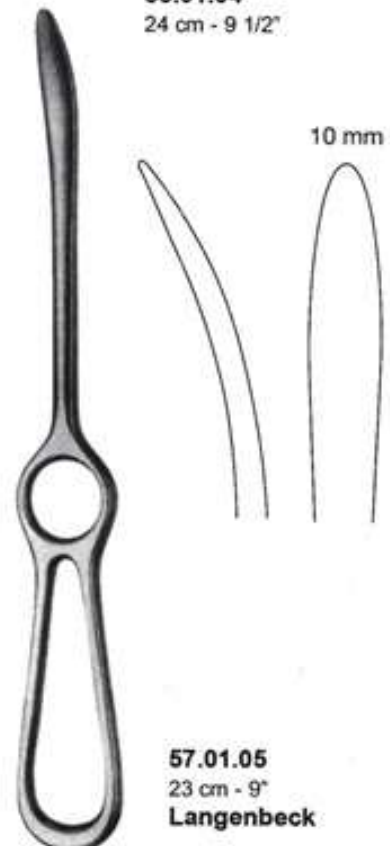
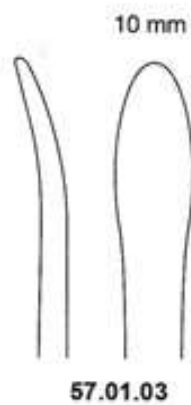
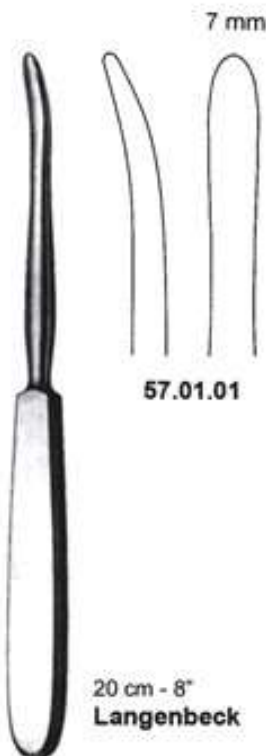


Bone Files

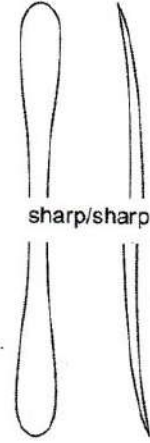


Elevators





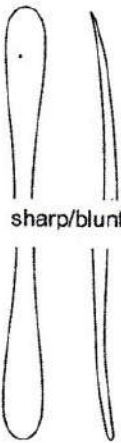
5 mm



sharp/sharp

58.01.01

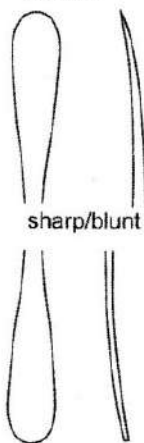
5 mm



sharp/blunt

58.01.03

6.5 mm



sharp/blunt

58.01.05

19 cm - 7 1/2"
Freer

5 mm



58.01.07

7 mm



58.01.09

Vascular spatulas

Schmid



6 mm



6 mm

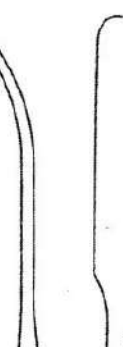


58.01.11
19 cm - 7 1/2"
MacDonald

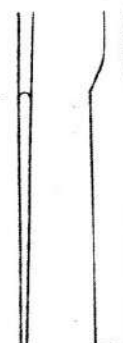


6 mm

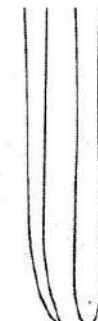
58.01.13
24 cm - 9 1/2"
Cohen



6 mm



1/1



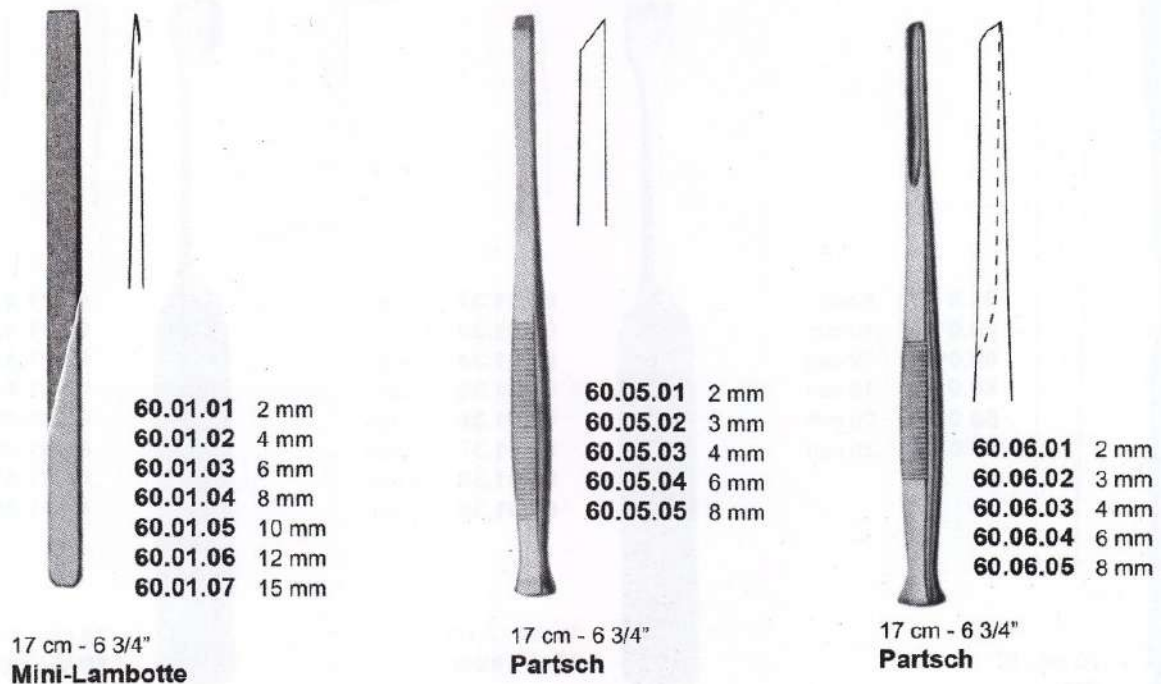
1/1

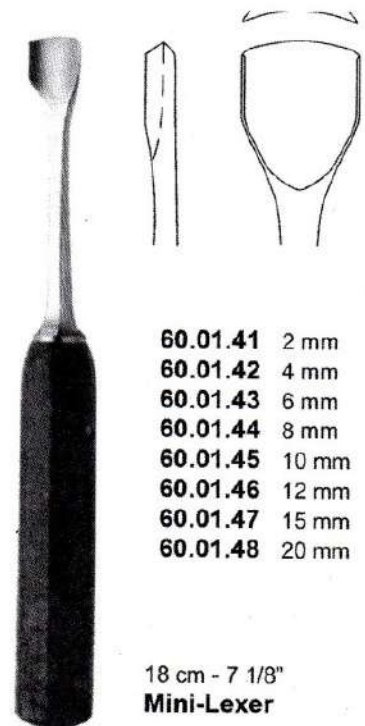
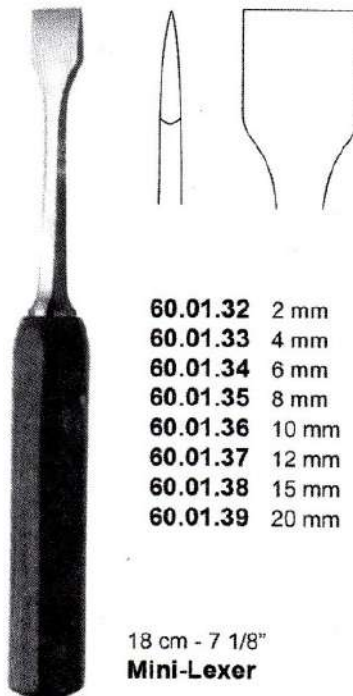
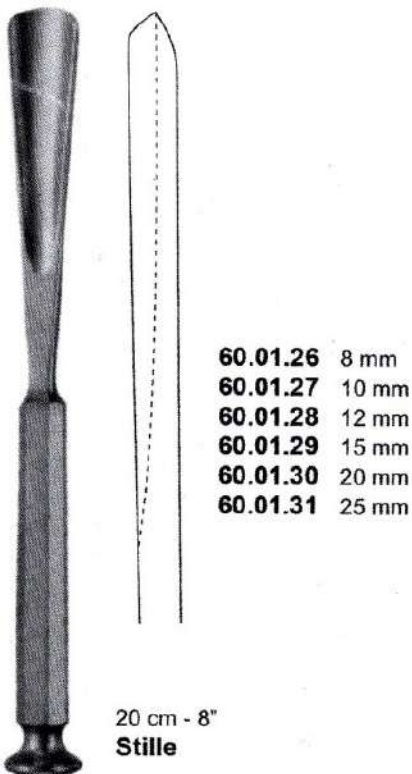
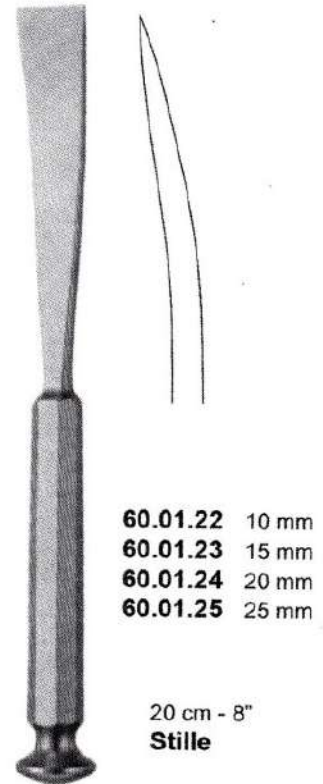
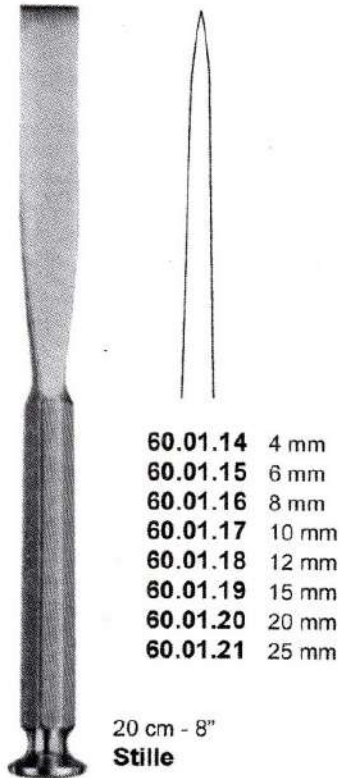
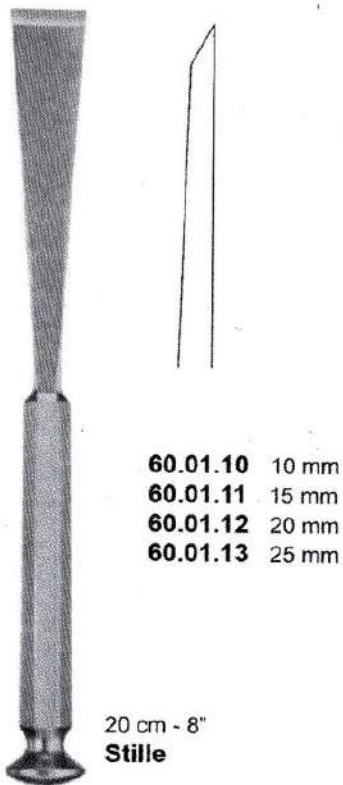
Howarth
58.01.15
sharp/blunt
215 mm, 8 1/2"

