

# Neuro & Ortho Instruments

Instruments - for Bone & Neuro Surgery



**OP****Dressings**

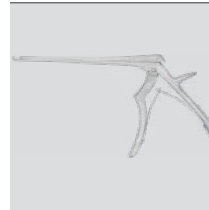
1 - 2

**OB****Bone Surgery**

3 - 30

**OC****Bone Surgery**

31 - 36

**NU****Neuro Surgery**

37 - 51



Bandage Scissors



LORENZ  
**OP.155.23**  
24 cm/9½"



BRUNS  
24 cm/9½"  
One tooth Edge  
Smooth  
**OP.223.24**  
**OP.223.26**



BRUNS  
**OP.297.24**  
23.5 cm/9½"



BERGMANN  
**OP.195.23**  
23 cm/9"



ESMARCH  
**OP.205.20**  
20 cm/8"



**OP.160.14**  
14.5 cm/5¾"

Bandage Scissors



LISTER  
14.5 cm/5¾"  
18.5 cm/7¼"  
20.0 cm/8"  
**OP.165.14**  
**OP.165.18**  
**OP.165.20**

Bandage Scissors



LISTER  
**OP.291.18**  
18 cm/7"

Bandage Scissors



UNIVERSAL

15.5 cm/6" **OP.209.15**  
19.0 cm/7½" **OP.209.18**

Plaster Shears



STILLE-MARTIN

23 cm/9" **OP.275.23**  
27 cm/10¾" **OP.275.26**  
38 cm/15" **OP.275.37**

Plaster Spreaders



HENNIG

**OP.520.28**  
28 cm/11"



QUATTRO

**OP.522.23**  
23 cm/9"

Plaster Breakers



WOLFF

17.5 cm/7" **OP.541.18**  
26.5 cm/10½" **OP.545.24**

Plaster Knives



HOPKINS  
**OP.401.20**  
20 cm/8"



ESMARCH  
**OP.420.18**  
18 cm/7½"



REINER  
**OP.425.18**  
18 cm/7½"

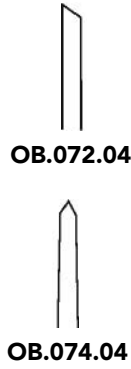


Skull Breaker

VIRCHOW  
OB.036.00  
7.5 cm/3"



17 cm/6¾"



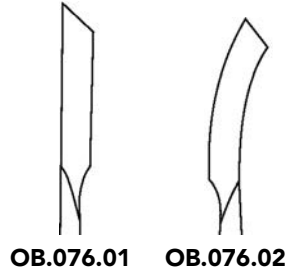
OB.072.04

OB.074.04

triangular shape  
4 mm



GARDNER  
17 cm/6¾"



OB.076.01

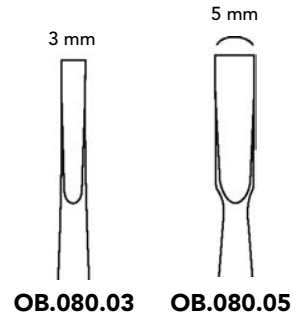
OB.076.02



OB.076.03



SNYDER  
16.5 cm/6½"



OB.080.03

OB.080.05



13.5 cm/5¼"



8 mm	OB.100.08	OB.101.08	OB.102.08
10 mm	OB.100.10	OB.101.10	OB.102.10
12 mm	OB.100.12	OB.101.12	OB.102.12
14 mm	OB.100.14	OB.101.14	OB.102.14
16 mm	OB.100.16	OB.101.16	OB.102.16



PARTSCH

13.5 cm/5¼" 17 cm/6¾"

2 mm	OB.105.02	OB.106.02
3 mm	OB.105.03	OB.106.03
4 mm	OB.105.04	OB.106.04
5 mm	OB.105.05	OB.106.05
6 mm	OB.105.06	OB.106.06



PARTSCH

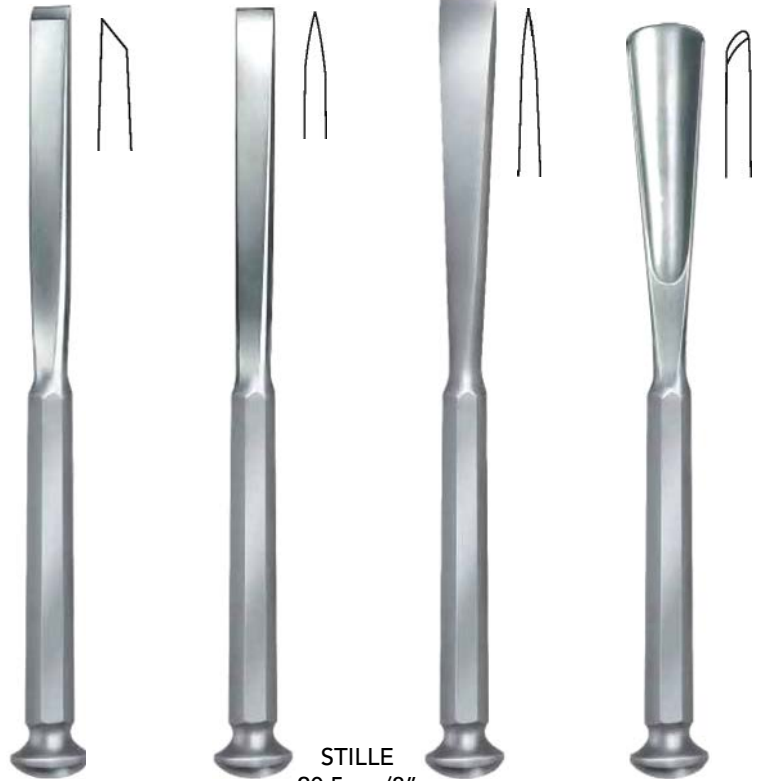
13.5 cm/5¼" 16.5 cm/6½"

2 mm	OB.109.02	OB.110.02
3 mm	OB.109.03	OB.110.03
4 mm	OB.109.04	OB.110.04
5 mm	OB.109.05	OB.110.05
6 mm	OB.109.06	OB.110.06



**ALEXANDER**  
17.5 cm/7"

4 mm	<b>OB.118.04</b>	<b>OB.119.04</b>
6 mm	<b>OB.118.06</b>	<b>OB.119.06</b>
8 mm	<b>OB.118.08</b>	<b>OB.119.08</b>
10 mm	<b>OB.118.10</b>	<b>OB.119.10</b>
12 mm	<b>OB.118.12</b>	<b>OB.119.12</b>
14 mm	<b>OB.118.14</b>	<b>OB.119.14</b>



**STILLE**  
20.5 cm/8"

8 mm	<b>OB.123.08</b>	<b>OB.124.08</b>	<b>OB.125.08</b>	<b>OB.127.08</b>
10 mm	<b>OB.123.10</b>	<b>OB.124.10</b>	<b>OB.125.10</b>	<b>OB.127.10</b>
12 mm	<b>OB.123.12</b>	<b>OB.124.12</b>	<b>OB.125.12</b>	<b>OB.127.12</b>
15 mm	<b>OB.123.15</b>	<b>OB.124.15</b>	<b>OB.125.15</b>	<b>OB.127.15</b>
20 mm	<b>OB.123.20</b>	<b>OB.124.20</b>	<b>OB.125.20</b>	<b>OB.127.20</b>
25 mm	<b>OB.123.25</b>	<b>OB.124.25</b>	<b>OB.125.25</b>	<b>OB.127.25</b>



