

Knochenchirurgie-Instrumente
Bone Surgery Instruments
Instrumentation pour la Chirurgie Osseuse
Instrumental para la cirugía ósea



Amputations-und resektions sagen
 Amputating and resection saws
 Scies a amputation et a resection
 Sierras para amputacion y reseccion



Charrière

27.3400-00
 35,0 cm/14"

Ersatzsägeblatt
 Spare saw blade
 Lame scie de rechange
 Hoja de sierra de repuesto

27.3400-12 12 mm
 27.3400-15 15 mm
 27.3400-18 18 mm



Satterlee

27.3401-00
 29,0 cm/11½"

Ersatzsägeblatt
 Spare saw blade
 Lame scie de rechange
 Hoja de sierra de repuesto

27.3401-20

27



Langenbeck

27.3402
 23,0 cm/9"



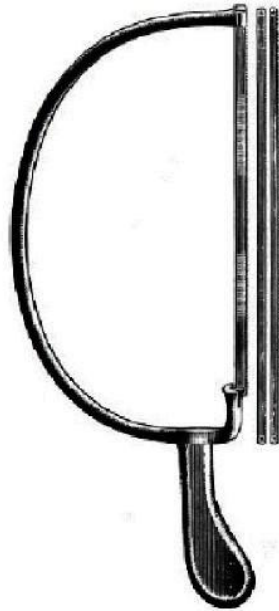
Charrière

27.3403-27 27,0 cm/10½"
 27.3403-30 30,0 cm/12"
 27.3403-34 34,0 cm/13½"

Ersatzsägeblatt
 Spare saw blade
 Lame scie de rechange
 Hoja de sierra de repuesto

27.3403-65 15 cm
 27.3403-70 20 cm
 27.3403-75 25 cm

Amputations-und resektions sagen
 Amputating and resection saws
 Scies a amputation et a resection
 Sierras para amputacion y reseccion

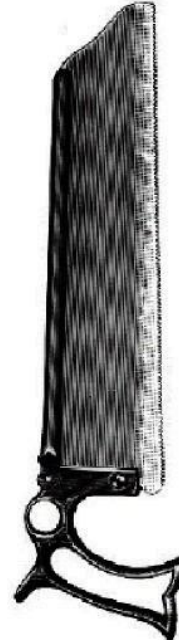


Helfferich-Bier

27.3404-00
 39,0 cm/15½"

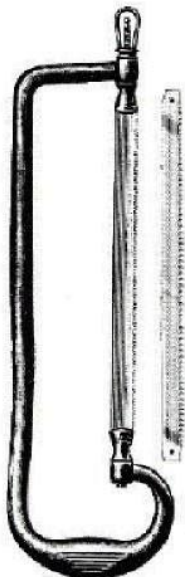
Ersatzsägeblatt
 Spare saw blade
 Lame scie de rechange
 Hoja de sierra de repuesto

27.3404-65 5mm
 27.3404-66 6mm
 27.3404-68 8mm



Weiss

27.3405-35
 35,0 cm/14"



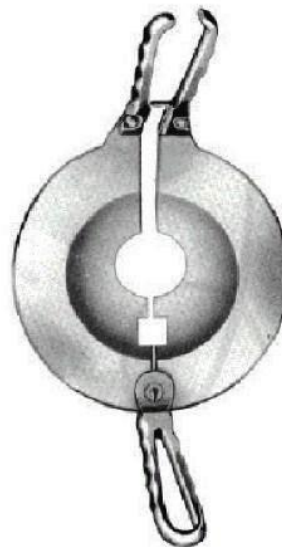
Rust

27.3406-00
 24,0 cm/9½"

komplett mit je 1 Sägeblatt
 12 und 18 mm
 complete with saw blade
 12 and 18 mm
 complet avec lame de scie
 12 et 18 mm
 completo con hoja de sierra
 12 y 18 mm

Ersatzsägeblatt
 Spare saw blade
 Lame scie de rechange
 Hoja de sierra de repuesto

27.3406-06 6mm
 27.3406-08 8mm
 27.3406-12 12mm
 27.3406-15 15mm
 27.3406-18 18mm



Percy

27.3407-00
 Amputations-Retractor
 Amputating retractor
 Rétracteur à amputation
 Retractor para amputación

Bohrinstrumente, pfieme
 Bone drills, reamers
 Instruments a perforer, alenes
 Instrumental para perforar, escariadores



14,0 cm/5½"
 27.3410-14

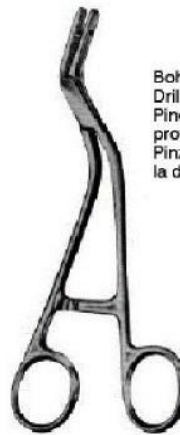


14,0 cm/5½"
 27.3411-14

27



Perthes
 27.3412-01 18,0 cm/7"
 27.3412-02 21,0 cm/8¼"



Adson
 27.3413-15
 15,0 cm/6"

Bohrer-, Führungs- und Dura-Schutzzange
 Drill guide and dura protecting forceps
 Pince-guide pour des perforateurs et pour
 protéger la dure-mère
 Pinza-guia para taladros y para proteger
 la dura-madre

Schraubendreher	Gewindeschneider
Screw drivers	Taps with cross handle
Toume-vis	Tarauds avec manche transversal
Destornilloadores	Terrajas con mango transversal



Gewindeschneider mit Quergriff
Tap with cross handle
Taraud avec manche transversal
Terraja con mango transversal



Lane

Ø

27.3420-25
27.3420-35

2,5 mm
3,5 mm

27.3421-25
25,0 cm/10"

27.3422-25
25,0 cm/10"

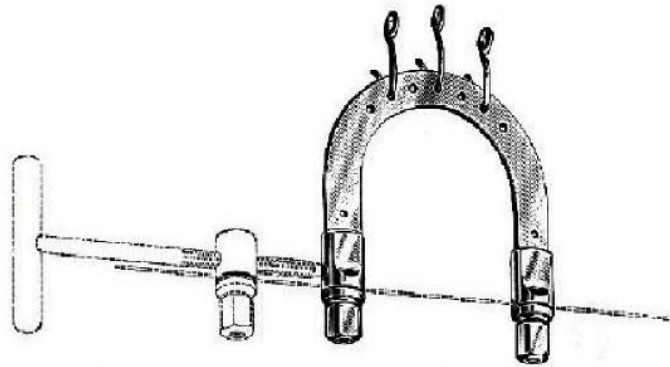
27.3428-25
27.3428-27
27.3428-30
27.3428-35
27.3428-36
27.3428-40
27.3428-45
27.3428-65

2,5 mm
2,7 mm
3,0 mm
3,5 mm
3,6 mm
4,0 mm
4,5 mm
6,5 mm

14,0 cm/5½"
14,0 cm/5½"
16,0 cm/6½"
16,0 cm/6½"
16,0 cm/6½"
18,0 cm/7¼"
18,0 cm/7¼"
22,0 cm/9"

27

Extensions bugel
 Extension bows
 Etriers a extension
 Estribos para extension



mit 3 Zughaken
 with 3 traction hooks
 avec 3 crochets de traction
 con 3 ganchos de tracción

Kirschner

27.3430-01	9,5 x 7,0 cm
27.3430-02	10,5 x 10,5 cm
27.3430-03	12,0 x 12,0 cm
27.3430-04	15,5 x 15,5 cm
27.3430-05	20,0 x 15,5 cm

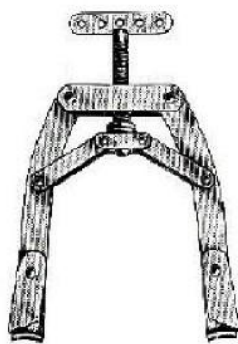
lichte Weite
 clear width
 largeur ouverte
 anchura interior



lichte Weite
 clear width
 largeur ouverte
 anchura interior

27.3431-01	18,0 x 10,0
27.3431-02	27,0 x 16,0

27



**Kirschner
 (amerikanisches Modell)**

27.3432-01	27.3432-02
kleines Modell	großes Modell
small pattern	large pattern
petit modèle	modèle grand
modelo pequeño	modelo grande

mit 3 Zughaken
 with 3 traction hooks
 avec 3 crochets de traction
 con 3 ganchos de tracción

Spannschlüssel
 Wire strainer
 Tendeur de broches
 Tensor de taladros

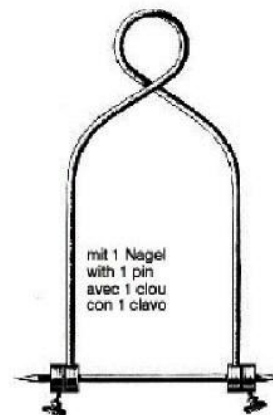


27.3433-18

Mutterenschlüssel
 Screw nut wrench
 Clé de serrage
 Llave de tuercas



27.3433-19



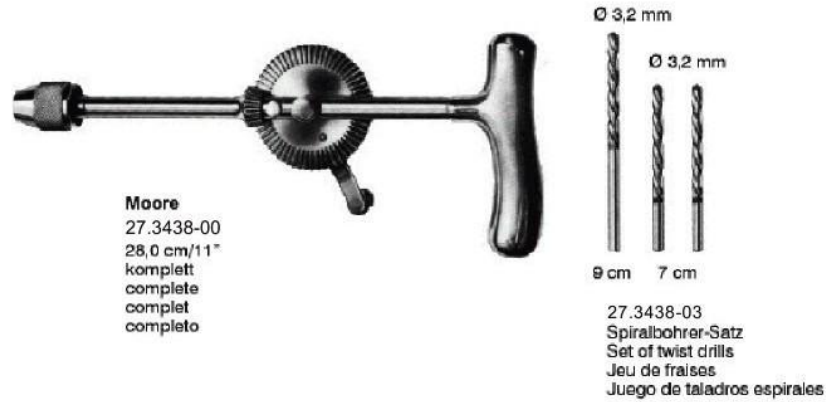
mit 1 Nagel
 with 1 pin
 avec 1 clou
 con 1 clavo

Böhler

27.3434-01	16,0 x 9,0
27.3434-02	21,0 x 11,0

lichte Weite
 clear width
 largeur ouverte
 anchura interior

Handbohrapparate
Hand bone drills
Perforateurs a main
Perforadores con manivela



Handbohrapparate
Hand bone drills
Perforateurs a main
Perforadores con manivela



Ralk
27.3441-00



27.3441-01
Schlüssel, allein
Wrench, only
Clé, seule
Llave, suelta

27



Smedberg
27.3442-00



27.3442-01
Schlüssel, allein
Wrench, only
Clé, seule
Llave, suelta

Handbohrapparate
Hand bone drills
Perforateurs a main
Perforadores con manivela



27.3443-27
Griff, allein
Handle, only
Manche, seul
Mango, suelto

Hudson
27,0 cm/10½"

- 27.3443-00
- komplett mit Fräsern Fig. 1-4 und Verlängerungsstück Fig. 9
 - complete with 4 burrs. fig. 1-4 and extension piece fig. 9
 - complet avec 4 fraises, fig. 1-4 et pièce de rallonge fig. 9
 - completo con 4 fresas fig. 1-4 y pieza de prolongación fig. 9



Hudson
Fig. 1
27.3443-01
Ø 9 mm



Hudson
Fig. 2
27.3443-02
Ø 14 mm



Hudson
Fig. 3
27.3443-03
Ø 16 mm



Hudson
Fig. 4
27.3443-04
Ø 22 mm



Hudson
Fig. 9
27.3443-09
Verlängerungsstück
Extension piece
Pièce de rallonge
Pieza de prolongación



Cuching
Fig. 5
27.3443-05
Ø 14 mm



Adson
Fig. 6
27.3443-06
Ø 2 mm

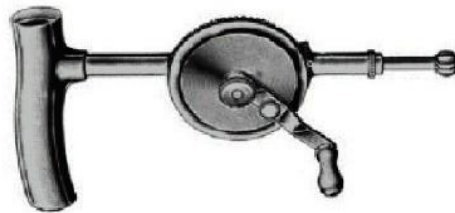


McKenzie
Fig. 7
27.3443-07
Ø 13 mm



Errico
Fig. 8
27.3443-08
Ø 16 mm

Handbohrapparate
 Hand bone drills
 Perforateurs a main
 Perforadores con manivela



Stille
 20,0 cm/8"

27.3444-00
 komplett mit Fräsern Fig. 1-9
 complete with burrs fig. 1-9
 complet avec fraises fig. 1-9
 completo con fresas fig. 1-9



Fig. 1
 27.3444-01
 Ø 2,5 mm



Fig. 2
 27.3444-02
 Ø 3,0 mm



Fig. 3
 27.3444-03
 Ø 3,5 mm



Fig. 4
 27.3444-04
 Ø 4,0 mm



Fig. 5
 27.3444-05
 Ø 10 mm



Fig. 6
 27.3444-06
 Ø 5,0 mm

27



Fig. 7
 27.3444-07
 Ø 8,0 mm



Fig. 8
 27.3444-08
 Ø 12,0 mm



Fig. 9
 27.3444-09
 Ø 16,0 mm



Fig. 10
 27.3444-10
 Ø 1,0 mm



Fig. 11
 27.3444-11
 Ø 1,5 mm



Fig. 12
 27.3444-12
 Ø 2,0 mm

Flachzagen
Flat nose pliers
Pincas plates
Alicates planos



17,0 cm/6¾"



