

» Knochenchirurgie

» Bone surgery

» Chirurgie osseuse

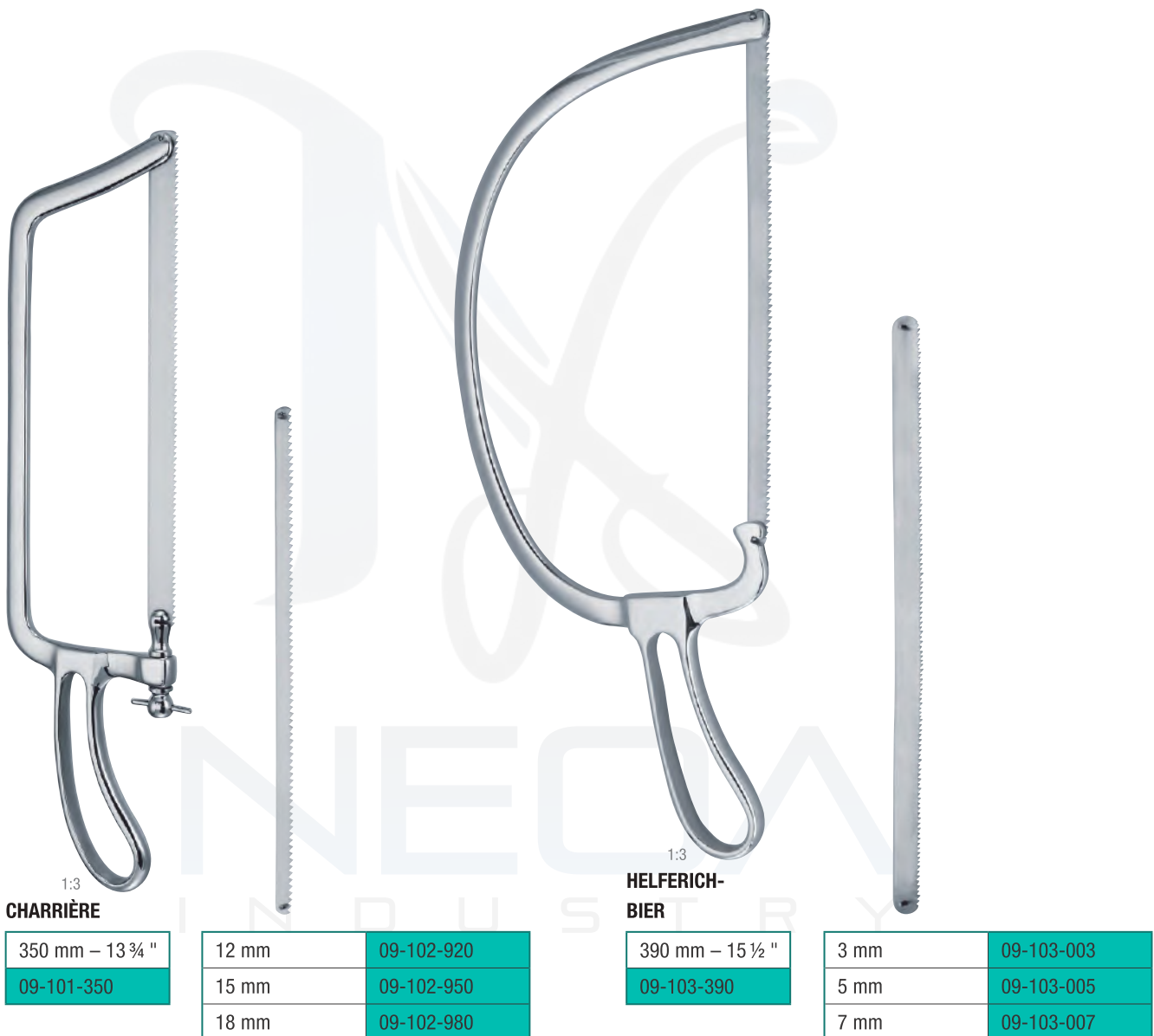
» Cirugía ósea

» Chirurgia ossea



### Amputations- und Resektionssägen *Amputating and resection saws*

*Scies à amputation et résection*  
*Sierra para amputación y resección*  
*Seghe per amputazione*



Ersatzsägeblätter  
Spare saw blades  
Lames de rechange  
Hojas de cambio  
Lame di ricambio

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Spare saw blades  
Lames de rechange  
Hojas de cambio  
Lame di ricambio

### Amputations- und Resektionssägen *Amputating and resection saws*

*Scies à amputation et résection*  
*Sierra para amputación y resección*  
*Seghe per amputazione*



1:2

#### SATTERLEE

290 mm – 11 ½ "	09-104-290
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09-104-290/1
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Ersatzsägeblatt  
Spare saw blade  
Lame de rechange  
Hoja de cambio  
Lame di ricambio



1:2

#### LANGENBECK

230 mm – 9 "	09-105-230
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#### CHARRIÈRE

270 mm – 10 ¾ "	09-106-270
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300 mm – 12 "	09-106-300
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340 mm – 13 ½ "	09-106-340
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Raspeln, f  
Rasps, files

Râpes, limes  
Escofinas, limas  
Raspe, lime



<b>PUTTI</b>	1:1	1:2	1:1	1:2
270 mm – 10 3/4 "		09-107-270		
300 mm – 12 "			09-108-300	

280 mm – 11 "	09-109-280
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halbrund  
semicircular  
semi-ronde  
semi-redonda  
semi-rotonda

245 mm – 9 3/4 "	09-110-240
x = 13 mm	

halbrund  
semicircular  
semi-ronde  
semi-redonda  
semi-rotonda

220 mm – 8 3/4 "	09-111-220
x = 20 mm	

flach  
flat  
plate  
plana  
piatta

**Hämmer**  
**Mallets**  
*Maillets*  
*Martillos*  
*Martelli*



**DOYEN**

	195 mm – 7 ¾"
25 mm Ø – 120 g	09-112-120
30 mm Ø – 180 g	09-112-180
35 mm Ø – 260 g	09-112-260



**COLLIN**

	200 mm – 8"
30 mm Ø – 220 g	09-113-220



**HAJEK**

	215 mm – 8 ½"
27 mm Ø – 140 g	09-114-010



**KIRK**

	190 mm – 7 ½"
38 mm Ø – 750 g	09-115-750

NEOA  
INDUSTRY

Hämmer  
*Mallets*  
*Maillets*  
*Martillos*  
*Martelli*



**PARTSCH** 1:2

	180 mm – 7 "
22 mm Ø – 200 g	09-116-200

**LUCAE** 1:2

	190 mm – 7 ½ "
19 mm Ø – 230 g	09-117-230
25 mm Ø – 260 g	09-117-260

Hämmer  
Mallets  
Maillets  
Martillos  
Martelli



1:2

### BERGMANN

245 mm – 9¾"
45 mm Ø – 300 g
09-118-300



1:2

### OMBREDANNE

240 cm – 9½"
40 mm Ø – 550 g
09-119-230



### HEATH

40 mm Ø – 700 g	185 mm – 7½"	09-120-185
45 mm Ø – 1000 g	200 mm – 8"	09-120-200

Kupferfüllung  
Copper filled head  
Rempli de cuivre  
Llenado de cobre  
Riempito di rame

### Hämmer Mallets

*Maillets  
Martillos  
Martelli*



1:2

190 mm – 7 ½ "
250 mm Ø – 205 g
09-121-140

Massiver Stahl, mit Kunststoffbacken  
Solid steel, with plastic faces  
Acier solid, avec plaques en plastique  
Acero sólido, con placas en plástico  
Acciaio massiccio, con punte di plastica

09-121-990

Ersatzbacken, 1 Paar  
Spare faces, 1 pair  
Plaques de rechange, 1 paire  
Placas de cambio, 1 par  
Punte di ricambio, 1 paio



1:2

<b>COTTLE</b>	240 g
185 mm – 7 ¼ "	09-122-185

1 Seite flach / 1 Seite convex  
1 side flat / 1 side convex  
1 coté plat / 1 coté convex  
1 lado plano / 1 lado convexo  
1 lato piatto / 1 lato convesso



**WILLIGER**

	240 mm – 9 ½ "
26 mm Ø – 300 g	423-196-010
28 mm Ø – 340 g	423-196-020
30 mm Ø – 400 g	423-196-030

bleigefüllt  
lead filled  
rempli de plomb  
llenado con plomo  
riempito di piombo



Hämmer  
Mallets  
Maillets  
Martillos  
Martelli



1:2

165 mm – 6 ½ "

20 mm Ø – 150 g

09-124-150



1:2

MEAD

170 mm – 6 ¾ "

26 mm Ø – 320 g

09-125-320

Stahl massiv, mit Kunststoffbacken  
Steel solid, with plastic faces  
Acier solid, avec plaques en plastique  
Acero sólido, con placas en plástico  
Acciaio massiccio, con punte di plastica

09-126-000

Ersatzbacken, 1 Paar  
Spare faces, 1 pair  
Plaques de rechange, 1 paire  
Placas de cambio, 1 par  
Punte di ricambio, 1 paio

### Hämmer Mallets

*Maillets  
Martillos  
Martelli*



1:2

225 mm – 8 ¾ "
37 mm Ø – 370 g
09-127-220

Kopf massiver Stahl, mit Ferrozellbacken  
Head solid steel, with Ferrozell faces  
Tête acier solid, avec plaques en Ferrozell  
Cabeza acero sólido, con placas en Ferrozell  
Testa acciaio massiccio, con punte di Ferrozell



1:2

240 mm – 9 ½ "
30 mm Ø – 480 g
09-128-240

Kopf massiver Stahl, mit Ferrozellbacken  
Head solid steel, with Ferrozell faces  
Tête acier solid, avec plaques en Ferrozell  
Cabeza acero sólido, con placas en Ferrozell  
Testa acciaio massiccio, con punte di Ferrozell

### 09-129-000

Ersatzbacken, 1 Paar  
Spare faces, 1 pair  
Plaques de rechange, 1 paire  
Placas de cambio, 1 par  
Punte di ricambio, 1 paio

Hämmer  
*Mallets*  
*Maillets*  
*Martillos*  
*Martelli*



1:2



1:2

	42 mm Ø – 250 g	42 mm Ø – 400 g
260 mm – 10 ¼ "	09-130-250	09-130-400

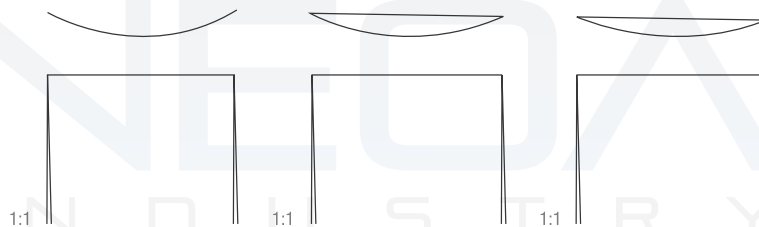
Ferrozell, ohne Blei  
 Ferrozell, without lead  
 Ferrozell, sans plomb  
 Ferrozell, sin plomo  
 Ferrozell, senza piombo

Kunststoff, bleigefüllt  
 Plastic, lead filled  
 Matière plastique, rempli de plomb  
 Plástico, llenado con plomo  
 Plastica, riempito di piombo

	30 mm Ø – 450 g	50 mm Ø – 900 g
265 mm – 10 ½ "	09-131-450	09-131-900

### Knochenmeißel Bone chisels and gouges

*Ciseaux-burins, gouges*  
*Cinceles, gubias*  
*Scalpelli, sgorbi*



	25 mm (r = 50 mm)	25 mm (r = 60 mm)	25 mm (r = 70 mm)
135 mm – 5 ¼ "	09-133-500	09-133-600	09-133-700

Hohlmeißelklingen, auswechselbar  
Gouge blades, interchangeable  
Lames gouges, interchangeables  
Hojas de gubia, intercambiables  
Lame intercambiabili, concavo

### Knochenmeißel

#### Bone chisels and gouges

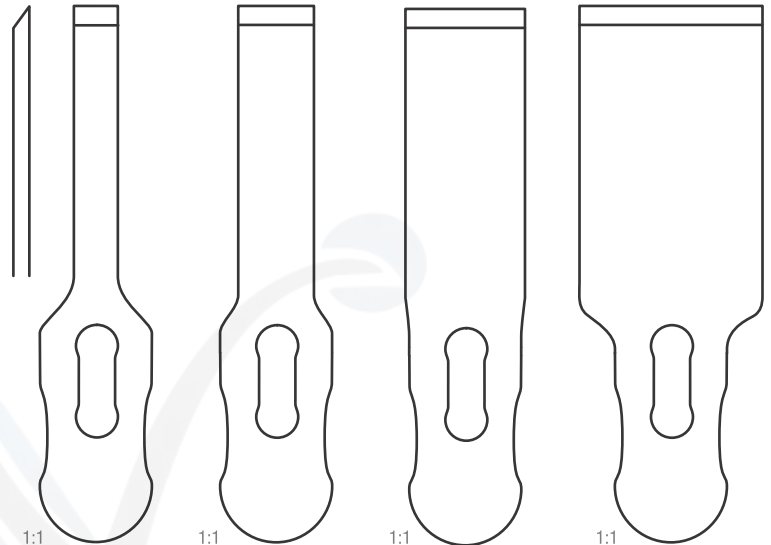
*Ciseaux-burins, gouges*  
*Cinceles, gubias*  
*Scalpelli, sgorbi*



1:2

185 mm – 7 ¼ "

09-134-000



1:1

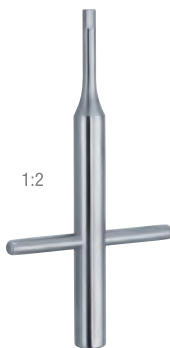
1:1

1:1

1:1

	5 mm	10 mm	16 mm	25 mm
85 mm – 3 ¼ "	09-134-050	09-134-100	09-134-160	09-134-250

Meißelklingen, auswechselbar  
 Chisel blades, interchangeable  
 Lames ciseaux-burin, interchangeables  
 Hojas de cincel, intercambiables  
 Lame, intercambiabili

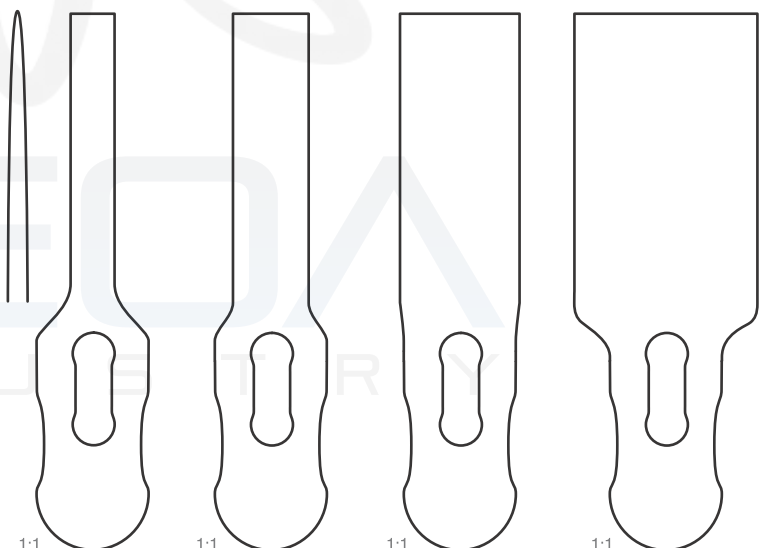


1:2

90 mm – 3 ½ "

09-134-990

Spannschlüssel  
 Key  
 Clé  
 Llave  
 Chiave



1:1

1:1

1:1

1:1

	5 mm	10 mm	16 mm	25 mm
85 mm – 3 ¼ "	09-134-005	09-134-010	09-134-016	09-134-025

Osteotomklingen, auswechselbar  
 Osteotome blades, interchangeable  
 Lames d'osteotomos interchangeables  
 Hojas de osteótomo, intercambiables  
 Lame per osteotomia, intercambiabili

**Knochenmeißel**  
**Bone chisels and gouges**

*Ciseaux-burins, gouges*  
*Cinceles, gubias*  
*Scalpelli, sgorbi*



	135 mm – 5 ¼ "	135 mm – 5 ¼ "	135 mm – 5 ¼ "
4 mm			09-137-004
6 mm	09-135-006	09-136-006	09-137-006
8 mm	09-135-008	09-136-008	09-137-008
10 mm	09-135-010	09-136-010	09-137-010
12 mm	09-135-012	09-136-012	09-137-012
14 mm	09-135-014	09-136-014	09-137-014
16 mm	09-135-016	09-136-016	09-137-016

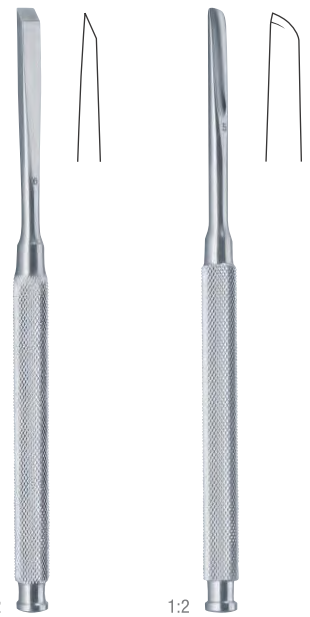
### Knochenmeißel Bone chisels and gouges

*Ciseaux-burins, gouges*  
*Cinceles, gubias*  
*Scalpelli, sgorbi*



**ALEXANDER**

	180 mm – 7 "	180 mm – 7 "
4 mm	09-138-004	09-139-004
6 mm	09-138-006	09-139-006
8 mm	09-138-008	09-139-008
10 mm	09-138-010	09-139-010
12 mm	09-138-012	09-139-012
14 mm	09-138-014	09-139-014



**LUCAS**

	160 mm – 6 ¼ "	160 mm – 6 ¼ "
3 mm		09-141-003
4 mm	09-140-004	
6 mm	09-140-006	09-141-006

Flachmeißel  
Chisel  
Ciseau burin  
Cinzel  
Scalpello

Hohlmeißel  
Gouge  
Gouge  
Gubia  
Sgorbi

### Knochenmeißel Bone chisels and gouges

*Ciseaux-burins, gouges*  
*Cinceles, gubias*  
*Scalpelli, sgorbi*



#### PARTSCH

	115 mm – 4 ½ "	135 mm – 5 ¼ "	170 mm – 6 ¾ "
2 mm	09-142-020	09-143-002	09-144-020
3 mm	09-142-030	09-143-003	09-144-030
4 mm	09-142-040	09-143-004	09-144-040
5 mm	09-142-050	09-143-005	09-144-050
6 mm	09-142-060	09-143-006	09-144-060
7 mm	09-142-070	09-143-007	09-144-070
8 mm	09-142-080	09-143-008	09-144-080

	115 mm – 4 ½ "	135 mm – 5 ¼ "	170 mm – 6 ¾ "
	09-145-020	09-146-002	09-147-020
	09-145-030	09-146-003	09-147-030
	09-145-040	09-146-004	09-147-040
	09-145-050	09-146-005	09-147-050
	09-145-060	09-146-006	09-147-060
	09-145-070	09-146-007	09-147-070
	09-145-080	09-146-008	09-147-080