Mallets



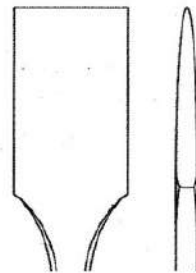
Osteotomes / Chisels / Gouges



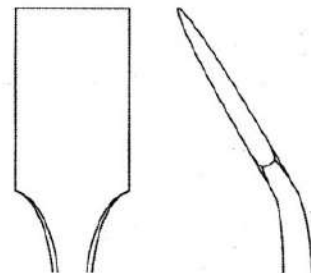




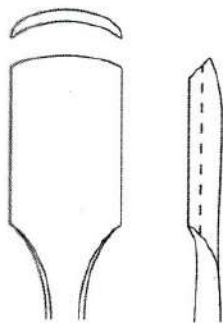
30 cm - 11 3/4"
Dahmen



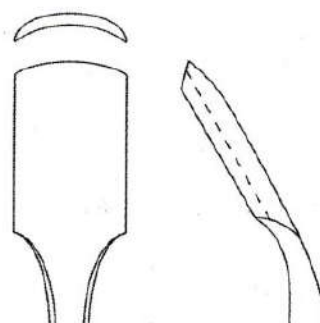
- 60.02.01 4 mm
- 60.02.02 5 mm
- 60.02.03 6 mm
- 60.02.04 8 mm
- 60.02.05 10 mm
- 60.02.06 12 mm
- 60.02.07 15 mm
- 60.02.08 20 mm
- 60.02.09 22 mm
- 60.02.10 25 mm



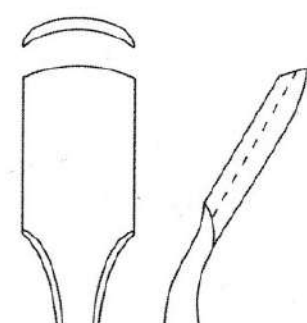
- 60.02.11 4 mm
- 60.02.12 5 mm
- 60.02.13 6 mm
- 60.02.14 8 mm
- 60.02.15 10 mm
- 60.02.16 12 mm
- 60.02.17 15 mm
- 60.02.18 20 mm
- 60.02.19 22 mm
- 60.02.20 25 mm



- 60.02.21 4 mm
- 60.02.22 5 mm
- 60.02.23 6 mm
- 60.02.24 8 mm
- 60.02.25 10 mm
- 60.02.26 12 mm
- 60.02.27 15 mm
- 60.02.28 20 mm
- 60.02.29 22 mm
- 60.02.30 25 mm

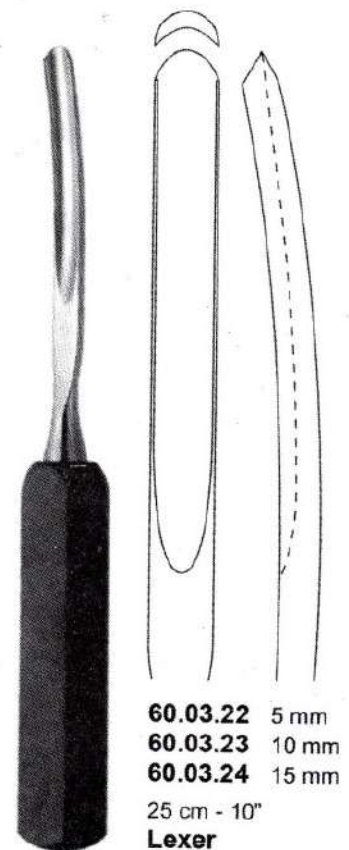
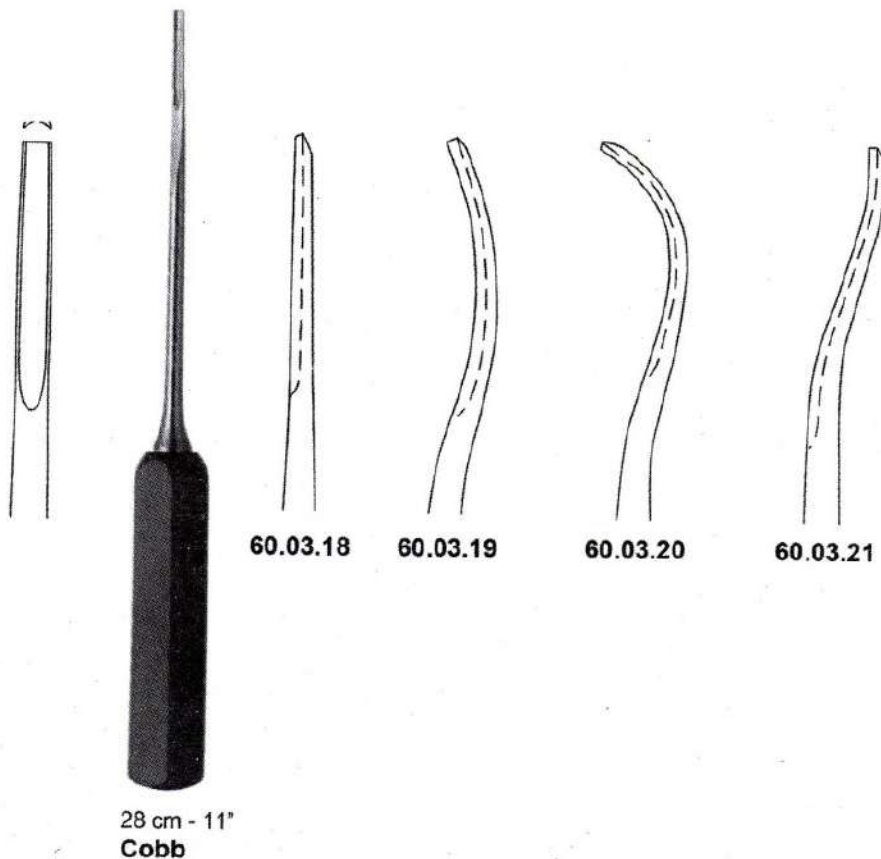
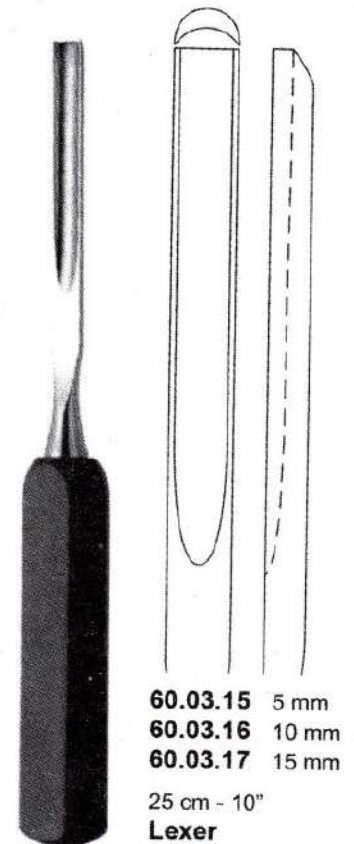
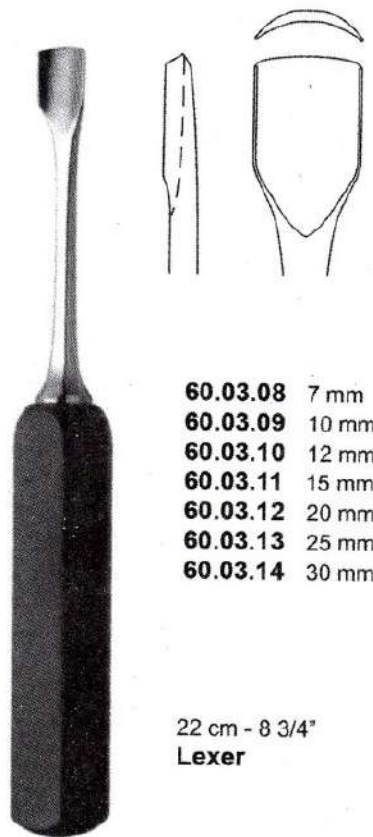


- 60.02.31 4 mm
- 60.02.32 5 mm
- 60.02.33 6 mm
- 60.02.34 8 mm
- 60.02.35 10 mm
- 60.02.36 12 mm
- 60.02.37 15 mm
- 60.02.38 20 mm
- 60.02.39 22 mm
- 60.02.40 25 mm



- 60.02.41 4 mm
- 60.02.42 5 mm
- 60.02.43 6 mm
- 60.02.44 8 mm
- 60.02.45 10 mm
- 60.02.46 12 mm
- 60.02.47 15 mm
- 60.02.48 20 mm
- 60.02.49 22 mm
- 60.02.50 25 mm

30 cm - 11 3/4"
Dahmen





60.03.25 4 mm
60.03.26 6 mm
60.03.27 8 mm
60.03.28 10 mm
60.03.29 12 mm
60.03.30 15 mm
60.03.31 20 mm
60.03.32 25 mm
60.03.33 30 mm
60.03.34 40 mm
60.03.35 44 mm
60.03.36 50 mm

22 cm - 8 3/4"
Lambotte



60.03.37 4 mm
60.03.38 6 mm
60.03.39 8 mm
60.03.40 10 mm
60.03.41 12 mm
60.03.42 15 mm
60.03.43 20 mm
60.03.44 25 mm
60.03.45 30 mm
60.03.46 40 mm
60.03.47 44 mm
60.03.48 50 mm

24 cm - 9 1/2"
Lambotte



60.03.50 6 mm - Straight
60.03.51 8 mm - Straight
60.03.52 6 mm - Curved
60.03.53 8 mm - Curved