27.3450-01



27.3450-02



27.3451-19
19,0 cm/7½"



spitz
sharp
pointu
agudo

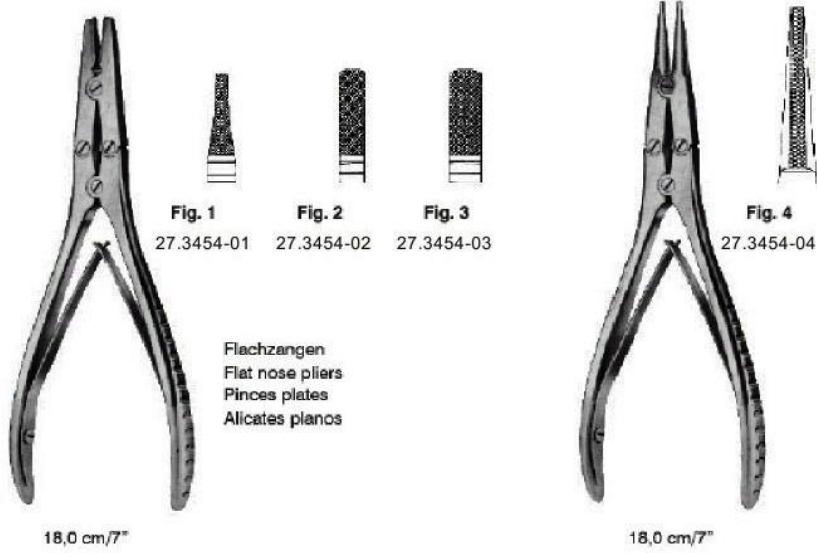
27.3452-14
14,0 cm/5½"



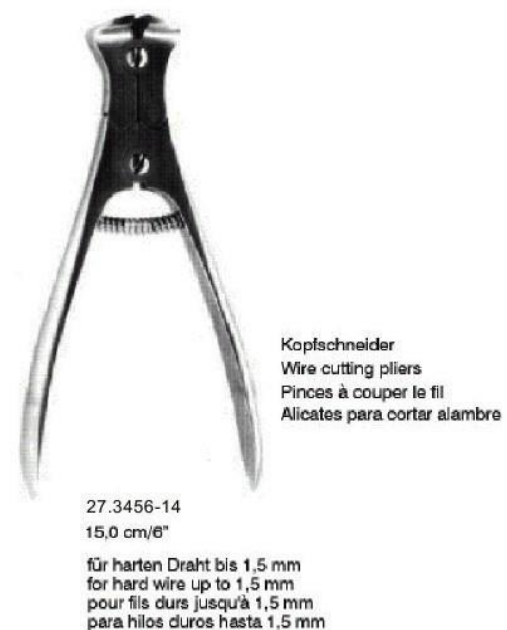
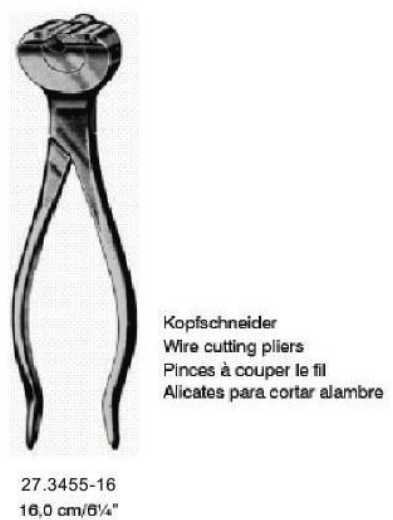
stumpf
blunt
mousse
romo

27.3453-14
14,0 cm/5½"

Draht zagen
 Wire cutting pliers
 Pincas a fils
 Alicates para cortar alambre



27



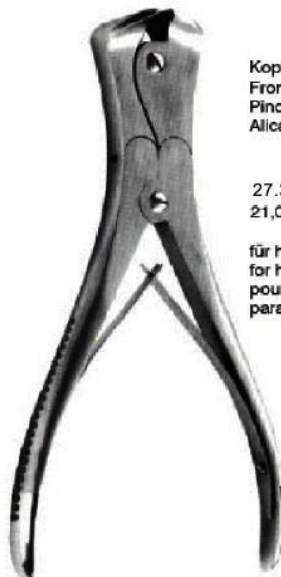
Draht zagen
Wire cutting pliers
Pincas a fils
Alicates para cortar alambre



Seitenschneider
Lateral wire cutter
Pince à couper le fil à tranchant latéral
Alicates para cortar alambre con corte lateral

27.3457-23
23,0 cm/9"

für harten Draht bis 2,2 mm
for hard wire up to 2,2 mm
pour fils durs jusqu'à 2,2 mm
para hilos duros hasta 2,2 mm



Kopfschneider
Frontal wire cutting pliers
Pince à couper le fil à tranchant frontal
Alicates para cortar alambre con corte frontal

27.3458-21
21,0 cm/8¼"

für harten Draht bis 2,5 mm
for hard wire up to 2,5 mm
pour fils durs jusqu'à 2,5 mm
para hilos duros hasta 2,5 mm



Bolzenschneider
Wire cutting pliers
Pince à couper le fil
Alicates para cortar alambre

27.3459-45	27.3459-56
45,0 cm/18"	56,0 cm/22½"

für Draht bis	6,0 mm	7,5 mm
for wire up to	6,0 mm	7,5 mm
pour fils jusqu'à	6,0 mm	7,5 mm
para hilos hasta	6,0 mm	7,5 mm

27.3459-90
Ersatzbacken allein
Cutting parts only
Pièces coupantes seules

27

Meissel und osteotome
 Bone chisels and gouges
 Ciseaux-burins, gouges
 Cinceles, gubias

Osteotome
 Osteotomes
 Osteotomos



13,5 cm/5 1/4"

- 27.3460-03 3mm
- 27.3460-04 4mm
- 27.3460-05 5mm
- 27.3460-06 6mm
- 27.3460-08 8mm
- 27.3460-10 10mm
- 27.3460-12 12mm
- 27.3460-14 14mm
- 27.3460-16 16mm

Flachmeissel
 Bone chisels
 Ciseaux-burins
 Cinceles



13,5 cm/5 1/4"

- 27.3461-04 4mm
- 27.3461-06 6mm
- 27.3461-08 8mm
- 27.3461-10 10mm
- 27.3461-12 12mm
- 27.3461-14 14mm
- 27.3461-16 16mm

Hohlmeissel
 Gouges
 Gouges
 Gubias

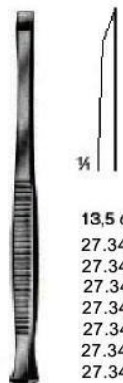


13,5 cm/5 1/4"

- 27.3462-03 3mm
- 27.3462-04 4mm
- 27.3462-05 5mm
- 27.3462-06 6mm
- 27.3462-08 8mm
- 27.3462-10 10mm
- 27.3462-12 12mm
- 27.3462-14 14mm
- 27.3462-16 16mm

27

Flachmeissel
 Bone chisels
 Ciseaux-burins
 Cinceles



13,5 cm/5 1/4"

- 27.3463-02 2mm
- 27.3463-03 3mm
- 27.3463-04 4mm
- 27.3463-05 5mm
- 27.3463-06 6mm
- 27.3463-07 7mm
- 27.3463-08 8mm

Partsch



17,0 cm/6 3/4"

- 27.3464-02 2mm
- 27.3464-03 3mm
- 27.3464-04 4mm
- 27.3464-05 5mm
- 27.3464-06 6mm
- 27.3464-07 7mm
- 27.3464-08 8mm

Hohlmeissel
 Gouges
 Gouges
 Gubias



13,5 cm/5 1/4"

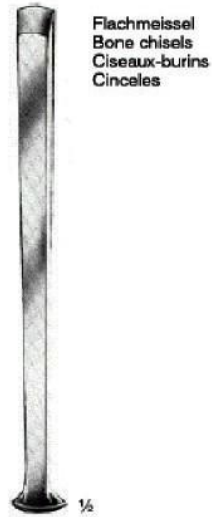
- 27.3465-02 2mm
- 27.3465-03 3mm
- 27.3465-04 4mm
- 27.3465-05 5mm
- 27.3465-06 6mm
- 27.3465-07 7mm
- 27.3465-08 8mm

Partsch

17,0 cm/6 3/4"

- 27.3466-02 2mm
- 27.3466-03 3mm
- 27.3466-04 4mm
- 27.3466-05 5mm
- 27.3466-06 6mm
- 27.3466-07 7mm
- 27.3466-08 8mm

Meissel und osteotome
 Bone chisels and gouges
 Ciseaux-burins, gouges
 Cinceles, gubias



Flachmeissel
 Bone chisels
 Ciseaux-burins
 Cinceles

Alexander
 18,0 cm/7"

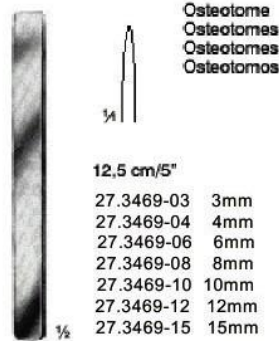
- 27.3467-04 4mm
- 27.3467-06 6mm
- 27.3467-08 8mm
- 27.3467-10 10mm
- 27.3467-12 12mm
- 27.3467-14 14mm



Hohlmeissel
 Gouges
 Gouges
 Gubias

Alexander
 18,0 cm/7"

- 27.3468-04 4mm
- 27.3468-06 6mm
- 27.3468-08 8mm
- 27.3468-10 10mm
- 27.3468-12 12mm
- 27.3468-14 14mm

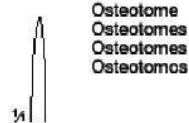


Osteotome
 Osteotomes
 Osteotomes
 Osteotomos

12,5 cm/5"

- 27.3469-03 3mm
- 27.3469-04 4mm
- 27.3469-06 6mm
- 27.3469-08 8mm
- 27.3469-10 10mm
- 27.3469-12 12mm
- 27.3469-15 15mm

Mini-Lambotte



Osteotome
 Osteotomes
 Osteotomes
 Osteotomos

17,0 cm/6¾"

- 27.3470-03 3mm
- 27.3470-04 4mm
- 27.3470-06 6mm
- 27.3470-08 8mm
- 27.3470-10 10mm
- 27.3470-12 12mm
- 27.3470-15 15mm

Meissel und osteotome
 Bone chisels and gouges
 Ciseaux-burins, gouges
 Cinceles, gubias



Osteotome, gerade
 Osteotomes, straight
 Osteotomes, droits
 Osteotomos, rectos

- 27.3471-08 8mm
- 27.3471-10 10mm
- 27.3471-13 13mm
- 27.3471-15 15mm
- 27.3471-20 20mm
- 27.3471-25 25mm
- 27.3471-30 30mm
- 27.3471-38 38mm
- 27.3471-44 44mm
- 27.3471-50 50mm

1/2

Lambotte
 24,0 cm/9 1/4"



Osteotome, gebogen
 Osteotomes, curved
 Osteotomes, courbes
 Osteotomos, curvos

- 27.3472-08 8mm
- 27.3472-10 10mm
- 27.3472-13 13mm
- 27.3472-15 15mm
- 27.3472-20 20mm
- 27.3472-25 25mm
- 27.3472-30 30mm
- 27.3472-38 38mm
- 27.3472-44 44mm
- 27.3472-50 50mm

1/2

Lambotte
 23,0 cm/9"

27



Flachmeissel
 Bone chisels
 Ciseaux-burins
 Cinceles

- 27.3473-04 4mm
- 27.3473-06 6mm

1/2

Lucas
 16,0 cm/6 1/4"



Hohlmeissel
 Gouges
 Gouges
 Gubias

- 27.3473-03 3mm
- 27.3473-05 5mm

1/2

Lucas
 16,0 cm/6 1/4"

Meissel und osteotome
Bone chisels and gouges
Ciseaux-burins, gouges
Cinceles, gubias



Osteotome
Osteotomes
Osteotomos
Osteotomos

- 27.3476-04 4mm
- 27.3476-06 6mm
- 27.3476-08 8mm
- 27.3476-10 10mm
- 27.3476-12 12mm
- 27.3476-15 15mm

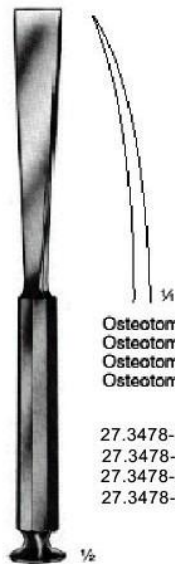
Stille
16,0 cm/6 1/4"



Hohlmeissel
Gouges
Gouges
Gubias

- 27.3477-06 6mm
- 27.3477-08 8mm
- 27.3477-10 10mm
- 27.3477-12 12mm
- 27.3477-15 15mm

Stille
16,0 cm/6 1/4"



Osteotome, gebogen
Osteotomes, curved
Osteotomos, courbes
Osteotomos, curvos

- 27.3478-10 10mm
- 27.3478-15 15mm
- 27.3478-20 20mm
- 27.3478-25 25mm

Stille
20,0 cm/8"



Flachmeissel
Bone chisels
Ciseaux-burins
Cinceles

- 27.3479-06 6mm
- 27.3479-08 8mm
- 27.3479-10 10mm
- 27.3479-12 12mm
- 27.3479-15 15mm
- 27.3479-20 20mm
- 27.3479-25 25mm
- 27.3479-30 30mm

Stille
20,0 cm/8"

Meissel und osteotome
 Bone chisels and gouges
 Ciseaux-burins, gouges
 Cinceles, gubias



Osteotome
 Osteotomes
 Osteotomos
 Osteotomos

- 27.3480-06 6mm
- 27.3480-08 8mm
- 27.3480-10 10mm
- 27.3480-12 12mm
- 27.3480-15 15mm
- 27.3480-20 20mm
- 27.3480-25 25mm
- 27.3480-30 30mm

Stille
 20,0 cm/8"