### Knochenmeißel Bone chisels and gouges

*Ciseaux-burins, gouges*  
*Cinceles, gubias*  
*Scalpelli, sgorbi*



**LAMBOTTE**

1:2

1:2

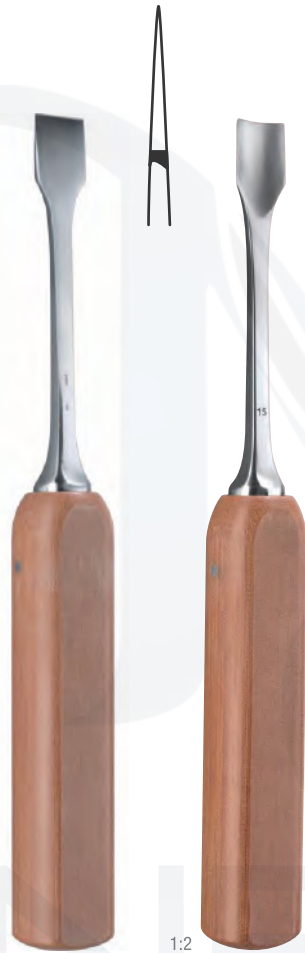
	250 mm – 9 ¾ "	250 mm – 9 ¾ "
4 mm	09-148-004	09-149-004
6 mm	09-148-006	09-149-006
8 mm	09-148-008	09-149-008
10 mm	09-148-010	09-149-010
13 mm	09-148-013	09-149-013
15 mm	09-148-015	09-149-015
20 mm	09-148-020	09-149-020
25 mm	09-148-025	09-149-025
30 mm	09-148-030	09-149-030
38 mm	09-148-038	09-149-038
44 mm	09-148-044	09-149-044
50 mm	09-148-050	09-149-050

**MINI-LAMBOTTE**

	125 mm – 5 "	170 mm – 6 ¾ "
3 mm	09-150-030	09-151-530
4 mm	09-150-040	09-151-540
6 mm	09-150-060	09-151-560
8 mm	09-150-080	09-151-580
10 mm	09-150-100	09-151-600
12 mm	09-150-120	09-151-620
14 mm	09-150-140	
15 mm	09-150-150	09-151-650
18 mm	09-150-180	
20 mm	09-150-200	

### Knochenmeißel Bone chisels and gouges

*Ciseaux-burins, gouges*  
*Cinceles, gubias*  
*Scalpelli, sgorbi*



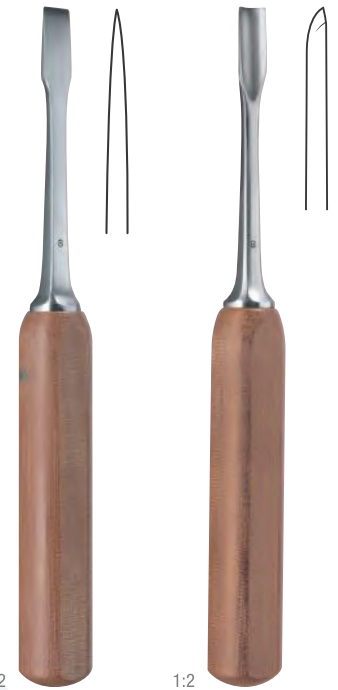
**LEXER**

1:2

1:2

	220 mm – 8 ¾ "	220 mm – 8 ¾ "
5 mm	09-152-005	09-153-005
7 mm	09-152-007	09-153-007
10 mm	09-152-010	09-153-010
15 mm	09-152-015	09-153-015
20 mm	09-152-020	09-153-020
25 mm	09-152-025	09-153-025
30 mm	09-152-030	09-153-030

Ferrozellgriff  
Ferrozell handle  
Manche en Ferrozell  
Mango en Ferrozell  
Manico di Ferrozell



**MINI-LEXER**

1:2

1:2

	180 mm – 7 "	180 mm – 7 "
4 mm	09-154-040	09-155-040
6 mm	09-154-060	09-155-060
8 mm	09-154-080	09-155-080
10 mm	09-154-100	09-155-100
12 mm	09-154-120	09-155-120

Ferrozellgriff  
Ferrozell handle  
Manche en Ferrozell  
Mango en Ferrozell  
Manico di Ferrozell

### Knochenmeißel Bone chisels and gouges

*Ciseaux-burins, gouges*  
*Cinceles, gubias*  
*Scalpelli, sgorbi*



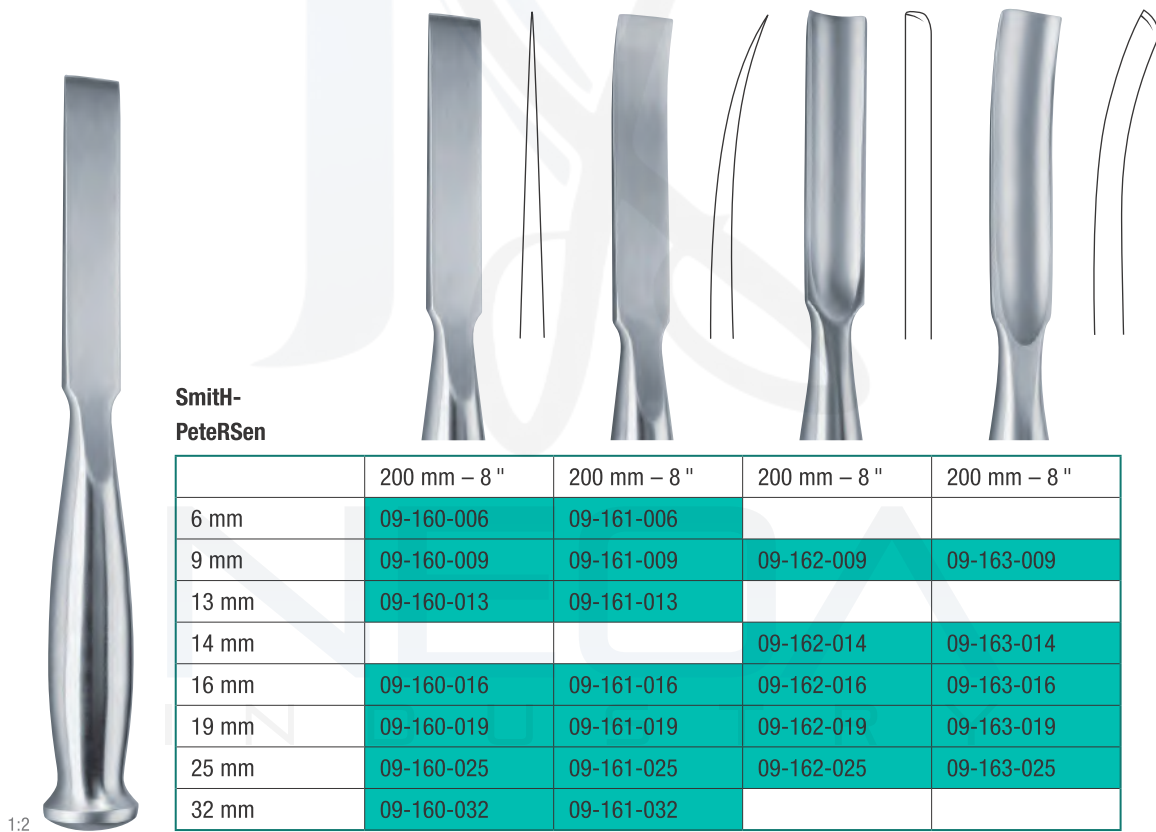
**STILLE**

	200 mm – 8 "	200 mm – 8 "	200 mm – 8 "	200 mm – 8 "
10 mm	09-156-010	09-157-010	09-158-010	09-159-010
12 mm	09-156-012	09-157-012	09-158-012	09-159-012
15 mm	09-156-015	09-157-015	09-158-015	09-159-015
20 mm	09-156-020	09-157-020	09-158-020	09-159-020
25 mm	09-156-025	09-157-025	09-158-025	09-159-025

1:2

### Knochenmeißel Bone chisels and gouges

*Ciseaux-burins, gouges*  
*Cinceles, gubias*  
*Scalpelli, sgorbi*



**Smith-  
Petersen**

	200 mm – 8 "	200 mm – 8 "	200 mm – 8 "	200 mm – 8 "
6 mm	09-160-006	09-161-006		
9 mm	09-160-009	09-161-009	09-162-009	09-163-009
13 mm	09-160-013	09-161-013		
14 mm			09-162-014	09-163-014
16 mm	09-160-016	09-161-016	09-162-016	09-163-016
19 mm	09-160-019	09-161-019	09-162-019	09-163-019
25 mm	09-160-025	09-161-025	09-162-025	09-163-025
32 mm	09-160-032	09-161-032		

1:2

**Knochenmeißel**  
**Bone chisels and gouges**

*Ciseaux-burins, gouges*  
*Cinceles, gubias*  
*Scalpelli, sgorbi*



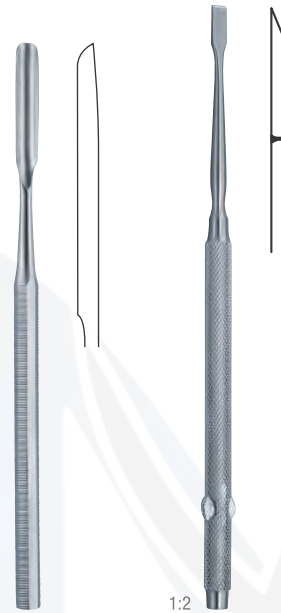
**HIBBS**

	240 mm – 9 ½ "	240 mm – 9 ½ "	240 mm – 9 ½ "	240 mm – 9 ½ "	240 mm – 9 ½ "
6 mm	09-164-006	09-165-006	09-166-006	09-167-006	09-168-006
9 mm	09-164-009		09-166-009	09-167-009	09-168-009
13 mm	09-164-013	09-165-013	09-166-013	09-167-013	09-168-013
16 mm	09-164-016		09-166-016	09-167-016	09-168-016
19 mm	09-164-019	09-165-019	09-166-019	09-167-019	09-168-019
25 mm	09-164-025	09-165-025	09-166-025	09-167-025	09-168-025
32 mm	09-164-032	09-165-032	09-166-032	09-167-032	09-168-032

1:2

### Knochenmeißel Bone chisels and gouges

*Ciseaux-burins, gouges  
Cinceles, gubias  
Scalpelli, sgorbi*



**FREER**

	150 mm – 6 "	160 mm – 6 ¼ "
6 mm	09-169-006	
4 mm		09-170-004

Hohlmeißel  
Gouge  
Gouge  
Gubia  
Sgorbi

Flachmeißel  
Chisel  
Ciseau burin  
Cinzel  
Scalpello

**BALLENGER**

	160 mm – 6 ¼ "
4 mm	09-171-040
6 mm	09-171-060
8 mm	09-171-080

**MANNERFELT  
MODIF.**



1:2

	155 mm - 6 "	155 mm - 6 "
3 mm		09-173-003
4 mm	09-172-004	
6 mm	09-172-006	
8 mm	09-172-008	

Osteotome  
Osteotomes  
Ostéotomes  
Osteótomos  
Osteotomi

Hohlmeißel  
Gouge  
Gouge  
Gubia  
Sgorbi

meißel zur nasenplastik  
*Chisels, osteotomes for rhinoplasty*

*Ostéotomes, ciseaux-burins pour rhinoplastique*  
*Cinceles para rinoplastia*  
*Scalpelli per plastica nasale*



1:2  
**KILIAN**

160 mm – 6 ¼ "
5 mm
09-174-005



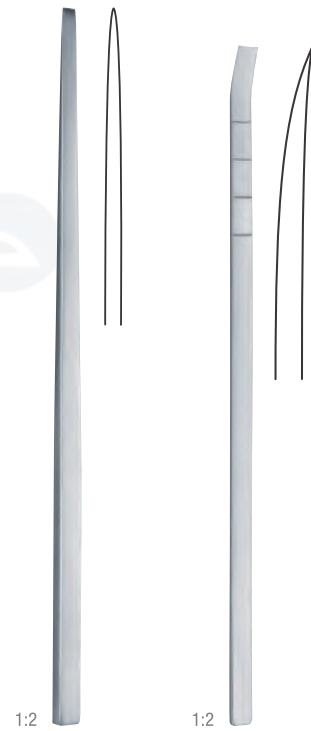
1:2  
**KILIAN-CLAUS**

160 mm – 6 ¼ "
5 mm
09-175-005



1:2  
**COTTLE**

	150 mm – 6 "
7 mm	09-176-007
9 mm	09-176-009
12 mm	09-176-012



	190 mm – 7 ½ "	180 mm – 7 "
4 mm	09-177-004	
6 mm		09-178-006



**FOMON**



	4 mm	5 mm	6 mm	7 mm	8 mm
170 mm – 6 ¾ "	09-179-004	09-179-005	09-179-006	09-179-007	09-179-008

NEOA  
 INDUSTRY

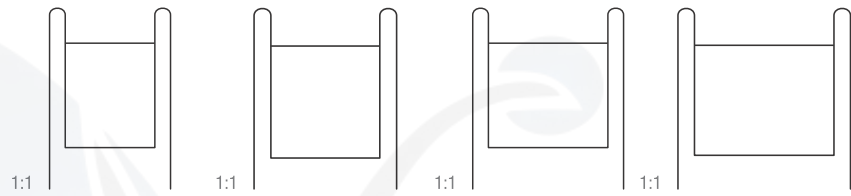
meißel zur nasenplastik  
*Chisels, osteotomes for rhinoplasty*

*Ostéotomes, ciseaux-burins pour rhinoplastique*  
*Cinceles para rinoplastia*  
*Scalpelli per plastica nasale*



1:2

**CINELLI**



	10 mm	12 mm	14 mm	16 mm
180 mm – 7"	09-180-100	09-180-120	09-180-140	09-180-160



1:2

**COTTLE**



	4 mm	6 mm	7 mm	9 mm	10 mm	12 mm
180 mm – 7"	09-181-040	09-181-060	09-181-070	09-181-090	09-181-100	09-181-120

**COTTLE**

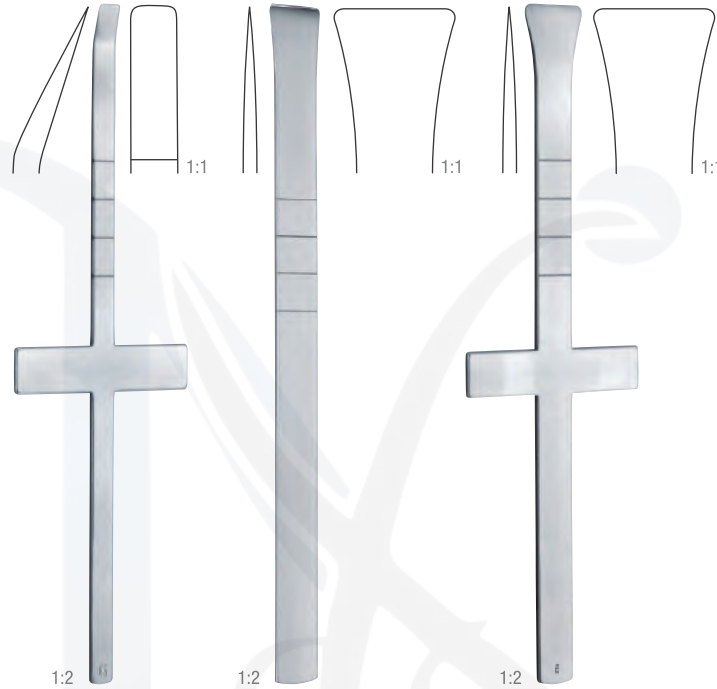


	4 mm	7 mm	9 mm	12 mm
180 mm – 7"	09-182-040	09-182-070	09-182-090	09-182-120



meißel zur nasenplastik  
*Chisels, osteotomes for rhinoplasty*

*Ostéotomes, ciseaux-burins pour rhinoplastique*  
*Cinceles para rinoplastia*  
*Scalpelli per plastica nasale*



**COTTLE**

	6 mm	16 mm	16 mm
180 mm – 7"	09-183-060	09-184-160	09-185-160



1:2

NEOA  
INDUSTRY

**RUBIN**

	10 mm	12 mm	14 mm
180 mm – 7"	09-186-100	09-186-120	09-186-140

meißel zur nasenplastik  
*Chisels, osteotomes for rhinoplasty*

*Ostéotomes, ciseaux-burins pour rhinoplastique*  
*Cinceles para rinoplastia*  
*Scalpelli per plastica nasale*



**WALTER**



	3 mm	4.5 mm
190 mm – 7 ½ "	09-187-030	09-187-040

1:2

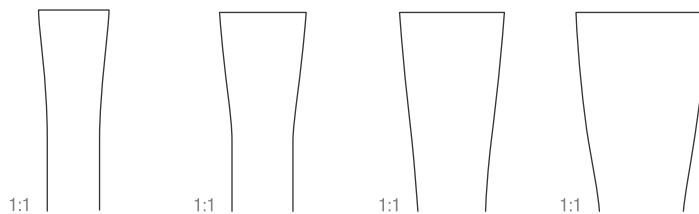


**SHEEHAN**



	2 mm	4 mm	6 mm	7 mm	8 mm
160 mm – 6 ¼ "	09-188-020	09-188-040	09-188-060	09-188-070	09-188-080

1:2



10 mm	12 mm	15 mm	18 mm
09-188-100	09-188-120	09-188-150	09-188-180

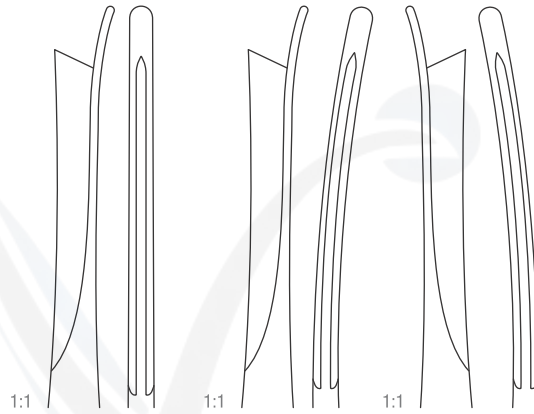
meißel zur nasenplastik  
*Chisels, osteotomes for rhinoplasty*

*Ostéotomes, ciseaux-burins pour rhinoplastique*  
*Cinceles para rinoplastia*  
*Scalpelli per plastica nasale*



