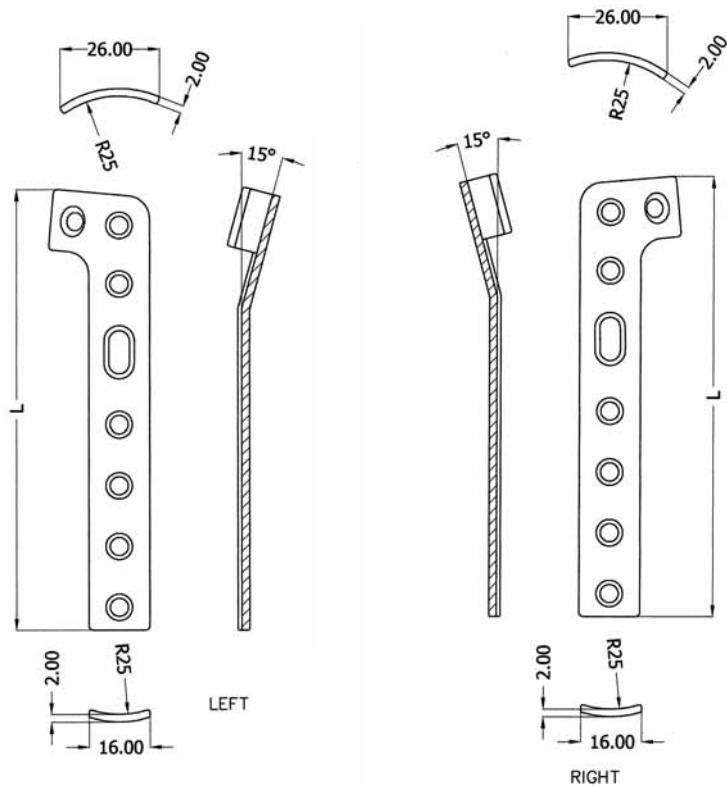
**Hole spacing:** 16.0 mm

**Screws to be used:** Head of plate accept 6.5 mm cancellous screws. Plate shaft accepts 4.5 mm cortical screws.

**Material:** Certified Stainless Steel according to ASTM F.138 - ISO 5832/1.



| Ref. No                | Style | Holes | Length mm |
|------------------------|-------|-------|-----------|
| <b>Stainless Steel</b> |       |       |           |
| ROT-228087-04 R        | Right | 4     | 87        |
| ROT-228119-06 R        | Right | 6     | 119       |
| ROT-228151-08 R        | Right | 8     | 151       |
| ROT-228167-10 R        | Right | 10    | 167       |
| ROT-228087-04 L        | Left  | 4     | 87        |
| ROT-228119-06 L        | Left  | 6     | 119       |
| ROT-228151-08 L        | Left  | 8     | 151       |
| ROT-228167-10 L        | Left  | 10    | 167       |



**L-Buttress Plate 4.5 mm****L-Abstützplatte 4.5 mm****Plaque de soutien en L 4.5 mm**

**Indication:** The L buttress plate is an adaptation of a standard T buttress plate. All holes configurations and plate dimensions are similar to that of the standard T buttress plate, but the head of the plate is shifted either left or right to allow for alternative screw placement. The double bend profile allows fixation on the lateral side of the tibia plateau. Recommended for treatment of tibial head fractures.

**Plate details:** Plate is contoured during manufacture to approximate the eventual fracture site, allowing fine adjustment to be made in theatre.

**Plate thickness:** 2.5 mm

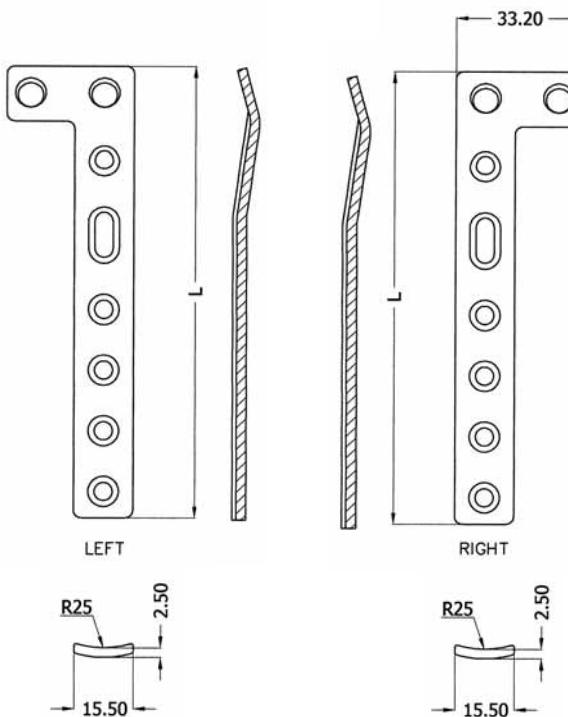
**Plate width:** 15.5 mm

**Head width:** 33.2 mm

**Hole spacing:** 16.0 mm

**Screws to be used:** Head of plate accept 6.5 mm cancellous screws. Plate shaft accepts 4.5 mm cortical screws.

**Material:** Certified Stainless Steel according to ASTM F.138 - ISO 5832/1. Certified Titanium alloy according to ASTM F.136 - ISO 5832/3.



| Ref. No<br>Stainless Steel | Ref. No<br>Titanium | Style | Holes | Length<br>mm |
|----------------------------|---------------------|-------|-------|--------------|
| ROT-229072-03 R            | ROT-229072-03 RT    | Right | 3     | 72           |
| ROT-229088-04 R            | ROT-229088-04 RT    | Right | 4     | 88           |
| ROT-229104-05 R            | ROT-229104-05 RT    | Right | 5     | 104          |
| ROT-229120-06 R            | ROT-229120-06 RT    | Right | 6     | 120          |
| ROT-229136-07 R            | ROT-229136-07 RT    | Right | 7     | 136          |
| ROT-229152-08 R            | ROT-229152-08 RT    | Right | 8     | 152          |
| ROT-229168-09 R            | ROT-229168-09 RT    | Right | 9     | 168          |
| ROT-229200-11 R            | ROT-229200-11 RT    | Right | 11    | 200          |
| ROT-229072-03 L            | ROT-229072-03 LT    | Left  | 3     | 72           |
| ROT-229088-04 L            | ROT-229088-04 LT    | Left  | 4     | 88           |
| ROT-229104-05 L            | ROT-229104-05 LT    | Left  | 5     | 104          |
| ROT-229120-06 L            | ROT-229120-06 LT    | Left  | 6     | 120          |
| ROT-229136-07 L            | ROT-229136-07 LT    | Left  | 7     | 136          |
| ROT-229152-08 L            | ROT-229152-08 LT    | Left  | 8     | 152          |
| ROT-229168-09 L            | ROT-229168-09 LT    | Left  | 9     | 168          |
| ROT-229200-11 L            | ROT-229200-11 LT    | Left  | 11    | 200          |

**Cloverleaf Plate 3.5 mm**
**Kleeblattplatte 3.5 mm**
**Plaque en trèfle 3.5 mm**

**Indication:** The cloverleaf plate is a buttress plate designed to sit on the medial aspect of the distal tibia. It is thin and can be easily cut. The plate has a frontal wing which allows fixation to the medial malleous. The plate can also be modified by having this frontal wing cut off which allows its use on the anterior plane of distal tibia. It should be bent pre-operatively to accurately match the contours of the segment of the bone to be fixed. And oval hole allows for temporary fixation of the plate prior to final adjustment and fixation.

**Plate details:** Plate is contoured during manufacture to approximate the eventual fracture site, allowing fine adjustment to be made in theatre.

**Plate thickness:** 1.5 mm

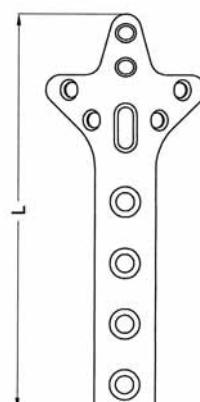
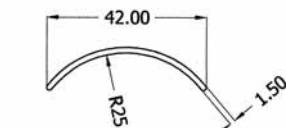
**Plate width:** 16.0 mm

**Head width:** 42.0 mm

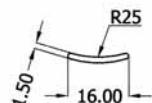
Hole spacing: 16.0 mm

**Screws to be used:** Head of plate accept 4.0 mm small cancellous screws. Plate shaft accepts 4.5 mm cortical screws.

**Material:** Certified Stainless Steel according to ASTM F.138 - ISO 5832/1. Certified Titanium alloy according to ASTM F.136 - ISO 5832/3.



| Ref. No<br>Stainless Steel | Ref. No<br>Titanium | Holes | Length<br>mm |
|----------------------------|---------------------|-------|--------------|
| ROT-230088-03              | ROT-230088-03 T     | 3     | 88           |
| ROT-230104-04              | ROT-230104-04 T     | 4     | 104          |
| ROT-230120-05              | ROT-230120-05 T     | 5     | 120          |
| ROT-230136-06              | ROT-230136-06 T     | 6     | 136          |
| ROT-230152-07              |                     | 7     | 152          |
| ROT-230168-08              |                     | 8     | 168          |
| ROT-230184-09              |                     | 9     | 184          |



**Small T - Plate, 3.5 mm****Schmale T - Platte, 3.5 mm****Petite-plaque en T 3.5 mm**

**Indication:** Used to treat distal radius fractures. Designed for both left and right side. The various configurations of T-plate allow for anatomic reduction.

**Plate details:** Plate profile 1.5 mm x 10.0 mm. Shaft of plate with radius. Head of plate 3 holes, right angle 10° without radius.

**Plate thickness:** 1.5 mm

**Plate width:** 10.0 mm

**Head width:** 23.0 mm

**Hole spacing:** 11.0 mm

**Screws to be used:** Fixation with diam. 3.5 mm small cortical screws and 4.0 mm small cancellous screws.

**Material:** Certified Stainless Steel according to ASTM F.138 - ISO 5832/1.

| Ref. No<br>Stainless Steel | Holes | Length<br>mm |
|----------------------------|-------|--------------|
| ROT-231050-03              | 3     | 50           |
| ROT-231056-04              | 4     | 56           |
| ROT-231072-05              | 5     | 72           |
| ROT-231078-06              | 6     | 78           |

**Small T - Plate, oblique 3.5 mm**
**Schmale T - Platte, schrägwinklig 3.5 mm**
**Petite-plaque en T à angle oblique 3.5 mm**

**Indication:** Used to treat distal radius fractures. Designed for both left and right side. The various configurations of T-plate allow for anatomic reduction.

**Plate details:** Plate profile 1.5 mm x 10.0 mm. Shaft of plate with radius. Head of plate 3 holes, right angle 10° without radius.

**Plate thickness:** 1.5 mm

**Plate width:** 10.0 mm

**Head width:** 25.0 mm

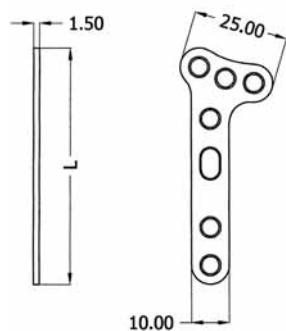
**Hole spacing:** 10.0 mm

**Screws to be used:** Fixation with diam. 3.5 mm small cortical screws and 4.0 mm small cancellous screws.

**Material:** Certified Stainless Steel according to ASTM F.138 - ISO 5832/1. Certified Titanium alloy according to ASTM F.136 - ISO 5832/3.



| Ref. No<br>Stainless Steel | Ref. No<br>Titanium | Holes<br>shank | Length<br>L mm |
|----------------------------|---------------------|----------------|----------------|
| ROT-232052-03              | ROT-232052-03 T     | 3              | 52             |
| ROT-232062-04              | ROT-232062-04 T     | 4              | 62             |
| ROT-232072-05              | ROT-232072-05 T     | 5              | 72             |





head with 4 holes

**Small T-plate 3.5 mm straight****Schmale T-Platte 3.5 mm gerade****Petite-plaque en T droite**

**Indication:** Used to treat distal radius fractures. It can be used for left and right radius. The varius configurations of T-plate allow for anatomic reduction.

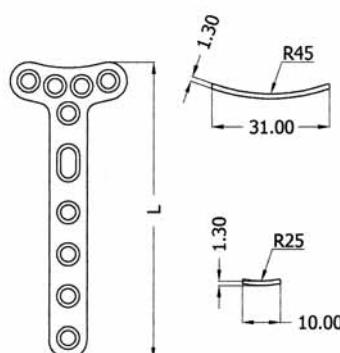
**Plate details:**

Plate profile 1.5 x 10.0 mm.  
 Shaft of plate with radius.  
 Head of plate 4 holes with radius-straight.

**Plate thickness:** 1.3 mm**Plate width:** 10.0 mm**Head width:** 31.0 mm**Hole spacing:** 11.0 mm

**Screws to be used:** Fixation with 3.5 mm small cortical screws and 4.0 mm small cancellous screws.

**Material:** Certified Stainless Steel according to ASTM F.138 - ISO 5832/1. Certified Titanium alloy according to ASTM F.136 - ISO 5832/3.



| Ref. No<br>Stainless Steel | Ref. No<br>Titan  | Holes | Length<br>mm |
|----------------------------|-------------------|-------|--------------|
| ROT-233056-04 4            | ROT-233056-04 4 T | 4     | 56           |
| ROT-233078-06 4            | ROT-233078-06 4 T | 6     | 78           |

**Small T-plate 3.5 mm straight**
**Schmale T-Platte 3.5 mm gerade**
**Petite-plaque en T droite**

**Indication:** Used to treat distal radius fractures. It can be used for left and right radius. The varius configurations of T-plate allow for anatomic reduction.

**Plate details:**

Plate profile 1.5 x 10.0 mm.

Shaft of plate with radius.

Head of plate 4 holes with radius-straight.

**Plate thickness:** 1.3 mm

**Plate width:** 10.0 mm

**Head width:** 31.0 mm

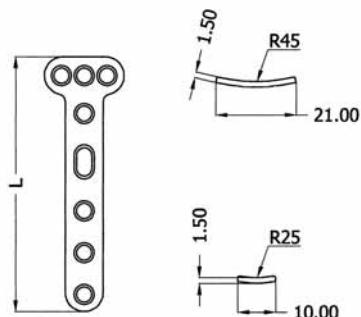
**Hole spacing:** 11.0 mm

**Screws to be used:** Fixation with 3.5 mm small cortical screws and 4.0 mm small cancellous screws.

**Material:** Certified Stainless Steel according to ASTM F.138 - ISO 5832/1. Certified Titanium alloy according to ASTM F.136 - ISO 5832/3.


**head with 3 holes**

| Ref. No<br>Stainless Steel | Ref. No<br>Titan  | Holes | Length<br>mm |
|----------------------------|-------------------|-------|--------------|
| ROT-233050-03 3            | ROT-233050-03 3 T | 3     | 50           |
| ROT-233072-05 3            | ROT-233072-05 3 T | 5     | 72           |



**Small L and T Plate 2.7 mm**



**Schmale L und T Platten 2.7 mm**

**Petite-plaque en L et T 2.7 mm**

**Indication:** To be used in stabilising for head of interfalangeal articulation of hand. Plates are slightly concave with right, left and oblique (T-shaped) end hole style.

**Plate details:** Plate profile with radius 1.0 mm x 7.0 mm.

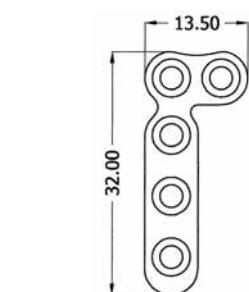
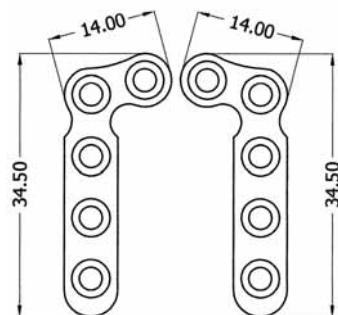
**Plate thickness:** 1.0 mm

**Plate width:** 5.5mm for T- Plate,  
7.0 mm for L-Plate

**Hole spacing:** 8.0 mm

**Screws to be used:** Fixation with diam. 2.7 mm mini cortical screws.

**Material:** Certified Stainless Steel according to ASTM F.138 - ISO 5832/1. Available in titanium according to ASTM F.136 ISO 5832/3.



| Ref. No<br>Stainless Steel | Ref. No<br>Titanium | Description    | Holes | Length<br>L mm | Style |
|----------------------------|---------------------|----------------|-------|----------------|-------|
| ROT-234032-03              | ROT-234032-03 T     | T - Plate      | 3     | 32.0           |       |
| ROT-234040-04              | ROT-234040-04 T     | T - Plate      | 4     | 40.0           |       |
| ROT-234032-03 R            | ROT-234032-03 RT    | L - Plate 90°  | 3     | 32.0           | Right |
| ROT-234032-03 L            | ROT-234032-03 LT    | L - Plate 90°  | 3     | 32.0           | Left  |
| ROT-234034-03 R            | ROT-234034-03 RT    | L - Plate 105° | 3     | 34.5           | Right |
| ROT-234034-03 L            | ROT-234034-03 LT    | L - Plate 105° | 3     | 34.5           | Left  |

**Quarter Tubular plate 2.7 mm**

**Viertelrohrplatte 2.7 mm**

**Plaque quart de tube 2.7 mm**

**Indication:** Used to treat small bone fractures, e.g metatarsals and metacarpals. Compression is applied by eccentric positioning of the screw against the side of the screw hole furthest from the fracture line.

**Plate details:** Plate profile one quarter of 12 mm diam. tube.

**Plate thickness:** 1.0 mm

**Plate width:** 7.5 mm

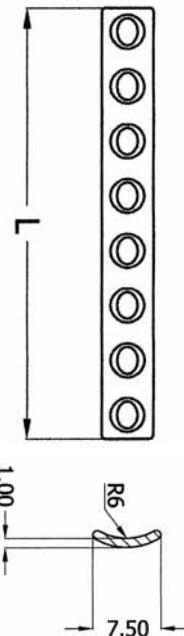
**Hole spacing:** 8.0 mm

**Screws to be used:** Fixation with diam. 2.7 mm mini cortical screws.

**Material:** Certified Stainless Steel according to ASTM F.138 - ISO 5832/1. Certified Titanium alloy according to ASTM F.136 - ISO 5832/3.



| Ref. No<br>Stainless Steel | Ref. No<br>Titanium | Holes | Length<br>mm |
|----------------------------|---------------------|-------|--------------|
| ROT-235023-03              | ROT-235023-03 T     | 3     | 23           |
| ROT-235031-04              | ROT-235031-04 T     | 4     | 31           |
| ROT-235039-05              | ROT-235039-05 T     | 5     | 39           |
| ROT-235047-06              | ROT-235047-06 T     | 6     | 47           |
| ROT-235055-07              | ROT-235055-07 T     | 7     | 55           |
| ROT-235063-08              | ROT-235063-08 T     | 8     | 63           |
| ROT-235071-09              |                     | 9     | 71           |
| ROT-235079-10              |                     | 10    | 79           |



### Cervical Straight Plate 3.5 mm



### Halswirbelplatte gerade 3.5 mm

### Plaque droites pour cervicales 3.5 mm

**Indication:** Used for stabilisation and somatoarthrodesis in anterior surgery of the cervical.

**Plate details:** Plate profile with radius 4.0 mm x 10.0 mm.

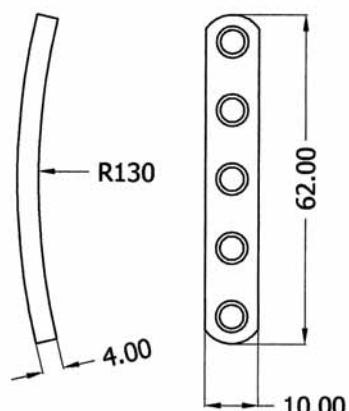
**Plate thickness:** 4.0 mm

**Plate width:** 10.0 mm

**Hole spacing:** 13.0 mm

**Screws to be used:** Fixation with diam. 3.5 mm small cortical and 4.0 mm small cancellous screws.

**Material:** Certified Stainless Steel according to ASTM F.138 - ISO 5832/1. Available in titanium according to ASTM F.136 ISO 5832/3.



| Ref. No<br>Stainless Steel | Holes | Length<br>L mm | R    | Thickness<br>A mm |
|----------------------------|-------|----------------|------|-------------------|
| ROT-236023-02              | 2     | 23.0           |      | 4                 |
| ROT-236036-03              | 3     | 36.5           | R270 | 4                 |
| ROT-236049-04              | 4     | 49.5           | R130 | 4                 |
| ROT-236062-05              | 5     | 62.0           | R130 | 4                 |
| ROT-236101-08              | 8     | 101.0          | R300 | 4                 |
| ROT-236127-10              | 10    | 127.0          | R300 | 4                 |

**Cervical Spine H - Plate 2.7 mm**
**Halswirbel H - Platte 2.7 mm**
**Plaque en H pour cervicales 2.7 mm**

**Indication:** The cervical spine H plate is principally used for spine arthrodeses also for calcaneus.

**Plate details:**

Plate profile with radius 1.5 mm

**Plate thickness:** 1.5 mm

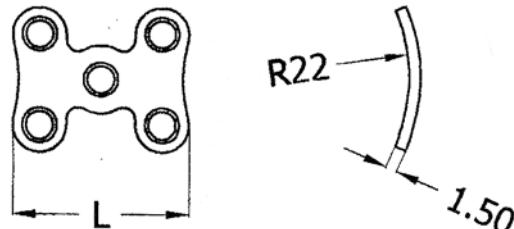
**Plate width:** 19.0 mm

**Screws to be used:** Fixation with diam. 2.7 mm mini cortical and 3.5 mm small corticale screws.



**Material:** Certified Stainless Steel according to ASTM F.138 - ISO 5832/1. Available in titanium according to ASTM F.136 ISO 5832/3.

| Ref. No         | Holes | Length mm | Length L mm |
|-----------------|-------|-----------|-------------|
| Stainless Steel |       |           |             |
| ROT-236023-05   | 5     | 16        | 23          |
| ROT-236025-05   | 5     | 18        | 25          |
| ROT-236028-05   | 5     | 21        | 28          |
| ROT-236041-08   | 8     | 16+18     | 41          |
| ROT-236046-08   | 8     | 18+21     | 46          |
| ROT-236059-11   | 11    | 16+18+18  | 59          |



**Dorsal and Lumbar Spine Plate 4.5 mm****Dorso - Lumbar Wirbelsäulenplatte 4.5 mm****Plaque pour dorso-lombaires 4.5 mm**

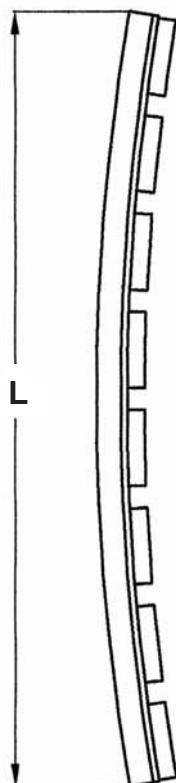
**Indication:** The design of the posterior plates comes from spine anatomy. The average distance between two adjacent pedicles is 26 mm. The plates are created with holes every 13 mm. It is therefore possible to fix two adjacent vertebrae with a pedicular screw every two holes. The plates are curved similar to the normal spine at thoracolumbar junction, which is the most common site of fracture. The holes are reinforced by an embossment giving to the plates and homogeneous resistance. They are produced from stainless steel. These plates can be bend if necessary. Different lengths, ranging from 49 mm to 218 mm with 4 to 17 holes have been designed.

**Plate details:**

Plate profile 7.2 x 10.0 mm

**Plate thickness:** 7.2 mm**Plate width:** 10.0 mm**Hole spacing:** 13.0 mm**Screws to be used:** Fixation with diam. 4.5 mm cortical and 3.5 mm small cortical screws.

**Material:** Certified Stainless Steel according to ASTM F.138 - ISO 5832/1.



| Ref. No<br>Stainless Steel | Holes | Length<br>mm |
|----------------------------|-------|--------------|
| ROT-237049-04              | 4     | 49           |
| ROT-237062-05              | 5     | 62           |
| ROT-237088-07              | 7     | 88           |
| ROT-237114-09              | 9     | 114          |
| ROT-237140-11              | 11    | 140          |
| ROT-237166-13              | 13    | 166          |
| ROT-237192-15              | 15    | 192          |
| ROT-237218-17              | 17    | 218          |

**Cobra Head Plate 4.5 mm**
**Kreuzplatte 4.5 mm**
**Plaque à croix 4.5 mm**

**Indication:** Used when an arthrodesis of the hip is to be performed. 6.5 mm cancellous screws are used through the proximal fixation holes into the femoral head. The plate is then secured to the femoral shaft with 4.5 mm cortical screws.

**Plate details:** The cobra head plates are manufactured from relatively thicker material than the other standard plates. Design and hardness of this plate allows secure fixation.

**Plate thickness:** 6.0 mm

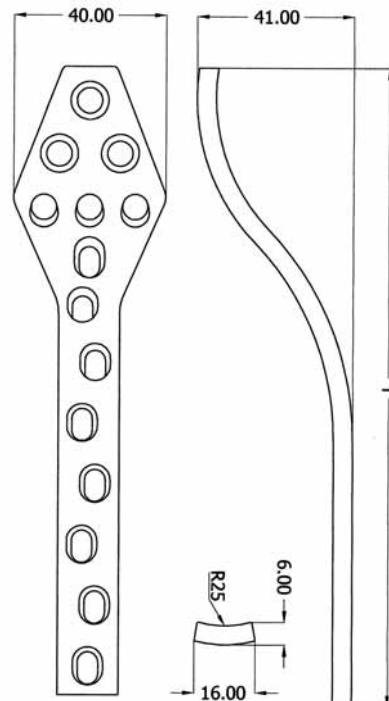
**Plate width:** 16.0 mm

**Head width:** 40.0 mm

**Hole spacing:** 16.0 mm

**Screws to be used:** Head of plate accept 6.5 mm cancellous screws. Plate shaft accepts 4.5 mm cortical screws. Cancellous screws are recommended for the head of the plate.

**Material:** Certified Stainless Steel according to ASTM F.138 - ISO 5832/1.



| Ref. No<br>DCP Holes | Holes | Length<br>mm |
|----------------------|-------|--------------|
| ROT-238170-08 D      | 8     | 170          |
| ROT-238186-09 D      | 9     | 186          |
| ROT-238202-10 D      | 10    | 202          |
| ROT-238218-11 D      | 11    | 218          |

**Condylar Buttress Plate 4.5 mm****Kondylenabstützplatte 4.5 mm****Plaque de soutien condylériennes 4.5 mm**

**Indication:** The condylar buttress plate have been designed to be used for the fractures of distal femur. They come in a right and a left version. They are heavier and stronger than all other buttress plates since they have to withstand much greater forces.

**Plate details:** The condylar buttress plates are manufactured from relatively thicker material than the other standard plates. Design and hardness of this plate allows secure fixation.

**Plate thickness:** 5.00 mm

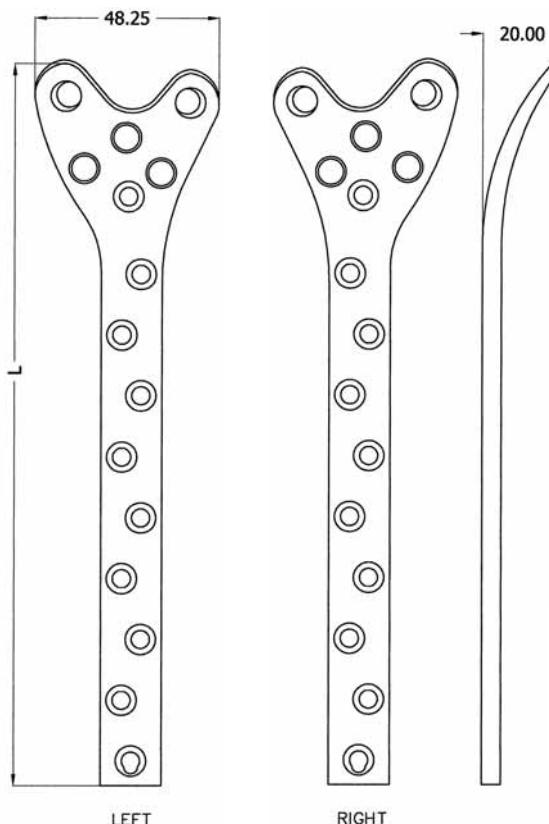
**Plate width:** 16.00 mm

**Head width:** 48.25 mm

**Hole spacing:** 16.00 mm to shaft

**Screws to be used:** Head of plate accept 6.5 mm cancellous screws. Plate shaft accepts 4.5 mm cortical screws. Cancellous screws are recommended for the head of the plate.

**Material:** Certified Stainless Steel according to ASTM F.138 - ISO 5832/1.



| Ref. No<br>Stainless Steel | Ref. No<br>Round Holes | Style | Holes | Length<br>mm |
|----------------------------|------------------------|-------|-------|--------------|
| ROT-239154-07 RD           | ROT-239154-07 R        | Right | 7     | 154          |
| ROT-239186-09 RD           | ROT-239186-09 R        | Right | 9     | 186          |
| ROT-239218-11 RD           | ROT-239218-11 R        | Right | 11    | 218          |
| ROT-239250-13 RD           | ROT-239250-13 R        | Right | 13    | 250          |
| ROT-239282-15 RD           |                        | Right | 15    | 282          |
| ROT-239154-07 LD           | ROT-239154-07 L        | Left  | 7     | 154          |
| ROT-239186-09 LD           | ROT-239186-09 L        | Left  | 9     | 186          |
| ROT-239218-11 LD           | ROT-239218-11 L        | Left  | 11    | 218          |
| ROT-239250-13 LD           | ROT-239250-13 L        | Left  | 13    | 250          |
| ROT-239282-15 LD           |                        | Left  | 15    | 282          |

In Titanium on request.

**Lateral Tibial Head Buttress Plate 4.5 mm**
**Laterale Tibiakopfabstützplatte 4.5 mm**
**Plaque de soutien latérale pour plateau tibial 4.5 mm**

**Indication:** The lateral tibial head plate is designed as a buttress plate of the lateral tibial plateau. Available with various holes. The head of this plate is shifted either left or right to allows for alternative screws placement.

**Plate details:** Plate profile 145 mm x 4.0 mm

**Plate thickness:** 5.0 mm

**Plate width:** 14.0 mm

**Head width:** 23.6 mm

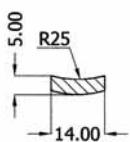
**Hole spacing:** 16.0 mm

**Screws to be used:** Head of plate accept 6.5 mm cancellous screws. Plate shaft accepts 4.5 mm cortical screws. Shaft with DCP dynamic compression holes and slots for tension device.

**Right** angle plate for **left** leg.

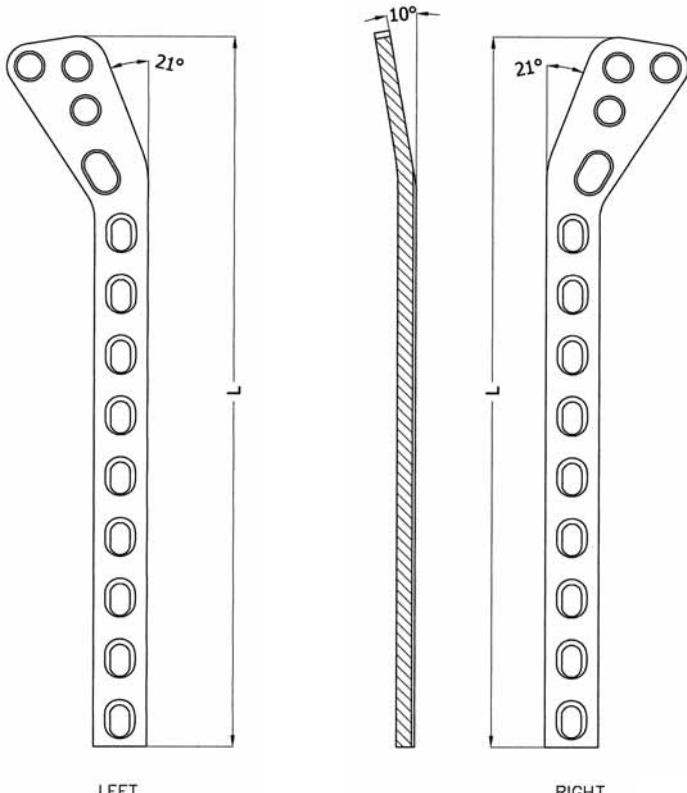
**Left** angle plate for **right** leg.

**Material:** Certified Stainless Steel according to ASTM F.138 - ISO 5832/1.



| Ref. No<br>DCP Holes | Style | Holes | Length<br>mm |
|----------------------|-------|-------|--------------|
| ROT-240118-05 RD     | Right | 5     | 118          |
| ROT-240150-07 RD     | Right | 7     | 150          |
| ROT-240182-09 RD     | Right | 9     | 182          |
| ROT-240214-11 RD     | Right | 11    | 214          |
| ROT-240246-13 RD     | Right | 13    | 246          |
| ROT-240118-05 LD     | Left  | 5     | 118          |
| ROT-240150-07 LD     | Left  | 7     | 150          |
| ROT-240182-09 LD     | Left  | 9     | 182          |
| ROT-240214-11 LD     | Left  | 11    | 214          |
| ROT-240246-13 LD     | Left  | 13    | 246          |

In Titanium on request.



**Distal Tibia Plate 4.5 mm****Distale Tibiaplatte 4.5 mm****Plaque pour tibia distal 4.5 mm**

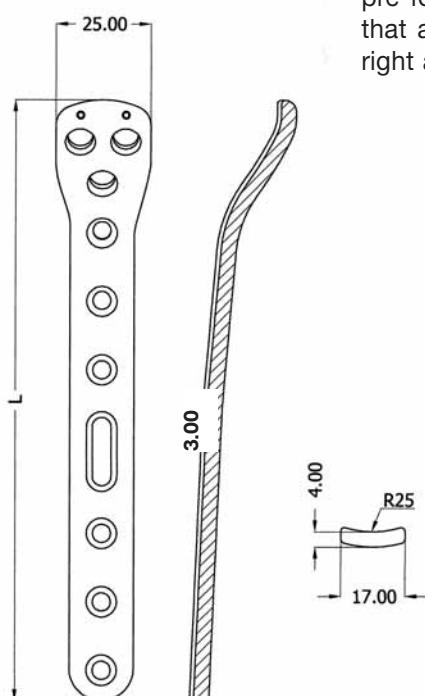
**Indication:** Anatomical distal tibia bone plates are designed to be used for reducing fractures of the distal tibia. It is designed to sit on the distal aspect of the tibia. The anatomical bone plate features show the following important factors to osteosynthesis as; permit a stable fixation of the small proximal and distal fragments. They consider the various physiological stability factors of distal spongiosa and meta-to diaphyseal fractures. They are curved and twisted to conform to the nature shape of the proximal and distal bones areas. They simplify reduction in case of extended fractures as their anterior surface is contoured to minimize tissue irritation.

**Plate thickness:** 3.0 mm**Plate width:** 17.0 mm**Head width:** 24.5 mm**Hole spacing:** 18.0 mm

**Screws to be used:** Head of plate accept 6.5 mm cancellous screws. Plate shaft accepts 4.5 mm cortical screws. The screw holes into distal and are placed so as to allow cancellous screw to be placed in different directions. Two small holes at the very end of the plate are for temporary fixation with kirschner wires. An oval hole in the proximal part of the plate permit fixation with an excentrically or medially placed cortical screw while allowing enough room for application of a compression device.

**Plate details:** To conform to the ventro-tibial contours of the distal tibia, the plate is twisted and curved and has a concav surface on its bone side and broadened distal end. The pre-form shape of the plate requires that a separate plate to be used for right and left tibia.

**Material:** Certified Stainless Steel according to ASTM F.138 - ISO 5832/1.



| Ref. No<br>Stainless Steel | Style | Holes | Length<br>mm |
|----------------------------|-------|-------|--------------|
| ROT-241080-05 R            | Right | 5     | 80           |
| ROT-241122-07 R            | Right | 7     | 122          |
| ROT-241158-09 R            | Right | 9     | 158          |
| ROT-241194-11 R            | Right | 11    | 194          |
| ROT-241230-13 R            | Right | 13    | 230          |
| ROT-241086-05 L            | Left  | 5     | 86           |
| ROT-241122-07 L            | Left  | 7     | 122          |
| ROT-241158-09 L            | Left  | 9     | 158          |
| ROT-241194-11 L            | Left  | 11    | 194          |
| ROT-241230-13 L            | Left  | 13    | 230          |

**In Titanium on request.**

**Lateral Proximal Tibia Plate 4.5 mm**
**Laterale - Proximale Tibiaplatte 4.5 mm**
**Plaque pour tibia latérale proximal 4.5 mm**

**Indication:** Anatomical lateral proximal tibia bone plates are designed to be used for reducing fractures of the proximal tibia. These plates are indicated where the shape of the fracture or the soft tissue problems do not make plate attachment to the medial tibial surface advisable. It is designed to sit on the lateral aspect of the proximal tibia. The anatomical bone plate features show the following important factors to osteosynthesis as; permit a stable fixation of the small proximal and distal fragments. They consider the various physiological stability factors of distal spongiosa and meta-to diaphyseal fractures. They are curved and twisted to conform to the nature shape of the proximal and distal bones areas. They simplify reduction in case of extended fractures as their anterior surface is contoured to minimize tissue irritation.