**LAMBOTTE-MINI**  
12.5 cm/5"

2 mm	<b>OB.136.02</b>
3 mm	<b>OB.136.03</b>
4 mm	<b>OB.136.04</b>
6 mm	<b>OB.136.06</b>
8 mm	<b>OB.136.08</b>
10 mm	<b>OB.136.10</b>
12 mm	<b>OB.136.12</b>
15 mm	<b>OB.136.15</b>



**LAMBOTTE-MINI**  
17.5 cm/7"

3 mm	<b>OB.136.53</b>
4 mm	<b>OB.136.54</b>
6 mm	<b>OB.136.56</b>
8 mm	<b>OB.136.58</b>
10 mm	<b>OB.136.60</b>
12 mm	<b>OB.136.62</b>
15 mm	<b>OB.136.65</b>



**LAMBOTTE**  
24 cm/9½"

4 mm	<b>OB.138.04</b>
6 mm	<b>OB.138.06</b>
8 mm	<b>OB.138.08</b>
10 mm	<b>OB.138.10</b>
13 mm	<b>OB.138.13</b>
15 mm	<b>OB.138.15</b>
18 mm	<b>OB.138.18</b>
20 mm	<b>OB.138.20</b>
25 mm	<b>OB.138.25</b>
30 mm	<b>OB.138.30</b>
38 mm	<b>OB.138.38</b>
44 mm	<b>OB.138.44</b>
50 mm	<b>OB.138.50</b>

**LAMBOTTE**  
24 cm/9½"

4 mm	<b>OB.139.04</b>
6 mm	<b>OB.139.06</b>
8 mm	<b>OB.139.08</b>
10 mm	<b>OB.139.10</b>
13 mm	<b>OB.139.13</b>
15 mm	<b>OB.139.15</b>
18 mm	<b>OB.139.18</b>
20 mm	<b>OB.139.20</b>
25 mm	<b>OB.139.25</b>
30 mm	<b>OB.139.30</b>
38 mm	<b>OB.139.38</b>
44 mm	<b>OB.139.44</b>
50 mm	<b>OB.139.50</b>



SMITH-PETERSEN  
20.5 cm/8"

6 mm	<b>OB.154.06</b>	<b>OB.155.06</b>
9 mm	<b>OB.154.09</b>	<b>OB.155.09</b>
13 mm	<b>OB.154.13</b>	<b>OB.155.13</b>
16 mm	<b>OB.154.16</b>	<b>OB.155.16</b>
19 mm	<b>OB.154.19</b>	<b>OB.155.19</b>
25 mm	<b>OB.154.25</b>	<b>OB.155.25</b>



SMITH-PETERSEN  
20.5 cm/8"

9 mm	<b>OB.156.09</b>	<b>OB.156.09</b>
14 mm	<b>OB.156.14</b>	<b>OB.156.14</b>
19 mm	<b>OB.156.19</b>	<b>OB.156.19</b>
25 mm	<b>OB.156.25</b>	<b>OB.156.25</b>



HOKE  
17 cm/6¾"

3 mm	<b>OB.162.03</b>
5 mm	<b>OB.162.05</b>
6 mm	<b>OB.162.06</b>
8 mm	<b>OB.162.08</b>
9 mm	<b>OB.162.09</b>



HIBBS  
24.5 cm/9¾"

6 mm	<b>OB.170.06</b>
13 mm	<b>OB.170.13</b>
19 mm	<b>OB.170.19</b>
25 mm	<b>OB.170.25</b>
32 mm	<b>OB.170.32</b>



<b>OB.170.06</b>
<b>OB.172.13</b>
<b>OB.172.19</b>
<b>OB.172.25</b>
<b>OB.172.32</b>



<b>OB.173.06</b>
<b>OB.173.13</b>
<b>OB.173.19</b>
<b>OB.173.25</b>
<b>OB.173.32</b>



<b>OB.176.06</b>
<b>OB.176.13</b>
<b>OB.176.19</b>
<b>OB.176.25</b>
<b>OB.176.32</b>



<b>OB.177.06</b>
<b>OB.177.13</b>
<b>OB.177.19</b>
<b>OB.177.25</b>
<b>OB.177.32</b>



ZIELKE  
23 cm/9"  
5.5 mm **OB.112.05**  
9 mm **OB.112.09**



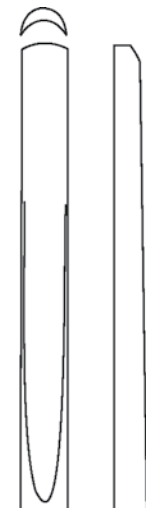
LEXER  
24.5 cm/9¾"  
5 mm **OB.131.05**  
10 mm **OB.131.10**  
15 mm **OB.131.15**



LEXER  
24.5 cm/9¾"  
5 mm **OB.131.55**  
10 mm **OB.131.60**  
15 mm **OB.131.65**

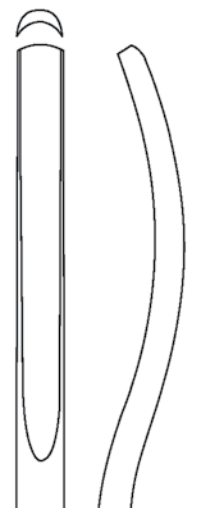


COBB  
28 cm/11"

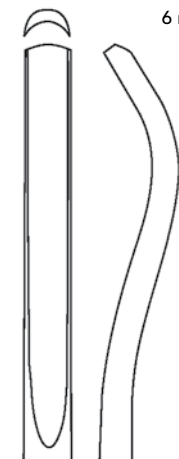


**OB.160.01**

6 mm

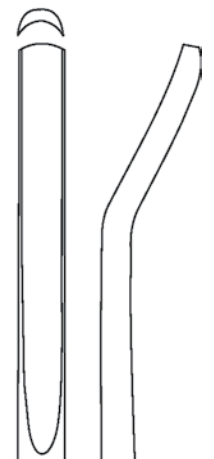


**OB.160.02**



**OB.160.03**

6 mm



**OB.160.04**





OP  
OB  
OC  
NU



**LEXER**  
22 cm/8¾"

5 mm	<b>OB.134.05</b>
7 mm	<b>OB.134.07</b>
10 mm	<b>OB.134.10</b>
15 mm	<b>OB.134.15</b>
20 mm	<b>OB.134.25</b>
25 mm	<b>OB.134.20</b>
30 mm	<b>OB.134.30</b>



**LEXER**  
22 cm/8¾"

5 mm	<b>OB.135.05</b>
7 mm	<b>OB.135.07</b>
10 mm	<b>OB.135.10</b>
15 mm	<b>OB.135.15</b>
20 mm	<b>OB.135.25</b>
25 mm	<b>OB.135.20</b>
30 mm	<b>OB.135.30</b>



**LEXER-MINI**  
18 cm/7"

4 mm	<b>OB.132.04</b>
6 mm	<b>OB.132.06</b>
8 mm	<b>OB.132.08</b>
10 mm	<b>OB.132.10</b>
12 mm	<b>OB.132.12</b>



**LEXER-MINI**  
18 cm/7"

4 mm	<b>OB.133.04</b>
8 mm	<b>OB.133.06</b>
8 mm	<b>OB.133.08</b>
10 mm	<b>OB.133.10</b>
12 mm	<b>OB.133.12</b>