Hohlmeissel
 Gouges
 Gubias
 Gubias

- 27.3481-06 6mm
- 27.3481-08 8mm
- 27.3481-10 10mm
- 27.3481-12 12mm
- 27.3481-15 15mm
- 27.3481-20 20mm
- 27.3481-25 25mm
- 27.3481-30 30mm

Stille
 20,0 cm/8"

27



Osteotome, gerade
 Osteotomes, straight
 Osteotomes, droits
 Osteotomos, rectos

- 27.3482-06 6mm
- 27.3482-09 9mm
- 27.3482-13 13mm
- 27.3482-16 16mm
- 27.3482-19 19mm
- 27.3482-25 25mm
- 27.3482-32 32mm

Smith-Petersen
 20,0 cm/8"



Osteotome, gebogen
 Osteotomes, curved
 Osteotomes, courbes
 Osteotomos, curvos

- 27.3483-06 6mm
- 27.3483-09 9mm
- 27.3483-13 13mm
- 27.3483-16 16mm
- 27.3483-19 19mm
- 27.3483-25 25mm
- 27.3483-32 32mm

Smith-Petersen
 20,0 cm/8"

Meissel und osteotome
 Bone chisels and gouges
 Ciseaux-burins, gouges
 Cinceles, gubias



Hohlmeissel, gerade
 Bone chisels, straight
 Ciseaux-burins, droits
 Cinceles, rectos

- 27.3484-06 6mm
- 27.3484-09 9mm
- 27.3484-13 13mm
- 27.3484-16 16mm
- 27.3484-19 19mm
- 27.3484-25 25mm
- 27.3484-32 32mm

Smith-Petersen
 20,0 cm/8"



Hohlmeissel, gebogen
 Bone chisels, curved
 Ciseaux-burins, courbes
 Cinceles, curvos

- 27.3485-06 6mm
- 27.3485-09 9mm
- 27.3485-13 13mm
- 27.3485-16 16mm
- 27.3485-19 19mm
- 27.3485-25 25mm
- 27.3485-32 32mm

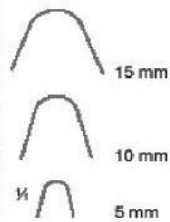
Smith-Petersen
 20,0 cm/8"



Hohlmeissel, gerade
 Bone chisels, straight
 Ciseaux-burins, droits
 Cinceles, rectos

- 27.3486-05 5mm
- 27.3486-10 10mm
- 27.3486-15 15mm

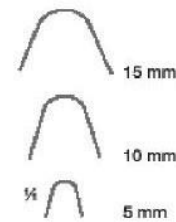
Lexer
 25,0 cm/10"



Hohlmeissel, gebogen
 Bone chisels, curved
 Ciseaux-burins, courbes
 Cinceles, curvos

- 27.3487-05 5mm
- 27.3487-10 10mm
- 27.3487-15 15mm

Lexer
 25,0 cm/10"

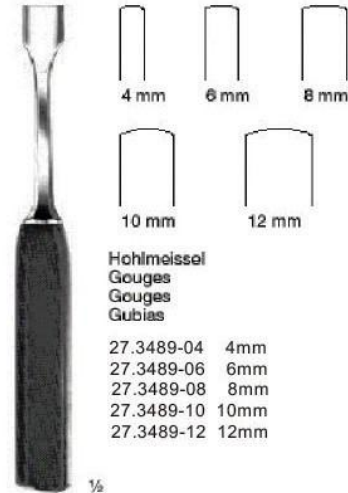


Meissel und osteotome
 Bone chisels and gouges
 Ciseaux-burins, gouges
 Cinceles, gubias



- Osteotome
 Osteotomes
 Osteotomes
 Osteotomos
- | | |
|------------|------|
| 27.3488-04 | 4mm |
| 27.3488-06 | 6mm |
| 27.3488-08 | 8mm |
| 27.3488-10 | 10mm |
| 27.3488-12 | 12mm |

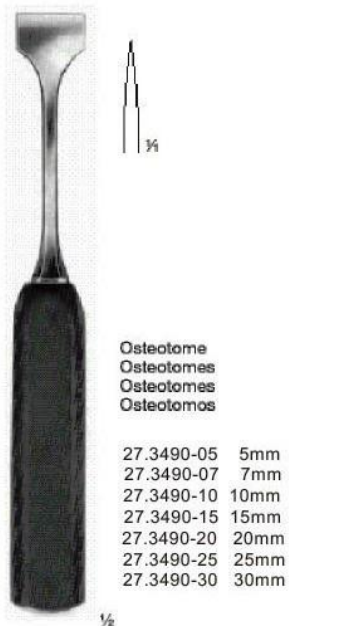
Mini-Lexer
18,0 cm/7"



- Hohlimeissel
 Gouges
 Gouges
 Gubias
- | | |
|------------|------|
| 27.3489-04 | 4mm |
| 27.3489-06 | 6mm |
| 27.3489-08 | 8mm |
| 27.3489-10 | 10mm |
| 27.3489-12 | 12mm |

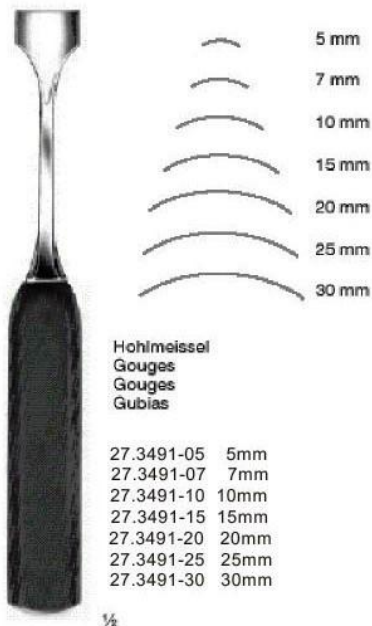
Mini-Lexer
18,0 cm/7"

27



- Osteotome
 Osteotomes
 Osteotomes
 Osteotomos
- | | |
|------------|------|
| 27.3490-05 | 5mm |
| 27.3490-07 | 7mm |
| 27.3490-10 | 10mm |
| 27.3490-15 | 15mm |
| 27.3490-20 | 20mm |
| 27.3490-25 | 25mm |
| 27.3490-30 | 30mm |

Lexer
22,0 cm/8 3/4"



- Hohlimeissel
 Gouges
 Gouges
 Gubias
- | | |
|------------|------|
| 27.3491-05 | 5mm |
| 27.3491-07 | 7mm |
| 27.3491-10 | 10mm |
| 27.3491-15 | 15mm |
| 27.3491-20 | 20mm |
| 27.3491-25 | 25mm |
| 27.3491-30 | 30mm |

Lexer
22,0 cm/8 3/4"

Meissel und osteotome
 Bone chisels and gouges
 Ciseaux-burins, gouges
 Cinceles, gubias

Osteotome, gerade
 Osteotomes, straight
 Osteotomes, droits
 Osteotomos, rectos



- 27.3492-03 3mm
- 27.3492-05 5mm
- 27.3492-06 6mm
- 27.3492-08 8mm
- 27.3492-09 9mm

Hoke
 17,0 cm/6 3/4"

Osteotome, gerade
 Osteotomes, straight
 Osteotomes, droits
 Osteotomos, rectos



- 27.3493-06 6mm
- 27.3493-13 13mm
- 27.3493-19 19mm
- 27.3493-25 25mm
- 27.3493-32 32mm

Hibbs
 24,0 cm/9 1/2"

Flachmeissel, gerade
 Bone chisels, straight
 Ciseaux-burins, droits
 Cinceles, rectos



- 27.3494-06 6mm
- 27.3494-13 13mm
- 27.3494-19 19mm
- 27.3494-25 25mm
- 27.3494-32 32mm

Hibbs
 24,0 cm/9 1/2"

Meissel und osteotome
 Bone chisels and gouges
 Ciseaux-burins, gouges
 Cinceles, gubias

Osteotome
 Osteotomes
 Osteotomos
 Osteotomos



- 27.3495-03 3mm
- 27.3495-05 5mm
- 27.3495-06 6mm
- 27.3495-08 8mm
- 27.3495-09 9mm

27

Hibbs
 24,0 cm/9 1/2"

Hohlmeissel
 Gouges
 Gouges
 Gubias



- 27.3496-06 6mm
- 27.3496-13 13mm
- 27.3496-19 19mm
- 27.3496-25 25mm
- 27.3496-32 32mm

Hibbs
 24,0 cm/9 1/2"

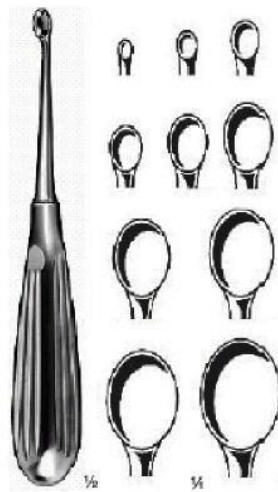
Hohlmeissel
 Gouges
 Gouges
 Gubias



- 27.3497-06 6mm
- 27.3497-13 13mm
- 27.3497-19 19mm
- 27.3497-25 25mm
- 27.3497-32 32mm

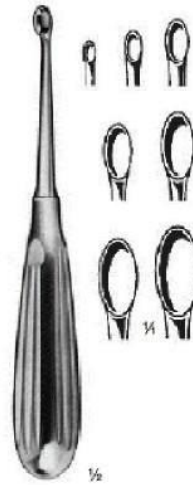
Hibbs
 24,0 cm/9 1/2"

Scharfe loffel
 Bone currettes
 Curettes tranchantes
 Cucharillas cortantes



Volkman
 17,0 cm/6¾"

	Fig.	mm
27.3500	0000	3,0
27.3501	000	4,0
27.3502	00	5,0
27.3503	0	6,0
27.3504	1	7,0
27.3505	2	8,0
27.3506	3	10,0
27.3507	4	11,6
27.3508	5	12,6
27.3509	6	13,8



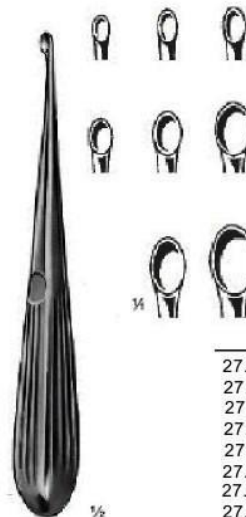
Schede
 17,0 cm/6¾"

	Fig.	mm
27.3510	000	3,0
27.3511	00	4,0
27.3512	0	5,0
27.3513	1	6,0
27.3514	2	6,5
27.3515	3	7,5
27.3516	4	8,5



Bruns
 17,0 cm/6¾"

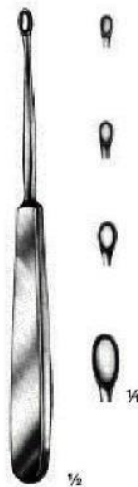
	Fig.	mm
27.3520	000	3,0
27.3521	00	4,0
27.3522	0	5,0
27.3523	1	6,0
27.3524	2	8,0
27.3525	3	10,0
27.3526	4	12,0
27.3527	5	13,0
27.3528	6	14,0



Spratt
 17,0 cm/6¾"

	Fig.	mm
27.3530	000	3,0
27.3531	00	4,0
27.3532	0	4,5
27.3533	1	5,0
27.3534	2	6,0
27.3535	3	7,0
27.3536	4	8,5
27.3537	5	9,5

Scharfe loffel
 Bone currettes
 Curettes tranchantes
 Cucharillas cortantes



Williger
 17,0 cm/6 3/4"

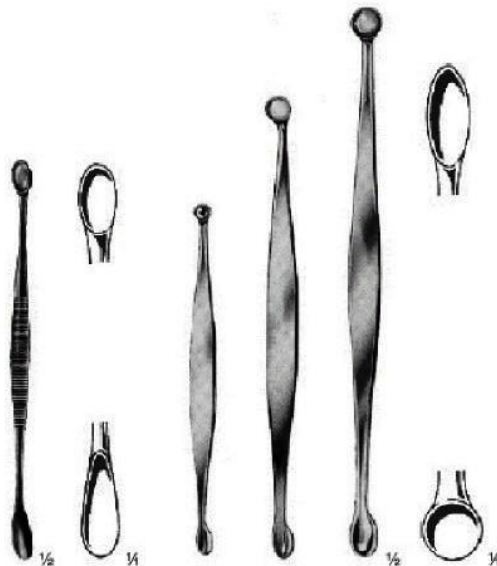
	Fig.	mm
27.3538-20	00	2,0
27.3538-10	0	2,5
27.3538-01	1	3,5
27.3538-02	2	5,0



Bruns
 23,0 cm/9"

	Fig.	mm
27.3540	000	2,0
27.3541	00	2,5
27.3542	0	3,3
27.3543	1	3,8
27.3544	2	4,8
27.3545	3	5,3
27.3546	4	6,0
27.3547	5	6,7
27.3548	6	7,3

27



Volkman

Volkman

27.3550 - 27.3552

27.3555 - 27.3557

Länge Length Longueur Largo cm in.	oval/oval oval/oval ovale/ovale ovalada/ovalada	oval/rund oval/round ovale/ronde ovalada/redonda
13,0 5	27.3548 7,5/6,3mm	27.3548 6,3/6,8mm
14,5 5 3/4	27.3548 6,8/5,8mm	
16,0 6 1/4		27.3548 7,0/9,0mm
17,0 6 3/4	27.3548 6,8/7,3mm	
20,0 8		27.3548 9,1/11,1mm

Scharfe loffel
 Bone curettes
 Curettes tranchantes
 Cucharillas cortantes



	Fig.
27.3561	0/00
27.3562	0/1
27.3563	1/2



	Fig.
27.3571	0/00
27.3572	0/1
27.3573	1/2

Scharfe loffel
 Bone curettes
 Curettes tranchantes
 Cucharillas cortantes



	Fig.	mm
27.3581-01	1	2,2
27.3581-02	2	2,8
27.3581-03	3	3,3
27.3581-04	4	3,7
27.3581-05	5	4,5
27.3581-06	6	4,8