**Plate details:** To conform to the ventro-tibial contours of the proximal tibia, the plate is twisted and curved

an has a concav surface on its bone side and broadened distal end. The pre-form shape of the plate requires that a separate plate to be used for right and left tibia.

**Plate thickness:** 3.0 mm

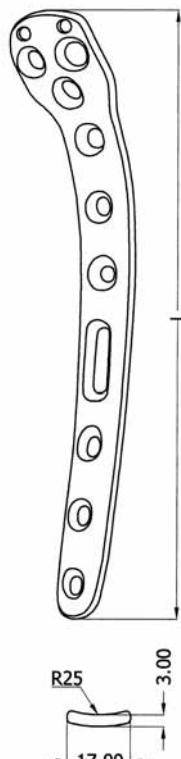
**Plate width:** 17.0 mm

**Head width:** 24.5 mm

**Hole spacing:** 18.0 mm

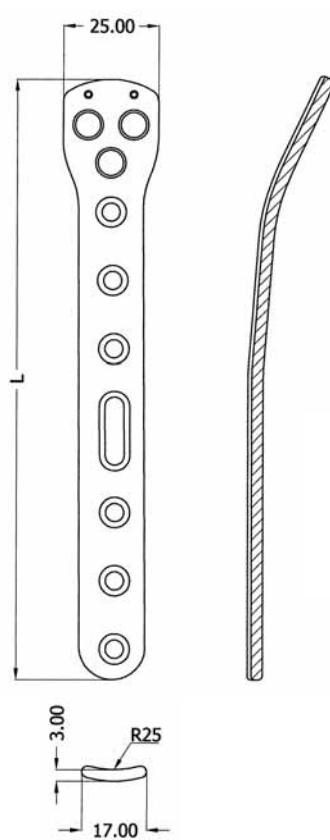
**Screws to be used:** Head of plate accept 6.5 mm cancellous screws. Plate shaft accepts 4.5 mm cortical screws. The screw holes into distal and are placed so as to allow cancellous screw to be placed in different directions. Two small holes at the very end of the plate are for temporary fixation with kirschner wires. An oval hole in the proximal part of the plate permit fixation with an excentrically or medially placed cortical screw while allowing enough room for application of a compression device.

**Material:** Certified Stainless Steel according to ASTM F.138 - ISO 5832/1.



| Ref. No                | Style | Holes | Length mm |
|------------------------|-------|-------|-----------|
| <b>Stainless Steel</b> |       |       |           |
| ROT-242080-05 R        | Right | 5     | 80        |
| ROT-242122-07 R        | Right | 7     | 122       |
| ROT-242158-09 R        | Right | 9     | 158       |
| ROT-242194-11 R        | Right | 11    | 194       |
| ROT-242230-13 R        | Right | 13    | 230       |
| ROT-242080-05 L        | Left  | 5     | 80        |
| ROT-242122-07 L        | Left  | 7     | 122       |
| ROT-242158-09 L        | Left  | 9     | 158       |
| ROT-242194-11 L        | Left  | 11    | 194       |
| ROT-242230-13 L        | Left  | 13    | 230       |

In Titanium on request.



### Medial Proximal Tibia Plate 4.5 mm

### Mediale - Proximale Tibiaplatte 4.5 mm

### Plaque pour tibia medial proximal 4.5 mm

**Indication:** Anatomical lateral proximal tibia bone plates are designed to be used for reducing fractures of the proximal tibia. These plates are indicated where the shape of the fracture or the soft tissue problems do not make plate attachment to the lateral tibial surface advisable. It is designed to sit on the medial aspect of the proximal tibia. The anatomical bone plate features show the following important factors to osteosynthesis as; permit a stable fixation of the small proximal and distal fragments. They consider the various physiological stability factors of distal spongiosa and meta-to diaphyseal fractures. They are curved and twisted to conform to the nature shape of the proximal and distal bones areas. They simplify reduction in case of extended fractures as their anterior surface is contoured to minimize tissue irritation.

an has a concav surface on its bone side and broadened distal end. The pre-form shape of the plate requires that a separate plate to be used for right and left tibia.

**Plate thickness:** 3.0 mm

**Plate width:** 17.0 mm

**Head width:** 24.5 mm

**Hole spacing:** 18.0 mm

**Screws to be used:** Head of plate accept 6.5 mm cancellous screws. Plate shaft accepts 4.5 mm cortical screws. The screw holes into distal and are placed so as to allow cancellous screw to be placed in different directions. Two small holes at the very end of the plate are for temporary fixation with kirschner wires. An oval hole in the proximal part of the plate permit fixation with an excentrically or medially placed cortical screw while allowing enough room for application of a compression device.

**Plate details:** To conform to the ventro-tibial contours of the proximal tibia, the plate is twisted and curved

**Material:** Certified Stainless Steel according to ASTM F.138 - ISO 5832/1.

| Ref. No                | Style | Holes | Length mm |
|------------------------|-------|-------|-----------|
| <b>Stainless Steel</b> |       |       |           |
| ROT-243086-05 R        | Right | 5     | 86        |
| ROT-243122-07 R        | Right | 7     | 122       |
| ROT-243158-09 R        | Right | 9     | 158       |
| ROT-243194-11 R        | Right | 11    | 194       |
| ROT-243230-13 R        | Right | 13    | 230       |
| ROT-243086-05 L        | Left  | 5     | 86        |
| ROT-243122-07 L        | Left  | 7     | 122       |
| ROT-243158-09 L        | Left  | 9     | 158       |
| ROT-243194-11 L        | Left  | 11    | 194       |
| ROT-243230-13 L        | Left  | 13    | 230       |

**Fibular Distal Plate 4.5 mm**
**Distale Fibulare Tibiaplatte 4.5 mm**
**Plaque pour perone distal 4.5 mm**

**Indication:** Anatomical fibular distal tibia bone plates are designed to be used for reducing fractures of the distal tibia. These plates are indicated where the shape of the fracture or soft tissue problems do not make plate attachment to the medial tibial surface advisable. The anatomical bone plate features show the following important factors to osteosynthesis as; permit a stable fixation of the small proximal and distal fragments. They consider the various physiological stability factors of distal spongiosa and meta-to diaphyseal fractures. They are curved and twisted to conform to the nature shape of the proximal and distal bones areas. They simplify reduction in case of extended fractures as their anterior surface is contoured to minimize tissue irritation.

**Plate details:** To conform to the ventro-tibial contours of the fibular distal tibia, the plate is twisted and curved and has a concave surface

on its bone site and broadened distal end. The pre-formed shape of the plate requires that a separate plate to be used for right and left tibia.

**Plate thickness:** 3.0 mm

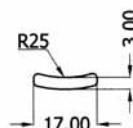
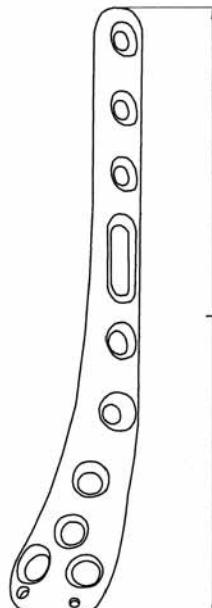
**Plate width:** 17.0 mm

**Head width:** 24.5 mm

**Hole spacing:** 18.0 mm

**Screws to be used:** Head of plate accept 6.5 mm cancellous screws. Plate shaft accepts 4.5 mm cortical screws. The screw holes into distal and are placed so as to allow cancellous screw to be placed in different directions. Two small holes at the very end of the plate are for temporary fixation with kirschner wires. An oval hole in the proximal part of the plate permit fixation with an excentrically or medially placed cortical screw while allowing enough room for application of a compression device.

**Material:** Certified Stainless Steel according to ASTM F.138 - ISO 5832/1.



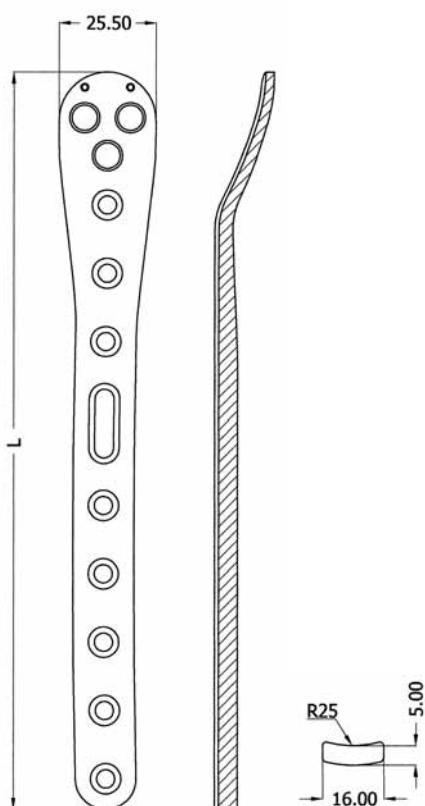
| Ref. No                | Style | Holes | Length<br>mm |
|------------------------|-------|-------|--------------|
| <b>Stainless Steel</b> |       |       |              |
| ROT-244122-07 R        | Right | 7     | 122          |
| ROT-244158-09 R        | Right | 9     | 158          |
| ROT-244194-11 R        | Right | 11    | 194          |
| ROT-244230-13 R        | Right | 13    | 230          |
| ROT-244122-07 L        | Left  | 7     | 122          |
| ROT-244158-09 L        | Left  | 9     | 158          |
| ROT-244194-11 L        | Left  | 11    | 194          |
| ROT-244230-13 L        | Left  | 13    | 230          |

In Titanium on request.

**Distal Femur Plate 4.5 mm****Distal Femur Platte 4.5 mm****Plaque pour femur distal 4.5 mm**

**Indication:** Anatomical distal femur bone plates are designed to be used for reducing fractures of the distal femur with or without involvement of the joint. The anatomical bone plate features show the following important factors to osteosynthesis as; permit a stable fixation of the small proximal and distal fragments. They consider the various physiological stability factors of distal spongiosa and meta-to diaphyseal fractures. They are curved and twisted to conform to the nature shape of the proximal and distal bones areas. They simplify reduction in case of extended fractures as their anterior surface is contoured to minimize tissue irritation.

**Plate details:** The shape of distal femur bone plate is particularly well suited for accommodating the ventral convex curve of the normal femur, as well as its specific twisting. The plate thickness is reduced towards the distal direction in accordance with the different stability



relationship of diaphysis to metaphysis. The pre-formed shape of the plate requires that a separate plate to be used for righ and left femur.

**Plate thickness:** 5.0 mm

**Plate width:** 16.0 mm

**Head width:** 25.5 mm

**Hole spacing:** 18.0 mm

**Screws to be used:** Head of plate accept 6.5 mm cancellous screws. Plate shaft accepts 4.5 mm cortical screws. The screw holes into distal and are placed so as to allow cancellous screw to be placed in different directions. Two small holes at the very end of the plate are for temporary fixation with kirschner wires. An oval hole in the proximal part of the plate permit fixation with an excentrically or medially placed cortical screw while allowing enough room for application of a compression device.

**Material:** Certified Stainless Steel according to ASTM F.138 - ISO 5832/1.

| Ref. No                | Style | Holes | Length mm |
|------------------------|-------|-------|-----------|
| <b>Stainless Steel</b> |       |       |           |
| <b>ROT-245080-05 R</b> | Right | 5     | 80        |
| <b>ROT-245122-07 R</b> | Right | 7     | 122       |
| <b>ROT-245158-09 R</b> | Right | 9     | 158       |
| <b>ROT-245194-11 R</b> | Right | 11    | 194       |
| <b>ROT-245230-13 R</b> | Right | 13    | 230       |
| <b>ROT-245080-05 L</b> | Left  | 5     | 80        |
| <b>ROT-245122-07 L</b> | Left  | 7     | 122       |
| <b>ROT-245158-09 L</b> | Left  | 9     | 158       |
| <b>ROT-245194-11 L</b> | Left  | 11    | 194       |
| <b>ROT-245230-13 L</b> | Left  | 13    | 230       |

In Titanium on request.

**Proximal Femur Plate 4.5 mm**
**Proximale Femur Platte 4.5 mm**
**Plaque pour femur proximal 4.5 mm**

**Indication:** Anatomical proximal femur bone plates are designed to be used for reducing fractures of the proximal femur with or without involvement of the joint. The anatomical bone plate features show the following important factors to osteosynthesis as; permit a stable fixation of the small proximal and distal fragments. They consider the various physiological stability factors of distal spongiosa and meta-to diaphyseal fractures. They are curved and twisted to conform to the nature shape of the proximal and distal bones areas. They simplify reduction in case of extended fractures as their anterior surface is contoured to minimize tissue irritation.

**Plate details:** The shape of proximal femur bone plate is particularly well suited for accomodating the ventral convex curve of the normal femur, as well as its specific twisting. The plate thickness is reduced towards the distal direction in accordance with the different stability relationship

of diaphysis to metaphysis. The pre-formed shape of the plate requires that a separate plate to be used for right and left femur.

**Plate thickness:** 5.0 mm

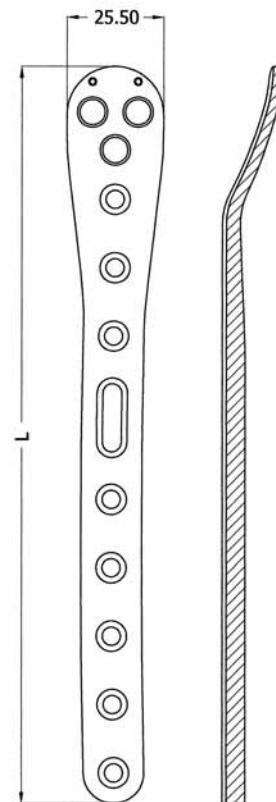
**Plate width:** 16.0 mm

**Head width:** 25.5 mm

**Hole spacing:** 18.0 mm

**Screws to be used:** Head of plate accept 6.5 mm cancellous screws. Plate shaft accepts 4.5 mm cortical screws. The screw holes into distal and are placed so as to allow cancellous screw to be placed in different directions. Two small holes at the very end of the plate are for temporary fixation with kirschner wires. An oval hole in the proximal part of the plate permit fixation with an excentrically or medially placed cortical screw while allowing enough room for application of a compression device.

**Material:** Certified Stainless Steel according to ASTM F.138 - ISO 5832/1.



| Ref. No                | Style | Holes | Length mm |
|------------------------|-------|-------|-----------|
| <b>Stainless Steel</b> |       |       |           |
| ROT-246086-05 R        | Right | 5     | 86        |
| ROT-246122-07 R        | Right | 7     | 122       |
| ROT-246158-09 R        | Right | 9     | 158       |
| ROT-246194-11 R        | Right | 11    | 194       |
| ROT-246230-13 R        | Right | 13    | 230       |
| ROT-246086-05 L        | Left  | 5     | 86        |
| ROT-246122-07 L        | Left  | 7     | 122       |
| ROT-246158-09 L        | Left  | 9     | 158       |
| ROT-246194-11 L        | Left  | 11    | 194       |
| ROT-246230-13 L        | Left  | 13    | 230       |

### Mini L and T Plate 2.0 mm



### Mini L und T Platten 2.0 mm

### Mini-plaque en L et T 2.0 mm

**Indication:** To be used in fixation of fractures in small bones primarily for finger joint head and foot.

**Plate details:** Plate profile with radius 1.0 mm x 5.0 mm.

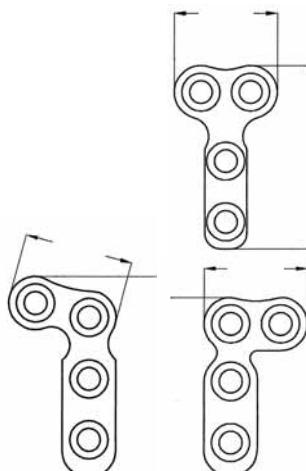
**Plate thickness:** 1.0 mm

**Plate width:** 5.0 mm

**Hole spacing:** 6.0 mm

**Screws to be used:** Fixation with diam. 2.0 mm mini cortical screws.

**Material:** Certified Stainless Steel according to ASTM F.138 - ISO 5832/1. Certified Titanium alloy according to ASTM F.136 - ISO 5832/3.



| Ref. No<br>Stainless Steel | Ref. No<br>Titanium | Description    | Holes | Style |
|----------------------------|---------------------|----------------|-------|-------|
| ROT-247018-02              | ROT-247018-02 T     | T - Plate      | 2     |       |
| ROT-247050-03              | ROT-247050-03 T     | T - Plate      | 3     |       |
| ROT-247050-04              | ROT-247050-04 T     | T - Plate      | 4     |       |
| ROT-247018-02 R            | ROT-247018-02 RT    | L - Plate 90°  | 2     | Right |
| ROT-247018-02 L            | ROT-247018-02 LT    | L - Plate 90°  | 2     | Left  |
| ROT-247019-02 R            | ROT-247019-02 RT    | L - Plate 110° | 2     | Right |
| ROT-247019-02 L            | ROT-247019-02 LT    | L - Plate 110° | 2     | Left  |

**Mini Fragment Plate 2.0 mm**

**Minifragmentplatte 2.0 mm**

**Mini - plaque à compression 2.0 mm**

**Indication:** For fractures of th phalanx. **Material:** Certified Stainless Steel according to ASTM F.138 - ISO 5832/1. Certified Titanium alloy

**Plate details:**

**Plate thickness:** 1.0 mm

**Plate width:** 5.0 mm

**Hole spacing:** 5.0 mm

**Screws to be used:** Fixation with diam. 2.0 mm mini cortical screws.



| Ref. No<br>Stainless Steel | Ref. No<br>Titanium | Holes | Length<br>mm |
|----------------------------|---------------------|-------|--------------|
| ROT-247017-03              | ROT-247017-03 T     | 3     | 17           |
| ROT-247023-04              | ROT-247023-04 T     | 4     | 23           |
| ROT-247029-05              | ROT-247029-05 T     | 5     | 29           |
| ROT-247035-06              | ROT-247035-06 T     | 6     | 35           |
| ROT-247100-20              | ROT-247100-20 T     | 20    | 100          |

**Self compressing plates for screws 2.0 mm**

**Spanngleitlochplatten für Schrauben 2.0 mm**



| Ref. No<br>Stainless Steel | Ref. No<br>Titanium | Holes | Length<br>mm |
|----------------------------|---------------------|-------|--------------|
| ROT-247022-04              | ROT-247022-04 T     | 4     | 22           |
| ROT-247027-05              | ROT-247027-05 T     | 5     | 27           |
| ROT-247032-06              | ROT-247032-06 T     | 6     | 32           |
| ROT-247037-07              | ROT-247037-07 T     | 7     | 37           |
| ROT-247042-08              | ROT-247042-08 T     | 8     | 42           |



**Mini plate straight for screws 1.5 mm**

**Miniplatten gerade für Schrauben 1.5 mm**

**Indication:** For fractures of th phalanx.

**Plate details:**

**Plate thickness:** 0.9 mm

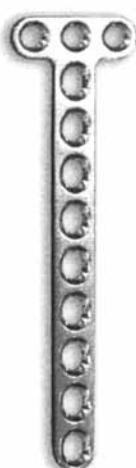
**Plate width:** 3.8 mm

**Hole spacing:** 5.0 mm

**Screws to be used:** Fixation with diam. 1.5 mm mini cortical screws.

**Material:** Certified Stainless Steel according to ASTM F.138 - ISO 5832/1. Certified Titanium alloy according to ASTM F.136 - ISO 5832/3.

| Ref. No<br>Stainless Steel<br>ROT-248100-20 | Ref. No<br>Titanium<br>ROT-248100-20 T | Holes | Length<br>mm<br>100 |
|---------------------------------------------|----------------------------------------|-------|---------------------|
|                                             |                                        | 20    |                     |



**T-plates for screws 1.5 mm, shaft with 9 holes**

**T-Platten für Schrauben 1.5 mm, Schaft mit 9 Löchern**

| Ref. No<br>Stainless Steel<br>ROT-248050-03 | Ref. No<br>Titanium<br>ROT-248050-03 T | Holes | Length<br>mm<br>50 |
|---------------------------------------------|----------------------------------------|-------|--------------------|
| Ref. No<br>Stainless Steel<br>ROT-248050-04 | Ref. No<br>Titanium<br>ROT-248050-04 T | Holes | Length<br>mm<br>50 |

**Angle stable 4 hole plates, right, for distal radius**

**Winkelstabile 4-Loch Platten, rechts, für distalen Radius**



**Indication:** For fractures of the phalanx. **Material:** Certified Stainless Steel according to ASTM F.138 - ISO 5832/1. Certified Titanium alloy according to ASTM F.136 - ISO 5832/3.

**Plate details:**

**Plate thickness:** 1.5 mm

**Plate width head:** 26.5 mm

**Plate width shank:** 9.0 mm

**Hole spacing:** 8.0 mm

**Screws to be used:** Fixation with diam. 1.5 mm mini cortical screws.

| Ref. No              | Holes |
|----------------------|-------|
| Titanium             |       |
| <b>ROT-250-02 RT</b> | 2     |
| <b>ROT-250-04 RT</b> | 4     |
| <b>ROT-250-08 RT</b> | 8     |

**Angle stable 4 hole plates, left, for distal radius**

**Winkelstabile 4-Loch Platten, links, für distalen Radius**



| Ref. No              | Holes |
|----------------------|-------|
| Titanium             |       |
| <b>ROT-250-02 LT</b> | 2     |
| <b>ROT-250-04 LT</b> | 4     |
| <b>ROT-250-08 LT</b> | 8     |



### Angle stable PEDUS-O plate

#### Winkelstabile PEDUS-O Platte

**Indication:** Hallux valgus, Inter-metatarsal angle > 12°.

**Plate details:**

**Plate thickness:** 1.1 mm

**Screws to be used:** Fixation with angle stable cortical screws Ø 2.3 mm.

**Material:** Certified Stainless Steel according to ASTM F.138 - ISO 5832/1. Certified Titanium alloy according to ASTM F.136 - ISO 5832/3.

| Ref. No<br>Titanium | Holes |
|---------------------|-------|
| ROT-260-00 T        | 0     |
| ROT-260-02 T        | 2     |
| ROT-260-03 T        | 3     |
| ROT-260-04 T        | 4     |
| ROT-260-05 T        | 5     |



### Angle stable PEDUS-U plate

#### Winkelstabile PEDUS-U Platte

**Indication:** Arthrodesis of the tarso-metatarsales joint.

**Plate details:**

**Plate thickness:** 1.1 mm

**Screws to be used:** Fixation with angle stable cortical screws Ø 2.3 mm.

**Material:** Certified Stainless Steel according to ASTM F.138 - ISO 5832/1. Certified Titanium alloy according to ASTM F.136 - ISO 5832/3.

| Ref. No<br>Titanium | Holes |
|---------------------|-------|
| ROT-261-12 T        | 12    |
| ROT-261-14 T        | 14    |
| ROT-261-16 T        | 16    |
| ROT-261-18 T        | 18    |
| ROT-261-20 T        | 20    |

**Calcaneal plate for screws 3.5 mm / 4.0 mm**

**Clacaneusplatte für Schrauben 3.5 mm / 4.0 mm**

**Indication:** Angle stable cortical screw Ø 2.3 mm. Cortical screws Ø 2.3 mm.

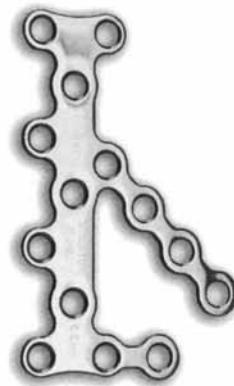
**Material:** Certified Stainless Steel according to ASTM F.138 - ISO 5832/1. Certified Titanium alloy

**Plate details:**

according to ASTM F.136 - ISO 5832/3.

**Plate thickness:** 1.2 mm

**Screws to be used:** Cortical screws Ø 3.5 mm and Cancellous screws Ø 4.0 mm.



| Ref. No<br>Stainless Steel | Ref. No<br>Titanium | Length<br>mm |
|----------------------------|---------------------|--------------|
| ROT-262-60                 | ROT-262-60 T        | 60           |
| ROT-262-70                 | ROT-262-70 T        | 70           |


**Angled Blade Plates 130° for Adults**
**Winkelplatte 130° für Erwachsene**
**Plaques coudée 130° pour adultes**

**Indication:** The 130° angled blade plate is principally used for femoral neck and pectrochanteric fractures. It is designed to perform reconstructive osteotomies.

**Plate details:** These plates have an angle of 130° between blade and shaft. Shaft profile is similar to broad plate. Length of blade measured on inner side. All plates are slotted to accept a tension device.

**Plate thickness:** 6.4 mm

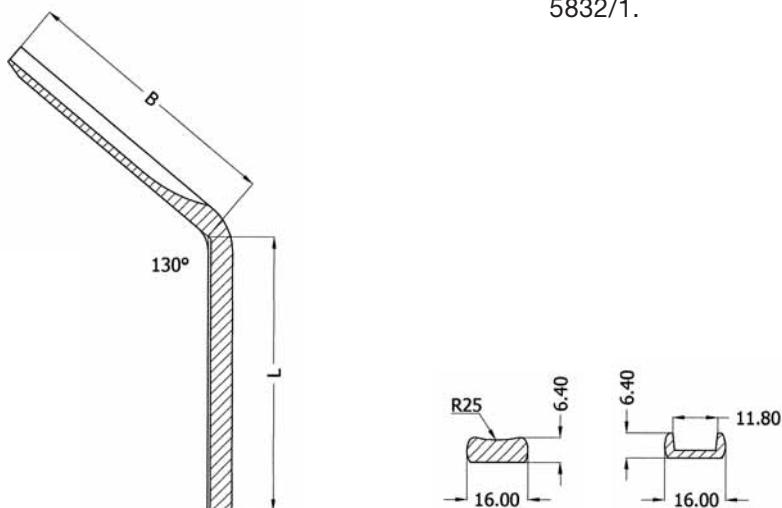
**Plate width:** 16.0 mm

**Hole spacing:** 16.0 mm

**U-Profile blade:** 16.0 mm - 6.4 mm

**Screws to be used:** Fixation with diam. 4.5 mm cortical screws and proximal two holes next to the blade are suitable for 6.5 mm cancellous screws.

**Material:** Certified Stainless Steel according to ASTM F.138 - ISO 5832/1.



| Description          |          | Length of Shaft (mm) |          |          |          |          |          |
|----------------------|----------|----------------------|----------|----------|----------|----------|----------|
|                      |          | Ref. No ROT-301      |          |          |          |          |          |
| Length of Blade (mm) | Holes    | 4                    | 6        | 9        | 12       | 18       | 20       |
| 50                   |          | 72                   | 104      | 152      | 200      | 296      | 328      |
|                      | 050-04 D | 050-06 D             |          |          |          |          |          |
| 60                   |          | 060-04 D             | 060-06 D |          |          |          |          |
|                      | 060-04 D | 060-06 D             |          |          |          |          |          |
| 70                   |          | 070-04 D             | 070-06 D | 070-09 D | 070-12 D | 070-18 D | 070-20 D |
|                      | 070-04 D | 070-06 D             | 070-09 D | 070-12 D | 070-18 D | 070-20 D |          |
| 75                   |          | 075-04 D             |          |          |          |          |          |
|                      | 075-04 D |                      |          |          |          |          |          |
| 80                   |          | 080-04 D             | 080-06 D | 080-09 D | 080-12 D |          |          |
|                      | 080-04 D | 080-06 D             | 080-09 D | 080-12 D |          |          |          |
| 85                   |          | 085-04 D             |          |          |          |          |          |
|                      | 085-04 D |                      |          |          |          |          |          |
| 90                   |          | 090-04 D             | 090-06 D | 090-09 D | 090-12 D |          |          |
|                      | 090-04 D | 090-06 D             | 090-09 D | 090-12 D |          |          |          |
| 95                   |          | 095-04 D             |          |          |          |          |          |
|                      | 095-04 D |                      |          |          |          |          |          |
| 100                  |          | 100-04 D             |          |          |          |          |          |
|                      | 100-04 D |                      |          |          |          |          |          |
| 105                  |          | 105-04 D             |          |          |          |          |          |
|                      | 105-04 D |                      |          |          |          |          |          |
| 110                  |          | 110-04 D             |          |          |          |          |          |
|                      | 110-04 D |                      |          |          |          |          |          |

**Condylar Plate 95° for Adults**
**Kondylenplatte 95° für Erwachsene**
**Plaques condyliennes 95° pour adultes**

**Indication:** The 95° angled blade plate is principally used for fractures in distal and proximal femur area intertrochanteric valgisation osteotomy. It is designed to perform reconstructive osteotomies.

**Plate details:** These plates have an angle of 95° between blade and shaft. Shaft profile is similar to broad plate. Length of blade measured on inner side. All plates are slotted to accept a tension device.

**Plate thickness:** 6.4 mm

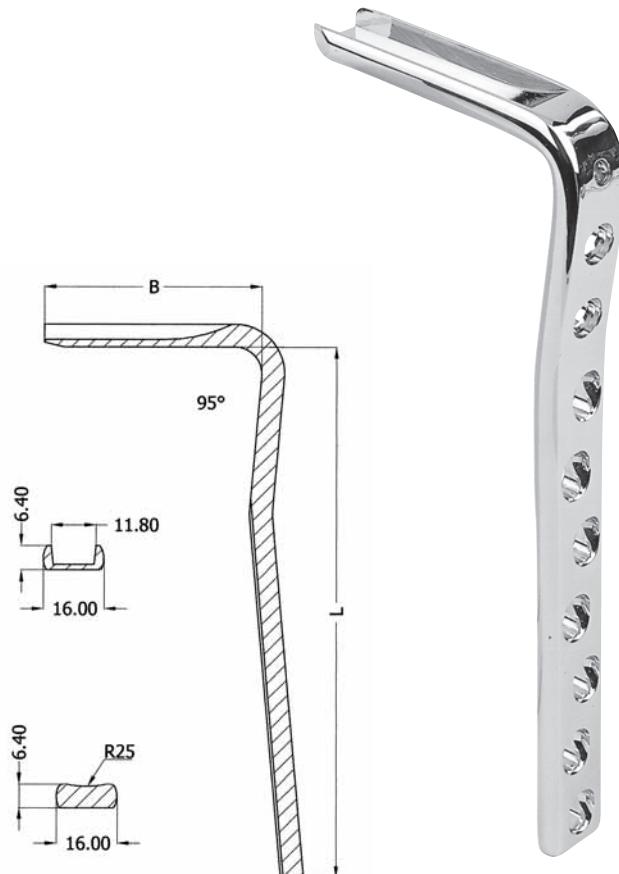
**Plate width:** 16.0 mm

**Hole spacing:** 16.0 mm

**U-Profile blade:** 16.0 mm - 6.4 mm

**Screws to be used:** Fixation with diam. 4.5 mm cortical screws and proximal two holes next to the blade are suitable for 6.5 mm cancellous screws.

**Material:** Certified Stainless Steel according to ASTM F.138 - ISO 5832/1.



| Description          |           | Length of Shaft (mm) |          |          |          |          |          |    |
|----------------------|-----------|----------------------|----------|----------|----------|----------|----------|----|
| Length of Blade (mm) | Holes DCP | Ref. No ROT-302      |          |          |          |          |          |    |
|                      |           | 5                    | 7        | 9        | 12       | 14       | 16       | 18 |
| 50                   | 050-05 D  | 050-07 D             | 050-09 D | 050-12 D | 050-14 D | 050-16 D | 050-18 D |    |
| 60                   | 060-05 D  | 060-07 D             | 060-09 D | 060-12 D | 060-14 D | 060-16 D | 060-18 D |    |
| 70                   | 070-05 D  | 070-07 D             | 070-09 D | 070-12 D | 070-14 D | 070-16 D | 070-18 D |    |
| 80                   | 080-05 D  | 080-07 D             | 080-09 D | 080-12 D | 080-14 D | 080-16 D | 080-18 D |    |



**Angled blade plates for intertrochanteric femoral osteotomies in adults (110°-120°-130°)**

**Winkelplatten für intertrochantäre Femurosteotomien für Erwachsene (110°-120°-130°)**

**Plaques coudée pour ostéotomies intertrochantériennes du fémur chez l'adulte (110°-120°-130°)**

**Indication:** This plate is principally used for repositioning osteotomies in the treatment of femoral neck pseudarthroses and fracture in adults.

**Plate details:** These plates have three different angle of 110°-120°-130° between blade and shaft. Shaft with dynamic compression holes or round holes. Length of blade measured on inner side. All plates are slotted to accept a tension device.

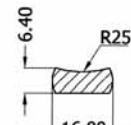
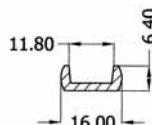
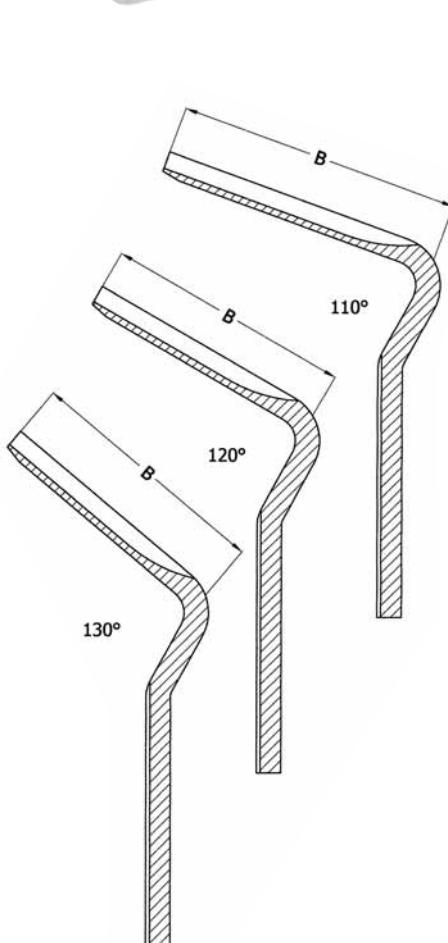
**Plate thickness:** 6.4 mm

**Plate width:** 16.0 mm

**Hole spacing:** 16.0 mm

**U-Profile blade:** 16.0 mm - 6.4 mm  
**Screws to be used:** Fixation with 4.5 mm cortical screws. The hole in the bend enables fixation of the calcar femoris with a long cortex.

**Material:** Certified Stainless Steel according to ASTM F.138 - ISO 5832/1.



| Hole Type        | Holes | Length of blade mm |
|------------------|-------|--------------------|
| DCP              |       |                    |
| 110°             |       |                    |
| ROT-303110-65 D  | 4     | 65                 |
| ROT-303110-75 D  | 4     | 75                 |
| ROT-303110-85 D  | 4     | 85                 |
| 120°             |       |                    |
| ROT-303120-65 D  | 4     | 65                 |
| ROT-303120-75 D  | 4     | 75                 |
| ROT-303120-85 D  | 4     | 85                 |
| 130°             |       |                    |
| ROT-303130-65 D  | 4     | 65                 |
| ROT-303130-70 D  | 4     | 70                 |
| ROT-303130-75 D  | 4     | 75                 |
| ROT-303130-80 D  | 4     | 80                 |
| ROT-303130-85 D  | 4     | 85                 |
| ROT-303130-90 D  | 4     | 90                 |
| ROT-303130-95 D  | 4     | 95                 |
| ROT-303130-100 D | 4     | 100                |
| ROT-303130-105 D | 4     | 105                |
| ROT-303130-110 D | 4     | 110                |

**Angled blade plates for intertrochanteric femoral osteotomies in adults (90°-100°)**
**Winkelplatten für intertrochantäre Femurosteotomien für Erwachsene (90°-100°)**
**Plaques coudée pour ostéotomies intertrochantériennes du fémur chez l'adulte (90°-100°)**

**Indication:** This plate is principally used for intertrochanteric femoral osteotomies in adults.

**Plate details:** These plates have two different angle of 90°-100° between blade and shaft. Shaft with 4 dynamic compression holes or round holes. Length of blade measured on inner side. All plates are slotted to accept a tension device.

