



KNOCHENCHIRURGIE – BONE SURGERY

By
Fizza Surgical International



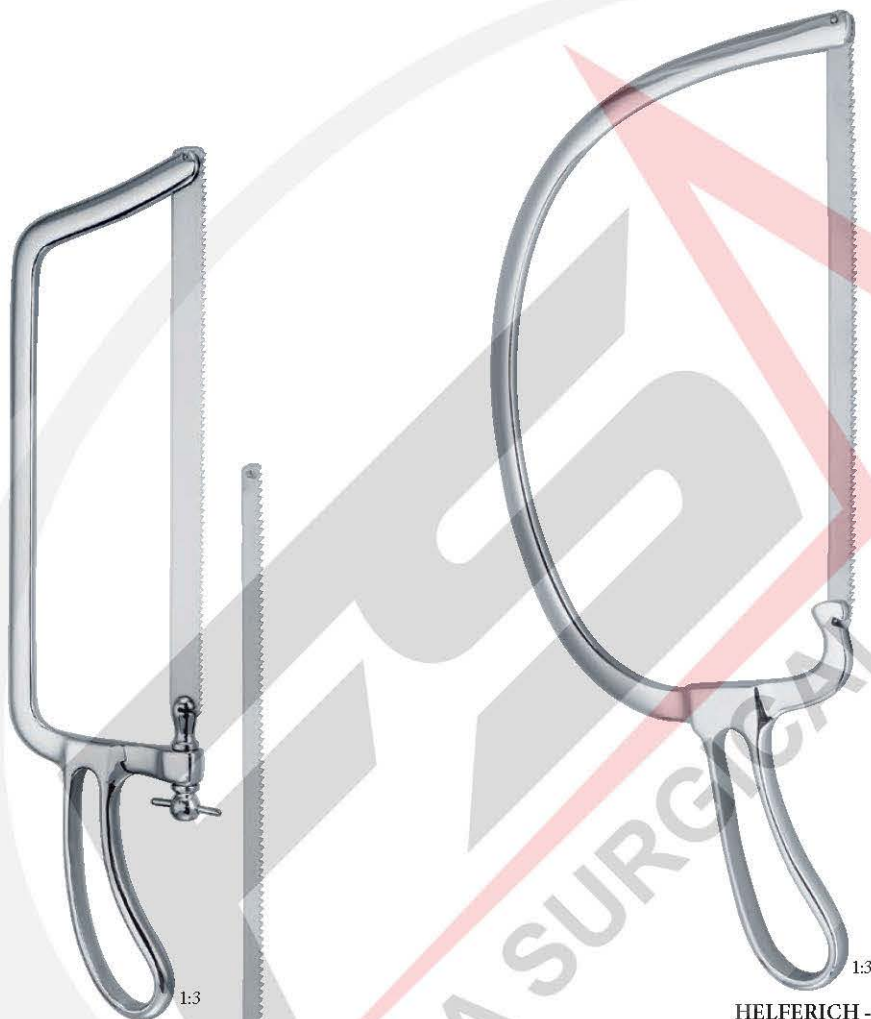
QUALITY POLICY : CUSTOMER'S SATISFACTION

MISSION STATEMENT : TO BECOME TOP MOST MEDICAL COMPANY IN PAKISTAN

Brief History of the company: Fizza Surgical International has made revolutionary changes in its manufacturing procedures from hand-made to modern machinery during the last 3 decades. Highly skilled workers are Proficiently working on these machinery multiplying production figures on one hand and having improved the quality of products to entire satisfaction of the customers.

Materials used in production : The materials used in production of these medical instruments conform to internationally recognized standards; viz. Grade AISI-410, Grade AISI-420 and Grade AISI-304. We use Japanese, German and French stainless steels.

Amputations- und Resektionssägen
Amputating and resection saws
Scies à amputation et résection
Sierra para amputación y resección
Seghe per amputazione



CHARRIERE

350 mm – 13³/₄ "

BS 14-10-00

12 mm

BS 14-10-01

15 mm

BS 14-10-02

Ersatzsägeblätter
Spare saw blades

**HELFERICH -
BIER**

390 mm – 15¹/₂ "

BS 14-15-00

3 mm

BS 14-15-01

5 mm

BS 14-15-02

7 mm

BS 14-15-03

Ersatzsägeblätter
Spare saw blades

Amputations- und Resektionssägen
Amputating and resection saws
Scies à amputation et résection
Sierra para amputación y resección
Seghe per amputazione



SATTERLEE

310 mm – 12¹/₄"

BS 14-20-01



LANGENBECK

230 mm – 9"

BS 14-25-01



CHARRIERE

270 mm – 10³/₄"

BS 14-24-01

300 mm – 12"

BS 14-24-02

340 mm – 13¹/₂"

BS 14-24-03

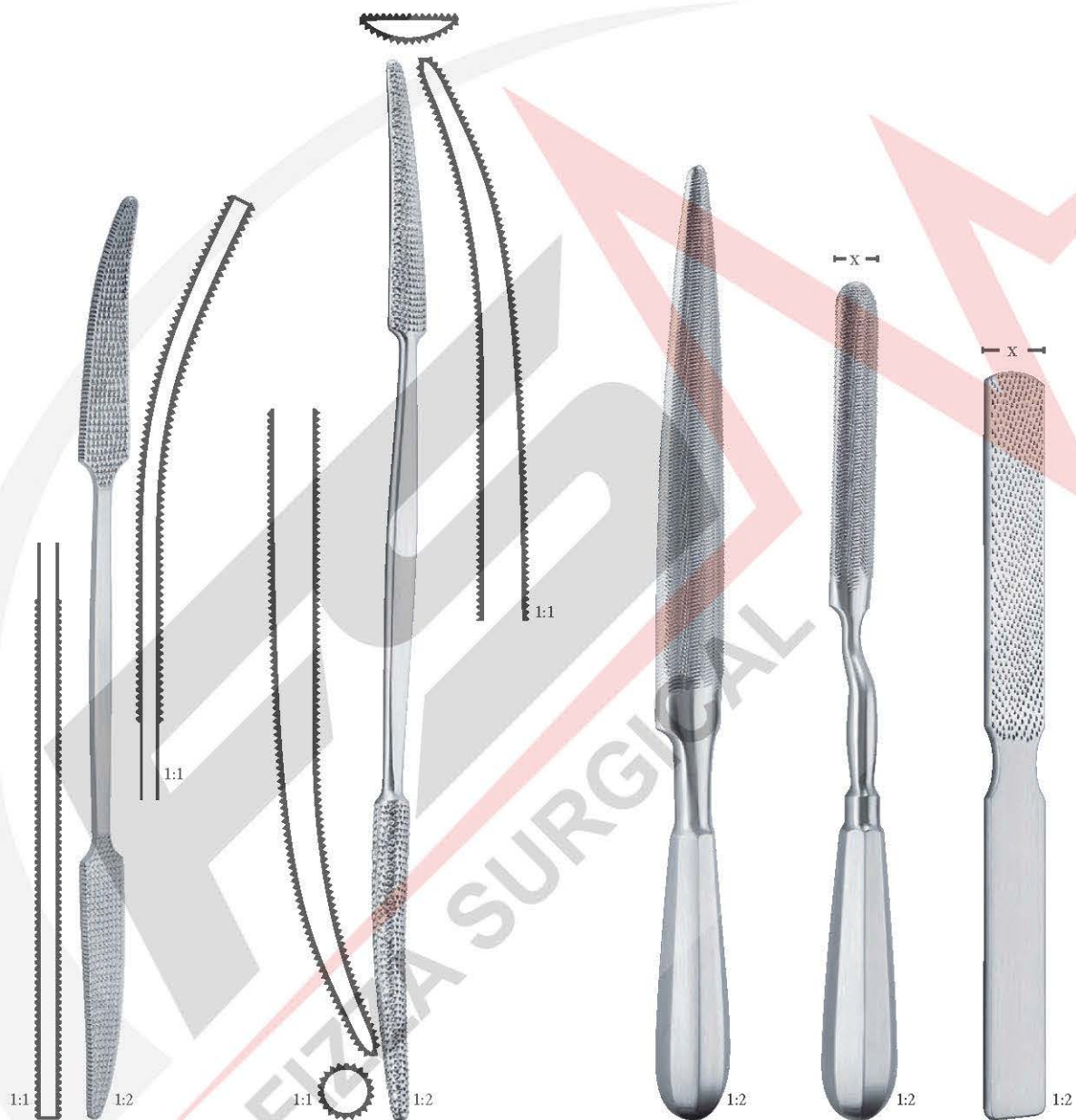
Raspeln, Feilen

Rasps, files

Râpes, limes

Escofinas, limas

Raspe, lime



PUTTI

270 mm – 10 ³ / ₄ "	BS 14-30-01	BS 14-31-01
300 mm – 12 "	BS 14-30-02	BS 14-31-02

280 mm – 11 "	BS 14-35-01
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halbrund
semicircular

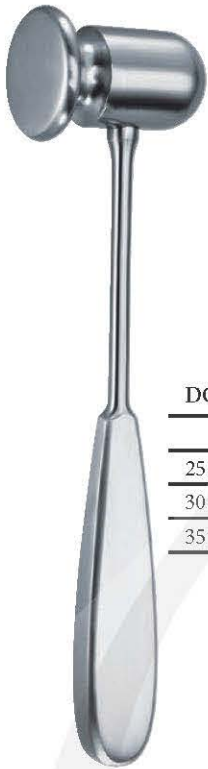
245 mm – 9 ³ / ₄ "	x = 13 mm
BS 14-36-01	

halbrund
semicircular

220 mm – 8 ³ / ₄ "	x = 20 mm
BS 14-37-01	

flach
flat

Hämmer ;Mallets
Maillets ;Martillos
Martelli



DOYEN

	195 mm – 7 ³ / ₄ "
25 mm Ø – 120 g	BS 14-40-01
30 mm Ø – 180 g	BS 14-40-02
35 mm Ø – 260 g	BS 14-40-03



COLLIN

200 mm – 8 "
30 mm Ø – 220 g
BS 14-45-01



HAJEK

215 mm – 8 ¹ / ₂ "
27 mm Ø – 140 g
BS 14-50-01



KIRK

190 mm – 7 ¹ / ₂ "
38 mm Ø – 750 g
BS 14-55-01



PARTSCH

180 mm – 7 "
22 mm Ø – 200 g
BS 14-55-01



LUCANE

190 mm – 7 ¹ / ₂ "
19 mm Ø – 230 g
25 mm Ø – 260 g
BS 14-60-01
BS 14-60-02

Hämmer ;Mallets
Maillets ;Martillos
Martelli



BERGMANN

245 mm – 9³/₄ "

45 mm Ø – 300 g

BS 14-65-01



OMBREDANNE

240 cm – 9¹/₂ "

40 mm Ø – 550 g

BS 14-70-01



HEATH

40 mm Ø – 700 g

45 mm Ø – 1000 g

Kupferfüllung
Copper filled head

180 mm – 7 "

200 mm – 8 "

BS 14-75-01

BS 14-75-02

**Hämmer ;Mallets
Maillets ;Martillos
Martelli**



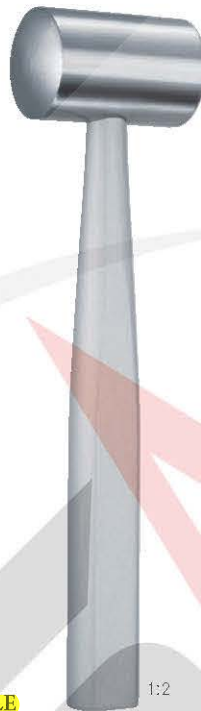
1:2

190 mm – 7½"

250 mm Ø – 205 g

BS 14-80-01

Solid steel, with plastic faces



1:2

COTTLE

185 mm – 7¼"

30 mm Ø – 240 g

BS 14-85-01

1 side flat / 1 side convex



WILLIGER

240 mm – 9½"

28 mm Ø – 340 g

BS 14-90-01

30 mm Ø – 400 g

BS 14-90-02

lead filled



1:2

WILLIGER

165 mm – 6½"

20 mm Ø – 140 g

BS 14-95-01



1:2

MEAD

170 mm – 6¾"

26 mm Ø – 320 g

BS 14-100-01

*Stahl massiv, mit Kunststoffbacken
Steel solid, with plastic faces*

Knochenhebel ; Leviers à os
Elevadores para huesos
Elevatori per ossa



HOHMANN

220 mm – 8 ³ / ₄ "	240 mm – 9 ¹ / ₂ "	240 mm – 9 ¹ / ₂ "	240 mm – 9 ¹ / ₂ "
x = 8 mm	x = 18 mm	x = 43 mm	x = 70 mm
BS 14-125-01	BS 14-126-01	BS 14-127-01	BS 14-128-01

Knochenhebel ; Leviers à os
Elevadores para huesos
Elevatori per ossa



HOHMANN

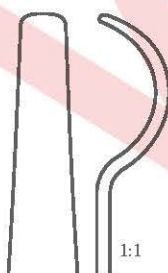
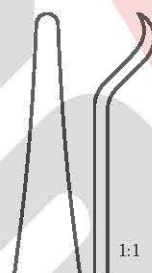
245 mm – 9¾"	260 mm – 10¼"	280 mm – 11"	265 mm – 10½"	260 mm – 10¼"
x = 43 mm	x = 22 mm	x = 33 mm	x = 24 mm	x = 22 mm
BS 14-129-01	BS 14-130-01	BS 14-131-01	BS 14-132-01	BS 14-133-01

Knochenhebel ; Leviers à os
Elevadores para huesos
Elevatori per ossa



**MINI -
HOHMANN**

	6 mm	8 mm
160 mm – 6 ¹ / ₄ "	BS 14-135-01	BS 14-136-01



	2.8 mm	4.5 mm	6 mm
140 mm – 5 ¹ / ₂ "	BS 14-140-01	BS 14-141-01	BS 14-142-01



BRISTOW

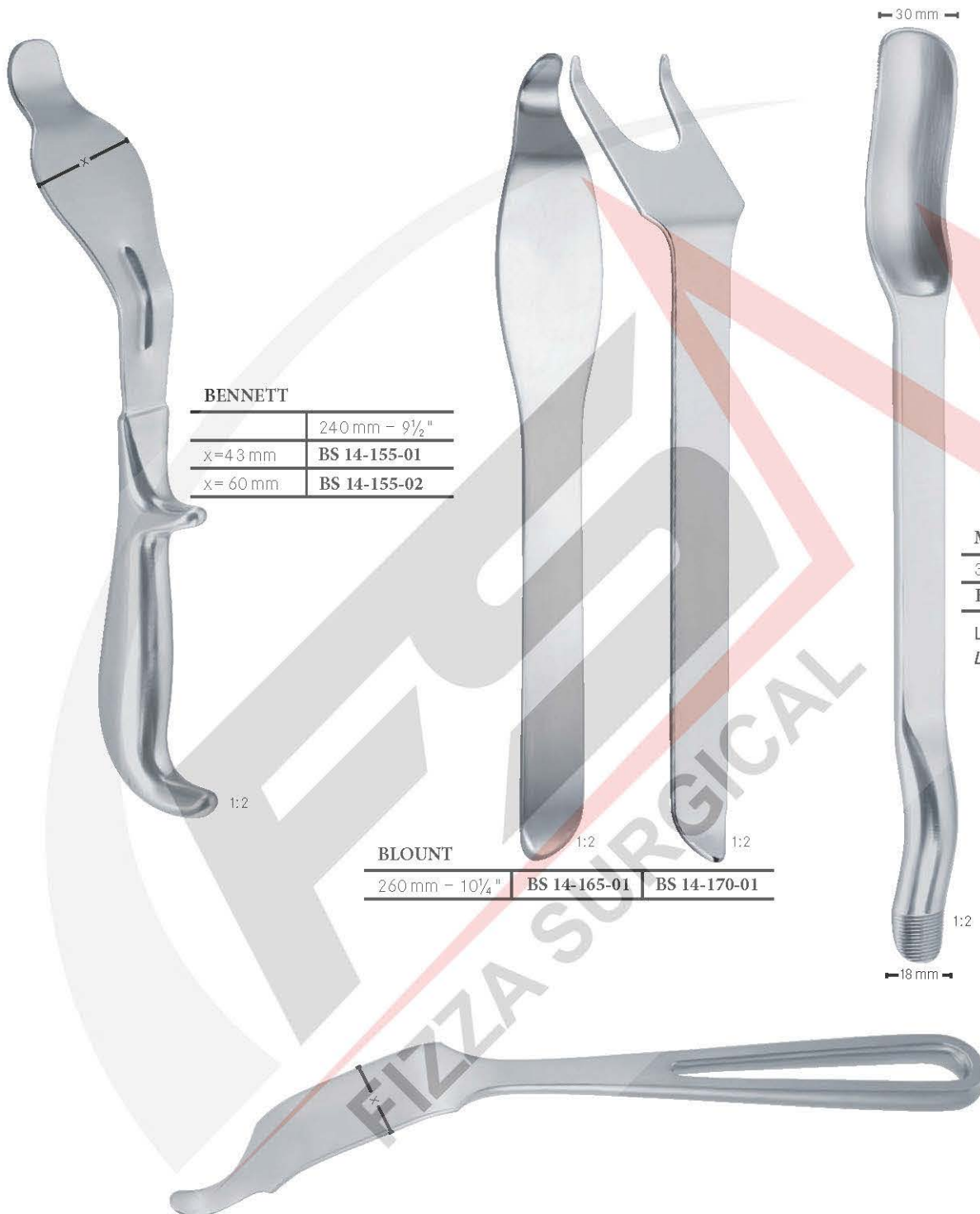
230 mm – 9"	BS 14-145-01
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LANE