1:2

**SILVER**



180 mm – 7 "	09-189-010	09-189-020	09-189-030
--------------	------------	------------	------------

gerade  
 straight  
 droit  
 recta  
 retta

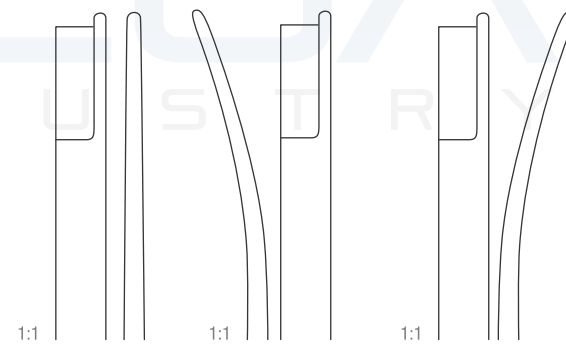
rechts  
 right  
 droite  
 derecha  
 destra

links  
 left  
 gauche  
 izquierda  
 sinistra



1:2

**NEIVERT-ANDERSON**



200 mm – 8 "	09-190-010	09-190-020	09-190-030
--------------	------------	------------	------------

gerade  
 straight  
 droit  
 recta  
 retta

rechts  
 right  
 droite  
 derecha  
 destra

links  
 left  
 gauche  
 izquierda  
 sinistra

meißel für die Kieferchirurgie  
*Osteotomes for maxillo-facial surgery*

*Ostéotomes pour la chirurgie maxillo-faciale*  
*Cinceles para la cirugía maxilofacial*  
*Scalpelli per chirurgia massilofaciale*




1:1

1:1

1:1

1:2

1:2

**OBWEGESER**

	7 mm	10 mm
215 mm – 8 ½"	09-191-007	09-191-010

1:2

**OBWEGESER**

	8 mm	11 mm	13 mm
235 mm – 9 ¼"	09-192-080	09-192-110	09-192-240

**Stößel**  
**Tampers**  
**Pilons**  
**Punzones**  
**Pestoni**



1:2

1:1 ○

1:1 ○

1:1 ○

1:1 ○

1:1 ○

1:1 ○

1:1 ○

	2 mm Ø	3 mm Ø	4 mm Ø	5 mm Ø	6 mm Ø	8 mm Ø	10 mm Ø
155 mm – 6 "	09-193-020	09-193-030	09-193-040	09-193-050	09-193-060	09-193-080	09-193-100



1:2

**PASSOW**

1:1 □

1:1 □

1:1 □

	Fig. 1	Fig. 2	Fig. 3
	2.5 mm x 2.5 mm	3.5 mm x 3.5 mm	4.5 mm x 4.5 mm
120 mm – 4 ¾ "	09-194-001	09-194-002	09-194-003



1:2



1:2

**CASPAR**

1:1 ●

1:1 ●

1:1 ●

	3 mm Ø	5 mm Ø	8 mm Ø
200 mm – 8 "	09-195-030	09-195-050	09-195-080

1:1

1:1

1:1

	12 mm Ø	14 mm Ø	16 mm Ø
200 mm – 8 "	09-196-120	09-196-140	09-196-160






### Scharfe löffel






#### Bone curettes

*Curettes tranchantes*  
*Cucharillas cortantes*  
*Cucchiai taglienti*



#### VOLKMANN






	1:1 	1:1 	1:1 	1:1 	1:1 
	Fig. 0000	Fig. 000	Fig. 00	Fig. 0	Fig. 1
170 mm – 6 ¾ "	09-197-000	09-197-001	09-197-002	09-197-003	09-197-010



1:1 	1:1 	1:1 	1:1 	1:1 
Fig. 2	Fig. 3	Fig. 4	Fig. 5	Fig. 6
09-197-020	09-197-030	09-197-040	09-197-050	09-197-060

1:2



#### SCHEDE

	1:1 	1:1 	1:1 	1:1 	1:1 
	Fig. 000	Fig. 00	Fig. 0	Fig. 1	Fig. 2
170 mm – 6 ¾ "	09-198-001	09-198-002	09-198-003	09-198-010	09-198-020

1:1 	1:1 
Fig. 3	Fig. 4
09-198-030	09-198-040

1:2




### Scharfe löffel




#### Bone curettes




*Curettes tranchantes*  
*Cucharillas cortantes*  
*Cucchiai taglienti*



#### SPRATT



	 1:1	 1:1	 1:1
	Fig. 0000	Fig. 000	Fig. 00
170 mm – 6 3/4 "	09-199-004	09-199-001	09-199-002


 1:1	 1:1	 1:1
Fig. 0	Fig. 1	Fig. 2
09-199-003	09-199-010	09-199-020




 1:1	 1:1	 1:1
Fig. 3	Fig. 4	Fig. 5
09-199-030	09-199-040	09-199-050

1:2

#### BRUNS

	 1:1	 1:1	 1:1
	Fig. 000	Fig. 00	Fig. 0
160 mm – 6 1/4 "	09-200-001	09-200-002	09-200-003

 1:1	 1:1	 1:1
Fig. 1	Fig. 2	Fig. 3
09-200-010	09-200-020	09-200-030

 1:1	 1:1	 1:1
Fig. 4	Fig. 5	Fig. 6
09-200-040	09-200-050	09-200-060

1:2

### Scharfe löffel

#### *Bone curettes*

*Curettes tranchantes*  
*Cucharillas cortantes*  
*Cucchiai taglienti*



#### VOLKMANN



	Fig. 0000	Fig. 000	Fig. 00	Fig. 0	Fig. 1	Fig. 2
185 mm – 7 ¼ "	09-201-400	09-201-300	09-201-200	09-201-100	09-201-010	09-201-020

oval, mit Kunststoffgriff  
 oval, with plastic handle  
 ovale, avec manche en matière plastique  
 ovalada, con mango plástico  
 ovale, con manico in plastica



	Fig. 3	Fig. 4	Fig. 5	Fig. 6
190 mm – 7 ½ "	09-201-030	09-201-040	09-201-050	09-201-060



	Fig. 0	Fig. 1	Fig. 2	Fig. 3	Fig. 4
275 mm – 10 ¾ "	09-202-100	09-202-010	09-202-020	09-202-030	09-202-040



Scharfe löffel  
*Bone curettes*

*Curettes tranchantes*  
*Cucharillas cortantes*  
*Cucchiai taglienti*



1:2

**HALLE**



	Fig. 1	Fig. 2	Fig. 3
210 mm – 8 ¼ "	09-203-010	09-203-020	09-203-030

flexibel  
flexible  
flexible  
flexible  
flessibile



**UFFENDORDE**

	Fig. 1	Fig. 2
170 mm – 6 ¾ "	09-204-001	09-204-002

**Scharfe löffel**  
**Bone curettes**

*Curettes tranchantes*  
*Cucharillas cortantes*  
*Cucchiai taglienti*

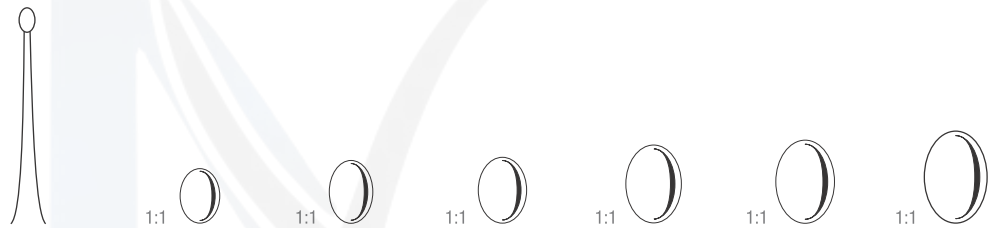


	Fig. 1	Fig. 2	Fig. 3	Fig. 4	Fig. 5	Fig. 6
160 mm – 6 ¼ "	09-205-010	09-205-020	09-205-030	09-205-040	09-205-050	09-205-060

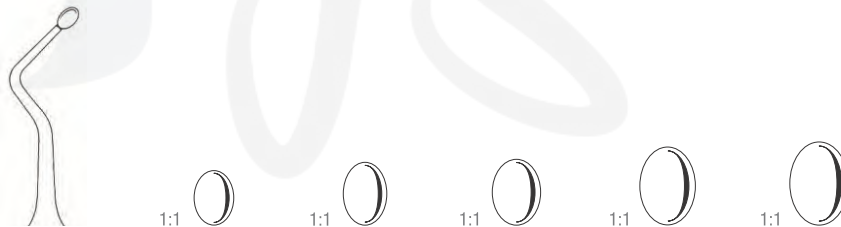


	Fig. 1	Fig. 2	Fig. 3	Fig. 4	Fig. 5
160 mm – 6 ¼ "	09-206-010	09-206-020	09-206-030	09-206-040	09-206-060

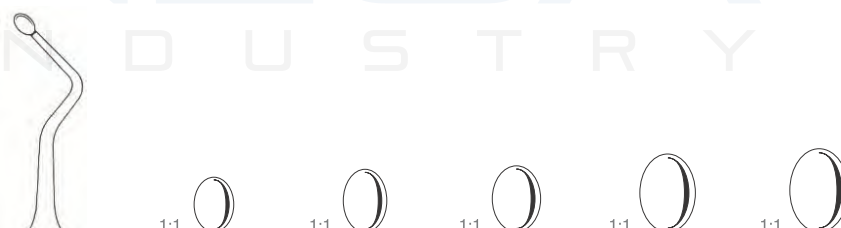


	Fig. 1	Fig. 2	Fig. 3	Fig. 4	Fig. 5
160 mm – 6 ¼ "	09-207-010	09-207-020	09-207-030	09-207-040	09-207-060

### Scharfe löffel

#### *Bone curettes*

*Curettes tranchantes*  
*Cucharillas cortantes*  
*Cucchiai taglienti*

#### BRUNS



		Fig. 00	Fig. 0	Fig. 1	Fig. 2
230 mm – 9"	gerade straight droit recta retto	09-208-002	09-208-003	09-208-010	09-208-020
230 mm – 9"	gebogen curved courbe curva curvo	09-209-002	09-209-003	09-209-010	09-209-020

massiv  
solid  
solide  
macizo  
massiccio



		Fig. 3	Fig. 4	Fig. 5	Fig. 6
230 mm – 9"	gerade straight droit recta retto	09-208-030	09-208-040	09-208-050	09-208-060
230 mm – 9"	gebogen curved courbe curva curvo	09-209-030	09-209-040	09-209-050	09-209-060

massiv  
solid  
solide  
macizo  
massiccio

1:2



### Scharfe löffel

### Bone curettes

*Curettes tranchantes*  
*Cucharillas cortantes*  
*Cucchiai taglienti*



1:2

#### SCHROEDER

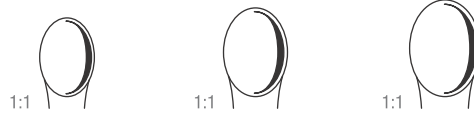


	Fig. 1	Fig. 2	Fig. 3
300 mm – 12 "	09-210-001	09-210-002	09-210-003

scharf / fest  
 sharp / rigid  
 tranchante / rigide  
 cortante / rigida  
 tagliente / rigido



	Fig. 4	Fig. 5	Fig. 6
	09-210-004	09-210-005	09-210-006

#### SIMON



	Fig. 1	Fig. 2	Fig. 3	Fig. 4	Fig. 5	Fig. 6
240 mm – 9½ "	09-211-010	09-211-020	09-211-030	09-211-040	09-211-050	09-211-060

scharf / fest  
 sharp / rigid  
 tranchante / rigide  
 cortante / rigida  
 tagliente / rigido



1:2

#### SIMON



	Fig. 1	Fig. 2	Fig. 3
250 mm – 9¾ "	09-212-001	09-212-002	09-212-003

scharf / fest  
 sharp / rigid  
 tranchante / rigide  
 cortante / rigida  
 tagliente / rigido

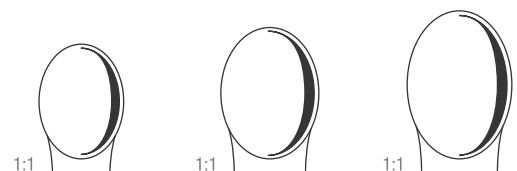


	Fig. 4	Fig. 5	Fig. 6
	09-212-004	09-212-005	09-212-006

### Scharfe löffel

#### Bone curettes

*Curettes tranchantes*  
*Cucharillas cortantes*  
*Cucchiai taglienti*



1:1



1:1



1:1



1:1



	Fig. 000	Fig. 00	Fig. 0	Fig. 1
	3.6 mm	4.4 mm	5.2 mm	6.8 mm
250 mm – 9 3/4 "	09-213-360	09-213-440	09-213-520	09-213-600

gerade  
 straight  
 droit  
 recta  
 retto

1:1



1:1



1:1



1:1



	Fig. 000	Fig. 00	Fig. 0	Fig. 1
	3.6 mm	4.4 mm	5.2 mm	6.8 mm
250 mm – 9 3/4 "	09-214-360	09-214-440	09-214-520	09-214-600

gebogen  
 curved  
 courbe  
 curva  
 curvo

1:2



1:1



1:1



1:1



1:1



	Fig. 00	Fig. 0	Fig. 1	Fig. 2
	2.8 mm	3.6 mm	4.4 mm	5.2 mm
200 mm – 8 "	09-216-990	09-215-000	09-215-010	09-215-020

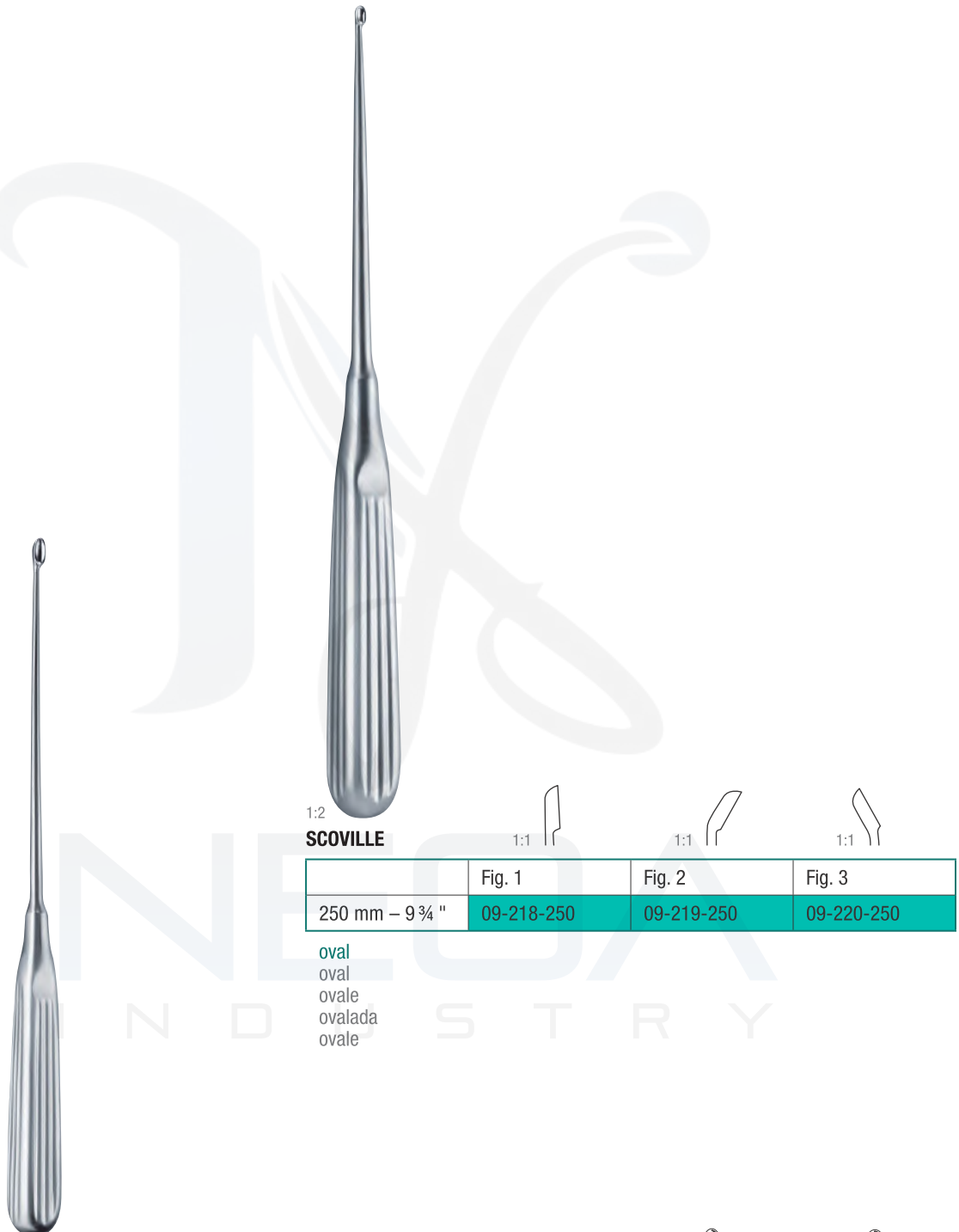
### DAUBENSPECK

1:2

NEOA  
 INDUSTRY

Scharfe löffel  
**Bone curettes**

*Curettes tranchantes*  
*Cucharillas cortantes*  
*Cucchiai taglienti*



**SCOVILLE**

	Fig. 1	Fig. 2	Fig. 3
250 mm – 9 ¾ "	09-218-250	09-219-250	09-220-250

oval  
oval  
ovale  
ovalada  
ovale

**LEMPERT**

	Fig. 00000	Fig. 0000	Fig. 000	Fig. 00	Fig. 0
	1.8 mm	2.0 mm	2.4 mm	2.6 mm	2.8 mm
215 mm – 8 ½ "	09-221-500	09-221-400	09-221-300	09-221-200	09-221-100

Scharfe doppellöffel  
*Bone curettes, double-ended*  
*Curettes doubles*  
*Cucharillas de doble extremo*  
*Curette doppie*



**VOLKMANN**

130 mm – 5 "	09-222-130	09-223-130
140 mm – 5 ½ "	09-222-140	
160 mm – 6 ¼ "		09-223-160
170 mm – 6 ¾ "	09-222-170	
200 mm – 8 "		09-223-200

oval / oval  
 oval / oval  
 ovale / ovale  
 ovalada / ovalada  
 ovale / ovale

rund / oval  
 round / oval  
 ronde / ovale  
 redonda / ovalada  
 rotondo / ovale

210 mm – 8 ¼ "	09-224-210
----------------	------------

rund / oval  
 round / oval  
 ronde / ovale  
 redonda / ovalada  
 rotondo / ovale

**Scharfe doppellöffel**  
**Bone curettes, double-ended**

*Curettes doubles*  
*Cucharillas de doble extremo*  
*Curette doppie*



**MARTINI**

	Fig. 00	Fig. 0	Fig. 1
	Fig. 0	Fig. 1	Fig. 2
135 mm – 5 ¼ "	09-225-000	09-225-001	09-225-012



**MARTINI**

	Fig. 00	Fig. 0	Fig. 1
	Fig. 0	Fig. 1	Fig. 2
155 mm – 6 "	09-226-000	09-226-100	09-226-110



**WILLIGER**

	Fig. 00	Fig. 0	Fig. 1
	Fig. 0	Fig. 1	Fig. 2
135 mm – 5 ¼ "	09-227-000	09-227-001	09-227-012




**WILLIGER**

	Fig. 00	Fig. 0	Fig. 1
	Fig. 0	Fig. 1	Fig. 2
155 mm – 6 "	09-228-000	09-228-100	09-228-110



### Raspatorien für die Kieferchirurgie *Periosteal elevators for maxillo-facial surgery*

*Rugines – Décolleurs pour la chirurgie maxillo-faciale*  
*Periostótomos para la cirugía máxilofacial*  
*Raspatori per chirurgia massilofaciale*