**Plate thickness:** 6.4 mm

**Plate width:** 16.0 mm

**Hole spacing:** 16.0 mm

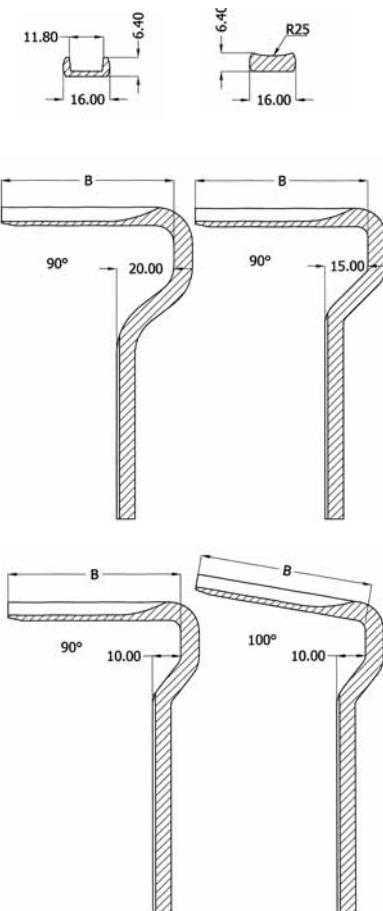
**U-Profile blade:** 16.0 mm - 6.4 mm

**Screws to be used:** Fixation with 4.5 mm cortical screws. The hole in the bend enables fixation of the calcar femoris with a long cortex.

**Material:** Certified Stainless Steel according to ASTM F.138 - ISO 5832/1.



| Hole Type       | Holes | Length of blade mm | Displacement mm |
|-----------------|-------|--------------------|-----------------|
| DCP             |       |                    |                 |
| <b>90°</b>      |       |                    |                 |
| ROT-304950-20 D | 4     | 50                 | 20              |
| ROT-304960-20 D | 4     | 60                 | 20              |
| ROT-304970-20 D | 4     | 70                 | 20              |
| <b>100°</b>     |       |                    |                 |
| ROT-304940-15 D | 4     | 40                 | 15              |
| ROT-304950-15 D | 4     | 50                 | 15              |
| ROT-304955-15 D | 4     | 55                 | 15              |
| ROT-304960-15 D | 4     | 60                 | 15              |
| ROT-304965-15 D | 4     | 65                 | 15              |
| ROT-304970-15 D | 4     | 70                 | 15              |
| <b>10 D</b>     |       |                    |                 |
| ROT-304940-10 D | 4     | 40                 | 10              |
| ROT-304950-10 D | 4     | 50                 | 10              |
| ROT-304955-10 D | 4     | 55                 | 10              |
| ROT-304960-10 D | 4     | 60                 | 10              |
| ROT-304965-10 D | 4     | 65                 | 10              |
| ROT-304970-10 D | 4     | 70                 | 10              |
| ROT-304980-10 D | 4     | 80                 | 10              |



**Angled blade plates for intertrochanteric femoral osteotomies in Adolescents 90°**

**Winkelplatten für intertrochantäre Femurosteotomien für kleinerwüchsige Erwachsene 90°**

**Plaques coudée pour ostéotomies intertrochantériennes du fémur chez adolescent 90°**



**Indication:** This plate is principally used for intertrochanteric femoral osteotomies in small statured adults or in adolescent.

**Plate details:** These plates have angle of 90° between blade and shaft. Shaft with 3 and 4 dynamic compression holes or round holes. Length of blade measured on inner side.

**Plate thickness:** 5.0 mm

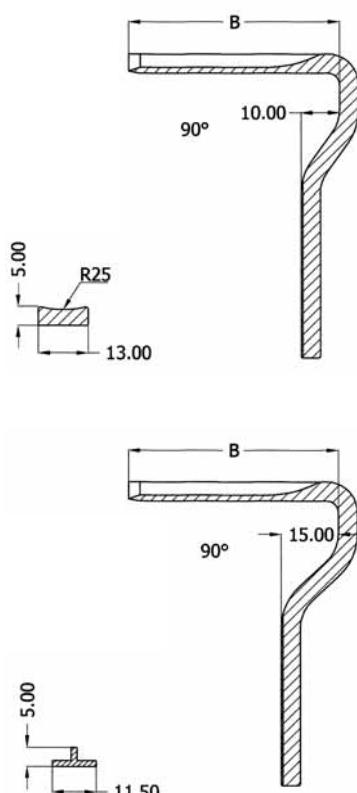
**Plate width:** 13.0 mm

**Hole spacing:** 16.0 mm

**T-Profile blade:** 5.0 mm - 11.5 mm

**Screws to be used:** Fixation with 4.5 mm cortical screws. Shaft with 3 and 4 DCP dynamic compression hole for round holes. Also slot available for tension device.

**Material:** Certified Stainless Steel according to ASTM F.138 - ISO 5832/1.



| Hole Type       |               | Holes | Length<br>of blade<br>mm | Displace-<br>ment<br>mm |
|-----------------|---------------|-------|--------------------------|-------------------------|
| DCP             | Round         |       |                          |                         |
| 90°             |               |       |                          |                         |
| ROT-305340-10 D | ROT-305340-10 | 3     | 40                       | 10                      |
| ROT-305345-10 D | ROT-305345-10 | 3     | 45                       | 10                      |
| ROT-305350-10 D | ROT-305350-10 | 3     | 50                       | 10                      |
| ROT-305355-10 D | ROT-305355-10 | 3     | 55                       | 10                      |
| ROT-305360-10 D | ROT-305360-10 | 3     | 60                       | 10                      |
| ROT-305440-10 D | ROT-305440-10 | 4     | 40                       | 10                      |
| ROT-305445-10 D | ROT-305445-10 | 4     | 45                       | 10                      |
| ROT-305450-10 D | ROT-305450-10 | 4     | 50                       | 10                      |
| ROT-305455-10 D | ROT-305455-10 | 4     | 55                       | 10                      |
| ROT-305460-10 D | ROT-305460-10 | 4     | 60                       | 10                      |
|                 |               |       |                          |                         |
| ROT-305340-15 D | ROT-305340-15 | 3     | 40                       | 15                      |
| ROT-305345-15 D | ROT-305345-15 | 3     | 45                       | 15                      |
| ROT-305350-15 D | ROT-305350-15 | 3     | 50                       | 15                      |
| ROT-305355-15 D | ROT-305355-15 | 3     | 55                       | 15                      |
| ROT-305360-15 D | ROT-305360-15 | 3     | 60                       | 15                      |
| ROT-305440-15 D | ROT-305440-15 | 4     | 40                       | 15                      |
| ROT-305445-15 D | ROT-305445-15 | 4     | 45                       | 15                      |
| ROT-305450-15 D | ROT-305450-15 | 4     | 50                       | 15                      |
| ROT-305455-15 D | ROT-305455-15 | 4     | 55                       | 15                      |
| ROT-305460-15 D | ROT-305460-15 | 4     | 60                       | 15                      |

**Angled blade plates for intertrochanteric femoral osteotomies in children**
**Winkelplatten für intertrochantäre Femurosteotomien bei Kinder**
**Plaques coudée pour ostéotomies intertrochantériennes du fémur chez l'enfant**

**Indication:** This plate is principally used for intertrochanteric femoral osteotomies in children up to 10 years of age.

**Plate details:** These plates have three different angle of 80°-90°-100° between blade and shaft. Shaft with 3 and 4 dynamic compression holes or round holes. Length of blade measured on inner side.

**Plate thickness:** 4.0 mm

**Plate width:** 11.5 mm

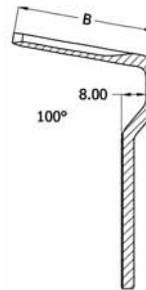
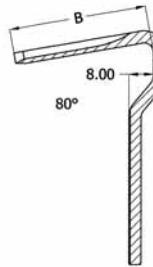
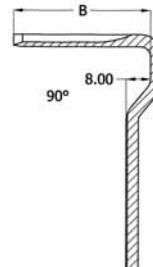
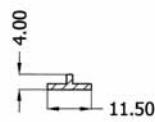
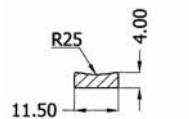
**Hole spacing:** 16.0 mm

**T-Profile blade:** 4.0 mm - 11.5 mm

**Screws to be used:** Fixation with

4.5 mm cortical screws. Shaft with 3 and 4 DCP dynamic compression hole for round holes. Also slot available for tension device.

**Material:** Certified Stainless Steel according to ASTM F.138 - ISO 5832/1.



| Hole Type       | Holes | Length of blade mm | Displacement mm |
|-----------------|-------|--------------------|-----------------|
| DCP             |       |                    |                 |
| 90°             |       |                    |                 |
| ROT-306335-98 D | 3     | 35                 | 8               |
| ROT-306345-98 D | 3     | 45                 | 8               |
| 80°             |       |                    |                 |
| ROT-306335-88 D | 3     | 35                 | 8               |
| ROT-306345-88 D | 3     | 45                 | 8               |
| 100°            |       |                    |                 |
| ROT-306335-08 D | 3     | 35                 | 8               |
| ROT-306345-08 D | 3     | 45                 | 8               |

**Angled blade plates for intertrochanteric femoral osteotomies in infant**
**Winkelplatten für intertrochantäre Femurosteotomien bei Kleinkinder**
**Plaques coudée pour ostéotomies intertrochantériennes du fémur chez le petite enfant**


**Indication:** This plate is principally used for intertrochanteric femoral osteotomies in children up to 5 years of age.

**Plate details:** These plates have angle of 90° between blade and shaft. Shaft with 3 dynamic compression holes or round holes. Length of blade measured on inner side.

**Plate thickness:** 2.5 mm

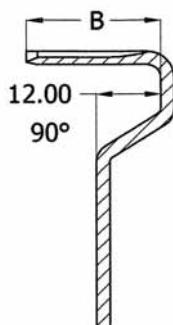
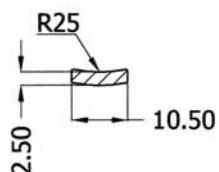
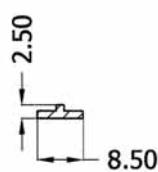
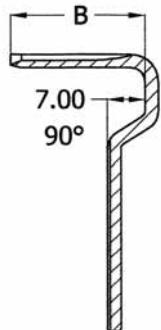
**Plate width:** 10.5 mm

**Hole spacing:** 10.0 mm

**T-Profile blade:** 2.5 mm - 8.5 mm

**Screws to be used:** Fixation with 3.5 mm cortical screws. Shaft with 3 and 4 DCP dynamic compression hole for round holes. Also slot available for tension device.

**Material:** Certified Stainless Steel according to ASTM F.138 - ISO 5832/1.



| Hole Type              | Holes | Length<br>of blade<br>mm | Displace-<br>ment<br>mm |
|------------------------|-------|--------------------------|-------------------------|
| DCP                    |       |                          |                         |
| 90°                    |       |                          |                         |
| <b>ROT-307325-07 D</b> | 3     | 25                       | 7                       |
| <b>ROT-307332-07 D</b> | 3     | 32                       | 7                       |
| <b>ROT-307325-12 D</b> | 3     | 25                       | 12                      |
| <b>ROT-307332-12 D</b> | 3     | 32                       | 12                      |

**DHS Plate**
**DHS Platte**
**Plaque de DHS**

**Indication:** The compression hip plate is primarily indicated for intertrochanteric fractures. However, it can be also find applications in selected sub-trochanteric fractures, mid cervical and low sub-capital fractures of the femoral neck. A complete range of angled plate is available from 130° to 150° in 5° increments. They are used in conjunction with large diameter sliding lag screws. The lag screws have a coarse buttress thread to provide secure fixation in the femoral head. The shaft of the lag screw is machined on two opposing sides to correspond to the internal flats of the plate barrel preventing rotation of the lag. The barrel of the plate is available in two lengths, 38 mm for normal adult use

and 25 mm for smaller adult pediatric surgery (special request). If needed, added compression can be applied to the fractures site by means of the compression screws.

**Plate details:** Designed for maximum strength from one piece, forged.

**Plate thickness:** 5.6 mm

**Plate width:** 18.0 mm

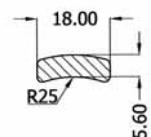
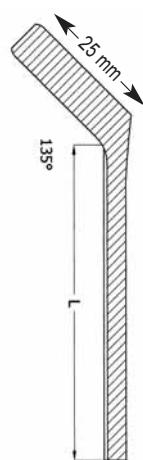
**Hole spacing:** 16.0 mm

**Screws to be used:** All holes accept diam. 4.5 mm cortical screws. End of holes also accept diam. 6.5 mm cancellous screws. All plates are slotted to accept a tension device.

**Material:** Certified Stainless Steel according to ASTM F.138 - ISO 5832/1.



| Ref. No<br>Stainless Steel | Holes | Length<br>mm |
|----------------------------|-------|--------------|
| 135°                       |       |              |
| ROT-309135-04              | 4     | 82           |
| ROT-309135-05              | 5     | 98           |
| ROT-309135-06              | 6     | 114          |



**DHS Plate****DHS Platte****Plaque de DHS**

**Indication:** The compression hip plate is primarily indicated for intertrochanteric fractures. However, it can be also find applications in selected sub-trochanteric fractures, mid cervical and low sub-capital fractures of the femoral neck. A complete range of angled plate is available from 130° to 150° in 5° increments. They are used in conjunction with large diameter sliding lag screws. The lag screws have a coarse buttress thread to provide secure fixation in the femoral head. The shaft of the lag screw is machined on two opposing sides to correspond to the internal flats of the plate barrel preventing rotation of the lag. The barrel of the plate is available in two lengths, 38 mm for normal adult use and 25 mm for smaller adult pediatric surgery (special request). If needed, added compression can be applied to the fractures site by means of the compression screws.

**Plate details:** Designed for maximum strength from one piece, forged.

**Plate thickness:** 5.6 mm

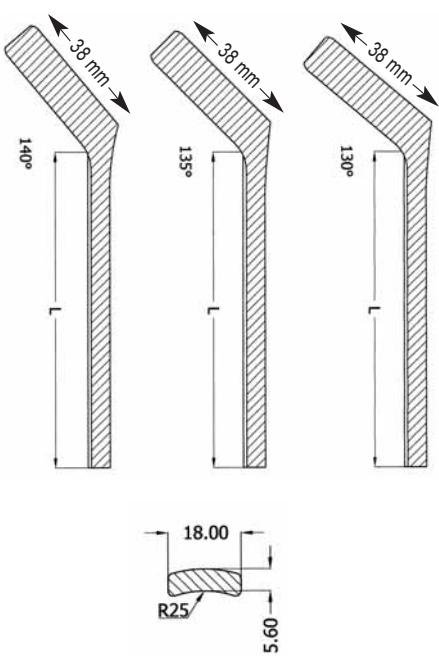
**Plate width:** 18.0 mm

**Hole spacing:** 16.0 mm

**Screws to be used:** All holes accept diam. 4.5 mm cortical screws. End of holes also accept diam. 6.5 mm cancellous screws. All plates are slotted to accept a tension device.

**Material:** Certified Stainless Steel according to ASTM F.138 - ISO 5832/1.

| Ref. No<br>Stainless Steel | Holes | Length<br>mm |
|----------------------------|-------|--------------|
| <b>130°</b>                |       |              |
| <b>ROT-310130-02</b>       | 2     | 50           |
| <b>ROT-310130-03</b>       | 3     | 66           |
| <b>ROT-310130-04</b>       | 4     | 82           |
| <b>ROT-310130-05</b>       | 5     | 98           |
| <b>ROT-310130-06</b>       | 6     | 114          |
| <b>135°</b>                |       |              |
| <b>ROT-310135-02</b>       | 2     | 50           |
| <b>ROT-310135-03</b>       | 3     | 66           |
| <b>ROT-310135-04</b>       | 4     | 82           |
| <b>ROT-310135-05</b>       | 5     | 98           |
| <b>ROT-310135-06</b>       | 6     | 114          |
| <b>ROT-310135-08</b>       | 8     | 146          |
| <b>ROT-310135-10</b>       | 10    | 178          |
| <b>ROT-310135-12</b>       | 12    | 210          |
| <b>ROT-310135-14</b>       | 14    | 242          |
| <b>ROT-310135-16</b>       | 16    | 274          |
| <b>ROT-310135-18</b>       | 18    | 290          |
| <b>140°</b>                |       |              |
| <b>ROT-310140-02</b>       | 2     | 50           |
| <b>ROT-310140-03</b>       | 3     | 66           |
| <b>ROT-310140-04</b>       | 4     | 82           |
| <b>ROT-310140-05</b>       | 5     | 98           |
| <b>ROT-310140-06</b>       | 6     | 114          |
| <b>ROT-310140-08</b>       | 8     | 146          |
| <b>ROT-310140-10</b>       | 10    | 178          |
| <b>ROT-310140-12</b>       | 12    | 210          |
| <b>145°</b>                |       |              |
| <b>ROT-310145-02</b>       | 2     | 50           |
| <b>ROT-310145-03</b>       | 3     | 66           |
| <b>ROT-310145-04</b>       | 4     | 82           |
| <b>ROT-310145-05</b>       | 5     | 98           |
| <b>ROT-310145-06</b>       | 6     | 114          |
| <b>ROT-310145-08</b>       | 8     | 146          |
| <b>ROT-310145-10</b>       | 10    | 178          |
| <b>ROT-310145-12</b>       | 12    | 210          |
| <b>ROT-310145-14</b>       | 14    | 242          |
| <b>150°</b>                |       |              |
| <b>ROT-310150-02</b>       | 2     | 50           |
| <b>ROT-310150-03</b>       | 3     | 66           |
| <b>ROT-310150-04</b>       | 4     | 82           |
| <b>ROT-310150-05</b>       | 5     | 98           |
| <b>ROT-310150-06</b>       | 6     | 114          |
| <b>ROT-310150-08</b>       | 8     | 146          |
| <b>ROT-310150-10</b>       | 10    | 178          |
| <b>ROT-310150-12</b>       | 12    | 210          |
| <b>ROT-310150-14</b>       | 14    | 242          |



**DCS Plate 95°**
**DCS Platte 95°**
**Plaques de DCS 95°**

**Indication:** Condylar plate is indicated primarily for the fixation of supracondylar fractures and for intercondylar T and Y fractures. There are certain occasion when a proximal femoral fractures may be tressed with the sliding condylar screw, such as a complex proximal spiral fracture.

**Plate thickness:** 6.5 mm

**Plate width:** 16.0 mm

**Hole spacing:** 16.0 mm

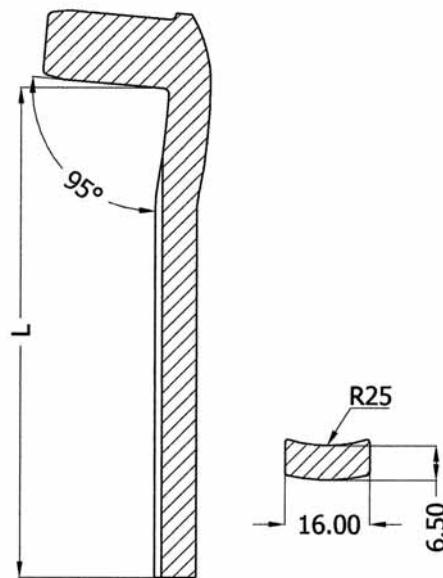
**Screws to be used:** All holes accept diam. 4.5 mm cortical screws. End of holes also accept diam. 6.5 mm cancellous screws. All plates are slotted to accept a tension device.

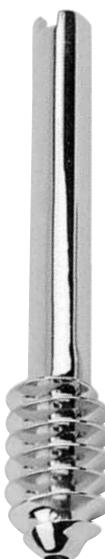
**Plate details:** Designed for maximum strength from one piece, forged.

**Material:** Certified Stainless Steel according to ASTM F.138 - ISO 5832/1.



| Ref. No<br>Stainless Steel | Holes | Length<br>mm |
|----------------------------|-------|--------------|
| ROT-311114-06              | 6     | 114          |
| ROT-311146-08              | 8     | 146          |
| ROT-311178-10              | 10    | 178          |
| ROT-311210-12              | 12    | 210          |
| ROT-311242-14              | 14    | 242          |
| ROT-311274-16              | 16    | 274          |
| ROT-311306-18              | 18    | 306          |
| ROT-311338-20              | 20    | 338          |
| ROT-311370-22              | 22    | 370          |





### DHS/DCS Lag Screw

**Indication:** To be used in case of intracapsular and intercervical fractures, and some types of intero-chanteric fractures. Cannulated to receive the guide wires with a slot to make rotation impossible. Partially threaded heavy duty lag screw for use with DHS and DCS plates. Buttress thread from provides enhanced pull-out resistance in can-

cellous bone. Opposing flats along shark engage with machined flats within plate barrel to prevent rotation. Tapered tip permits easier insertion. Thread diameter 12.5 mm, thread length 22 mm.

**Material:** Certified Stainless Steel according to ASTM F.138 - ISO 5832/1.

| Ref. No<br>Stainless Steel | Ref. No<br>Titanium | Length<br>mm |
|----------------------------|---------------------|--------------|
| ROT-312050                 | ROT-312050 T        | 50           |
| ROT-312055                 | ROT-312055 T        | 55           |
| ROT-312060                 | ROT-312060 T        | 60           |
| ROT-312065                 | ROT-312065 T        | 65           |
| ROT-312070                 | ROT-312070 T        | 70           |
| ROT-312075                 | ROT-312075 T        | 75           |
| ROT-312080                 | ROT-312080 T        | 80           |
| ROT-312085                 | ROT-312085 T        | 85           |
| ROT-312090                 | ROT-312090 T        | 90           |
| ROT-312095                 | ROT-312095 T        | 95           |
| ROT-312100                 | ROT-312100 T        | 100          |
| ROT-312105                 | ROT-312105 T        | 105          |
| ROT-312110                 | ROT-312110 T        | 110          |
| ROT-312115                 | ROT-312115 T        | 115          |
| ROT-312120                 | ROT-312120 T        | 120          |
| ROT-312125                 | ROT-312125 T        | 125          |
| ROT-312130                 | ROT-312130 T        | 130          |
| ROT-312135                 | ROT-312135 T        | 135          |
| ROT-312140                 |                     | 140          |
| ROT-312145                 |                     | 145          |



### DHS/DCS Compression Screw

**Indication:** Provides mechanical compression at the fracture site when used in conjunction with DHS and DCS compression lag screws. It is socket head screws.

**Material:** Certified Stainless Steel according to ASTM F.138 - ISO 5832/1.

| Ref. No<br>Stainless Steel | Ref. No<br>Titanium | Length<br>mm |
|----------------------------|---------------------|--------------|
| ROT-312031                 | ROT-312031 T        | 31           |

### Jewett Plate

### Jewett Platte

### Clous plaques de jewett

**Indication:** It may be used for the treatment of basicervical and pertrochanteric fractures of the proximal femur. These plates are forged for providing maximum strength at critical stress areas. Blade of plates are fully cannulated to accept guide pin. Screws holes are round and accept 4.5 mm cortical screws. Plate with 135° angle is standard. Other angles of 130°-140° are available on special request.

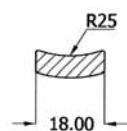
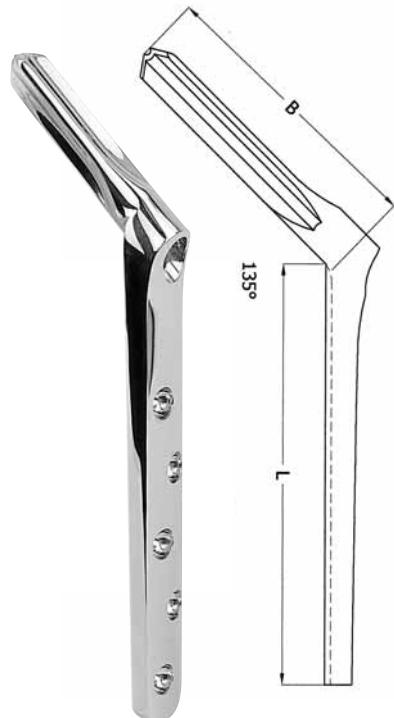
**Plate details:** Jewett plate have an angle of 135° between blade and shaft.

**Plate width:** 18.0 mm

**Hole spacing:** 19.0 mm

**Screws to be used:** All holes accept diam. 4.5 mm cortical screws.

**Material:** Designed for maximum strength from one piece forged. Certified Stainless Steel according to ASTM F.138 - ISO 5832/1.



| Description                  |       | Length of Blade (mm)  |        |        |        |        |        |        |        |        |        |        |        |        |
|------------------------------|-------|-----------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Length<br>of<br>Schaft<br>mm | Holes | Ref. No ROT-317...-.. |        |        |        |        |        |        |        |        |        |        |        |        |
|                              |       | 50                    | 55     | 60     | 65     | 70     | 75     | 80     | 85     | 90     | 95     | 100    | 105    | 110    |
| 110                          | 4     | 050-04                | 055-04 | 060-04 | 065-04 | 070-04 | 075-04 | 080-04 | 085-04 | 090-04 | 095-04 | 100-04 | 105-04 | 110-04 |
| 125                          | 5     | 050-05                | 055-05 | 060-05 | 065-05 | 070-05 | 075-05 | 080-05 | 085-05 | 090-05 | 095-05 | 100-05 | 105-05 | 110-05 |
| 145                          | 6     | 050-06                | 055-06 | 060-06 | 065-06 | 070-06 | 075-06 | 080-06 | 085-06 | 090-06 | 095-06 | 100-06 | 105-06 | 110-06 |
| 165                          | 7     | 050-07                | 055-07 | 060-07 | 065-07 | 070-07 | 075-07 | 080-07 | 085-07 | 090-07 | 095-07 | 100-07 | 105-07 | 110-07 |
| 185                          | 8     | 050-08                | 055-08 | 060-08 | 065-08 | 070-08 | 075-08 | 080-08 | 085-08 | 090-08 | 095-08 | 100-08 | 105-08 | 110-08 |
| 205                          | 9     | 050-09                | 055-09 | 060-09 | 065-09 | 070-09 | 075-09 | 080-09 | 085-09 | 090-09 | 095-09 | 100-09 | 105-09 | 110-09 |
| 225                          | 10    | 050-10                | 055-10 | 060-10 | 065-10 | 070-10 | 075-10 | 080-10 | 085-10 | 090-10 | 095-10 | 100-10 | 105-10 | 110-10 |
| 245                          | 11    | 050-11                | 055-11 | 060-11 | 065-11 | 070-11 | 075-11 | 080-11 | 085-11 | 090-11 | 095-11 | 100-11 | 105-11 | 110-11 |
| 265                          | 12    | 050-12                | 055-12 | 060-12 | 065-12 | 070-12 | 075-12 | 080-12 | 085-12 | 090-12 | 095-12 | 100-12 | 105-12 | 110-12 |
| 285                          | 13    | 050-13                | 055-13 | 060-13 | 065-13 | 070-13 | 075-13 | 080-13 | 085-13 | 090-13 | 095-13 | 100-13 | 105-13 | 110-13 |
| 300                          | 14    | 050-14                | 055-14 | 060-14 | 065-14 | 070-14 | 075-14 | 080-14 | 085-14 | 090-14 | 095-14 | 100-14 | 105-14 | 110-14 |
| 325                          | 15    | 050-15                | 055-15 | 060-15 | 065-15 | 070-15 | 075-15 | 080-15 | 085-15 | 090-15 | 095-15 | 100-15 | 105-15 | 110-15 |
| 345                          | 16    | 050-16                | 055-16 | 060-16 | 065-16 | 070-16 | 075-16 | 080-16 | 085-16 | 090-16 | 095-16 | 100-16 | 105-16 | 110-16 |


**Femoral Interlocking nail**
**Femur Verriegelungsnägel**
**Clous centromedullaires pour femur**

**Indication:** This interlocking nail system is the result of long term experience in medullary nailing. This nail can be used for the following fractures;

Femoral shaft fractures  
 Subtrochanteric fractures  
 Impending pathologic fractures  
 Ipsilateral femoral neck / shaft fractures  
 For femoral shaft fractures or stable subtrochanteric fractures,  
 135° antegrade fixation for the left-side / right-side femur. Locking bolts screw diameter is proximally and distally the same. In pectrochanteric (femoral neck) fractures as well as

subtrochanteric fractures, this femoral nail system (nails for the left and right femur with 8° anteversion integrated in proximal nail drill holes) offer a secure fixation. This nail system can also be applied in the case of dangerous pathologic fractures. Fixation is achieved with lag screws placed into femoral neck in retrograde direction, as a result rotation is avoided.

**Material:** Certified Stainless Steel according to ASTM F.138 - ISO 5832/1.

| Length<br>mm | Ref. No ROT-401...-... |               |               |               |               |               |               |               |               |
|--------------|------------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
|              | Diameters              |               |               |               |               |               |               |               |               |
|              | 8                      | 9             | 10            | 11            | 12            | 13            | 14            | 15            | 16            |
| 240          | <b>240-08</b>          | <b>240-09</b> | <b>240-10</b> |               |               |               |               |               |               |
| 260          | <b>260-08</b>          | <b>260-09</b> | <b>260-10</b> |               |               |               |               |               |               |
| 280          | <b>280-08</b>          | <b>280-09</b> | <b>280-10</b> |               |               |               |               |               |               |
| 300          | <b>300-08</b>          | <b>300-09</b> | <b>300-10</b> |               |               |               |               |               |               |
| 320          | <b>320-08</b>          | <b>320-09</b> | <b>320-10</b> | <b>320-11</b> | <b>320-12</b> |               |               |               |               |
| 340          | <b>340-08</b>          | <b>340-09</b> | <b>340-10</b> | <b>340-11</b> | <b>340-12</b> |               |               |               |               |
| 360          | <b>360-08</b>          | <b>360-09</b> | <b>360-10</b> | <b>360-11</b> | <b>360-12</b> | <b>360-13</b> | <b>360-14</b> |               |               |
| 380          | <b>380-08</b>          | <b>380-09</b> | <b>380-10</b> | <b>380-11</b> | <b>380-12</b> | <b>380-13</b> | <b>380-14</b> | <b>380-15</b> | <b>380-16</b> |
| 400          |                        | <b>400-09</b> | <b>400-10</b> | <b>400-11</b> | <b>400-12</b> | <b>400-13</b> | <b>400-14</b> | <b>400-15</b> | <b>400-16</b> |
| 420          |                        | <b>420-09</b> | <b>420-10</b> | <b>420-11</b> | <b>420-12</b> | <b>420-13</b> | <b>420-14</b> | <b>420-15</b> | <b>420-16</b> |
| 440          |                        | <b>440-09</b> | <b>440-10</b> | <b>440-11</b> | <b>440-12</b> | <b>440-13</b> | <b>440-14</b> | <b>440-15</b> | <b>440-16</b> |
| 460          |                        |               | <b>460-10</b> | <b>460-11</b> | <b>460-12</b> | <b>460-13</b> | <b>460-14</b> | <b>460-15</b> | <b>460-16</b> |

Femoral Locking Screws for



Ø 5.0

Ø 5.0

|                      | Proximal                                     | Distal        |
|----------------------|----------------------------------------------|---------------|
| <b>Length<br/>mm</b> | <b>Diameters 5.0 mm</b>                      |               |
|                      | <b>Locking Screws for<br/>Proximal Holes</b> |               |
|                      | 25                                           | ROT-402025-01 |
|                      | 30                                           | ROT-402030-01 |
|                      | 35                                           | ROT-402035-01 |
|                      | 40                                           | ROT-402040-01 |
|                      | 45                                           | ROT-402045-01 |
|                      | 50                                           | ROT-402050-01 |
|                      | 55                                           | ROT-402055-01 |
|                      | 60                                           | ROT-402060-01 |
|                      | 65                                           | ROT-402065-01 |
|                      | 70                                           | ROT-402070-01 |
|                      | 75                                           | ROT-402075-01 |
|                      | 80                                           | ROT-402080-01 |
| 85                   | ROT-402085-01                                |               |
| 90                   | ROT-402090-01                                |               |

Femoral Locking Screws for



Ø 6.4

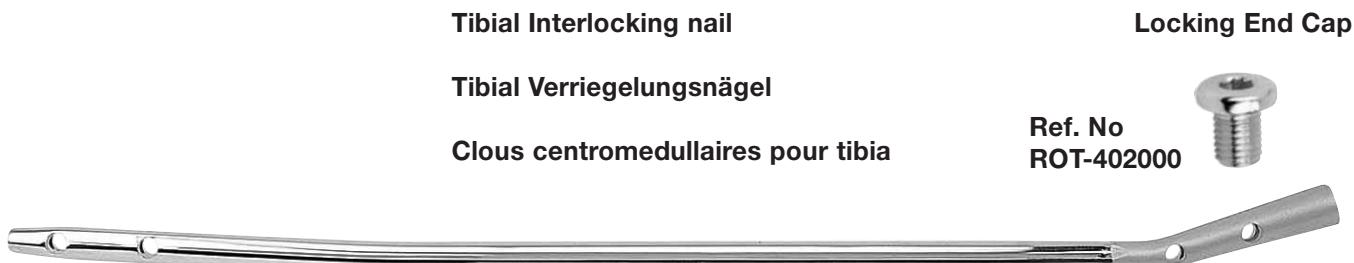
Ø 6.4

|                      | Proximal                          | Distal        |
|----------------------|-----------------------------------|---------------|
| <b>Length<br/>mm</b> | <b>Diameters 6.4 mm</b>           |               |
|                      | <b>Femoral Locking<br/>Screws</b> |               |
|                      | 30                                | ROT-402030-10 |
|                      | 35                                | ROT-402035-10 |
|                      | 40                                | ROT-402040-10 |
|                      | 45                                | ROT-402045-10 |
|                      | 50                                | ROT-402050-10 |
|                      | 55                                | ROT-402055-10 |
|                      | 60                                | ROT-402060-10 |
|                      | 65                                | ROT-402065-10 |
|                      | 70                                | ROT-402070-10 |
|                      | 75                                | ROT-402075-10 |
|                      | 80                                | ROT-402080-10 |
|                      | 85                                | ROT-402085-10 |
| 90                   | ROT-402090-10                     |               |

Locking End Cap

Ref. No  
ROT-402000





**Indication:** This interlocking nail system is the result of long term experience in medullary nailing. This nail can be used for open tibial shaft fractures and closed tibial shaft fractures. This tibial nail offer unbeatable versality in the treatment specially for traumatic, pathologic, non-union and reconstructive surgery and makes possible treating of fractures within a range of 60% of the tibial length.