**VOLKMANN**

Fig.	17 cm/7"	27 cm/10¾"
0000	<b>OB.280.40</b>	
000	<b>OB.280.30</b>	
00	<b>OB.280.20</b>	
0	<b>OB.280.10</b>	<b>OB.282.10</b>
1	<b>OB.280.01</b>	<b>OB.282.01</b>
2	<b>OB.280.02</b>	<b>OB.282.02</b>
3	<b>OB.280.03</b>	<b>OB.282.03</b>
4	<b>OB.280.04</b>	<b>OB.282.04</b>
5	<b>OB.280.05</b>	
6	<b>OB.280.06</b>	



**CASPER**

22 cm/8¾"

∅ 3 mm	<b>OB.197.03</b>
∅ 5 mm	<b>OB.197.05</b>
∅ 8 mm	<b>OB.197.08</b>



20 cm/8"

∅ 12 mm	<b>OB.199.12</b>
∅ 14 mm	<b>OB.199.14</b>
∅ 16 mm	<b>OB.199.16</b>



15.5 cm/6"

∅ 2 mm	<b>OB.198.02</b>
∅ 3 mm	<b>OB.198.03</b>
∅ 4 mm	<b>OB.198.04</b>
∅ 5 mm	<b>OB.198.05</b>
∅ 6 mm	<b>OB.198.06</b>
∅ 8 mm	<b>OB.198.08</b>
∅ 10 mm	<b>OB.198.10</b>



**WILLIGER**  
24 cm/9½"

- Ø 26 mm 275g **OB.200.01**
- Ø 28 mm 320g **OB.200.02**
- Ø 30 mm 340g **OB.200.03**



**DOYEN**  
20.5 cm/8¼"

- Ø 25 mm 120g **OB.204.01**
- Ø 30 mm 170g **OB.204.02**
- Ø 35 mm 260g **OB.204.03**



220g  
Ø 30 mm

**COLLIN**  
**OB.208.20**  
20 cm/7¾"



**LUCAS**  
19.5 cm/7¾"

- Ø 19 mm 230g **OB.214.01**
- Ø 25 mm 260g **OB.214.02**



300g  
Ø 30 mm

**COTTLE**  
**OB.215.19**  
19 cm/7½"



140g  
Ø 20 mm

**WILLIGER**  
**OB.216.01**  
16.5 cm/6½"



450g  
Ø 30 mm

**MEAD**  
**OB.220.17**  
19 cm/7½"



**OB.221.00**

Spare facing pair



175g  
Ø 27 mm

**PARTSCH**  
**OB.224.18**  
19 cm/7½"



450g  
Ø 30 mm



**OB.218.22**  
26 cm/10¼"



340g  
Ø 45 mm



**OB.236.01**  
26 cm/10¼"



610g  
Ø 32 mm



**OB.242.24**  
26 cm/10¼"



460g  
Ø 30 mm



**OB.242.07**  
24 cm/9½"



580g  
Ø 30 mm



**OB.260.01**  
26.5 cm/10½"



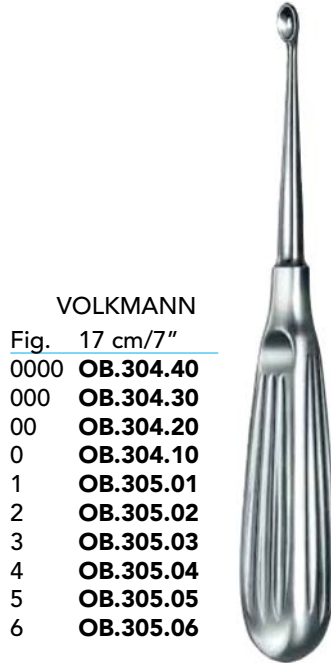
1300g  
Ø 50 mm



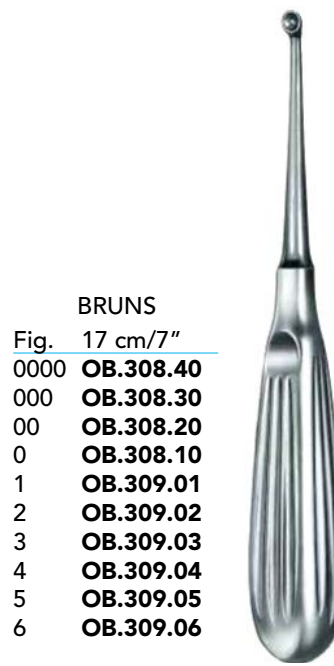
**OB.260.02**  
26.5 cm/10½"



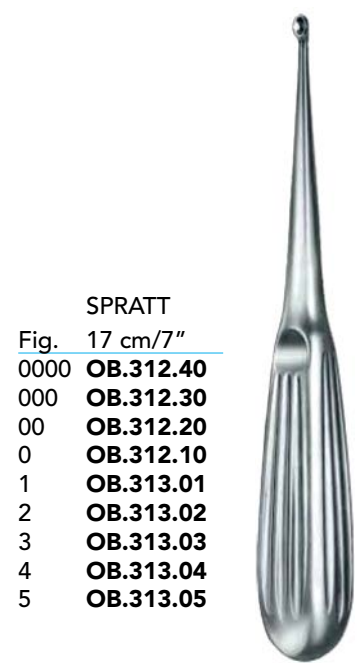
SCHEDE	
Fig.	17 cm/7"
000	<b>OB.300.30</b>
00	<b>OB.320.20</b>
0	<b>OB.300.10</b>
1	<b>OB.301.01</b>
2	<b>OB.301.02</b>
3	<b>OB.301.03</b>
4	<b>OB.301.04</b>



VOLKMANN	
Fig.	17 cm/7"
0000	<b>OB.304.40</b>
000	<b>OB.304.30</b>
00	<b>OB.304.20</b>
0	<b>OB.304.10</b>
1	<b>OB.305.01</b>
2	<b>OB.305.02</b>
3	<b>OB.305.03</b>
4	<b>OB.305.04</b>
5	<b>OB.305.05</b>
6	<b>OB.305.06</b>



BRUNS	
Fig.	17 cm/7"
0000	<b>OB.308.40</b>
000	<b>OB.308.30</b>
00	<b>OB.308.20</b>
0	<b>OB.308.10</b>
1	<b>OB.309.01</b>
2	<b>OB.309.02</b>
3	<b>OB.309.03</b>
4	<b>OB.309.04</b>
5	<b>OB.309.05</b>
6	<b>OB.309.06</b>



SPRATT	
Fig.	17 cm/7"
0000	<b>OB.312.40</b>
000	<b>OB.312.30</b>
00	<b>OB.312.20</b>
0	<b>OB.312.10</b>
1	<b>OB.313.01</b>
2	<b>OB.313.02</b>
3	<b>OB.313.03</b>
4	<b>OB.313.04</b>
5	<b>OB.313.05</b>



DAUBENSPECK	
Fig.	17 cm/7"
0000	<b>OB.306.40</b>
000	<b>OB.306.30</b>
00	<b>OB.306.20</b>
0	<b>OB.306.10</b>



MODELL USA	
Fig.	16.5 cm/6½"
1	<b>OB.344.01</b>
2	<b>OB.344.02</b>
3	<b>OB.344.03</b>
4	<b>OB.344.04</b>
5	<b>OB.344.05</b>
6	<b>OB.344.06</b>