24 cm - 9 1/2"
Cloward
Spinal Fusion Osteotomes

Impactors



● 60.04.03 3 mm

● 60.04.05 5 mm

● 60.04.08 8 mm

20 cm - 8"
Caspar



● 60.04.12 12 mm

● 60.04.14 14 mm

● 60.04.16 16 mm

20 cm - 8"
Caspar

Curettes



23 cm - 9"
Volkmann



61.01.01
0000



61.01.02
000



61.01.03
00



61.01.04
0



61.01.05
1



61.01.06
2



61.01.07
3



61.01.08
4



61.01.09
5



61.01.10
6



23 cm - 9"
Volkmann



61.02.01
0000



61.02.02
000



61.02.03
00



61.02.04
0



61.02.05
1



61.02.06
2



61.02.07
3



61.02.08
4

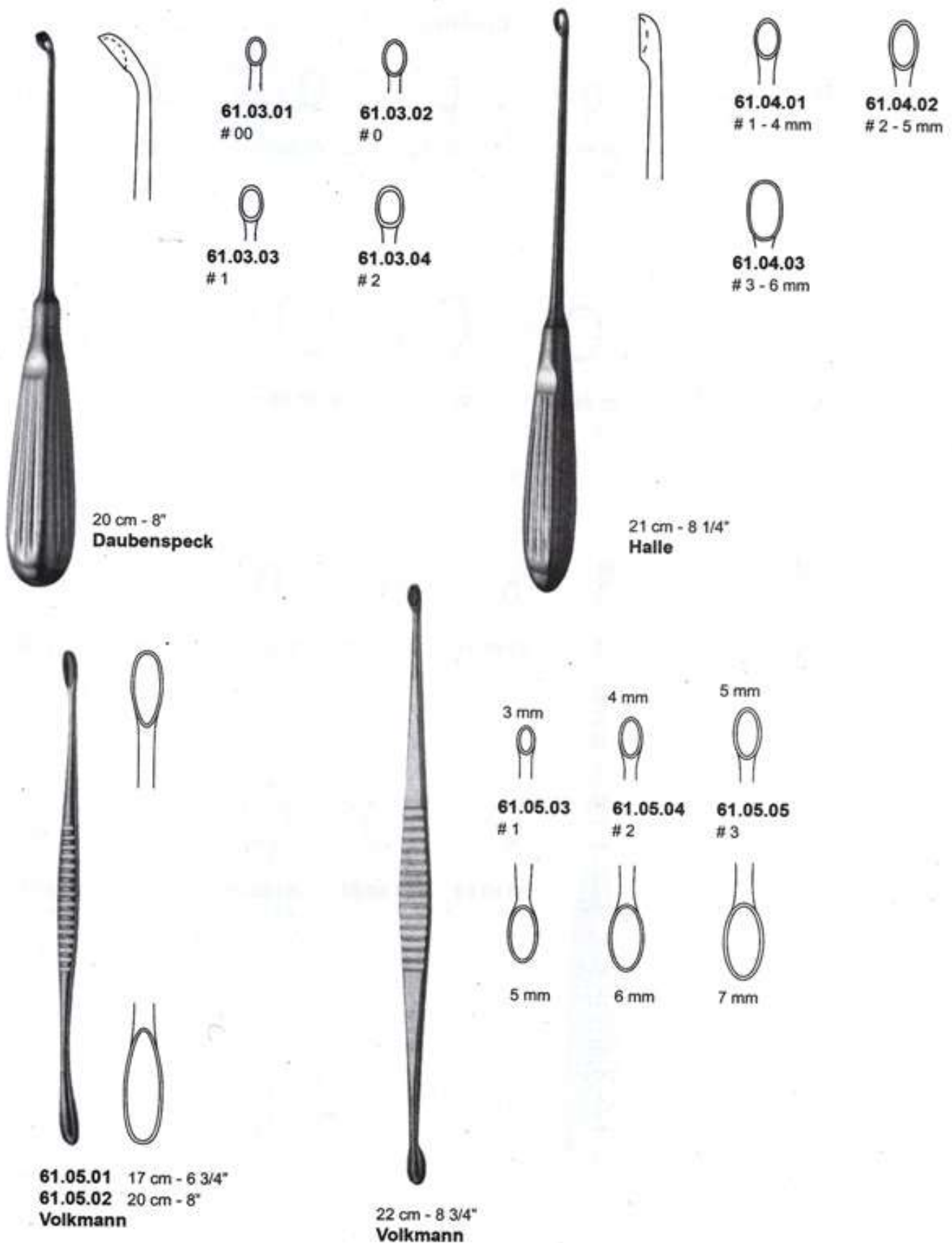


61.02.09
5



61.02.10
6

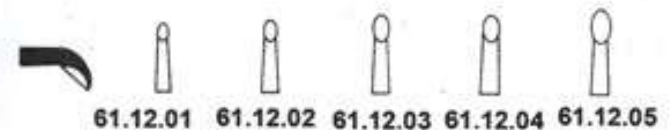
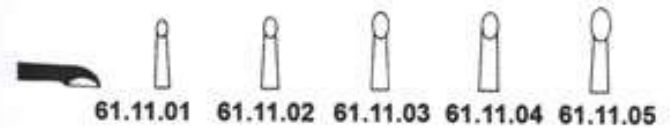
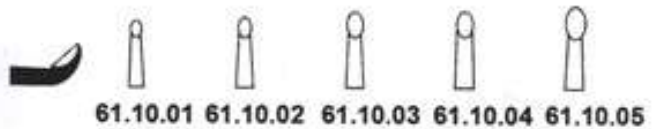
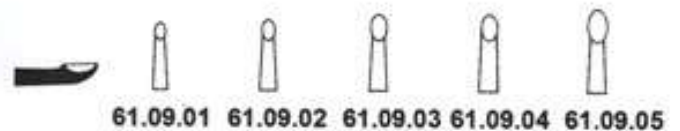
Curettes