**Material:** Certified Stainless Steel according to ASTM F.138 - ISO 5832/1.

| Length<br>mm | Ref. No ROT-403...-- |               |               |               |               |               |               |
|--------------|----------------------|---------------|---------------|---------------|---------------|---------------|---------------|
|              | Diameters            |               |               |               |               |               |               |
|              | 8                    | 9             | 10            | 11            | 12            | 13            | 14            |
| 270          | <b>270-08</b>        | <b>270-09</b> | <b>270-10</b> |               |               |               |               |
| 285          | <b>285-08</b>        | <b>285-09</b> | <b>285-10</b> | <b>285-11</b> | <b>285-12</b> | <b>285-13</b> |               |
| 300          | <b>300-08</b>        | <b>300-09</b> | <b>300-10</b> | <b>300-11</b> | <b>300-12</b> | <b>300-13</b> | <b>300-14</b> |
| 315          | <b>315-08</b>        | <b>315-09</b> | <b>315-10</b> | <b>315-11</b> | <b>315-12</b> | <b>315-13</b> | <b>315-14</b> |
| 330          | <b>330-08</b>        | <b>330-09</b> | <b>330-10</b> | <b>330-11</b> | <b>330-12</b> | <b>330-13</b> | <b>330-14</b> |
| 345          | <b>345-08</b>        | <b>345-09</b> | <b>345-10</b> | <b>345-11</b> | <b>345-12</b> | <b>345-13</b> | <b>345-14</b> |
| 360          | <b>360-08</b>        | <b>360-09</b> | <b>360-10</b> | <b>360-11</b> | <b>360-12</b> | <b>360-13</b> | <b>360-14</b> |
| 380          | <b>380-08</b>        | <b>380-09</b> | <b>380-10</b> | <b>380-11</b> | <b>380-12</b> | <b>380-13</b> | <b>380-14</b> |
| 400          | <b>400-08</b>        | <b>400-09</b> | <b>400-10</b> | <b>400-11</b> | <b>400-12</b> | <b>400-13</b> | <b>400-14</b> |
| 420          | <b>420-08</b>        | <b>420-09</b> | <b>420-10</b> | <b>420-11</b> | <b>420-12</b> | <b>420-13</b> | <b>420-14</b> |
| 440          |                      | <b>440-09</b> | <b>440-10</b> | <b>440-11</b> | <b>440-12</b> | <b>440-13</b> | <b>440-14</b> |



Ø 5.0



Ø 5.0



Ø 4.5

| Length<br>mm | Diameters 5.0 mm                     |                                              | Length<br>mm | Diameters 4.5 mm               |
|--------------|--------------------------------------|----------------------------------------------|--------------|--------------------------------|
|              | Locking Screws for<br>Proximal Holes | Canulated Locking Screws<br>for Distal Holes |              | Locking Screws<br>Self-tapping |
| 25           | <b>ROT-402025-01</b>                 | <b>ROT-402025-02</b>                         | 32           | <b>ROT-108-032-S</b>           |
| 30           | <b>ROT-402030-01</b>                 | <b>ROT-402030-02</b>                         | 36           | <b>ROT-108-036-S</b>           |
| 35           | <b>ROT-402035-01</b>                 | <b>ROT-402035-02</b>                         | 40           | <b>ROT-108-040-S</b>           |
| 40           | <b>ROT-402040-01</b>                 | <b>ROT-402040-02</b>                         | 44           | <b>ROT-108-044-S</b>           |
| 45           | <b>ROT-402045-01</b>                 | <b>ROT-402045-02</b>                         | 48           | <b>ROT-108-048-S</b>           |
| 50           | <b>ROT-402050-01</b>                 | <b>ROT-402050-02</b>                         | 52           | <b>ROT-108-052-S</b>           |
| 55           | <b>ROT-402055-01</b>                 | <b>ROT-402055-02</b>                         |              |                                |
| 60           | <b>ROT-402060-01</b>                 | <b>ROT-402060-02</b>                         |              |                                |
| 65           | <b>ROT-402065-01</b>                 | <b>ROT-402065-02</b>                         |              |                                |
| 70           | <b>ROT-402070-01</b>                 | <b>ROT-402070-02</b>                         |              |                                |
| 75           | <b>ROT-402075-01</b>                 |                                              |              |                                |
| 80           | <b>ROT-402080-01</b>                 |                                              |              |                                |
| 85           | <b>ROT-402085-01</b>                 |                                              |              |                                |
| 90           | <b>ROT-402090-01</b>                 |                                              |              |                                |

**Locking Screw**



| Ref. No<br>Stainless Steel | Diam<br>(mm) | Length<br>(mm) |
|----------------------------|--------------|----------------|
| ROT-402035-01              | 5            | 35             |
| ROT-402040-01              | 5            | 40             |
| ROT-402045-01              | 5            | 45             |
| ROT-402050-01              | 5            | 50             |
| ROT-402055-01              | 5            | 55             |
| ROT-402060-01              | 5            | 60             |
| ROT-402065-01              | 5            | 65             |
| ROT-402070-01              | 5            | 70             |

**Intramedullary Nail Fixation Bolt**



| Ref. No    | Size<br>(Ø) |
|------------|-------------|
| ROT-405011 | 11          |
| ROT-405012 | 12          |
| ROT-405013 | 13          |

**Supra-condylar Intramedullary Nail**



| Ref. No<br>Stainless Steel | Diam<br>(mm) | Length<br>(mm) |
|----------------------------|--------------|----------------|
| ROT-405150-11              | 11           | 150            |
| ROT-405200-11              | 11           | 200            |
| ROT-405250-11              | 11           | 250            |
| ROT-405150-12              | 12           | 150            |
| ROT-405200-12              | 12           | 200            |
| ROT-405250-12              | 12           | 250            |
| ROT-405150-13              | 13           | 150            |
| ROT-405200-13              | 13           | 200            |
| ROT-405250-13              | 13           | 250            |



**Femur Küntscher intramedullary Nail double slot**

**Küntscher-Marknägel für Femur**

**Clois centromédullaires de Küntscher pour femur**

**Indication:** Used for closed intra-medullary nailing of fractures and osteotomies of femur, radius and ulna, as well as for distally located fractures of the humerus with image intensification. Nails curved on a constant radius (slot on outside of curve). Conforms to the anterior bow of the femur.

Nails for closed nailing will be delivered slotted and tapered at one end.

**Nail details:** Küntscher medullary nails are produced with a cloverleaf

profile to achieve axial and longitudinal elasticity. The cloverleaf designed combines high tensile strength with compressibility to minimize the danger of splitting the femur, when the nail is being driven. In addition, this feature allows the nail to expand to fit the wider portions of the medullary canal.

**Material:** Certified Stainless Steel according to ASTM F.138 - ISO 5832/1.

| Length<br>mm | Ref. No ROT-406...-.. |        |        |        |        |        |        |        |        |        |        |        |        |  |
|--------------|-----------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--|
|              | Diameters             |        |        |        |        |        |        |        |        |        |        |        |        |  |
|              | 6                     | 7      | 8      | 9      | 10     | 11     | 12     | 13     | 14     | 15     | 16     | 17     | 18     |  |
| 140          | 140-06                | 140-07 |        |        |        |        |        |        |        |        |        |        |        |  |
| 160          | 160-06                | 160-07 |        |        |        |        |        |        |        |        |        |        |        |  |
| 180          | 180-06                | 180-07 |        |        |        |        |        |        |        |        |        |        |        |  |
| 200          | 200-06                | 200-07 |        |        |        |        |        |        |        |        |        |        |        |  |
| 220          | 220-06                | 220-07 |        |        |        |        |        |        |        |        |        |        |        |  |
| 240          | 240-06                | 240-07 | 240-08 |        |        |        |        |        |        |        |        |        |        |  |
| 260          | 260-06                | 260-07 | 260-08 |        |        |        |        |        |        |        |        |        |        |  |
| 280          | 280-06                | 280-07 | 280-08 |        |        |        |        |        |        |        |        |        |        |  |
| 300          | 300-06                | 300-07 | 300-08 | 300-09 |        |        |        |        |        |        |        |        |        |  |
| 320          | 320-06                | 320-07 | 320-08 | 320-09 | 320-10 | 320-11 |        |        |        |        |        |        |        |  |
| 340          | 340-06                | 340-07 | 340-08 | 340-09 | 340-10 | 340-11 | 340-12 | 340-13 | 340-14 |        |        |        |        |  |
| 360          | 360-06                | 360-07 | 360-08 | 360-09 | 360-10 | 360-11 | 360-12 | 360-13 | 360-14 | 360-15 | 360-16 | 360-17 | 360-18 |  |
| 380          |                       | 380-07 | 380-08 | 380-09 | 380-10 | 380-11 | 380-12 | 380-13 | 380-14 | 380-15 | 380-16 | 380-17 | 380-18 |  |
| 400          |                       | 400-07 | 400-08 | 400-09 | 400-10 | 400-11 | 400-12 | 400-13 | 400-14 | 400-15 | 400-16 | 400-17 | 400-18 |  |
| 420          |                       |        | 420-08 | 420-09 | 420-10 | 420-11 | 420-12 | 420-13 | 420-14 | 420-15 | 420-16 | 420-17 | 420-18 |  |
| 440          |                       |        | 440-08 | 440-09 | 440-10 | 440-11 | 440-12 | 440-13 | 440-14 | 440-15 | 440-16 | 440-17 | 440-18 |  |
| 460          |                       |        | 460-08 | 460-09 | 460-10 | 460-11 | 460-12 | 460-13 | 460-14 | 460-15 | 460-16 | 460-17 | 460-18 |  |
| 480          |                       |        | 480-08 | 480-09 | 480-10 | 480-11 | 480-12 | 480-13 | 480-14 | 480-15 | 480-16 | 480-17 | 480-18 |  |
| 500          |                       |        | 500-08 | 500-09 | 500-10 | 500-11 | 500-12 | 500-13 | 500-14 | 500-15 | 500-16 | 500-17 | 500-18 |  |
| 520          |                       |        |        | 520-09 | 520-10 | 520-11 | 520-12 | 520-13 | 520-14 | 520-15 | 520-16 | 520-17 | 520-18 |  |

### Femur Küntscher intramedullary Nail single slot

#### Küntscher-Marknägel für Femur

#### Clous centromedullaires de Küntscher pour femur



**Indication:** Used for closed intra-medullary nailing of fractures and osteotomies of femur, radius and ulna, as well as for distally located fractures of the humerus with image intensification. Nails curved on a constant radius (slot on outside of curve). Conforms to the anterior bow of the femur.

Nails for closed nailing will be delivered slotted and tapered at one end.

**Nail details:** Küntscher medullary nails are produced with a cloverleaf

profile to achieve axial and longitudinal elasticity. The cloverleaf designed combines high tensile strength with compressibility to minimize the danger of splitting the femur, when the nail is being driven. In addition, this feature allows the nail to expand to fit the wider portions of the medullary canal.

**Material:** Certified Stainless Steel according to ASTM F.138 - ISO 5832/1.

| Length<br>mm | Ref. No ROT-407...-.. |        |        |        |        |        |        |        |        |        |        |        |        |
|--------------|-----------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
|              | Diameters             |        |        |        |        |        |        |        |        |        |        |        |        |
|              | 6                     | 7      | 8      | 9      | 10     | 11     | 12     | 13     | 14     | 15     | 16     | 17     | 18     |
| 140          | 140-06                | 140-07 |        |        |        |        |        |        |        |        |        |        |        |
| 160          | 160-06                | 160-07 |        |        |        |        |        |        |        |        |        |        |        |
| 180          | 180-06                | 180-07 |        |        |        |        |        |        |        |        |        |        |        |
| 200          | 200-06                | 200-07 |        |        |        |        |        |        |        |        |        |        |        |
| 220          | 220-06                | 220-07 |        |        |        |        |        |        |        |        |        |        |        |
| 240          | 240-06                | 240-07 | 240-08 |        |        |        |        |        |        |        |        |        |        |
| 260          | 260-06                | 260-07 | 260-08 |        |        |        |        |        |        |        |        |        |        |
| 280          | 280-06                | 280-07 | 280-08 |        |        |        |        |        |        |        |        |        |        |
| 300          | 300-06                | 300-07 | 300-08 | 300-09 |        |        |        |        |        |        |        |        |        |
| 320          | 320-06                | 320-07 | 320-08 | 320-09 | 320-10 | 320-11 |        |        |        |        |        |        |        |
| 340          | 340-06                | 340-07 | 340-08 | 340-09 | 340-10 | 340-11 | 340-12 | 340-13 | 340-14 |        |        |        |        |
| 360          | 360-06                | 360-07 | 360-08 | 360-09 | 360-10 | 360-11 | 360-12 | 360-13 | 360-14 | 360-15 | 360-16 | 360-17 | 360-18 |
| 380          | 380-07                | 380-08 | 380-09 | 380-10 | 380-11 | 380-12 | 380-13 | 380-14 | 380-15 | 380-16 | 380-17 | 380-18 |        |
| 400          |                       | 400-07 | 400-08 | 400-09 | 400-10 | 400-11 | 400-12 | 400-13 | 400-14 | 400-15 | 400-16 | 400-17 | 400-18 |
| 420          |                       |        | 420-08 | 420-09 | 420-10 | 420-11 | 420-12 | 420-13 | 420-14 | 420-15 | 420-16 | 420-17 | 420-18 |
| 440          |                       |        |        | 440-08 | 440-09 | 440-10 | 440-11 | 440-12 | 440-13 | 440-14 | 440-15 | 440-16 | 440-17 |
| 460          |                       |        |        |        | 460-08 | 460-09 | 460-10 | 460-11 | 460-12 | 460-13 | 460-14 | 460-15 | 460-16 |
| 480          |                       |        |        |        |        | 480-08 | 480-09 | 480-10 | 480-11 | 480-12 | 480-13 | 480-14 | 480-15 |
| 500          |                       |        |        |        |        |        | 500-08 | 500-09 | 500-10 | 500-11 | 500-12 | 500-13 | 500-14 |
| 520          |                       |        |        |        |        |        |        | 520-09 | 520-10 | 520-11 | 520-12 | 520-13 | 520-14 |
|              |                       |        |        |        |        |        |        |        | 520-15 | 520-16 | 520-17 | 520-18 |        |



### Tibia Küntscher intramedullary Nail

### Küntscher-Marknägel für Tibia

### Clous centromedullaires de Küntscher pour tibia

**Indication:** Nails for conical forged ends for closed nailing of fractures and osteotomies of tibia and humerus. The flap prevents impacting the nail too deeply. The slot has been widened above the proximal bend to avoid jamming of the guide pin.

combines high tensile strength with compressibility to minimize the danger of splitting the tibia, when the nail is being driven. In addition, this feature allows the nail to expand to fit the wider portions of the medullary canal.

**Nail details:** Küntscher medullary nails are produced with a cloverleaf profile to achieve axial and longitudinal elasticity. The cloverleaf designed

**Material:** Certified Stainless Steel according to ASTM F.138 - ISO 5832/1.

| Length<br>mm | Ref. No ROT-408...-.. |        |        |        |        |        |        |        |        |  |
|--------------|-----------------------|--------|--------|--------|--------|--------|--------|--------|--------|--|
|              | Diameters             |        |        |        |        |        |        |        |        |  |
|              | 6                     | 7      | 8      | 9      | 10     | 11     | 12     | 13     | 14     |  |
| 180          | 180-06                | 180-07 | 180-08 | 180-09 | 180-10 | 180-11 | 180-12 | 180-13 |        |  |
| 190          | 190-06                | 190-07 | 190-08 | 190-09 | 190-10 | 190-11 | 190-12 | 190-13 |        |  |
| 200          | 200-06                | 200-07 | 200-08 | 200-09 | 200-10 | 200-11 | 200-12 | 200-13 |        |  |
| 210          | 210-06                | 210-07 | 210-08 | 210-09 | 210-10 | 210-11 | 210-12 | 210-13 |        |  |
| 220          | 220-06                | 220-07 | 220-08 | 220-09 | 220-10 | 220-11 | 220-12 | 220-13 |        |  |
| 230          | 230-06                | 230-07 | 230-08 | 230-09 | 230-10 | 230-11 | 230-12 | 230-13 |        |  |
| 240          | 240-06                | 240-07 | 240-08 | 240-09 | 240-10 | 240-11 | 240-12 | 240-13 |        |  |
| 250          | 250-06                | 250-07 | 250-08 | 250-09 | 250-10 | 250-11 | 250-12 | 250-13 |        |  |
| 260          | 260-06                | 260-07 | 260-08 | 260-09 | 260-10 | 260-11 | 260-12 | 260-13 |        |  |
| 270          | 270-06                | 270-07 | 270-08 | 270-09 | 270-10 | 270-11 | 270-12 | 270-13 |        |  |
| 280          | 280-06                | 280-07 | 280-08 | 280-09 | 280-10 | 280-11 | 280-12 | 280-13 |        |  |
| 290          | 290-06                | 290-07 | 290-08 | 290-09 | 290-10 | 290-11 | 290-12 | 290-13 |        |  |
| 300          | 300-06                | 300-07 | 300-08 | 300-09 | 300-10 | 300-11 | 300-12 | 300-13 | 300-14 |  |
| 310          |                       | 310-07 | 310-08 | 310-09 | 310-10 | 310-11 | 310-12 | 310-13 | 310-14 |  |
| 320          |                       | 320-07 | 320-08 | 320-09 | 320-10 | 320-11 | 320-12 | 320-13 | 320-14 |  |
| 330          |                       | 330-07 | 330-08 | 330-09 | 330-10 | 330-11 | 330-12 | 330-13 | 330-14 |  |
| 340          |                       | 340-07 | 340-08 | 340-09 | 340-10 | 340-11 | 340-12 | 340-13 | 340-14 |  |
| 350          |                       | 350-07 | 350-08 | 350-09 | 350-10 | 350-11 | 350-12 | 350-13 | 350-14 |  |
| 360          |                       | 360-07 | 360-08 | 360-09 | 360-10 | 360-11 | 360-12 | 360-13 | 360-14 |  |
| 370          |                       | 370-07 | 370-08 | 370-09 | 370-10 | 370-11 | 370-12 | 370-13 | 370-14 |  |
| 380          |                       | 380-07 | 380-08 | 380-09 | 380-10 | 380-11 | 380-12 | 380-13 | 380-14 |  |
| 390          |                       | 390-07 | 390-08 | 390-09 | 390-10 | 390-11 | 390-12 | 390-13 | 390-14 |  |
| 400          |                       | 400-07 | 400-08 | 400-09 | 400-10 | 400-11 | 400-12 | 400-13 | 400-14 |  |

**Ender Type Flexible Femoral intramedullary Nail**

**Ender Typen Flexible Markraumnägel für Femur**

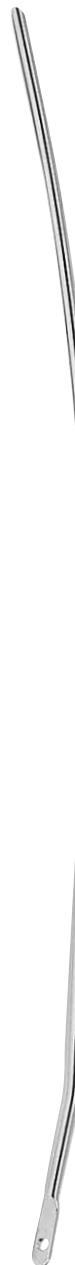
**Clous centromedullaires flexibles type Ender pour femur**

**Indication:** May be used for intramedullary fixation of pertrochanteric, intertrochanteric and subtrochanteric fractures of femur and tibia. May also be indicated for certain types of femoral diaphysis fractures where adequate fixation may be obtained.

**Pin details:** Cold worked to attain optimum temper. Diameter of femoral nail is 4.5 mm.

**Material:** Certified Stainless Steel according to ASTM F.138 - ISO 5832/1.

| Ref. No<br>Stainless Steel | Diam | Length<br>cm |
|----------------------------|------|--------------|
| ROT-410045-28              | 4.5  | 28           |
| ROT-410045-29              | 4.5  | 29           |
| ROT-410045-30              | 4.5  | 30           |
| ROT-410045-31              | 4.5  | 31           |
| ROT-410045-32              | 4.5  | 32           |
| ROT-410045-33              | 4.5  | 33           |
| ROT-410045-34              | 4.5  | 34           |
| ROT-410045-35              | 4.5  | 35           |
| ROT-410045-36              | 4.5  | 36           |
| ROT-410045-37              | 4.5  | 37           |
| ROT-410045-38              | 4.5  | 38           |
| ROT-410045-39              | 4.5  | 39           |
| ROT-410045-40              | 4.5  | 40           |
| ROT-410045-41              | 4.5  | 41           |
| ROT-410045-42              | 4.5  | 42           |
| ROT-410045-43              | 4.5  | 43           |
| ROT-410045-44              | 4.5  | 44           |
| ROT-410045-45              | 4.5  | 45           |
| ROT-410045-46              | 4.5  | 46           |
| ROT-410045-47              | 4.5  | 47           |
| ROT-410045-48              | 4.5  | 48           |





**Ender Type Flexible Tibial intramedullary Nail**

**Ender Typen Flexible Markraumnägel für Tibia**

**Clous centromedullaires flexibles type Ender pour tibia**

**Indication:** May be used for intramedullary fixation of the tibial fracture. May also be indicated for certain types of humeral fractures where adequate fixation may be obtained.

**Pin details:** Cold worked to attain optimum temper. Diameter of femoral nail is 3.5 mm.

**Material:** Certified Stainless Steel according to ASTM F.138 - ISO 5832/1.

| Ref. No<br>Stainless Steel | Diam | Length<br>cm |
|----------------------------|------|--------------|
| ROT-411035-20              | 3.5  | 20           |
| ROT-411035-22              | 3.5  | 22           |
| ROT-411035-23              | 3.5  | 23           |
| ROT-411035-24              | 3.5  | 24           |
| ROT-411035-25              | 3.5  | 25           |
| ROT-411035-26              | 3.5  | 26           |
| ROT-411035-27              | 3.5  | 27           |
| ROT-411035-28              | 3.5  | 28           |
| ROT-411035-29              | 3.5  | 29           |
| ROT-411035-30              | 3.5  | 30           |
| ROT-411035-31              | 3.5  | 31           |
| ROT-411035-32              | 3.5  | 32           |
| ROT-411035-33              | 3.5  | 33           |
| ROT-411035-34              | 3.5  | 34           |
| ROT-411035-35              | 3.5  | 35           |
| ROT-411035-36              | 3.5  | 36           |
| ROT-411035-37              | 3.5  | 37           |
| ROT-411035-38              | 3.5  | 38           |
| ROT-411035-39              | 3.5  | 39           |
| ROT-411035-40              | 3.5  | 40           |
| ROT-411035-41              | 3.5  | 41           |
| ROT-411035-42              | 3.5  | 42           |

**Rush type intramedullary pin**
**Hakenförmige Rush-Marknägel**
**Clous de Rush**

**Indication:** May be used for intramedullary fixation of shaft fractures of the diaphysis of long bones. The Rush intramedullary pin achieves the stabilisation of fractures through the opposition of dynamic forces. Points of pressure accurately transfix the fractured bone. The sled runner point enables the surgeon to insert from the side of the bone without driving it

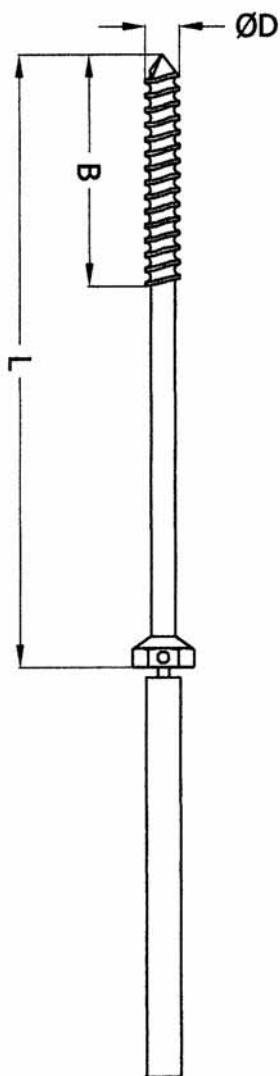
through the opposing cortex. The hook helps guard against sliding into medullary canal.

**Pin details:** Cold worked to attain optimum temper.

**Material:** Certified Stainless Steel according to ASTM F.138 - ISO 5832/1.

| Length<br>mm | Ref. No ROT-413...-... |               |               |               |
|--------------|------------------------|---------------|---------------|---------------|
|              | Diameters              |               |               |               |
|              | 2,4                    | 3,2           | 4,8           | 6,4           |
| 25           | <b>025-24</b>          |               |               |               |
| 30           | <b>030-24</b>          |               |               |               |
| 40           | <b>040-24</b>          |               |               |               |
| 45           | <b>045-24</b>          |               |               |               |
| 50           | <b>050-24</b>          |               |               |               |
| 60           | <b>060-24</b>          |               |               |               |
| 65           | <b>065-24</b>          |               |               |               |
| 70           | <b>070-24</b>          |               |               |               |
| 75           | <b>075-24</b>          |               |               |               |
| 85           | <b>085-24</b>          |               |               |               |
| 90           | <b>090-24</b>          |               |               |               |
| 95           | <b>095-24</b>          |               |               |               |
| 100          | <b>100-24</b>          | <b>100-32</b> |               |               |
| 115          | <b>115-24</b>          | <b>115-32</b> |               |               |
| 125          | <b>125-24</b>          | <b>125-32</b> |               |               |
| 140          | <b>140-24</b>          | <b>140-32</b> |               |               |
| 150          | <b>150-24</b>          | <b>150-32</b> |               |               |
| 165          | <b>165-24</b>          | <b>165-32</b> |               |               |
| 180          | <b>180-24</b>          | <b>180-32</b> |               |               |
| 190          | <b>190-24</b>          | <b>190-32</b> |               |               |
| 205          | <b>205-24</b>          | <b>205-32</b> | <b>205-48</b> |               |
| 215          | <b>215-24</b>          | <b>215-32</b> |               |               |
| 220          |                        |               | <b>220-48</b> |               |
| 230          | <b>230-24</b>          | <b>230-32</b> |               |               |
| 235          |                        | <b>235-32</b> |               |               |
| 240          | <b>240-24</b>          | <b>240-32</b> | <b>240-48</b> |               |
| 255          | <b>255-24</b>          | <b>255-32</b> | <b>255-48</b> |               |
| 280          |                        |               | <b>280-48</b> | <b>280-64</b> |
| 295          |                        |               | <b>295-48</b> | <b>295-64</b> |
| 315          |                        |               | <b>315-48</b> | <b>315-64</b> |
| 335          |                        |               | <b>335-48</b> | <b>335-64</b> |
| 355          |                        |               | <b>355-48</b> | <b>355-64</b> |
| 375          |                        |               |               | <b>375-64</b> |
| 395          |                        |               |               | <b>395-64</b> |
| 410          |                        |               |               | <b>410-64</b> |
| 430          |                        |               |               | <b>430-64</b> |



**Knowless Hip pin****Knowless-Marknägel****Cloos de Knowless**

**Indication:** In order to ensure a good grip on the femoral head, the pins have been manufactured with deep coarse thread that is larger in than the smooth shaft. Provided with a square bead for easier removal. Shaft is undercut in the back of bead to provide a "snap-off" feature. All pins diameter are supplied from 50 mm to 140 mm overall which provides a longer pin schaft, keeping the chuck out of the surgical incision. Thread length standard 32 mm for all pins.

**Pin details:** Cold worked to attain optimum temper.

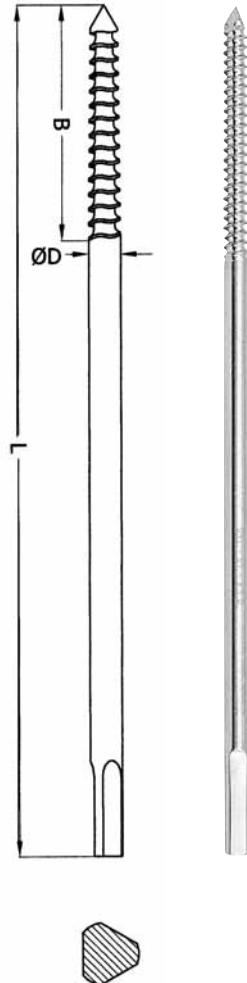
**Material:** Certified Stainless Steel according to ASTM F.138 - ISO 5832/1.

| (B)<br>mm | Length<br>mm | Ref. No ROT-414...-.. |        |        |
|-----------|--------------|-----------------------|--------|--------|
|           |              | Diameters             |        |        |
|           |              | 4.0                   | 4.5    | 5.0    |
| 32        | 50           | 050-40                | 050-45 | 050-50 |
| 32        | 55           | 055-40                | 055-45 | 055-50 |
| 32        | 60           | 060-40                | 060-45 | 060-50 |
| 32        | 65           | 065-40                | 065-45 | 065-50 |
| 32        | 70           | 070-40                | 070-45 | 070-50 |
| 32        | 75           | 075-40                | 075-45 | 075-50 |
| 32        | 80           | 080-40                | 080-45 | 080-50 |
| 32        | 85           | 085-40                | 085-45 | 085-50 |
| 32        | 90           | 090-40                | 090-45 | 090-50 |
| 32        | 95           | 095-40                | 095-45 | 095-50 |
| 32        | 100          | 100-40                | 100-45 | 100-50 |
| 32        | 105          | 105-40                | 105-45 | 105-50 |
| 32        | 110          | 110-40                | 110-45 | 110-50 |
| 32        | 115          | 115-40                | 115-45 | 115-50 |
| 32        | 120          | 120-40                | 120-45 | 120-50 |
| 32        | 125          | 125-40                | 125-45 | 125-50 |
| 32        | 130          | 130-40                | 130-45 | 130-50 |
| 32        | 135          | 135-40                | 135-45 | 135-50 |
| 32        | 140          | 140-40                | 140-45 | 140-50 |

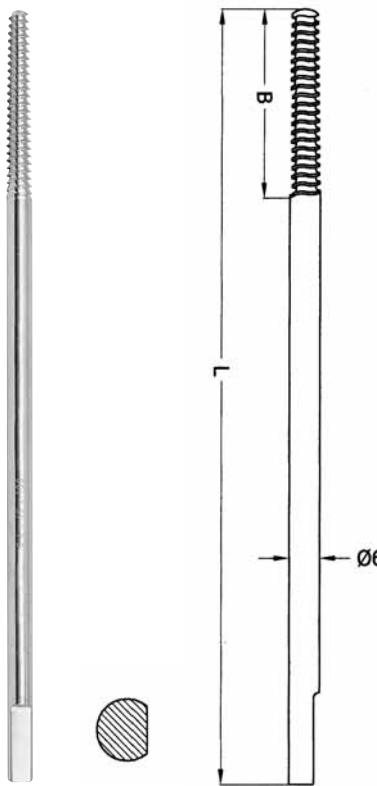
**Schanz Screws**
**Schanz'sche Schrauben**
**Vis de Schanz**

**Indication:** Fracture fixation. May also be used with REDA Circular external device and Tipofix Dynamic Axial fixators. Schanz are supplied with trocar point and three-sided end fits the Universal chuck.

**Material:** Certified Stainless Steel according to ASTM F.138 - ISO 5832/1.



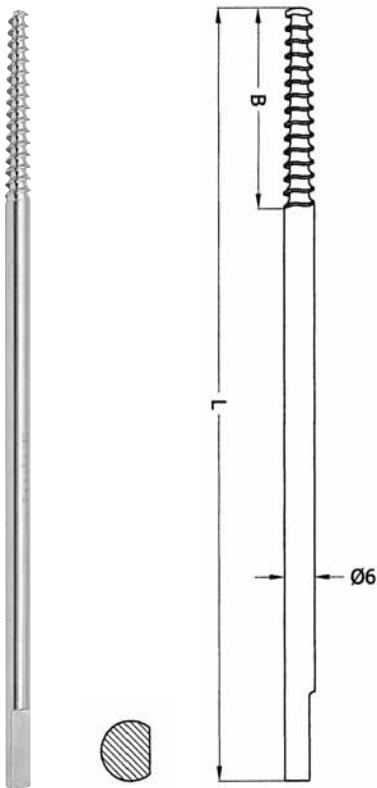
| Ref. No<br>Stainless Steel | Diam | Thread<br>Length<br>mm | Length<br>mm |
|----------------------------|------|------------------------|--------------|
| ROT-415150-30              | 3.0  | 30                     | 150          |
| ROT-415130-35              | 3.5  | 30                     | 130          |
| ROT-415150-35              | 3.5  | 35                     | 150          |
| ROT-415180-35              | 3.5  | 35                     | 180          |
| ROT-415130-40              | 4.0  | 30                     | 130          |
| ROT-415150-40              | 4.0  | 35                     | 150          |
| ROT-415180-40              | 4.0  | 40                     | 180          |
| ROT-415130-45              | 4.5  | 35                     | 130          |
| ROT-415150-45              | 4.5  | 45                     | 150          |
| ROT-415180-45              | 4.5  | 45                     | 180          |
| ROT-415130-50              | 5.0  | 35                     | 130          |
| ROT-415150-50              | 5.0  | 45                     | 150          |
| ROT-415180-50              | 5.0  | 45                     | 180          |
| ROT-415200-50              | 5.0  | 45                     | 200          |
| ROT-415220-50              | 5.0  | 45                     | 220          |

**Schanz Screws with cortical thread****Schanz'sche Schrauben mit Kortikalisgewinde****Vis de Schanz à filetage cortical**

**Indication:** Fracture fixation. May also be used specially with Tipofix Dynamic Axial fixators. These schanz screws are supplied with three-sided end fits the Universal chuck.

**Material:** Certified Stainless Steel according to ASTM F.138 - ISO 5832/1

| Ref. No<br>Stainless Steel | Diam | Thread<br>Length<br>mm | Length<br>mm |
|----------------------------|------|------------------------|--------------|
| ROT-416130-60              | 6.0  | 30                     | 130          |
| ROT-416150-60              | 6.0  | 45                     | 150          |
| ROT-416180-60              | 6.0  | 45                     | 180          |
| ROT-416200-60              | 6.0  | 45                     | 200          |
| ROT-416220-60              | 6.0  | 55                     | 220          |

**Section of Schanz intramedullary screws system with cancellous thread****Schanz Screws with cancellous thread****Schanz'sche Schrauben mit Spongiosagewinde****Vis de Schanz à filetage spongieux**

**Indication:** Fracture fixation. May also be used specially with Tipofix Dynamic Axial fixators. These schanz screws are supplied with three-sided end fits the Universal chuck.

**Material:** Certified Stainless Steel according to ASTM F.138 - ISO 5832/1

| Ref. No<br>Stainless Steel | Diam | Thread<br>Length<br>mm | Length<br>mm |
|----------------------------|------|------------------------|--------------|
| ROT-416130-60 C            | 6.0  | 30                     | 130          |
| ROT-416150-60 C            | 6.0  | 45                     | 150          |
| ROT-416180-60 C            | 6.0  | 45                     | 180          |
| ROT-416200-60 C            | 6.0  | 45                     | 200          |
| ROT-416220-60 C            | 6.0  | 55                     | 220          |
| ROT-416250-60 C            | 6.0  | 70                     | 250          |

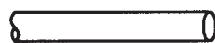
**Steinmann Pins with Trocar point / round shaft end**

**Steinmann Nägel mit Trokarspitze / rundes Schaftende**

**Clavos para huesos Steinmann con Punta Trocar con extremo redondo**

**Chiodi per ossa Steinmann con Punta trequarti con estremità rotonda**

**Indication:** Used in skeletal traction    **Material:** Certified Stainless Steel  
for aligment and reduction of fractures according to ASTM F.138 - ISO  
and with certain external fixation 5832/1.  
system. Steinman pins are supplied  
with trocar point.



Ref. No ROT-417...-...

| Length<br>mm | Diameters     |               |               |               |               |               |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|
|              | 3,2           | 3,5           | 4,0           | 4,5           | 5,0           | 6,0           |
| 80           | <b>080-32</b> | <b>080-35</b> | <b>080-40</b> | <b>080-45</b> | <b>080-50</b> | <b>080-60</b> |
| 100          | <b>100-32</b> | <b>100-35</b> | <b>100-40</b> | <b>100-45</b> | <b>100-50</b> | <b>100-60</b> |
| 120          | <b>120-32</b> | <b>120-35</b> | <b>120-40</b> | <b>120-45</b> | <b>120-50</b> | <b>120-60</b> |
| 140          | <b>140-32</b> | <b>140-35</b> | <b>140-40</b> | <b>140-45</b> | <b>140-50</b> | <b>140-60</b> |
| 150          | <b>150-32</b> | <b>150-35</b> | <b>150-40</b> | <b>150-45</b> | <b>150-50</b> | <b>150-60</b> |
| 160          | <b>160-32</b> | <b>160-35</b> | <b>160-40</b> | <b>160-45</b> | <b>160-50</b> | <b>160-60</b> |
| 180          | <b>180-32</b> | <b>180-35</b> | <b>180-40</b> | <b>180-45</b> | <b>180-50</b> | <b>180-60</b> |
| 200          | <b>200-32</b> | <b>200-35</b> | <b>200-40</b> | <b>200-45</b> | <b>200-50</b> | <b>200-60</b> |
| 210          | <b>210-32</b> | <b>210-35</b> | <b>210-40</b> | <b>210-45</b> | <b>210-50</b> | <b>210-60</b> |
| 220          | <b>220-32</b> | <b>220-35</b> | <b>220-40</b> | <b>220-45</b> | <b>220-50</b> | <b>220-60</b> |
| 240          | <b>240-32</b> | <b>240-35</b> | <b>240-40</b> | <b>240-45</b> | <b>240-50</b> | <b>240-60</b> |
| 250          | <b>250-32</b> | <b>250-35</b> | <b>250-40</b> | <b>250-45</b> | <b>250-50</b> | <b>250-60</b> |
| 260          | <b>260-32</b> | <b>260-35</b> | <b>260-40</b> | <b>260-45</b> | <b>260-50</b> | <b>260-60</b> |
| 280          | <b>280-32</b> | <b>280-35</b> | <b>280-40</b> | <b>280-45</b> | <b>280-50</b> | <b>280-60</b> |
| 300          | <b>300-32</b> | <b>300-35</b> | <b>300-40</b> | <b>300-45</b> | <b>300-50</b> | <b>300-60</b> |



**Steinmann Pins with Trocar point / triangular shaft end**

**Steinmann Nägel mit Trokarspitze / 3-kant Schaftende**

**Clavos para huesos Steinmann con Punta Trocar con extremo triangular**

**Chiodi per ossa Steinmann conPunta trequarti con triangolari**

**Indication:** Used in skeletal traction for alignment and reduction of fractures and with certain external fixation system. Steinman pins are supplied with trocar point.