**OBWEGESER**

	6 mm	7 mm	9 mm	11 mm
170 mm – 6 ¾ "	09-229-060	09-229-070	09-229-090	09-229-110

	5 mm	7 mm	9 mm
200 mm – 8 "	09-230-050	09-230-070	09-230-090



**OBWEGESER-FREER**

210 mm – 8 ¼ "	09-231-210
----------------	------------

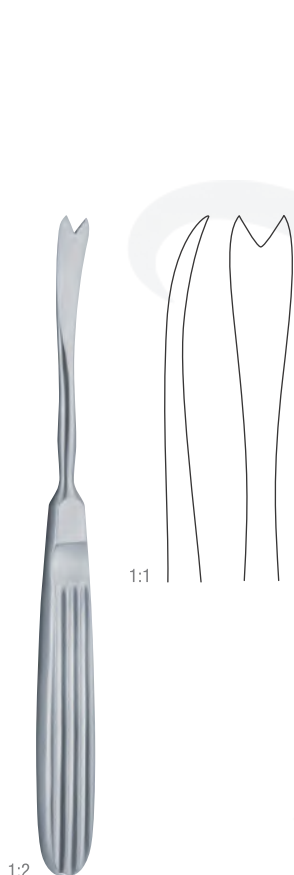


**OBWEGESER-FREER**

210 mm – 8 ¼ "	09-232-210
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### Raspatorien und Ahlen für die Kieferchirurgie *Periosteal elevators and awls for maxillo-facial surgery*

*Rugines, décolleurs et passe-fils pour chirurgie maxillo-faciale*  
*Periostótomos y leznas para la cirugía máxilofacial*  
*Raspatori, punteruoli per chirurgia massilofaciale*



1:2  
**OBWEGESER**

175 mm – 7 "	09-233-020
--------------	------------



1:2  
**OBWEGESER**

230 mm – 9 "	09-234-230
--------------	------------



**OBWEGESER**

180 mm – 7 "	09-235-180
230 mm – 9 "	09-235-230
280 mm – 11 "	09-235-280



1:2  
**OBWEGESER**

130 mm – 5 "	09-236-130
--------------	------------

Raspatorien – elevatorien  
*Periosteal raspatories – Elevators*

*Rugines – Elévateurs*  
*Raspatorios – Elevadores*  
*Periostotomi – Elevatori*



**DOYEN**

170 mm – 6 ¾ "	09-237-170	09-238-170
240 mm – 9 ½ "	09-237-240	

links  
 left  
 gauche  
 izquierda  
 sinistra

für Erwachsene  
 for adults  
 pour adultes  
 para adultos  
 per adulti

für Kinder  
 for children  
 pour enfants  
 para niños  
 per bambini



**DOYEN**

170 mm – 6 ¾ "	09-239-170	09-240-170
240 mm – 9 ½ "	09-239-240	

rechts  
 right  
 droite  
 derecha  
 destra

für Erwachsene  
 for adults  
 pour adultes  
 para adultos  
 per adulti

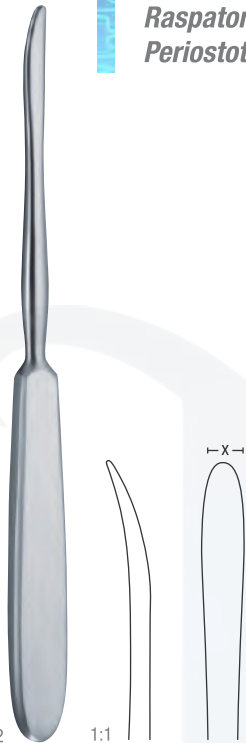
für Kinder  
 for children  
 pour enfants  
 para niños  
 per bambini



NEOA  
 INDUSTRY

### Raspatorien – elevatoriën Periosteal raspatories – Elevators

*Rugines – Elévateurs*  
*Raspatorios – Elevadores*  
*Periostotomi – Elevatori*

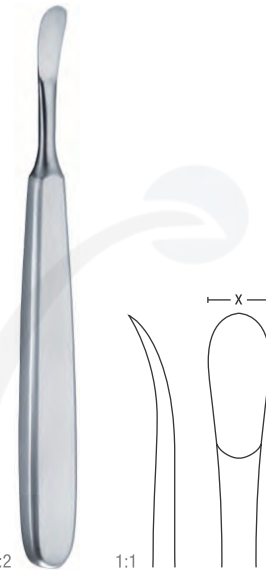


**QUERVAIN**

1:2

1:1

	x = 6 mm
195 mm – 7¾"	09-241-200

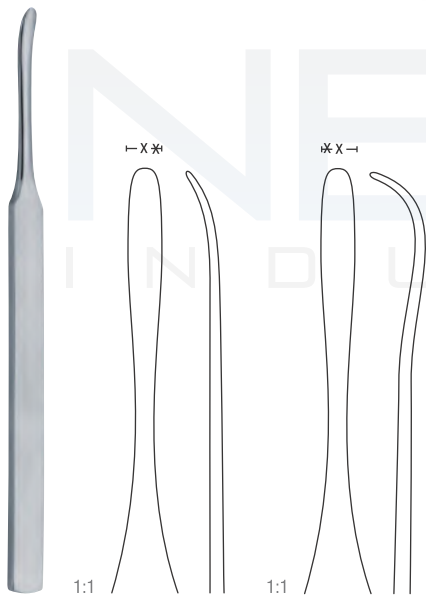


**TRELAT**

1:2

1:1

	x = 8 mm
150 mm – 6"	423-445-140



**KÖNIG**

1:2

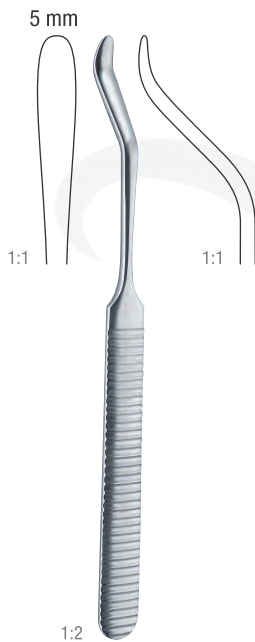
1:1

1:1

	x = 4.5 mm	x = 4.5 mm
155 mm – 6"	09-243-150	09-244-150

### Raspatorien – elevatori Periosteal raspatories – Elevators

Rugines – Elévateurs  
Raspatorios – Elevadores  
Periostotomi – Elevatori



160 mm – 6 ¼ " 09-245-160

#### ALDERDYCE

210 mm – 8 ¼ " 09-246-210



#### MCDONALD

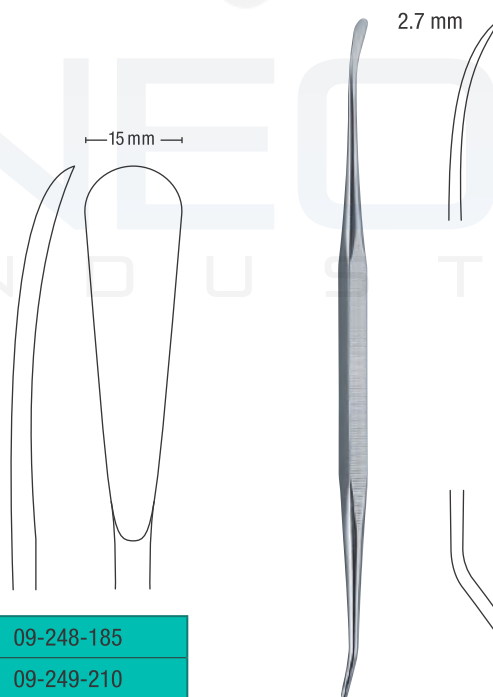
190 mm – 7 ½ " 09-247-190



#### SEDILLO T

185 mm – 7 ¼ " 09-248-185

210 mm – 8 ¼ " 09-249-210



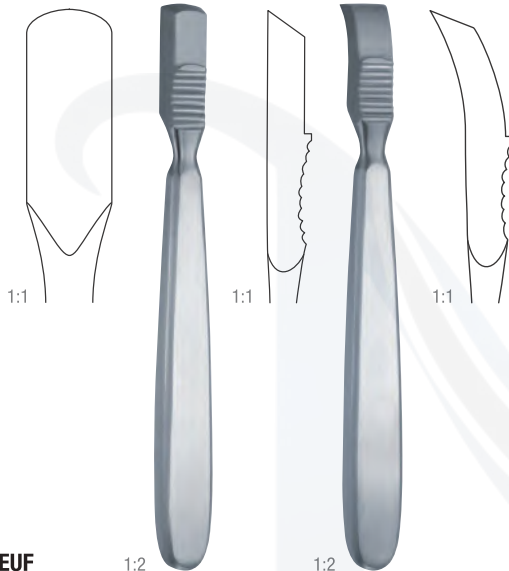
#### WATSON-CHEYNE

130 mm – 5 ⅛ " 09-250-130

190 mm – 7 ½ " 09-250-190

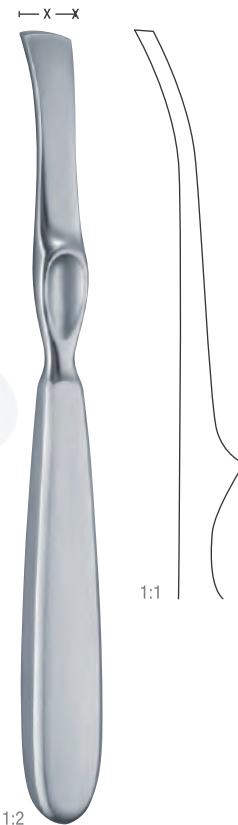
### Raspatorien – elevatori Periosteal raspatories – Elevators

Rugines – Elévateurs  
Raspatorios – Elevadores  
Periostotomi – Elevatori



**FARABEUF**

150 mm – 6"	09-251-150	09-252-150
gerade straight droit recta retto		gebogen curved courbe curva curvo



**LAMBOTTE**

	210 mm – 8 ¼"
x = 5 mm	09-253-050
x = 10 mm	09-253-100
x = 15 mm	09-253-150
x = 20 mm	09-253-200
x = 25 mm	09-253-250



**ADSON**

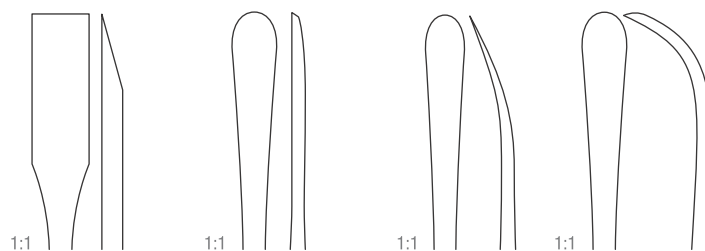
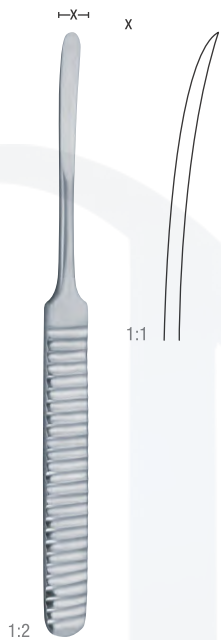


	Fig. 1	Fig. 2	Fig. 3	Fig. 4
170 mm – 6 ¾"	09-254-170	09-255-170	09-256-170	09-257-170

### Raspatorien – elevatori Periosteal raspatories – Elevators

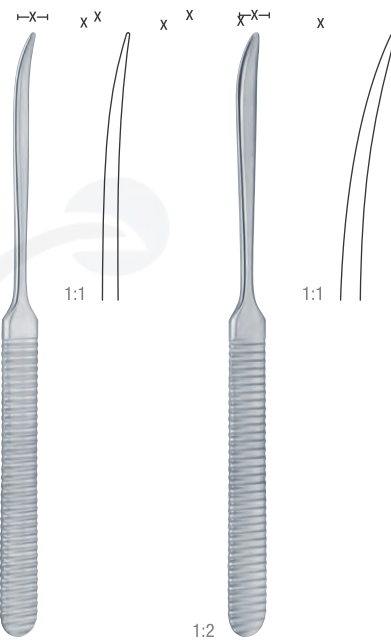
Rugines – Elévateurs  
Raspatorios – Elevadores  
Periostotomi – Elevatori



**WILLIGER**

1:2

	160 mm – 6 ¼ "
x = 4 mm	09-258-160
x = 5 mm	09-259-160

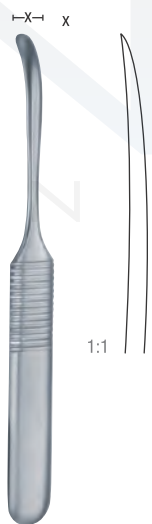


**WILLIGER**

1:2

1:2

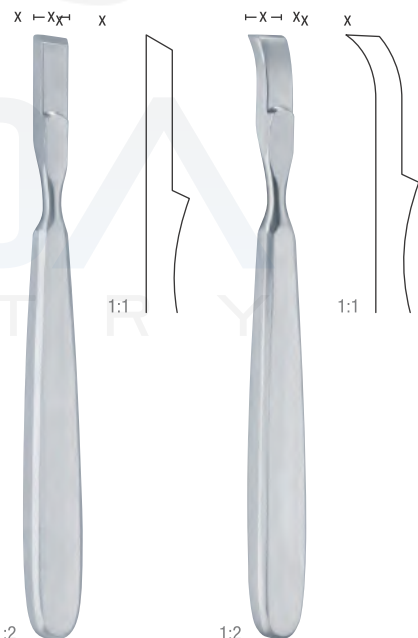
	x = 5 mm	x = 6.5 mm
160 mm – 6 ¼ "	09-260-160	09-261-170



**WILLIGER**

1:2

	x = 5 mm
130 mm – 5 "	09-263-130



**FARABEUF-  
COLLIN**

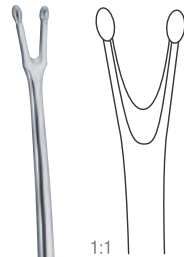
1:2

1:2

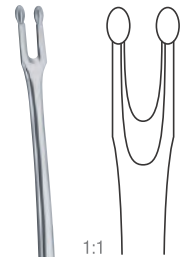
	x = 11 mm	x = 11 mm
160 mm – 6 ¼ "	09-264-160	09-265-160

Raspatorien – elevatorien  
*Periosteal raspatories – Elevators*

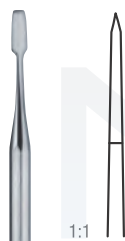
*Rugines – Elévateurs*  
*Raspatorios – Elevadores*  
*Periostotomi – Elevatori*



**OBWEGESER** 1:2  
 185 mm – 7 ¼ " 09-266-190



**OBWEGESER** 1:2  
 185 mm – 7 ¼ " 09-267-190



**OBWEGESER** 1:2



1:1



1:1



1:1

	2.5 mm	4 mm	6.5 mm
150 mm – 6 "	09-268-020	09-268-040	09-268-060



Raspatorien – elevatori  
*Periosteal raspatories – Elevators*

*Rugines – Elévateurs*  
*Raspatorios – Elevadores*  
*Periostotomi – Elevatori*



SEMB	1:2	1:2	1:2	1:2	1:2	1:2
175 mm – 7 "	210 mm – 8 ¼ "	175 mm – 7 "	210 mm – 8 ¼ "	225 mm – 8 ¾ "	220 mm – 8 ¾ "	
12 mm	12 mm	13 mm	13 mm	13 mm	15 mm	
09-269-010	09-269-020	09-269-030	09-269-040	09-269-050	09-269-090	

### Raspatorien – elevatorien Periosteal raspatories – Elevators

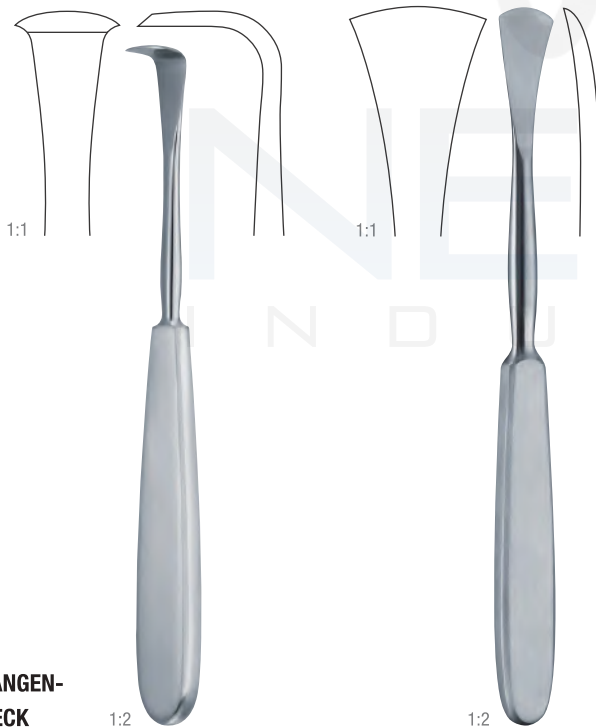
*Rugines – Elévateurs*  
*Raspatorios – Elevadores*  
*Periostotomi – Elevatori*



#### HOWARTH

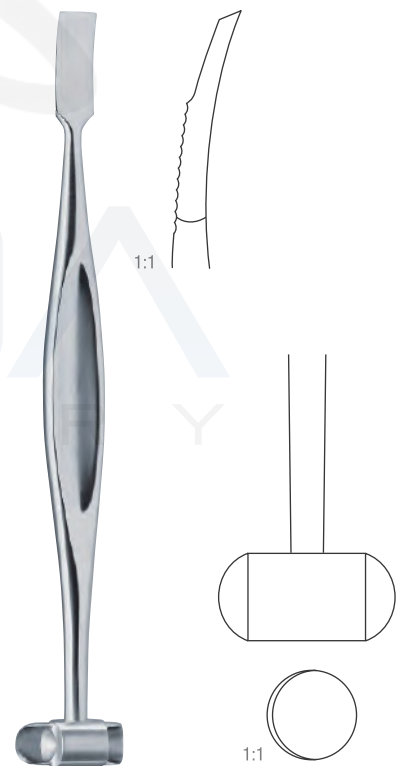
215 mm – 8 ½ "	09-270-210
----------------	------------

scharf / stumpf  
sharp / blunt  
pointu / mousse  
aguda / roma  
acuta / smussa