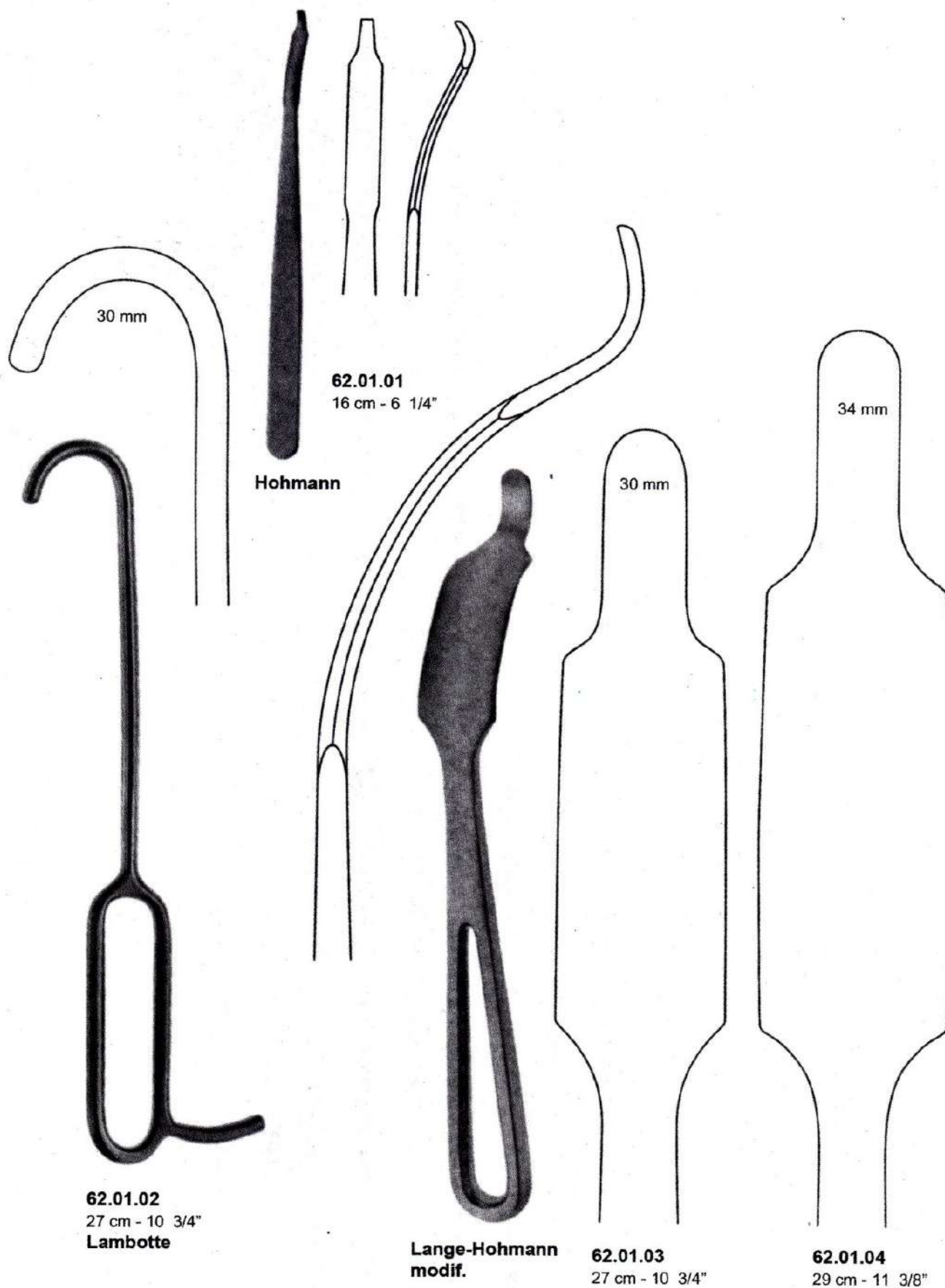
Curettes

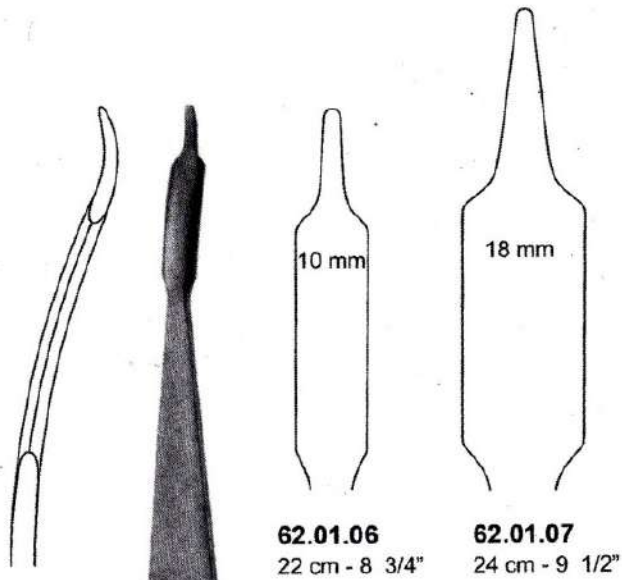


Bayonet

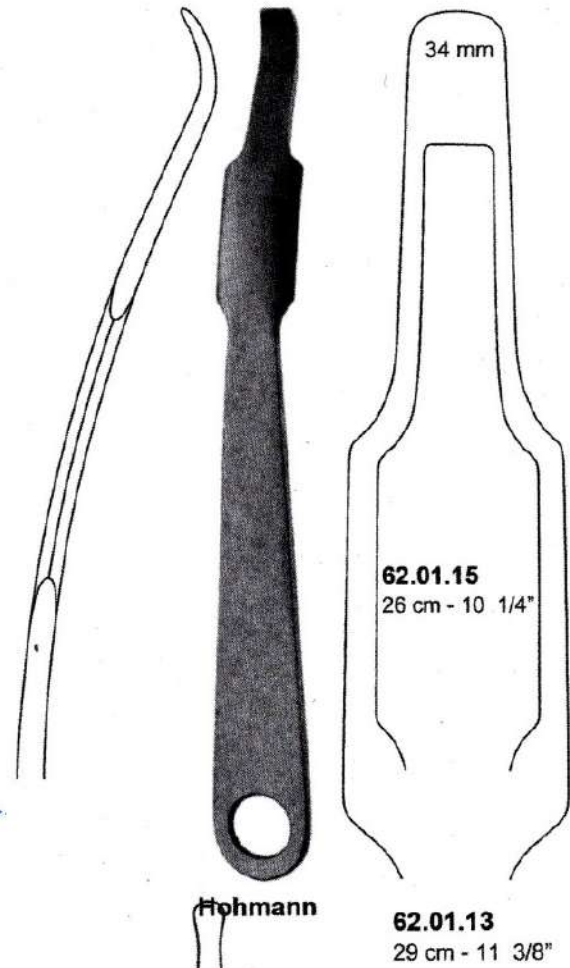


24 cm, 9 1/2"
Karlin

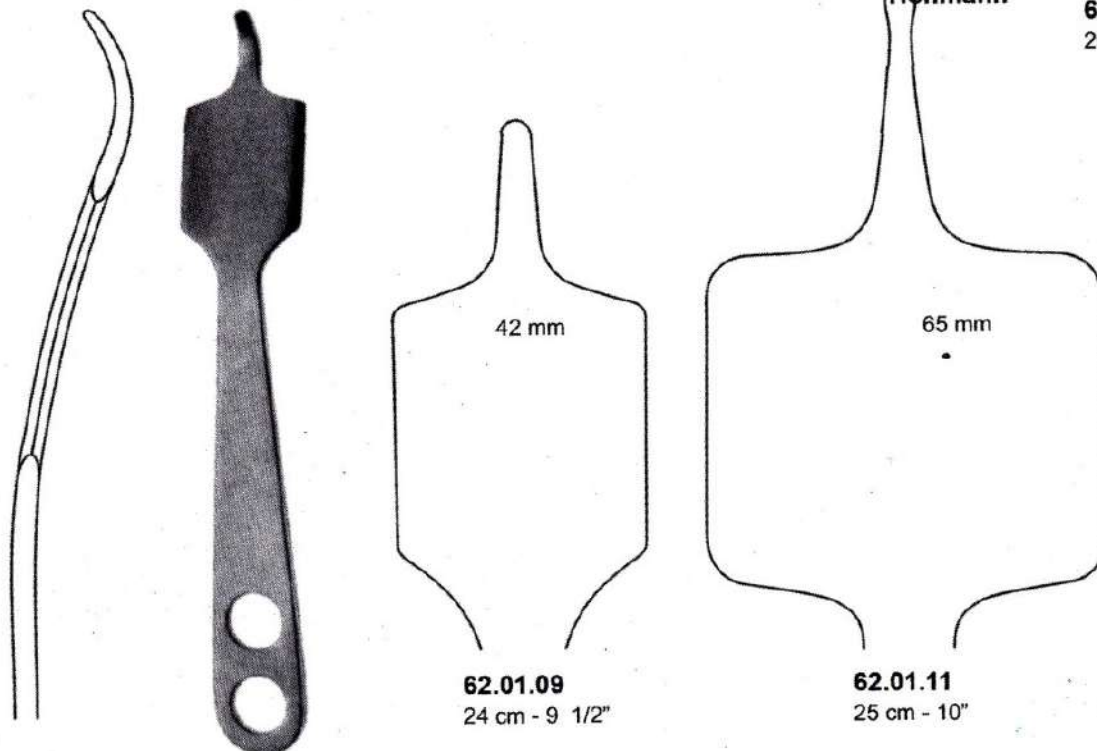




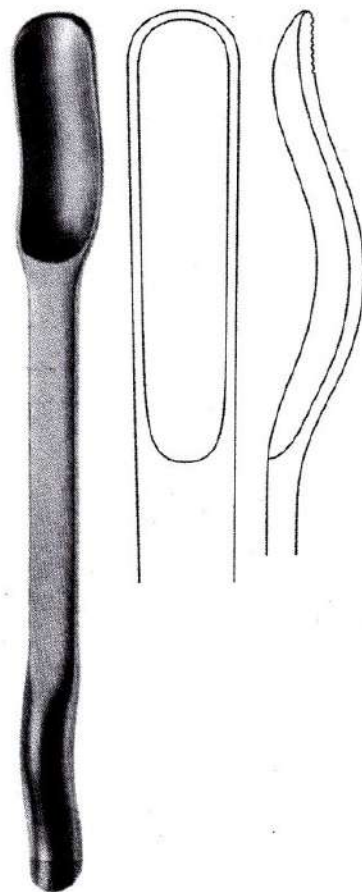
Hohmann



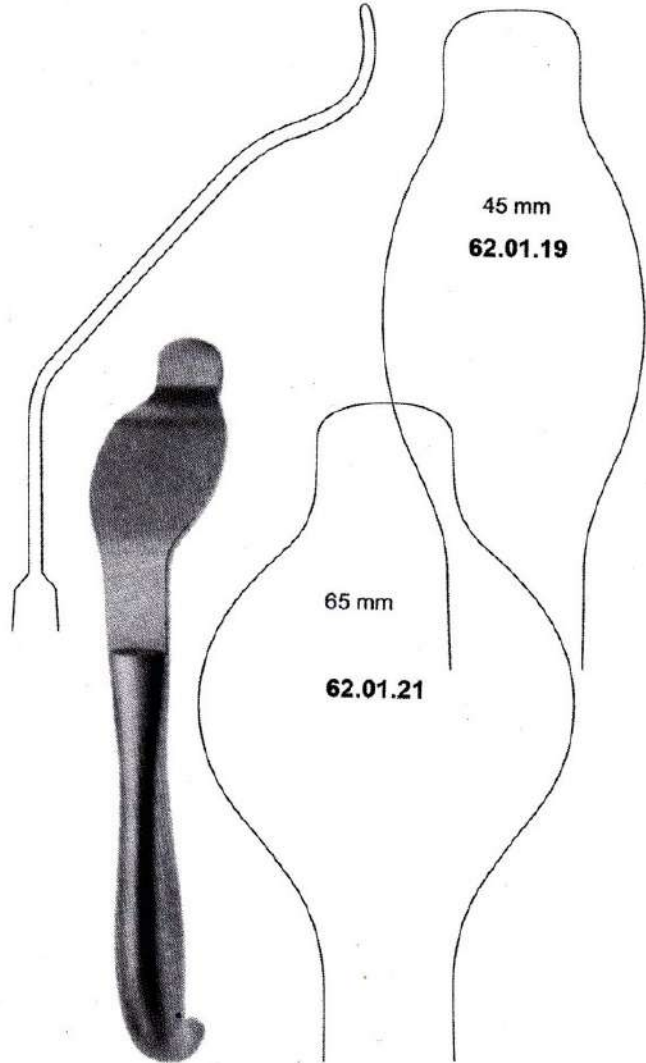
Hohmann



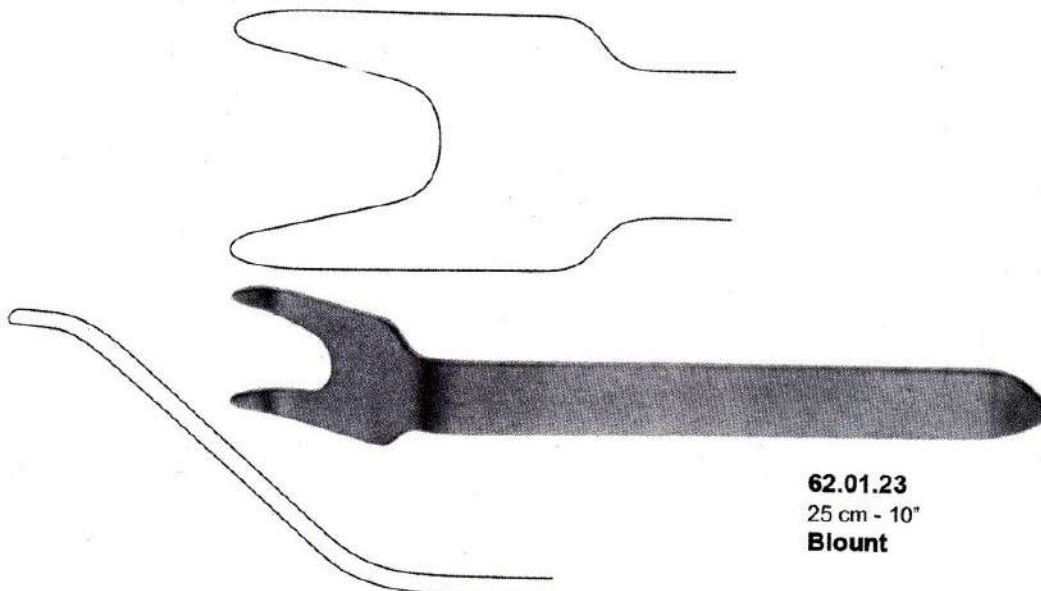
Verbrugge-Hohmann



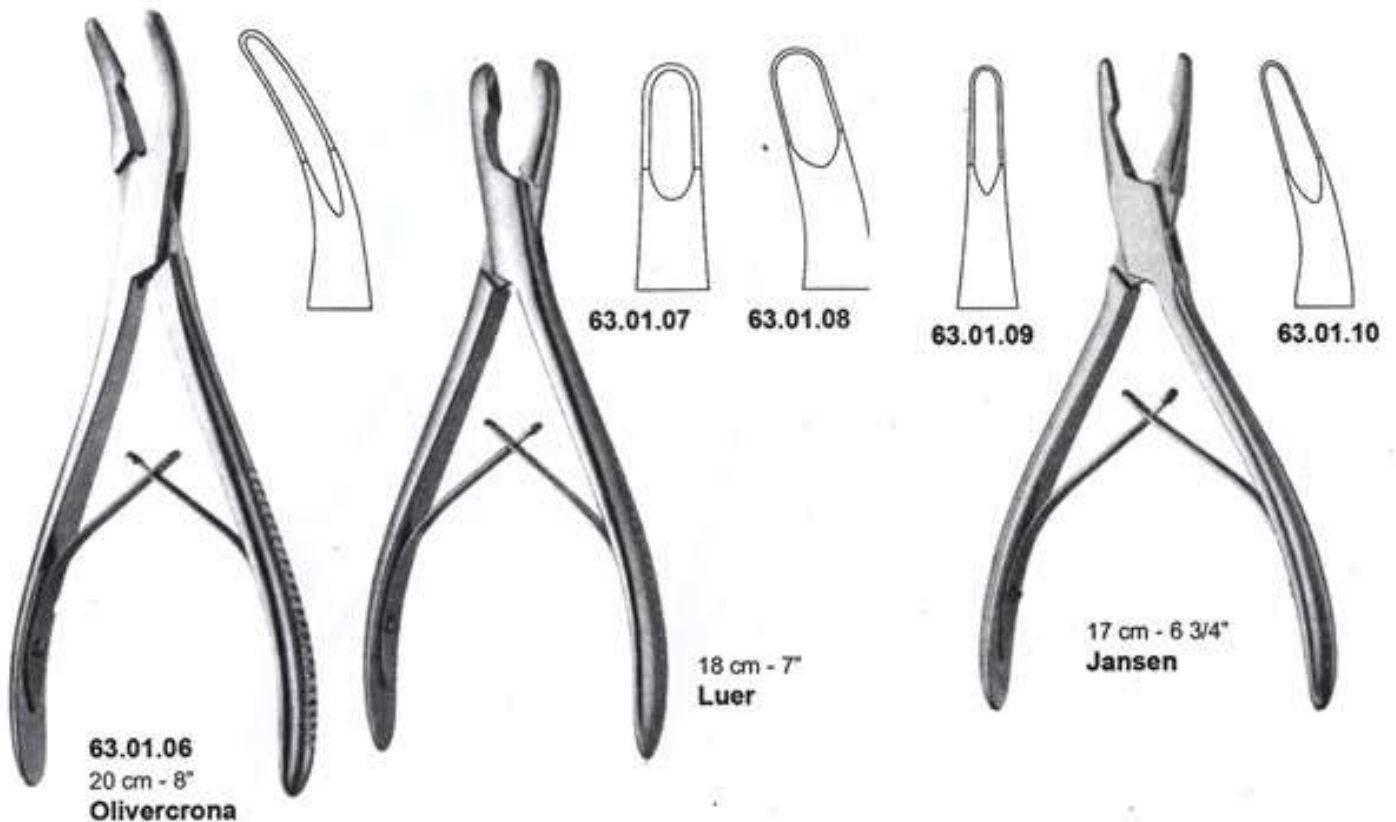