MODELL USA	
Fig.	16.5 cm/6½"
1	<b>OB.345.01</b>
2	<b>OB.345.02</b>
3	<b>OB.345.03</b>
4	<b>OB.345.04</b>
5	<b>OB.345.05</b>
6	<b>OB.345.06</b>



MODELL USA	
Fig.	16.5 cm/6½"
1	<b>OB.347.01</b>
2	<b>OB.347.02</b>
3	<b>OB.347.03</b>
4	<b>OB.347.04</b>
5	<b>OB.347.05</b>
6	<b>OB.347.06</b>



HALLE	
Fig.	25 cm/9¾"
1	<b>OB.350.01</b>
2	<b>OB.350.02</b>
3	<b>OB.350.03</b>



BUSHE	
	25 cm/9¾"
3 mm	<b>OB.348.03</b>
4 mm	<b>OB.348.04</b>
5 mm	<b>OB.348.05</b>



JACOBSEN  
**OB.351.14**  
14 cm/5½"



VOLKMANN  
12.5 cm/4¾" **OB.352.13**  
14.5 cm/5¾" **OB.352.14**  
17.0 cm/6¾" **OB.352.17**



VOLKMANN  
13 cm/5" **OB.354.13**  
16 cm/6¼" **OB.354.16**  
20 cm/8" **OB.354.20**



14 cm/5½"  
Fig. WILLIGER  
00/0 **OB.358.00**  
0/1 **OB.358.01**  
1/2 **OB.358.12**



15 cm/6"  
Fig. WILLIGER  
00/00 **OB.359.00**  
0/0 **OB.359.10**  
1/1 **OB.359.12**



BRUNS  
Fig. 23 cm/9"  
000 **OB.334.30**  
00 **OB.334.20**  
0 **OB.334.10**  
1 **OB.335.01**  
2 **OB.335.02**  
3 **OB.335.03**  
4 **OB.335.04**  
5 **OB.335.05**  
6 **OB.335.06**



**OB.356.21**  
21 cm/8¼"



SCOVILLE  
25 cm/9¾"  
**OB.336.25**  
**OB.337.25**  
**OB.339.25**



SIMON  
Fig. 22.5 cm/8¾"  
1 **OB.340.01**  
2 **OB.340.02**  
3 **OB.340.03**  
4 **OB.340.04**  
5 **OB.340.05**  
6 **OB.340.06**



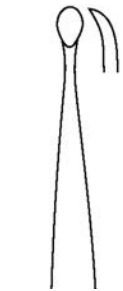
Fig. 25 cm/9¾"  
000 **OB.342.30**  
00 **OB.342.20**  
0 **OB.342.10**  
1 **OB.342.01**



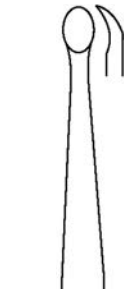
MOLT  
**OB.395.24**  
19 cm/7½"



**MOLT**  
17 cm/7"



**OB.395.01**  
Fig. 1



**OB.395.02**  
Fig. 2



**OB.395.03**  
Fig. 3



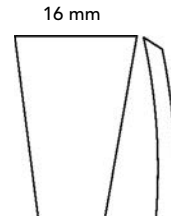
**OB.395.04**  
Fig. 4



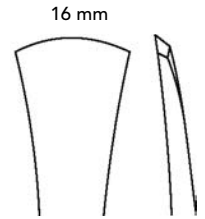
**OB.395.05**  
Fig. 5



**MARTIN-LANGENBECK**



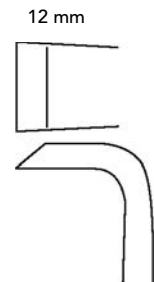
**OB.400.01**  
19 cm/7½"



**OB.400.02**  
20 cm/8"



**OB.400.03**  
19 cm/7½"



**OB.400.04**  
18 cm/7"

Periosteal Elevators



**MARTIN-HOEN**

- 19 cm/6¼" 7 mm **OB.400.10**
- 18.5 cm/7¼" 15 mm **OB.400.11**
- 19 cm/7½" 20 mm **OB.400.12**



**MARTIN-CUSHING**

- 17.5 cm/6¾" 4 mm **OB.400.20**
- 17.5 cm/6¾" 6 mm **OB.400.21**
- 19.5 cm/7¾" 5 mm **OB.400.25**
- 19.5 cm/7¾" 7 mm **OB.400.26**



**MARTIN-CUSHING**

- OB.400.30**  
17 cm/6¾"



**LANGENBECK**

- OB.401.18**  
18 cm/7"



**LANGENBECK**

- OB.402.19**  
19 cm/7½"



LANDOLT  
**OB.404.18**  
17.5 cm/6¾"



JANSEN  
**OB.405.17**  
16.5 cm/6½"



KOENIG  
**OB.406.16**  
15.5 cm/6"



TRELAT  
**OB.407.15**  
15 cm/6"



SCHNEIDER  
**OB.408.18**  
17.5 cm/6¾"



SCHNEIDER-  
SAUERBRUCH  
**OB.409.14**  
19 cm/7½"



16 cm/6¼"  
5 mm **OB.411.05**  
6 mm **OB.411.06**  
7 mm **OB.411.07**



COTTLE  
**OB.412.20**  
19 cm/7½"



SEWALL  
**OB.413.20**  
20 cm/8"



SEDILLOT  
**OB.414.19**  
18.5 cm/7¼"



FARABEUF-COLLIN  
15.5 cm/6¼"  
Straight **OB.416.11**  
Curved **OB.417.11**



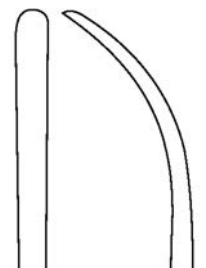
FARABEUF  
15.5 cm/6¼"  
Straight **OB.418.15**  
Curved **OB.419.15**



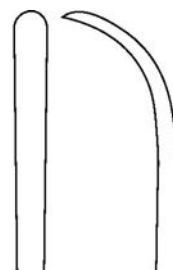
MÜHLING  
17 cm/6¾"



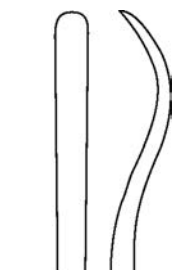
**OB.421.01**



**OB.421.02**



**OB.421.03**



**OB.421.04**



KEY

18 cm/7¼"	3 mm	<b>OB.423.06</b>
18 cm/7¼"	6.5 mm	<b>OB.423.01</b>
19 cm/7½"	9.5 mm	<b>OB.223.02</b>
19 cm/7½"	12 mm	<b>OB.223.03</b>
20 cm/8"	16 mm	<b>OB.223.07</b>
20 cm/8"	19 mm	<b>OB.223.04</b>
21 cm/8¼"	24 mm	<b>OB.223.05</b>



COBB

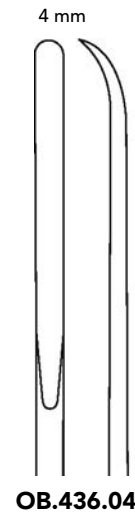
23 cm/9"	28 cm/11"
6 mm	<b>OB.426.06</b> <b>OB.425.06</b>
10 mm	<b>OB.426.10</b> <b>OB.425.10</b>
13 mm	<b>OB.426.13</b> <b>OB.425.13</b>
19 mm	<b>OB.426.19</b> <b>OB.425.19</b>
25 mm	<b>OB.426.25</b> <b>OB.425.25</b>