#### LANGEN- BECK

180 mm – 7 "	190 mm – 7 ½ "
09-271-180	09-272-190

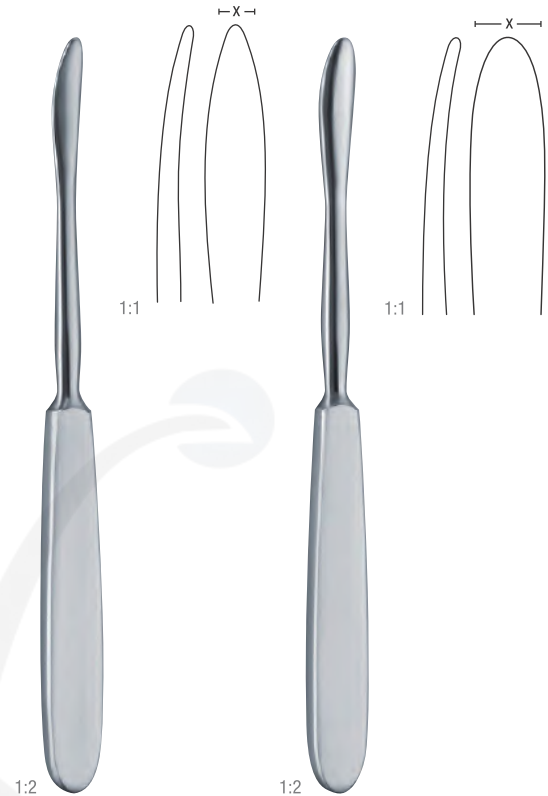


#### ALEXANDER

160 mm – 6 ¼ "	09-273-160
200 mm – 8 "	09-273-200

Raspatorien – elevatori  
*Periosteal raspatories – Elevators*

*Rugines – Elévateurs*  
*Raspatorios – Elevadores*  
*Periostotomi – Elevatori*



**LANGENBECK**

	x = 8 mm	x = 10 mm
200 mm – 8 "	09-274-200	09-275-200



**SEBILLEAU**

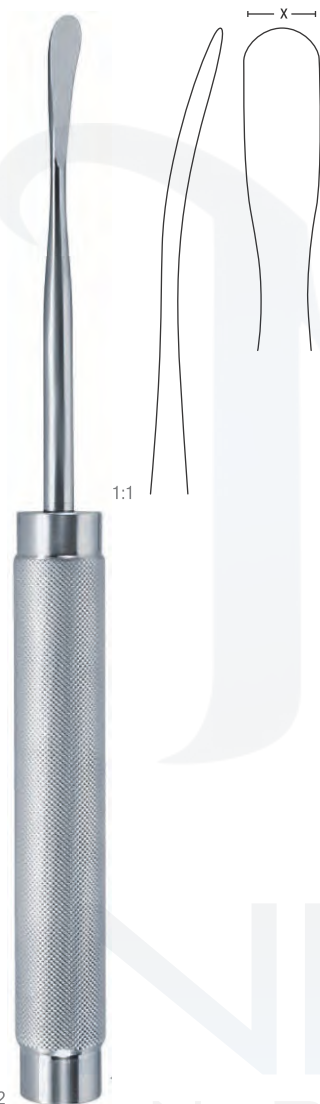
	x = 5 mm
175 mm – 7 "	09-277-170

175 mm – 7 "	09-276-170
--------------	------------

extrem leicht  
 extremely light  
 extrêmement léger  
 extremadamente ligero  
 estremamente leggera

### Raspatorien – elevatoren Periosteal raspatories – Elevators

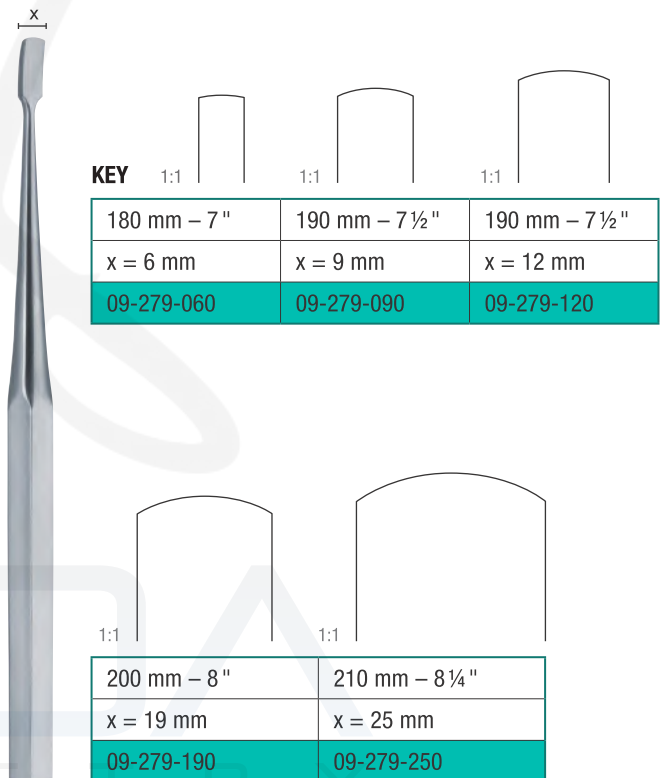
*Rugines – Elévateurs*  
*Raspatorios – Elevadores*  
*Periostotomi – Elevatori*



**COBB** 1:2

	290 mm – 11 ½"
x = 8 mm	09-278-008
x = 10 mm	09-278-010
x = 12 mm	09-278-012
x = 13 mm	09-278-013
x = 19 mm	09-278-019
x = 25 mm	09-278-025

Wirbelsäulen-Raspatorium  
Spinal raspatory  
Rugine vertebrale  
Raspador vertebral  
Periostotomo vertebrale



**KEY**

180 mm – 7"	190 mm – 7 ½"	190 mm – 7 ½"
x = 6 mm	x = 9 mm	x = 12 mm
09-279-060	09-279-090	09-279-120

200 mm – 8"	210 mm – 8 ¼"
x = 19 mm	x = 25 mm
09-279-190	09-279-250

### Raspatorien

#### Periosteal raspatories

*Rugines*  
*Raspatorios*  
*Periostotomi*



1:2

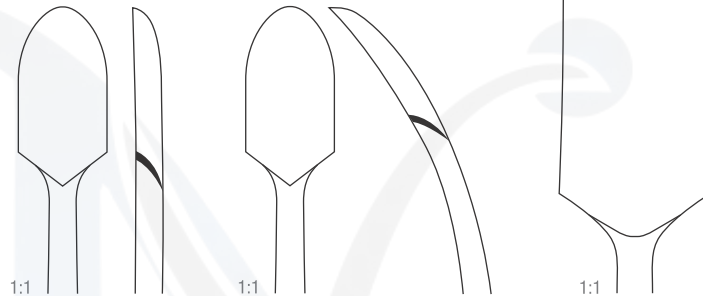


	Fig. 1	Fig. 2	Fig. 3
	14 mm	14 mm	20 mm
200 mm – 8 "	09-280-140	09-281-140	09-282-200

Ferrozellgriff  
Ferrozell handle  
Manche en Ferrozell  
Mango en Ferrozell  
Manico di Ferrozell

gerade  
straight  
droit  
recta  
retto

gebogen  
curved  
courbe  
curva  
curvo

gerade  
straight  
droit  
recta  
retto



1:2

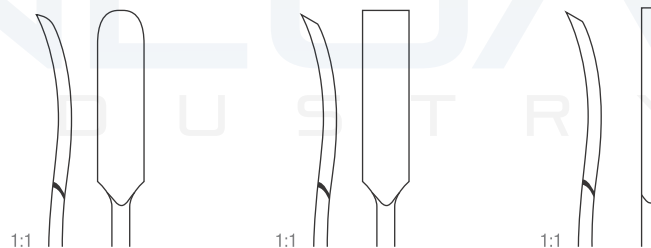


	Fig. 1	Fig. 2	Fig. 3
	6 mm	3 mm	6 mm
180 mm – 7 "	09-283-060	09-284-060	09-285-030

Ferrozellgriff  
Ferrozell handle  
Manche en Ferrozell  
Mango en Ferrozell  
Manico di Ferrozell

**Knochenhebel**  
**Bone levers**

*Leviers à os*  
*Elevadores para huesos*  
*Elevatori per ossa*



**HOHMANN**

220 mm – 8 ¾ "	240 mm – 9 ½ "	240 mm – 9 ½ "	240 mm – 9 ½ "
x = 8 mm	x = 18 mm	x = 43 mm	x = 70 mm
09-286-008	09-286-018	09-286-043	09-286-070

**Knochenhebel**  
**Bone levers**

*Leviers à os*  
*Elevadores para huesos*  
*Elevatori per ossa*



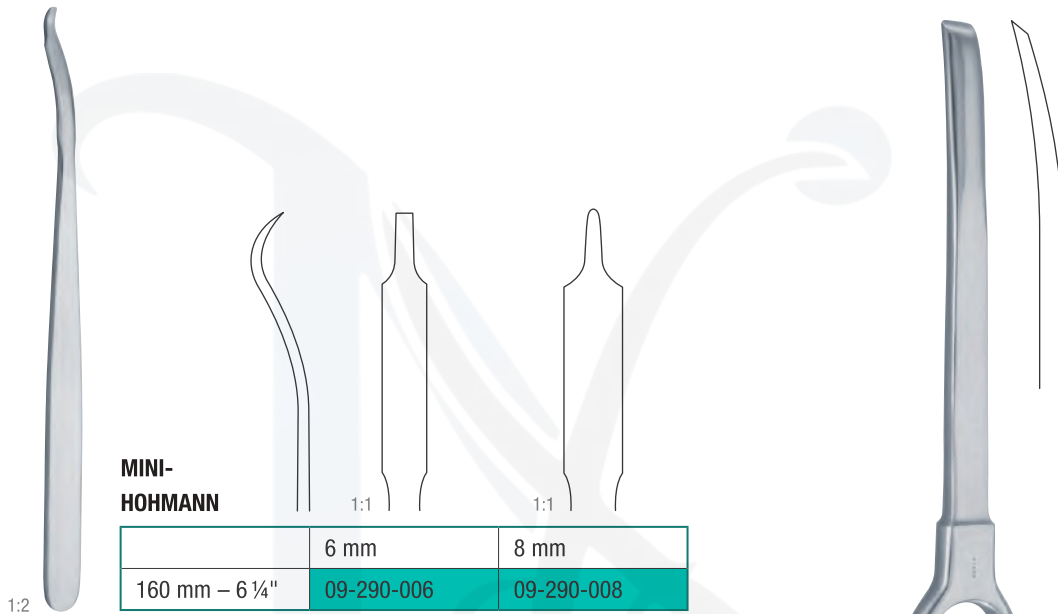
**HOHMANN**

245 mm – 9 ¾ "	260 mm – 10 ¼ "	280 mm – 11 "	265 mm – 10 ½ "	260 mm – 10 ¼ "
x = 43 mm	x = 22 mm	x = 33 mm	x = 24 mm	x = 22 mm
09-287-043	09-287-022	09-287-033	09-288-240	09-289-220

### Knochenhebel

#### Bone levers

Leviers à os  
Elevadores para huesos  
Elevatori per ossa



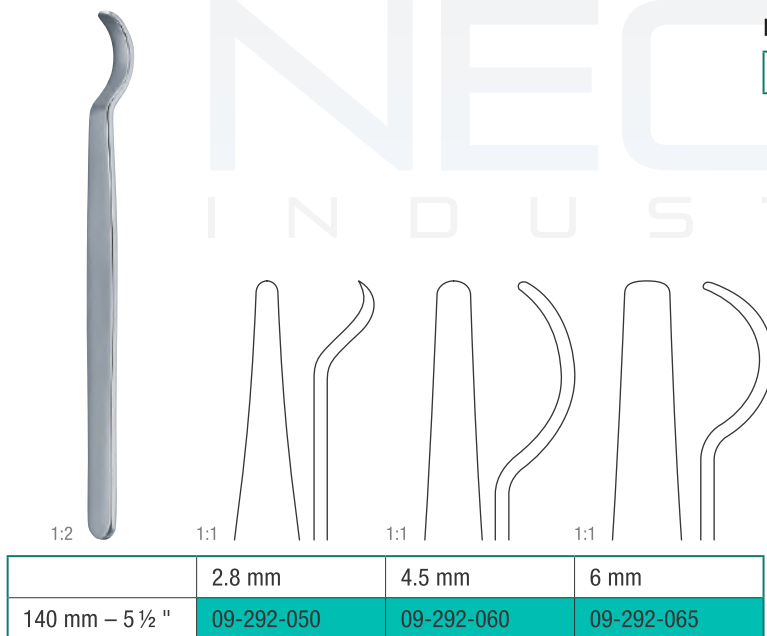
**MINI-HOHMANN**

	6 mm	8 mm
160 mm – 6 ¼"	09-290-006	09-290-008



**BRISTOW**

230 mm – 9"	09-291-230
-------------	------------



**LANE**

210 mm – 8 ¼"	09-293-270
---------------	------------

	2.8 mm	4.5 mm	6 mm
140 mm – 5 ½"	09-292-050	09-292-060	09-292-065



**Knochenhebel**  
**Bone levers**

*Leviers à os*  
*Elevadores para huesos*  
*Elevatori per ossa*



**BENNETT**

1:2

	240 mm – 9 ½ "
x = 43 mm	09-294-240
x = 60 mm	09-295-710



**MURPHY-LANE**

1:2

←18 mm→

340 mm – 13 ½ " 09-296-300

Luxationshebel  
Luxation lever  
Levier de luxation  
Palanca de luxación  
Leva per luxazione

**Knochenhebel**  
**Bone levers**

*Leviers à os*  
*Elevadores para huesos*  
*Elevatori per ossa*

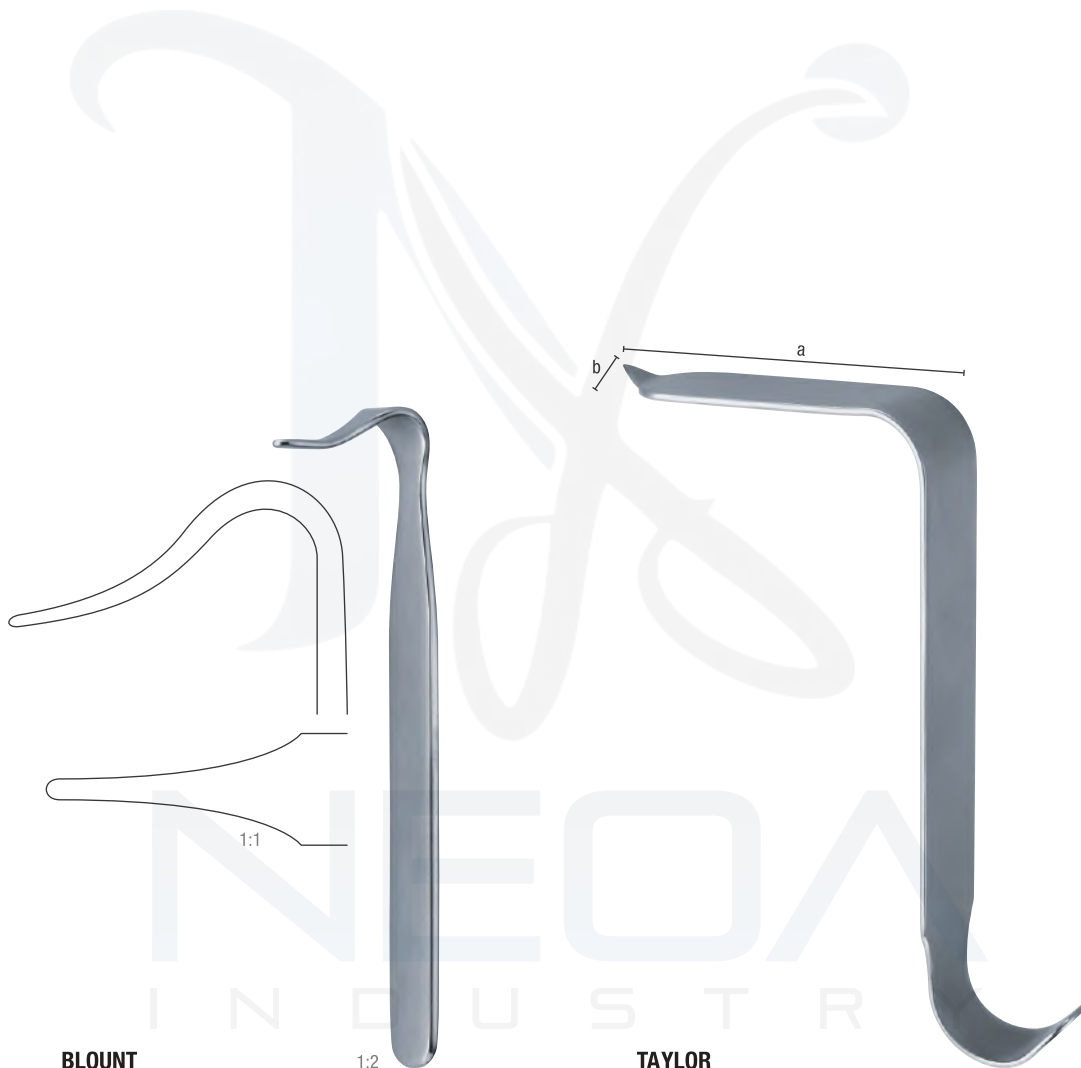


<b>BLOUNT</b>	1:2		1:2
260 mm – 10 ¼ "	09-297-260	09-298-260	

<b>LANGE-HOHMANN MOD.</b>	
265 mm – 10 ½ "	280 mm – 11 "
x = 30 mm	x = 33 mm
09-299-300	09-299-340

**Knochenhebel**  
**Bone levers**

*Leviers à os*  
*Elevadores para huesos*  
*Elevatori per ossa*



**BLOUNT**

1:2

175 mm – 7 "	09-300-170
--------------	------------

**TAYLOR**

	165 mm – 6 ½ "
a = 75 mm – b = 30 mm	09-301-160
a = 100 mm – b = 30 mm	09-302-160

meniskotome  
**Meniscotomy knives**

*Bistouries à ménisques*  
*Bisturías para meniscós*  
*Bisturi per menisco*

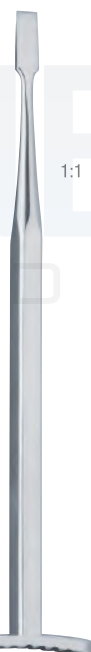


**BIRCHER**

1:2

190 mm – 7 ½ "

09-303-190



1:1



1:1



1:1

**SMILLIE**

1:2

1:2

1:2

170 mm – 6 ¾ "

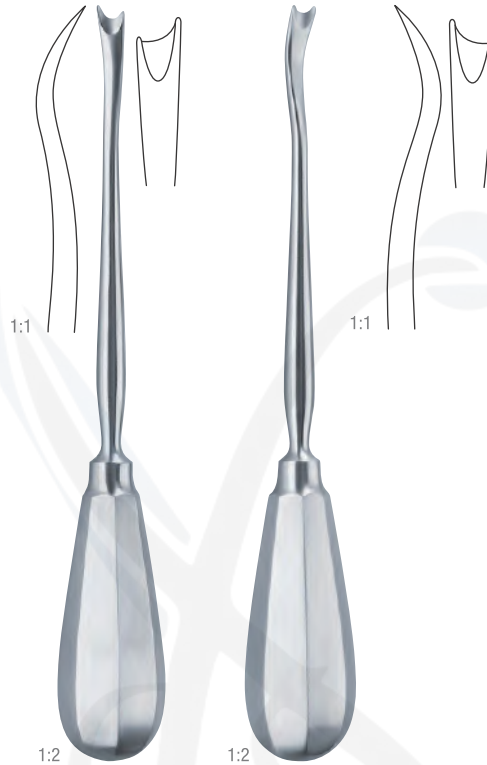
09-304-001

09-304-002

09-304-003

meniskotome  
**Meniscotomy knives**

*Bistouries à ménisques*  
*Bisturios para meniscós*  
*Bisturi per menisco*



**CANAD.  
MODELL**

	Fig. 1	Fig. 2
200 mm – 8 "	09-305-200	09-306-200



**NEFF**

1:2

1:1

1:1

220 mm – 8 ¾ "

links  
lvra

09-307-220

09-308-220

rechts  
right  
droite  
derecha  
destra



1:2

1:1

180 mm – 7 "