Simon
 24,0 cm/9½"



	Fig.	mm
27.3582-20	00	2,8
27.3582-10	0	3,8
27.3582-01	1	5,0
27.3582-02	2	6,0

Daubenspeck
 20,0 cm/8"

27



	Fig.	mm
27.3583-30	000	3,6
27.3583-20	00	4,4
27.3583-10	0	5,2
27.3583-01	1	6,0

25,0 cm/10"



	Fig.	mm
27.3584-30	000	3,6
27.3584-20	00	4,4
27.3584-10	0	5,2
27.3584-01	1	6,0

25,0 cm/10"

Scharfe loffel
 Bone curettes
 Curettes tranchantes
 Cucharillas cortantes

	Fig.	mm
27.3585-00	0	5
27.3585-01	1	6
27.3585-02	2	6,5
27.3585-03	3	7
27.3585-04	4	8,5

Volkman
27,0 cm/10¾"

biegsam
flexible
malléable
maleable

	Fig.	mm
27.3591-01	1	4,8
27.3591-02	2	5,8
27.3591-03	3	6,8

Halle
21,0 cm/8¼"

	Fig.	mm
27.3594-01	1	1,7
27.3594-02	2	2,0
27.3594-03	3	2,4
27.3594-04	4	2,7
27.3594-05	5	3,0

Lempert
21,5 cm/8½"

Scharfe loffel
 Bone curettes
 Curettes tranchantes
 Cucharillas cortantes



gerade
 straight
 droit
 recta

Spinal
 20,0 cm/8"
Spratt
 23,0 cm/9"



gebogen
 curved
 courbe
 curva

Spinal
 20,0 cm/8"
Spratt
 23,0 cm/9"

27

	Fig.	¼	000	00	0	1	2	3	4	5	6
gerade straight droit recta											
20,0 cm/8"		27.3595	27.3595	27.3595	27.3595	27.3595	27.3595	27.3595	27.3595	27.3595	27.3595
		-30	-20	-10	-01	-02	-03	-04	-05	-06	-06
23,0cm		27.3596	27.3596	27.359	27.3596	27.3596	27.3596	27.3596	27.3596	27.3596	27.3596
		-30	-20	-10	-01	-02	-03	-04	-05	-06	-06
gebogen curved courbe curva											
20,0 cm/8"		27.3597	27.3597	27.3597	27.3597	27.3597	27.3597	27.3597	27.3597	27.3597	27.3597
		-30	-20	-10	-01	-02	-03	-04	-05	-06	-06
23,0cm		27.3598	27.3598	27.3598	27.3598	27.3598	27.3598	27.3598	27.3598	27.3598	27.3598
		-30	-20	-10	-01	-02	-03	-04	-05	-06	-06

Raspatorien
 Periosteal raspatories
 Rugines-raspatoires
 Legras-periostotomos



Langenbeck
 27.3600
 19,0 cm/7½"



Langenbeck
 27.3601
 18,0 cm/7"



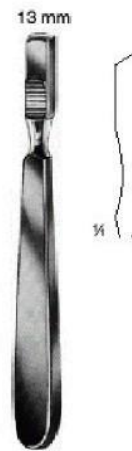
Sedillot
 27.3602
 21,0 cm/8¼"



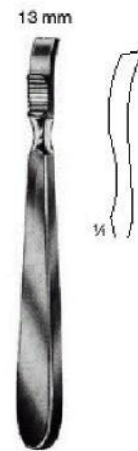
27.3603-01
 14,0 cm/5½"



27.3603-02
 14,0 cm/5½"



Farabeuf
 27.3604
 15,0 cm/6"



Farabeuf
 27.3605
 15,0 cm/6"

27

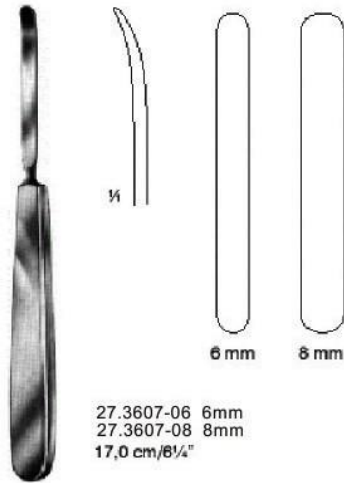
Raspatorien
 Periosteal raspatories
 Rugines-raspatoires
 Legras-periostotomos



10 mm
 15 mm
 20 mm
 25 mm

27.3606-10 10mm
 27.3606-15 15mm
 27.3606-20 20mm
 27.3406-25 25mm

Lambotte
 21,0 cm/8¼"



27.3607-06 6mm
 27.3607-08 8mm
 17,0 cm/8½"

27



Williger
 27.3608
 13,0 cm/5"

Williger
 27.3609
 16,0 cm/6¼"



Howarth
 27.3610
 21,5 cm/8½"



27.3611-08 27.3611-17



Wagner
 33,0 cm/13"

Raspatorien
 Periosteal raspatories
 Rugines-raspatoires
 Legras-periostotomos



Alexander
 27.3612
 20,0 cm/8"



Matson
 27.3613
 22,0 cm/8¾"

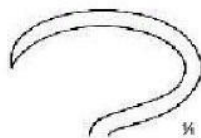


6 mm
 12 mm
 19 mm
 25 mm

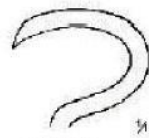
leicht gebogen
 slightly curved
 courbe légèrement
 curva ligeramente

27.3614-06 6mm
 27.3614-12 12mm
 27.3614-19 19mm
 27.3614-25 25mm

Key
 19,0 cm/7½"



27.3615



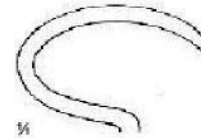
27.3617

rechts gebogen
 curved to the right
 courbe à droite
 curva a la derecha

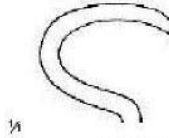


Doyen
 17,0 cm/6¾"

Doyen
 17,0 cm/6¾"



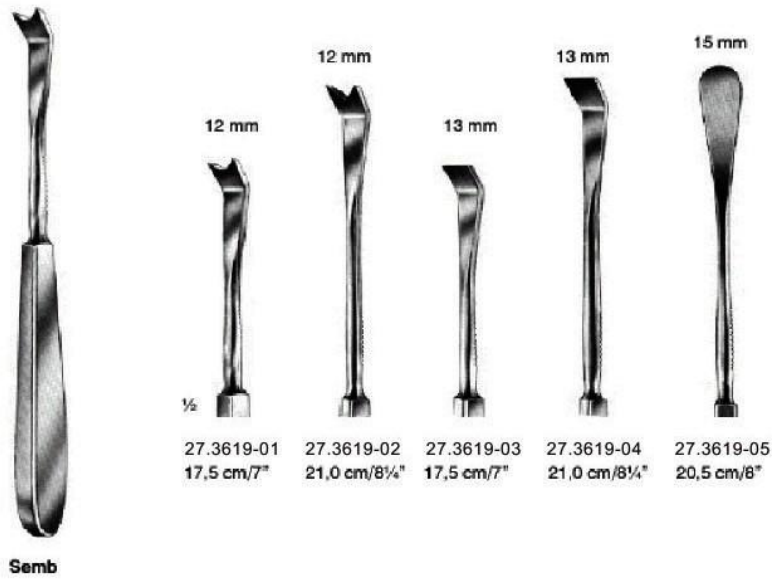
27.3616



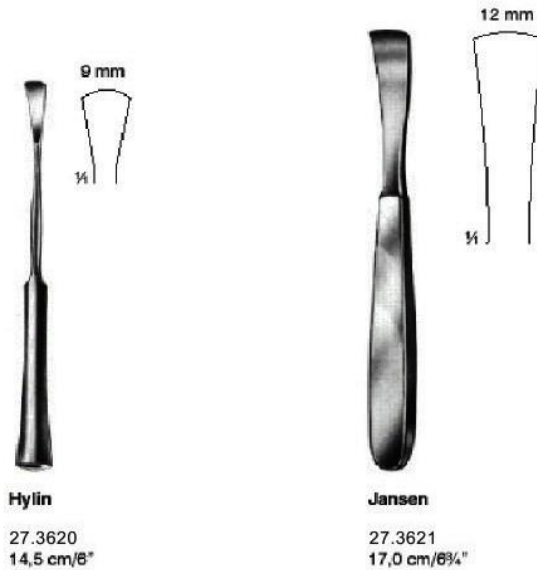
27.3618

links gebogen
 curved to the left
 courbe à gauche
 curva a la izquierda

Raspatorien
 Periosteal raspatories
 Rugines-raspatoires
 Legras-periostotomos



27



Raspatorien
 Periosteal raspatories
 Rugines-raspatoires
 Legras-periostotomos



27.3622-01
 20,0 cm/8"



27.3622-02
 20,0 cm/8"



27.3622-03
 20,0 cm/8"



27.3623
 18,0 cm/7"

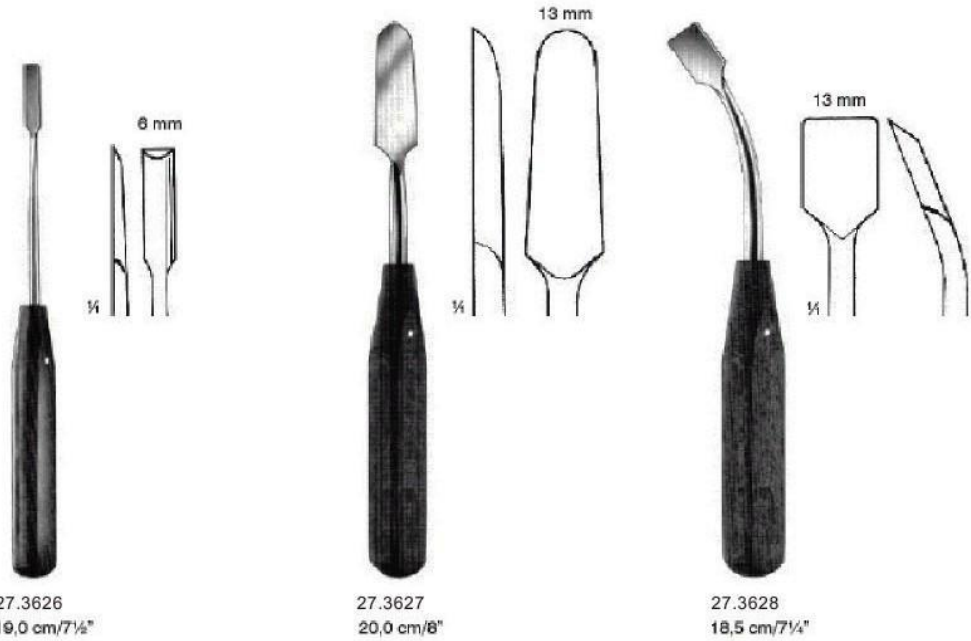


27.3624
 18,0 cm/7"

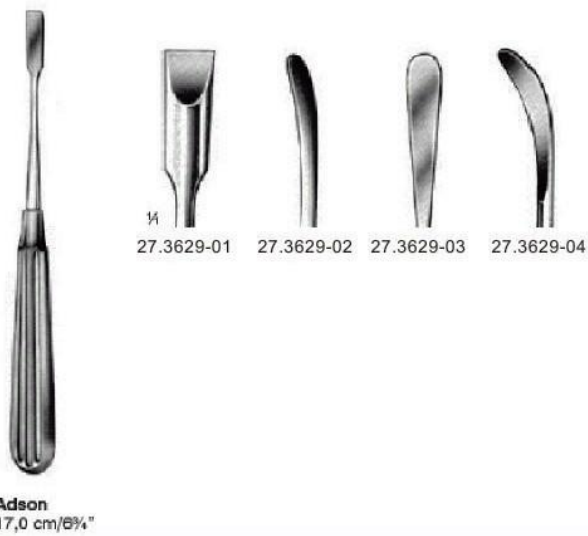


27.3625
 18,0 cm/7"

Raspatorien
 Periosteal raspatories
 Rugines-raspatoires
 Legras-periostotomos



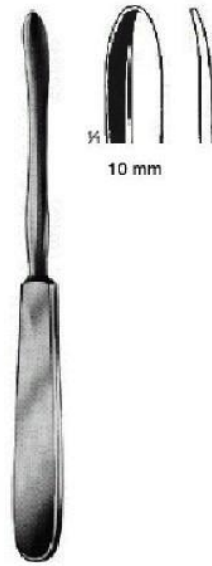
27



Elevatorii Raspatorii
 Elevators Periosteal raspatories
 Elevateurs Rugines-raspatoirs
 Elevadores Legras-periostotomos



Langenbeck
 27.3630
 20,0 cm/8"



Langenbeck
 27.3631
 20,0 cm/8"



Williger
 27.3632
 16,0 cm/6 1/4"



Williger
 27.3633
 17,0 cm/6 3/4"



Quervain
 27.3634-20
 19,5 cm/7 3/4"



McDonald
 27.3635
 19,0 cm/7 1/2"



Joseph
 27.3636
 16,5 cm/6 1/2"

Raspatorium
 Periosteal Raspatory
 Rugine-raspatoire
 Legra-Periostotomo

Schnen instrumente
Tendon instruments
Instruments pour les tendons
Instrumentos para tendones