210 mm – 8 ¹ / ₄ "	BS 14-150-01
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Knochenhebel ; Leviers à os
Elevadores para huesos
Elevatori per ossa



BENNETT

	240 mm – 9½"
x=43 mm	BS 14-155-01
x= 60 mm	BS 14-155-02

BLOUNT

260 mm – 10¼"	BS 14-165-01	BS 14-170-01
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**LANGE -
HOHMANN MOD.**

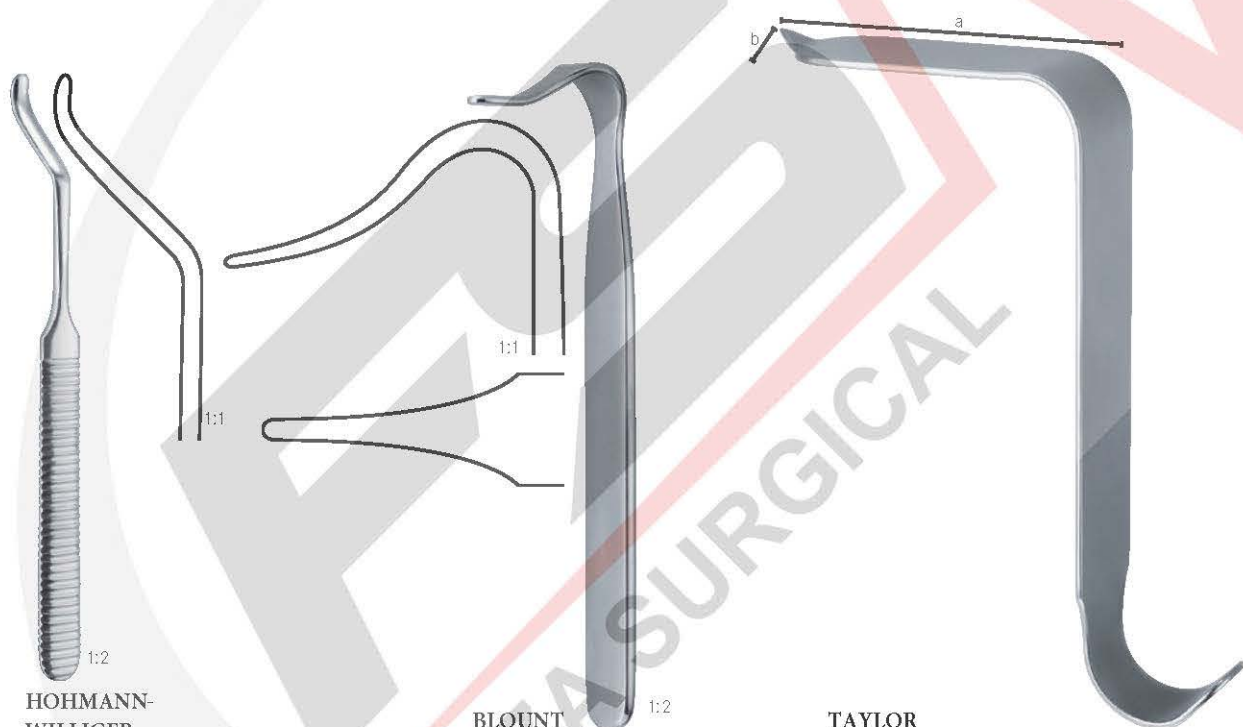
265 mm – 10½"	280 mm – 11"
x= 30 mm	x= 33 mm
BS 14-175-01	BS 14-175-02

MURPHY-LANE

340 mm – 13½"
BS 14-160-01

Luxationshebel
Luxation lever

Knochenhebel ; Leviers à os
Elevadores para huesos
Elevatori per ossa



**HOHMANN-
WILLIGER**

160 mm – 6¼"

BS 14-180-01

BLOUNT

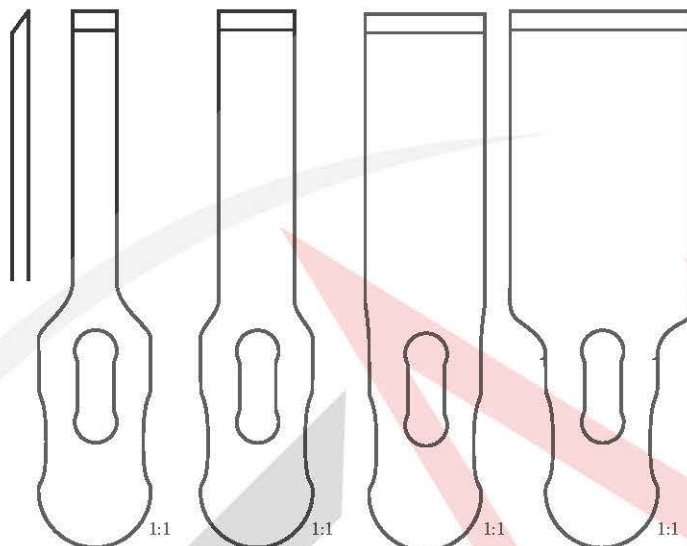
175 mm – 7"

BS 14-185-01

TAYLOR

	165 mm – 6½"
a = 75 mm – b = 30 mm	BS 14-190-01
a = 100 mm – b = 30 mm	BS 14-190-02

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

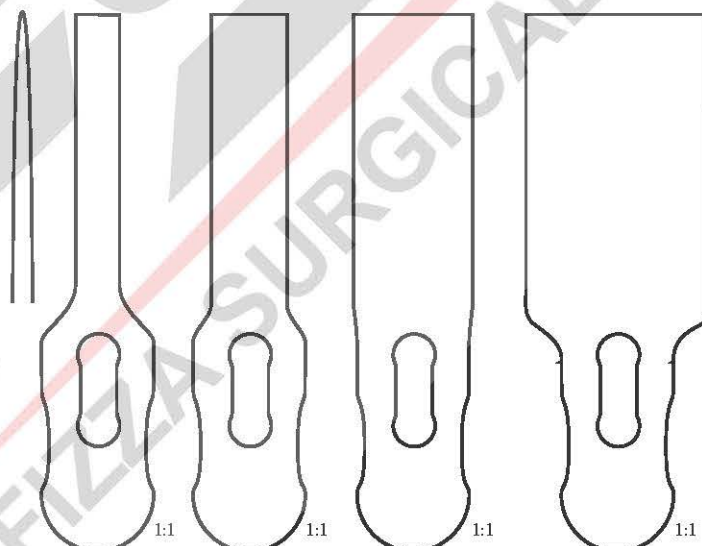


	5 mm	10 mm	16 mm	25 mm
85 mm – $3\frac{1}{4}$ "	BS 14-195-01	BS 14-195-02	BS 14-195-03	BS 14-195-04

Chisel blades, interchangeable



185 mm – $7\frac{1}{4}$ "
BS 14-195-00



	5 mm	10 mm	16 mm	25 mm
85 mm – $3\frac{1}{4}$ "	BS 14-195-05	BS 14-195-06	BS 14-195-07	BS 14-195-08

Osteotome blades, interchangeable



90 mm – $3\frac{1}{2}$ "
BS 14-200-01

Spannschlüssel
Key

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



	135 mm – 5 1/4"	135 mm – 5 1/4"	135 mm – 5 1/4"
8 mm	BS 14-205-01	BS 14-206-01	BS 14-207-01
10 mm	BS 14-205-02	BS 14-206-02	BS 14-207-02
12 mm	BS 14-205-03	BS 14-206-03	BS 14-207-03
14 mm	BS 14-205-04	BS 14-206-04	BS 14-207-04
16 mm	BS 14-205-05	BS 14-206-05	BS 14-207-05



LUCAS	160 mm – 6 1/4"	160 mm – 6 1/4"
3 mm	BS 14-210-01	BS 14-211-01
4 mm	BS 14-210-02	BS 14-211-02
5 mm	BS 14-210-03	BS 14-211-03
6 mm	BS 14-210-04	BS 14-211-04

Chisel

Gouge



ALEXANDER	180 mm – 7"	180 mm – 7"
4 mm	BS 14-215-01	BS 14-216-01
6 mm	BS 14-215-02	BS 14-216-02
8 mm	BS 14-215-03	BS 14-216-03
10 mm	BS 14-215-04	BS 14-216-04
12 mm	BS 14-215-05	BS 14-216-05
14 mm	BS 14-215-06	BS 14-216-06

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



PARTSCH

	115 mm – 4½"	135 mm – 5¼"	170 mm – 6¾"
2 mm	BS 14-220-01	BS 14-221-01	BS 14-222-01
3 mm	BS 14-220-02	BS 14-221-02	BS 14-222-02
4 mm	BS 14-220-03	BS 14-221-03	BS 14-222-03
5 mm	BS 14-220-04	BS 14-221-04	BS 14-222-04
6 mm	BS 14-220-05	BS 14-221-05	BS 14-222-05
7 mm	BS 14-220-06	BS 14-221-06	BS 14-222-06
8 mm	BS 14-220-07	BS 14-221-07	BS 14-222-07

	115 mm – 4½"	135 mm – 5¼"	170 mm – 6¾"
BS 14-225-01	BS 14-226-01	BS 14-227-01	
BS 14-225-02	BS 14-226-02	BS 14-227-02	
BS 14-225-03	BS 14-226-03	BS 14-227-03	
BS 14-225-04	BS 14-226-04	BS 14-227-04	
BS 14-225-05	BS 14-226-05	BS 14-227-05	
BS 14-225-06	BS 14-226-06	BS 14-227-06	
BS 14-225-07	BS 14-226-07	BS 14-227-07	

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



LAMBOTTE

	250 mm – 9¾"	250 mm – 9¾"
6 mm	BS 14-230-01	BS 14-231-01
8 mm	BS 14-230-02	BS 14-231-02
10 mm	BS 14-230-03	BS 14-231-03
13 mm	BS 14-230-04	BS 14-231-04
15 mm	BS 14-230-05	BS 14-231-05
20 mm	BS 14-230-06	BS 14-231-06
25 mm	BS 14-230-07	BS 14-231-07
30 mm	BS 14-230-08	BS 14-231-08
38 mm	BS 14-230-09	BS 14-231-09
44 mm	BS 14-230-10	BS 14-231-10
50 mm	BS 14-230-11	BS 14-231-11



MINI-LAMBOTTE

	125 mm – 5"	170 mm – 6¾"
3 mm	BS 14-235-01	BS 14-236-01
4 mm	BS 14-235-02	BS 14-236-02
6 mm	BS 14-235-03	BS 14-236-03
8 mm	BS 14-235-04	BS 14-236-04
10 mm	BS 14-235-05	BS 14-236-05
12 mm	BS 14-235-06	BS 14-236-06
15 mm	BS 14-235-07	BS 14-236-07

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



LEXER

	220 mm – 8¾"	300 mm – 12"	220 mm – 8¾"	300 mm – 12"
7 mm	BS 14-240-01	BS 14-241-01	BS 14-242-01	
10 mm	BS 14-240-02	BS 14-241-02	BS 14-242-02	
15 mm	BS 14-240-03	BS 14-241-03	BS 14-242-03	
20 mm	BS 14-240-04	BS 14-241-04	BS 14-242-04	
25 mm	BS 14-240-05	BS 14-241-05	BS 14-242-05	
30 mm	BS 14-240-06	BS 14-241-06	BS 14-242-06	

Ferrozell handle

MINI-LEXER

	180 mm – 7"	180 mm – 7"
4 mm	BS 14-245-01	BS 14-246-01
6 mm	BS 14-245-02	BS 14-246-02
8 mm	BS 14-245-03	BS 14-246-03
10 mm	BS 14-245-04	BS 14-246-04
12 mm	BS 14-245-05	BS 14-246-05

Ferrozell handle

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



STILLE



	200 mm – 8 "	200 mm – 8 "	200 mm – 8 "	200 mm – 8 "	200 mm – 8 "
10 mm	BS 14-250-01	BS 14-251-01	BS 14-252-01	BS 14-253-01	BS 14-254-01
15 mm	BS 14-250-02	BS 14-251-02	BS 14-252-02	BS 14-253-02	BS 14-254-02
20 mm	BS 14-250-03	BS 14-251-03	BS 14-252-03	BS 14-253-03	BS 14-254-03
25 mm	BS 14-250-04	BS 14-251-04	BS 14-252-04	BS 14-253-04	BS 14-254-04

1:2



**SMITH-
PETERSEN**



	200 mm – 8 "	200 mm – 8 "	200 mm – 8 "	200 mm – 8 "
6 mm	BS 14-255-01	BS 14-256-01	BS 14-257-01	BS 14-258-01
9 mm	BS 14-255-02	BS 14-256-02	BS 14-257-02	BS 14-258-02
13 mm	BS 14-255-03	BS 14-256-03	BS 14-257-03	BS 14-258-03
16 mm	BS 14-255-04	BS 14-256-04	BS 14-257-04	BS 14-258-04
19 mm	BS 14-255-05	BS 14-256-05	BS 14-257-05	BS 14-258-05
25 mm	BS 14-255-06	BS 14-256-06	BS 14-257-06	BS 14-258-06
32 mm	BS 14-255-07	BS 14-256-07	BS 14-257-07	BS 14-258-07

1:2

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



HIBBS

	240 mm-9½"	240 mm-9½"	240 mm-9½"	240 mm-9½"	240 mm-9½"
6 mm	BS 14-260-01	BS 14-261-01	BS 14-262-01	BS 14-263-01	BS 14-264-01
13 mm	BS 14-260-02	BS 14-261-02	BS 14-262-02	BS 14-263-02	BS 14-264-02
19 mm	BS 14-260-03	BS 14-261-03	BS 14-262-03	BS 14-263-03	BS 14-264-03
25 mm	BS 14-260-04	BS 14-261-04	BS 14-262-04	BS 14-263-04	BS 14-264-04
32 mm	BS 14-260-05	BS 14-261-05	BS 14-262-05	BS 14-263-05	BS 14-264-05

1:2

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



FREER

	150 mm – 6 "	160 mm – 6 1/4 "
6 mm	BS 14-265-01	BS 14-266-01
4 mm	BS 14-265-02	BS 14-266-02