09-309-175

### Sehnenfasszangen Tendon strippers

*Instruments à écorcher les tendons*  
*Enucleadores de tendones*  
*Scollatendini*



1:2

1:1 

1:1 

1:1 

	4.0 mm Ø	4.5 mm Ø	5.5 mm Ø
230 mm – 9"	09-310-400	09-310-450	09-310-550

Schaft biegsam  
Malleable shaft  
Tige malléable  
Flecha maleable  
Asta malleabile

NEOA  
INDUSTRY



1:2

### BUNNELL

1:1 

1:1 

1:1 

	Fig. 1	Fig. 2	Fig. 3
150 mm – 6"	09-311-001	09-311-002	09-311-003

1:1 

1:1 

Fig. 4	Fig. 5
09-311-004	09-311-005

### Sehnenstripper Tendon strippers

*Instruments à écorcher les tendons*  
*Enucleadores de tendones*  
*Scollatendini*



**FISCHER**

1:2

310 mm – 12 ¼ " 09-312-310

**BUNNELL**

1:2

230 mm – 9 "  
09-313-230

Sehnedurchzugssonde  
Tendon passer  
Sonde conductrice pour tendons  
Sonda conductora de tendones  
Sonda conduttrice per tendini



1:2

**KLEINERT-  
KUTZ**

200 mm – 8 "  
20 mm Ø  
09-314-200

Sehnenfazzangen  
*Tendon holding forceps*

*Pinces pour saisir les tendons*  
*Pinzas para coger tendones*  
*Pinze per afferrare tendini*



BRAND

1:1



1:1



1:1



150 mm – 6 "

190 mm – 7 1/2 "

240 mm – 9 1/2 "

09-315-150

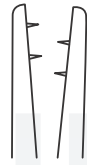
09-315-190

09-315-240



1:2

1:1



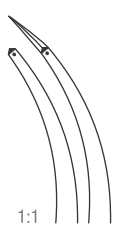
130 mm – 5 "

09-316-130



1:2

1:1



150 mm – 6 "

09-317-150

09-318-150



Hohlmeißelzangen  
**Bone rongeurs**

*Pinces gouges*  
*Pinzas gubias*  
*Pinze sgorbie*



LUER

1:1



1:1



	Fig. 1	Fig. 2
150 mm – 6"	09-319-150	09-320-150

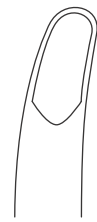


LUER

1:1



1:1



170 mm – 6 ¾"	09-321-170	09-322-170
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1:2

**MINI-FRIEDMANN**

120 mm – 4 ¾" 09-323-120



1:2

**FRIEDMANN**

140 mm – 5 ½" 09-324-140

Hohlmeißelzangen  
*Bone rongeurs*

*Pinces gouges*  
*Pinzas gubias*  
*Pinze sgorbie*



**BLUMENTHAL**



	Fig. 1	Fig. 2	Fig. 3
155 mm – 6 "	09-325-155	09-326-155	09-327-155

1:2



**JANSEN**

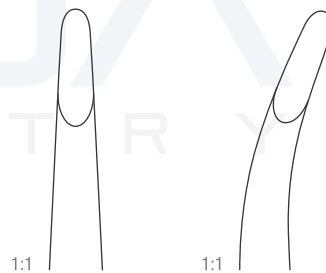
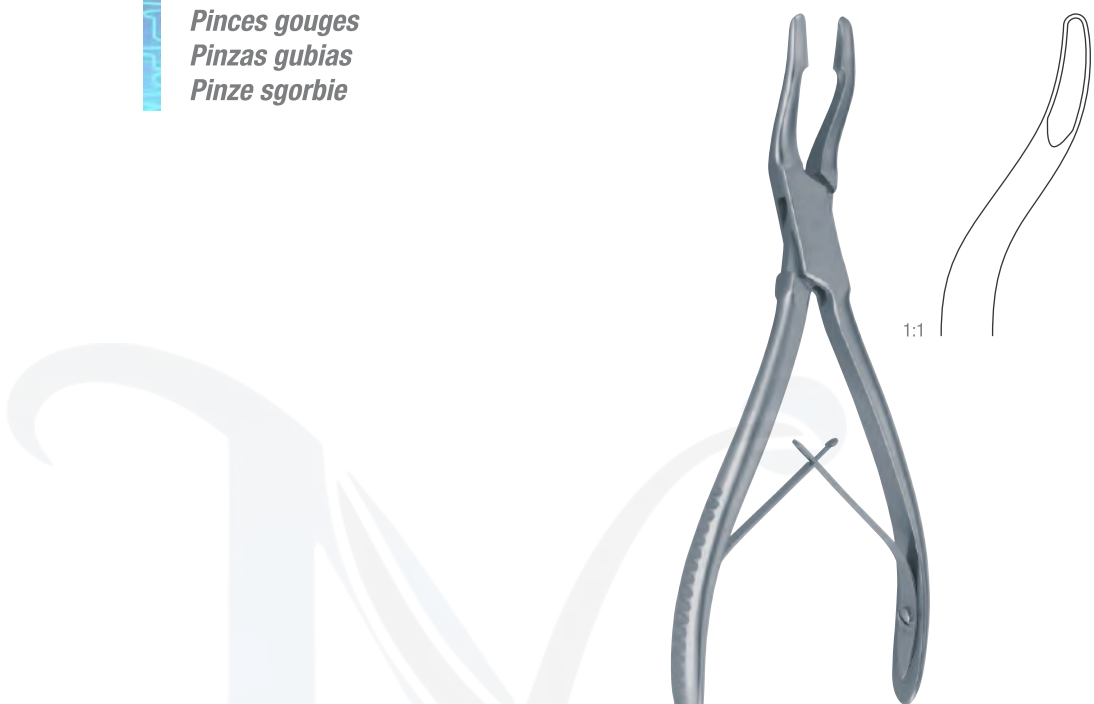


	Fig. 1	Fig. 2
180 mm – 7 "	09-328-180	09-329-180

1:2

Hohlmeißelzangen  
*Bone rongeurs*

*Pinces gouges*  
*Pinzas gubias*  
*Pinze sgorbie*



**JANSEN** 1:2

190 mm – 7 ½ "

332-163-190



**ADSON** 1:2

200 mm – 8 "

332-138-200



1:2  
**BACON**

210 mm – 8 ¼ "

09-332-200

Hohlmeißelzangen  
*Bone rongeurs*

*Pinces gouges*  
*Pinzas gubias*  
*Pinze sgorbie*



**LEMPERT**

160 mm – 6 ¼ "	09-333-160	09-334-160
190 mm – 7 ½ "	09-335-190	09-336-180



**STELLBRINK**

175 mm – 7 "	09-337-170	09-338-170
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leicht gebogen  
slightly curved  
légèrement courbe  
ligeramente curvada  
legermente curvata

stark gebogen  
strongly curved  
très courbe  
fuertemente curvada  
fortemente curvata

1:2

Hohlmeißelzangen  
*Bone rongeurs*

*Pinces gouges*  
*Pinzas gubias*  
*Pinze sgorbie*



**OLIVECRONA** 1:2

205 mm – 8"

09-339-200



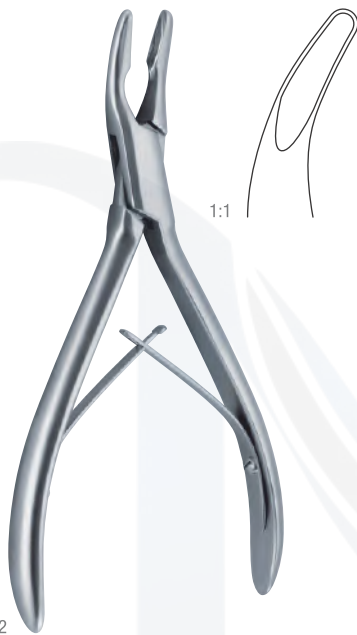
**HARTMANN**

175 mm – 7"

09-340-180

Hohlmeißelzangen  
*Bone rongeurs*

*Pinces gouges*  
*Pinzas gubias*  
*Pinze sgorbie*

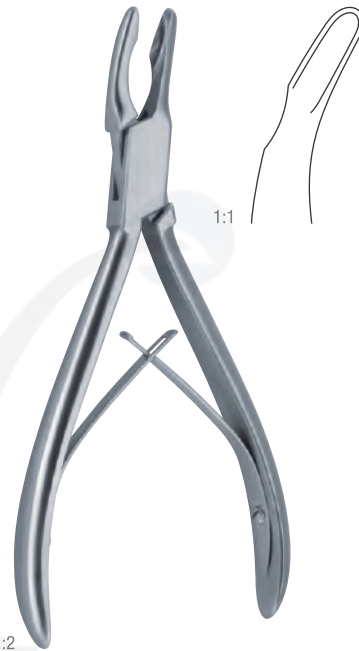


**MEAD**

1:2

165 mm – 6 ½ "

09-341-165



**CLEVELAND**

1:2

170 mm – 6 ¾ "

09-342-170



**CLEVELAND**

1:2

140 mm – 5 ½ "

09-343-140

Hohlmeißelzangen  
*Bone rongeurs*

*Pinces gouges*  
*Pinzas gubias*  
*Pinze sgorbie*



Hohlmeißelzangen  
*Bone rongeurs*

*Pinces gouges*  
*Pinzas gubias*  
*Pinze sgorbie*



1:2

**BEYER**

180 mm – 7"

09-348-180



1:2

**RUSKIN**

180 mm – 7"

09-349-180

09-350-180



1:2

**MAYFIELD**

175 mm – 7"

09-351-170



Hohlmeißelzangen  
**Bone rongeurs**

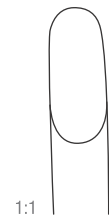
*Pinces gouges*  
*Pinzas gubias*  
*Pinze sgorbie*



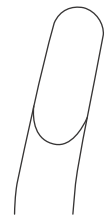
1:2

**STILLE-  
RUSKIN**

230 mm – 9"



1:1



1:1

09-352-230	09-353-230
------------	------------



1:2

**STILLE**

1:1



1:1



1:1



	4 mm	6 mm	8 mm
230 mm – 9"	09-354-230	09-355-230	09-356-230

Hohlmeißelzangen  
*Bone rongeurs*

*Pinces gouges*  
*Pinzas gubias*  
*Pinze sgorbie*



**STILLE-LUER**

220 mm – 8 ¾ "	09-357-220	09-358-220
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**LEKSELL**

	4 mm	5 mm	8 mm
240 mm – 9 ½ "	09-359-040	09-359-050	09-359-080

Hohlmeißelzangen  
*Bone rongeurs*

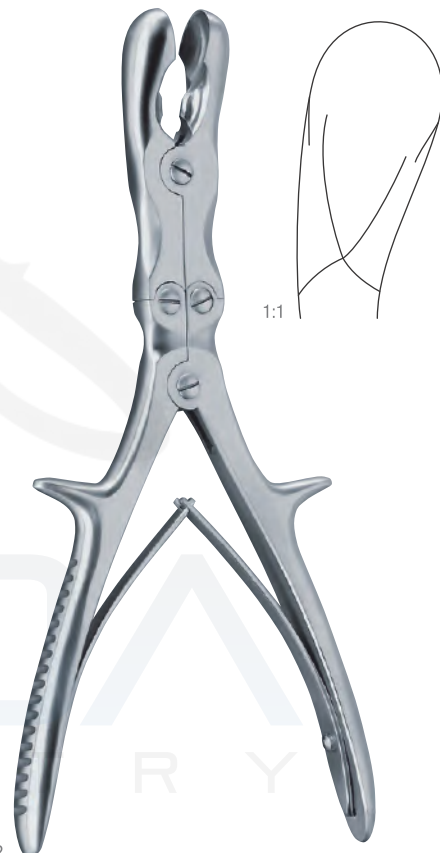
*Pinces gouges*  
*Pinzas gubias*  
*Pinze sgorbie*



1:2  
**RÖTTGEN-  
RUSKIN**

230 mm – 9"

09-350-230



1:2  
**SEMB**

225 mm – 9"

09-360-220

Hohlmeißelzangen  
*Bone rongeurs*

*Pinces gouges*  
*Pinzas gubias*  
*Pinze sgorbie*



**ECHLIN**



	2 mm	3 mm	4 mm
230 mm – 9"	09-361-020	09-361-030	09-361-040



1:2

**FRYKHOLM**



1:1

240 mm – 9 ½"	09-362-240
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Hohlmeißelzangen  
*Bone rongeurs*

*Pinces gouges*  
*Pinzas gubias*  
*Pinze sgorbie*



SAUERBRUCH

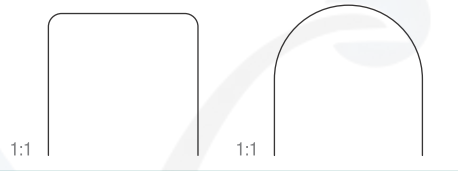
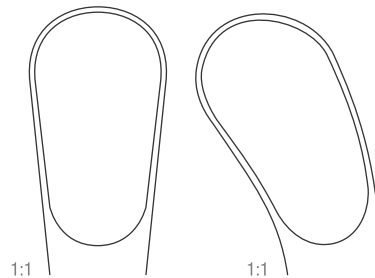


	Fig. 1	Fig. 2
300 mm – 12"	09-363-300	09-364-300



LUER-STILLE



230 mm – 9"	09-365-230	09-366-230
270 mm – 10 3/4"	09-365-270	09-366-270

**Knochensplitterzangen**  
**Bone cutting forceps**

*Pinces coupantes à os*  
*Pinzas cortantes para huesos*  
*Cesoie per ossa*



1:2  
**COTTLE-  
KAZANJIAN**

190 mm – 7 ½ "

1:1

09-367-190



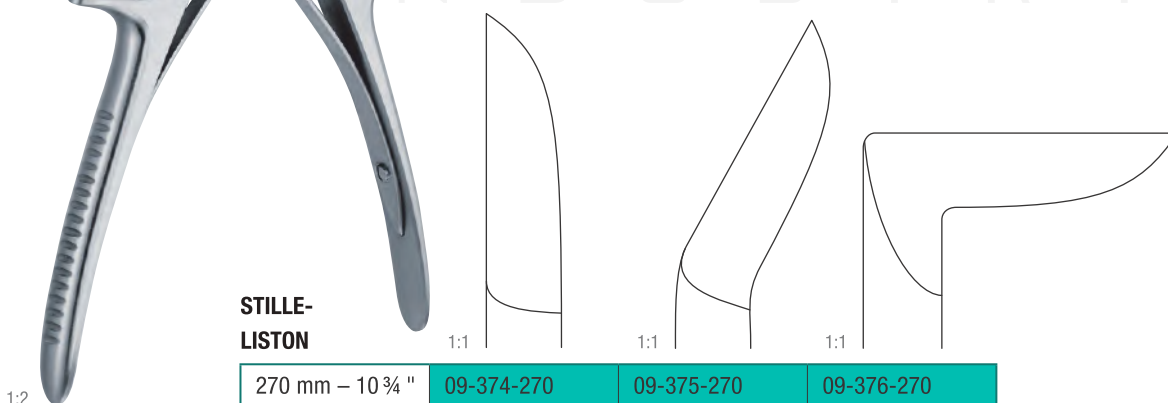
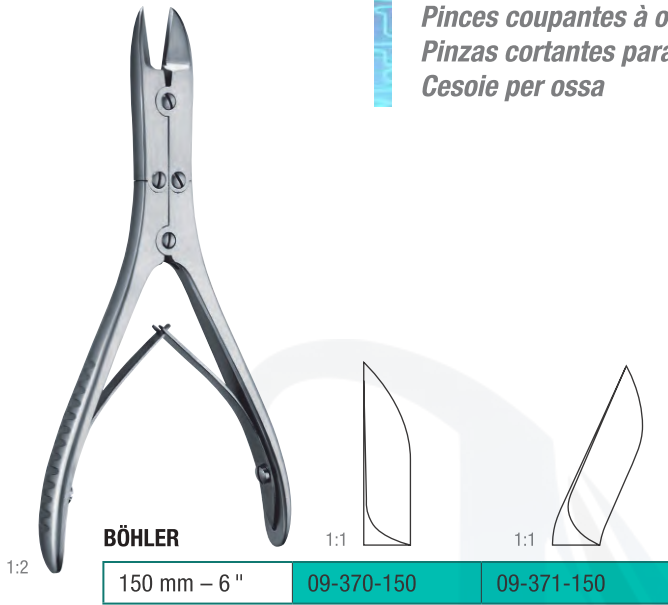
**LISTON**

140 mm – 5 ½ "	09-368-140	09-369-140
170 mm – 6 ¾ "	09-368-170	09-369-170
190 mm – 7 ½ "	09-368-190	09-369-190
220 mm – 8 ¾ "	09-368-220	09-369-220

### Knochensplitterzangen

#### Bone cutting forceps

*Pinces coupantes à os*  
*Pinzas cortantes para huesos*  
*Cesoie per ossa*



**Knochensplitterzangen**  
**Bone cutting forceps**

*Pinces coupantes à os*  
*Pinzas cortantes para huesos*  
*Cesoie per ossa*

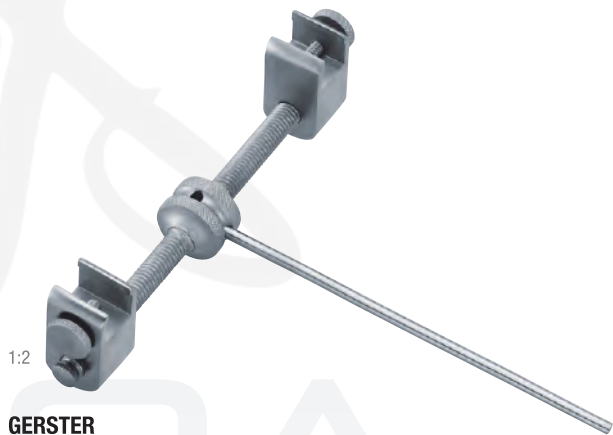


INDUSTRY



Knochenhalteklammern – Knochenhaltezangen  
*Bone holding clamps – Bone holding forceps*

*Daviers à os – Daviers porte-os*  
*Pinzas porta huesos – Pinzas para huesos*  
*Tenaglie per ossa*



### GERSTER-LOWMANN

130 mm – 5 "	x = 22 mm	09-379-130
180 mm – 7 "	x = 28 mm	09-379-180
200 mm – 8 "	x = 35 mm	09-379-200
220 mm – 8 ¾ "	x = 40 mm	09-379-220