Sehnenschäler
Tendon stripper
Instrument à écorcher
Enucleador de tendones



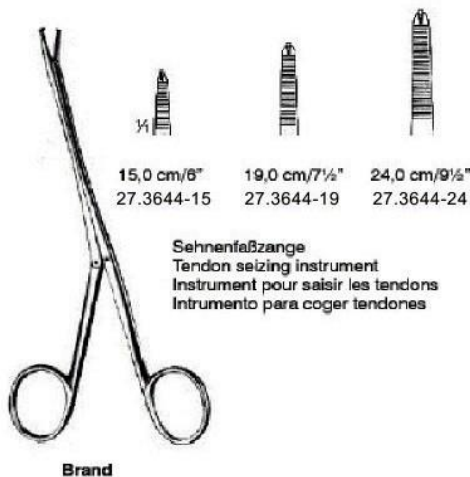
Bunnell
15,0 cm/6"



Sehnenführer
Tendon passing instrument
Instrument pour passer les tendons
Instrumento para el tunel del tendón

Bunnell
27.3642
23,0 cm/9"

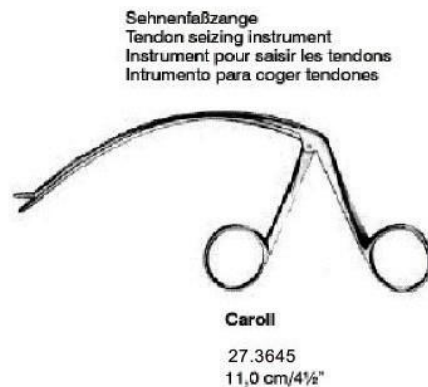
27



15,0 cm/6" 27.3644-15
19,0 cm/7½" 27.3644-19
24,0 cm/9½" 27.3644-24

Sehnenfaßzange
Tendon seizing instrument
Instrument pour saisir les tendons
Instrumento para coger tendones

Brand

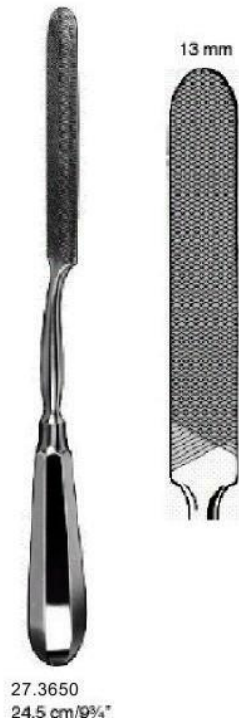
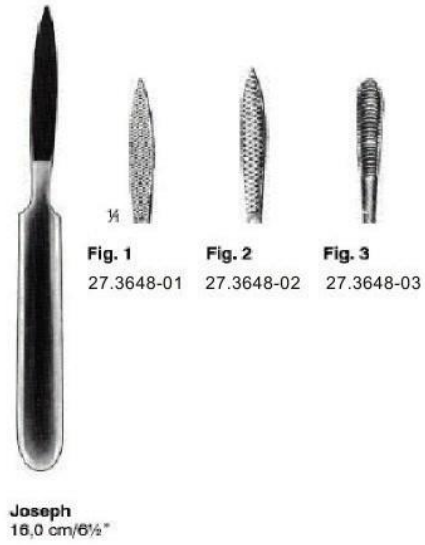
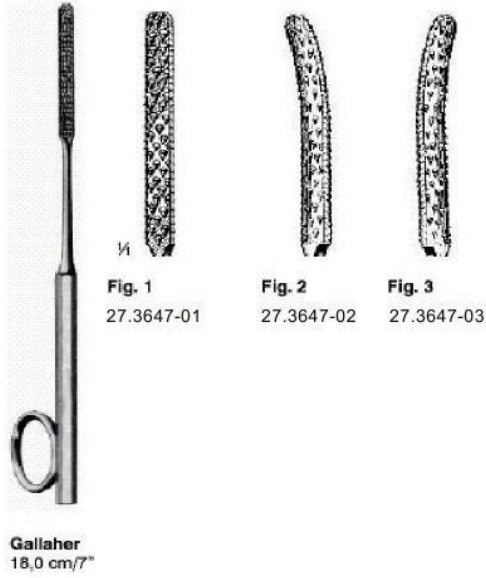


Sehnenfaßzange
Tendon seizing instrument
Instrument pour saisir les tendons
Instrumento para coger tendones

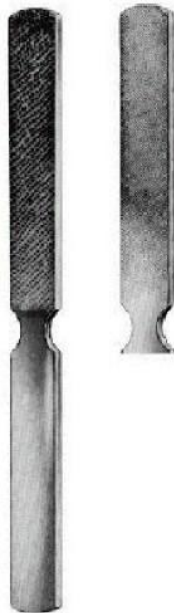
Caroll

27.3645
11,0 cm/4½"

Schnen instrumente
Tendon instruments
Instruments pour les tendons
Instrumentos para tendones



Knochenfeilen und-raspein
Bone files and rasps
Limes y rapas a os
Limas y rapas para huesos



27

27.3652
22,0 cm/8³/₄"

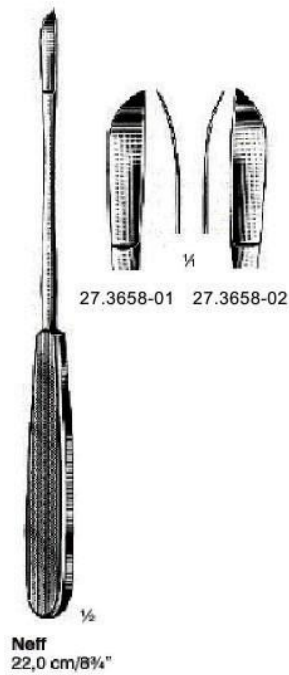
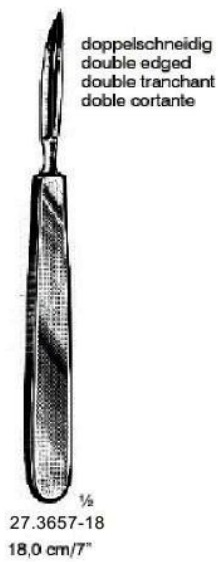


Putti
27.3653
30,0 cm/12"

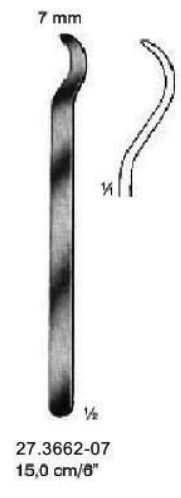
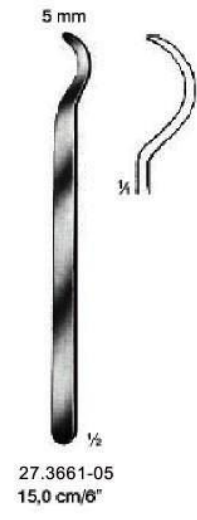


Putti
27.3654
27,0 cm/10¹/₂"

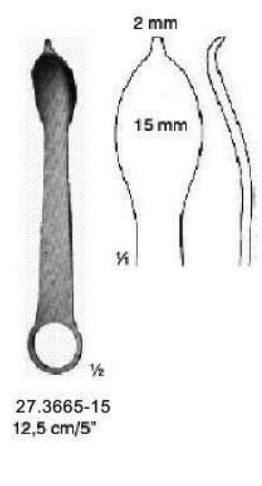
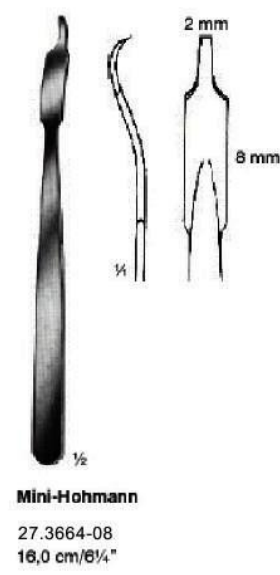
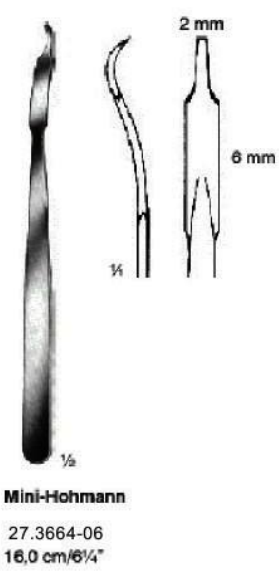
Knochenfeilen und-raspein
 Bone files and rasps
 Limes y rapas a os
 Limas y rapas para huesos



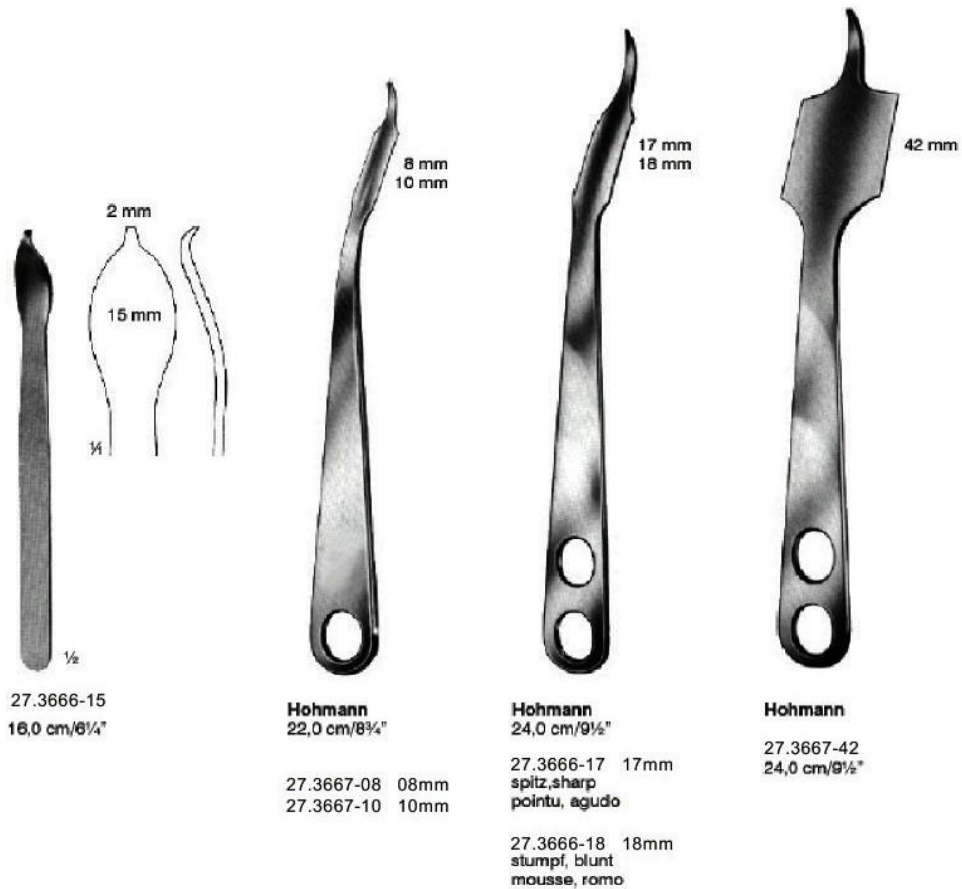
Knochen hebel
 Bone levers
 Leviers a os
 Elevadores para huesos