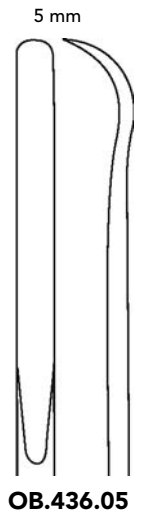
SEDILLOT  
**OB.427.21**  
23 cm/9"



KAHRE-WILLIGER  
16.5 cm/6½"



**OB.436.04**



**OB.436.05**



WILLIGER  
**OB.436.07**  
16 cm/6¼"



WILLIGER  
**OB.434.13**  
12.5 cm/5"



WILLIGER  
**OB.436.16**  
16 cm/6¼"



17 cm/7"  
3 mm **OB.438.03**  
6 mm **OB.438.06**



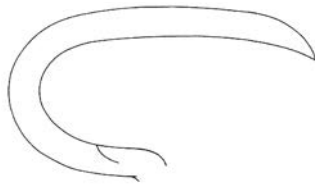
17 cm/7"  
6 mm **OB.439.06**  
8 mm **OB.439.08**





DOYEN

Right Curved



**OB.441.17**  
17 cm/6¾"

Left Curved



**OB.443.17**  
17 cm/6¾"

Right Curved



**OB.441.18**  
18 cm/7"

Left Curved



**OB.443.18**  
18 cm/7"

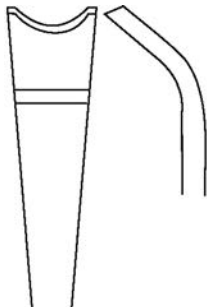


ALEXANDER  
**OB.448.21**  
21 cm/8¼"



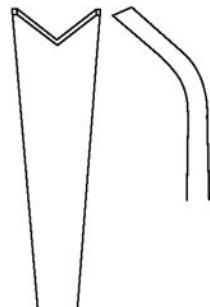
SEMB

12 mm



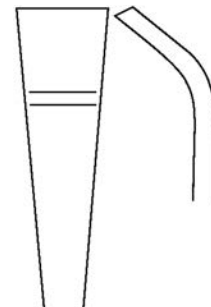
**OB.450.01**  
19 cm/7½"  
Fig. 1

12 mm



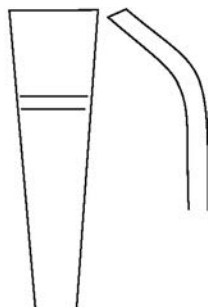
**OB.450.02**  
22 cm/8¾"  
Fig. 2

13 mm



**OB.450.03**  
19 cm/7½"  
Fig. 3

13 mm



**OB.450.04**  
22 cm/8¾"  
Fig. 4

15 mm



**OB.450.05**  
23 cm/9"  
Fig. 5

LAMBOTTE  
21.5 cm/8½"

- 5 mm **OB.461.05**
- 10 mm **OB.461.10**
- 15 mm **OB.461.15**
- 20 mm **OB.461.20**
- 25 mm **OB.461.25**





**OB.479.28**  
28 cm/11"



**OB.481.24**  
25 cm/9¾"



**OB.482.22**  
22 cm/8¾"



PUTTI  
**OB.181.30**  
30 cm/11¾"



PUTTI  
**OB.183.27**  
27 cm/10½"



ADSON  
17.5 cm/7"



**OB.484.17**



**OB.485.17**



**OB.486.17**

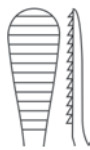


**OB.487.17**

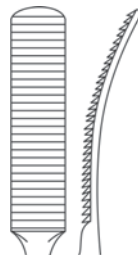
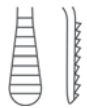
downwards cutting



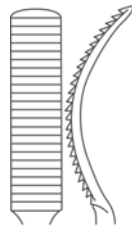
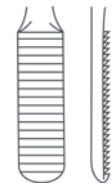
MILLER-COLBURN  
18 cm/7"



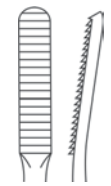
**OB.490.01**  
Fig. 1



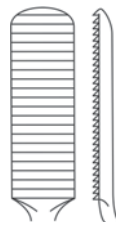
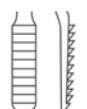
**OB.490.02**  
Fig. 2



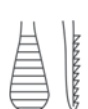
**OB.490.03**  
Fig. 3



**OB.490.04**  
Fig. 4



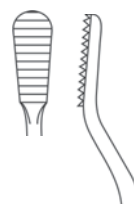
**OB.490.05**  
Fig. 5



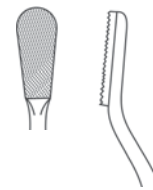
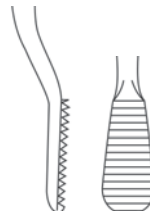
TC Jaws



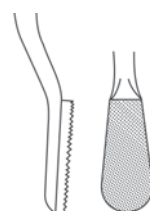
MILLER  
19 cm/7½"



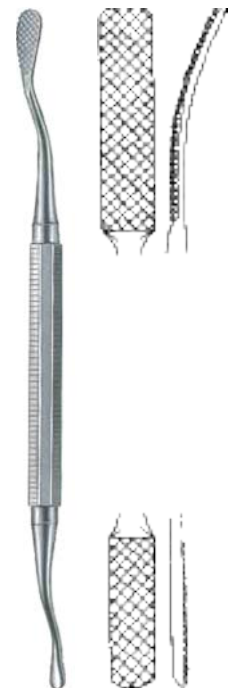
**OB.492.01**



**OB.493.03**



cross cutting



MILLER-COLBURN

- |      |                  |
|------|------------------|
| Fig. | 18 cm/7"         |
| 1    | <b>OB.491.01</b> |
| 2    | <b>OB.491.02</b> |
| 3    | <b>OB.491.03</b> |
| 4    | <b>OB.491.04</b> |



LANGENBECK

19.5 cm/7¾" 7 mm **OB.495.20**  
 19.5 cm/7¾" 10 mm **OB.497.20**  
 23 cm/9" 11 mm **OB.498.23**



WILLIGER  
**OB.510.17**  
17 cm/7"



WILLIGER  
**OB.513.16**  
16 cm/6¼"



SEBILEAU  
**OB.516.18**  
17.5 cm/7"



QUERVAIN  
**OB.517.20**  
19.5 cm/7¾"



ALDERDYCE  
**OB.525.21**  
21 cm/8¼"



MCDONALD  
**OB.527.19**  
18.5 cm/7¼"



**OB.537.06**  
15 cm/6"



HOHMANN, MINI  
16 cm/6¾"  
6 mm **OB.539.06**  
8 mm **OB.539.08**



**OB.539.15**  
16 cm/6¾"



BENNETT  
24 cm/9½" 43 mm **OB.559.24**  
23.5 cm/9¼" 60 mm **OB.561.24**

Knee Retractors



BLOUNT  
**OB.563.26**  
26.5 cm/10½"



BLOUNT  
**OB.565.26**  
26.5 cm/10½"