### GERSTER

150 mm – 6 "	09-380-150
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**Knochenhalte­zangen – Repositionszangen**  
**Bone holding forceps – Reposition forceps**

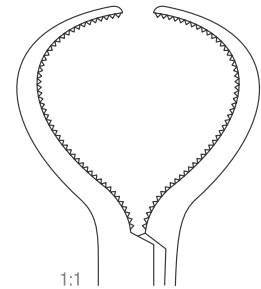
*Daviers porte-os – Pincas de reposition*  
*Pinzas para huesos – Pinzas para reposición*  
*Tenaglie per ossa – Pinze per riposizioni*



1:2  
 135 mm – 5 ¼" 09-381-140



**LEWIN** 1:2  
 175 mm – 7" 09-382-175



1:2  
 140 mm – 5 ½" 09-383-140

Knochenhalteklammern – Knochenhaltezangen  
*Bone holding clamps – Bone holding forceps*

*Daviers à os – Daviers porte-os*  
*Pinzas porta huesos – Pinzas para huesos*  
*Tenaglie per ossa*



**FERGUSSON**

1:2

210 mm – 8 ¼ "

09-384-210

**VAN BUREN**

1:2

230 mm – 9 "

09-385-230

### Knochenhaltezangen

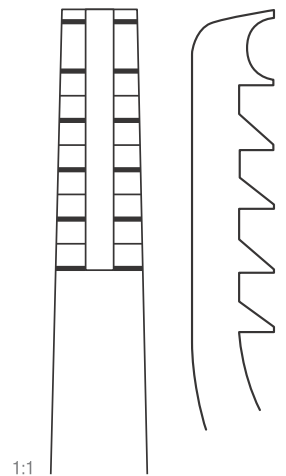
#### *Bone holding forceps*

*Daviers porte-os*  
*Pinzas para huesos*  
*Tenaglie per ossa*



**LANGENBECK** 1:2

210 mm – 8 ¼ " 09-386-210



**SEMB** 1:2

190 mm – 7 ½ " 09-387-190

### Knochenhalte­zangen

#### Bone holding forceps

*Daviers porte-os*  
*Pinzas para huesos*  
*Tenaglie per ossa*



1:2

**DINGMANN**

190 mm – 7 ½ "

09-388-190



1:2

1:1

1:1

200 mm – 8 "

09-389-200

09-390-200

**Sequesterzange**  
 Sequestrum forceps  
 Pince pour Sequestrum  
 Pinza para Sequestrum  
 Pinza per Sequestrum

**Knochenhalte­zangen**  
**Bone holding forceps**

*Daviers porte-os*  
*Pinzas para huesos*  
*Tenaglie per ossa*



**FARABEU**

230 mm – 9"	09-391-230
260 mm – 10 ¼"	09-391-260



**FARABEU-LAMBO TTE**

260 mm – 10 ¼"	09-392-260
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### Knochenhaltezangen

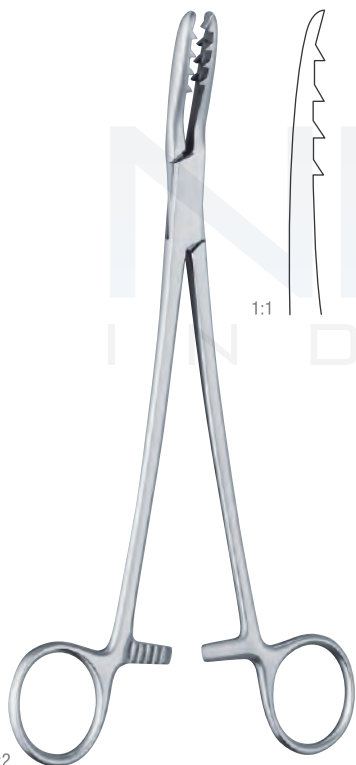
#### Bone holding forceps

*Daviers porte-os*  
*Pinzas para huesos*  
*Tenaglie per ossa*



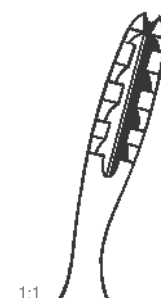
#### MARTIN

160 mm – 6 ½ "	09-393-160
190 mm – 7 ½ "	09-393-190



#### BIRCHER-GANSKE

200 mm – 8 "	09-394-200	09-395-200
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**Knochenhaltezangen**  
**Bone holding forceps**

*Daviers porte-os*  
*Pinzas para huesos*  
*Tenaglie per ossa*



**HEY GROVES**

210 mm – 8 ¼ "	x = 6.5 mm	09-396-210
270 mm – 10 ¾ "	x = 7.5 mm	09-396-270
305 mm – 12 "	x = 8.5 mm	09-396-305



**Knochenhaltezangen**  
**Bone holding forceps**

*Daviers porte-os*  
*Pinzas para huesos*  
*Tenaglie per ossa*

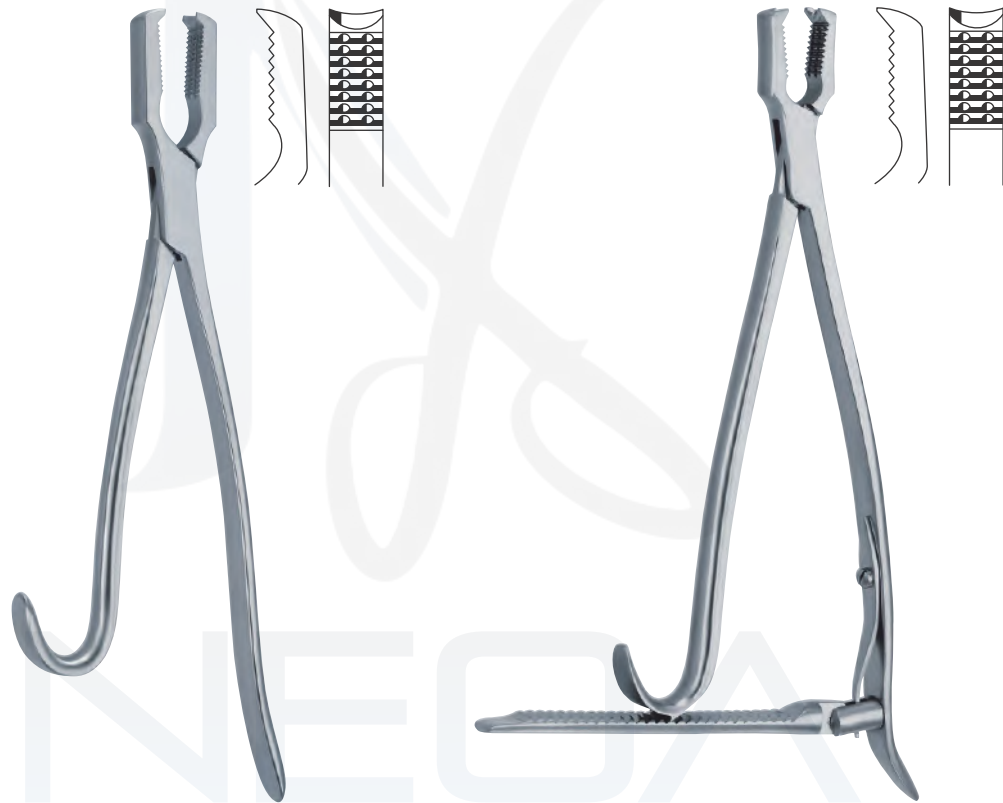


**VERBRUGGE**

175 mm – 7 "	250 mm – 10 "	260 mm – 10 ¼ "	270 mm – 10 ¾ "
x = 5.0 mm	x = 9.5 mm	x = 10.5 mm	x = 12.0 mm
09-397-175	09-397-250	09-397-260	09-397-270

**Knochenhaltezangen**  
**Bone holding forceps**

*Daviers porte-os*  
*Pinzas para huesos*  
*Tenaglie per ossa*



**KERN**

170 mm – 6 ¾ "	09-398-170	09-399-170
210 mm – 8 ¼ "	09-398-210	09-399-210

Knochenhalte­zangen  
*Bone holding forceps*

*Daviers porte-os*  
*Pinzas para huesos*  
*Tenaglie per ossa*



**LANE**

330 mm – 13 "	09-400-330	09-401-330
450 mm – 17 ¾ "	09-400-450	09-401-450

### Knochenhaltezangen

#### *Bone holding forceps*

*Daviers porte-os*  
*Pinzas para huesos*  
*Tenaglie per ossa*



#### LAMBOTTE

220 mm – 8 ¾ "	09-402-220
270 mm – 10 ¾ "	09-402-270
300 mm – 12 "	09-402-300

ein Maulteil beweglich  
 one jaw mobile  
 un mors mobile  
 una boca movable  
 una parte del morso mobile

150 mm – 6 "	x = 2.5 mm	09-403-150
190 mm – 7 ½ "	x = 6.5 mm	09-403-190
240 mm – 9 ½ "	x = 9.5 mm	09-403-240
260 mm – 10 ¼ "	x = 10.0 mm	09-403-260
280 mm – 11 "	x = 11.0 mm	09-403-280

selbstzentrierend  
 self-centering  
 auto-centreur  
 autocentrante  
 autocentrante

### Knochenhaltezzangen

#### *Bone holding forceps*

*Daviers porte-os*  
*Pinzas para huesos*  
*Tenaglie per ossa*



#### ULRICH

230 mm – 9 "	09-404-230	09-406-230
250 mm – 9 ¾ "	09-404-250	09-406-250
280 mm – 11 "	09-404-280	09-406-280

160 mm – 6 ¼ "	09-405-160
240 mm – 9 ½ "	09-405-240

kniegebogen  
 angular  
 coudée  
 acodada  
 angolata

**Knochenhalte­zangen – Repositionszangen**  
**Bone holding forceps – Reposition forceps**

*Daviers porte-os – Pincés de reposition*  
*Pinzas para huesos – Pinzas para reposición*  
*Tenaglie per ossa – Pinze per riposizione*



1:2

135 mm – 5¼" 09-407-135



1:1

1:2

**REILL**

170 mm – 6¾" 09-408-170



1:1

1:2

200 mm – 8" 09-409-200



1:1

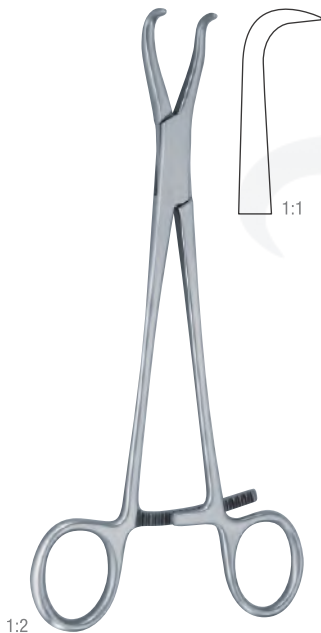
1:2

135 mm – 5¼" 09-410-135

**für Kieferreposition**  
 for maxillary reposition  
 pour reposition mandibulaire  
 para reposición mandibular  
 per riposizione mandibulare

### Repositionszangen *Reposition forceps*

*Pinces de reposition*  
*Pinzas para reposición*  
*Pinze per riposizione*



#### HAASE

165 mm – 6½" 09-411-165

für Unterkieferfrakturen  
for mandibular fractures  
pour fractures mandibulaires  
para fracturas del mandíbulo  
per fratture mandibulare



95 mm – 3¾" 09-412-095



185 mm – 7¼" 09-413-180

Patellazange  
Patella forceps  
Pince pour la rotule  
Pinza para la rótula  
Pinza per rotula



210 mm – 8¼"

09-414-210  
Knöchelfasszange  
Malleolar forceps  
Pince pour la malléole  
Pinza para el maleólo  
Pinza per malleolo

draht-instrumentarium  
*Wire instruments*

*Instruments pour cerclage*

*Instrumental para cerclaje*

*Strumenti per filo di cerchiaggio*



DEMEL

1:2

	280 mm – 11 "
x = 32 mm	09-415-010
x = 45 mm	09-415-020
x = 62 mm	09-415-030



DEMEL

1:2

280 mm – 11 "	09-416-280
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draht-instrumentarium  
*Wire instruments*

*Instruments pour cerclage*

*Instrumental para cerclaje*

*Strumenti per filo di cerchiaggio*



**LOUTE**

1:2

210 mm – 8 ¼ "

09-417-210



0.2 mm Ø	09-418-020
0.3 mm Ø	09-418-030
0.4 mm Ø	09-418-040
0.5 mm Ø	09-418-050
0.6 mm Ø	09-418-060
0.7 mm Ø	09-418-070
0.8 mm Ø	09-418-080
0.9 mm Ø	09-418-090
1.0 mm Ø	09-418-100
1.2 mm Ø	09-418-120
1.5 mm Ø	09-418-150



1:2

130 mm – 5 "

09-419-000

Knochendraht, weich, in Ringen à 10 m  
Bone wire, soft, in coils of 10 m  
Fil de cerclage, souple, de 10 m  
Alambre de cerclaje, blando, de 10 m  
Filo per ossa, morbida, anelli da 10 m

drahtschneidezangen  
*Wire cutting forceps*

*Pincès coupantes*  
*Alicates para cortar alambre*  
*Pinze taglia filo*



1:2

185 cm – 7 ¼ "	09-420-180
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Kopfschneider, durchbohrt für harte Drähte bis 1.6 mm Ø  
Wire cutting forceps for hard wires up to 1.6 mm Ø  
Pince coupante pour fils durs à 1.6 mm Ø  
Alicate para alambres duros hasta 1.6 mm Ø  
Pinza taglia fili per fili duri fino a 1.6 mm Ø

	TC
470 mm – 18 ½ "	09-421-470
570 mm – 22 ½ "	09-421-560

für Kirschner Drähte und Steinmann Nägel bis 6 mm Ø  
for Kirschner wires and Steinmann pins up to 6 mm Ø  
pour des broches Kirschner et clous Steinmann à 6 mm Ø  
para agujas de Kirschner y clavos de Steinmann hasta 6 mm Ø  
per fili Kirschner e chiodi Steinmann fino a 6 mm Ø

TC
09-421-470/1

Hartmetallplättchen alleine  
tungsten carbide inlay only  
plaquettes de carbure de tungstène  
inserto de carburo de tungsteno  
inserti carburo di tungsteno

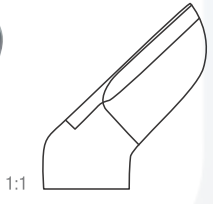
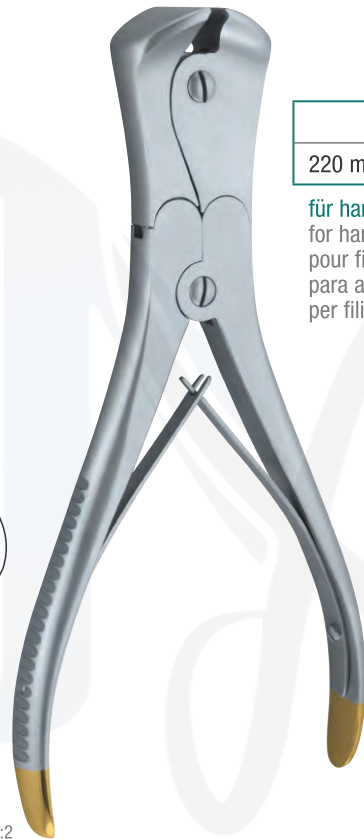
drahtschneidezangen  
*Wire cutting forceps*

*Pinces coupantes*  
*Alicates para cortar alambre*  
*Pinze taglia filo*



	<b>TC</b>
220 mm – 8 ¾ "	09-422-220

für harte Drähte bis 2.2 mm Ø, für weiche Drähte bis 3 mm Ø  
for hard wires up to 2.2 mm Ø, for soft wires up to 3 mm Ø  
pour fils durs à diam. 2.2 mm Ø, pour fils souples à 3 mm Ø  
para alambres duros hasta 2.2 mm Ø, y alambres blandos de 3 mm Ø  
per fili duri fina 2.2 mm Ø, per fili morbidi fino a 3 mm Ø



	<b>TC</b>
220 mm – 8 ¾ "	09-423-220

für harte Drähte bis 2.2 mm Ø, für weiche Drähte bis 2.8 mm Ø  
for hard wires up to 2.2 mm Ø, for soft wires up to 2.8 mm Ø  
pour fils durs à 2.2 mm Ø, pour fils souples à 2.8 mm Ø  
para alambres duros hasta 2.2 mm Ø, y alambres blandos de 2.8 mm Ø  
per fili duri fina 2.2 mm Ø, per fili morbidi fino a 2.8 mm Ø



	<b>TC</b>
230 mm – 9 "	09-424-230

für harte Drähte bis 2.2 mm Ø, für weiche Drähte bis 3 mm Ø  
for hard wires up to 2.2 mm Ø, for soft wires up to 3 mm Ø  
pour fils durs à 2.2 mm Ø, pour fils souples à 3 mm Ø  
para alambres duros hasta 2.2 mm Ø, y alambres blandos de 3 mm Ø  
per fili duri fina 2.2 mm Ø, per fili morbidi fino a 3 mm Ø

drahtschneidezangen  
*Wire cutting forceps*

*Pinces coupantes*  
*Alicates para cortar alambre*  
*Pinze taglia filo*



REILL 1:2

	TC
180 mm – 7 "	09-425-170

für harte Drähte bis 1.5 mm Ø, für weiche Drähte bis 2 mm Ø  
for hard wires up to 1.5 mm Ø, for soft wires up to 2 mm Ø  
pour fils durs à 1.5 mm Ø, pour fils souples à 2 mm Ø  
para alambres duros hasta 1.5 mm Ø, y alambres blandos de 2 mm Ø  
per fili duri fina 1.5 mm Ø, per fili duri morbidi fino a 2 mm Ø



1:2

	TC
180 mm – 7 "	09-426-180

für harte Drähte bis 1.7 mm Ø, für weiche Drähte bis 2 mm Ø  
for hard wires up to 1.7 mm Ø, for soft wires up to 2 mm Ø  
pour fils durs à 1.7 mm Ø, pour fils souples à 2 mm Ø  
para alambres duros hasta 1.7 mm Ø, y alambres blandos de 2 mm Ø  
per fili fina 1.7 mm Ø, per fili morbidi fino a 2 mm Ø



1:2

	TC
150 mm – 6 "	09-427-150

für harte Drähte bis 1 mm Ø, für weiche Drähte bis 1.5 mm Ø  
for hard wires up to 1 mm Ø, for soft wires up to 1.5 mm Ø  
pour fils durs à 1 mm Ø, pour fils souples à 1.5 mm Ø  
para alambres duros hasta 1 mm Ø, y alambres blandos de 1.5 mm Ø  
per fili duri fina 1 mm Ø, per fili morbidi fino a 1.5 mm Ø



1:2

	TC
145 mm – 5 ¾ "	09-428-140

für harte Drähte bis 1 mm Ø  
for hard wires up to 1 mm Ø  
pour fils durs à 1 mm Ø  
para alambres duros hasta 1 mm Ø  
per fili duri fino a 1 mm Ø

drahtschneidezangen  
*Wire cutting forceps*

*Pinces coupantes*  
*Alicates para cortar alambre*  
*Pinze taglia filo*



1:2

	<b>TC</b>
260 mm – 10 ¼ "	09-429-260

für harte Drähte bis 3 mm Ø  
for hard wires up to 3 mm Ø  
pour fils durs à 3 mm Ø  
para alambres duros hasta 3 mm Ø  
per fili duri fino a 3 mm Ø