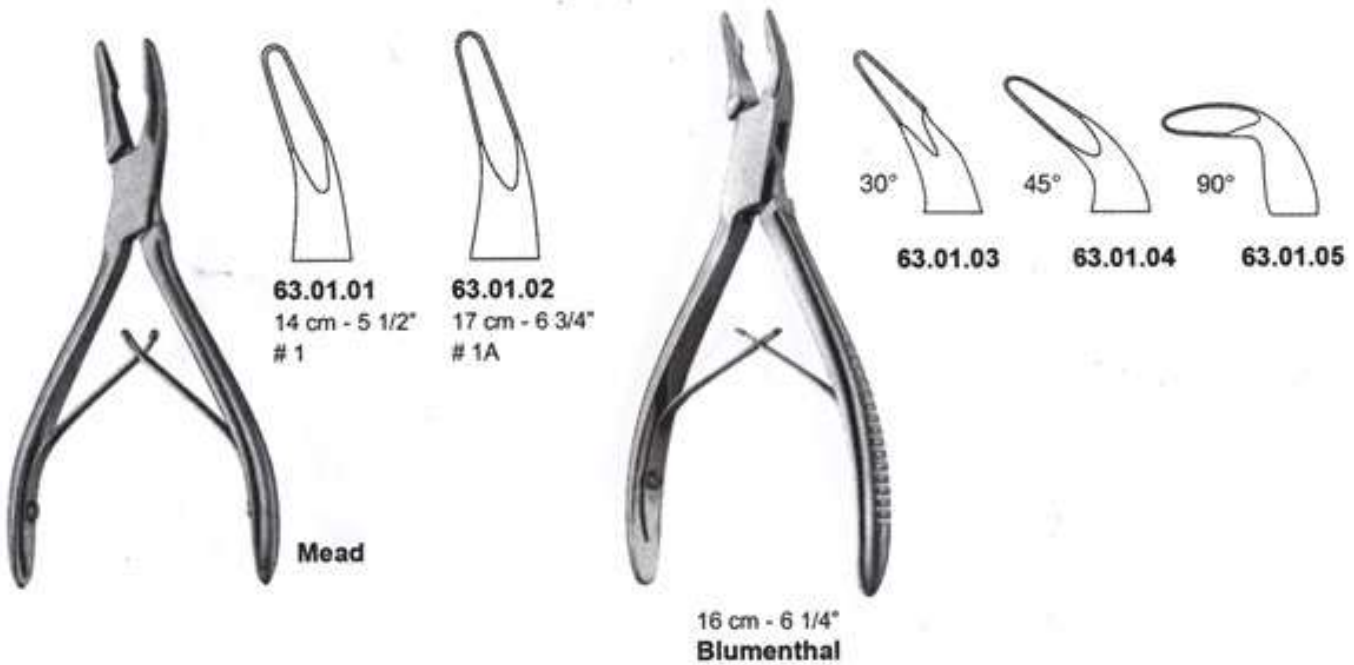
62.01.17
31 cm - 12 1/8"
Murphy-Lane

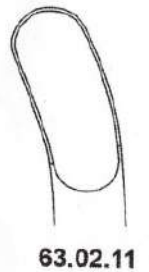
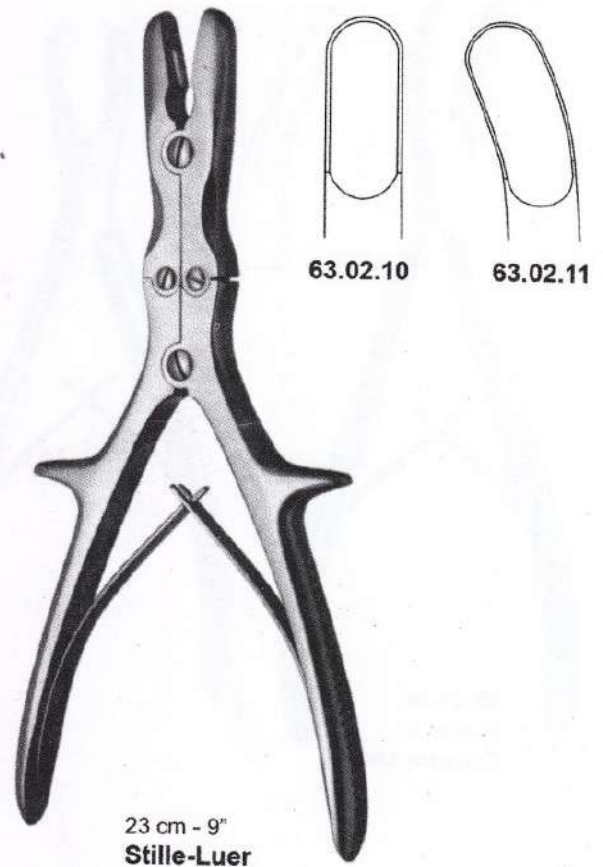
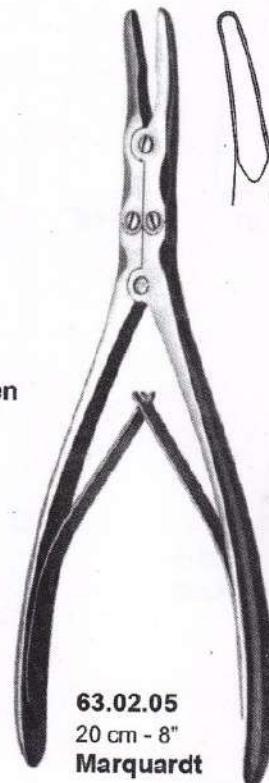
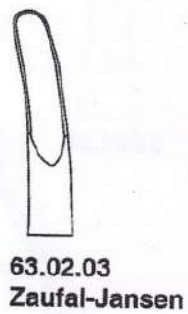
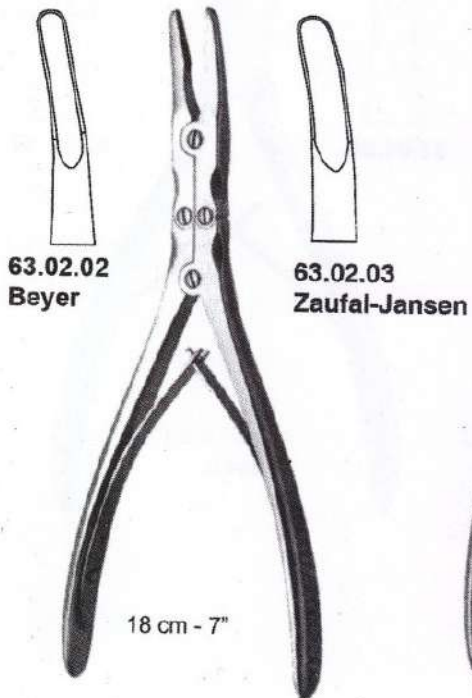
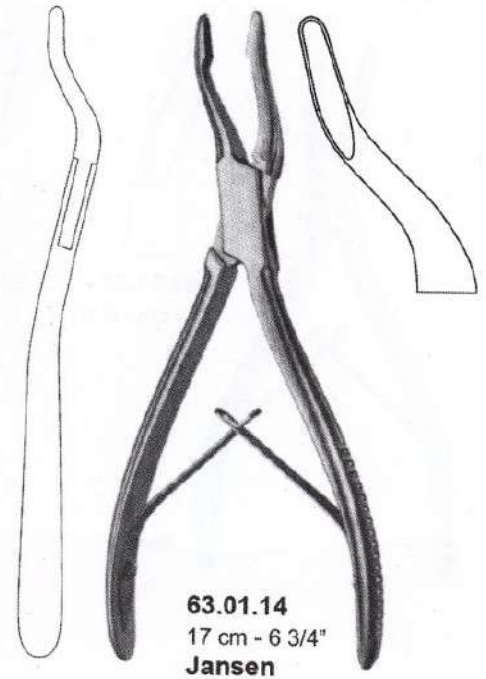
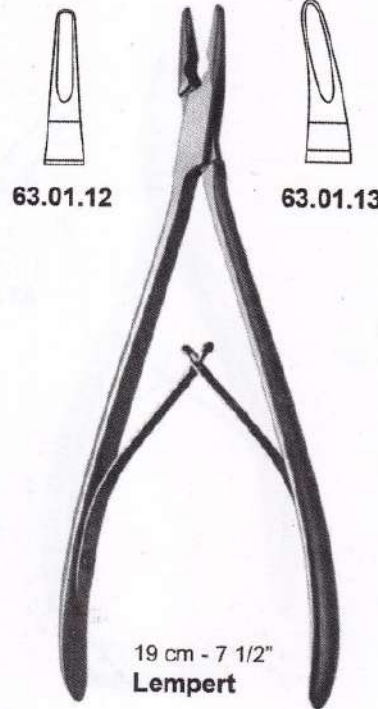
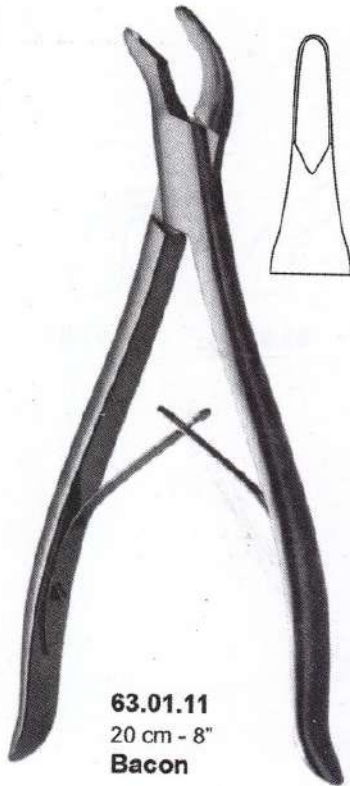