Gouge

Chisel



BALLENGER

	160 mm – 6 1/4 "
4 mm	BS 14-270-01
6 mm	BS 14-270-02
8 mm	BS 14-270-03

**MANNERFELT
MODIF.**

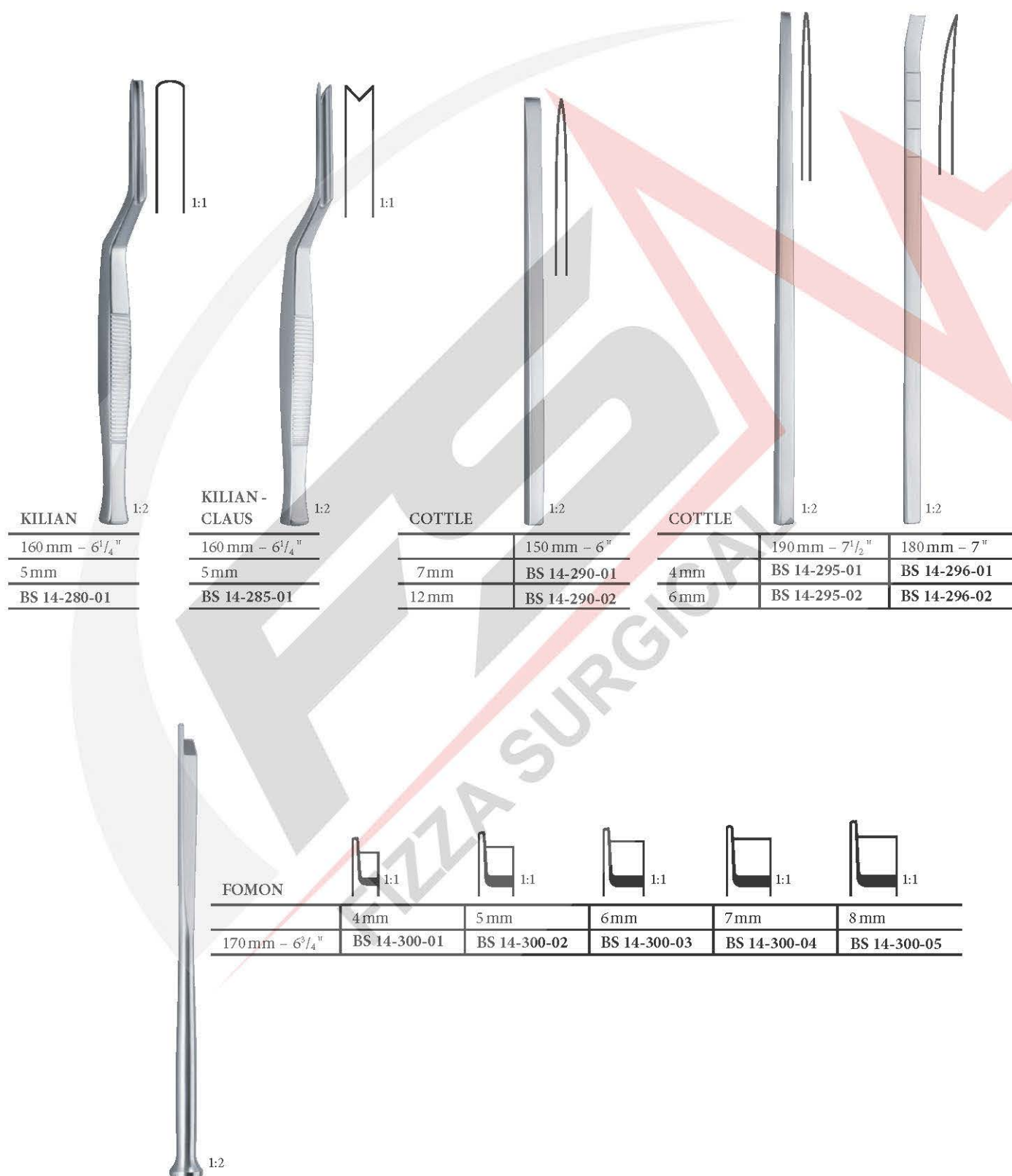
	155 mm – 6 "	155 mm – 6 "
3 mm	BS 14-275-01	BS 14-276-01
4 mm	BS 14-275-02	BS 14-276-02
6 mm	BS 14-275-03	BS 14-276-03
8 mm	BS 14-275-04	BS 14-276-04

Osteotomes

Gouge



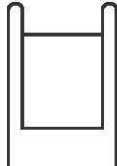
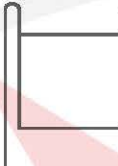
Meißel zur Nasenplastik
Ostéotomes, ciseaux-burins pour
rhinoplastique Cinceles para
rhinoplastica
Scalpelli per plastica nasale



Meißel zur Nasenplastik
Ostéotomes, ciseaux-burins pour
rhinoplastique Cinceles para
rhinoplastica
Scalpelli per plastica nasale



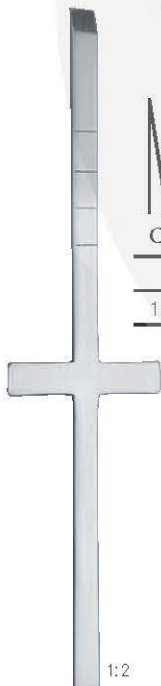
1:2

CINELLI				
	1:1	1:1	1:1	1:1
	10 mm	12 mm	14 mm	16 mm
180 mm – 7"	BS 14-305-01	BS 14-305-02	BS 14-305-03	BS 14-305-04



1:2

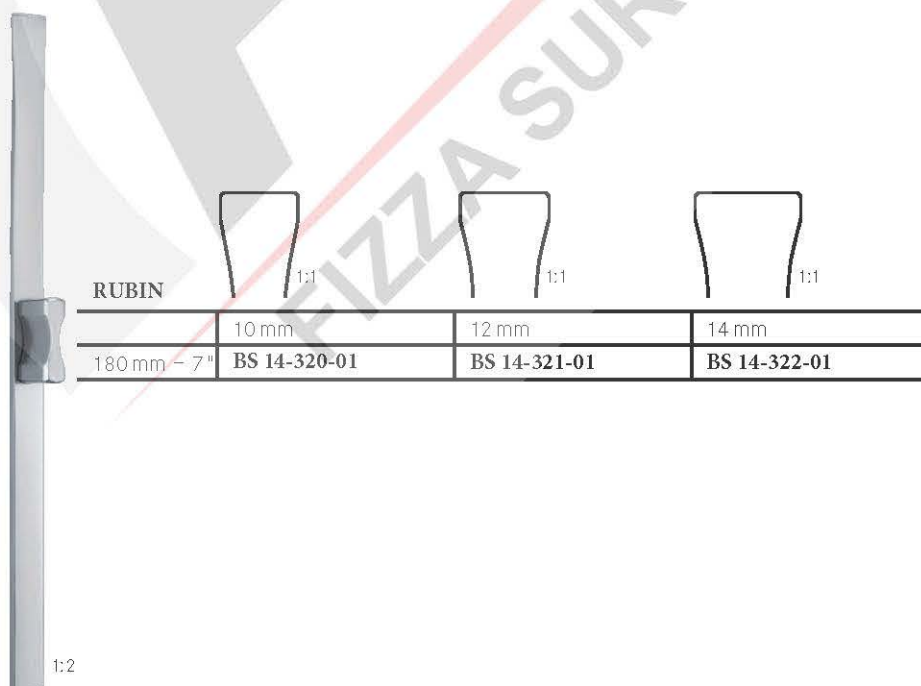
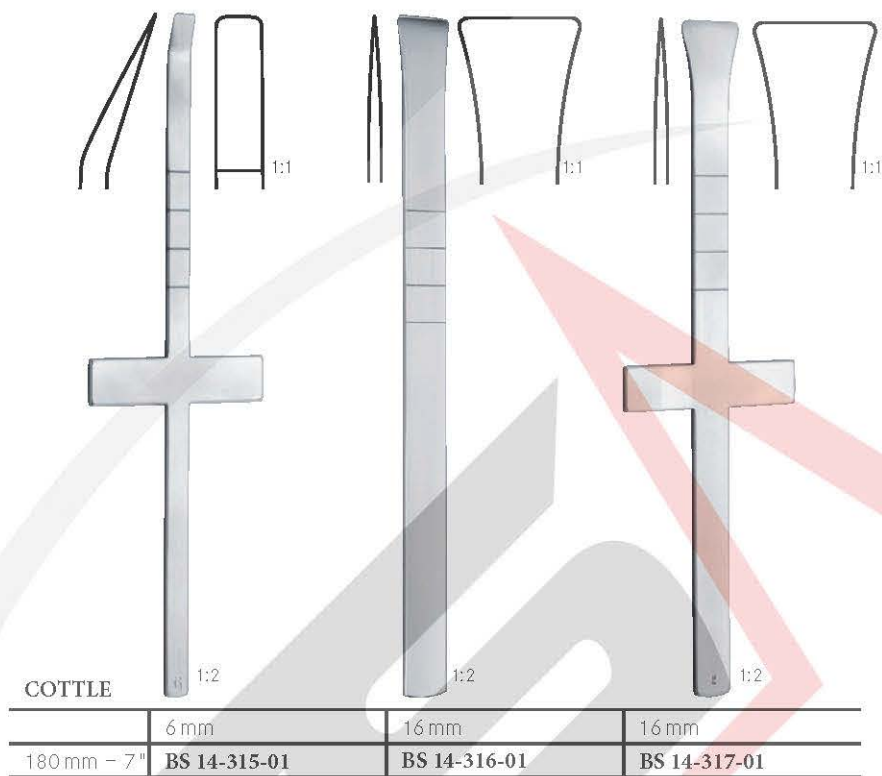
COTTLE				
	1:1	1:1	1:1	1:1
	4 mm	7 mm	9 mm	12 mm
180 mm – 7"	BS 14-310-01	BS 14-310-02	BS 14-310-03	BS 14-310-04



1:2

COTTLE				
	1:1	1:1	1:1	1:1
	4 mm	7 mm	9 mm	12 mm
180 mm – 7"	BS 14-310-01	BS 14-310-02	BS 14-310-03	BS 14-310-04

Meißel zur Nasenplastik
Ostéotomes, ciseaux-burins pour
rhinoplastique Cinceles para
rhinoplastica
Scalpelli per plastica nasale



Meißel zur Nasenplastik
Ostéotomes, ciseaux-burins pour
rhinoplastique Cinceles para
rhinoplastica
Scalpelli per plastica nasale



COTTLE	 1:1	 1:1	 1:1	 1:1
	4 mm	7 mm	9 mm	12 mm
200 mm – 8"	BS 14-325-01	BS 14-325-02	BS 14-325-03	BS 14-325-04



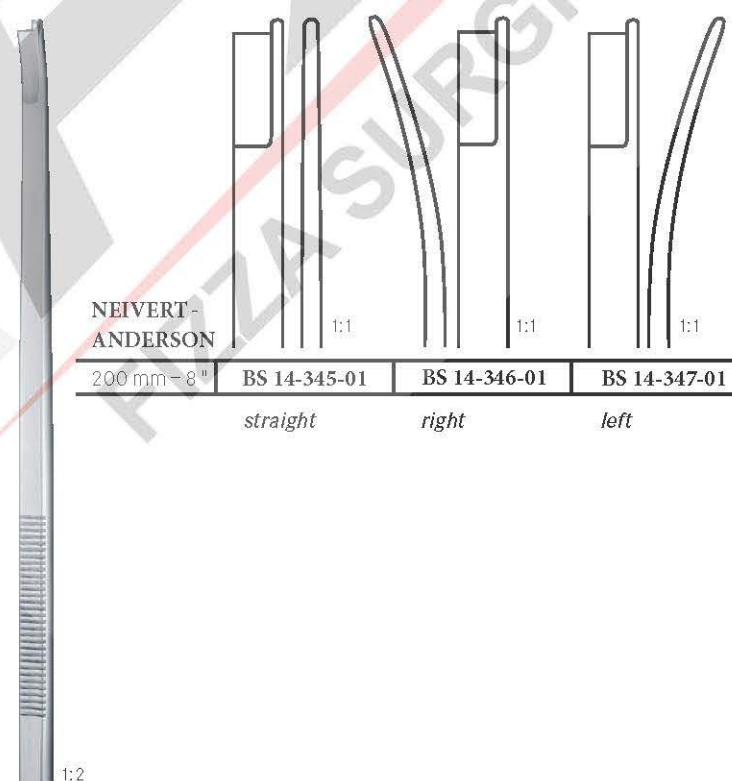
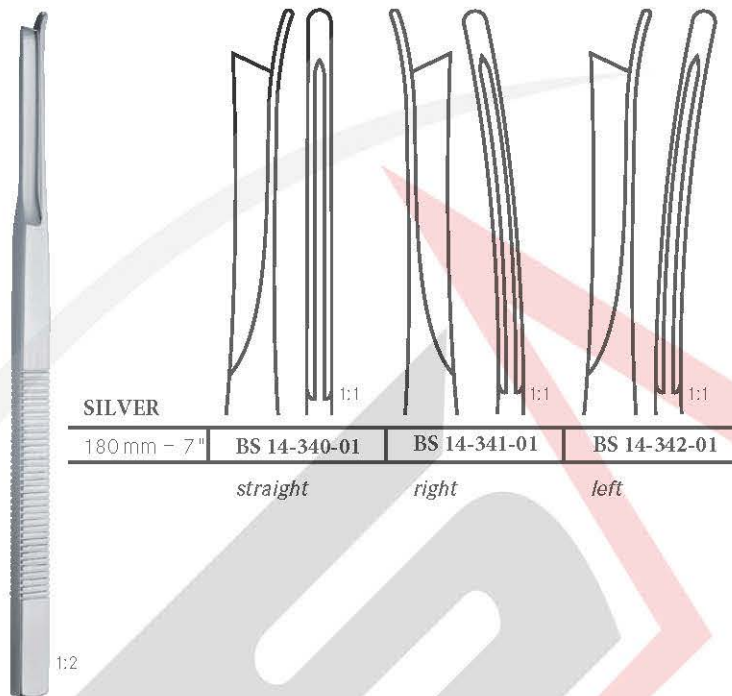
WALTER	 1:1	 1:1
	3 mm	4,5 mm
190 mm – 7½"	BS 14-330-01	BS 14-330-02



SHEEHAN	 1:1	 1:1	 1:1	 1:1
	2 mm	4 mm	6 mm	8 mm
160 mm – 6¼"	BS 14-335-01	BS 14-335-02	BS 14-335-03	BS 14-335-04

 1:1	 1:1	 1:1	 1:1
10 mm	12 mm	15 mm	18 mm
BS 14-335-05	BS 14-335-06	BS 14-335-07	BS 14-335-08

Meißel zur Nasenplastik
Ostéotomes, ciseaux-burins pour
rhinoplastique Cinceles para
rhinoplastica
Scalpelli per plastica nasale



Meißel für die Kieferchirurgie
Ostéotomes pour la chirurgie maxillo-faciale
Cinceles para la cirugía maxilofacial
Scalpelli per chirurgia massilofaciale



OBWEGESER

235 mm – 9 $\frac{1}{4}$ "

11 mm

BS 14-350-01



OBWEGESER

7 mm

215 mm – 8 $\frac{1}{2}$ "

BS 14-355-01



10 mm

BS 14-355-02

Stößel
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"	BS 14-360-01	BS 14-360-02	BS 14-360-03	BS 14-360-04	BS 14-360-05	BS 14-360-06	BS 14-360-07



1:2

PASSOW	 1:1	 1:1
	Fig. 1	Fig. 2
	2.5 mm x 2.5 mm	3.5 mm x 3.5 mm
120 mm – 4 3/4"	BS 14-365-01	BS 14-365-02



1:2

CASPAR	 1:1	 1:1	 1:1
	3 mm Ø	5 mm Ø	8 mm Ø
200 mm – 8"	BS 14-370-01	BS 14-370-02	BS 14-370-03



1:2

	 1:1	 1:1	 1:1
	12 mm Ø	14 mm Ø	16 mm Ø
200 mm – 8"	BS 14-370-04	BS 14-370-05	BS 14-370-06

Scharfe Löffel
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 ³ / ₄ "	BS 14-375-01	BS 14-375-02	BS 14-375-03	BS 14-375-04	BS 14-375-05

 1:1	 1:1	 1:1	 1:1	 1:1
Fig. 2	Fig. 3	Fig. 4	Fig. 5	Fig. 6
BS 14-375-06	BS 14-375-07	BS 14-375-08	BS 14-375-09	BS 14-375-10



SCHUDE	 1:1	 1:1	 1:1	 1:1	 1:1
	Fig. 000	Fig. 00	Fig. 0	Fig. 1	Fig. 2
170 mm – 6 ³ / ₄ "	BS 14-380-01	BS 14-380-02	BS 14-380-03	BS 14-380-04	BS 14-380-05