**Material:** Certified Stainless Steel according to ASTM F.138 - ISO 5832/1.



Ref. No ROT-417....-/3

| Length<br>mm | Diameters       |                 |                 |                 |                 |                 |
|--------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
|              | 3,2             | 3,5             | 4,0             | 4,5             | 5,0             | 6,0             |
| 80           | <b>080-32/3</b> | <b>080-35/3</b> | <b>080-40/3</b> | <b>080-45/3</b> | <b>080-50/3</b> | <b>080-60/3</b> |
| 100          | <b>100-32/3</b> | <b>100-35/3</b> | <b>100-40/3</b> | <b>100-45/3</b> | <b>100-50/3</b> | <b>100-60/3</b> |
| 120          | <b>120-32/3</b> | <b>120-35/3</b> | <b>120-40/3</b> | <b>120-45/3</b> | <b>120-50/3</b> | <b>120-60/3</b> |
| 140          | <b>140-32/3</b> | <b>140-35/3</b> | <b>140-40/3</b> | <b>140-45/3</b> | <b>140-50/3</b> | <b>140-60/3</b> |
| 150          | <b>150-32/3</b> | <b>150-35/3</b> | <b>150-40/3</b> | <b>150-45/3</b> | <b>150-50/3</b> | <b>150-60/3</b> |
| 160          | <b>160-32/3</b> | <b>160-35/3</b> | <b>160-40/3</b> | <b>160-45/3</b> | <b>160-50/3</b> | <b>160-60/3</b> |
| 180          | <b>180-32/3</b> | <b>180-35/3</b> | <b>180-40/3</b> | <b>180-45/3</b> | <b>180-50/3</b> | <b>180-60/3</b> |
| 200          | <b>200-32/3</b> | <b>200-35/3</b> | <b>200-40/3</b> | <b>200-45/3</b> | <b>200-50/3</b> | <b>200-60/3</b> |
| 210          | <b>210-32/3</b> | <b>210-35/3</b> | <b>210-40/3</b> | <b>210-45/3</b> | <b>210-50/3</b> | <b>210-60/3</b> |
| 220          | <b>220-32/3</b> | <b>220-35/3</b> | <b>220-40/3</b> | <b>220-45/3</b> | <b>220-50/3</b> | <b>220-60/3</b> |
| 240          | <b>240-32/3</b> | <b>240-35/3</b> | <b>240-40/3</b> | <b>240-45/3</b> | <b>240-50/3</b> | <b>240-60/3</b> |
| 250          | <b>250-32/3</b> | <b>250-35/3</b> | <b>250-40/3</b> | <b>250-45/3</b> | <b>250-50/3</b> | <b>250-60/3</b> |
| 260          | <b>260-32/3</b> | <b>260-35/3</b> | <b>260-40/3</b> | <b>260-45/3</b> | <b>260-50/3</b> | <b>260-60/3</b> |
| 280          | <b>280-32/3</b> | <b>280-35/3</b> | <b>280-40/3</b> | <b>280-45/3</b> | <b>280-50/3</b> | <b>280-60/3</b> |
| 300          | <b>300-32/3</b> | <b>300-35/3</b> | <b>300-40/3</b> | <b>300-45/3</b> | <b>300-50/3</b> | <b>300-60/3</b> |

**Steinmann Pins with Trocar point / Square headed shaft end**
**Steinmann Nägel mit Trokarspitze / 4-kant Schaftende**
**Clavos para huesos Steinmann con Punta Trocar con extremo cuadrangular**
**Chiodi per ossa Steinmann con Punta trequarti con quadrangolare**

**Indication:** Used in skeletal traction    **Material:** Certified Stainless Steel  
 for aligment and reduction of fractures according to ASTM F.138 - ISO  
 and with certain external fixation 5832/1.  
 system. Steinman pins are supplied  
 with trocar point.


**Ref. No ROT-417....-/4**

| Length<br>mm | Diameters       |                 |                 |                 |                 |                 |
|--------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
|              | 3,2             | 3,5             | 4,0             | 4,5             | 5,0             | 6,0             |
| 80           | <b>080-32/4</b> | <b>080-35/4</b> | <b>080-40/4</b> | <b>080-45/4</b> | <b>080-50/4</b> | <b>080-60/4</b> |
| 100          | <b>100-32/4</b> | <b>100-35/4</b> | <b>100-40/4</b> | <b>100-45/4</b> | <b>100-50/4</b> | <b>100-60/4</b> |
| 120          | <b>120-32/4</b> | <b>120-35/4</b> | <b>120-40/4</b> | <b>120-45/4</b> | <b>120-50/4</b> | <b>120-60/4</b> |
| 140          | <b>140-32/4</b> | <b>140-35/4</b> | <b>140-40/4</b> | <b>140-45/4</b> | <b>140-50/4</b> | <b>140-60/4</b> |
| 150          | <b>150-32/4</b> | <b>150-35/4</b> | <b>150-40/4</b> | <b>150-45/4</b> | <b>150-50/4</b> | <b>150-60/4</b> |
| 160          | <b>160-32/4</b> | <b>160-35/4</b> | <b>160-40/4</b> | <b>160-45/4</b> | <b>160-50/4</b> | <b>160-60/4</b> |
| 180          | <b>180-32/4</b> | <b>180-35/4</b> | <b>180-40/4</b> | <b>180-45/4</b> | <b>180-50/4</b> | <b>180-60/4</b> |
| 200          | <b>200-32/4</b> | <b>200-35/4</b> | <b>200-40/4</b> | <b>200-45/4</b> | <b>200-50/4</b> | <b>200-60/4</b> |
| 210          | <b>210-32/4</b> | <b>210-35/4</b> | <b>210-40/4</b> | <b>210-45/4</b> | <b>210-50/4</b> | <b>210-60/4</b> |
| 220          | <b>220-32/4</b> | <b>220-35/4</b> | <b>220-40/4</b> | <b>220-45/4</b> | <b>220-50/4</b> | <b>220-60/4</b> |
| 240          | <b>240-32/4</b> | <b>240-35/4</b> | <b>240-40/4</b> | <b>240-45/4</b> | <b>240-50/4</b> | <b>240-60/4</b> |
| 250          | <b>250-32/4</b> | <b>250-35/4</b> | <b>250-40/4</b> | <b>250-45/4</b> | <b>250-50/4</b> | <b>250-60/4</b> |
| 260          | <b>260-32/4</b> | <b>260-35/4</b> | <b>260-40/4</b> | <b>260-45/4</b> | <b>260-50/4</b> | <b>260-60/4</b> |
| 280          | <b>280-32/4</b> | <b>280-35/4</b> | <b>280-40/4</b> | <b>280-45/4</b> | <b>280-50/4</b> | <b>280-60/4</b> |
| 300          | <b>300-32/4</b> | <b>300-35/4</b> | <b>300-40/4</b> | <b>300-45/4</b> | <b>300-50/4</b> | <b>300-60/4</b> |

**Steinmann Pins with Trocar point / flat shaft end****Steinmann Nägel mit Trokarspitze / flaches Schaftende****Clavos para huesos Steinmann con Punta Trocar con extremo plano****Chiodi per ossa Steinmann con Punta trequarti con estremo piatto**

**Indication:** Used in skeletal traction  
 for alignment and reduction of fractures  
 and with certain external fixation  
 system. Steinman pins are supplied  
 with trocar point.

**Material:** Certified Stainless Steel  
 according to ASTM F.138 - ISO  
 5832/1.

**Ref. No ROT-417....-/F**

| Length<br>mm | Diameters       |                 |                 |                 |                 |                 |
|--------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
|              | 3,2             | 3,5             | 4,0             | 4,5             | 5,0             | 6,0             |
| 80           | <b>080-32/F</b> | <b>080-35/F</b> | <b>080-40/F</b> | <b>080-45/F</b> | <b>080-50/F</b> | <b>080-60/F</b> |
| 100          | <b>100-32/F</b> | <b>100-35/F</b> | <b>100-40/F</b> | <b>100-45/F</b> | <b>100-50/F</b> | <b>100-60/F</b> |
| 120          | <b>120-32/F</b> | <b>120-35/F</b> | <b>120-40/F</b> | <b>120-45/F</b> | <b>120-50/F</b> | <b>120-60/F</b> |
| 140          | <b>140-32/F</b> | <b>140-35/F</b> | <b>140-40/F</b> | <b>140-45/F</b> | <b>140-50/F</b> | <b>140-60/F</b> |
| 150          | <b>150-32/F</b> | <b>150-35/F</b> | <b>150-40/F</b> | <b>150-45/F</b> | <b>150-50/F</b> | <b>150-60/F</b> |
| 160          | <b>160-32/F</b> | <b>160-35/F</b> | <b>160-40/F</b> | <b>160-45/F</b> | <b>160-50/F</b> | <b>160-60/F</b> |
| 180          | <b>180-32/F</b> | <b>180-35/F</b> | <b>180-40/F</b> | <b>180-45/F</b> | <b>180-50/F</b> | <b>180-60/F</b> |
| 200          | <b>200-32/F</b> | <b>200-35/F</b> | <b>200-40/F</b> | <b>200-45/F</b> | <b>200-50/F</b> | <b>200-60/F</b> |
| 210          | <b>210-32/F</b> | <b>210-35/F</b> | <b>210-40/F</b> | <b>210-45/F</b> | <b>210-50/F</b> | <b>210-60/F</b> |
| 220          | <b>220-32/F</b> | <b>220-35/F</b> | <b>220-40/F</b> | <b>220-45/F</b> | <b>220-50/F</b> | <b>220-60/F</b> |
| 240          | <b>240-32/F</b> | <b>240-35/F</b> | <b>240-40/F</b> | <b>240-45/F</b> | <b>240-50/F</b> | <b>240-60/F</b> |
| 250          | <b>250-32/F</b> | <b>250-35/F</b> | <b>250-40/F</b> | <b>250-45/F</b> | <b>250-50/F</b> | <b>250-60/F</b> |
| 260          | <b>260-32/F</b> | <b>260-35/F</b> | <b>260-40/F</b> | <b>260-45/F</b> | <b>260-50/F</b> | <b>260-60/F</b> |
| 280          | <b>280-32/F</b> | <b>280-35/F</b> | <b>280-40/F</b> | <b>280-45/F</b> | <b>280-50/F</b> | <b>280-60/F</b> |
| 300          | <b>300-32/F</b> | <b>300-35/F</b> | <b>300-40/F</b> | <b>300-45/F</b> | <b>300-50/F</b> | <b>300-60/F</b> |

**Steinmann Pins with Trocar point / trocar shaft end**
**Steinmann Nägel mit Trokarspitze / Trokar Schaftende**
**Clavos para huesos Steinmann con Punta Trocar con punta trcar**
**Chiodi per ossa Steinmann con Punta trequarti con trequarti Bilateral**


**Indication:** Used in skeletal traction    **Material:** Certified Stainless Steel  
 for alignment and reduction of fractures according to ASTM F.138 - ISO  
 and with certain external fixation 5832/1.  
 system. Steinman pins are supplied  
 with trocar point.


**Ref. No ROT-417...-..T**

| Length<br>mm | Diameters       |                 |                 |                 |                 |                 |
|--------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
|              | 3,2             | 3,5             | 4,0             | 4,5             | 5,0             | 6,0             |
| 80           | <b>080-32/T</b> | <b>080-35/T</b> | <b>080-40/T</b> | <b>080-45/T</b> | <b>080-50/T</b> | <b>080-60/T</b> |
| 100          | <b>100-32/T</b> | <b>100-35/T</b> | <b>100-40/T</b> | <b>100-45/T</b> | <b>100-50/T</b> | <b>100-60/T</b> |
| 120          | <b>120-32/T</b> | <b>120-35/T</b> | <b>120-40/T</b> | <b>120-45/T</b> | <b>120-50/T</b> | <b>120-60/T</b> |
| 140          | <b>140-32/T</b> | <b>140-35/T</b> | <b>140-40/T</b> | <b>140-45/T</b> | <b>140-50/T</b> | <b>140-60/T</b> |
| 150          | <b>150-32/T</b> | <b>150-35/T</b> | <b>150-40/T</b> | <b>150-45/T</b> | <b>150-50/T</b> | <b>150-60/T</b> |
| 160          | <b>160-32/T</b> | <b>160-35/T</b> | <b>160-40/T</b> | <b>160-45/T</b> | <b>160-50/T</b> | <b>160-60/T</b> |
| 180          | <b>180-32/T</b> | <b>180-35/T</b> | <b>180-40/T</b> | <b>180-45/T</b> | <b>180-50/T</b> | <b>180-60/T</b> |
| 200          | <b>200-32/T</b> | <b>200-35/T</b> | <b>200-40/T</b> | <b>200-45/T</b> | <b>200-50/T</b> | <b>200-60/T</b> |
| 210          | <b>210-32/T</b> | <b>210-35/T</b> | <b>210-40/T</b> | <b>210-45/T</b> | <b>210-50/T</b> | <b>210-60/T</b> |
| 220          | <b>220-32/T</b> | <b>220-35/T</b> | <b>220-40/T</b> | <b>220-45/T</b> | <b>220-50/T</b> | <b>220-60/T</b> |
| 240          | <b>240-32/T</b> | <b>240-35/T</b> | <b>240-40/T</b> | <b>240-45/T</b> | <b>240-50/T</b> | <b>240-60/T</b> |
| 250          | <b>250-32/T</b> | <b>250-35/T</b> | <b>250-40/T</b> | <b>250-45/T</b> | <b>250-50/T</b> | <b>250-60/T</b> |
| 260          | <b>260-32/T</b> | <b>260-35/T</b> | <b>260-40/T</b> | <b>260-45/T</b> | <b>260-50/T</b> | <b>260-60/T</b> |
| 280          | <b>280-32/T</b> | <b>280-35/T</b> | <b>280-40/T</b> | <b>280-45/T</b> | <b>280-50/T</b> | <b>280-60/T</b> |
| 300          | <b>300-32/T</b> | <b>300-35/T</b> | <b>300-40/T</b> | <b>300-45/T</b> | <b>300-50/T</b> | <b>300-60/T</b> |

**Steinmann pin, trocar point with 15 mm thread / round shaft end**

**Steinmann Nagel, Trokarspitze mit 15 mm Gewinde / rundes Schaftende**

**Steinmann clavo, punta trocar con 15 mm rosca / con estremo redondo**

**Steinmann chiodo, punta trocar con 15 mm filetto / con estremita rotonda**

**Indication:** Used in skeletal traction  
**Material:** Certified Stainless Steel  
 for alignment and reduction of fractures according to ASTM F.138 - ISO  
 and with certain external fixation 5832/1.  
 system. Steinman pins are supplied  
 with trocar point.



Ref. No ROT-419....-

| Length<br>mm | Diameters |        |        |        |        |        |        |        |        |
|--------------|-----------|--------|--------|--------|--------|--------|--------|--------|--------|
|              | 2,0       | 2,4    | 2,5    | 2,8    | 3,2    | 3,5    | 4,0    | 4,5    | 5,0    |
| 230          | 230-20    | 230-24 | 230-25 | 230-28 | 230-32 | 230-35 | 230-40 | 230-45 | 230-50 |
| 300          | 300-20    | 300-24 | 300-25 | 300-28 | 300-32 | 300-35 | 300-40 | 300-45 | 300-50 |

**Steinmann pin, trocar point with 15 mm thread / trocar shaft end with thread**

**Steinmann Nagel, Trokarspitze mit 15 mm Gewinde / Trokarend mit Gewinde**

**Steinmann clavo, punta trocar con 15 mm rosca / punta trocar con 15 mm rosca**

**Steinmann chiodo, punta trocar con 15 mm filetto / punta trocar con 15 mm filetto**

**Indication:** Used in skeletal traction    **Material:** Certified Stainless Steel  
 for aligment and reduction of fractures    according to ASTM F.138 - ISO  
 and with certain external fixation 5832/1.  
 system. Steinman pins are supplied  
 with trocar point.



Ref. No ROT-419...-./T

| Length<br>mm | Diameters |          |          |          |          |          |          |          |          |
|--------------|-----------|----------|----------|----------|----------|----------|----------|----------|----------|
|              | 2,0       | 2,4      | 2,5      | 2,8      | 3,2      | 3,5      | 4,0      | 4,5      | 5,0      |
| 230          | 230-20/T  | 230-24/T | 230-25/T | 230-28/T | 230-32/T | 230-35/T | 230-40/T | 230-45/T | 230-50/T |
| 300          | 300-20/T  | 300-24/T | 300-25/T | 300-28/T | 300-32/T | 300-35/T | 300-40/T | 300-45/T | 300-50/T |

**Steinmann pin, lance point with 15 mm thread / round shaft end**

**Steinmann Nagel, Lanzettenspitze mit 15 mm Gewinde / rundes Schaftende**

**Steinmann clavo, punta lanceolar con 15 mm rosca / con estremo redondo**

**Steinmann chiodo, punta lanceolata con 15 mm filetto / con estremita rotonda**

**Indication:** Used in skeletal traction    **Material:** Certified Stainless Steel  
 for aligment and reduction of fractures according to ASTM F.138 - ISO  
 and with certain external fixation 5832/1.  
 system. Steinman pins are supplied  
 with trocar point.



Ref. No ROT-421...-..

| Length<br>mm | Diameters     |               |               |               |               |               |               |               |               |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
|              | 2,0           | 2,4           | 2,5           | 2,8           | 3,2           | 3,5           | 4,0           | 4,5           | 5,0           |
| 230          | <b>230-20</b> | <b>230-24</b> | <b>230-25</b> | <b>230-28</b> | <b>230-32</b> | <b>230-35</b> | <b>230-40</b> | <b>230-45</b> | <b>230-50</b> |
| 300          | <b>300-20</b> | <b>300-24</b> | <b>300-25</b> | <b>300-28</b> | <b>300-32</b> | <b>300-35</b> | <b>300-40</b> | <b>300-45</b> | <b>300-50</b> |

**Steinmann pin, lance point with 15 mm thread / lance shaft end with thread**

**Steinmann Nagel, Lanzettenspitze mit 15 mm Gewinde / Lanzettenspitze mit Gewinde**

**Steinmann clavo, punta lanceolar con 15 mm rosca / punta lanceolar con 15 mm rosca**

**Steinmann chiodo, punta lanceolata con 15 mm filetto / punta lanceolata con 15 mm filetto**

**Indication:** Used in skeletal traction    **Material:** Certified Stainless Steel  
 for aligment and reduction of fractures    according to ASTM F.138 - ISO  
 and with certain external fixation 5832/1.  
 system. Steinman pins are supplied  
 with trocar point.



Ref. No ROT-421...-./L

| Length<br>mm | Diameters |          |          |          |          |          |          |          |          |
|--------------|-----------|----------|----------|----------|----------|----------|----------|----------|----------|
|              | 2,0       | 2,4      | 2,5      | 2,8      | 3,2      | 3,5      | 4,0      | 4,5      | 5,0      |
| 230          | 230-20/L  | 230-24/L | 230-25/L | 230-28/L | 230-32/L | 230-35/L | 230-40/L | 230-45/L | 230-50/L |
| 300          | 300-20/L  | 300-24/L | 300-25/L | 300-28/L | 300-32/L | 300-35/L | 300-40/L | 300-45/L | 300-50/L |

**Kirschner Drill wires with Trocar point / round shaft end**
**Kirschner Bohrdrähte mit Trokarspitze / rundes Schaftende**
**Alambres Kirschner Punta Trocar con extremo redondo**
**Perforatori filiformi Kirschner con Punta trequarti con estremità rotonda**

**Indication:** Use in setting fractures. **Material:** Certified Stainless Steel  
 Supplied with trocar point in which according to ASTM F.138 - ISO  
 the tip is sharpened to a three facet 5832/1.  
 point.



| diam.<br>mm | Ref. No ROT-440....- |        |        |        |        |        |
|-------------|----------------------|--------|--------|--------|--------|--------|
|             | length               |        |        |        |        |        |
|             | 7                    | 10     | 13     | 15     | 23     | 31     |
| 0,8         | 070-08               | 100-08 | 130-08 | 150-08 | 230-08 | 310-08 |
| 0,9         |                      | 100-09 | 130-09 | 150-09 | 230-09 | 310-09 |
| 1,0         | 070-10               | 100-10 | 130-10 | 150-10 | 230-10 | 310-10 |
| 1,1         |                      | 100-11 | 130-11 | 150-11 | 230-11 | 310-11 |
| 1,2         |                      | 100-12 | 130-12 | 150-12 | 230-12 | 310-12 |
| 1,3         |                      | 100-13 | 130-13 | 150-13 | 230-13 | 310-13 |
| 1,4         |                      | 100-14 | 130-14 | 150-14 | 230-14 | 310-14 |
| 1,5         |                      | 100-15 | 130-15 | 150-15 | 230-15 | 310-15 |
| 1,6         |                      | 100-16 | 130-16 | 150-16 | 230-16 | 310-16 |
| 1,7         |                      | 100-17 | 130-17 | 150-17 | 230-17 | 310-17 |
| 1,8         |                      | 100-18 | 130-18 | 150-18 | 230-18 | 310-18 |
| 1,9         |                      | 100-19 | 130-19 | 150-19 | 230-19 | 310-19 |
| 2,0         |                      | 100-20 | 130-20 | 150-20 | 230-20 | 310-20 |
| 2,2         |                      | 100-22 | 130-22 | 150-22 | 230-22 | 310-22 |
| 2,4         |                      | 100-24 | 130-24 | 150-24 | 230-24 | 310-24 |
| 2,5         | 070-25               | 100-25 | 130-25 | 150-25 | 230-25 | 310-25 |
| 2,8         |                      | 100-28 | 130-28 | 150-28 | 230-28 | 310-28 |
| 3,0         |                      | 100-30 | 130-30 | 150-30 | 230-30 | 310-30 |

**Kirschner Drill Wires with Trocar point / triangular shaft end**
**Kirschner Bohrdrähte mit Trokarspitze / 3-kant Schaftende**
**Alambres Kirschner con Punta Trocar con extremo triangular**
**Perforatori filiformi Kirschner con Punta tre quarti con triangolari**

**Indication:** Use in setting fractures. **Material:** Certified Stainless Steel  
 Supplied with trocar point in which according to ASTM F.138 - ISO  
 the tip is sharpened to a three facet 5832/1.  
 point.



| diam.<br>mm | Ref. No ROT-440....-/3 |          |          |          |          |
|-------------|------------------------|----------|----------|----------|----------|
|             |                        |          | length   |          |          |
|             | 10                     | 13       | 15       | 23       | 31       |
| 2,0         | 100-20/3               | 130-20/3 | 150-20/3 | 230-20/3 | 310-20/3 |
| 2,2         | 100-22/3               | 130-22/3 | 150-22/3 | 230-22/3 | 310-22/3 |
| 2,4         | 100-24/3               | 130-24/3 | 150-24/3 | 230-24/3 | 310-24/3 |
| 2,5         | 100-25/3               | 130-25/3 | 150-25/3 | 230-25/3 | 310-25/3 |
| 2,8         | 100-28/3               | 130-28/3 | 150-28/3 | 230-28/3 | 310-28/3 |
| 3,0         | 100-30/3               | 130-30/3 | 150-30/3 | 230-30/3 | 310-30/3 |

**Kirschner Drill Wires with Trocar point / Square headed shaft end****Kirschner Bohrdrähte mit Trokarspitze / 4-kant Schaftende****Alambres Kirschner con Punta Trocar con extremo cuadrangular****Perforatori filiformi Kirschner con Punta trequarti con quadrangolare**

**Indication:** Use in setting fractures. **Material:** Certified Stainless Steel  
 Supplied with trocar point in which according to ASTM F.138 - ISO  
 the tip is sharpened to a three facet 5832/1.  
 point.



| diam.<br>mm | Ref. No ROT-440...-/4 |          |          |          |          |
|-------------|-----------------------|----------|----------|----------|----------|
|             |                       |          | length   |          |          |
|             | 10                    | 13       | 15       | 23       | 31       |
| 2,0         | 100-20/4              | 130-20/4 | 150-20/4 | 230-20/4 | 310-20/4 |
| 2,2         | 100-22/4              | 130-22/4 | 150-22/4 | 230-22/4 | 310-22/4 |
| 2,4         | 100-24/4              | 130-24/4 | 150-24/4 | 230-24/4 | 310-24/4 |
| 2,5         | 100-25/4              | 130-25/4 | 150-25/4 | 230-25/4 | 310-25/4 |
| 2,8         | 100-28/4              | 130-28/4 | 150-28/4 | 230-28/4 | 310-28/4 |
| 3,0         | 100-30/4              | 130-30/4 | 150-30/4 | 230-30/4 | 310-30/4 |

**Kirschner Drill Wires with Trocar point / flat shaft end**
**Krischner Bohrdrähte mit Trokarspitze / flaches Schaftende**
**Alambres Kirschner con Punta Trocar con extremo plano**
**Perforatorio filiformi Kirschner con Punta trequarti con estremo piatto**

**Indication:** Use in setting fractures. **Material:** Certified Stainless Steel  
 Supplied with trocar point in which according to ASTM F.138 - ISO  
 the tip is sharpened to a three facet 5832/1.  
 point.



| diam.<br>mm | Ref. No ROT-440....-/F |          |          |          |          |
|-------------|------------------------|----------|----------|----------|----------|
|             | length                 |          |          |          |          |
|             | 10                     | 13       | 15       | 23       | 31       |
| 0,8         | 100-08/F               | 130-08/F | 150-08/F | 230-08/F | 310-08/F |
| 0,9         | 100-09/F               | 130-09/F | 150-09/F | 230-09/F | 310-09/F |
| 1,0         | 100-10/F               | 130-10/F | 150-10/F | 230-10/F | 310-10/F |
| 1,1         | 100-11/F               | 130-11/F | 150-11/F | 230-11/F | 310-11/F |
| 1,2         | 100-12/F               | 130-12/F | 150-12/F | 230-12/F | 310-12/F |
| 1,3         | 100-13/F               | 130-13/F | 150-13/F | 230-13/F | 310-13/F |
| 1,4         | 100-14/F               | 130-14/F | 150-14/F | 230-14/F | 310-14/F |
| 1,5         | 100-15/F               | 130-15/F | 150-15/F | 230-15/F | 310-15/F |
| 1,6         | 100-16/F               | 130-16/F | 150-16/F | 230-16/F | 310-16/F |
| 1,7         | 100-17/F               | 130-17/F | 150-17/F | 230-17/F | 310-17/F |
| 1,8         | 100-18/F               | 130-18/F | 150-18/F | 230-18/F | 310-18/F |
| 1,9         | 100-19/F               | 130-19/F | 150-19/F | 230-19/F | 310-19/F |
| 2,0         | 100-20/F               | 130-20/F | 150-20/F | 230-20/F | 310-20/F |
| 2,2         | 100-22/F               | 130-22/F | 150-22/F | 230-22/F | 310-22/F |
| 2,4         | 100-24/F               | 130-24/F | 150-24/F | 230-24/F | 310-24/F |
| 2,5         | 100-25/F               | 130-25/F | 150-25/F | 230-25/F | 310-25/F |
| 2,8         | 100-28/F               | 130-28/F | 150-28/F | 230-28/F | 310-28/F |
| 3,0         | 100-30/F               | 130-30/F | 150-30/F | 230-30/F | 310-30/F |

**Kirschner Drill Wires with Trocar point / trocar shaft end****Kirschner Bohrdrähte mit Trokarspitze / Trokar Schaftende****Alambres Kirschner con Punta Trocar con punta trcar****Chiodi per ossa Steinmann Punta trequarti con trequarti Bilateral**

**Indication:** Use in setting fractures. **Material:** Certified Stainless Steel  
 Supplied with trocar point in which according to ASTM F.138 - ISO  
 the tip is sharpened to a three facet 5832/1.  
 point.



| diam.<br>mm | Ref. No ROT-440...-.../T |          |          |          |          |
|-------------|--------------------------|----------|----------|----------|----------|
|             | length                   |          |          |          |          |
|             | 10                       | 13       | 15       | 23       | 31       |
| 0,8         | 100-08/T                 | 130-08/T | 150-08/T | 230-08/T | 310-08/T |
| 0,9         | 100-09/T                 | 130-09/T | 150-09/T | 230-09/T | 310-09/T |
| 1,0         | 100-10/T                 | 130-10/T | 150-10/T | 230-10/T | 310-10/T |
| 1,1         | 100-11/T                 | 130-11/T | 150-11/T | 230-11/T | 310-11/T |
| 1,2         | 100-12/T                 | 130-12/T | 150-12/T | 230-12/T | 310-12/T |
| 1,3         | 100-13/T                 | 130-13/T | 150-13/T | 230-13/T | 310-13/T |
| 1,4         | 100-14/T                 | 130-14/T | 150-14/T | 230-14/T | 310-14/T |
| 1,5         | 100-15/T                 | 130-15/T | 150-15/T | 230-15/T | 310-15/T |
| 1,6         | 100-16/T                 | 130-16/T | 150-16/T | 230-16/T | 310-16/T |
| 1,7         | 100-17/T                 | 130-17/T | 150-17/T | 230-17/T | 310-17/T |
| 1,8         | 100-18/T                 | 130-18/T | 150-18/T | 230-18/T | 310-18/T |
| 1,9         | 100-19/T                 | 130-19/T | 150-19/T | 230-19/T | 310-19/T |
| 2,0         | 100-20/T                 | 130-20/T | 150-20/T | 230-20/T | 310-20/T |
| 2,2         | 100-22/T                 | 130-22/T | 150-22/T | 230-22/T | 310-22/T |
| 2,4         | 100-24/T                 | 130-24/T | 150-24/T | 230-24/T | 310-24/T |
| 2,5         | 100-25/T                 | 130-25/T | 150-25/T | 230-25/T | 310-25/T |
| 2,8         | 100-28/T                 | 130-28/T | 150-28/T | 230-28/T | 310-28/T |
| 3,0         | 100-30/T                 | 130-30/T | 150-30/T | 230-30/T | 310-30/T |



**Kirschner Drill wires with Lance point / round shaft end**
**Kirschner Bohrdrähte mit Lanzettenspitze / rundes Schaftende**
**Alambres Kirschner Punta lanceolar con extremo redondo**
**Perforatori filiformi Kirschner con Punta lanceolata con estremità rotonda**

**Indication:** Use in setting fractures. **Material:** Certified Stainless Steel  
 Supplied with trocar point in which according to ASTM F.138 - ISO  
 the tip is sharpened to a three facet 5832/1.  
 point.



| diam.<br>mm | Ref. No ROT-442....- |        |        |        |        |        |
|-------------|----------------------|--------|--------|--------|--------|--------|
|             | length               |        |        |        |        |        |
|             | 7                    | 10     | 13     | 15     | 23     | 31     |
| 0,8         | 070-08               | 100-08 | 130-08 | 150-08 | 230-08 | 310-08 |
| 0,9         |                      | 100-09 | 130-09 | 150-09 | 230-09 | 310-09 |
| 1,0         | 070-10               | 100-10 | 130-10 | 150-10 | 230-10 | 310-10 |
| 1,1         |                      | 100-11 | 130-11 | 150-11 | 230-11 | 310-11 |
| 1,2         |                      | 100-12 | 130-12 | 150-12 | 230-12 | 310-12 |
| 1,3         |                      | 100-13 | 130-13 | 150-13 | 230-13 | 310-13 |
| 1,4         |                      | 100-14 | 130-14 | 150-14 | 230-14 | 310-14 |
| 1,5         |                      | 100-15 | 130-15 | 150-15 | 230-15 | 310-15 |
| 1,6         |                      | 100-16 | 130-16 | 150-16 | 230-16 | 310-16 |
| 1,7         |                      | 100-17 | 130-17 | 150-17 | 230-17 | 310-17 |
| 1,8         |                      | 100-18 | 130-18 | 150-18 | 230-18 | 310-18 |
| 1,9         |                      | 100-19 | 130-19 | 150-19 | 230-19 | 310-19 |
| 2,0         |                      | 100-20 | 130-20 | 150-20 | 230-20 | 310-20 |
| 2,2         |                      | 100-22 | 130-22 | 150-22 | 230-22 | 310-22 |
| 2,4         |                      | 100-24 | 130-24 | 150-24 | 230-24 | 310-24 |
| 2,5         | 070-25               | 100-25 | 130-25 | 150-25 | 230-25 | 310-25 |
| 2,8         |                      | 100-28 | 130-28 | 150-28 | 230-28 | 310-28 |
| 3,0         |                      | 100-30 | 130-30 | 150-30 | 230-30 | 310-30 |

**Kirschner Drill Wires with lance point / triangular shaft end**
**Kirschner Bohrdrähte mit Lanzettenspitze / 3-kant Schaftende**
**Alambres Kirschner con Punta lanceolar con extremo triangular**
**Perforatori filiformi Kirschner con Punta lanceolata con triangolari**

**Indication:** Use in setting fractures. **Material:** Certified Stainless Steel  
 Supplied with trocar point in which according to ASTM F.138 - ISO  
 the tip is sharpened to a three facet 5832/1.  
 point.



| diam.<br>mm | Ref. No ROT-442....-/3 |          |          |          |          |
|-------------|------------------------|----------|----------|----------|----------|
|             |                        |          | length   |          |          |
|             | 10                     | 13       | 15       | 23       | 31       |
| 2,0         | 100-20/3               | 130-20/3 | 150-20/3 | 230-20/3 | 310-20/3 |
| 2,2         | 100-22/3               | 130-22/3 | 150-22/3 | 230-22/3 | 310-22/3 |
| 2,4         | 100-24/3               | 130-24/3 | 150-24/3 | 230-24/3 | 310-24/3 |
| 2,5         | 100-25/3               | 130-25/3 | 150-25/3 | 230-25/3 | 310-25/3 |
| 2,8         | 100-28/3               | 130-28/3 | 150-28/3 | 230-28/3 | 310-28/3 |
| 3,0         | 100-30/3               | 130-30/3 | 150-30/3 | 230-30/3 | 310-30/3 |

**Kirschner Drill Wires with lance point / Square headed shaft end****Kirschner Bohrdrähte mit Lanzettenspitze / 4-kant Schaftende****Alambres Kirschner con Punta lanceolar con extremo cuadrangular****Perforatori filiformi Kirschner con Punta lanceolata con quadrangolare**

**Indication:** Use in setting fractures. **Material:** Certified Stainless Steel Supplied with trocar point in which according to ASTM F.138 - ISO the tip is sharpened to a three facet 5832/1. point.



| diam.<br>mm | Ref. No ROT-442...-/4 |          |          |          |          |
|-------------|-----------------------|----------|----------|----------|----------|
|             |                       |          | length   |          |          |
|             | 10                    | 13       | 15       | 23       | 31       |
| 2,0         | 100-20/4              | 130-20/4 | 150-20/4 | 230-20/4 | 310-20/4 |
| 2,2         | 100-22/4              | 130-22/4 | 150-22/4 | 230-22/4 | 310-22/4 |
| 2,4         | 100-24/4              | 130-24/4 | 150-24/4 | 230-24/4 | 310-24/4 |
| 2,5         | 100-25/4              | 130-25/4 | 150-25/4 | 230-25/4 | 310-25/4 |
| 2,8         | 100-28/4              | 130-28/4 | 150-28/4 | 230-28/4 | 310-28/4 |
| 3,0         | 100-30/4              | 130-30/4 | 150-30/4 | 230-30/4 | 310-30/4 |

**Kirschner Drill Wires with lance point / flat shaft end**
**Krischner Bohrdrähte mit Lanzettenspitze / flachem Schaftende**
**Alambres Kirschner con Punta lanceolar con extremo plano**
**Perforatore filiformi Kirschner con Punta lanceolata con estremo piatto**

**Indication:** Use in setting fractures. **Material:** Certified Stainless Steel  
 Supplied with trocar point in which according to ASTM F.138 - ISO  
 the tip is sharpened to a three facet 5832/1.  
 point.



| diam.<br>mm | Ref. No ROT-442....-/F |          |          |          |          |
|-------------|------------------------|----------|----------|----------|----------|
|             | length                 |          |          |          |          |
|             | 10                     | 13       | 15       | 23       | 31       |
| 0,8         | 100-08/F               | 130-08/F | 150-08/F | 230-08/F | 310-08/F |
| 0,9         | 100-09/F               | 130-09/F | 150-09/F | 230-09/F | 310-09/F |
| 1,0         | 100-10/F               | 130-10/F | 150-10/F | 230-10/F | 310-10/F |
| 1,1         | 100-11/F               | 130-11/F | 150-11/F | 230-11/F | 310-11/F |
| 1,2         | 100-12/F               | 130-12/F | 150-12/F | 230-12/F | 310-12/F |
| 1,3         | 100-13/F               | 130-13/F | 150-13/F | 230-13/F | 310-13/F |
| 1,4         | 100-14/F               | 130-14/F | 150-14/F | 230-14/F | 310-14/F |
| 1,5         | 100-15/F               | 130-15/F | 150-15/F | 230-15/F | 310-15/F |
| 1,6         | 100-16/F               | 130-16/F | 150-16/F | 230-16/F | 310-16/F |
| 1,7         | 100-17/F               | 130-17/F | 150-17/F | 230-17/F | 310-17/F |
| 1,8         | 100-18/F               | 130-18/F | 150-18/F | 230-18/F | 310-18/F |
| 1,9         | 100-19/F               | 130-19/F | 150-19/F | 230-19/F | 310-19/F |
| 2,0         | 100-20/F               | 130-20/F | 150-20/F | 230-20/F | 310-20/F |
| 2,2         | 100-22/F               | 130-22/F | 150-22/F | 230-22/F | 310-22/F |
| 2,4         | 100-24/F               | 130-24/F | 150-24/F | 230-24/F | 310-24/F |
| 2,5         | 100-25/F               | 130-25/F | 150-25/F | 230-25/F | 310-25/F |
| 2,8         | 100-28/F               | 130-28/F | 150-28/F | 230-28/F | 310-28/F |
| 3,0         | 100-30/F               | 130-30/F | 150-30/F | 230-30/F | 310-30/F |

**Kirschner Drill Wires with lance point / lance shaft end****Kirschner Bohrdrähte mit Lanzettenspitze / Lanzettenende****Alambres Kirschner con Punta lanceolar con punta lanceolar****Chiodi per ossa Kirschner Punta lanceolata con lanceolata Bilateral**

**Indication:** Use in setting fractures. **Material:** Certified Stainless Steel  
 Supplied with trocar point in which according to ASTM F.138 - ISO  
 the tip is sharpened to a three facet 5832/1.  
 point.



| diam.<br>mm | Ref. No ROT-442....-/L |          |          |          |          |
|-------------|------------------------|----------|----------|----------|----------|
|             | length                 |          |          |          |          |
|             | 10                     | 13       | 15       | 23       | 31       |
| 0,8         | 100-08/L               | 130-08/L | 150-08/L | 230-08/L | 310-08/L |
| 0,9         | 100-09/L               | 130-09/L | 150-09/L | 230-09/L | 310-09/L |
| 1,0         | 100-10/L               | 130-10/L | 150-10/L | 230-10/L | 310-10/L |
| 1,1         | 100-11/L               | 130-11/L | 150-11/L | 230-11/L | 310-11/L |
| 1,2         | 100-12/L               | 130-12/L | 150-12/L | 230-12/L | 310-12/L |
| 1,3         | 100-13/L               | 130-13/L | 150-13/L | 230-13/L | 310-13/L |
| 1,4         | 100-14/L               | 130-14/L | 150-14/L | 230-14/L | 310-14/L |
| 1,5         | 100-15/L               | 130-15/L | 150-15/L | 230-15/L | 310-15/L |
| 1,6         | 100-16/L               | 130-16/L | 150-16/L | 230-16/L | 310-16/L |
| 1,7         | 100-17/L               | 130-17/L | 150-17/L | 230-17/L | 310-17/L |
| 1,8         | 100-18/L               | 130-18/L | 150-18/L | 230-18/L | 310-18/L |
| 1,9         | 100-19/L               | 130-19/L | 150-19/L | 230-19/L | 310-19/L |
| 2,0         | 100-20/L               | 130-20/L | 150-20/L | 230-20/L | 310-20/L |
| 2,2         | 100-22/L               | 130-22/L | 150-22/L | 230-22/L | 310-22/L |
| 2,4         | 100-24/L               | 130-24/L | 150-24/L | 230-24/L | 310-24/L |
| 2,5         | 100-25/L               | 130-25/L | 150-25/L | 230-25/L | 310-25/L |
| 2,8         | 100-28/L               | 130-28/L | 150-28/L | 230-28/L | 310-28/L |
| 3,0         | 100-30/L               | 130-30/L | 150-30/L | 230-30/L | 310-30/L |

**Tibia Bolt**
**Fixationsschrauben**
**Vis de fixation pour tibia**

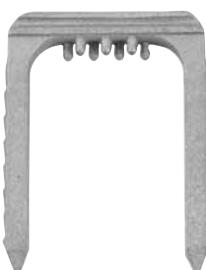
**Indication:** May be used for certain type fractures involving the proximal tibia. Supplied with trochar point. Bolt threaded from each end smooth in center so it will not displace fragments. Complete with two washer and hexagonal nuts. Available in two different diam. 3.0 mm and 4.0 mm

with ten different lengths starting from 60 to 150 mm with ten millimeter increments to enhance patient fit.