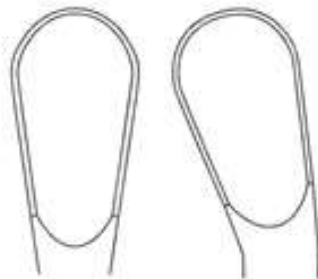
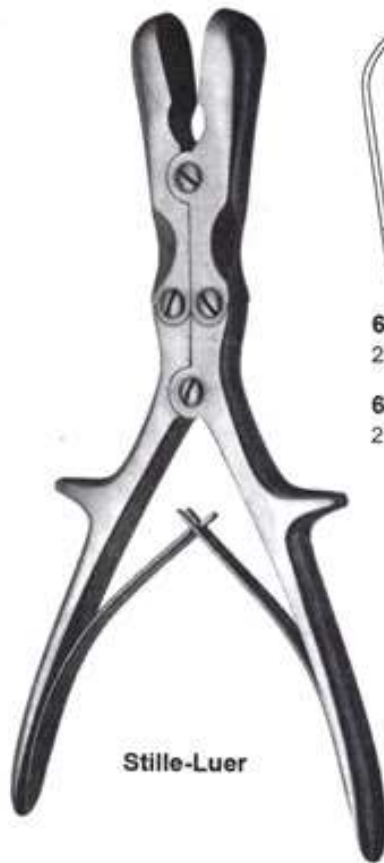
24 cm - 9 1/2"
Bennett



62.01.23
25 cm - 10"
Blount





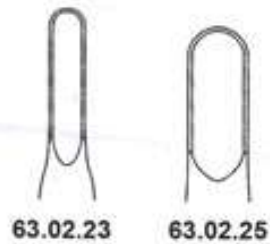


63.02.13
23 cm - 9"

63.02.15
23 cm - 9"

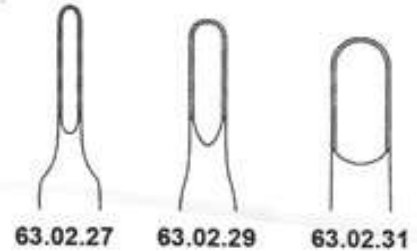
63.02.17
27 cm - 10 3/4"

63.02.19
27 cm - 10 3/4"



63.02.23

63.02.25



63.02.27

63.02.29

63.02.31



36 cm - 14"
Leksell



63.02.33



63.02.35



63.02.37



63.02.39



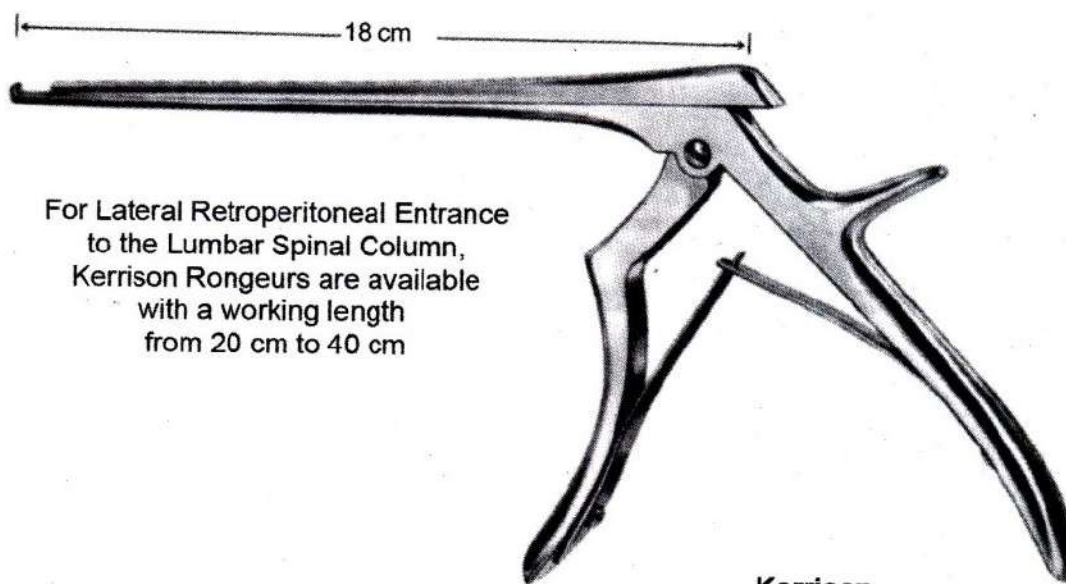
63.02.41



63.02.43



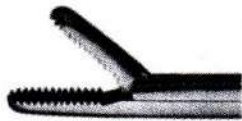
23 cm - 9"
Echlin



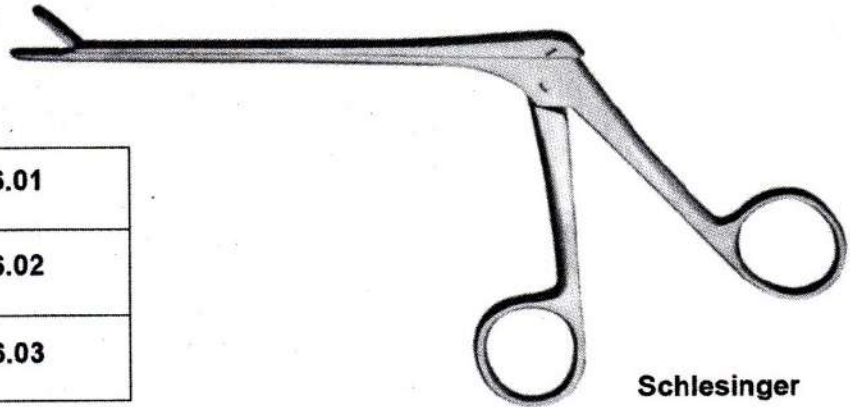
For Lateral Retroperitoneal Entrance
to the Lumbar Spinal Column,
Kerrison Rongeurs are available
with a working length
from 20 cm to 40 cm

Kerrison

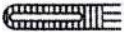
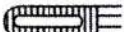
90 Deg. Up		90 Deg. Down		40 Deg. Up	
	63.03.01 1 mm		63.04.01 1 mm		63.05.01 1 mm
	63.03.02 2 mm		63.04.02 2 mm		63.05.02 2 mm
	63.03.03 3 mm		63.04.03 3 mm		63.05.03 3 mm
	63.03.04 4 mm		63.04.04 4 mm		63.05.04 4 mm
	63.03.05 5 mm		63.04.05 5 mm		63.05.05 5 mm
	63.03.06 6 mm		63.04.06 6 mm		63.05.06 6 mm



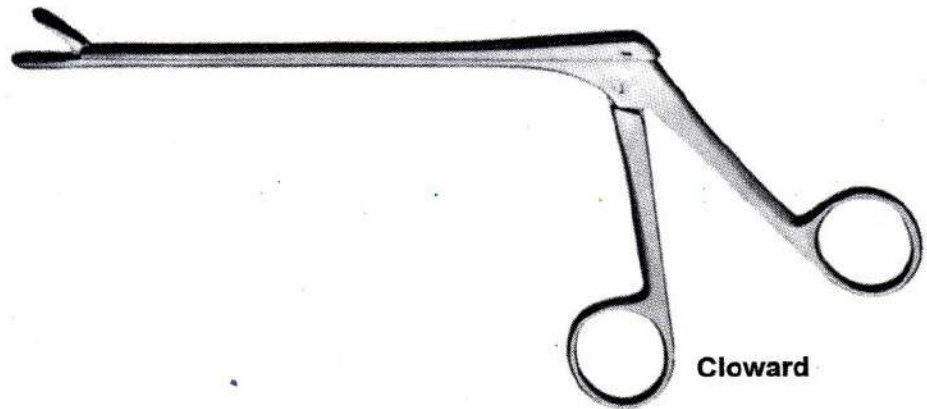
15 cm - 6"



Schlessinger

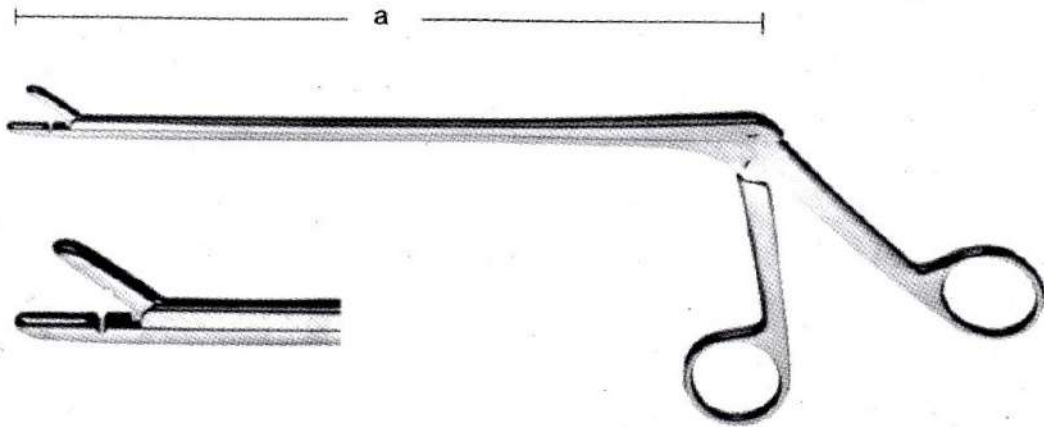
 2 x 10 mm	63.06.01
 3 x 10 mm	63.06.02
 4 x 10 mm	63.06.03

15 cm - 6"



Cloward

	straight	angled upwards	angled downwards
			
 6 x 10 mm	63.06.07	63.06.08	63.06.09

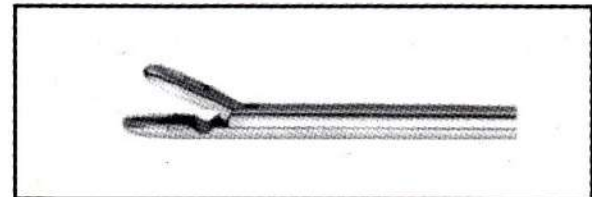
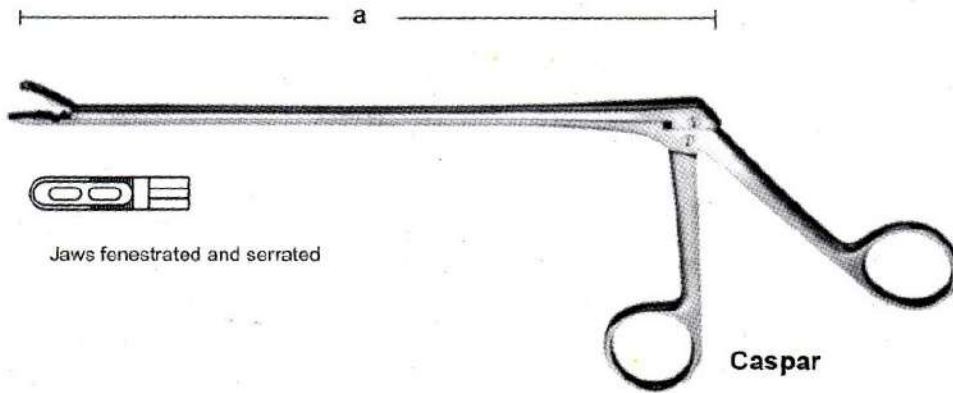