 1:1	 1:1
Fig. 3	Fig. 4
BS 14-380-06	BS 14-380-07

Scharfe Löffel
Curettes tranchantes
Cucharillas cortantes
Cucchiai taglienti



SPRATT			
	 1:1	 1:1	 1:1
	Fig. 0000	Fig. 000	Fig. 00
170 mm – 6 $\frac{3}{4}$ "	BS 14-385-01	BS 14-385-02	BS 14-385-03

 1:1	 1:1	 1:1
Fig. 0	Fig. 1	Fig. 2
BS 14-385-04	BS 14-385-05	BS 14-385-06

 1:1	 1:1	 1:1
Fig. 3	Fig. 4	Fig. 5
BS 14-385-07	BS 14-385-08	BS 14-385-09



BRUNS			
	 1:1	 1:1	 1:1
	Fig. 000	Fig. 00	Fig. 0
160 mm – 6 $\frac{1}{4}$ "	BS 14-390-01	BS 14-390-02	BS 14-390-03

 1:1	 1:1	 1:1
Fig. 1	Fig. 2	Fig. 3
BS 14-390-04	BS 14-390-05	BS 14-390-06

 1:1	 1:1	 1:1
Fig. 4	Fig. 5	Fig. 6
BS 14-390-07	BS 14-390-08	BS 14-390-09

Scharfe Löffel
Curettes tranchantes
Cucharillas cortantes
Cucchiai taglienti



VOLKMANN	 1:1	 1:1	 1:1	 1:1	 1:1	 1:1
	Fig. 0000	Fig. 000	Fig. 00	Fig. 0	Fig. 1	Fig. 2
185 mm – 7 $\frac{1}{4}$ "	BS 14-395-01	BS 14-395-02	BS 14-395-03	BS 14-395-04	BS 14-395-05	BS 14-395-06

oval, with plastic handle

				
Fig. 3	Fig. 4	Fig. 5	Fig. 6	
190 mm – 7½"	BS 14-396-01	BS 14-396-02	BS 14-396-03	BS 14-396-04

 1:1	 1:1	 1:1	 1:1	 1:1	
Fig. 0	Fig. 1	Fig. 2	Fig. 3	Fig. 4	
275 mm – 10 $\frac{3}{4}$ "	BS 14-397-01	BS 14-397-02	BS 14-397-03	BS 14-397-04	BS 14-397-05

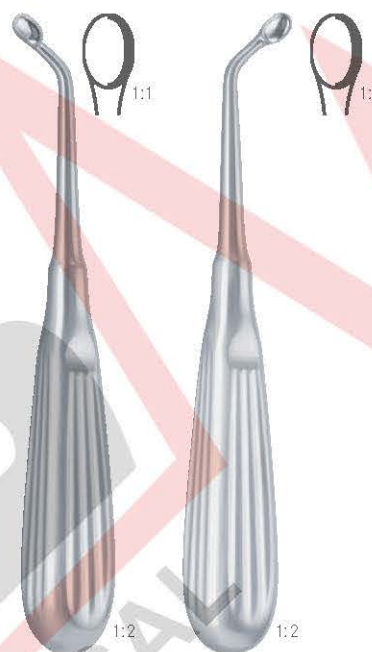
Scharfe Löffel
Curettes tranchantes
Cucharillas cortantes
Cucchiai taglienti



HALLE

	 1:1	 1:1	 1:1
	Fig. 1	Fig. 2	Fig. 3
210 mm – 8 3/4 "	BS 14-400-01	BS 14-400-02	BS 14-400-03

flexible

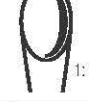


UFFENORDE

	 1:1	 1:1
	Fig. 1	Fig. 2
170 mm – 6 3/4 "	BS 14-405-01	BS 14-406-01



BRUNS

	 1:1	 1:1	 1:1	 1:1
	Fig. 00	Fig. 0	Fig. 1	Fig. 2
230 mm – 9 "	BS 14-410-01	BS 14-410-02	BS 14-410-03	BS 14-410-04

solid

 1:1	 1:1	 1:1	 1:1
Fig. 3	Fig. 4	Fig. 5	Fig. 6
BS 14-410-05	BS 14-410-06	BS 14-410-07	BS 14-410-08

Scharfe Löffel
Curettes tranchantes
Cucharillas cortantes
Cucchiai taglienti



SCHROEDER



1:1



1:1



1:1

	Fig. 1	Fig. 2	Fig. 3
300 mm – 12"	BS 14-415-01	BS 14-415-02	BS 14-415-03

sharp / rigid



1:1



1:1



1:1

Fig. 4	Fig. 5	Fig. 6
BS 14-415-04	BS 14-415-05	BS 14-415-06

SIMON



1:1



1:1



1:1



1:1

	Fig. 0000	Fig. 000	Fig. 00	Fig. 0
240 mm – 9½"	BS 14-420-01	BS 14-420-02	BS 14-420-03	BS 14-420-04

sharp / rigid



1:2

SIMON



1:1



1:1



1:1

	Fig. 1	Fig. 2	Fig. 3
250 mm – 9¾"	BS 14-425-01	BS 14-425-02	BS 14-425-03

sharp / rigid



1:1



1:1



1:1

Fig. 4	Fig. 5	Fig. 6
BS 14-425-04	BS 14-425-05	BS 14-425-06

Scharfe Löffel
Curettes tranchantes
Cucharillas cortantes
Cucchiai taglienti



	 1:1	 1:1	 1:1
	Fig. 000	Fig. 00	Fig. 0
200 mm – 8 "	BS 14-430-01	BS 14-430-02	BS 14-430-03

straight

 1:1	 1:1	 1:1
Fig. 1	Fig. 2	Fig. 3
BS 14-430-04	BS 14-430-05	BS 14-430-06

 1:1	 1:1	 1:1
Fig. 4	Fig. 5	Fig. 6
BS 14-430-07	BS 14-430-08	BS 14-430-09



	 1:1	 1:1	 1:1
	Fig. 000	Fig. 00	Fig. 0
200 mm – 8 "	BS 14-435-01	BS 14-435-02	BS 14-435-03

curved

 1:1	 1:1	 1:1
Fig. 1	Fig. 2	Fig. 3
BS 14-435-04	BS 14-435-05	BS 14-435-06

 1:1	 1:1	 1:1
Fig. 4	Fig. 5	Fig. 6
BS 14-435-07	BS 14-435-08	BS 14-435-09

Scharfe Löffel

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"	BS 14-440-01	BS 14-440-02	BS 14-440-03	BS 14-440-04

straight



	 1:1	 1:1	 1:1	 1:1
	Fig. 0000	Fig. 000	Fig. 00	Fig. 0
	2.8 mm	3.6 mm	4.4 mm	5.2 mm
200 mm – 8"	BS 14-445-01	BS 14-445-02	BS 14-445-03	BS 14-445-04

1:2

Scharfe Löffel
Curettes tranchantes
Cucharillas cortantes
Cucchiai taglienti

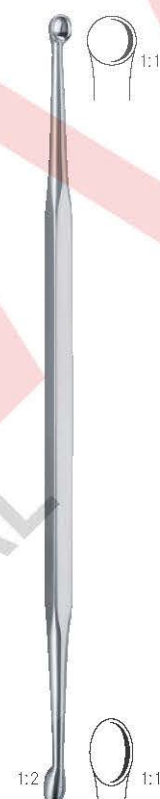


SCOVILLE	 1:1	 1:1	 1:1
	Fig. 1	Fig. 2	Fig. 3
250 mm – 9¾"	BS 14-450-01	BS 14-450-02	BS 14-450-03
<i>oval</i>			



LEMPERT	 1:1	 1:1	 1:1	 1:1	 1:1
	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 – 8½"	BS 14-455-01	BS 14-455-02	BS 14-455-03	BS 14-455-04	BS 14-455-05

Scharfe Löffel
Curettes tranchantes
Cucharillas cortantes
Cucchiai taglienti



VOLKMANN

130 mm – 5 "	BS 14-460-01	BS 14-461-01
140 mm – 5½ "	BS 14-460-02	BS 14-461-02
160 mm – 6¼ "	BS 14-460-03	BS 14-461-03
170 mm – 6¾ "	BS 14-460-04	BS 14-461-04
200 mm – 8 "	BS 14-460-05	BS 14-461-05

oval / oval

round / oval

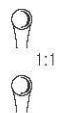
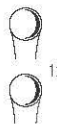
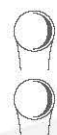
210 mm – 8¼ "

BS 14-465-01

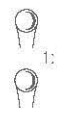
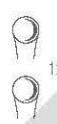
round / oval

Scharfe Löffel
Curettes tranchantes
Cucharillas cortantes
Cucchiai taglienti



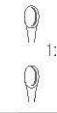
MARTINI			
	Fig. 00	Fig. 0	Fig. 1
	Fig. 0	Fig. 1	Fig. 2
135 mm – 5 1/4"	BS 14-470-01	BS 14-470-02	BS 14-470-03



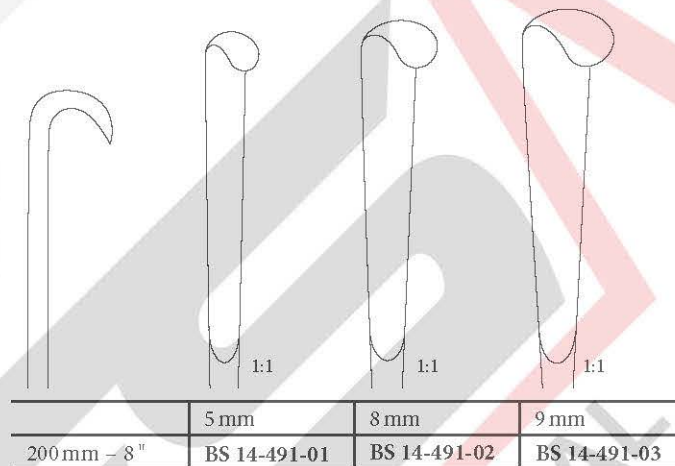
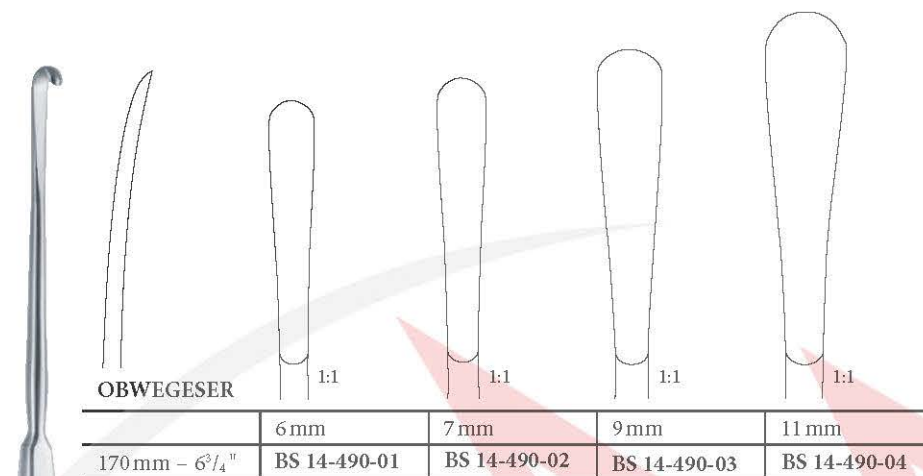
MARTINI			
	Fig. 00	Fig. 0	Fig. 1
	Fig. 00	Fig. 0	Fig. 1
155 mm – 6"	BS 14-475-01	BS 14-475-02	BS 14-475-03



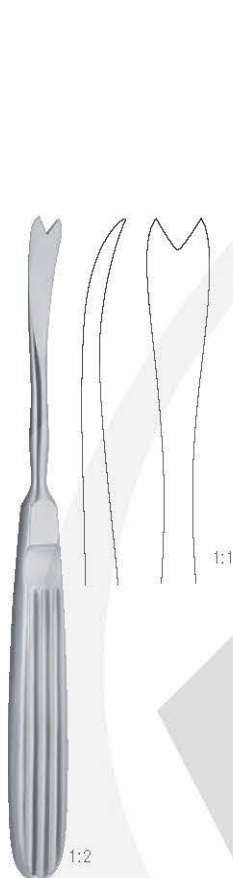
WILLIGER			
	Fig. 00	Fig. 0	Fig. 1
	Fig. 0	Fig. 1	Fig. 2
135 mm – 5 1/4"	BS 14-480-01	BS 14-480-02	BS 14-480-03

WILLIGER			
	Fig. 00	Fig. 0	Fig. 1
	Fig. 00	Fig. 0	Fig. 1
155 mm – 6"	BS 14-485-01	BS 14-485-02	BS 14-485-03

Raspatorien für die Kieferchirurgie
 Rugines – Décolleurs pour la chirurgie maxillo-
 faciale Periostótomos para la cirugía maxilofacial
 Raspatori per chirurgia massilofaciale



Raspatorien für die Kieferchirurgie
 Rugines – Décolleurs pour la chirurgie maxillo-
 faciale Periostótomos para la cirugía maxilofacial
 Raspatori per chirurgia massilofaciale



OBWEGESER

175 mm – 7"

BS 14-500-01



OBWEGESER

230 mm – 9"

BS 14-505-01



OBWEGESER

180 mm – 7"

BS 14-510-01



OBWEGESER

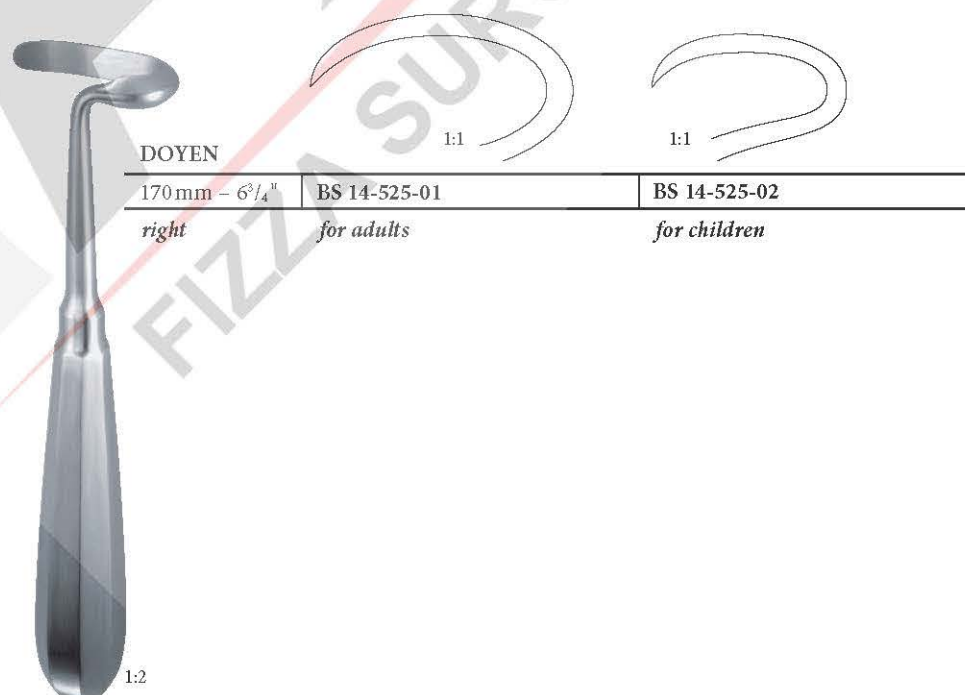
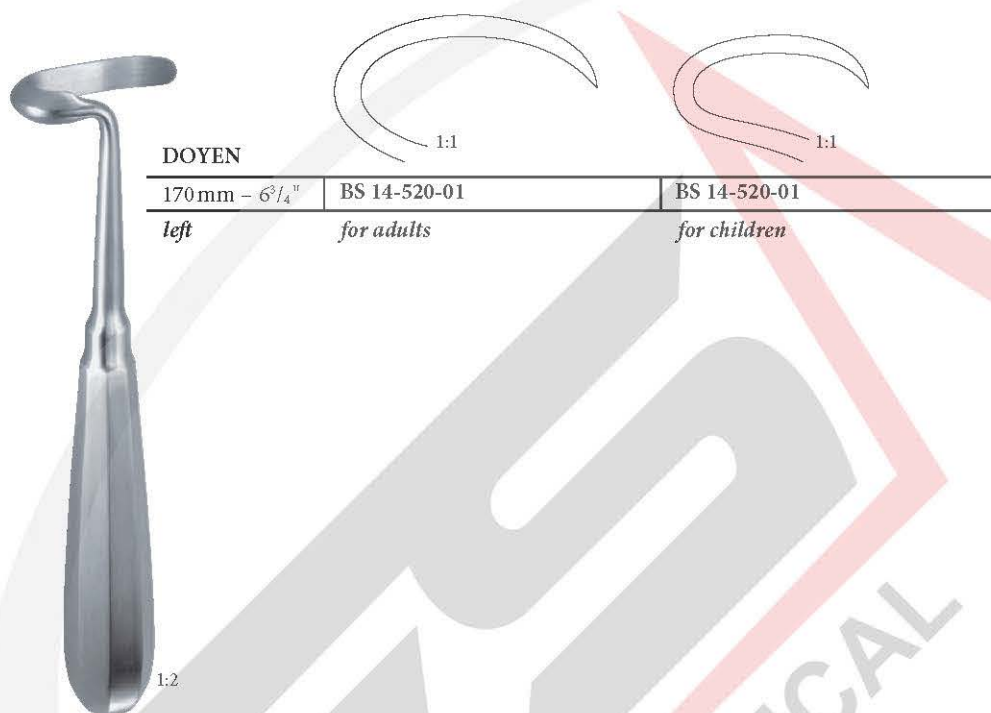
140 mm – 5½"