**Material:** Certified Stainless Steel according to ASTM F.138 - ISO 5832/1.



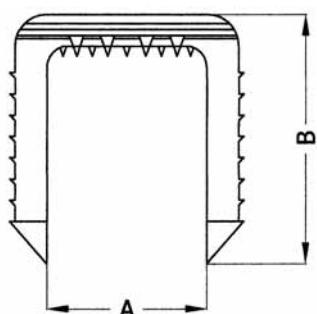
| Ref. No<br>Stainless Steel | Diam | Length<br>mm |
|----------------------------|------|--------------|
| ROT-418060-30              | 3.0  | 60           |
| ROT-418070-30              | 3.0  | 70           |
| ROT-418080-30              | 3.0  | 80           |
| ROT-418090-30              | 3.0  | 90           |
| ROT-418100-30              | 3.0  | 100          |
| ROT-418110-30              | 3.0  | 110          |
| ROT-418120-30              | 3.0  | 120          |
| ROT-418130-30              | 3.0  | 130          |
| ROT-418140-30              | 3.0  | 140          |
| ROT-418150-30              | 3.0  | 150          |
| ROT-418060-40              | 4.0  | 60           |
| ROT-418070-40              | 4.0  | 70           |
| ROT-418080-40              | 4.0  | 80           |
| ROT-418090-40              | 4.0  | 90           |
| ROT-418100-40              | 4.0  | 100          |
| ROT-418110-40              | 4.0  | 110          |
| ROT-418120-40              | 4.0  | 120          |
| ROT-418130-40              | 4.0  | 130          |
| ROT-418140-40              | 4.0  | 140          |
| ROT-418150-40              | 4.0  | 150          |



### Thorney Staples

#### Fixationsklammern mit Dorne

#### Agrafes Ligamentaires crantées



**Indication:** Staples are used in tendon and ligament fixation. Introduced through the interior of the guide with the staple screwed onto its end, proceeding with impaction of this staple at the desired point. Sharp spikes with a bevelled edge allow an easy insertion. This feature prevents any divergence of staple legs, even on convex cortical areas. These staples are fixed and stable in any direction, which guarantees the absence of spontaneous extraction and rigorous steadiness of the material, providing immediate stability to whole system and suppressing subsequent pain generally experienced due to micromovements of the material used. Removing these

staples remains easy owing to the firm grip of the staple driver.

**Material:** The Thorney staple is manufactured from casting Cr.Co-alloy according to ASTM F.75 - ISO 5832/4. This alloy characterized by demonstrating excellent biocompatibility together with a high resistance of corrosion and superiormechanical strength.

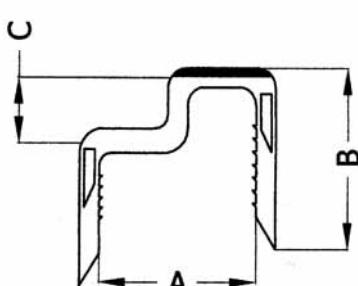
| Ref. No       | Lengths (mm) |      |
|---------------|--------------|------|
| Co.Cr         | A            | B    |
| ROT-422235-65 | 6.5          | 23.5 |
| ROT-422235-80 | 8.0          | 23.5 |
| ROT-422235-11 | 11.5         | 23.5 |
| ROT-422235-15 | 15.0         | 23.5 |



### Asymetric Staples

#### Stufenklammern

#### Agrafes décalées



**Indication:** Osteosynthesis fixation staples for tibial or femoral osteotomy. Easy penetration, owing to the sharp spikes with a bevelled edge. No need for pilot holes being drilled. The 1.5 mm divergence of the legs of the staples allow a progressive impact on both sides of the osteotomy. The anti-recoil contours are really efficient because they are set on the inner sides of the staple's legs precisely where pressure is applied. The fins increase the application surface of the forces on the cortical bone, which is often fragile, thus reducing the risk of subsequent loosening of the bond.

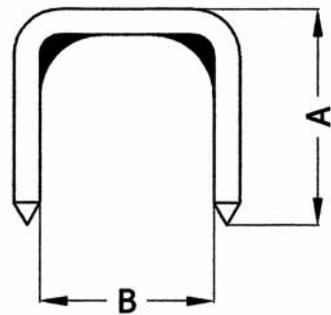
**Material:** The asymmetric staple is manufactured from casting Cr.Co-alloy according to ASTM F.75 - ISO 5832/4. This alloy characterized by demonstrating excellent biocompatibility together with a high resistance of corrosion and superiormechanical strength.

| Ref. No       | Lengths (mm) |    |    |
|---------------|--------------|----|----|
| Co.Cr         | A            | B  | C  |
| ROT-422270-05 | 24           | 27 | 5  |
| ROT-422270-10 | 24           | 27 | 10 |
| ROT-422270-14 | 24           | 27 | 14 |

**Blount Staples**
**Blount-klammern**
**Agrafes droites renforcees**

**Indication:** Staples are used for tarsal arthrodesis, epiphysiodesis 5832/4. This alloy characterized by demonstrating excellent biocompatibility together with a high resistance of corrosion and superiormechanical strength.

**Material:** The blount staple is manufactured from casting Cr.Co-alloy according to ASTM F.75 - ISO

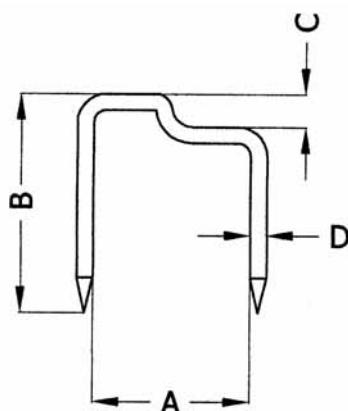


| Ref. No<br>Co. Cr | Lengths (mm) |    |
|-------------------|--------------|----|
|                   | A            | B  |
| ROT-423021-16     | 21           | 16 |
| ROT-423021-22     | 21           | 22 |
| ROT-423021-28     | 21           | 28 |

**Coventry Staples**
**Stufenklammern**
**Agrafes en escalier**

**Indication:** Used for fixation after tibial osteotomy.

**Material:** Certified Stainless Steel according to ASTM F.138 - ISO 5832/1.



| Ref. No       | Lengths (mm) |    |    |     |
|---------------|--------------|----|----|-----|
|               | A            | B  | C  | D   |
| ROT-423033-05 | 25           | 33 | 5  | 2.5 |
| ROT-423033-10 | 25           | 33 | 10 | 2.5 |
| ROT-423033-15 | 25           | 33 | 15 | 2.5 |

**Epiphyseal Staples****Epiphyseal Klammern****Agrafes Epiphysaire**

**Indication:** Staples are used for the temporary arrest of growth in order to correct a deformity of inequality of length. It is recommended that two or more staples be used on each side of epiphysis. Straight lateral incisions are used for a single epiphysis and slightly curved incisions for exposing both tibial and femoral epiphysis. The periosteum is freed sufficiently so that it may be retracted anteriorly for the introduction of one staple and posteriorly for the second staples.

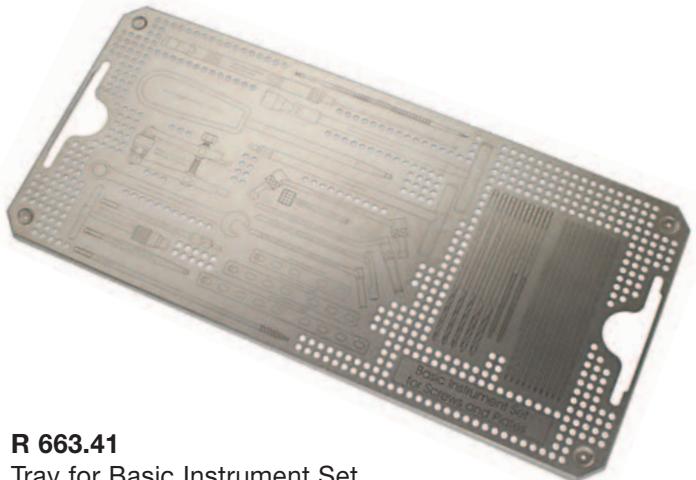
**Material:** Certified Stainless Steel according to ASTM F.138 - ISO 5832/1.

| Ref. No              | Lengths (mm) |    |    |
|----------------------|--------------|----|----|
|                      | A            | B  | C  |
| <b>ROT-424015-16</b> | 1.5          | 16 | 19 |
| <b>ROT-424015-22</b> | 1.5          | 22 | 19 |
| <b>ROT-424015-26</b> | 1.5          | 26 | 19 |
| <b>ROT-424020-16</b> | 2.0          | 16 | 19 |
| <b>ROT-424020-22</b> | 2.0          | 22 | 19 |
| <b>ROT-424020-26</b> | 2.0          | 26 | 19 |
| <b>ROT-424025-16</b> | 2.5          | 16 | 19 |
| <b>ROT-424025-22</b> | 2.5          | 22 | 19 |
| <b>ROT-424025-26</b> | 2.5          | 26 | 19 |

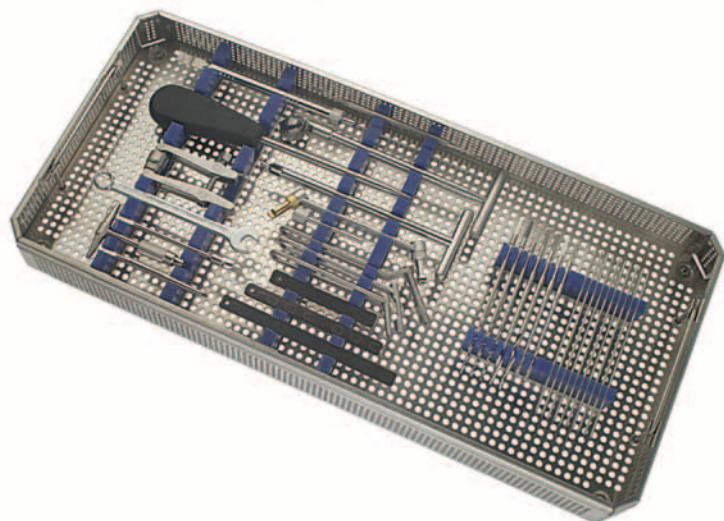


|                                                                                                                          |                        |
|--------------------------------------------------------------------------------------------------------------------------|------------------------|
| Basisinstrumentensatz für Schrauben und Platten<br>Basic instrument set for screws and plates                            | <b>ROT S/2 + S/3</b>   |
| Stahlschrauben Set<br>Steel screw set                                                                                    | <b>ROT S/4 + S/5</b>   |
| Titanschrauben Set<br>Titanium screw set                                                                                 | <b>ROT S/6 + S/7</b>   |
| Großfragment-Kompressionsplatten, breit und schmal<br>Broad and narrow compression plates set                            | <b>ROT S/8 + S/9</b>   |
| Großfragment-Kompressionsplatten, breit und schmal, Titan<br>Broad and narrow compression plates set, titanium           | <b>ROT S/10 + S/11</b> |
| Kleinfragment Instrument- und Implantate-Set<br>Small fragment instrument and steel implant set                          | <b>ROT S/12 + S/13</b> |
| Kleinfragment Instrument- und Implantate-Set, Titan<br>Small fragment instrument and steel implant set, titanium         | <b>ROT S/14 + S/15</b> |
| Mini Instrument- und Implantate-Set<br>Mini instrument and steel implant set                                             | <b>ROT S/16 + S/17</b> |
| Mini Instrument- und Implantate-Set, Titan<br>Mini instrument and steel implant set, titanium                            | <b>ROT S/18 + S/19</b> |
| Instrumentensatz für DHS/DCS Schrauben und Platten<br>Standard instrument set for dynamic and condylar screws and plates | <b>ROT S/20 + S/21</b> |
| Instrumentensatz für DHS Schrauben und Platten<br>Dynamic hip screw standard implant set                                 | <b>ROT 2/22 + S/23</b> |
| Instrumentensatz für DCS Schrauben und Platten<br>Dynamic condylar standard implant set                                  | <b>ROT 2/24 + S/25</b> |
| Küntscher Instrumente-Set<br>Küntscher instrument set                                                                    | <b>ROT S/26 + S/27</b> |
| Flexibles Ender Nagel Set<br>Implant set for intrameullary gilding nails                                                 | <b>ROT S/28 + S/29</b> |

**Set / 3400001** Basic Instrument Set for Screws and Plates  
(Steel Plates in Mat. DIN ISO 5832-1)



**R 663.41**  
Tray for Basic Instrument Set  
(Steel)



**R 110.10**  
Sterilization Container  
(recommended)

**Set / 3400001** Basic Instrument Set for Screws and Plates  
 (Steel Plates in Mat. DIN ISO 5832-1)

|                 | pcs. |
|-----------------|------|
| 34322-32        | 3    |
| 34322-45        | 2    |
| 34806-32        | 1    |
| 34296-25        | 1    |
| 34330-45        | 2    |
| 34330-65        | 1    |
| 34825-35        | 1    |
| 34827-45        | 1    |
| 34825-45        | 1    |
| 34628-35        | 1    |
| 34635-35        | 1    |
| 34850-10        | 1    |
| 19219-15        | 1    |
| 34826-40        | 1    |
| 34864-20        | 1    |
| 34634-40        | 1    |
| 34516-11        | 1    |
| 34830-45        | 1    |
| 34835-05        | 1    |
| 34835-07        | 1    |
| 34835-09        | 1    |
| 34805-45        | 1    |
| ROT-440150-20/T | 1    |
| R 110.10        | 1    |
| R 663.41        | 1    |

**Set / 3400002** Steel Screw Set  
(Steel Screws in Mat. DIN ISO 5832-1)



**R 663.37**  
Tray for Screw Set



**R 310.13**  
Sterilization Container  
(recommended)

| <b>Cortex Screw Large Fragment</b> |                                                                                            | <b>Head 8,0 mm Ø</b>                         |                               |                                 |    |
|------------------------------------|--------------------------------------------------------------------------------------------|----------------------------------------------|-------------------------------|---------------------------------|----|
|                                    | <b>4,5 mm Ø</b>                                                                            | <b>pcs.</b>                                  | <b>Hexagonal socket 3,5mm</b> | <b>pcs.</b>                     |    |
| <b>ROT-108-014</b>                 | screw length 14 mm                                                                         | 6                                            | <b>ROT-108-038</b>            | screw length 38 mm              | 7  |
| <b>ROT-108-016</b>                 | screw length 16 mm                                                                         | 6                                            | <b>ROT-108-040</b>            | screw length 40 mm              | 14 |
| <b>ROT-108-018</b>                 | screw length 18 mm                                                                         | 6                                            | <b>ROT-108-042</b>            | screw length 42 mm              | 6  |
| <b>ROT-108-020</b>                 | screw length 20 mm                                                                         | 6                                            | <b>ROT-108-044</b>            | screw length 44 mm              | 6  |
| <b>ROT-108-022</b>                 | screw length 22 mm                                                                         | 6                                            | <b>ROT-108-046</b>            | screw length 46 mm              | 6  |
| <b>ROT-108-024</b>                 | screw length 24 mm                                                                         | 6                                            | <b>ROT-108-048</b>            | screw length 48 mm              | 3  |
| <b>ROT-108-026</b>                 | screw length 26 mm                                                                         | 7                                            | <b>ROT-108-052</b>            | screw length 52 mm              | 3  |
| <b>ROT-108-028</b>                 | screw length 28 mm                                                                         | 7                                            | <b>ROT-108-056</b>            | screw length 56 mm              | 3  |
| <b>ROT-108-030</b>                 | screw length 30 mm                                                                         | 14                                           | <b>ROT-108-060</b>            | screw length 60 mm              | 3  |
| <b>ROT-108-032</b>                 | screw length 32 mm                                                                         | 14                                           | <b>ROT-108-064</b>            | screw length 64 mm              | 3  |
| <b>ROT-108-034</b>                 | screw length 34 mm                                                                         | 14                                           | <b>ROT-108-070</b>            | screw length 70 mm              | 3  |
| <b>ROT-108-036</b>                 | screw length 36 mm                                                                         | 14                                           |                               |                                 |    |
| <b>Malleolar Screw 4,5 mm Ø</b>    |                                                                                            | <b>Head 8,0 mm Ø</b>                         |                               |                                 |    |
| <b>Large Fragm.</b>                |                                                                                            | <b>Hexagonal socket 3,5mm</b>                |                               |                                 |    |
| <b>ROT-111-025</b>                 | 25 mm long, thread length 12 mm                                                            | 3                                            | <b>ROT-111-050</b>            | 50 mm long, thread length 24 mm | 3  |
| <b>ROT-111-030</b>                 | 30 mm long, thread length 15 mm                                                            | 3                                            | <b>ROT-111-055</b>            | 55 mm long, thread length 26 mm | 3  |
| <b>ROT-111-035</b>                 | 35 mm long, thread length 18 mm                                                            | 3                                            | <b>ROT-111-060</b>            | 60 mm long, thread length 28 mm | 3  |
| <b>ROT-111-040</b>                 | 40 mm long, thread length 20 mm                                                            | 3                                            | <b>ROT-111-065</b>            | 65 mm long, thread length 30 mm | 3  |
| <b>ROT-111-045</b>                 | 45 mm long, thread length 22 mm                                                            | 3                                            | <b>ROT-111-070</b>            | 70 mm long, thread length 32 mm | 3  |
| <b>Cancellous screw 6,5 mm Ø</b>   |                                                                                            | <b>Head 8,0 mm Ø</b>                         |                               |                                 |    |
| <b>Large Fragm., 16 mm thread</b>  |                                                                                            | <b>Hexagonal socket 3,5 mm, 32 mm thread</b> |                               |                                 |    |
| <b>ROT-121-030</b>                 | 30 mm long, thread 16 mm                                                                   | 2                                            | <b>ROT-122-045</b>            | 45 mm long, thread 32 mm        | 3  |
| <b>ROT-121-035</b>                 | 35 mm long, thread 16 mm                                                                   | 2                                            | <b>ROT-122-050</b>            | 50 mm long, thread 32 mm        | 3  |
| <b>ROT-121-040</b>                 | 40 mm long, thread 16 mm                                                                   | 2                                            | <b>ROT-122-055</b>            | 55 mm long, thread 32 mm        | 3  |
| <b>ROT-121-045</b>                 | 45 mm long, thread 16 mm                                                                   | 2                                            | <b>ROT-122-060</b>            | 60 mm long, thread 32 mm        | 3  |
| <b>ROT-121-050</b>                 | 50 mm long, thread 16 mm                                                                   | 2                                            | <b>ROT-122-065</b>            | 65 mm long, thread 32 mm        | 3  |
| <b>ROT-121-055</b>                 | 55 mm long, thread 16 mm                                                                   | 2                                            | <b>ROT-122-070</b>            | 70 mm long, thread 32 mm        | 3  |
| <b>ROT-121-060</b>                 | 60 mm long, thread 16 mm                                                                   | 2                                            | <b>ROT-122-075</b>            | 75 mm long, thread 32 mm        | 3  |
| <b>ROT-121-065</b>                 | 65 mm long, thread 16 mm                                                                   | 2                                            | <b>ROT-122-080</b>            | 80 mm long, thread 32 mm        | 3  |
| <b>ROT-121-070</b>                 | 70 mm long, thread 16 mm                                                                   | 2                                            | <b>ROT-122-085</b>            | 85 mm long, thread 32 mm        | 3  |
| <b>ROT-121-075</b>                 | 75 mm long, thread 16 mm                                                                   | 2                                            | <b>ROT-122-090</b>            | 90 mm long, thread 32 mm        | 3  |
| <b>ROT-121-080</b>                 | 80 mm long, thread 16 mm                                                                   | 2                                            | <b>ROT-122-095</b>            | 95 mm long, thread 32 mm        | 3  |
| <b>ROT-121-085</b>                 | 85 mm long, thread 16 mm                                                                   | 2                                            | <b>ROT-122-100</b>            | 100 mm long, thread 32 mm       | 3  |
| <b>ROT-121-090</b>                 | 90 mm long, thread 16 mm                                                                   | 2                                            | <b>ROT-122-105</b>            | 105 mm long, thread 32 mm       | 3  |
| <b>ROT-121-095</b>                 | 95 mm long, thread 16 mm                                                                   | 2                                            | <b>ROT-122-110</b>            | 110 mm long, thread 32 mm       | 3  |
| <b>ROT-121-100</b>                 | 100 mm long, thread 16 mm                                                                  | 2                                            |                               |                                 |    |
| <b>ROT-121-105</b>                 | 105 mm long, thread 16 mm                                                                  | 2                                            |                               |                                 |    |
| <b>ROT-121-110</b>                 | 110 mm long, thread 16 mm                                                                  | 2                                            |                               |                                 |    |
| <b>full thread</b>                 |                                                                                            | <b>full thread</b>                           |                               |                                 |    |
| <b>ROT-123-025</b>                 | 25 mm long, full thread                                                                    | 4                                            | <b>ROT-123-070</b>            | 70 mm long, full thread         | 2  |
| <b>ROT-123-030</b>                 | 30 mm long, full thread                                                                    | 4                                            | <b>ROT-123-075</b>            | 75 mm long, full thread         | 2  |
| <b>ROT-123-035</b>                 | 35 mm long, full thread                                                                    | 4                                            | <b>ROT-123-080</b>            | 80 mm long, full thread         | 2  |
| <b>ROT-123-040</b>                 | 40 mm long, full thread                                                                    | 4                                            | <b>ROT-123-085</b>            | 85 mm long, full thread         | 2  |
| <b>ROT-123-045</b>                 | 45 mm long, full thread                                                                    | 2                                            | <b>ROT-123-090</b>            | 90 mm long, full thread         | 2  |
| <b>ROT-123-050</b>                 | 50 mm long, full thread                                                                    | 2                                            | <b>ROT-123-095</b>            | 95 mm long, full thread         | 2  |
| <b>ROT-123-055</b>                 | 55 mm long, full thread                                                                    | 2                                            | <b>ROT-123-100</b>            | 100 mm long, full thread        | 2  |
| <b>ROT-123-060</b>                 | 60 mm long, full thread                                                                    | 2                                            | <b>ROT-123-105</b>            | 105 mm long, full thread        | 2  |
| <b>ROT-123-065</b>                 | 65 mm long, full thread                                                                    | 2                                            | <b>ROT-123-110</b>            | 110 mm long, full thread        | 2  |
| <b>ROT-199-130</b>                 | washer 13 mm Ø for screws 4,5 mm, 6,5 mm, 7,0 mm, 7,3 mm Ø, stainless steel, 1,5 mm strong |                                              |                               |                                 | 6  |
| <b>34701-01</b>                    | Screw forceps                                                                              |                                              |                               |                                 | 1  |
| <b>R 310.13</b>                    | Container 1/2-size, perforated lid, unperforated bottom, 285x280x135 mm silver             |                                              |                               |                                 | 1  |
| <b>R 663.37</b>                    | tray for screws                                                                            |                                              |                               |                                 | 1  |

**Set / 3400002 T** Titanium Screw Set  
(Titanium Screws in Mat. DIN ISO 5832-3)



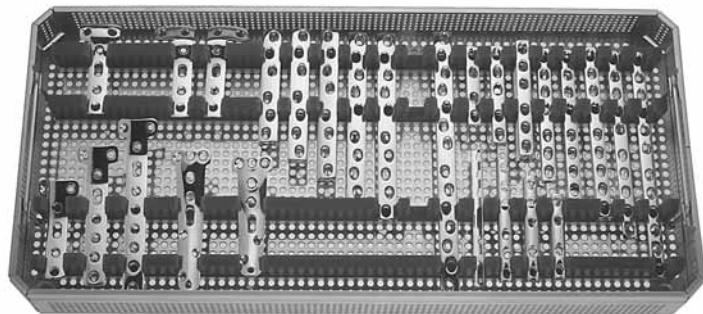
**R 663.37**  
Tray for Screw Set



**R 310.13**  
Sterilization Container  
(recommended)

| Cortex Screw                                                                                            | pcs. | Head 8,0 mm Ø                                        | pcs. |
|---------------------------------------------------------------------------------------------------------|------|------------------------------------------------------|------|
| <b>Titanium Large Fragment 4,5 mm Ø</b>                                                                 |      |                                                      |      |
| <b>ROT-108-014 T</b> screw length 14 mm                                                                 | 6    | <b>ROT-108-038 T</b> screw length 38 mm              | 7    |
| <b>ROT-108-016 T</b> screw length 16 mm                                                                 | 6    | <b>ROT-108-040 T</b> screw length 40 mm              | 14   |
| <b>ROT-108-018 T</b> screw length 18 mm                                                                 | 6    | <b>ROT-108-042 T</b> screw length 42 mm              | 6    |
| <b>ROT-108-020 T</b> screw length 20 mm                                                                 | 6    | <b>ROT-108-044 T</b> screw length 44 mm              | 6    |
| <b>ROT-108-022 T</b> screw length 22 mm                                                                 | 6    | <b>ROT-108-046 T</b> screw length 46 mm              | 6    |
| <b>ROT-108-024 T</b> screw length 24 mm                                                                 | 6    | <b>ROT-108-048 T</b> screw length 48 mm              | 3    |
| <b>ROT-108-026 T</b> screw length 26 mm                                                                 | 7    | <b>ROT-108-052 T</b> screw length 52 mm              | 3    |
| <b>ROT-108-028 T</b> screw length 28 mm                                                                 | 7    | <b>ROT-108-056 T</b> screw length 56 mm              | 3    |
| <b>ROT-108-030 T</b> screw length 30 mm                                                                 | 14   | <b>ROT-108-060 T</b> screw length 60 mm              | 3    |
| <b>ROT-108-032 T</b> screw length 32 mm                                                                 | 14   | <b>ROT-108-066 T</b> screw length 64 mm              | 3    |
| <b>ROT-108-034 T</b> screw length 34 mm                                                                 | 14   | <b>ROT-108-070 T</b> screw length 70 mm              | 3    |
| <b>ROT-108-036 T</b> screw length 36 mm                                                                 | 14   |                                                      |      |
| <b>Malleolar Screw</b>                                                                                  |      |                                                      |      |
| <b>Titanium 4,5 mm Ø, Large Fragment</b>                                                                |      |                                                      |      |
| <b>ROT-111-025 T</b> 25 mm long, thread length 12 mm                                                    | 3    | <b>ROT-111-050 T</b> 50 mm long, thread length 24 mm | 3    |
| <b>ROT-111-030 T</b> 30 mm long, thread length 15 mm                                                    | 3    | <b>ROT-111-055 T</b> 55 mm long, thread length 26 mm | 3    |
| <b>ROT-111-035 T</b> 35 mm long, thread length 18 mm                                                    | 3    | <b>ROT-111-060 T</b> 60 mm long, thread length 28 mm | 3    |
| <b>ROT-111-040 T</b> 40 mm long, thread length 20 mm                                                    | 3    | <b>ROT-111-065 T</b> 65 mm long, thread length 30 mm | 3    |
| <b>ROT-111-045 T</b> 45 mm long, thread length 22 mm                                                    | 3    | <b>ROT-111-070 T</b> 70 mm long, thread length 32 mm | 3    |
| <b>Cancellous screw Titanium 6,5 mm Ø</b>                                                               |      |                                                      |      |
| <b>Large Fragment, 16 mm thread</b>                                                                     |      |                                                      |      |
| <b>ROT-121-030 T</b> 30 mm long, thread 16 mm                                                           | 2    | <b>ROT-122-045 T</b> 45 mm long, thread 32 mm        | 3    |
| <b>ROT-121-035 T</b> 35 mm long, thread 16 mm                                                           | 2    | <b>ROT-122-050 T</b> 50 mm long, thread 32 mm        | 3    |
| <b>ROT-121-040 T</b> 40 mm long, thread 16 mm                                                           | 2    | <b>ROT-122-055 T</b> 55 mm long, thread 32 mm        | 3    |
| <b>ROT-121-045 T</b> 45 mm long, thread 16 mm                                                           | 2    | <b>ROT-122-060 T</b> 60 mm long, thread 32 mm        | 3    |
| <b>ROT-121-050 T</b> 50 mm long, thread 16 mm                                                           | 2    | <b>ROT-122-065 T</b> 65 mm long, thread 32 mm        | 3    |
| <b>ROT-121-055 T</b> 55 mm long, thread 16 mm                                                           | 2    | <b>ROT-122-070 T</b> 70 mm long, thread 32 mm        | 3    |
| <b>ROT-121-060 T</b> 60 mm long, thread 16 mm                                                           | 2    | <b>ROT-122-075 T</b> 75 mm long, thread 32 mm        | 3    |
| <b>ROT-121-065 T</b> 65 mm long, thread 16 mm                                                           | 2    | <b>ROT-122-080 T</b> 80 mm long, thread 32 mm        | 3    |
| <b>ROT-121-070 T</b> 70 mm long, thread 16 mm                                                           | 2    | <b>ROT-122-085 T</b> 85 mm long, thread 32 mm        | 3    |
| <b>ROT-121-075 T</b> 75 mm long, thread 16 mm                                                           | 2    | <b>ROT-122-090 T</b> 90 mm long, thread 32 mm        | 3    |
| <b>ROT-121-080 T</b> 80 mm long, thread 16 mm                                                           | 2    | <b>ROT-122-095 T</b> 95 mm long, thread 32 mm        | 3    |
| <b>ROT-121-085 T</b> 85 mm long, thread 16 mm                                                           | 2    | <b>ROT-122-100 T</b> 100 mm long, thread 32 mm       | 3    |
| <b>ROT-121-090 T</b> 90 mm long, thread 16 mm                                                           | 2    | <b>ROT-122-105 T</b> 105 mm long, thread 32 mm       | 3    |
| <b>ROT-121-095 T</b> 95 mm long, thread 16 mm                                                           | 2    | <b>ROT-122-110 T</b> 110 mm long, thread 32 mm       | 3    |
| <b>ROT-121-100 T</b> 100 mm long, thread 16 mm                                                          | 2    |                                                      |      |
| <b>ROT-121-105 T</b> 105 mm long, thread 16 mm                                                          | 2    |                                                      |      |
| <b>ROT-121-110 T</b> 110 mm long, thread 16 mm                                                          | 2    |                                                      |      |
| <b>full thread</b>                                                                                      |      |                                                      |      |
| <b>ROT-123-025 T</b> 25 mm long, full thread                                                            | 4    | <b>ROT-123-070 T</b> 70 mm long, full thread         | 2    |
| <b>ROT-123-030 T</b> 30 mm long, full thread                                                            | 4    | <b>ROT-123-075 T</b> 75 mm long, full thread         | 2    |
| <b>ROT-123-035 T</b> 35 mm long, full thread                                                            | 4    | <b>ROT-123-080 T</b> 80 mm long, full thread         | 2    |
| <b>ROT-123-040 T</b> 40 mm long, full thread                                                            | 4    | <b>ROT-123-085 T</b> 85 mm long, full thread         | 2    |
| <b>ROT-123-045 T</b> 45 mm long, full thread                                                            | 2    | <b>ROT-123-090 T</b> 90 mm long, full thread         | 2    |
| <b>ROT-123-050 T</b> 50 mm long, full thread                                                            | 2    | <b>ROT-123-095 T</b> 95 mm long, full thread         | 2    |
| <b>ROT-123-055 T</b> 55 mm long, full thread                                                            | 2    | <b>ROT-123-100 T</b> 100 mm long, full thread        | 2    |
| <b>ROT-123-060 T</b> 60 mm long, full thread                                                            | 2    | <b>ROT-123-105 T</b> 105 mm long, full thread        | 2    |
| <b>ROT-123-065 T</b> 65 mm long, full thread                                                            | 2    | <b>ROT-123-110 T</b> 110 mm long, full thread        | 2    |
| <b>ROT-199-130 T</b> washer 13 mm Ø for screws 4,5 mm, 6,5 mm, 7,0 mm, 7,3 mm Ø, titanium 1,5 mm strong |      |                                                      | 6    |
| <b>34701-01</b> Screw forceps                                                                           |      |                                                      | 1    |
| <b>R 310.13</b> Container 1/2-size, perforated lid, unperforated bottom, 285x280x135 mm silver          |      |                                                      | 1    |
| <b>R 663.37</b> tray for screws                                                                         |      |                                                      | 1    |