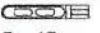
Cushing

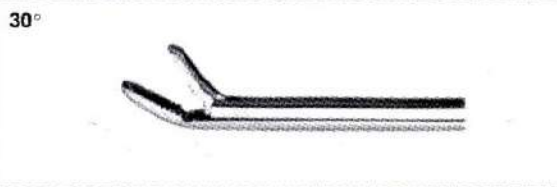
	straight	30° angled upwards	30° angled downwards
	2 x 10 mm		
a = 13 cm - 5 1/8"	63.07.01	63.07.02	63.07.03
a = 15 cm - 6"	63.08.01	63.08.02	63.08.03
a = 18 cm - 7"	63.09.01	63.09.02	63.09.03
a = 23 cm - 9"	63.10.01	63.10.02	63.10.03
a = 28 cm - 11"	63.11.01	63.11.02	63.11.03

	straight	30° angled upwards	30° angled downwards
	3 x 10 mm		
a = 13 cm - 5 1/8"	63.12.01	63.12.02	63.12.03
a = 15 cm - 6"	63.13.01	63.13.02	63.13.03
a = 18 cm - 7"	63.14.01	63.14.02	63.14.03
a = 23 cm - 9"	63.15.01	63.15.02	63.15.03
a = 28 cm - 11"	63.16.01	63.16.02	63.16.03

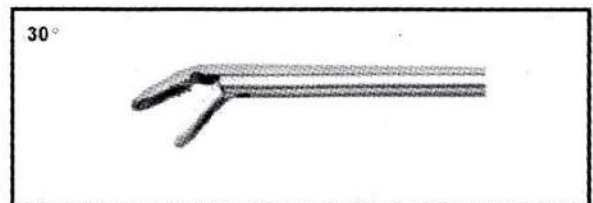
	straight	30° angled upwards	30° angled downwards
	4 x 10 mm		
a = 13 cm - 5 1/8"	63.17.01	63.17.02	63.17.03
a = 15 cm - 6"	63.18.01	63.18.02	63.18.03
a = 18 cm - 7"	63.19.01	63.19.02	63.19.03
a = 23 cm - 9"	63.20.01	63.20.02	63.20.03
a = 28 cm - 11"	63.21.01	63.21.02	63.21.03



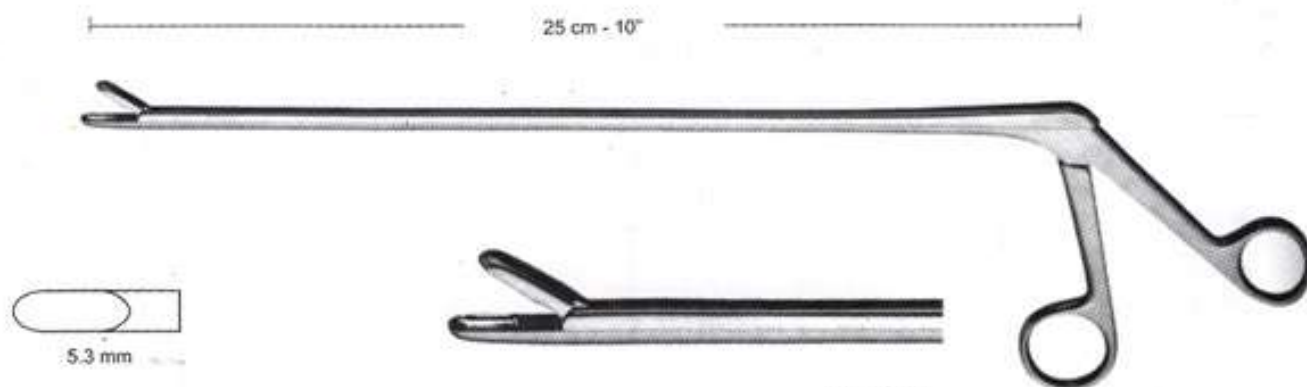
	a = 14 cm - 5 1/2"	a = 16 cm - 6 1/4"	a = 18 cm - 7"
 2 x 12 mm	63.23.01	63.24.01	63.25.01
 3 x 12 mm	63.23.02	63.24.02	63.25.02
 4 x 14 mm	63.23.03	63.24.03	63.25.03
 5 x 14 mm	63.23.04	63.24.04	63.25.04
 6 x 16 mm	63.23.05	63.24.05	63.25.05



	a = 14 cm - 5 1/2"	a = 16 cm - 6 1/4"	a = 18 cm - 7"
 3 x 12 mm	63.27.01	63.28.01	63.29.01
 4 x 14 mm	63.27.02	63.28.02	63.29.02
 5 x 14 mm	63.27.03	63.28.03	63.29.03



	a = 14 cm - 5 1/2"	a = 16 cm - 6 1/4"	a = 18 cm - 7"
 3 x 12 mm	63.31.01	63.32.01	63.33.01
 4 x 14 mm	63.31.02	63.32.02	63.33.02

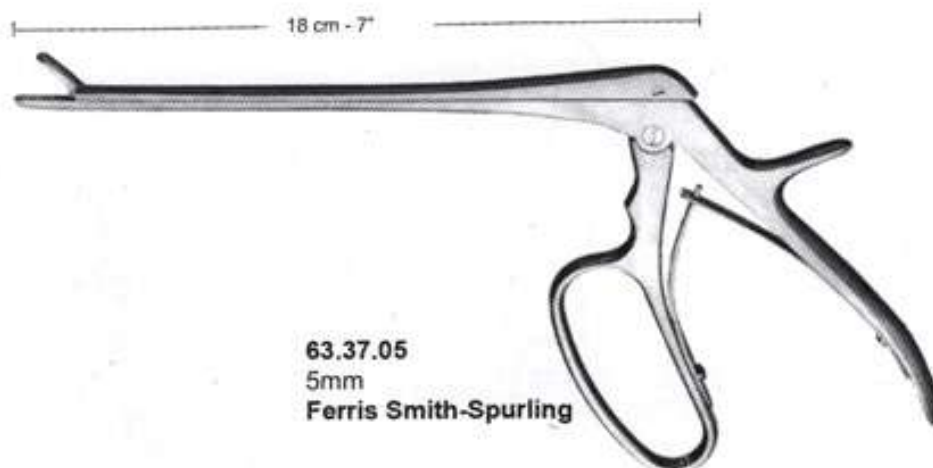


63.35.01



63.35.02

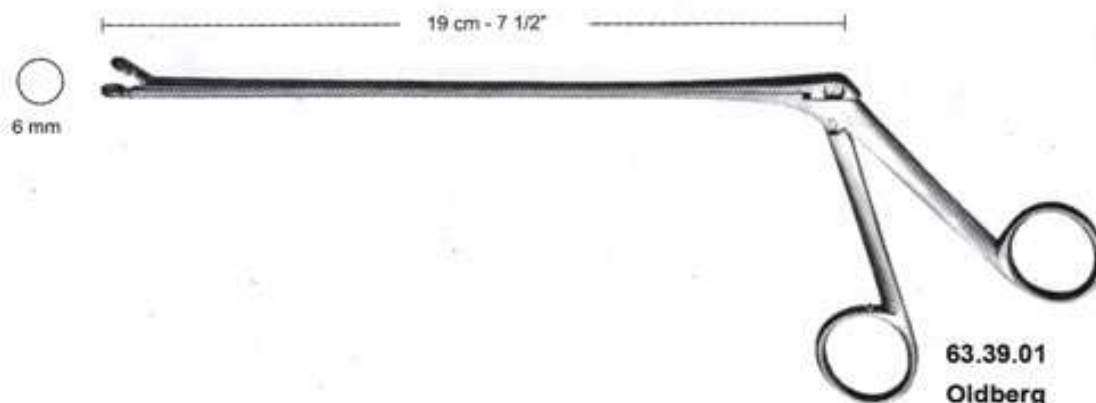
Sypert



63.37.05

5mm

Ferris Smith-Spurling



63.39.01

Oldberg



Liston



65.01.01
14 cm-5 1/2"



65.01.02
17 cm-6 3/4"



65.01.03
20 cm-8"



65.01.04
22 cm-8 3/4"



Liston



65.02.01
14 cm-5 1/2"



65.02.02
17 cm-6 3/4"



65.02.03
20 cm-8"



65.02.04
22 cm-8 3/4"



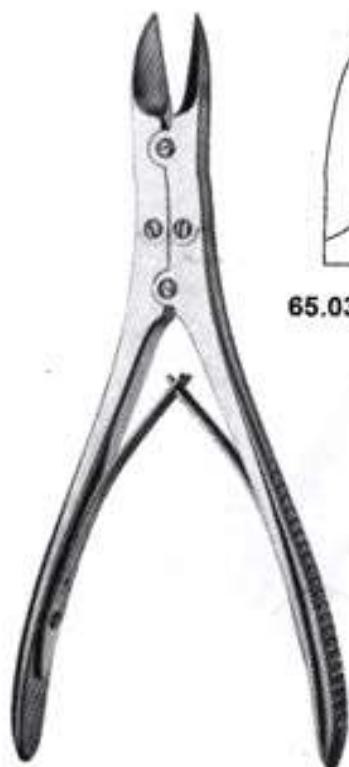
65.03.01



65.03.02



15 cm - 6"
Liston-mini



65.03.05



65.03.06

18 cm - 7"
Ruskin-Rowland



65.03.09



65.03.10

18 cm - 7"
Ruskin-Rowland



65.03.11



65.03.12

18 cm - 7"
McIndoe



65.03.13



18 cm - 7"
McIndoe



28 cm - 11"
Liston-Stille



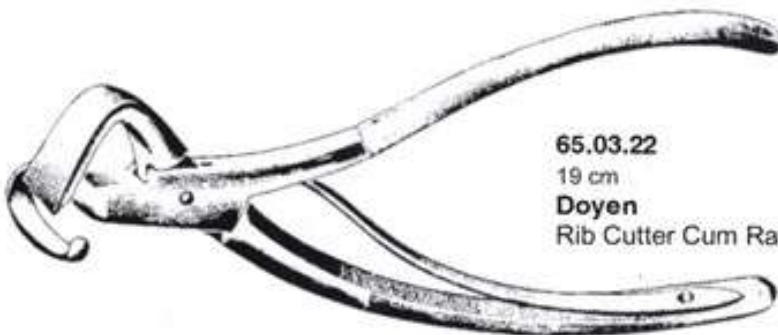
65.03.20



65.03.21



65.03.26
28 cm - 10 1/4"
Liston-Key



65.03.22
19 cm
Doyen
Rib Cutter Cum Raspatory



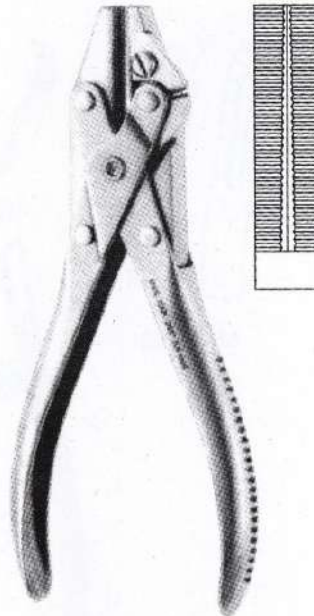
65.03.25
25 cm - 10"
Glertz-Stille
Rib Cutter

Wire Twisters



70.01.15 15 cm - 6"
70.01.18 17 cm - 7"
70.01.20 20.3 cm - 8"