8 mm

**HOHMANN  
OB.541.08**  
21.5 cm/8<sup>3</sup>/<sub>4</sub>"



18 mm

**HOHMANN  
OB.541.18**  
23.5 cm/9<sup>1</sup>/<sub>2</sub>"



43 mm

**HOHMANN  
OB.541.43**  
23.5 cm/9<sup>1</sup>/<sub>2</sub>"



70 mm

**HOHMANN  
OB.541.70**  
25 cm/9<sup>3</sup>/<sub>4</sub>"



43 mm

**HOHMANN  
OB.543.43**  
23.5 cm/9<sup>1</sup>/<sub>2</sub>"



22 mm

**HOHMANN  
OB.545.22**  
25.5 cm/10<sup>1</sup>/<sub>4</sub>"



35 mm

**HOHMANN  
OB.545.35**  
29 cm/11<sup>1</sup>/<sub>2</sub>"



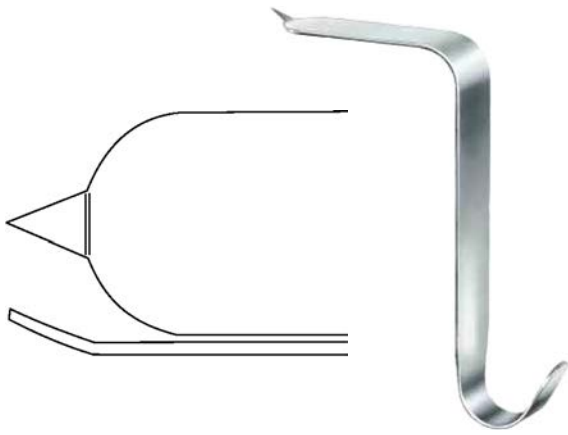
24 mm

**HOHMANN  
OB.547.24**  
27.5 cm/10<sup>3</sup>/<sub>4</sub>"

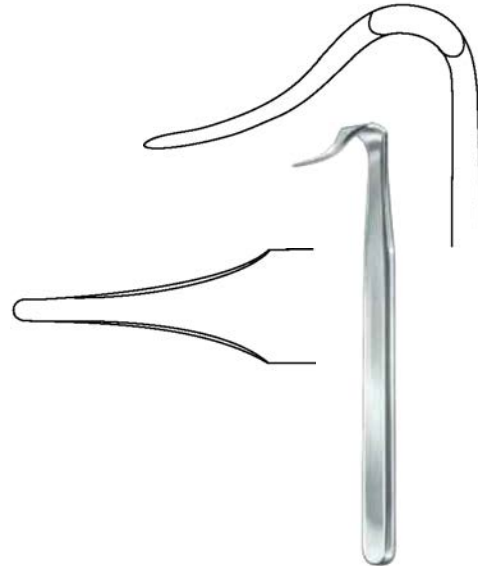


22 mm

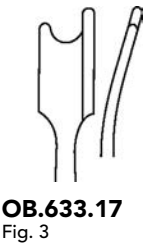
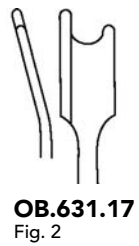
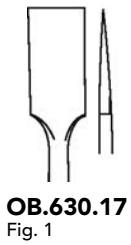
**LANGE-HOHMANN  
OB.549.22**  
25 cm/9<sup>3</sup>/<sub>4</sub>"



**TAYLOR**  
16 cm/6¼"  
95 x 30 mm **OB.571.16**  
115 x 30 mm **OB.573.16**



**BLOUNT**  
**OB.567.17**  
17.5 cm/6¾"



17.5 cm/7"



**NEFF**  
22 cm/8¾"



**SALENIUS**  
21.5 cm/8½"



**FISCHER**  
**OB.660.31**  
31 cm/12¼"



**OB.662.29**  
28.5 cm/11¼"

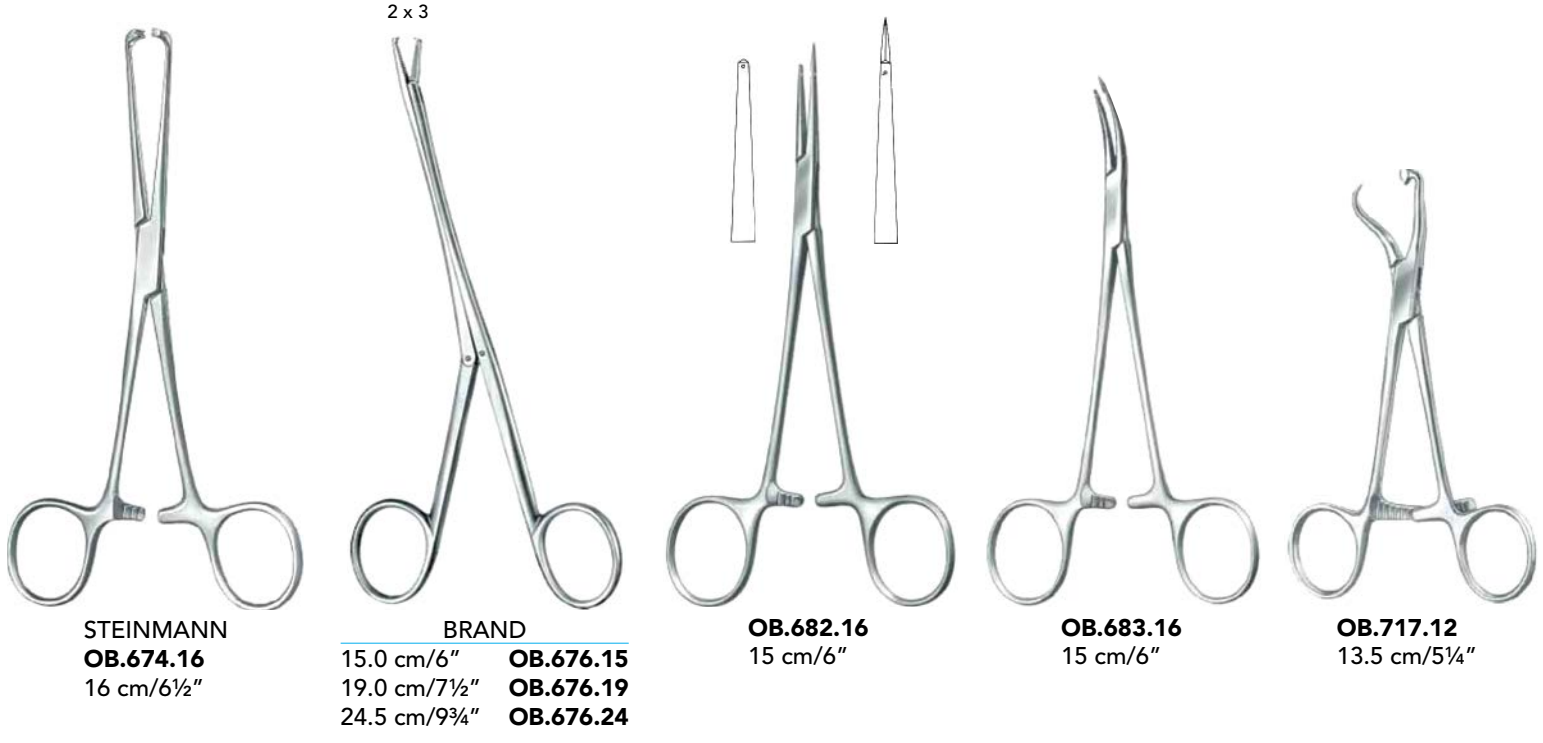
Tendon Passer



**BUNNELL**  
**OB.664.23**  
23 cm/9"

Fig. 1 Left **OB.643.22**  
Fig. 2 Right **OB.645.22**

Fig. 1 Left **OB.650.22**  
Fig. 2 Right **OB.651.22**



Bone holding forceps





2:3

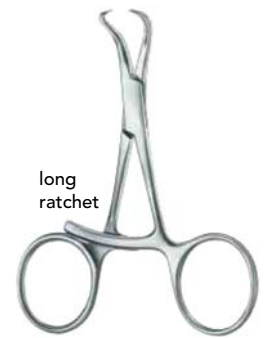
21.0 cm/8¼"  
Straight Curved  
OB.678.00 OB.678.01