**Set / 3400006** Broad and Narrow Plates Set  
(Steel Plates in Mat. DIN ISO 5832-1)



**R 663.31**  
Tray for Broad and Narrow Plates Set

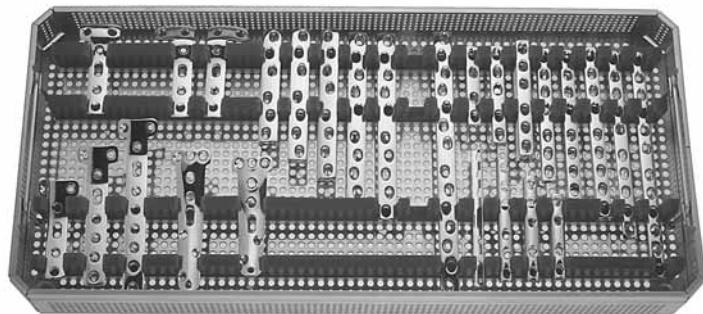


**R 110.10**  
Sterilization Container  
(recommended)

**Set / 3400006** Broad and Narrow Plates Set  
 (Steel Plates in Mat. DIN ISO 5832-1)

|                      | pcs. |
|----------------------|------|
| ROT-210071-04 D      | 2    |
| ROT-210087-05 D      | 2    |
| ROT-210103-06 D      | 2    |
| ROT-210119-07 D      | 1    |
| ROT-207071-04 D      | 2    |
| ROT-207087-05 D      | 2    |
| ROT-207103-06 D      | 4    |
| ROT-207119-07 D      | 2    |
| ROT-207135-08 D      | 2    |
| ROT-207151-09 D      | 2    |
| ROT-207167-10 D      | 1    |
| ROT-207199-12 D      | 1    |
| ROT-206103-06 D      | 2    |
| ROT-206119-07 D      | 2    |
| ROT-206135-08 D      | 2    |
| ROT-206151-09 D      | 1    |
| ROT-206167-10 D      | 1    |
| ROT-206199-12 D      | 1    |
| ROT-206231-14 D      | 1    |
| ROT-225100-05        | 1    |
| ROT-225120-06        | 1    |
| ROT-226084-04        | 1    |
| ROT-226116-06        | 1    |
| ROT-226148-08        | 1    |
| ROT-227082-04        | 1    |
| ROT-229088-04 L      | 1    |
| ROT-229088-04 R      | 1    |
| R 110.13             | 1    |
| R 663.31             | 1    |
| Tray for bone plates | 1    |

**Set / 3400006 T** Broad and Narrow Plates Set  
(Titanium Plates in Mat. DIN ISO 5832-3)



**R 663.31**  
Tray for Broad and Narrow Plates Set

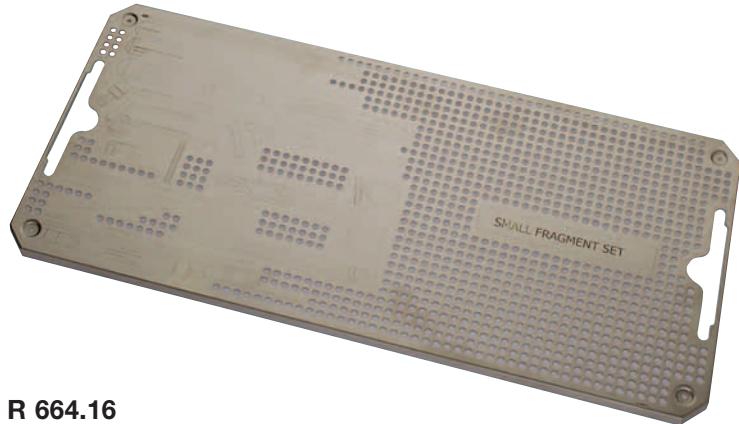


**R 110.10**  
Sterilization Container  
(recommended)

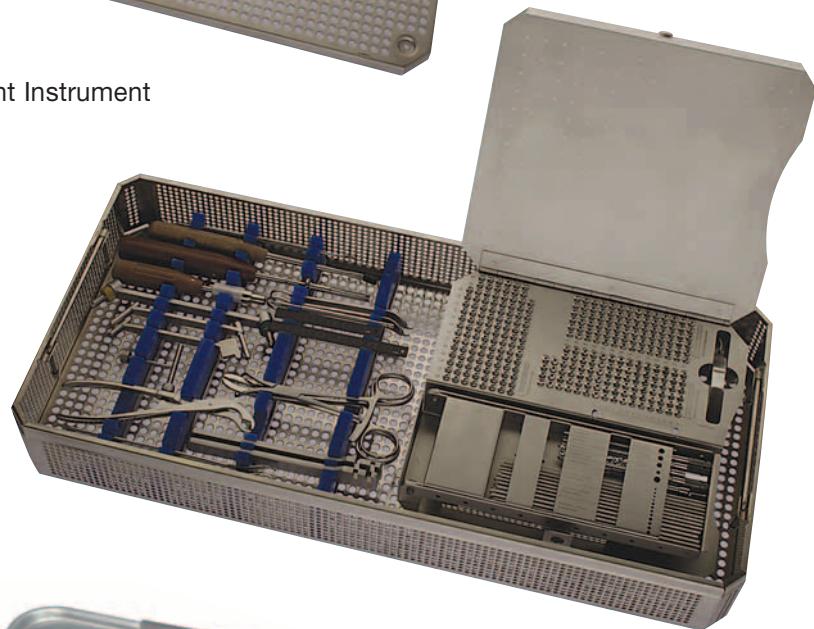
**Set / 3400006 T** Broad and Narrow Plates Set  
 (Titanium Plates in Mat. DIN ISO 5832-3)

|                         | pcs. |
|-------------------------|------|
| <b>ROT-210071-04 DT</b> | 2    |
| <b>ROT-210087-05 DT</b> | 2    |
| <b>ROT-210103-06 DT</b> | 2    |
| <b>ROT-210119-07 DT</b> | 1    |
| <b>ROT-207071-04 DT</b> | 2    |
| <b>ROT-207087-05 DT</b> | 2    |
| <b>ROT-207103-06 DT</b> | 4    |
| <b>ROT-207119-07 DT</b> | 2    |
| <b>ROT-207135-08 DT</b> | 2    |
| <b>ROT-207151-09 DT</b> | 2    |
| <b>ROT-207167-10 DT</b> | 1    |
| <b>ROT-207199-12 DT</b> | 1    |
| <b>ROT-206103-06 DT</b> | 2    |
| <b>ROT-206119-07 DT</b> | 2    |
| <b>ROT-206135-08 DT</b> | 2    |
| <b>ROT-206151-09 DT</b> | 1    |
| <b>ROT-206167-10 DT</b> | 1    |
| <b>ROT-206199-12 DT</b> | 1    |
| <b>ROT-206231-14 DT</b> | 1    |
| <b>ROT-225100-05 T</b>  | 1    |
| <b>ROT-225120-06 T</b>  | 1    |
| <b>ROT-226084-04 T</b>  | 1    |
| <b>ROT-226116-06 T</b>  | 1    |
| <b>ROT-226148-08 T</b>  | 1    |
| <b>ROT-227082-04 T</b>  | 1    |
| <b>ROT-229088-04 LT</b> | 1    |
| <b>ROT-229088-04 RT</b> | 1    |
| <b>R 110.13</b>         | 1    |
| <b>R 663.31</b>         | 1    |
| Tray for bone plates    | 1    |

**Set / 3400011** Small Fragment Instrument and Steel Implant Set  
(Steel Screws and Plates in Mat. DIN ISO 5832-1)



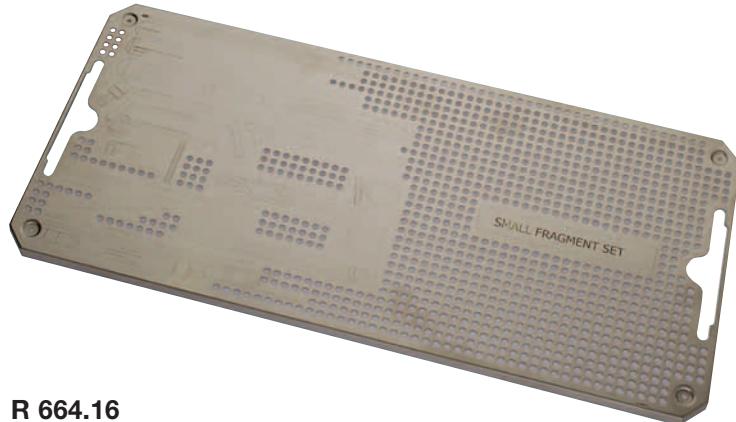
**R 664.16**  
Tray for Small Fragment Instrument  
and Steel Implant Set



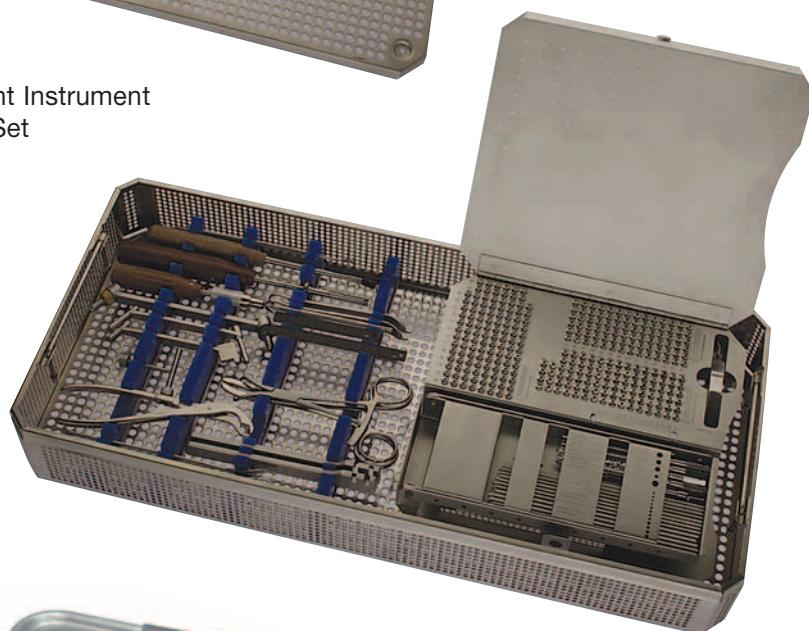
**R 110.13**  
Sterilization Container  
(recommended)

|                                                 |                                                                                                             |             | pcs.                   |                                               |             |
|-------------------------------------------------|-------------------------------------------------------------------------------------------------------------|-------------|------------------------|-----------------------------------------------|-------------|
| 34322-25                                        | drill bit m.Schnellkuppl.-ansatz, D. 2,5 mm, 110 mm                                                         |             | 2                      |                                               |             |
| 34322-35                                        | Drill bit with quick action connector 3,5 mm Ø, 100 mm long                                                 |             | 2                      |                                               |             |
| 34806-20                                        | Countersink with AO Shaft 2,0 mm tip                                                                        |             | 1                      |                                               |             |
| 34330-35/125                                    | tap w. with AO attachment f. screws 3,5 mm Ø, thread pitch 1,25 mm                                          |             | 2                      |                                               |             |
| 34330-40                                        | Taps with AO attachment Ø 4,0 mm, length 13 cm 1,75 mm pitch                                                |             | 2                      |                                               |             |
| 34296-35                                        | Handle for AO attachement, 11 cm                                                                            |             | 1                      |                                               |             |
| 34823-20                                        | Parallel drill guide and drill sleeve for drill bit Ø 2,0 mm                                                |             | 1                      |                                               |             |
| 34824-35                                        | Soft-tissue sleeve and drill bit guide for drill bit Ø 2,5 mm / tap Ø 3,5 mm / cortical screws Ø 3,5 mm     |             | 1                      |                                               |             |
| 34827-35                                        | Insert Drill sleeve 3,5 mm / 2,7 mm                                                                         |             | 1                      |                                               |             |
| 34628-25                                        | Screwdriver with artificial handle hexagonal, Ø 2,5 mm, length 20 cm                                        |             | 1                      |                                               |             |
| 34630-25                                        | Screw holding sleeve f. 2,5 mm hexagonal screws                                                             |             | 1                      |                                               |             |
| 34635-25                                        | Screw driver bits for hexagonal socket 2,5 mm, quick coupling for handles #34296-25 / #34296-30 / #34296-35 |             | 1                      |                                               |             |
| 34850-05                                        | Depth gauge for small screws 2,7 - 4,0 mm Ø, up to 50 mm                                                    |             | 1                      |                                               |             |
| 34830-35                                        | Drill bit guide for neutral and eccentric holes, for drill bit Ø 2,5 mm and for cortical screws Ø 3,5 mm    |             | 1                      |                                               |             |
| 19219-15                                        | sharp hook length 15 cm                                                                                     |             | 1                      |                                               |             |
| 34641-02                                        | Bending iron for small plates 2,7 mm and 3,5 mm, length 14 cm                                               |             | 1                      |                                               |             |
| 34641-01                                        | Bending iron for small plates 2,7 mm and 3,7 mm, length 14 cm                                               |             | 1                      |                                               |             |
| 34836-07                                        | Bending templates 7-holes f plates Mini fragment                                                            |             | 1                      |                                               |             |
| 34836-09                                        | Bending templates 9-holes f plates Mini fragment 3,5                                                        |             | 1                      |                                               |             |
| 33391-15                                        | bone holding forceps selfcentering with thread fixation, 15 cm long                                         |             | 1                      |                                               |             |
| 33409-13                                        | bone holding forceps, REDA 13,5 cm                                                                          |             | 1                      |                                               |             |
| 33413-14                                        | REDA bone holding forceps, self-centering, length 135 mm                                                    |             | 1                      |                                               |             |
| 33811-06                                        | bone lever, HOHMANN-MINI 16 cm, 6 mm                                                                        |             | 1                      |                                               |             |
| 33811-08                                        | bone lever, HOHMANN-MINI 16 cm, 8 mm                                                                        |             | 1                      |                                               |             |
| 33813-12                                        | bone lever, 14 mm, 12 cm                                                                                    |             | 2                      |                                               |             |
| 33740-19                                        | periosteal elevator with ferre 19 cm, 6 mm                                                                  |             | 1                      |                                               |             |
| 34701-01                                        | Screw forceps                                                                                               |             | 1                      |                                               |             |
| <b>Cortex Screw Small Fragment, 3,5 mm Ø</b>    |                                                                                                             | <b>pcs.</b> |                        |                                               |             |
| ROT-104-010                                     | screw length 10 mm                                                                                          | 8           | <b>ROT-104-026</b>     | screw length 26 mm                            | 8           |
| ROT-104-012                                     | screw length 12 mm                                                                                          | 8           | <b>ROT-104-028</b>     | screw length 28 mm                            | 8           |
| ROT-104-014                                     | screw length 14 mm                                                                                          | 8           | <b>ROT-104-032</b>     | screw length 32 mm                            | 8           |
| ROT-104-016                                     | screw length 16 mm                                                                                          | 8           | <b>ROT-104-036</b>     | screw length 36 mm                            | 8           |
| ROT-104-018                                     | screw length 18 mm                                                                                          | 8           | <b>ROT-104-040</b>     | screw length 40 mm                            | 8           |
| ROT-104-020                                     | screw length 20 mm                                                                                          | 8           | <b>ROT-104-045</b>     | screw length 45 mm                            | 8           |
| ROT-104-022                                     | screw length 22 mm                                                                                          | 8           | <b>ROT-104-050</b>     | screw length 50 mm                            | 8           |
| ROT-104-024                                     | screw length 24 mm                                                                                          | 8           |                        |                                               |             |
| <b>Cancellous screw 4,0 mm Ø, Small Fragm.,</b> |                                                                                                             | <b>pcs.</b> |                        |                                               | <b>pcs.</b> |
| ROT-106-014                                     | screw length 14 mm, full thread                                                                             | 6           | <b>ROT-107-012</b>     | screw length 12 mm, short thread              | 6           |
| ROT-106-016                                     | screw length 16 mm, full thread                                                                             | 6           | <b>ROT-107-014</b>     | screw length 14 mm, short thread              | 6           |
| ROT-106-018                                     | screw length 18 mm, full thread                                                                             | 6           | <b>ROT-107-016</b>     | screw length 16 mm, short thread              | 6           |
| ROT-106-020                                     | screw length 20 mm, full thread                                                                             | 6           | <b>ROT-107-018</b>     | screw length 18 mm, short thread              | 6           |
| ROT-106-022                                     | screw length 22 mm, full thread                                                                             | 6           | <b>ROT-107-020</b>     | screw length 20 mm, short thread              | 6           |
| ROT-106-024                                     | screw length 24 mm, full thread                                                                             | 6           | <b>ROT-107-022</b>     | screw length 22 mm, short thread              | 6           |
| ROT-106-026                                     | screw length 26 mm, full thread                                                                             | 6           | <b>ROT-107-024</b>     | screw length 24 mm, short thread              | 6           |
| ROT-106-028                                     | screw length 28 mm, full thread                                                                             | 6           | <b>ROT-107-026</b>     | screw length 26 mm, short thread              | 6           |
| ROT-106-032                                     | screw length 32 mm, full thread                                                                             | 6           | <b>ROT-107-028</b>     | screw length 28 mm, short thread              | 6           |
| ROT-106-035                                     | screw length 35 mm, full thread                                                                             | 6           | <b>ROT-107-030</b>     | screw length 32 mm, short thread              | 6           |
| ROT-106-040                                     | screw length 40 mm, full thread                                                                             | 6           | <b>ROT-107-035</b>     | screw length 35 mm, short thread              | 6           |
| ROT-106-045                                     | screw length 45 mm, full thread                                                                             | 6           | <b>ROT-107-040</b>     | screw length 40 mm, short thread              | 6           |
| ROT-106-050                                     | screw length 50 mm, full thread                                                                             | 6           | <b>ROT-107-045</b>     | screw length 45 mm, short thread              | 6           |
| ROT-106-055                                     | screw length 55 mm, full thread                                                                             | 4           | <b>ROT-107-050</b>     | screw length 50 mm, short thread              | 6           |
| ROT-106-060                                     | screw length 60 mm, full thread                                                                             | 4           |                        |                                               |             |
| ROT-199-070                                     | washer for screw 7 mm Ø 2,7mm, 3,5 mm und 4,0 mm Ø not for cannulated screw 4,0 mm Ø                        |             |                        |                                               | 6           |
| <b>Plates for screws 3,5mm</b>                  |                                                                                                             |             |                        |                                               |             |
| ROT-233050-03 3                                 | T-Plate straight, small 3 holes (shank), length 50 mm                                                       | 1           | <b>ROT-211025-02 D</b> | One-third tubular plate 2 holes, length 25 mm | 1           |
| ROT-233056-04 4                                 | T-Plate straight, small 4 holes (shank), length 56 mm                                                       | 1           | <b>ROT-211037-03 D</b> | One-third tubular plate 3 holes, length 37 mm | 1           |
| ROT-232052-03                                   | T-Plate, oblique-angled 3 holes (shank), length 52 mm                                                       | 1           | <b>ROT-211049-04 D</b> | One-third tubular plate 4 holes, length 49 mm | 1           |
| ROT-232072-05                                   | T-Plate, oblique-angled 5 holes (shank), length 72 mm                                                       | 1           | <b>ROT-211062-05 D</b> | One-third tubular plate 5 holes, length 62 mm | 1           |
| <b>ROT-230088-03</b>                            | Cloverleaf plate, 3 holes, length 88 mm                                                                     | 1           | <b>ROT-211073-06 D</b> | One-third tubular plate 6 holes, length 73 mm | 1           |
| ROT-230104-04                                   | Cloverleaf-plate, 4 holes, length 104 mm                                                                    | 1           | <b>ROT-211085-07 D</b> | One-third tubular plate 7 holes, length 85 mm | 1           |
| <b>ROT-209074-06 D</b>                          | small fragment plate, 6 holes, length 73 mm                                                                 | 2           | <b>ROT-211097-08 D</b> | One-third tubular plate 8 holes, length 97 mm | 1           |
| <b>ROT-209086-07 D</b>                          | small fragment plate, 7 holes, length 85 mm                                                                 | 2           |                        | drill wire, KIRSCHNER 15 cm                   |             |
| <b>ROT-209098-08 D</b>                          | small fragment plate, 8 holes, length 97 mm                                                                 | 2           | <b>ROT-440150-12/T</b> | trocar point/trocar, D. 1,2 mm                | 12          |
| <b>ROT-209110-09 D</b>                          | small fragment plate, 9 holes, length 109 mm                                                                | 2           | <b>ROT-440150-16/T</b> | trocar point/trocar, D. 1,6 mm                | 12          |
| R 110.13                                        | Container perforated lid, unperforated bottom 580x280x135 mm, silver                                        |             | <b>ROT-440150-20/T</b> | trocar point/trocar, D. 2,0 mm                | 12          |
| R 664.16                                        | Tray for small fragment instruments, screws and plates                                                      |             |                        |                                               | 1           |

**Set / 3400011 T** Small Fragment Instrument and Titanium Implant Set  
(Titanium Screws and Plates in Mat. DIN ISO 5832-3)



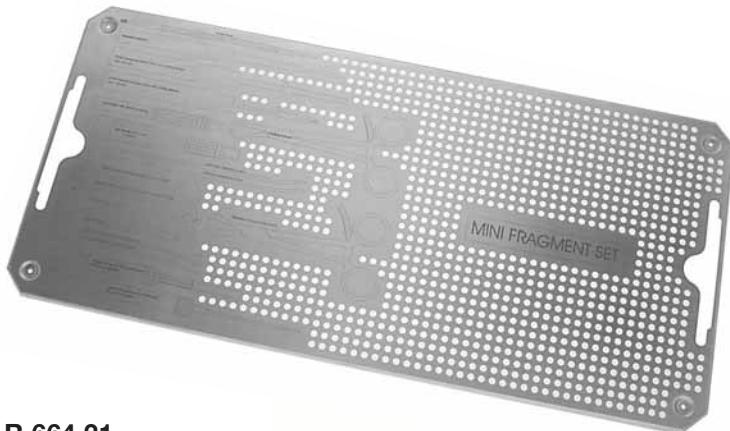
**R 664.16**  
Tray for Small Fragment Instrument  
and Titanium Implant Set



**R 110.13**  
Sterilization Container  
(recommended)

|                                                 |                                                                                                             |             | pcs.                                                                  |    |
|-------------------------------------------------|-------------------------------------------------------------------------------------------------------------|-------------|-----------------------------------------------------------------------|----|
| 34322-25                                        | drill bit m.Schnellkuppl.-ansatz, D. 2,5 mm, 110 mm                                                         |             | 2                                                                     |    |
| 34322-35                                        | Drill bit with quick action connector 3,5 mm Ø, 100 mm long                                                 |             | 2                                                                     |    |
| 34806-20                                        | Countersink with AO Shaft 2,0 mm tip                                                                        |             | 1                                                                     |    |
| 34330-35/125                                    | tap w. with AO attachment f. screws 3,5 mm Ø, thread pitch 1,25 mm                                          |             | 2                                                                     |    |
| 34330-40                                        | Taps with AO attachment Ø 4,0 mm, length 13 cm 1,75 mm pitch                                                |             | 2                                                                     |    |
| 34296-35                                        | Handle for AO attachement, 11 cm                                                                            |             | 1                                                                     |    |
| 34823-20                                        | Parallel drill guide and drill sleeve for drill bit Ø 2,0 mm                                                |             | 1                                                                     |    |
| 34824-35                                        | Soft-tissue sleeve and drill bit guide for drill bit Ø 2,5 mm / tap Ø 3,5 mm / cortical screws Ø 3,5 mm     |             | 1                                                                     |    |
| 34827-35                                        | Insert Drill sleeve 3,5 mm / 2,7 mm                                                                         |             | 1                                                                     |    |
| 34628-25                                        | Screwdriver with artificial handle hexagonal, Ø 2,5 mm, length 20 cm                                        |             | 1                                                                     |    |
| 34630-25                                        | Screw holding sleeve f. 2,5 mm hexagonal screws                                                             |             | 1                                                                     |    |
| 34635-25                                        | Screw driver bits for hexagonal socket 2,5 mm, quick coupling for handles #34296-25 / #34296-30 / #34296-35 |             | 1                                                                     |    |
| 34850-05                                        | Depth gauge for small screws 2,7 - 4,0 mm Ø, up to 50 mm                                                    |             | 1                                                                     |    |
| 34830-35                                        | Drill bit guide for neutral and eccentric holes, for drill bit Ø 2,5 mm and for cortical screws Ø 3,5 mm    |             | 1                                                                     |    |
| 19219-15                                        | sharp hook length 15 cm                                                                                     |             | 1                                                                     |    |
| 34641-02                                        | Bending iron for small plates 2,7 mm and 3,5 mm, length 14 cm                                               |             | 1                                                                     |    |
| 34641-01                                        | Bending iron for small plates 2,7 mm and 3,7 mm, length 14 cm                                               |             | 1                                                                     |    |
| 34836-07                                        | Bending templates 7-holes f plates Mini fragment                                                            |             | 1                                                                     |    |
| 34836-09                                        | Bending templates 9-holes f plates Mini fragment 3,5                                                        |             | 1                                                                     |    |
| 33391-15                                        | bone holding forceps selfcentering with thread fixation, 15 cm long                                         |             | 1                                                                     |    |
| 33409-13                                        | bone holding forceps, REDA 13,5 cm                                                                          |             | 1                                                                     |    |
| 33413-14                                        | REDA bone holding forceps, self-centering, length 135 mm                                                    |             | 1                                                                     |    |
| 33811-06                                        | bone lever, HOHMANN-MINI 16 cm, 6 mm                                                                        |             | 1                                                                     |    |
| 33811-08                                        | bone lever, HOHMANN-MINI 16 cm, 8 mm                                                                        |             | 1                                                                     |    |
| 33813-12                                        | bone lever, 14 mm, 12 cm                                                                                    |             | 2                                                                     |    |
| 33740-19                                        | periosteal elevator with ferre 19 cm, 6 mm                                                                  |             | 1                                                                     |    |
| 34701-01                                        | Screw forceps                                                                                               |             | 1                                                                     |    |
| <b>Cortex Screw Small Fragment, 3,5 mm Ø</b>    |                                                                                                             | <b>pcs.</b> |                                                                       |    |
| ROT-104-010 T                                   | screw length 10 mm                                                                                          | 8           | <b>ROT-104-026 T</b> screw length 26 mm                               | 8  |
| ROT-104-012 T                                   | screw length 12 mm                                                                                          | 8           | <b>ROT-104-028 T</b> screw length 28 mm                               | 8  |
| ROT-104-014 T                                   | screw length 14 mm                                                                                          | 8           | <b>ROT-104-032 T</b> screw length 32 mm                               | 8  |
| ROT-104-016 T                                   | screw length 16 mm                                                                                          | 8           | <b>ROT-104-036 T</b> screw length 36 mm                               | 8  |
| ROT-104-018 T                                   | screw length 18 mm                                                                                          | 8           | <b>ROT-104-040 T</b> screw length 40 mm                               | 8  |
| ROT-104-020 T                                   | screw length 20 mm                                                                                          | 8           | <b>ROT-104-045 T</b> screw length 45 mm                               | 8  |
| ROT-104-022 T                                   | screw length 22 mm                                                                                          | 8           | <b>ROT-104-050 T</b> screw length 50 mm                               | 8  |
| ROT-104-024 T                                   | screw length 24 mm                                                                                          | 8           |                                                                       |    |
| <b>Cancellous screw 4,0 mm Ø, Small Fragm.,</b> |                                                                                                             | <b>pcs.</b> |                                                                       |    |
| ROT-106-014 T                                   | screw length 14 mm, full thread                                                                             | 6           | <b>ROT-107-012 T</b> screw length 12 mm, short thread                 | 6  |
| ROT-106-016 T                                   | screw length 16 mm, full thread                                                                             | 6           | <b>ROT-107-014 T</b> screw length 14 mm, short thread                 | 6  |
| ROT-106-018 T                                   | screw length 18 mm, full thread                                                                             | 6           | <b>ROT-107-016 T</b> screw length 16 mm, short thread                 | 6  |
| ROT-106-020 T                                   | screw length 20 mm, full thread                                                                             | 6           | <b>ROT-107-018 T</b> screw length 18 mm, short thread                 | 6  |
| ROT-106-022 T                                   | screw length 22 mm, full thread                                                                             | 6           | <b>ROT-107-020 T</b> screw length 20 mm, short thread                 | 6  |
| ROT-106-024 T                                   | screw length 24 mm, full thread                                                                             | 6           | <b>ROT-107-022 T</b> screw length 22 mm, short thread                 | 6  |
| ROT-106-026 T                                   | screw length 26 mm, full thread                                                                             | 6           | <b>ROT-107-024 T</b> screw length 24 mm, short thread                 | 6  |
| ROT-106-028 T                                   | screw length 28 mm, full thread                                                                             | 6           | <b>ROT-107-026 T</b> screw length 26 mm, short thread                 | 6  |
| ROT-106-032 T                                   | screw length 32 mm, full thread                                                                             | 6           | <b>ROT-107-028 T</b> screw length 28 mm, short thread                 | 6  |
| ROT-106-035 T                                   | screw length 35 mm, full thread                                                                             | 6           | <b>ROT-107-030 T</b> screw length 32 mm, short thread                 | 6  |
| ROT-106-040 T                                   | screw length 40 mm, full thread                                                                             | 6           | <b>ROT-107-035 T</b> screw length 35 mm, short thread                 | 6  |
| ROT-106-045 T                                   | screw length 45 mm, full thread                                                                             | 6           | <b>ROT-107-040 T</b> screw length 40 mm, short thread                 | 6  |
| ROT-106-050 T                                   | screw length 50 mm, full thread                                                                             | 6           | <b>ROT-107-045 T</b> screw length 45 mm, short thread                 | 6  |
| ROT-106-055 T                                   | screw length 55 mm, full thread                                                                             | 4           | <b>ROT-107-050 T</b> screw length 50 mm, short thread                 | 6  |
| ROT-106-060 T                                   | screw length 60 mm, full thread                                                                             | 4           |                                                                       |    |
| ROT-199-070 T                                   | washer for screw 7 mm Ø 2,7 mm, 3,5 mm und 4,0 mm Ø not for cannulated screw 4,0 mm Ø                       |             | 6                                                                     |    |
| <b>Plates for screws 3,5mm</b>                  |                                                                                                             |             |                                                                       |    |
| ROT-233050-03 3 T                               | T-Plate straight, small 3 holes (shank), length 50 mm                                                       | 1           | <b>ROT-211025-02 DT</b> One-third tubular plate 2 holes, length 25 mm | 1  |
| ROT-233056-04 4 T                               | T-Plate straight, small 4 holes (shank), length 56 mm                                                       | 1           | <b>ROT-211037-03 DT</b> One-third tubular plate 3 holes, length 37 mm | 1  |
| ROT-232052-03 T                                 | T-Plate, oblique-angled 3 holes (shank), length 52 mm                                                       | 1           | <b>ROT-211049-04 DT</b> One-third tubular plate 4 holes, length 49 mm | 1  |
| ROT-232072-05 T                                 | T-Plate, oblique-angled 5 holes (shank), length 72 mm                                                       | 1           | <b>ROT-211062-05 DT</b> One-third tubular plate 5 holes, length 62 mm | 1  |
| ROT-230088-03 T                                 | Cloverleaf plate, 3 holes, length 88 mm                                                                     | 1           | <b>ROT-211073-06 DT</b> One-third tubular plate 6 holes, length 73 mm | 1  |
| ROT-230104-04 T                                 | Cloverleaf-plate, 4 holes, length 104 mm                                                                    | 1           | <b>ROT-211085-07 DT</b> One-third tubular plate 7 holes, length 85 mm | 1  |
| ROT-209074-06 DT                                | small fragment plate, 6 holes, length 73 mm                                                                 | 2           | <b>ROT-211097-08 DT</b> One-third tubular plate 8 holes, length 97 mm | 1  |
| ROT-209086-07 DT                                | small fragment plate, 7 holes, length 85 mm                                                                 | 2           | drill wire, KIRSCHNER 15 cm                                           |    |
| ROT-209098-08 DT                                | small fragment plate, 8 holes, length 97 mm                                                                 | 2           | <b>ROT-440150-12/T</b> trocar point/trocar, D. 1,2 mm                 | 12 |
| ROT-209110-09 DT                                | small fragment plate, 9 holes, length 109 mm                                                                | 2           | <b>ROT-440150-16/T</b> trocar point/trocar, D. 1,6 mm                 | 12 |
| R 110.13                                        | Container perforated lid, unperforated bottom 580x280x135 mm, silver                                        |             | <b>ROT-440150-20/T</b> trocar point/trocar, D. 2,0 mm                 | 12 |
| R 664.16                                        | Tray for small fragment instruments, screws and plates                                                      |             |                                                                       | 1  |

**Set / 3400021** Mini Instrument and Steel Implant Set  
(Steel Screws and Plates in Mat. DIN ISO 5832-1)



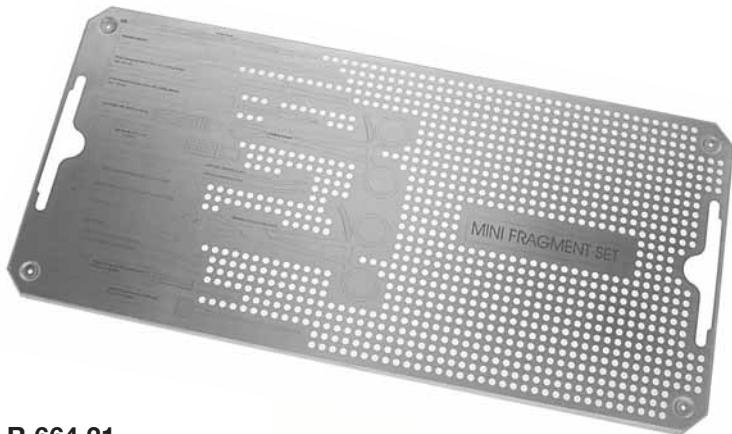
**R 664.21**  
Tray for Mini Instrument and  
Implant Set (Steel)