Wire Twister With Cutter



72.02.18
 18.5 cm - 7 1/4"

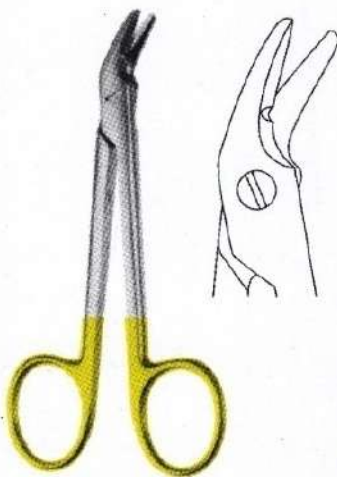
Wire Cutter



73.01.23
 23 cm - 9"

Soft Wire up to 3 mm
 Hard Wire up to 2.2 mm

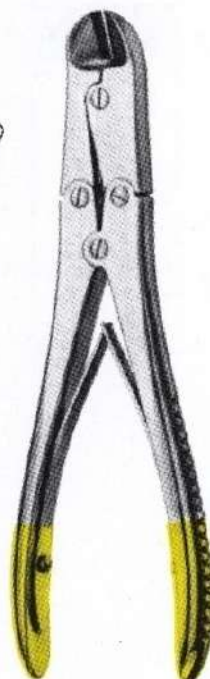
Wire Cutter



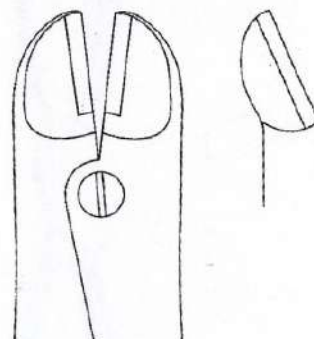
73.01.18
 17.5 cm - 7"

Soft Wire up to 1.2 mm
 Hard Wire up to 0.8 mm

Wire Cutter

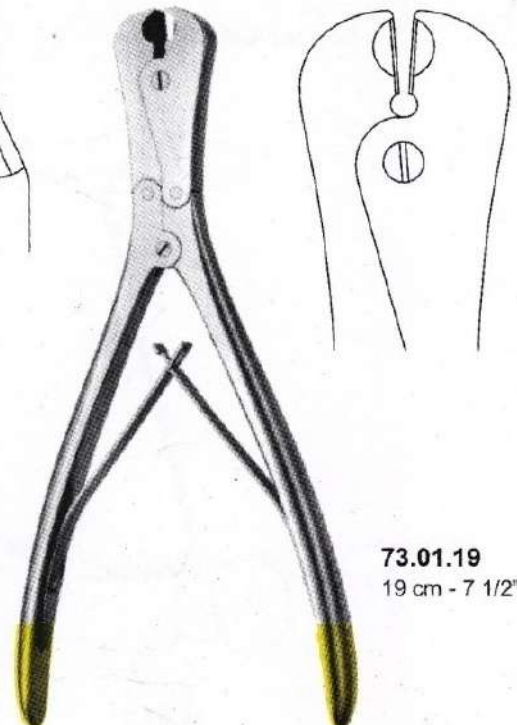


Soft Wire up to 2 mm
 Hard Wire up to 1.5 mm



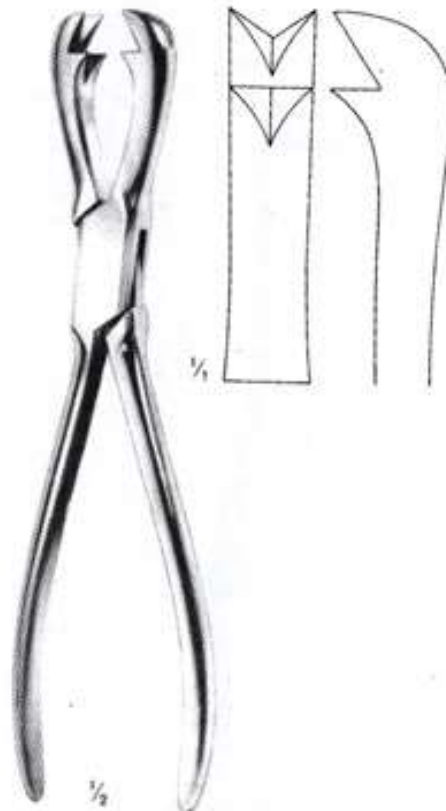
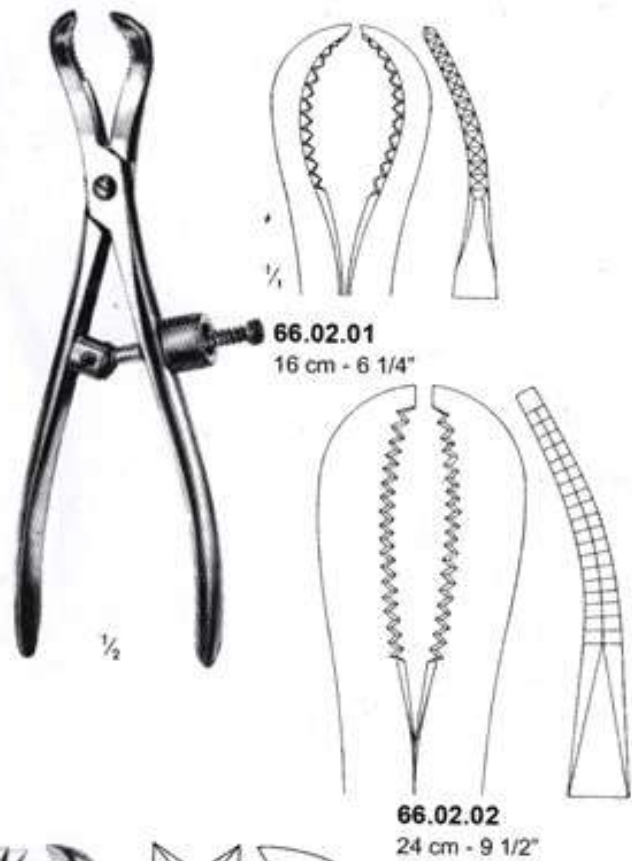
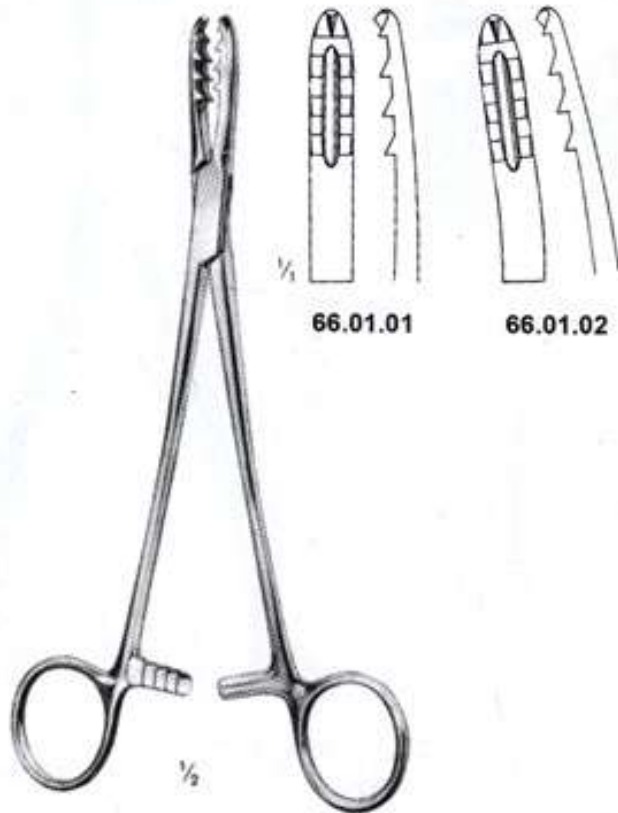
73.01.18
 17.5 cm - 7"

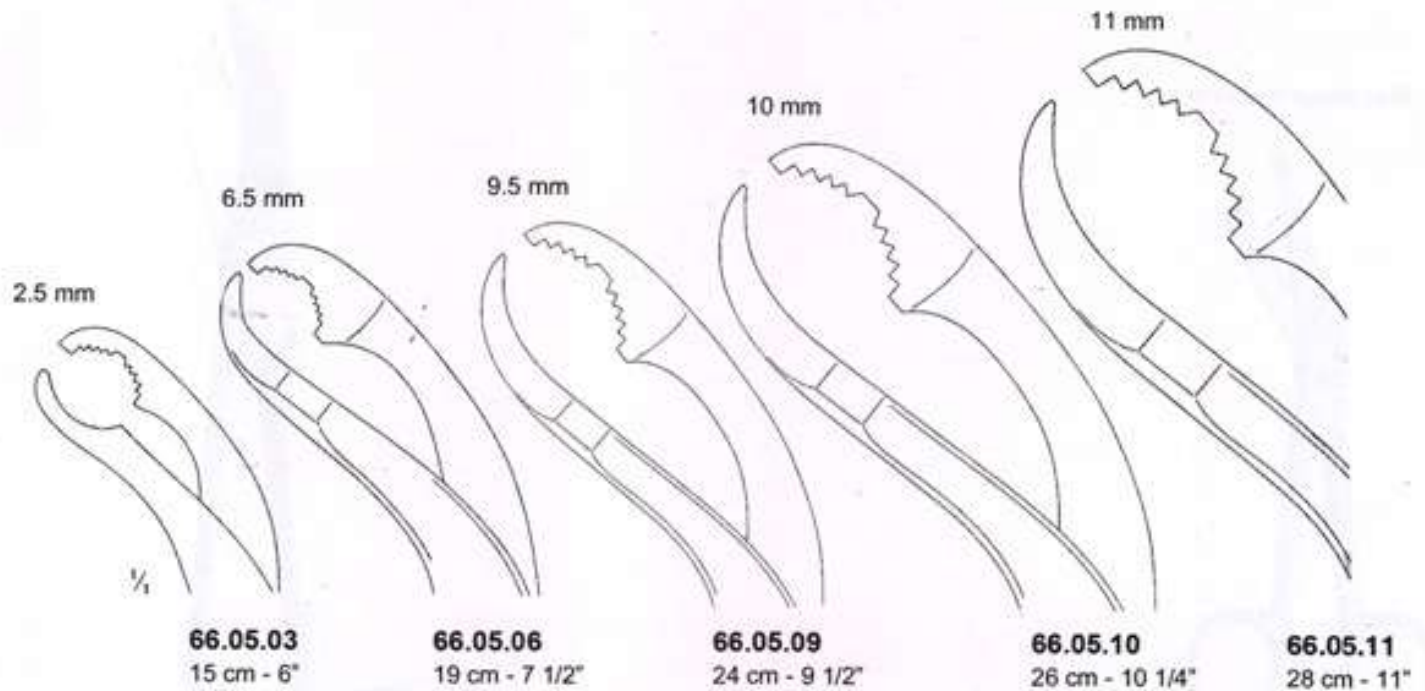
Wire Cutter



73.01.19
 19 cm - 7 1/2"

Soft Wire up to 2 mm
 Hard Wire up to 1.5 mm





Self Centering