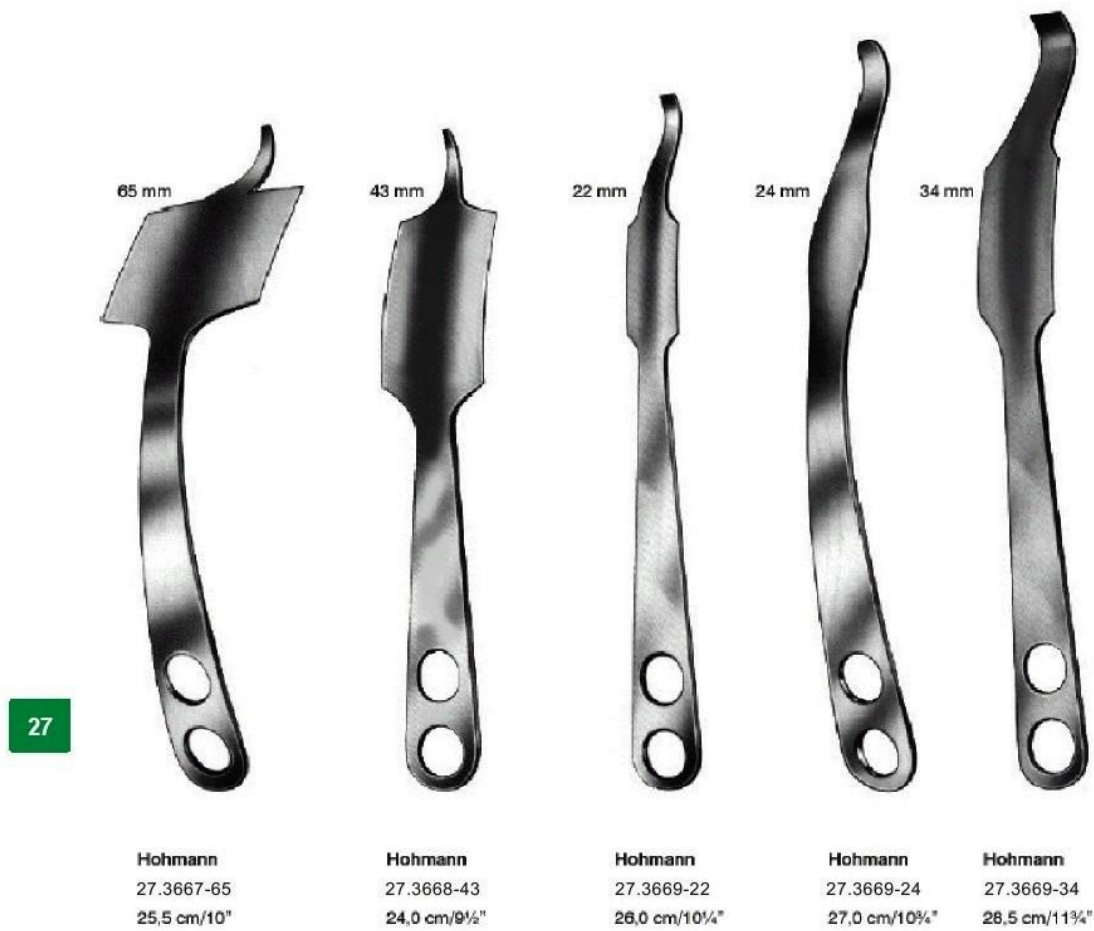
27



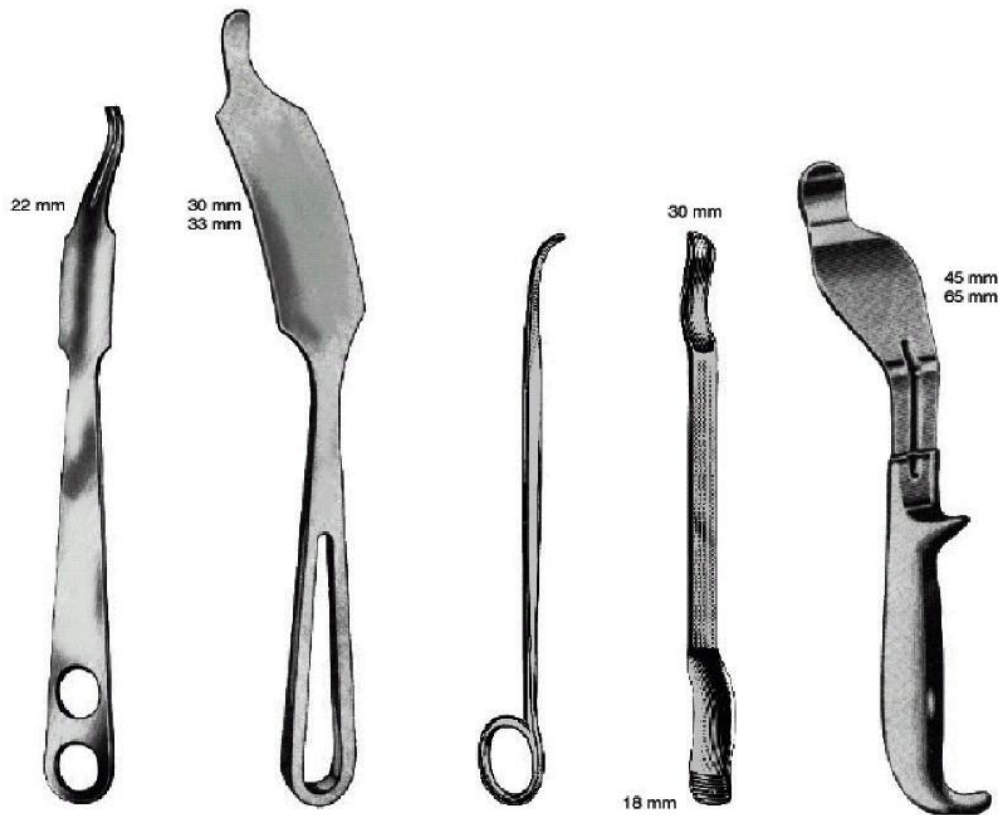
Knochen hebel
 Bone levers
 Leviers a os
 Elevadores para huesos



Knochen hebel
Bone levers
Leviers a os
Elevadores para huesos



Knochen hebel
 Bone levers
 Leviers a os
 Elevadores para huesos



Lange-Hohmann

27.3670-22
 25,0 cm/10"

Lange-Hohmann modif.

27.3671-30 30mm
 26,5 cm/10½"

27.3671-33 33mm
 28,0 cm/11 ½"

Lane

27.3673-21
 21,5 cm/8½"

Murphy-Lane

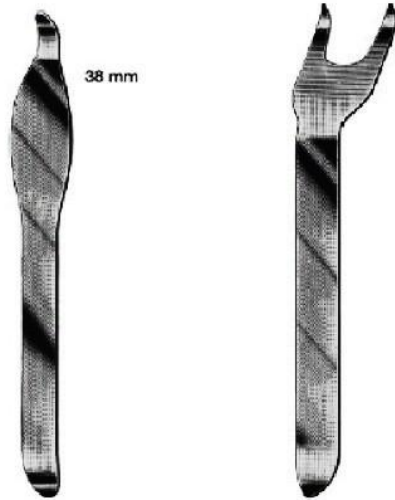
27.3674-34
 34,0 cm/13½"

Bennett

24,0 cm/9½"

27.3675-45 45mm
 27.3675-65 65mm

Knochen hebel Blei hande
 Bone levers Lead hands
 Leviers a os Main de plomb
 Elevadores para huesos Mano de plomo



Blount
 27.3676-01
 26,0 cm/10¼"

Blount
 27.3676-02
 26,0 cm/10¼"



Meniskushaken
 Meniscus retractors
 Ecarteurs pour le ménisque
 Separadores para menisco

Blount
 27.3677-18
 17,5 cm/7"

27



Spinalhaken
 Spinal retractors
 Ecarteurs spinaux
 Separadores espinales

Taylor
 16,5 cm/6½"

27.3678-07 75 x 30 mm
 27.3678-10 100 x 30 mm



Bleihände
 Lead hands
 Main de plomb
 Mano de plomo

27.3679-01
 für Kinder
 for children
 pour enfants
 para niños

27.3679-02
 für Erwachsene
 for adults
 pour adultes
 para adultos

Hammer
Mallets
Marteaux
Martillos y mazos



28 mmØ
340 g (12 oz.)

Williger

27.3680-28
24,0 cm/9½"



27.3681-25
25 mmØ
120 g (4¼ oz.)

27.3681-30
30 mmØ
180 g (6½ oz.)

27.3681-35
35 mmØ
280 g (9 oz.)

Doyen
21,0 cm/8¼"



30 mmØ
220 g (7¾ oz.)

Collin

27.3682-30
20,0 cm/8"



25 mmØ
280 g (9 oz.)

Lucae

27.3683-25
19,0 cm/7½"



20 mmØ
140 g (5 oz.)

bleigefüllt
lead filled
rempli de plomb
relleno de plomo

27.3684-01
16,5 cm/6½"



20 mmØ
140 g (5 oz.)

Messing massiv
solid brass
laiton solide
latón macizo

27.3684-02
16,5 cm/6½"

27

Hammer
Mallets
Marteaux
Martillos y mazos



Hammer
Mallets
Marteaux
Martillos y mazos



Hammer
Mallets
Marteaux
Martillos y mazos



Knochen halte zangen
 Bone holding forceps
 Davier a os
 Pinzas para huesos



27.3700-01
 gerade
 straight
 droite
 recta



20,0 cm/8"

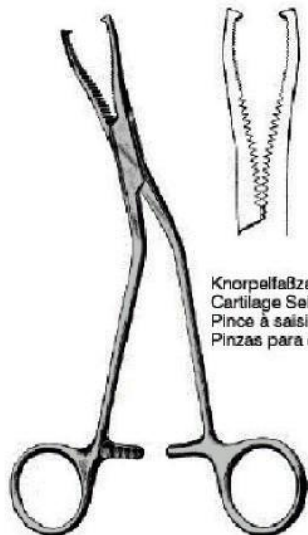


27.3700-02
 aufgebogen
 curved on flat
 courbe vers le haut
 curva sobre el plano



27.3701-14
 14,0 cm/5½"

Sequesterzangen
 Sequestum Forceps
 Pince à séquestre
 Pinza para secuestros



Knorpelabzange
 Cartilage Seizing Forceps
 Pince à saisir cartilages
 Pinzas para coger cartilagos

Dingmann

27.3702
 19,0 cm/7½"



27.3703
 12,0 cm/4¾"



Lewin

27.3704-17
 17,5 cm/7"

Knochen halte zangen
 Bone holding forceps
 Davier a os
 Pinzas para huesos



gerade
 straight
 droite
 recta

Bircher-Ganske

27.3705-01
 20,0cm



gebogen
 curved
 courbe
 curva

Bircher-Ganske

27.3705-02
 20,0cm

Knorpelzangen
 Cartilage Seizing Forceps
 Pince à saisir cartilages
 Pinzas para coger cartilagos

27



Setter

27.3706-16
 16,0 cm/6¼"
 27.3706-24
 24,0 cm/9½"



Semb

ohne Sperre
 without ratchet
 sans crémaillère
 19,0 cm/7½"
 sin cremallera



Semb

mit Sperre
 with ratchet
 avec crémaillère
 19,0 cm/7½"
 con cremallera

Knochen halte zangen
 Bone holding forceps
 Davier a os
 Pinzas para huesos



Van Buren
 27.3709
 23,0 cm/9"



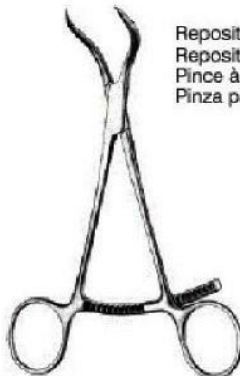
Langenbeck
 27.3710
 21,0 cm/8¼"



Farabeuf
 27.3711
 23,0 cm/9"
 27.3712
 26,0 cm/10¼"



Fergusson
 27.3713
 21,0 cm/8¼"



Repositionszange
 Reposition Forceps
 Pince à reduction
 Pinza para reposición

27.3714
 13,5 cm/5¼"

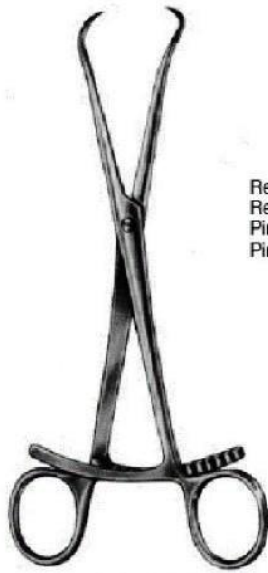


Farabeuf-Lambotte
 27.3715
 26,0 cm/10¼"
 mit Sperre
 with ratchet
 avec crémaillère
 con cremallera

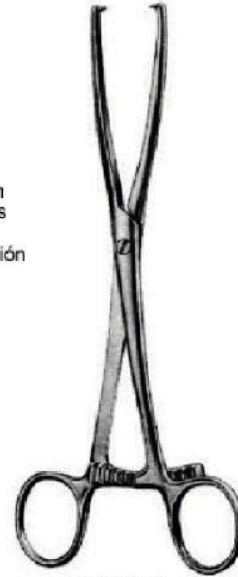
Knochen halte zangen
 Bone holding forceps
 Davier a os
 Pinzas para huesos



27.3716-20
20,0 cm/8"



27.3717-01
20,0 cm/8"



27.3717-02
21,0 cm/8 1/4"

Repositionszangen
 Reposition Forceps
 Pince à reduction
 Pinza para reposición

27

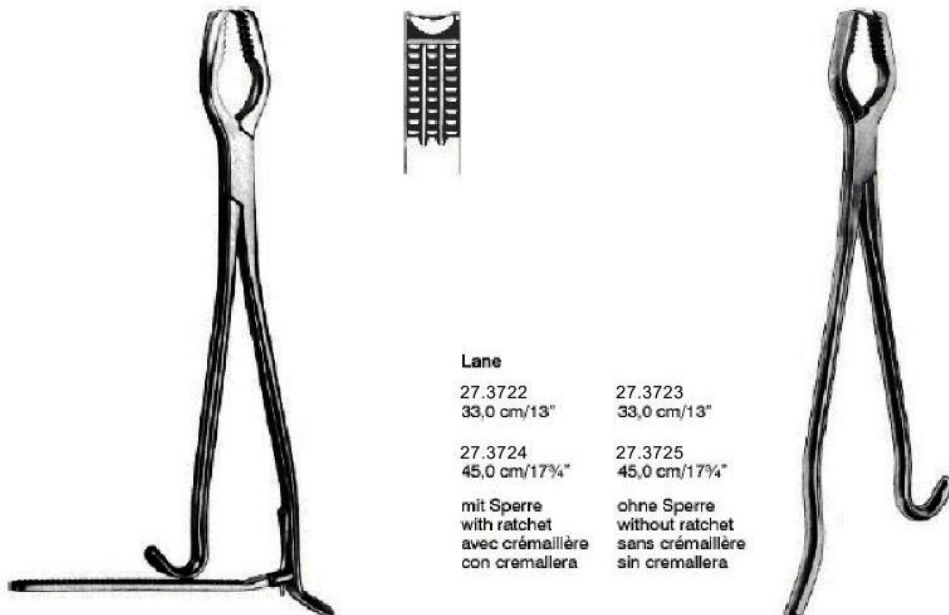
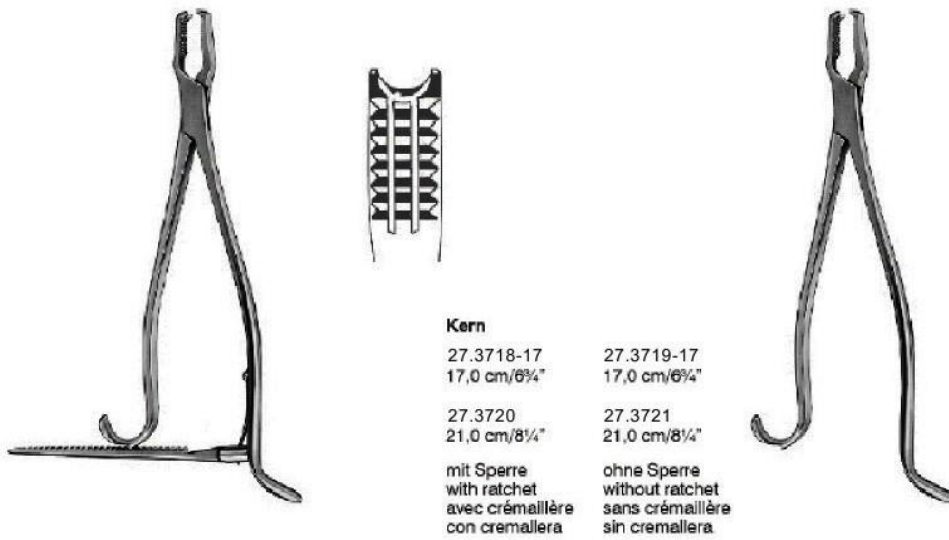