**R 110.10**  
Sterilization Container  
(recommended)

|                 |                                                                                                   | pcs. |
|-----------------|---------------------------------------------------------------------------------------------------|------|
| 34322-20        | drill bit w.quick coupling (AO) 2,0 mm Ø, 100 mm long                                             | 2    |
| 34322-27        | Drill bit with quick action 2,7 mm Ø, 100 mm long                                                 | 2    |
| 34806-20        | Countersink with AO Shaft 2,0 mm tip                                                              | 1    |
| 34330-27        | Gewindeschneider mit AO-Ansatz Ø 2,7 mm                                                           | 2    |
| 34296-35        | Handle for AO attachment, 11 cm                                                                   | 1    |
| 34823-20        | Parallel drill guide and drill sleeve for drill bit Ø 2,0 mm                                      | 1    |
| 34825-35        | Soft-tissue sleeve for drill bit Ø 3,2 mm                                                         | 1    |
| 34628-25        | Screwdriver with artificial handle hexagonal, Ø 2,5 mm, length 20 cm                              | 1    |
| 34630-25        | Screw holding sleeve f. 2,5 mm hexagonal screws                                                   | 1    |
| 34850-05        | Depth gauge for small screws 2,7 - 4,0 mm Ø, up to 50 mm                                          | 1    |
| 34322-11        | drill bit m.Schnellkuppl.- ansatz, D. 1,1 mm, 60 mm                                               | 2    |
| 34322-15        | drill bit m.Schnellkuppl.- ansatz, D. 1,5 mm, 85 mm                                               | 2    |
| 34806-11        | Countersink with AO Shaft 1,1 mm tip                                                              | 1    |
| 34330-15/38     | Taps with dental attachment Ø 1,5 mm, length 38 mm                                                | 2    |
| 34330-20/38     | Taps with dental attachment Ø 2,0 mm, length 38 mm                                                | 2    |
| 34296-40        | Handle for dental attachment, 10,5 cm                                                             | 1    |
| 34822-15        | Tissue protection sleeve 127 mm, f.Drills a. tapes 1,5/1,1 mm                                     | 1    |
| 34850-03        | Depth gauge for mini screws 1,5 - 2,0 mm Ø, up to 30 mm                                           | 1    |
| 19219-15        | sharp hook length 15 cm                                                                           | 1    |
| 34628-15        | screw driver w. ferrozell handle 1,5 mm hexagonal socket 20 cm long                               | 1    |
| 34642-01        | Bending iron for small plates 2,0 mm 2 mm/120 mm                                                  | 1    |
| 33410-13        | holding forceps for Mini,13,5 cm                                                                  | 1    |
| 33408-13        | Reduction forceps with tips length 135 mm                                                         | 1    |
| 33811-06        | bone lever, HOHMANN-MINI 16 cm, 6 mm                                                              | 1    |
| 33811-08        | bone lever, HOHMANN-MINI 16 cm, 8 mm                                                              | 1    |
| 33813-12        | bone lever, 14 mm, 12 cm                                                                          | 2    |
| 33741-18        | periosteal elevator with ferre 18,5 cm, 3 mm                                                      | 1    |
| 34701-01        | Screw forceps                                                                                     | 1    |
| ROT-103-006     | Cortex Screw Small Fragment, 2,7 mm Ø, Head 5,0 mm Ø, screw length 6 mm, Hexagonal socket 2,5 mm  | 6    |
| ROT-103-008     | Cortex Screw Small Fragment, 2,7 mm Ø, Head 5,0 mm Ø, screw length 8 mm, Hexagonal socket 2,5 mm  | 6    |
| ROT-103-010     | Cortex Screw Small Fragment, 2,7 mm Ø, Head 5,0 mm Ø, screw length 10 mm, Hexagonal socket 2,5 mm | 6    |
| ROT-103-012     | Cortex Screw Small Fragment, 2,7 mm Ø, Head 5,0 mm Ø, screw length 12 mm, Hexagonal socket 2,5 mm | 6    |
| ROT-103-014     | Cortex Screw Small Fragment, 2,7 mm Ø, Head 5,0 mm Ø, screw length 14 mm, Hexagonal socket 2,5 mm | 6    |
| ROT-103-016     | Cortex Screw Small Fragment, 2,7 mm Ø, Head 5,0 mm Ø, screw length 16 mm, Hexagonal socket 2,5 mm | 6    |
| ROT-103-018     | Cortex Screw Small Fragment, 2,7 mm Ø, Head 5,0 mm Ø, screw length 18 mm, Hexagonal socket 2,5 mm | 6    |
| ROT-103-020     | Cortex Screw Small Fragment, 2,7 mm Ø, Head 5,0 mm Ø, screw length 20 mm, Hexagonal socket 2,5 mm | 6    |
| ROT-103-022     | Cortex Screw Small Fragment, 2,7 mm Ø, Head 5,0 mm Ø, screw length 22 mm, Hexagonal socket 2,5 mm | 6    |
| ROT-103-024     | Cortex Screw Small Fragment, 2,7 mm Ø, Head 5,0 mm Ø, screw length 24 mm, Hexagonal socket 2,5 mm | 6    |
| ROT-199-070     | washer for screw 7 mm Ø, 2,7 mm, 3,5 mm und 4,0 mm Ø, not for cannulated screw 4,0 mm Ø           | 6    |
| ROT-235023-03   | Quarter-tubular platefor screws Ø 2,7 mm, 3 holes, length 23 mm                                   | 2    |
| ROT-235031-04   | Quarter-tubular platefor screws Ø 2,7 mm, 4 holes, length 31 mm                                   | 2    |
| ROT-235039-05   | Quarter-tubular platefor screws Ø 2,7 mm, 5 holes, length 39 mm                                   | 2    |
| ROT-235047-06   | Quarter-tubular platefor screws Ø 2,7 mm, 6 holes, length 47 mm                                   | 2    |
| ROT-235055-07   | Quarter-tubular platefor screws Ø 2,7 mm, 7 holes, length 55 mm                                   | 2    |
| ROT-235063-08   | Quarter-tubular platefor screws Ø 2,7 mm, 8 holes, length 63 mm                                   | 2    |
| ROT-234034-03 L | L-Plate oblique, leftfor screws Ø 2,7 mm, 3 holes, length 34 mm                                   | 2    |
| ROT-234034-03 R | L-Plate oblique, rightfor screws Ø 2,7 mm, 3 holes, length 34 mm                                  | 2    |
| ROT-234032-03   | T-platefor screws Ø 2,7 mm, 3 holes, length 32 mm                                                 | 4    |
| ROT-440100-08   | drill wire, KIRSCHNER 10 cm, trocar point/round, D. 0,8 mm                                        | 10   |
| ROT-440100-10   | drill wire, KIRSCHNER 10 cm, trocar point/round, D. 1,0 mm                                        | 10   |
| ROT-440150-10   | drill wire, KIRSCHNER 15 cm, trocar point/round, D. 1,0 mm                                        | 10   |
| ROT-440150-12/T | drill wire, KIRSCHNER 15 cm, trocar point/trocar, D. 1,2 mm                                       | 10   |
| ROT-440150-16/T | drill wire, KIRSCHNER 15 cm, trocar point/trocar, D. 1,6 mm                                       | 10   |
| ROT-101-006     | Cortex Screw Mini Fragment, 1,5 mm Ø, Head 3,0 mm Ø, screw length 6 mm, Hexagonal socket 1,5 mm   | 4    |
| ROT-101-007     | Cortex Screw Mini Fragment, 1,5 mm Ø, Head 3,0 mm Ø, screw length 7 mm, Hexagonal socket 1,5 mm   | 4    |
| ROT-101-008     | Cortex Screw Mini Fragment, 1,5 mm Ø, Head 3,0 mm Ø, screw length 8 mm, Hexagonal socket 1,5 mm   | 4    |
| ROT-101-009     | Cortex Screw Mini Fragment, 1,5 mm Ø, Head 3,0 mm Ø, screw length 9 mm, Hexagonal socket 1,5 mm   | 4    |
| ROT-101-010     | Cortex Screw Mini Fragment, 1,5 mm Ø, Head 3,0 mm Ø, screw length 10 mm, Hexagonal socket 1,5 mm  | 4    |
| ROT-101-011     | Cortex Screw Mini Fragment, 1,5 mm Ø, Head 3,0 mm Ø, screw length 11 mm, Hexagonal socket 1,5 mm  | 4    |
| ROT-101-012     | Cortex Screw Mini Fragment, 1,5 mm Ø, Head 3,0 mm Ø, screw length 12 mm, Hexagonal socket 1,5 mm  | 4    |
| ROT-101-014     | Cortex Screw Mini Fragment, 1,5 mm Ø, Head 3,0 mm Ø, screw length 14 mm, Hexagonal socket 1,5 mm  | 4    |
| ROT-101-016     | Cortex Screw Mini Fragment, 1,5 mm Ø, Head 3,0 mm Ø, screw length 16 mm, Hexagonal socket 1,5 mm  | 4    |
| ROT-102-006     | Cortex Screw Mini Fragment, 2,0 mm Ø, Head 4,0 mm, screw length 6 mm, Hexagonal socket 1,5 mm     | 6    |
| ROT-102-008     | screw corticalis mini D. 2 mm, length 8 mm                                                        | 6    |
| ROT-102-010     | screw corticalis mini D. 2 mm, length 10 mm                                                       | 6    |
| ROT-102-012     | screw corticalis mini D. 2 mm, length 12 mm                                                       | 6    |
| ROT-102-014     | screw corticalis mini D. 2 mm, length 14 mm                                                       | 6    |
| ROT-102-016     | screw corticalis mini D. 2 mm, length 16 mm                                                       | 6    |
| ROT-102-018     | screw corticalis mini D. 2 mm, length 18 mm                                                       | 6    |
| ROT-102-020     | screw corticalis mini D. 2 mm, length 20 mm                                                       | 6    |
| ROT-247017-03   | Plate mini fragment for screws Ø 2,0 mm, 3 holes, length 17 mm                                    | 2    |
| ROT-247023-04   | Plate mini fragment for screws Ø 2,0 mm, 4 holes, length 23 mm                                    | 2    |
| ROT-247029-05   | Plate mini fragment for screws Ø 2,0 mm, 5 holes, length 29 mm                                    | 2    |
| ROT-247019-02 L | L-Plate oblique, left for screws Ø 2,0 mm, 2 holes, length 19 mm                                  | 2    |
| ROT-247019-02 R | L-Plate oblique, right for screws Ø 2,0 mm, 2 holes, length 19 mm                                 | 2    |
| ROT-247018-02   | T-Plate, for screws Ø 2,0 mm, 2 holes, length 18 mm                                               | 4    |
| R 110.10        | Container perforated lid, unperforated bottom 580x280x100 mm, silver                              | 1    |
| R 664.21        | Tray for MINI instrumenten set, screws and plates                                                 | 1    |

**Set / 3400021 T** Mini Instrument / Titanium Implant Set  
(Titanium Screws and Plates in Mat. DIN ISO 5832-3)



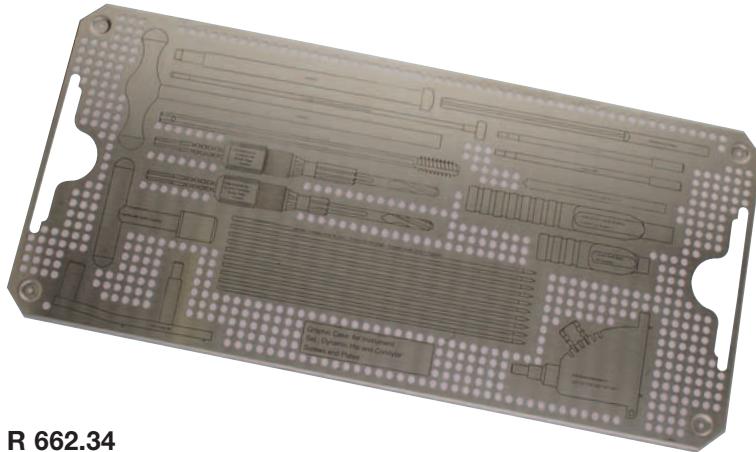
**R 664.21**  
Tray for Mini Instrument and  
Implant Set (Steel)



**R 110.10**  
Sterilization Container  
(recommended)

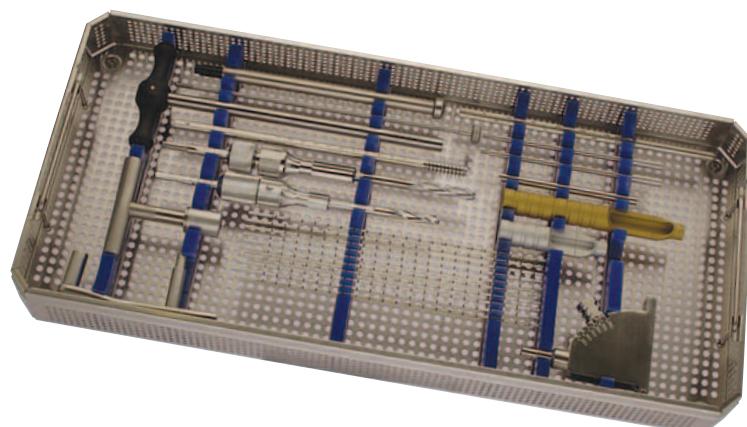
|                  |                                                                                                   | pcs. |
|------------------|---------------------------------------------------------------------------------------------------|------|
| 34322-20         | drill bit w.quick coupling (AO) 2,0 mm Ø, 100 mm long                                             | 2    |
| 34322-27         | Drill bit with quick action 2,7 mm Ø, 100 mm long                                                 | 2    |
| 34806-20         | Countersink with AO Shaft 2,0 mm tip                                                              | 1    |
| 34330-27         | Gewindeschneider mit AO-Ansatz Ø 2,7 mm                                                           | 2    |
| 34296-35         | Handle for AO attachment, 11 cm                                                                   | 1    |
| 34823-20         | Parallel drill guide and drill sleeve for drill bit Ø 2,0 mm                                      | 1    |
| 34825-35         | Soft-tissue sleeve for drill bit Ø 3,2 mm                                                         | 1    |
| 34628-25         | Screwdriver with artificial handle hexagonal, Ø 2,5 mm, length 20 cm                              | 1    |
| 34630-25         | Screw holding sleeve f. 2,5 mm hexagonal screws                                                   | 1    |
| 34850-05         | Depth gauge for small screws 2,7 - 4,0 mm Ø, up to 50 mm                                          | 1    |
| 34322-11         | drill bit m.Schnellkuppl.- ansatz, D. 1,1 mm, 60 mm                                               | 2    |
| 34322-15         | drill bit m.Schnellkuppl.- ansatz, D. 1,5 mm, 85 mm                                               | 2    |
| 34806-11         | Countersink with AO Shaft 1,1 mm tip                                                              | 1    |
| 34330-15/38      | Taps with dental attachment Ø 1,5 mm, length 38 mm                                                | 2    |
| 34330-20/38      | Taps with dental attachment Ø 2,0 mm, length 38 mm                                                | 2    |
| 34296-40         | Handle for dental attachment, 10,5 cm                                                             | 1    |
| 34822-15         | Tissue protection sleeve 127 mm, f.Drills a. tapes 1,5/1,1 mm                                     | 1    |
| 34850-03         | Depth gauge for mini screws 1,5 - 2,0 mm Ø, up to 30 mm                                           | 1    |
| 19219-15         | sharp hook length 15 cm                                                                           | 1    |
| 34628-15         | screw driver w. ferrozell handle 1,5 mm hexagonal socket 20 cm long                               | 1    |
| 34642-01         | Bending iron for small plates 2,0 mm 2 mm/120 mm                                                  | 1    |
| 33410-13         | holding forceps for Mini,13,5 cm                                                                  | 1    |
| 33408-13         | Reduction forceps with tips length 135 mm                                                         | 1    |
| 33811-06         | bone lever, HOHMANN-MINI 16 cm, 6 mm                                                              | 1    |
| 33811-08         | bone lever, HOHMANN-MINI 16 cm, 8 mm                                                              | 1    |
| 33813-12         | bone lever, 14 mm, 12 cm                                                                          | 2    |
| 33741-18         | periosteal elevator with ferre 18,5 cm, 3 mm                                                      | 1    |
| 34701-01         | Screw forceps                                                                                     | 1    |
| ROT-103-006 T    | Cortex Screw Small Fragment, 2,7 mm Ø, Head 5,0 mm Ø, screw length 6 mm, Hexagonal socket 2,5 mm  | 6    |
| ROT-103-008 T    | Cortex Screw Small Fragment, 2,7 mm Ø, Head 5,0 mm Ø, screw length 8 mm, Hexagonal socket 2,5 mm  | 6    |
| ROT-103-010 T    | Cortex Screw Small Fragment, 2,7 mm Ø, Head 5,0 mm Ø, screw length 10 mm, Hexagonal socket 2,5 mm | 6    |
| ROT-103-012 T    | Cortex Screw Small Fragment, 2,7 mm Ø, Head 5,0 mm Ø, screw length 12 mm, Hexagonal socket 2,5 mm | 6    |
| ROT-103-014 T    | Cortex Screw Small Fragment, 2,7 mm Ø, Head 5,0 mm Ø, screw length 14 mm, Hexagonal socket 2,5 mm | 6    |
| ROT-103-016 T    | Cortex Screw Small Fragment, 2,7 mm Ø, Head 5,0 mm Ø, screw length 16 mm, Hexagonal socket 2,5 mm | 6    |
| ROT-103-018 T    | Cortex Screw Small Fragment, 2,7 mm Ø, Head 5,0 mm Ø, screw length 18 mm, Hexagonal socket 2,5 mm | 6    |
| ROT-103-020 T    | Cortex Screw Small Fragment, 2,7 mm Ø, Head 5,0 mm Ø, screw length 20 mm, Hexagonal socket 2,5 mm | 6    |
| ROT-103-022 T    | Cortex Screw Small Fragment, 2,7 mm Ø, Head 5,0 mm Ø, screw length 22 mm, Hexagonal socket 2,5 mm | 6    |
| ROT-103-024 T    | Cortex Screw Small Fragment, 2,7 mm Ø, Head 5,0 mm Ø, screw length 24 mm, Hexagonal socket 2,5 mm | 6    |
| ROT-199-070 T    | washer for screw 7 mm Ø, 2,7 mm, 3,5 mm und 4,0 mm Ø, not for cannulated screw 4,0 mm Ø           | 6    |
| ROT-235023-03 T  | Quarter-tubular platefor screws Ø 2,7 mm, 3 holes, length 23 mm                                   | 2    |
| ROT-235031-04 T  | Quarter-tubular platefor screws Ø 2,7 mm, 4 holes, length 31 mm                                   | 2    |
| ROT-235039-05 T  | Quarter-tubular platefor screws Ø 2,7 mm, 5 holes, length 39 mm                                   | 2    |
| ROT-235047-06 T  | Quarter-tubular platefor screws Ø 2,7 mm, 6 holes, length 47 mm                                   | 2    |
| ROT-235055-07 T  | Quarter-tubular platefor screws Ø 2,7 mm, 7 holes, length 55 mm                                   | 2    |
| ROT-235063-08 T  | Quarter-tubular platefor screws Ø 2,7 mm, 8 holes, length 63 mm                                   | 2    |
| ROT-234034-03 LT | L-Plate oblique, leftfor screws Ø 2,7 mm, 3 holes, length 34 mm                                   | 2    |
| ROT-234034-03 RT | L-Plate oblique, rightfor screws Ø 2,7 mm, 3 holes, length 34 mm                                  | 2    |
| ROT-234032-03 T  | T-platefor screws Ø 2,7 mm, 3 holes, length 32 mm                                                 | 4    |
| ROT-440100-08    | drill wire, KIRSCHNER 10 cm, trocar point/round, D. 0,8 mm                                        | 10   |
| ROT-440100-10    | drill wire, KIRSCHNER 10 cm, trocar point/round, D. 1,0 mm                                        | 10   |
| ROT-440150-10    | drill wire, KIRSCHNER 15 cm, trocar point/round, D. 1,0 mm                                        | 10   |
| ROT-440150-12/T  | drill wire, KIRSCHNER 15 cm, trocar point/trocar, D. 1,2 mm                                       | 10   |
| ROT-440150-16/T  | drill wire, KIRSCHNER 15 cm, trocar point/trocar, D. 1,6 mm                                       | 10   |
| ROT-101-006 T    | Cortex Screw Mini Fragment, 1,5 mm Ø, Head 3,0 mm Ø, screw length 6 mm, Hexagonal socket 1,5 mm   | 4    |
| ROT-101-007 T    | Cortex Screw Mini Fragment, 1,5 mm Ø, Head 3,0 mm Ø, screw length 7 mm, Hexagonal socket 1,5 mm   | 4    |
| ROT-101-008 T    | Cortex Screw Mini Fragment, 1,5 mm Ø, Head 3,0 mm Ø, screw length 8 mm, Hexagonal socket 1,5 mm   | 4    |
| ROT-101-009 T    | Cortex Screw Mini Fragment, 1,5 mm Ø, Head 3,0 mm Ø, screw length 9 mm, Hexagonal socket 1,5 mm   | 4    |
| ROT-101-010 T    | Cortex Screw Mini Fragment, 1,5 mm Ø, Head 3,0 mm Ø, screw length 10 mm, Hexagonal socket 1,5 mm  | 4    |
| ROT-101-011 T    | Cortex Screw Mini Fragment, 1,5 mm Ø, Head 3,0 mm Ø, screw length 11 mm, Hexagonal socket 1,5 mm  | 4    |
| ROT-101-012 T    | Cortex Screw Mini Fragment, 1,5 mm Ø, Head 3,0 mm Ø, screw length 12 mm, Hexagonal socket 1,5 mm  | 4    |
| ROT-101-014 T    | Cortex Screw Mini Fragment, 1,5 mm Ø, Head 3,0 mm Ø, screw length 14 mm, Hexagonal socket 1,5 mm  | 4    |
| ROT-101-016 T    | Cortex Screw Mini Fragment, 1,5 mm Ø, Head 3,0 mm Ø, screw length 16 mm, Hexagonal socket 1,5 mm  | 4    |
| ROT-102-006 T    | Cortex Screw Mini Fragment, 2,0 mm Ø, Head 4,0 mm, screw length 6 mm, Hexagonal socket 1,5 mm     | 6    |
| ROT-102-008 T    | screw corticalis mini D. 2 mm, length 8 mm                                                        | 6    |
| ROT-102-010 T    | screw corticalis mini D. 2 mm, length 10 mm                                                       | 6    |
| ROT-102-012 T    | screw corticalis mini D. 2 mm, length 12 mm                                                       | 6    |
| ROT-102-014 T    | screw corticalis mini D. 2 mm, length 14 mm                                                       | 6    |
| ROT-102-016 T    | screw corticalis mini D. 2 mm, length 16 mm                                                       | 6    |
| ROT-102-018 T    | screw corticalis mini D. 2 mm, length 18 mm                                                       | 6    |
| ROT-102-020 T    | screw corticalis mini D. 2 mm, length 20 mm                                                       | 6    |
| ROT-247017-03 T  | Plate mini fragment for screws Ø 2,0 mm, 3 holes, length 17 mm                                    | 2    |
| ROT-247023-04 T  | Plate mini fragment for screws Ø 2,0 mm, 4 holes, length 23 mm                                    | 2    |
| ROT-247029-05 T  | Plate mini fragment for screws Ø 2,0 mm, 5 holes, length 29 mm                                    | 2    |
| ROT-247019-02 LT | L-Plate oblique, left for screws Ø 2,0 mm, 2 holes, length 19 mm                                  | 2    |
| ROT-247019-02 RT | L-Plate oblique, right for screws Ø 2,0 mm, 2 holes, length 19 mm                                 | 2    |
| ROT-247018-02 T  | T-Plate, for screws Ø 2,0 mm, 2 holes, length 18 mm                                               | 4    |
| R 110.10         | Container perforated lid, unperforated bottom 580x280x100 mm, silver                              | 1    |
| R 664.21         | Tray for MINI instrumenten set, screws and plates                                                 | 1    |

**Set / 3400031** Standard Instrument Set for Dynamic and Condylar Screws and Plates



**R 662.34**

Tray for Instrument Set, Dynamic Hip  
and Condylar Screws and Plates  
(Steel)



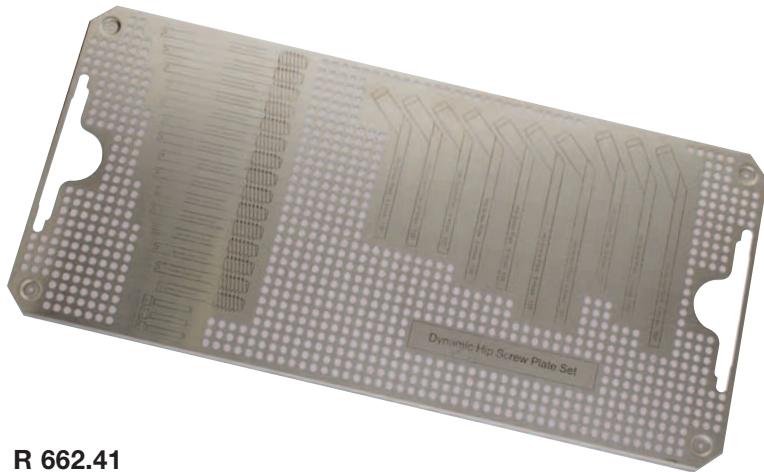
**R 110.10**

Sterilization Container  
(recommended)

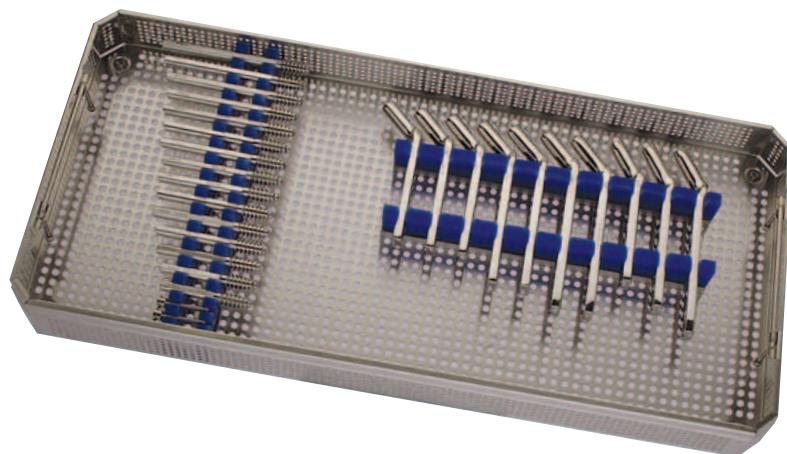
**Set / 3400031** Standard Instrument Set for Dynamic and Condylar Screws and Plates

|          | pcs. |
|----------|------|
| 37092-23 | 1    |
| 37093-00 | 1    |
| 37092-00 | 1    |
| 37094-38 | 1    |
| 37096-42 | 1    |
| 37096-43 | 1    |
| 37096-45 | 1    |
| 37095-42 | 1    |
| 37095-43 | 1    |
| 37095-41 | 1    |
| 37095-44 | 1    |
| 37095-40 | 1    |
| 37096-00 | 1    |
| 37057-00 | 1    |
| 37094-25 | 1    |
| R 110.10 | 1    |
| R 662.34 | 1    |

**Set / 3400032** Dynamic Hip Screw Standard Implant Set  
(Steel Plates in Mat. DIN ISO 5832-1)



**R 662.41**  
Tray for Dynamic Hip Screw  
Standard Implant Set  
(Steel)

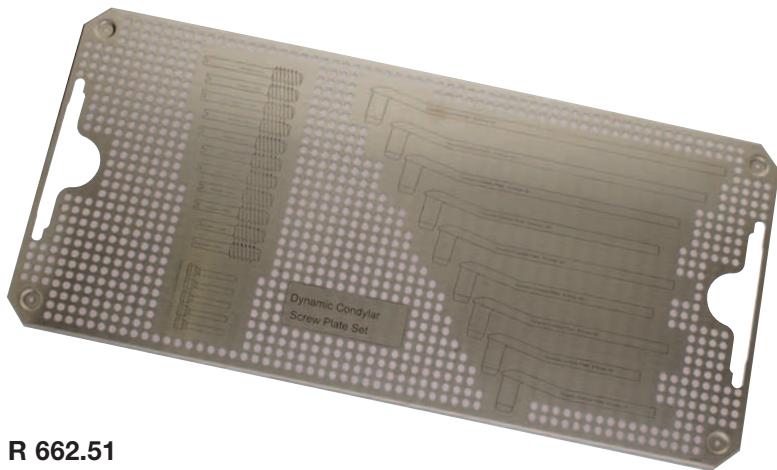


**R 110.10**  
Sterilization Container  
(recommended)

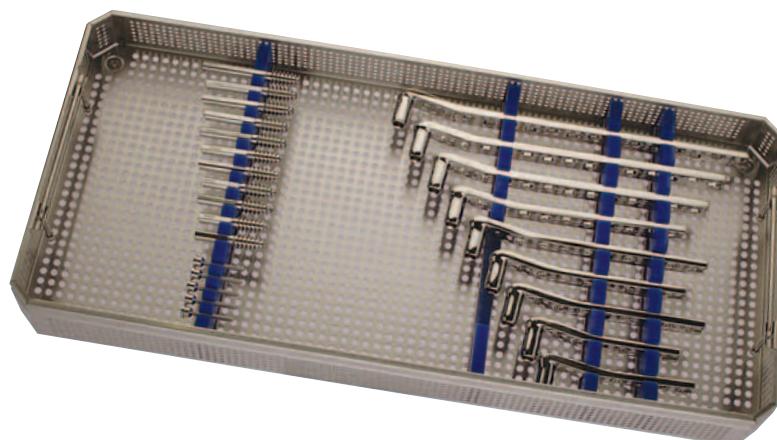
**Set / 3400032** Dynamic Hip Screw Standard Implant Set  
 (Steel Plates in Mat. DIN ISO 5832-1)

|                      | pcs. |
|----------------------|------|
| <b>ROT-312065</b>    | 1    |
| <b>ROT-312070</b>    | 1    |
| <b>ROT-312075</b>    | 2    |
| <b>ROT-312080</b>    | 2    |
| <b>ROT-312085</b>    | 2    |
| <b>ROT-312090</b>    | 2    |
| <b>ROT-312095</b>    | 2    |
| <b>ROT-312100</b>    | 2    |
| <b>ROT-312105</b>    | 1    |
| <b>ROT-312110</b>    | 1    |
| <b>ROT-312115</b>    | 1    |
| <b>ROT-312031</b>    | 3    |
| <b>ROT-310135-04</b> | 3    |
| <b>ROT-310135-05</b> | 2    |
| <b>ROT-310135-06</b> | 2    |
| <b>ROT-310150-04</b> | 1    |
| <b>ROT-310150-05</b> | 1    |
| <b>ROT-310150-06</b> | 1    |
| <b>R 110.10</b>      | 1    |
| <b>R 662.41</b>      | 1    |
| DHS implant tray     |      |

**Set / 3400033** Dynamic Condylar Standard Implant Set  
(Steel Plates in Mat. DIN ISO 5832-1)



**R 662.51**  
Tray for Dynamic Condylar  
Standard Implant Set  
(Steel)

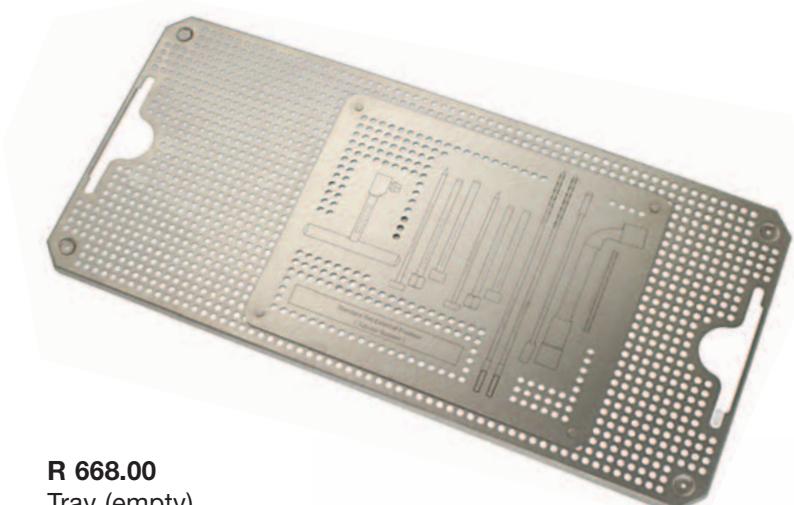


**R 110.10**  
Sterilization Container  
(recommended)

**Set / 3400033** Dynamic Hip Screw Standard Implant Set  
 (Steel Plates in Mat. DIN ISO 5832-1)

|                      | pcs. |
|----------------------|------|
| <b>ROT-312050</b>    | 2    |
| <b>ROT-312055</b>    | 2    |
| <b>ROT-312060</b>    | 2    |
| <b>ROT-312065</b>    | 2    |
| <b>ROT-312070</b>    | 2    |
| <b>ROT-312075</b>    | 1    |
| <b>ROT-312031</b>    | 3    |
| <b>ROT-311114-06</b> | 2    |
| <b>ROT-311146-08</b> | 2    |
| <b>ROT-311178-10</b> | 2    |
| <b>ROT-311210-12</b> | 1    |
| <b>ROT-311242-14</b> | 1    |
| <b>ROT-311274-16</b> | 1    |
| <b>R 110.10</b>      | 1    |
| <b>R 662.51</b>      | 1    |

**Set / 3400051** Küntscher Instrumentation Set



**R 668.00**

Tray (empty)



**R 110.10**

Sterilization Container  
(recommended)

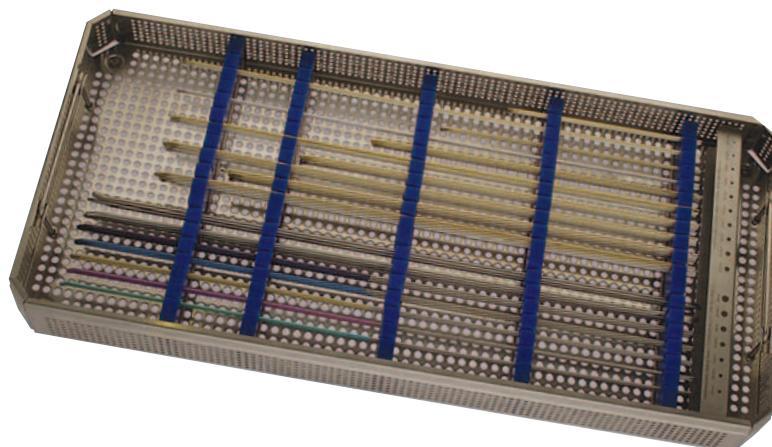
**Set / 3400051**    Küntscher Instrumentation Set

|                 | pcs. |
|-----------------|------|
| <b>34570-02</b> | 1    |
| <b>34573-35</b> | 1    |
| <b>33700-11</b> | 1    |
| <b>34589-01</b> | 1    |
| <b>34588-01</b> | 1    |
| <b>34588-02</b> | 1    |
| <b>34588-03</b> | 1    |
| <b>34590-00</b> | 1    |
| <b>37300-00</b> | 1    |
| <b>33701-50</b> | 1    |
| <b>R 190.05</b> | 1    |
| <b>R 110.10</b> | 1    |

**Set / 3400052**    Implant Set for Intramedullary Gliding Nails  
(Steel and Titanium Gliding Nail Set)



**R 665.00**  
Tray (empty)



**R 110.10**  
Sterilization Container  
(recommended)

**Set / 3400052**    Implant Set for Intramedullary Gliding Nails  
 (Steel and Titanium Gliding Nail Set)

|                                                                      | pcs. |
|----------------------------------------------------------------------|------|
| <b>ROT-410045-30</b>                                                 | 3    |
| <b>ROT-410045-31</b>                                                 | 3    |
| <b>ROT-410045-32</b>                                                 | 3    |
| <b>ROT-410045-33</b>                                                 | 3    |
| <b>ROT-410045-34</b>                                                 | 3    |
| <b>ROT-410045-35</b>                                                 | 3    |
| <b>ROT-410045-36</b>                                                 | 3    |
| <b>ROT-410045-37</b>                                                 | 3    |
| <b>ROT-410045-38</b>                                                 | 3    |
| <b>ROT-410045-39</b>                                                 | 3    |
| <b>ROT-410045-40</b>                                                 | 3    |
| <b>ROT-410045-41</b>                                                 | 3    |
| <b>ROT-410045-42</b>                                                 | 3    |
| <b>ROT-410045-43</b>                                                 | 3    |
| <b>ROT-410045-44</b>                                                 | 3    |
| <b>ROT-410045-45</b>                                                 | 3    |
| <b>ROT-410045-46</b>                                                 | 3    |
| <b>ROT-410045-47</b>                                                 | 3    |
| <b>ROT-410045-48</b>                                                 | 3    |
| <b>ROT-410045-49</b>                                                 | 3    |
| <b>34612-00</b>                                                      | 1    |
| <b>34613-00</b>                                                      | 1    |
| <b>37305-24</b>                                                      | 1    |
| <b>34617-00</b>                                                      | 1    |
| <b>34592-00</b>                                                      | 1    |
| <b>34570-01</b>                                                      | 1    |
| <b>R 665.00</b>                                                      | 1    |
| <b>R 110.10</b>                                                      | 1    |
| flexible medullary nail, ENDER D. 4,5 mm 300 mm                      | 3    |
| flexible medullary nail, ENDER D. 4,5 mm 310 mm                      | 3    |
| flexible medullary nail, ENDER D. 4,5 mm 320 mm                      | 3    |
| flexible medullary nail, ENDER D. 4,5 mm 330 mm                      | 3    |
| flexible medullary nail, ENDER D. 4,5 mm 340 mm                      | 3    |
| flexible medullary nail, ENDER D. 4,5 mm 350 mm                      | 3    |
| flexible medullary nail, ENDER D. 4,5 mm 360 mm                      | 3    |
| flexible medullary nail, ENDER D. 4,5 mm 370 mm                      | 3    |
| flexible medullary nail, ENDER D. 4,5 mm 380 mm                      | 3    |
| flexible medullary nail, ENDER D. 4,5 mm 390 mm                      | 3    |
| flexible medullary nail, ENDER D. 4,5 mm 400 mm                      | 3    |
| flexible medullary nail, ENDER D. 4,5 mm 410 mm                      | 3    |
| flexible medullary nail, ENDER D. 4,5 mm 420 mm                      | 3    |
| flexible medullary nail, ENDER D. 4,5 mm 430 mm                      | 3    |
| flexible medullary nail, ENDER D. 4,5 mm 440 mm                      | 3    |
| flexible medullary nail, ENDER D. 4,5 mm 450 mm                      | 3    |
| flexible medullary nail, ENDER D. 4,5 mm 460 mm                      | 3    |
| flexible medullary nail, ENDER D. 4,5 mm 470 mm                      | 3    |
| flexible medullary nail, ENDER D. 4,5 mm 480 mm                      | 3    |
| flexible medullary nail, ENDER D. 4,5 mm 490 mm                      | 3    |
| nail inserter                                                        | 1    |
| impactor                                                             | 1    |
| bender, 24 cm                                                        | 1    |
| impactor/extractor                                                   | 1    |
| extractor medullary nails 63 cm                                      | 1    |
| reamer for medullary cave 26 cm, 8 mm                                | 1    |
| tray for gliding nails                                               | 1    |
| Container perforated lid, unperforated bottom 580x280x100 mm, silver | 1    |

Weitere Kataloge und Prospekte  
Other catalogues and prospects

Hauptkatalog Chirurgische Instrumente  
General catalog Surgical Instruments

Titan Instrumente  
Titanium Instruments

Container Steriltechnik  
Container Sterilization Technique

HERCULES Drahtkneifzange  
HERCULES Wire Cutters

Neurochirurgie  
Neuro Surgery

Laparoskopie  
Laparoscopy



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