BS 14-515-01

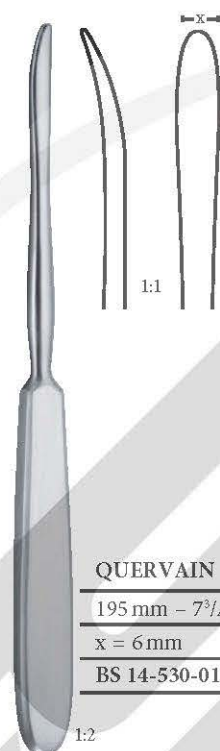
Raspatorien – Elevatorien

Rugines – Elevateurs Raspatorios – Elevadores

Periostotomi – Elevatori



Raspatorien – Elevatorien
Rugines – Elevateurs
Raspatorios – Elevadores
Periostotomi – Elevatori



QUERVAIN

195 mm – 7³/₄''

x = 6 mm

BS 14-530-01

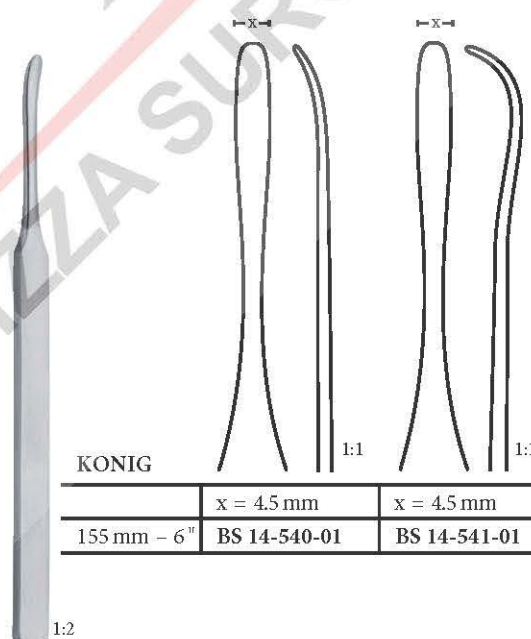


TRELAT

150 mm – 6''

x = 8 mm

BS 14-535-01



KONIG

x = 4.5 mm

x = 4.5 mm

155 mm – 6''

BS 14-540-01

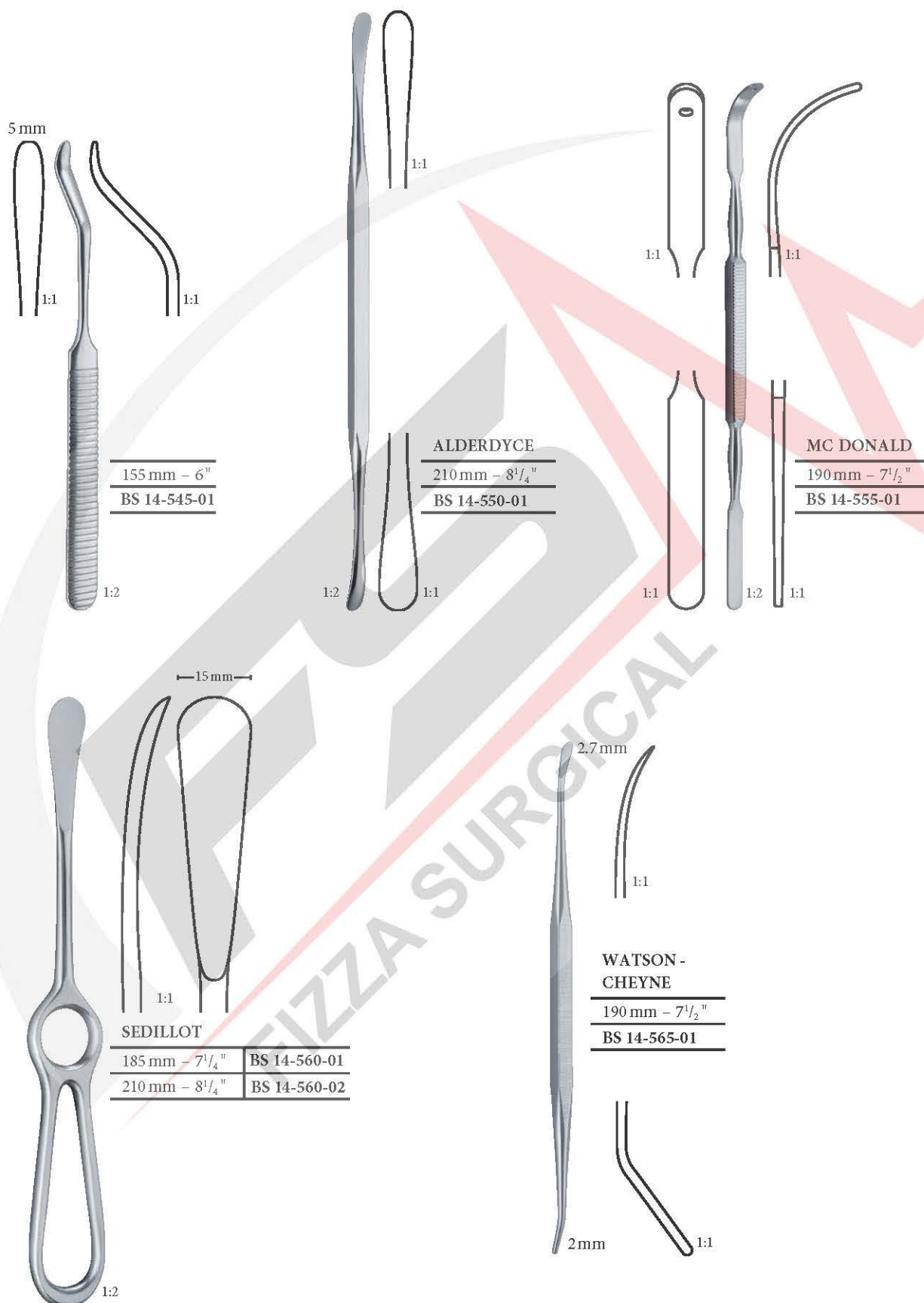
BS 14-541-01

Raspatorien – Elevatorien

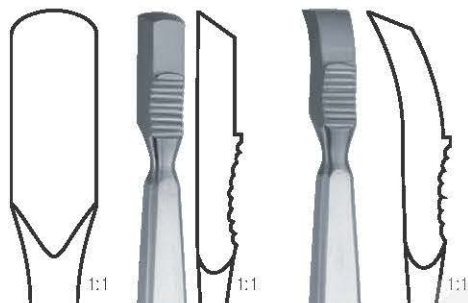
Rugines – Elevateurs

Raspatorios – Elevadores

Periostotomi – Elevatori



Raspatorien – Elevatorien
Rugines – Elevateurs
Raspatorios – Elevadores
Periostotomi – Elevatori



FARABEUF

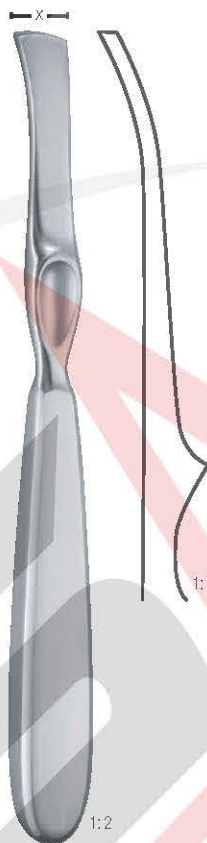
150 mm – 6"

BS 14-570-01

straight

BS 14-571-01

curved



LAMBOTTE

210 mm – 8 1/4"

x = 5 mm

BS 14-575-01

x = 10 mm

BS 14-575-02

x = 15 mm

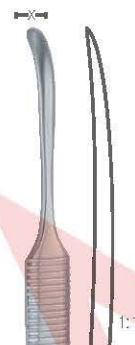
BS 14-575-03

x = 20 mm

BS 14-575-04

x = 25 mm

BS 14-575-05



WILLIGER

130 mm – 5"

x = 5 mm

BS 14-585-01



ADSON

170 mm – 6 3/4"

Fig. 1

BS 14-580-01

Fig. 2

BS 14-580-02

Fig. 3

BS 14-580-03

Fig. 4

BS 14-580-04



WILLIGER

160 mm – 6 1/4"

x = 4 mm

BS 14-590-01

x = 6 mm

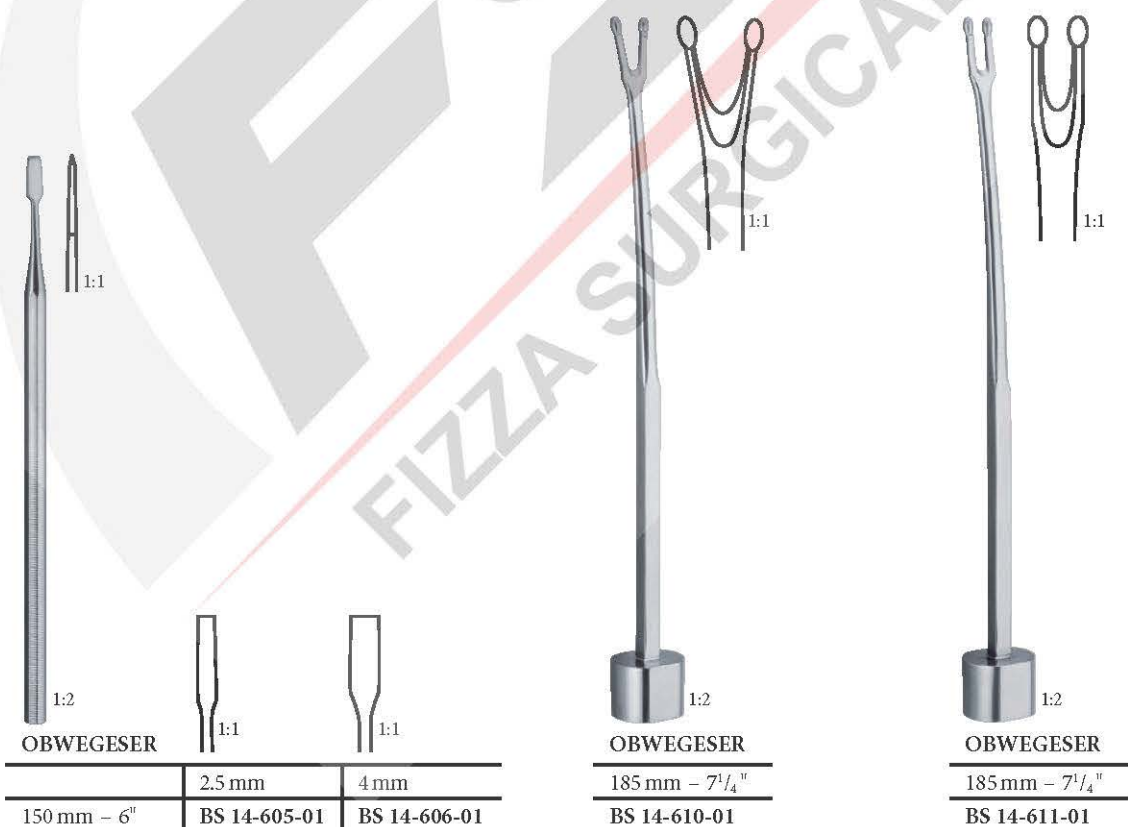
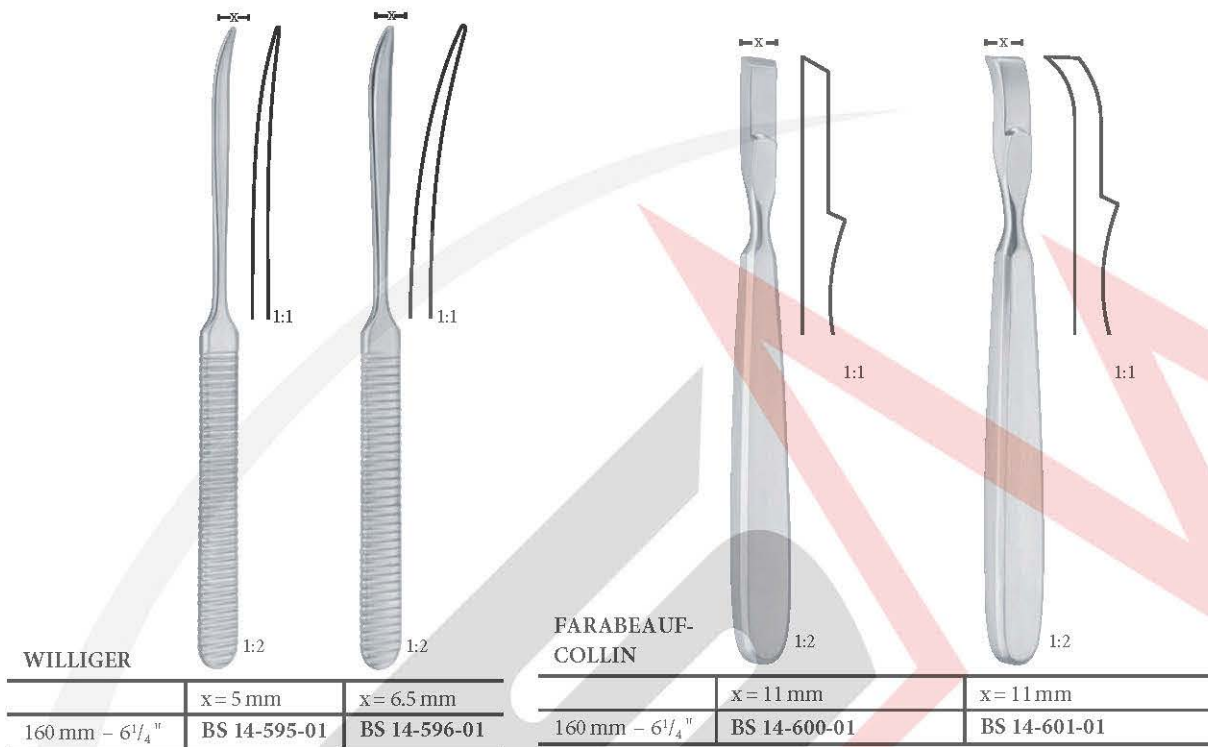
BS 14-590-02

Raspatorien – Elevatorien

Rugines – Elevateurs

Raspatorios – Elevadores

Periostotomi – Elevatori



Raspatorien – Elevatorien
 Rugines – Elevateurs
 Raspatorios – Elevadores
 Periostotomi – Elevatori



SEMB	 1:2	 1:2	 1:2	 1:2	 1:2	 1:2
	175 mm – 7"	210 mm – 8 ¹ / ₄ "	175 mm – 7"	210 mm – 8 ¹ / ₄ "	225 mm – 8 ³ / ₄ "	220 mm – 8 ³ / ₄ "
	12 mm	12 mm	13 mm	13 mm	13 mm	15 mm
	BS 14-615-01	BS 14-615-02	BS 14-615-03	BS 14-615-04	BS 14-615-05	BS 14-615-06