Baby-Kern

27.3718
15,0 cm/6"
mit Sperre
with ratchet
avec crémaillère
con cremallera

27.3719
15,0 cm/6"
ohne Sperre
without ratchet
sans crémaillère
sin cremallera

Knochen halte zangen
 Bone holding forceps
 Davier a os
 Pinzas para huesos



Knochen halte zangen
 Bone holding forceps
 Davier a os
 Pinzas para huesos



Verbrugge

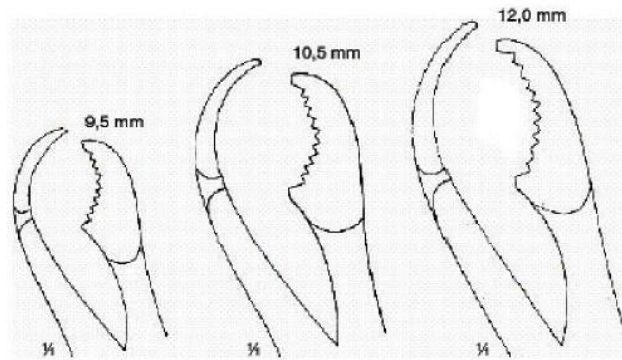


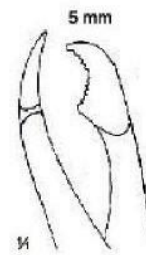
Fig. 1
 27.3736
 25,0 cm/10"

Fig. 2
 27.3737
 26,0 cm/10¼"

Fig. 3
 27.3738
 27,0 cm/10¾"



Verbrugge-Baby



27.3739
 17,5 cm/7"

Knochen halte zangen
 Bone holding forceps
 Davier a os
 Pinzas para huesos



Verbrugge

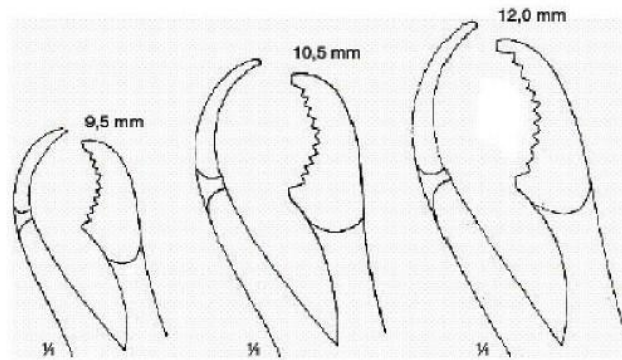


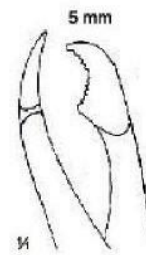
Fig. 1
 27.3736
 25,0 cm/10"

Fig. 2
 27.3737
 26,0 cm/10¼"

Fig. 3
 27.3738
 27,0 cm/10¾"

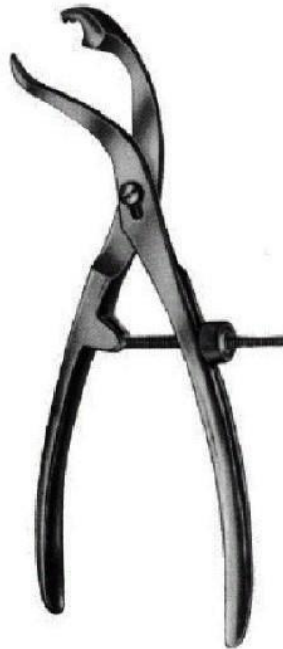


Verbrugge-Baby



27.3739
 17,5 cm/7"

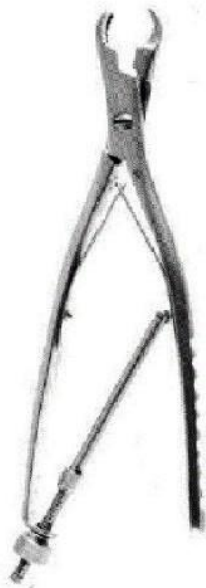
Knochen halte zangen
 Bone holding forceps
 Davier a os
 Pinzas para huesos



Verbrugge

Fig. 00	27.3740	15,0 cm/6"	2,5 mm
Fig. 0	27.3741	19,0 cm/7½"	6,5 mm
Fig. 1	27.3742	24,0 cm/9½"	9,5 mm
Fig. 2	27.3743	26,0 cm/10¼"	10,0 mm
Fig. 3	27.3744	28,0 cm/11"	11,0 mm

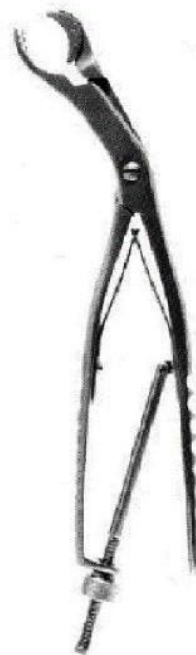
27



Ulrich

27.3745	23,0 cm/9"
27.3746	25,0 cm/10"
27.3747	28,0 cm/11"

gerade
 straight
 droite
 recta

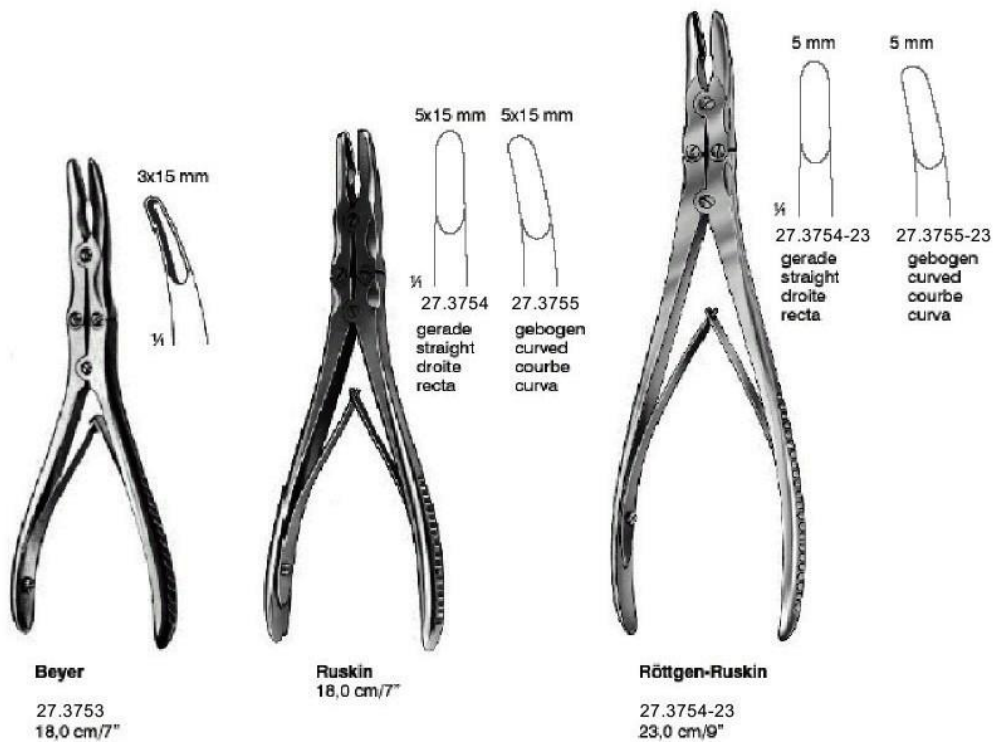
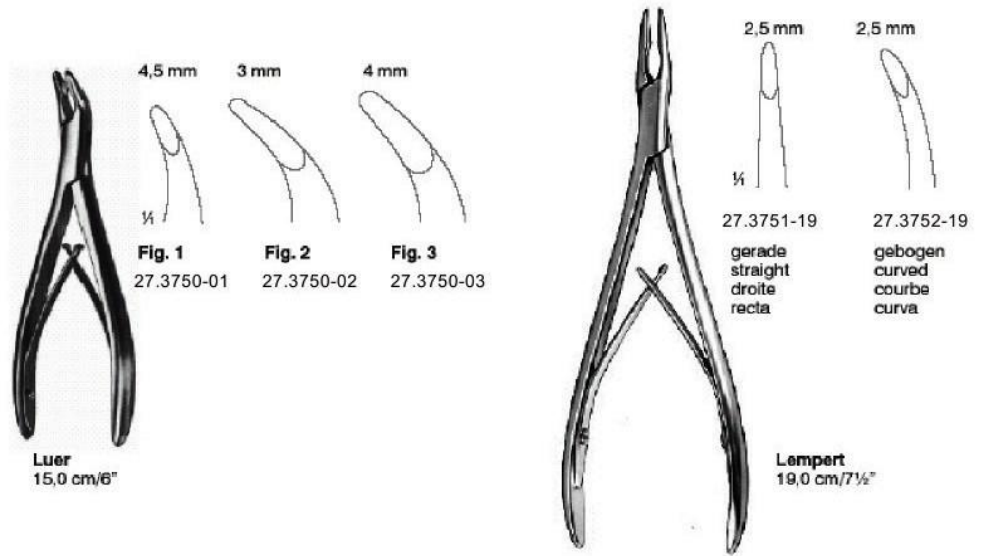


Ulrich

27.3748	28,0 cm/11"
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seitwärts gebogen
 curved sideways
 courbe sur le côté
 curva al lado

Hohl meißel zangen
Bone rongeur forceps
Pincès-gouges
Pinzas-gubias

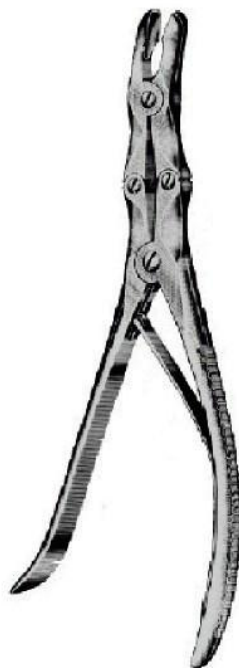




Hohl meissel zangen
 Bone rongeur forceps
 Pincès-gouges
 Pinzas-gubias



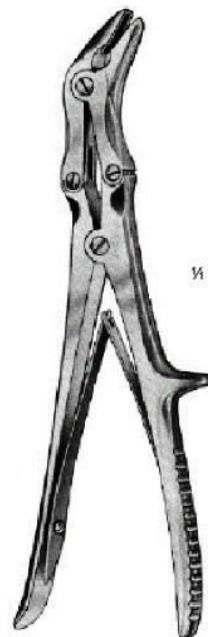
	10 mm	10 mm	17 mm	17 mm
				
1/4				
	27.3756 22,0 cm/8 3/4"	27.3757 22,0 cm/8 3/4"	27.3756-27 27,0 cm/10 3/4"	27.3757-27 27,0 cm/10 3/4"
	gerade straight droite recta	gebogen curved courbe curva	gerade straight droite recta	gebogen curved courbe curva
	Stille-Luer			


27



	4 mm	8 mm
		
1/4		
	27.3758-04	27.3758-08

Leksell-Stille
 24,0 cm/9 1/2"



	7 mm
	
1/4	

Stille
 27.3758-23
 23,0 cm/9"

Hohl meißel zangen
 Bone rongeur forceps
 Pincers-gouges
 Pinzas-gubias



Luer
17,0 cm/6¾"



8 mm
 27.3759
 gerade
 straight
 droite
 recta



8 mm
 27.3760
 gebogen
 curved
 courbe
 curva



Luer-Friedmann
 27.3761
 14,0 cm/5½"



Micro-Friedmann
 27.3761-02
 14,0 cm/5½"



Mini-Friedmann
 27.3761-03
 12,0 cm/5"



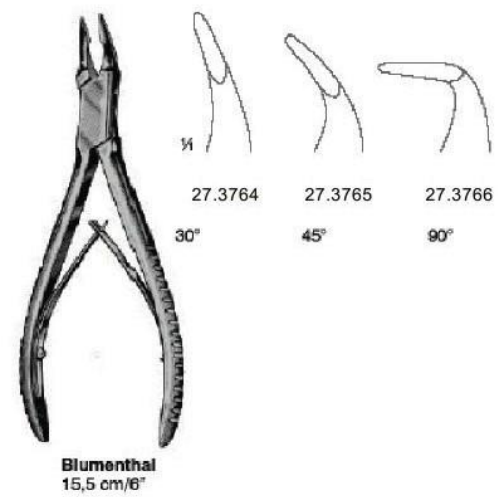
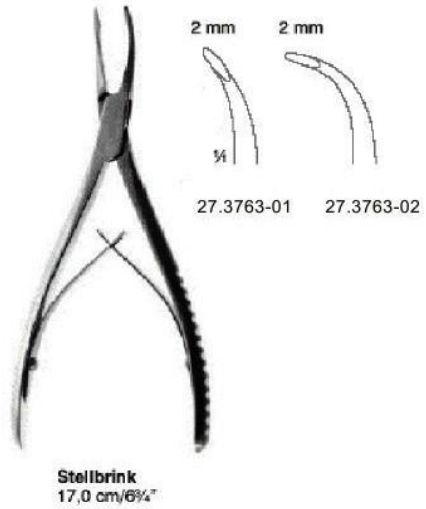
Cleveland
 27.3762
 14,0 cm/5½"