LEWIN  
OB.718.17  
18 cm/7"



MARTIN  
OB.716.19  
18.5 cm/7¼"



long ratchet

OB.721.09  
14 cm/5½"

Bone holding forceps



DINGMANN  
OB.715.19  
18.5 cm/7¼"



long ratchet

OB.721.14  
14 cm/5½"



delicate

OB.716.14  
14 cm/5½"



CARROLL  
OB.679.11  
11.5 cm/4½"



**LANGENBECK**  
**OB.722.21**  
21 cm/8¼"



**FERGUSSON**  
**OB.724.21**  
21 cm/8¼"



**FROSCH**  
**OB.726.18**  
18 cm/7"



**OB.727.20**  
20 cm/8"



**OB.729.16**  
17.5 cm/7"



**OB.729.24**  
17.5 cm/7"

with thread fixation



**KERN**  
17.0 cm/6¾" **OB.730.17**  
24.5 cm/9¾" **OB.730.21**



**SEMB**  
**OB.731.19**  
19.5 cm/7¾"

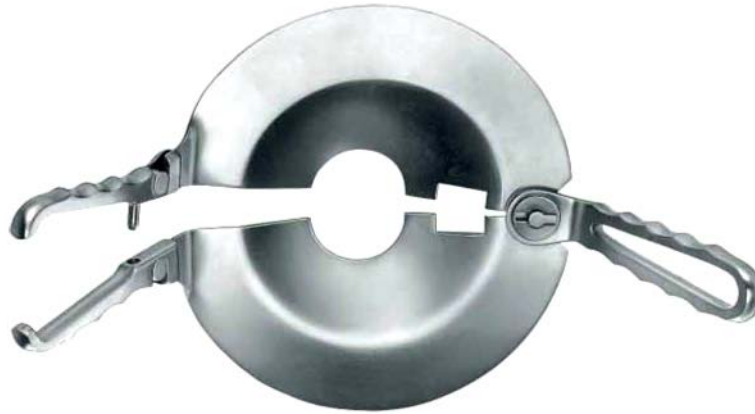


**OB.734.26**  
26 cm/10¼"





detachable, Amputation Retractor



PERCEY  
OB.762.30



ULRICH



angled

with thread fixation

	Straight	Angled
23 cm/9"	<b>OB.746.23</b>	<b>OB.747.23</b>
25 cm/10"	<b>OB.746.25</b>	<b>OB.747.25</b>
28 cm/11"	<b>OB.746.28</b>	<b>OB.747.28</b>



VERBRUGGE

25 cm/10"	<b>OB.755.01</b>
26 cm/10¼"	<b>OB.755.02</b>
27.5 cm/10¾"	<b>OB.755.03</b>



LANE  
33 cm/13"

With Ratchet	Without Ratchet
<b>OB.750.33</b>	<b>OB.752.33</b>



STELLBRINK



**OB.777.01**  
17.0 cm/7"



**OB.777.02**  
16.5 cm/6½"



FRIEDMANN  
**OB.799.12**  
12.5 cm/4¾"



FRIEDMANN  
**OB.801.14**  
13.5 cm/5¼"



delicate long tip

FRIEDMANN  
**OB.803.14**  
13.5 cm/5¼"



CLEVELAND  
**OB.805.14**  
13.5 cm/5¼"



CLEVELAND  
**OB.807.17**  
16.5 cm/6½"



MEAD  
**OB.815.16**  
16.5 cm/6½"



MEAD  
**OB.816.16**  
16.5 cm/6½"



HARTMANN  
**OB.819.18**  
17.5 cm/7"



LUER  
18.0 cm/7"

Straight **OB.846.17**  
Curved **OB.847.17**



JANSEN



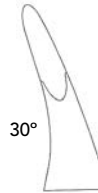
**OB.826.18**  
18 cm/7"



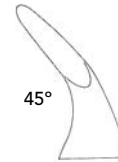
**OB.829.18**  
18.0 cm/7"



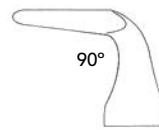
BLUMENTHAL  
16.0 cm/7"



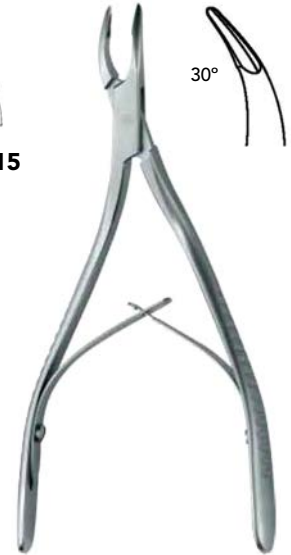
**OB.835.15**



**OB.837.15**



**OB.839.15**



**OB.835.30**  
15.5 cm/6"



**OB.836.00**  
15.5 cm/6"



**OB.836.30**  
15.5 cm/6"



**OB.836.90**  
14.5 cm/5¾"



ZAUFAL-JANSEN  
**OB.881.30**  
15.5 cm/6"



**BEYER**  
**OB.879.18**  
18 cm/7"



**MAYFIELD**  
**OB.883.17**  
18 cm/7"



**MARQUARD**  
**OB.885.20**  
20.5 cm/8"



**RUSKIN**  
**OB.887.18**  
19 cm/7½"

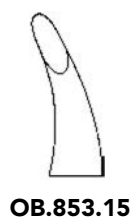


**LEMPERT**  
19 cm/7½"

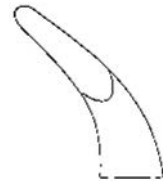
Straight OB.832.19 Curved OB.833.19



**LUER**  
14.5 cm/5¾"



**OB.853.15**



**OB.864.15**



**BOEHLER**  
15 cm/6"

Straight OB.876.15 Curved OB.877.15



SEMB  
**OB.895.22**  
23.5 cm/9¼"



FRYKHOLM  
**OB.909.24**  
24.5 cm/9½"



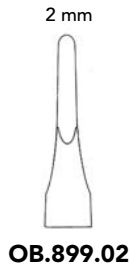
4 mm  
**OB.811.22**

8 mm  
**OB.810.22**

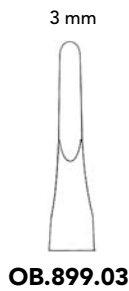
LEKSELL-STILLE  
24.5 cm/9½"



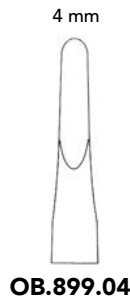
ECHLIN  
23 cm/9"