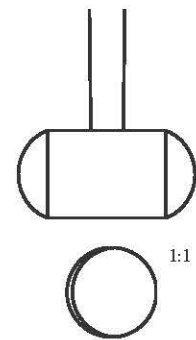
HOWARTH
 215 mm – 8¹/₂"
 BS 14-620-01
 sharp / blunt



LANGEN-BECK
 180 mm – 7"
 BS 14-625-01



190 mm – 7¹/₂"
 BS 14-630-01



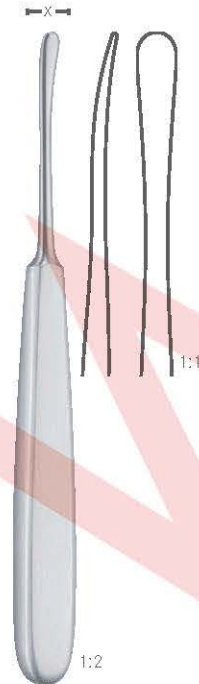
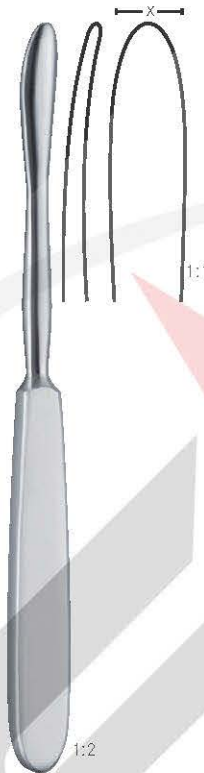
ALEXANDER
 200 mm – 8"
 BS 14-635-01

Raspatorien – Elevatorien
Rugines – Elevateurs
Raspatorios – Elevadores
Periostotomi – Elevatori



LANGENBECK

	x = 8 mm	x = 10 mm
200 mm – 8"	BS 14-640-01	BS 14-645-01



SEBILEAU

	x = 5 mm
175 mm – 7"	BS 14-650-01



BS 14-655-01

extrem leicht
extremely light
extrêmement léger
extremamente ligero
estremamente leggera



COBB

	290 mm – 11 1/2"
x = 10 mm	BS 14-660-01
x = 13 mm	BS 14-660-02
x = 19 mm	BS 14-660-03

Spinal raspatory
Rugine vertebraal

KEY	1:1	1:1	1:1
	180 mm – 7"	190 mm – 7 1/2"	190 mm – 7 1/2"
	x = 6 mm	x = 10 mm	x = 12 mm
	BS 14-665-01	BS 14-665-02	BS 14-665-03

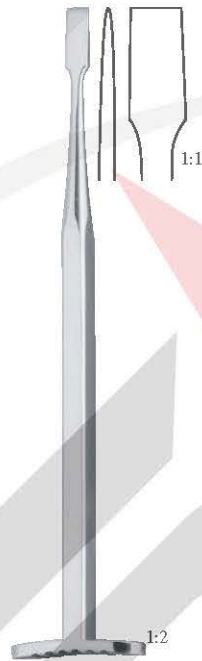
1:1	1:1
200 mm – 8"	210 mm – 8 1/4"
x = 19 mm	x = 25 mm
BS 14-665-04	BS 14-665-05

Meniskotome
Bistouries à ménisques
Bisturios para meniscos
Bisturi per menisco



BIRCHER

190 mm – 7½" | **BS 14-670-01**

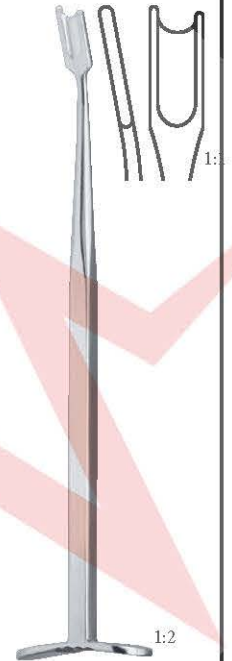


SMILLIE

170 mm – 6¾" | **BS 14-675-01**



BS 14-675-02



BS 14-675-03

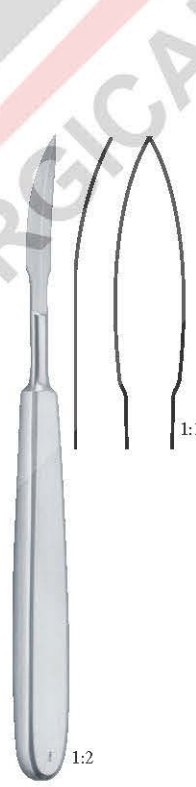


**KANADISCHES
MODELL**

200 mm – 8" | **BS 14-680-01**



BS 14-680-02



180 mm – 7" | **BS 14-680-03**



NEFF

220 mm – 8¾"



BS 14-685-01

links
left



BS 14-685-02

rechts
right

Sehnenstripper

Instruments à écorcher les tendons

Enucleadores de tendones

Scollatendini



	1:1
230 mm – 9"	4.0 mm Ø
	BS 14-690-01

Schaft biegsam
Malleable shaft

Tige malléable
Tija maleable
Asta malleabile

	1:1
	4.5 mm Ø
	BS 14-690-02

	1:1
	5.5 mm Ø
	BS 14-690-03



BUNNELL		1:1
	Fig. 1	
150 mm – 6"		BS 14-695-01

	1:1
Fig. 2	
BS 14-695-02	

	1:1
Fig. 3	
BS 14-695-03	

	1:1
Fig. 4	
BS 14-695-04	

	1:1
Fig. 5	
BS 14-695-05	



1:1



1:1



1:1



1:2

**KLEINERT-
KUTZ**

200 mm – 8"
20 mm Ø
BS 14-700-01

BUNNELL

230 mm – 9"
BS 14-705-01

Tendon passer



1:2

FISCHER

310 mm – 12 1/4"
BS 14-710-01

Sehnenfasszangen
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 – 7½"	240 mm – 9½"
	BS 14-715-01	BS 14-715-02	BS 14-715-03



130 mm – 5"
BS 14-720-01



 1:1	 1:1
150 mm – 6"	BS 14-725-01
	BS 14-726-01

Hohlmeißelzangen

Pinces gouges

Pinzas gubias

Pinze sgorbie



LUER
Fig. 1
150 mm – 6" BS 14-730-01



Fig. 2
BS 14-731-01



LUER
170 mm – 6³/₄" BS 14-735-01



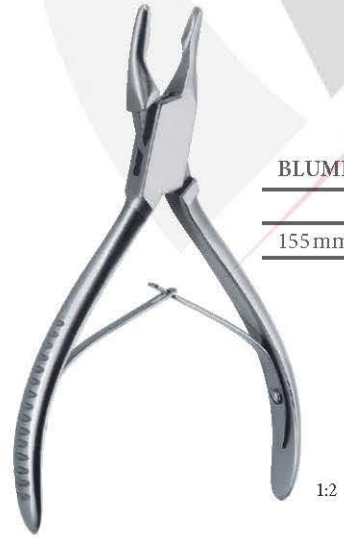
BS 14-736-01



MINI-
FRIEDMANN
120 mm – 4³/₄"
BS 14-740-01



FRIEDMANN
140 mm – 5¹/₂"
BS 14-745-01



BLUMENTHAL
Fig. 1
155 mm – 6" BS 14-750-01

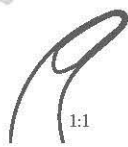
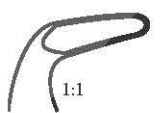


Fig. 3
BS 14-750-03



JANSEN
Fig. 1
180 mm – 7" BS 14-755-01



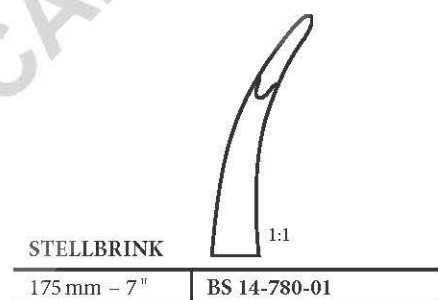
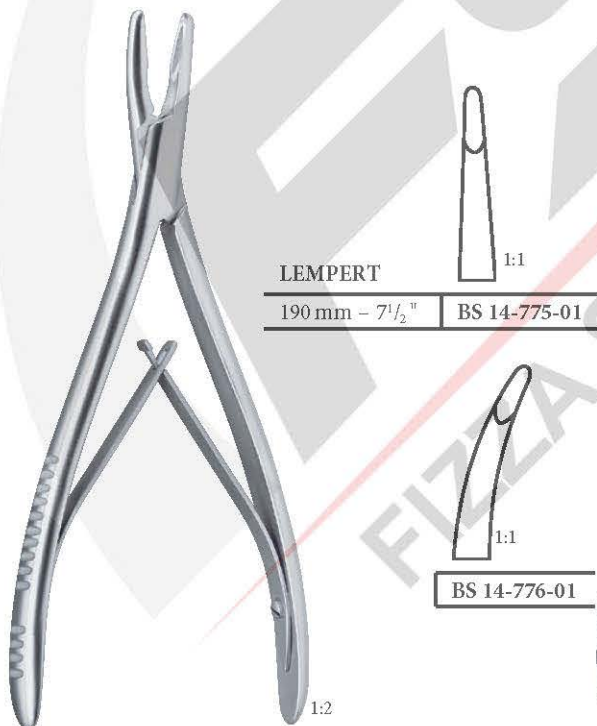
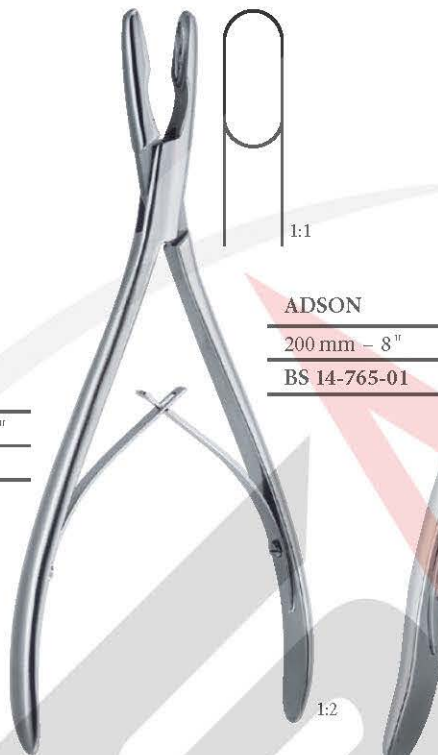
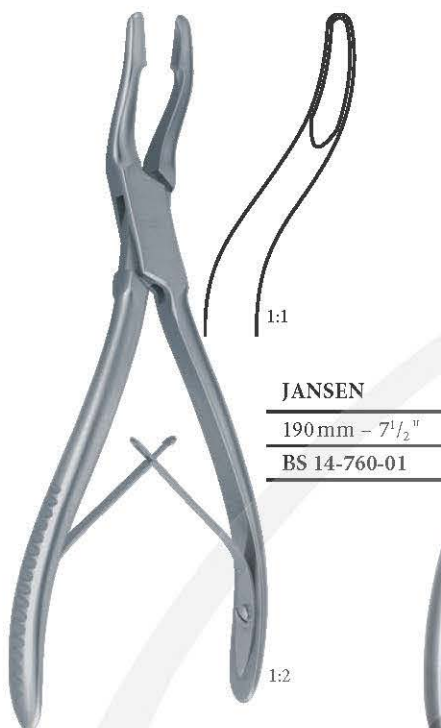
Fig. 2
BS 14-755-02

Hohlmeißelzangen

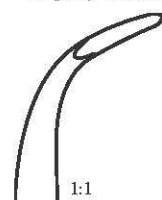
Pinces gouges

Pinzas gubias

Pinze sgorbie



leicht gebogen
slightly curved



BS 14-781-01

stark gebogen
strongly curved

Hohlmeißelzangen

Pinces gouges

Pinzas gubias

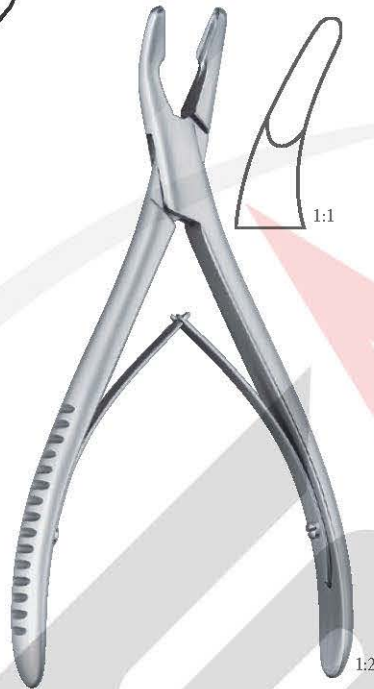
Pinze sgorbie



OLIVECRONA

205 mm – 8"

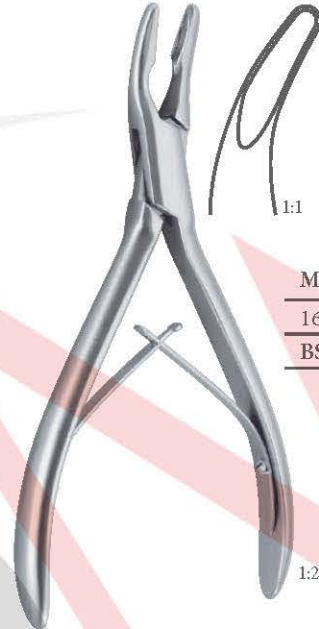
BS 14-785-01



HARTMANN

175 mm – 7"

BS 14-790-01



MEAD

165 mm – 6½"

BS 14-795-01



Cleveland

170 mm – 6¾"

BS 14-800-01



CLEVELAND

140 mm – 5½"

BS 14-805-01



BOHLER

150 mm – 6"

BS 14-810-01



BS 14-811-01

Hohlmeißelzangen

Pinces gouges

Pinzas gubias

Pinze sgorbie



BEYER

180 mm – 7"

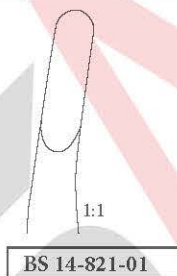
BS 14-815-01



RUSKIN

180 mm – 7"

BS 14-820-01



BS 14-821-01



MAYFIELD

175 mm – 7"

BS 14-825-01



ZAUFAL-JANSEN

180 mm – 7"

BS 14-830-01



MARQUARDT

200 mm – 8"

BS 14-835-01

Hohlmeißelzangen

Pinces gouges

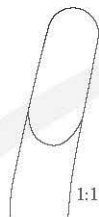
Pinzas gubias

Pinze sgorbie



**STILLE -
RUSKIN**

230 mm – 9" **BS 14-840-01**



1:1



1:1

BS 14-841-01



STILLE

1:1

4 mm

230 mm – 9" **BS 14-845-01**



1:1

6 mm

BS 14-845-02



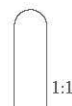
1:1

8 mm

BS 14-845-03



LEKSELL



1:1

4 mm

240 mm – 9½" **BS 14-850-01**



1:1

6 mm

BS 14-850-02



1:1

8 mm

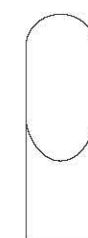
BS 14-850-03



STILLE-LUER

1:1

220 mm – 8¾" **BS 14-855-01**



1:1

BS 14-856-01

Hohlmeißelzangen

Pinces gouges

Pinzas gubias

Pinze sgorbie

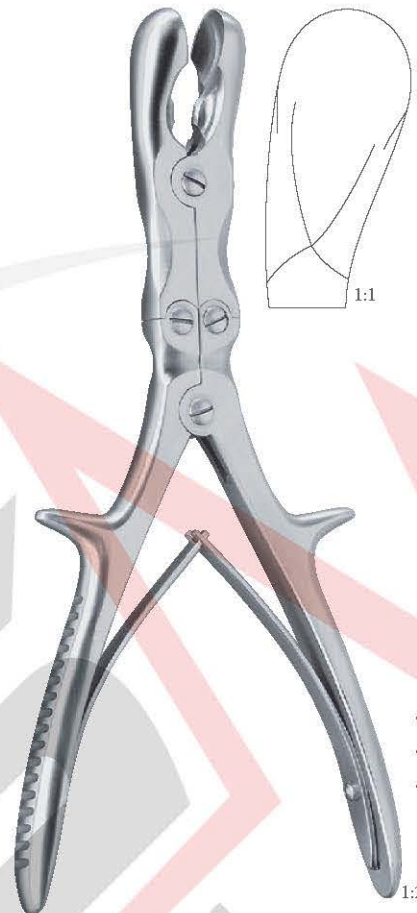


**ROTTGEN-
RUSKIN**

230 mm – 9"