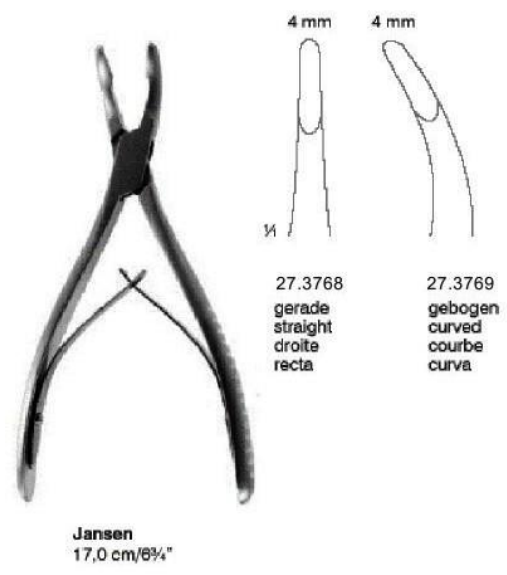
Cleveland
 27.3763
 17,0 cm/6¾"



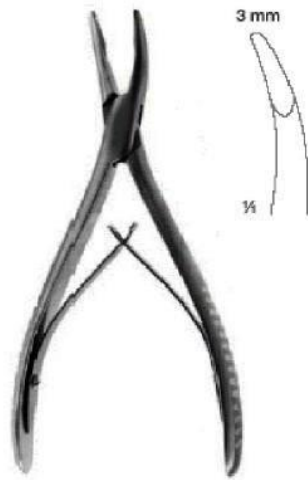
Hohl meißel zangen
 Bone rongeur forceps
 Pincès-gouges
 Pinzas-gubias



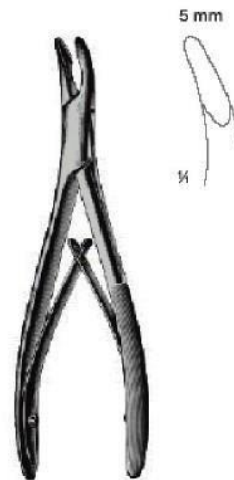
27



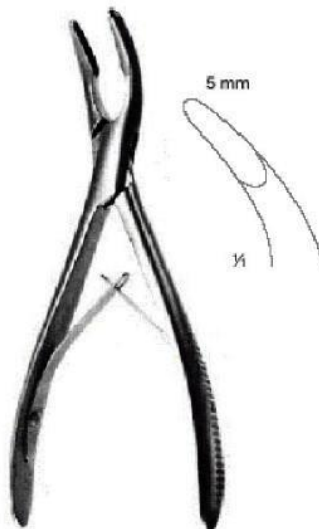
Hohl meissel zangen
 Bone rongeur forceps
 Pinces-gouges
 Pinzas-gubias



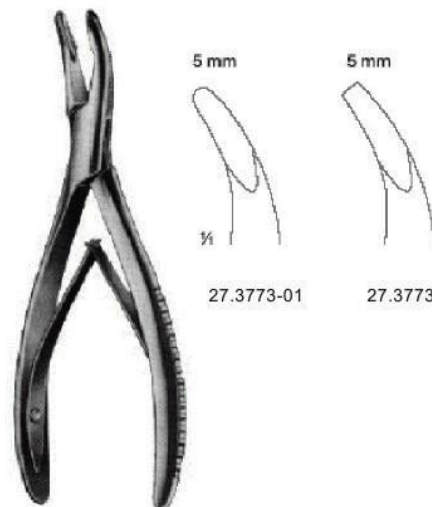
Bayer
 27.3770
 18,0 cm/7"



Bane (Hartmann)
 27.3771
 17,0 cm/6 3/4"



Olivecrona
 27.3772
 19,0 cm/7 1/2"



Mead
 16,5 cm/6 1/2"

27.3773-01

27.3773-02

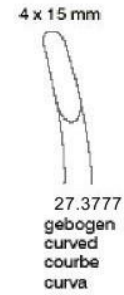
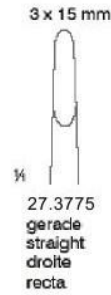
Hohl meissel zangen
 Bone rongeur forceps
 Pincès-gouges
 Pinzas-gubias



Adson
 27.3774
 20,0 cm/8"



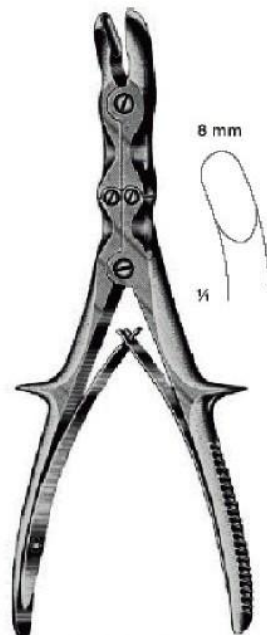
Böhler
 15,0 cm/6"



27



Zaufal-Jansen
 27.3778
 18,0cm



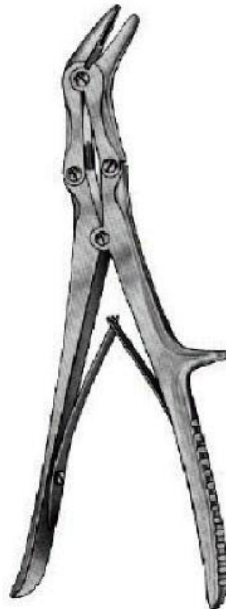
Stille-Ruskin
 27.3779
 23,0cm

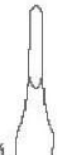




Semb
 27.3780
 22,5cm



Hohl meißel zangen
 Bone rongeur forceps
 Pincas-gouges
 Pinzas-gubias






	2 x 10 mm	3 x 10 mm	4 x 10 mm
			
¼			
	27.3781	27.3782	27.3783

seitwärts gebogen
 curved sideways
 courbe sur le côté
 curva al lado

Echlin
 23,0 cm/9"

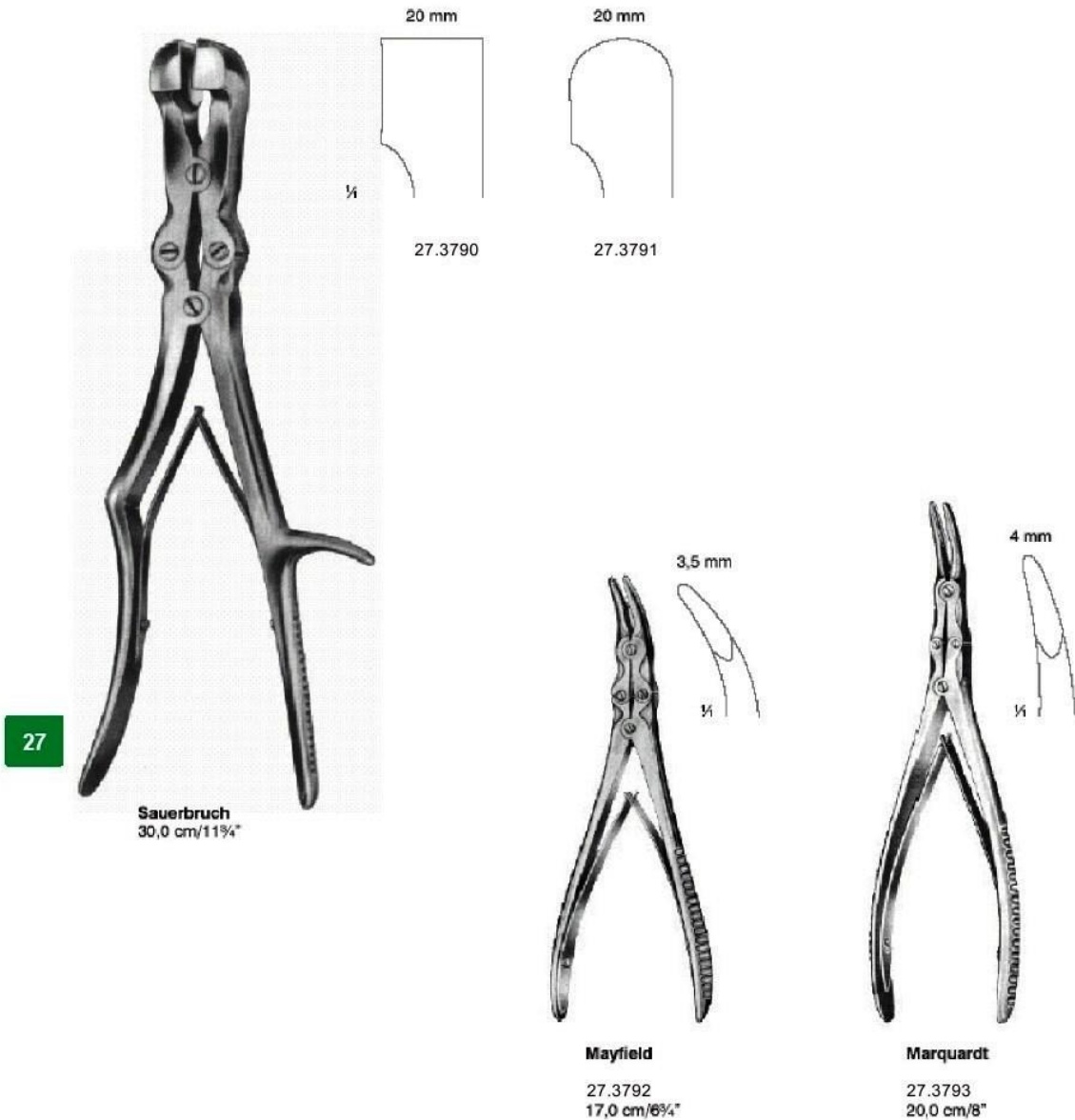


	3 mm	3 mm	3 mm
			
¼			
	27.3784 19,0 cm/7½"	27.3785 19,0 cm/7½"	27.3786 19,0 cm/7½"
	27.3787 24,0 cm/9½"	27.3788 24,0 cm/9½"	27.3789 24,0 cm/9½"

gerade straight droite recta	leicht gebogen slightly curved courbe légèrement curva ligeramente	stark gebogen fully curved courbe fortement curva fuertemente
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Smith-Petersen

Hohl meissel zangen
 Bone rongeur forceps
 Pincers-gouges
 Pinzas-gubias





Knochen splitter zangen
 Bone cutting forceps
 Pincas coupantes a os
 Pinzas cortantes para huesos



	
gerade straight droite recta	gebogen curved courbe curva
27.3814 14,0 cm/5½"	27.3824
27.3817 17,0 cm/6¾"	27.3827
27.3819 19,0 cm/7½"	27.3829
27.3822 22,0 cm/8¾"	27.3832

Liston



	
27.3838 gerade straight droite recta	27.3839 gebogen curved courbe curva

Liston-Mini
15,0 cm/6"



gerade
straight
droite
recta

Stille-Liston

27.3840
27,0 cm/10½"



27.3841
27,0 cm/10½"
gebogen
curved
courbe
curva



Liston-Key

27.3842
27,0 cm/10½"



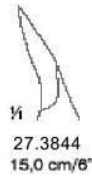
Stille-Liston

27.3843
27,0 cm/10½"

Knochen splitter zangen
 Bone cutting forceps
 Pincès coupantes a os
 Pinzas cortantes para huesos



Cleveland
 gebogen
 curved
 courbe
 curva



27.3844
 15,0 cm/6"



27.3845
 17,0 cm/6¾"

27



Böhler
 15,0 cm/6"



27.3846
 gerade
 straight
 droite
 recta



27.3847
 nach vorn gebogen
 curved forward
 courbe en avant
 curva hacia delante



27.3848
 nach hinten gebogen
 curved backward
 courbe en arrière
 curva hacia atrás



Mc Indoe
 17,0 cm/6¾"



27.3849
 gebogen
 curved
 courbe
 curva

Knochen splitter zangen
 Bone cutting forceps
 Pinces coupantes a os
 Pinzas cortantes para huesos



Ruskin
18,0 cm/7"



27.3850
gerade
straight
droite
recta



27.3851
gebogen
curved
courbe
curva



Ruskin-Liston
18,0 cm/7"



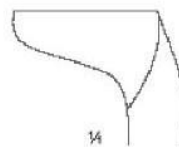
27.3852
gerade
straight
droite
recta



27.3853
gebogen
curved
courbe
curva



Semb
27.3854
23,0 cm/9"



seitwärts gebogen
sideways curved
courbe sur le côté
curva al lado

Knochen halte zangen
 Bone holding clamps
 Pinces porte-os
 Pinzas porta-huesos



Lowman

27.3855-12 12,0 cm/4¾"
 27.3855-18 18,0 cm/7"
 27.3855-20 20,0 cm/8"

Lowman

27.3856-12 12,0 cm/4¾"
 27.3856-18 18,0 cm/7"
 27.3856-20 20,0 cm/8"
 27.3856-22 22,0 cm/8¾"

Lowman-Baby

27.3857-13
 13,0 cm/4¾"

Lowman-Hoglund

27.3857-18
 18,0 cm/7"

Gerster

27.3858
 15,0 cm/6"

Distraktionsklammer
 Traction bar
 Clamp porte-os
 Barra de tracción

27