Technische zangent

*Technical forceps*

*Pinces techniques*

*Pinzas técnicas*

*Pinze tecniche*



130 mm – 5"	09-430-130
180 mm – 7"	09-430-180



130 mm – 5"	09-431-130
170 mm – 6¾"	09-431-170

technische zangen  
*Technical forceps*  
*Pinces techniques*  
*Pinzas técnicas*  
*Pinze tecniche*



1:2

170 mm – 6 ¾ " 09-432-170



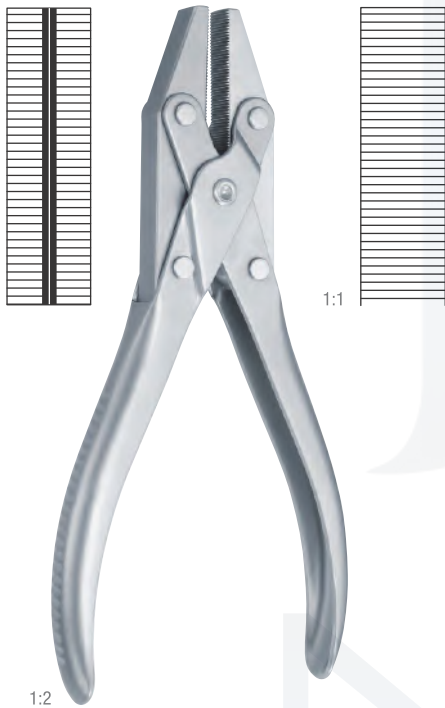
1:2

190 mm – 7 ½ " 09-433-190

Technische Zange, verstellbar  
 Technical forceps, adjustable  
 Pince technique, ajustable  
 Pinza técnica, ajustable  
 Pinza tecnica, regolabile

Technische zangen  
**Technical forceps**

*Pinces techniques*  
*Pinzas técnicas*  
*Pinze tecniche*



1:2  
185 mm – 7 ¼ " 09-434-170

Drahtbiegezange  
Wire bending forceps  
Pince à couder  
Pinza para torcer  
Pinza per piegare



1:2  
185 mm – 7 ¼ " 09-435-180

Flachzange mit Seitenschneider, parallelfassend, für harte Drähte bis 1.6 mm Ø  
Flat nose plier, parallel grip, incorporated cutter, for hard wires up to 1.6 mm Ø  
Pince à couder avec coupe latéral, pour des fils durs à de 1.6 mm Ø  
Pinza para torcer con corte lateral, para alambres hasta 1.6 mm Ø  
Pinza, morso piatto parallelo e taglia fili laterale fino a 1.6 mm Ø



180 mm – 7 " 09-436-180  
200 mm – 8 " 09-436-200  
240 mm – 9 ½ " 09-436-240

Feststellzange  
Locking plier  
Pince à caler  
Pinza de fijar  
Pinza bloccante



Technische zangen

*Technical forceps*

*Pinces techniques*

*Pinzas técnicas*

*Pinze tecniche*



200 mm – 8 "

09-440-001

Plattenbiegezange für Knochenplatten bis 2.7 mm Stärke  
 Plate bending plier for plates up to 2.7 mm  
 Pince à couder pour des plaques de 2.7 mm  
 Pinza para torcer, placas hasta 2.7 mm  
 Pinza piega placche fino a 2.7 mm

240 mm – 9 ½ "

09-440-002

Plattenbiegezange für Knochenplatten bis 4 mm Stärke  
 Plate bending plier for plates up to 4 mm  
 Pince à couder pour des plaques de 4 mm  
 Pinza para torcer, para placas hasta 4 mm  
 Pinza piega placche fino a 4 mm

I N D U S T R Y

technische zangen  
*Technical forceps*

*Pinces techniques*  
*Pinzas técnicas*  
*Pinze tecniche*



1:2

		TC
	180 mm – 7 "	180 mm – 7 "
x = 3 mm		09-443-010
x = 5 mm	09-441-180	09-443-020
x = 7 mm	09-442-180	09-443-030



1:2

	TC
220 mm – 8 ¾ "	09-444-220

Grip-Zange, kombiniert mit TC-Schneider  
Grip forceps, combined with TC-Cutter  
Pince grip, avec partie coupante TC  
Pinza grip, combinada con TC  
Pinza grip, con morso tagliante a TC

extensionsbügel  
**Extension bows**

*Etriers pour extension*  
*Estribos para extensión*  
*Archi per estensione*



180 mm – 7" 09-445-020

Spannschlüssel für Kirschner Drähte  
Wire strainer for Kirschner wires  
Tendeur pour fils de Kirschner  
Tensor para agujas de Kirschner  
Chiave per estensione di fili Kirschner



09-446-002

Fixierscheiben für Bohrdrähte alleine (Paar)  
Fixation discs only (pair)  
Disques de fixation seul (paire)  
Disos de fijación sólo (par)  
Disco di fissare solo (paio)

09-447-001

Zughaken klein, alleine  
Traction hooks, only  
Crochets de traction, seul  
Ganchos de tracción, sólo  
Ganci di trazione, solo



### KIRSCHNER

x = 95 mm	y = 70 mm	09-448-095
x = 100 mm	y = 100 mm	09-448-105
x = 120 mm	y = 120 mm	09-448-120
x = 155 mm	y = 155 mm	09-448-155
x = 200 mm	y = 155 mm	09-448-200

mit 3 Zughaken  
with 3 traction hooks  
avec 3 crochets d'attelage  
con 3 ganchos de tracción  
con 3 ganci di trazione

09-447-002

Zughaken groß alleine  
Traction hooks big, only  
Crochets de traction grand, seul  
Ganchos de tracción grande, sólo  
Ganci di trazione grande, solo

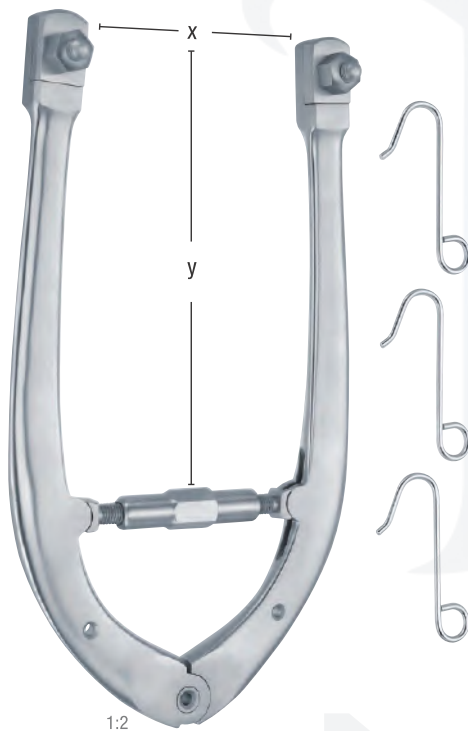
### KIRSCHNER

x = 130 mm	09-449-160
x = 185 mm	09-449-200
x = 220 mm	09-449-220

mit 3 Zughaken  
with 3 traction hooks  
avec 3 crochets d'attelage  
con 3 ganchos de tracción  
con 3 ganci di trazione

extensionsbügel  
**Extension bows**

*Etriers pour extension*  
*Estribos para extensión*  
*Archi per estensione*

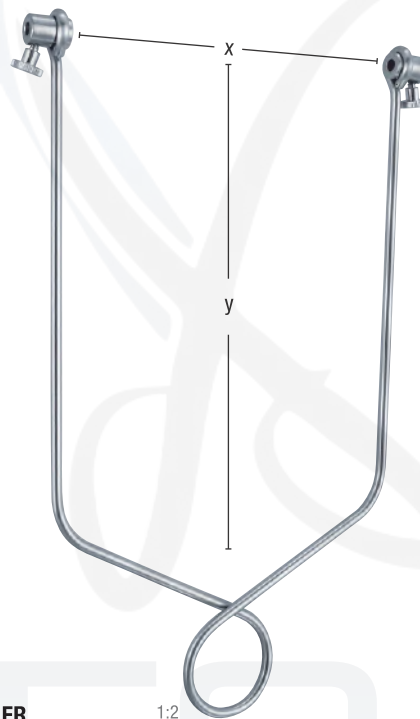


1:2

**KIRSCHNER**

x = 180 mm y = 100 mm	09-450-140
x = 270 mm y = 160 mm	09-450-220

mit 3 Zughaken  
with 3 traction hooks  
avec 3 crochets d'attelage  
con 3 ganchos de tracción  
con 3 ganci di trazione



1:2

**BÖHLER**

x = 75 mm y = 90 mm	09-451-090
x = 90 mm y = 160 mm	09-451-160
x = 110 mm y = 210 mm	09-451-210
x = 150 mm y = 210 mm	09-451-211



1:2

	14 mm / 17 mm
190 mm – 7 ½ "	09-452-190

Gabelschlüssel  
Wrench  
Clé de serrage  
Llave de tuercas  
Chiave per madreviti

**Amputationsretraktor – Komprimeter**  
**Amputation retractor – Comprimeter**

*Rétracteur pour amputation – Comprimètre*  
*Retractor para amputación – Comprímetro*  
*Retratore per amputazione – Comprímetro*



PERCY

1:3

09-453-000

Griffe abnehmbar, einfaches Modell  
 Handles detachable, simple pattern  
 Manches à détacher, modèle simple  
 Mango desmontable, modelo simple  
 Manici demontabili, modello semplice

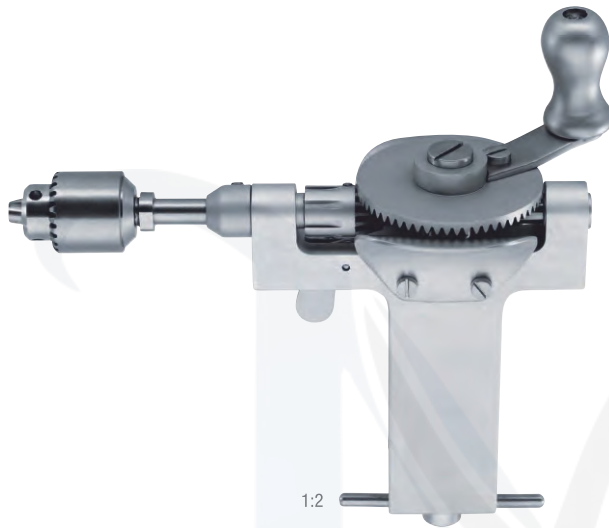


09-454-000

Komprimeter, bestehend aus Arm- und Oberschenkelmanschette,  
 Manometer justiert bis 700 mm Hg und Metallpumpe  
 Comprimeter, consisting of arm and upper thigh cuff,  
 manometer calibrated up to 700 mm Hg, with metal pump  
 Comprímetro se componant du brassard pour bras et cuisse,  
 manomètre calibré jusqu'à 700 mm Hg, avec pompe métallique  
 Comprímetro, compuesto de brazaletes para brazo y muslo,  
 manómetro calibrado hasta 700 mm Hg, con bomba metálica  
 Comprímetro, composto da torniquete, due bracciali e pompa d'aria  
 e manometro graduato fino a 700 mm Hg

### Handbohrapparate Hand drills

*Perforateurs à main*  
*Perforadores de mano*  
*Perforatori a mano*



#### BUNNELL

160 mm – 6 ¼" 09-455-000

Öffnung bis 4 mm Ø  
Opening up to 4 mm Ø  
Ouverture jusqu'à 4 mm Ø  
Apertura hasta 4 mm Ø  
Apertura fino a 4 mm Ø

**Leichtmetallgehäuse**  
Light metal housing  
Carcasse en métal léger  
Carcasa en metal ligero  
In scatola di alluminio

**Längsdurchbohrt**  
Longitudinally cannulated  
À perforation axiale  
Acanalado longitudinalmente  
Forato longitudinalmente

09-455-000/1

Ersatzschlüssel für 09-455-000  
Spare key for 09-455-000  
Clé de réchange pour 09-455-000  
Llave de recambio para 09-455-000  
Chiave di ricambio per 09-455-000



#### RALK

160 mm – 6 ¼" 09-456-000

Öffnung bis 6,35 mm Ø  
Opening up to 6.35 mm Ø  
Ouverture jusqu'à 6.35 mm Ø  
Apertura hasta 6.35 mm Ø  
Apertura fino a 6.35 mm Ø

**Leichtmetallgehäuse**  
Light metal housing  
Carcasse en métal léger  
Carcasa en metal ligero  
In scatola di alluminio

**Längsdurchbohrt**  
Longitudinally cannulated  
À perforation axiale  
Acanalado longitudinalmente  
Forato longitudinalmente

### Handbohrapparate Hand drills

Perforateurs à main  
Perforadores de mano  
Perforatori a mano



1:2

#### STILLE

200 mm – 8"	09-457-100
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komplett mit 7 Bohrern (Fig. 1 – Fig. 9)  
complete with 7 twist drills (Fig. 1 – Fig. 9)  
complet avec 7 Mèches (Fig. 1 – Fig. 9)  
completa con 7 fresas (Fig. 1 – Fig. 9)  
completa con 7 frese (Fig. 1 – Fig. 9)

09-457-000
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Handbohrerapparat alleine  
Hand drill only  
Perforateurs à main seul  
Perforadores de mano sólo  
Perforatori a mano solo

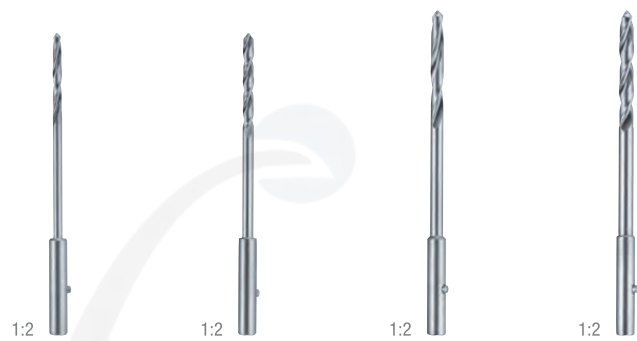


Fig. 1	Fig. 2	Fig. 3	Fig. 4
2.5 mm Ø	3.0 mm Ø	3.5 mm Ø	4.0 mm Ø
09-457-010	09-457-020	09-457-030	09-457-040



Fig. 7	Fig. 8	Fig. 9
8.0 mm Ø	12.0 mm Ø	16.0 mm Ø
09-457-070	09-457-080	09-457-090



Fig. 10	Fig. 11	Fig. 12
1.0 mm Ø	1.5 mm Ø	2.0 mm Ø
09-457-001	09-457-002	09-457-003

### Handbohrapparate Hand drills

Perforateurs à main  
Perforadores de mano  
Perforatori a mano



JACOBS

1:2

280 mm – 11 " 09-458-060

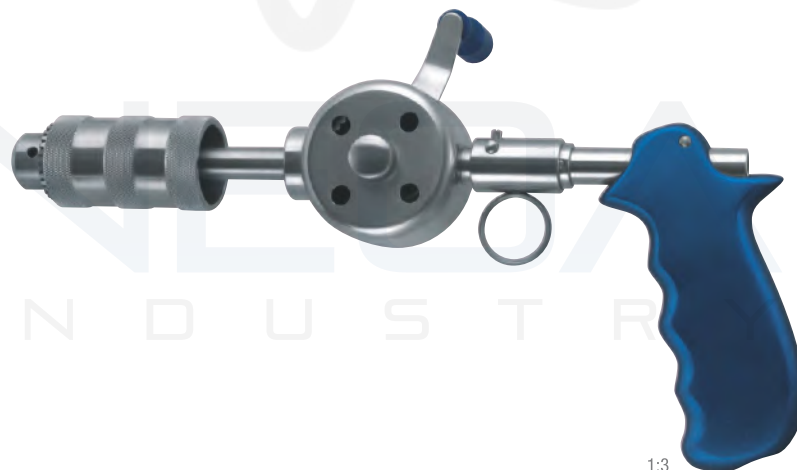
Öffnung bis 6.35 mm Ø  
Opening up to 6.35 mm Ø  
Ouverture jusqu'à 6.35 mm Ø  
Apertura hasta 6.35 mm Ø  
Apertura fino à 6.35 mm Ø



1:2

09-459-000

Öffnung bis 6.35 mm Ø  
Opening up to 6.35 mm Ø  
Ouverture jusqu'à 6.35 mm Ø  
Apertura hasta 6.35 mm Ø  
Apertura fino à 6.35 mm Ø



1:3

280 mm – 11 "

09-460-000

Handbohrapparat, rostfrei, beweglicher Griff, mit „Jacobs“-Spannfutter und Schlüssel  
Hand drill, stainless, adjustable handle, with "Jacobs"-chuck and key  
Perceuse mécanique en acier inox, manche mobile, avec mandrin «Jacobs» et clé  
Taladro manual, mango mobil, acero inoxidable, porta brocas "Jacobs" y llave  
Perforatore a mano, inossidabile, manico da muovere, con morso "Jacobs" e chiave



**Spiralbohrer – Pfrieme**  
**Twist drills – Reamers**

*Mèches – Alênes*  
*Taladros espirales – Escariadores*  
*Punte a spirale – Perforatori a mano*



1.0 mm Ø		09-462-100
1.5 mm Ø		09-462-150
2.0 mm Ø	09-461-200	09-462-200
2.5 mm Ø	09-461-250	09-462-250
2.8 mm Ø		09-462-280
3.0 mm Ø	09-461-300	09-462-300
3.2 mm Ø	09-461-320	09-462-320
3.5 mm Ø	09-461-350	09-462-350
4.0 mm Ø	09-461-400	09-462-400
5.0 mm Ø	09-461-500	09-462-500
6.0 mm Ø	09-461-600	09-462-600
7.0 mm Ø	09-461-700	09-462-700

AO Schaft  
AO shank  
Raccord AO  
Connector AO  
Attaco AO

Rundschaft  
Round shank  
Tige ronde  
Flecha redonda  
Asta rotondo



**PERTHES**

180 mm – 7"	09-463-160
210 mm – 8 ¼"	09-463-210



1:2  
140 mm – 5 ½"  
09-464-140



1:2  
140 mm – 5 ½"  
09-465-140



Manufacturer & Supplier Premium Quality Surgical, Dental, Podiatry, Pet Grooming and Beauty Care Instruments.

**USA Address:**

📍 5900 Balcones Drive # 16244  
Austin TX, USA 78731.  
☎ +1 (917) 773 3694  
📞 **uk:** +44 7871 836765  
✉ info@neoaindustry.com  
neoaindustry4@gmail.com  
🌐 www.neoaindustry.com

**Main Head Office:**

📍 Roars Road New Miana Pura  
West, Sialkot 51310 Pakistan.  
☎ +92 322 5587688  
📞 +92 322 5587688  
✉ info@neoaindustry.com  
neoaindustry4@gmail.com  
🌐 www.neoaindustry.com



ایمان منیت و تجارت سیکرٹ