BS 14-860-01

1:2



SEMB

240 mm – 9 1/2"

BS 14-865-01

1:2



ECHLIN

230 mm – 9"

BS 14-870-01

1:2



BS 14-870-02



FRYKHOLM

240 mm – 9 1/2"

BS 14-875-01

1:2

Hohlmeißelzangen
Pinces gouges
Pinzas gubias
Pinze sgorbie

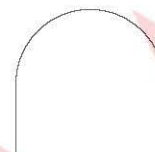


SAUERBRUCH

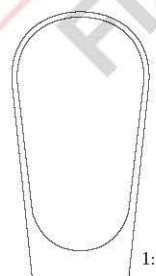
	Fig. 1	Fig. 2
300 mm – 12"	BS 14-880-01	BS 14-881-01



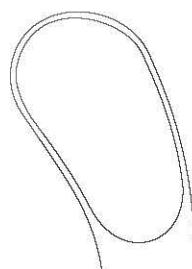
1:1



1:1



1:1



1:1

LUER-STILLE

270 mm – 10 ³ / ₄ "	BS 14-885-01	BS 14-886-01
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1:2

Knochensplitterzangen
Pincas coupantes à os
Pinzas cortantes para huesos
Cesoie per ossa



**COTTLE-
KAZANJIAN**

190 mm – 7½" ^W

BS 14-890-01



LISTON

140 mm – 5½" ^W

BS 14-895-01

BS 14-896-01

170 mm – 6¾" ^W

BS 14-895-02

BS 14-896-02

190 mm – 7½" ^W

BS 14-895-03

BS 14-896-03

220 mm – 8¾" ^W

BS 14-895-04

BS 14-896-04



BOHLER

150 mm – 6" ^W

BS 14-900-01

BS 14-901-01



RUSKIN- LISTON

185 mm – 7¼" ^W

BS 14-905-01

BS 14-906-01

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



SEMB

240 mm – 9¹/₂"

BS 14-910-01

1:2



LISTON-KEY HORSLEY

270 mm – 10³/₄"

BS 14-915-01

1:2



STILLE-LISTON

270 mm – 10³/₄"

BS 14-920-01

BS 14-921-01

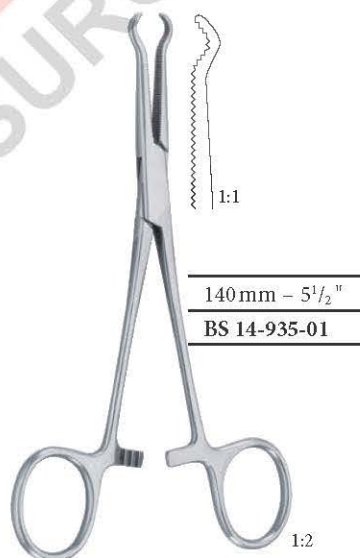
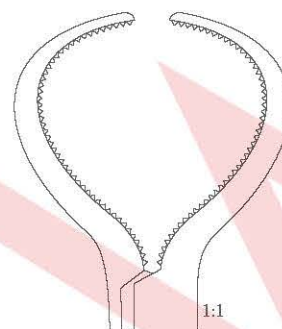
BS 14-922-01

1:1

1:1

1:1

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



BONE SURGERY- Bone Holding Clamps – Bone Holding Forceps

Knochenhalteklammern – Knochenhaltezangen

Daviers à os – Daviers porte-os

Pinzas porta huesos – Pinzas para huesos

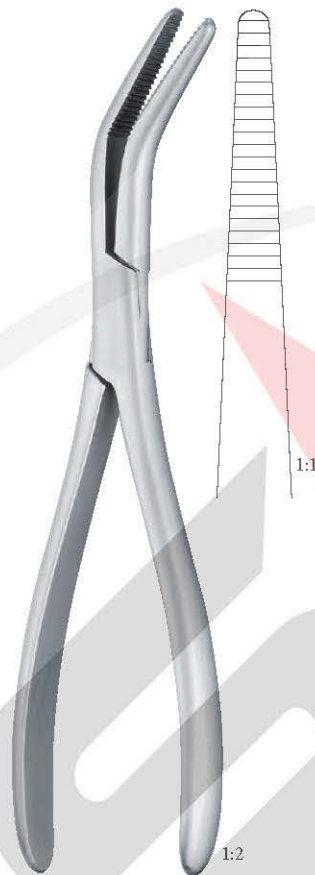
Tenaglie per ossa



FERGUSSON

210 mm – 8¹/₄"

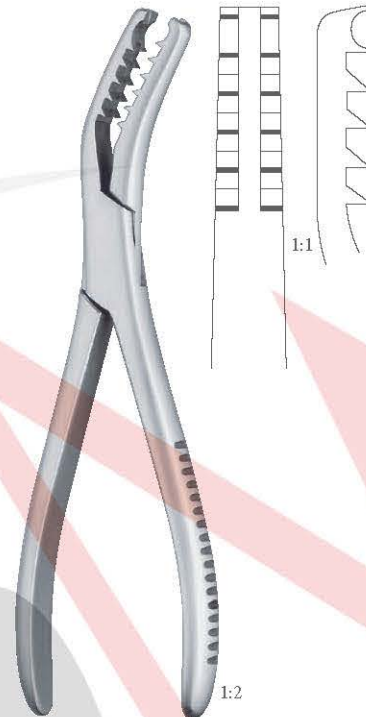
BS 14-940-01



VAN BUREN

230 mm – 9"

BS 14-945-01



SEMB

190 mm – 7¹/₂"

BS 14-950-01



LANGENBECK

210 mm – 8¹/₄"

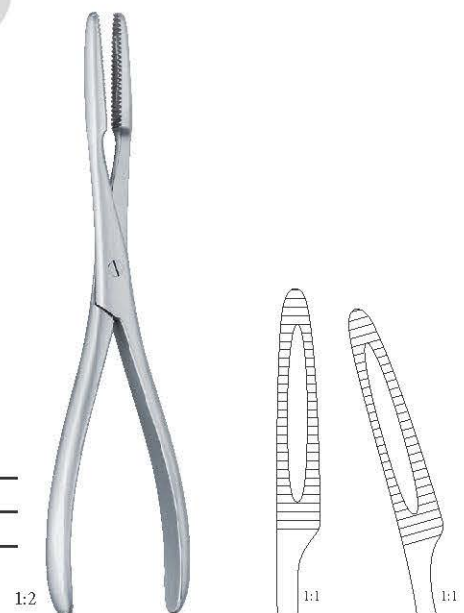
BS 14-955-01



DINGMANN

190 mm – 7¹/₂"

BS 14-960-01



200 mm – 8"

BS 14-965-01

BS 14-966-01

Sequesterzange
Sequestrum forceps

Knochenhalte­zangen
Daviers porte-os
Pinzas para huesos
Tenaglie per ossa



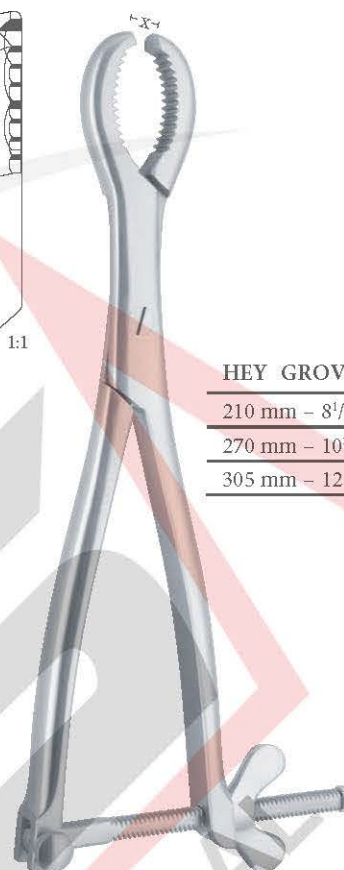
FARABEUF

230 mm – 9"	BS 14-970-01
260 mm – 10 ¹ / ₄ "	BS 14-970-02



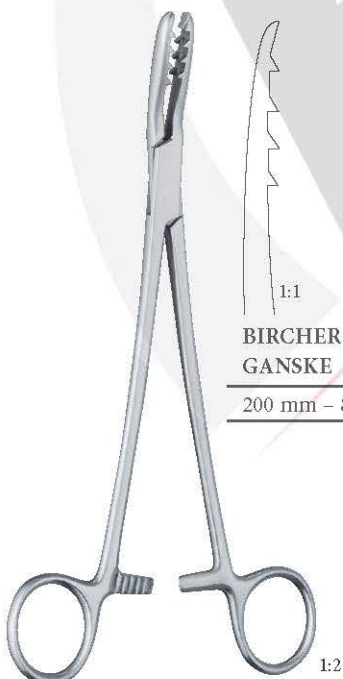
FARABEUF - LAMBOTTE

260 mm – 10 ¹ / ₄ "
BS 14-975-01



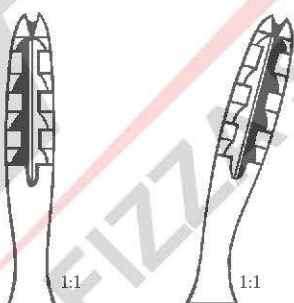
HEY GROVES

210 mm – 8 ¹ / ₄ "	x = 6.5 mm	BS 14-980-01
270 mm – 10 ³ / ₄ "	x = 7.5 mm	BS 14-980-02
305 mm – 12"	x = 8.5 mm	BS 14-980-03



BIRCHER - GANSKE

200 mm – 8"	BS 14-985-01	BS 14-986-01
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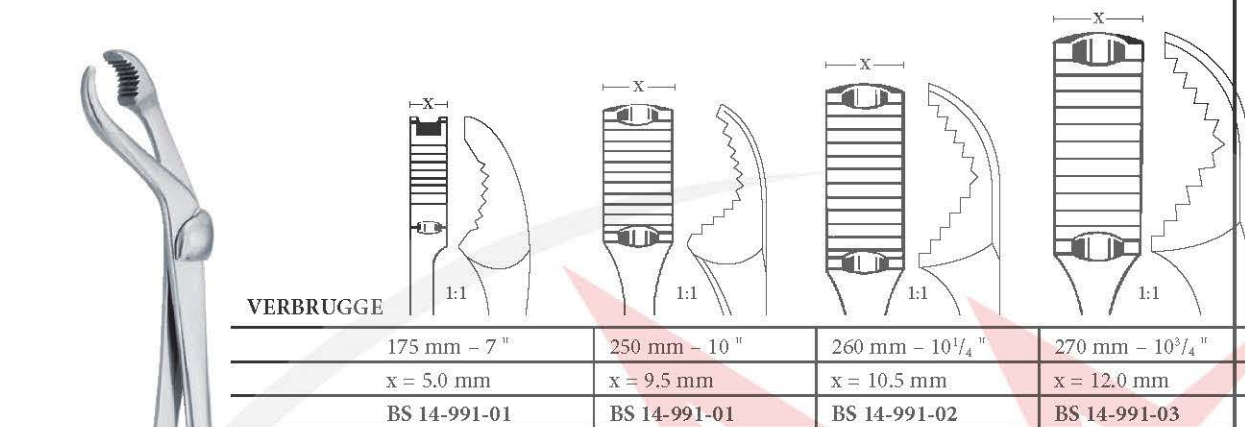


MARTIN

190 mm – 7 ¹ / ₂ "
BS 14-990-01



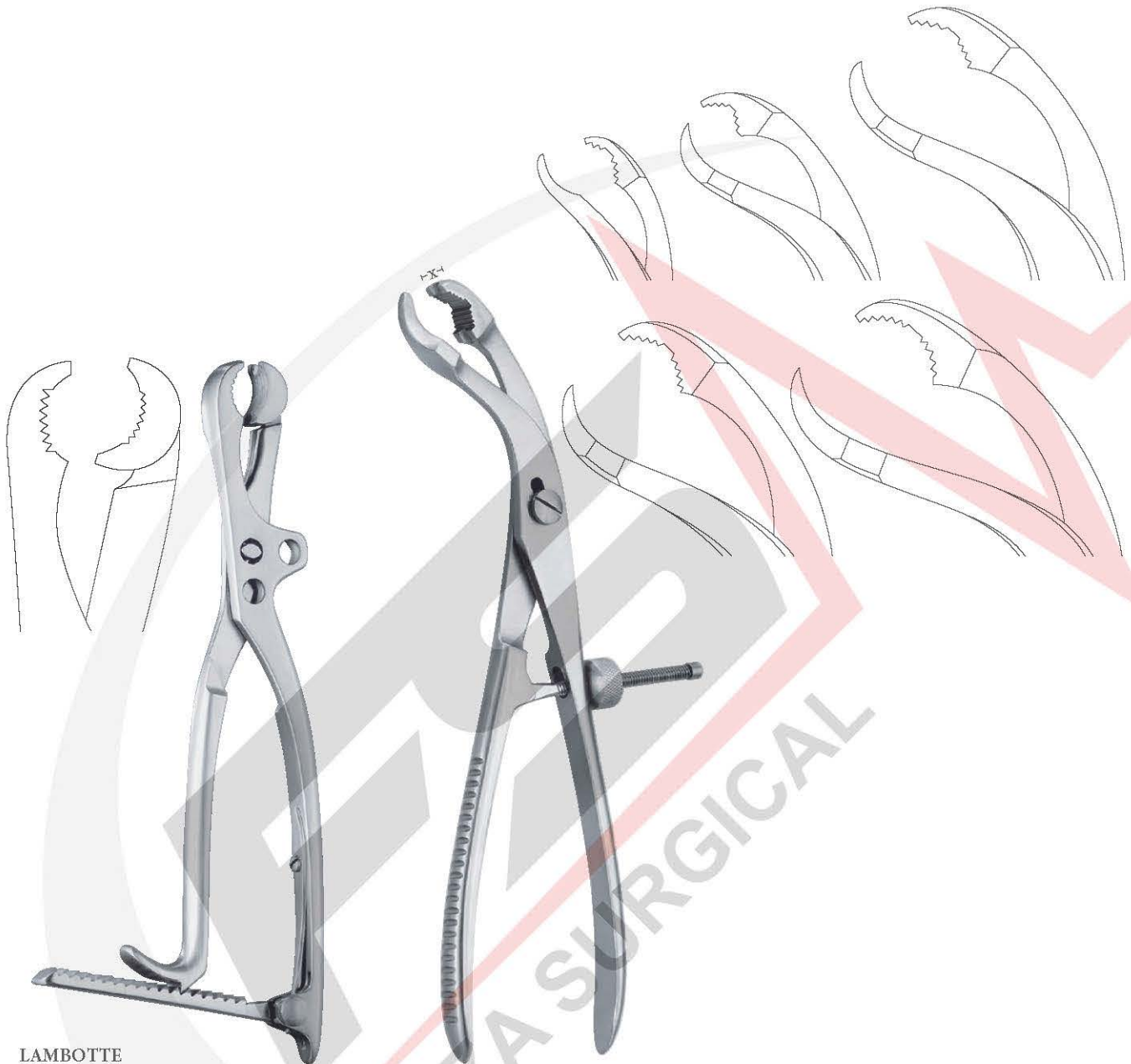
Knochenhalte­zangen
Daviers porte-os
Pinzas para huesos
Tenaglie per ossa



KERN

170 mm – 6 ³ / ₄ "	BS 14-992-01	BS 14-993-01
210 mm – 8 ¹ / ₄ "	BS 14-992-02	BS 14-993-02

Knochenhalte­zangen
Daviers porte-os
Pinzas para huesos
Tenaglie per ossa



LAMBOTTE

220 mm – 8 ³ / ₄ "	BS 14-994-01
270 mm – 10 ³ / ₄ "	BS 14-994-02
300 mm – 12 "	BS 14-994-03