**OB.899.02**



**OB.899.03**



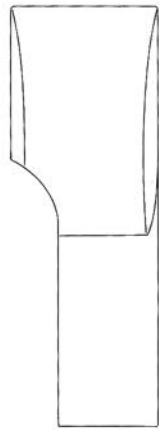
**OB.899.04**



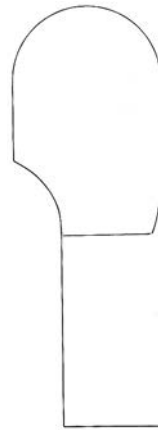
STILLE-RUSKIN  
**OB.901.23**  
23.5 cm/9¼"



RUSKIN  
**OB.893.23**  
24 cm/9½"



**OB.916.30**



**OB.918.30**



**SAUERBRUCH**  
31 cm/12¼"



**STILLE**  
**OB.897.23**  
22.5 cm/8¾"



**STILLE-LUER**

	Straight	Curved
23 cm/9"	<b>OB.912.23</b>	<b>OB.913.23</b>
27 cm/10¾"	<b>OB.912.27</b>	<b>OB.913.27</b>



**COTTLE-KAZANJIAN**  
**OB.930.19**  
19 cm/7½"

Straight



**LISTON**  
14 cm/5½" **OB.934.14**  
17 cm/6¾" **OB.934.17**  
20 cm/8" **OB.934.19**  
22 cm/8¾" **OB.934.22**

Curved



**LISTON**  
14 cm/5½" **OB.935.14**  
17 cm/6¾" **OB.935.17**  
20 cm/8" **OB.935.19**  
22 cm/8¾" **OB.935.22**



**CLEVELAND**  
**OB.939.17**  
17 cm/7"

Straight

Curved



**CLEVELAND**  
**OB.941.15**  
14.5 cm/5¾"



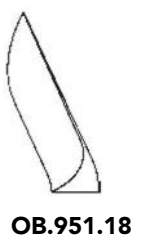
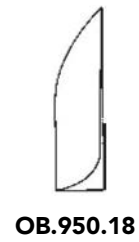
**BOEHLER**  
**OB.944.15**  
14.5 cm/5¾"



**BOEHLER**  
**OB.946.15**  
14.5 cm/5¾"



**CLEVELAND**  
**OB.947.16**  
17 cm/7"



**RUSKIN-LISTON**  
17 cm/7"



SEM B  
**OB.959.24**  
 24.5 cm/19¾"



STILLE-LISTON  
**OB.952.27**  
 17 cm/7"



STILLE-LISTON  
 23.5 cm/10¾" **OB.955.23**  
 28 cm/11" **OB.955.27**



STILLE-LISTON  
**OB.954.27**  
 28 cm/11"



LISTON-KEY  
**OB.957.27**  
 26 cm/10¼"



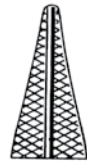


Flat nose pliers

**OC.505.17**  
17 cm/6¾"



**OC.507.18**  
18 cm/7"



Flat nose plier

Hackstock  
**OC.518.16**  
16 cm/6¼"



Wire nipper

MARTIN-Diamant  
**OC.522.16**  
16 cm/6¼"

Side-cutting plier

Extracting forceps



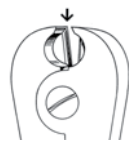
**OC.511.01**  
18 cm/7"



TC Jaws



**OC.523.22**  
22 cm/8¾"



TC Jaws

Combination cutting plier



**OC.526.18**  
22 cm/8¾"



TC Jaws

Wire twisting forceps



**OC.500.20**  
20 cm/8"



Bending press

**OC.229.30**

Plate cutter



**OC.528.55**  
55 cm/22"

Plate bending plier



**OC.229.20**

Bending pliers for small plates



**OC.229.22**  
22 cm/8¾"

Plate bending plier



**OI.124.16**  
16 cm/6¼"



Bending iron for small plates



**OC.229.04**  
14.5 cm/5¾"

**OC.229.05**  
14.5 cm/5¾"

Depth gauge, small



**OC.219.04**  
16 cm/6¼"

Depth gauge, large



**OC.219.05**  
22 cm/8¾"

measuring sleeve



**OC.228.05**  
15.5 cm/6"

measuring sleeve



**OC.238.05**  
20.5 cm/8"

Sharp hook



**OC.219.39**  
15.5 cm/6"

Drill bit guides

sleeve & drill bit guide



**OC.212.27**  
10.5 cm/4"



**OC.222.21**  
12 cm/4¾"



**OC.222.32**  
14 cm/5½"

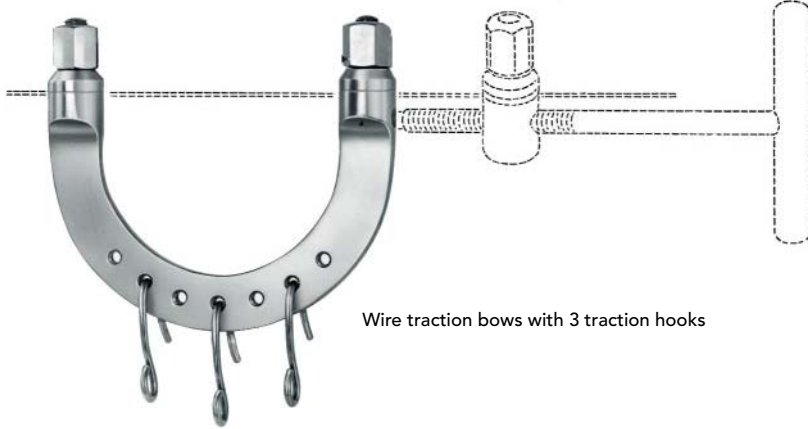
for compression hole



**OC.222.43**  
18 cm/7"



**OC.222.44**  
16.5 cm/6½"



Wire traction bows with 3 traction hooks

**KIRSCHNER**

- 95 x 70 mm **OC.581.01**
- 105 x 105 mm **OC.581.02**
- 120 x 120 mm **OC.581.03**
- 155 x 155 mm **OC.581.04**



Wire strainer

**OC.586.18**  
18.5 cm/7¼"

Traction hook for extension bows



**OC.603.06**  
18.5 cm/7¼"



with 3 traction hooks

Wrench



**OC.587.20**  
20 cm/8"

**KIRSCHNER**

- 18.5 cm/7¼" **OC.585.01**
- 26.5 cm/10¼" **OC.585.02**



- 180 x 100 mm **OC.589.18**
- 270 x 160 mm **OC.589.27**



Ø 4 mm



Steinmann Pins, with trocar tip  
 14 cm/5½" **OC.562.14**  
 16 cm/6¼" **OC.562.16**  
 18 cm/7" **OC.562.18**  
 20 cm/8" **OC.562.20**



Wire traction bows

BOEHLER  
 210 x 150 mm **OC.565.15**  
 160 x 90 mm **OC.565.16**  
 210 x 110 mm **OC.565.21**

with three jaw chuck, longitudinal bore



with three jaw chuck and pin key

BUNNEL  
**OC.606.00**

with three jaw chuck



RALK  
**OC.611.01**

Wrench



**OC.620.99**

Handle with three jaw chuck, with key



**OC.620.05**

2.5 mm



**OC.368.21**  
21 cm/8¼"

3.5 mm



**OC.369.21**  
21 cm/8¼"

4.5 mm



**OC.369.25**  
25 cm/10"

6 mm



**OC.372.17**  
17 cm/6¾"

6 mm



LANE  
**OC.372.25**  
25 cm/10"

6 mm



PHILIPS  
**OC.380.25**  
25 cm/10"