One Jaw Mobile

150 mm – 6 "	x = 2.5 mm	BS 14-995-01
190 mm – 7 ¹ / ₂ "	x = 6.5 mm	BS 14-995-02
240 mm – 9 ¹ / ₂ "	x = 9.5 mm	BS 14-995-03
260 mm – 10 ¹ / ₄ "	x = 10.0 mm	BS 14-995-04
280 mm – 11 "	x = 11.0 mm	BS 14-995-05

Self-Centering

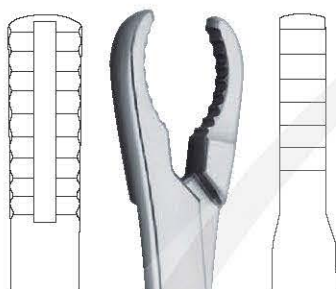
Knochenhalte­zangen
Daviers porte-os
Pinzas para huesos
Tenaglie per ossa



LANE

330 mm – 13 "	BS 14-996-01	BS 14-997-01
450 mm – 17 ³ / ₄ "	BS 14-996-02	BS 14-997-02

Knochenhaltezaugen
Daviers porte-os
Pinzas para huesos
Tenaglie per ossa



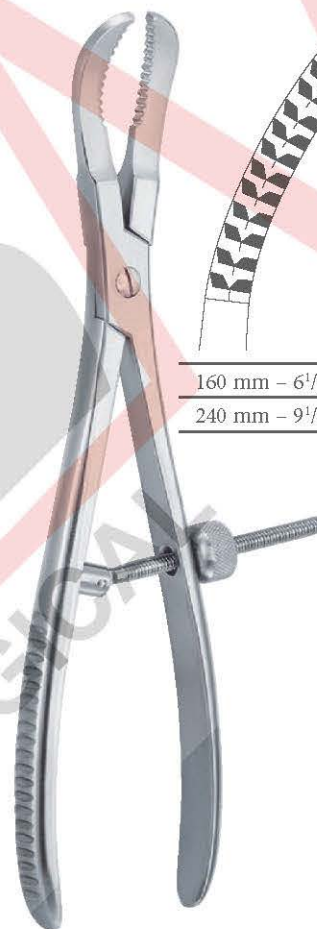
ULRICH

230 mm – 9 "	BS 14-998-01	BS 14-999-01
250 mm – 9 ³ / ₄ "	BS 14-998-02	BS 14-999-02
280 mm – 11 "	BS 14-998-03	BS 14-999-03

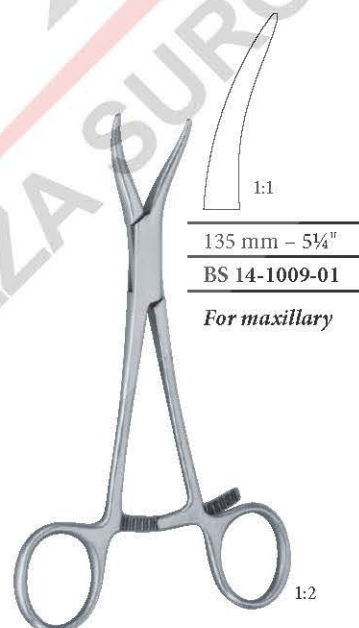
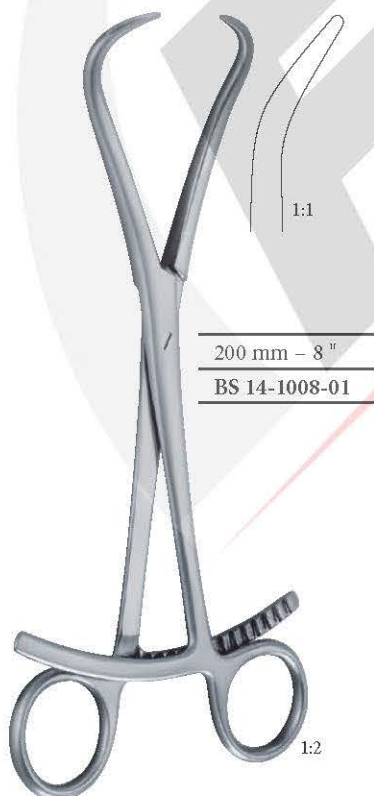
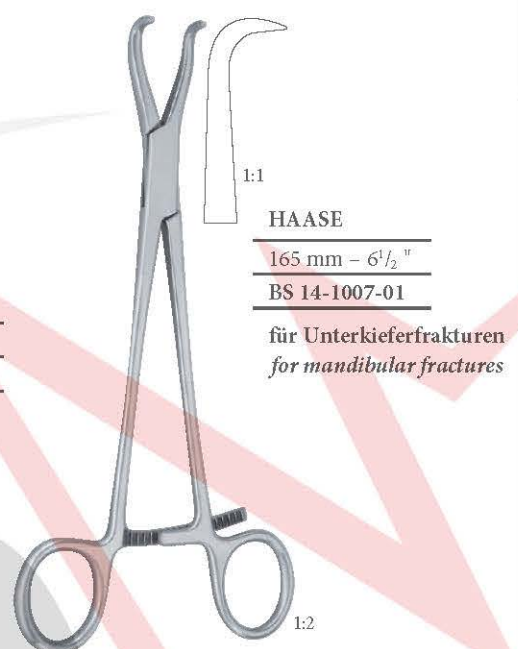
Angular



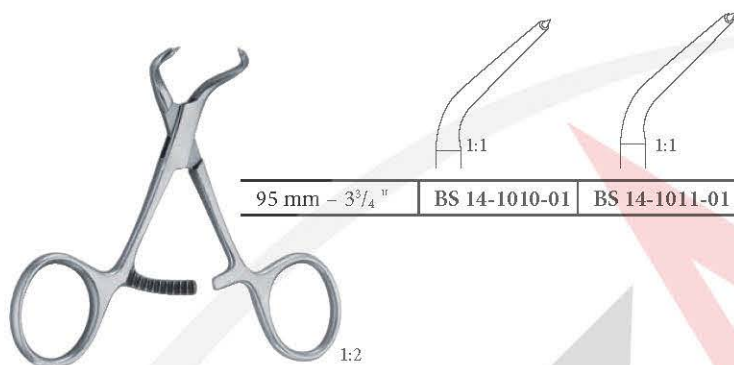
160 mm – 6 ¹ / ₄ "	BS 14-1000-01
240 mm – 9 ¹ / ₂ "	BS 14-1000-02



Knochenhaltezaugen – Repositionszangen
Daviers porte-os – Pinces de reposition Pinzas
para huesos – Pinzas para reposición
Tenaglie per ossa – Pinze per riposizione



Repositionszangen
Pinces de
reposition Pinzas
para reposición
Pinze per
riposizione



Draht-Instrumentarium
Instruments pour cerclage
Instrumental para cerclaje
Strumenti per filo di cerchiaggio



DEMEL

	280 mm – 11"
x = 32 mm	BS 14-1014-01
x = 45 mm	BS 14-1014-02
x = 62 mm	BS 14-1014-03



DEMEL

280 mm – 11"
BS 14-1015-01

Drahtschneidezangen
Pinces coupantes
Alicates para cortar alambre
Pinze taglia filo



Drahtschneidezangen
Pincers coupantes
Alicates para cortar alambre
Pinze taglia filo



180 mm – 7"	BS 14-1030-01
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For soft wires up to 2 mm Ø



180 mm – 7"	BS 14-1035-01
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For hard wires up to 1.7 mm Ø, for soft wires up to 2 mm Ø



150 mm – 6"	BS 14-1040-01
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*For hard wires up to 1 mm Ø,
For soft wires up to 1.5 mm Ø*



185 mm – 7 1/4"	BS 14-1050-01
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Wire cutting forceps for hard wires up to 1.6 mm Ø



145 mm – 5 3/4"	BS 14-1045-01
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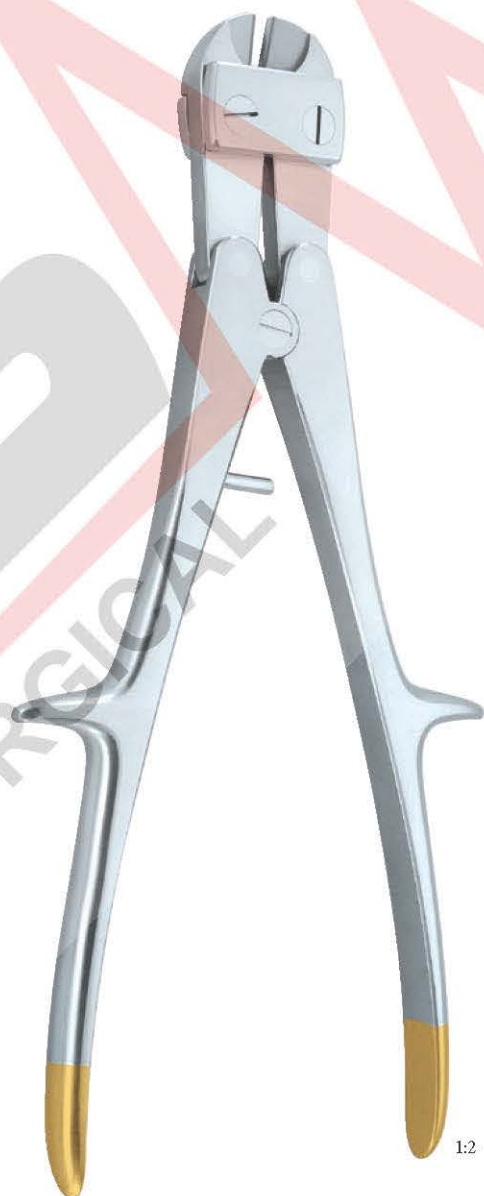
For hard wires up to 1 mm Ø

Drahtschneidezangen
Pinces coupantes
Alicates para cortar alambre
Pinze taglia filo



570 mm – 22 1/2" **BS 14-1055-01**

For Kirschner wires and Steinmann pins up to **6 mm Ø**



260 mm – 10 1/4" **BS 14-1060-01**

For hard wires up to 3 mm Ø

Technische Zangen
Pinces techniques
Pinzas tecnicas
Pinze tecniche



130 mm – 5 1/2"	BS 14-1065-01
180 mm – 7"	BS 14-1065-02



140 mm – 5 1/2"	BS 14-1070-01
170 mm – 6 3/4"	BS 14-1070-02



	180 mm – 7"	180 mm – 7"
x = 5 mm	BS 14-1075-01	BS 14-1076-01
x = 7 mm	BS 14-1075-02	BS 14-1076-02



170 mm – 6 3/4"	BS 14-1080-01
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220 mm – 8 3/4"	BS 14-1085-01
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Grip-Zange, kombiniert mit TC-
Schneider Grip forceps, combined with



190 mm – 7 1/2"	BS 14-1090-01
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Technische Zange, verstellbar
Technical forceps, adjustable

Technische Zangen
 Pinces techniques
 Pinzas tecnicas
 Pinze tecniche



185 mm – 7 1/4"	BS 14-1095-01
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Wire bending forceps



185 mm – 7 1/4"	BS 14-1100-01
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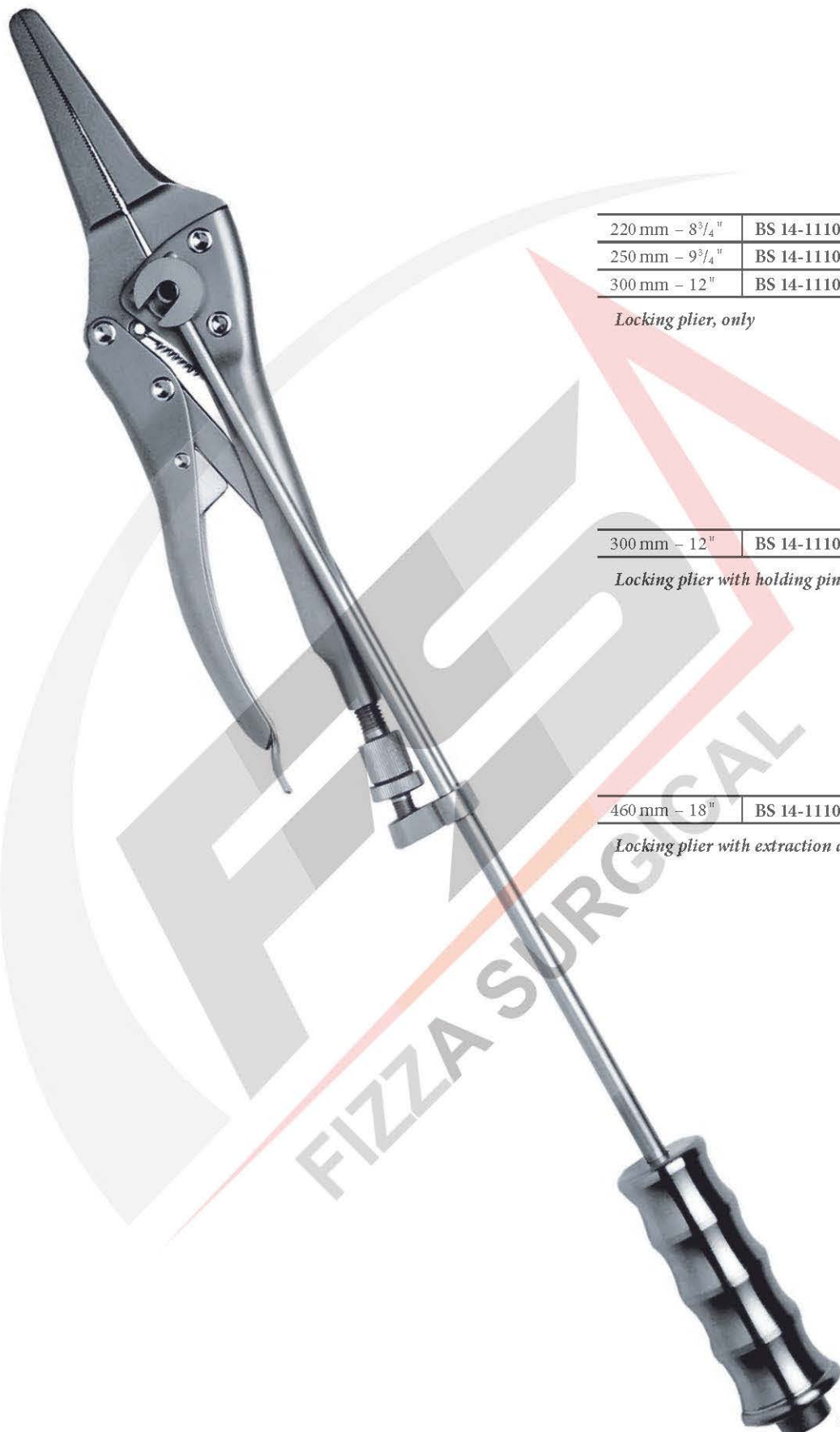
*Flat nose plier, parallel grip, incorporated
 cutter, for hard wires up to 1.6 mm Ø*



180 mm – 7"	BS 14-1105-01
200 mm – 8"	BS 14-1105-02
240 mm – 9 1/2"	BS 14-1105-03

Locking plier

Technische Zangen
Pinces techniques
Pinzas tecnicas
Pinze tecniche



220 mm – 8 ³ / ₄ "	BS 14-1110-01
250 mm – 9 ³ / ₄ "	BS 14-1110-02
300 mm – 12"	BS 14-1110-03

Locking plier, only

300 mm – 12"	BS 14-1110-04
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Locking plier with holding pins

460 mm – 18"	BS 14-1110-05
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Locking plier with extraction device

Technische Zangen
Pinces techniques
Pinzas tecnicas
Pinze tecniche



200 mm – 8"	BS 14-1115-01
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Plate bending plier for plates up to 2.7 mm

240 mm – 9½"	BS 14-1115-02
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Plate bending plier for plates up to 4 mm

Spiralbohrer – Pfrieme

Mèches – Alênes

Taladros espirales – Escariadores

Punte a spirale – Perforatori a mano



140 mm – 5½"
BS 14-1120-01



140 mm – 5½"
BS 14-1125-01



PERTHES

180 mm – 7"	BS 14-1130-01
210 mm – 8¼"	BS 14-1131-01