

## Bone Instruments

### Bone Chisels, Gouges and Osteotomes



Width

mm  
02  
03  
04  
05  
06  
07  
08  
13.5 cm/5¼"

**Partsch**

61-860-02  
61-860-03  
61-860-04  
61-860-05  
61-860-06  
61-860-07  
61-860-08  
17 cm/6¾"

**Partsch**  
61-866-02  
61-866-03  
61-866-04  
61-866-05  
61-866-06  
61-866-07  
61-866-08  
13.5 cm/5¼"

61-868-04  
61-868-06  
61-868-08  
61-868-10  
61-868-12  
61-868-14  
61-868-16  
17cm/6¾"

mm  
04  
06  
08  
10  
12  
14  
16  
13.5 cm/5¼"

61-870-04  
61-870-06  
61-870-08  
61-870-10  
61-870-12  
61-870-14  
61-870-16

61-872-04  
61-872-06  
61-872-08  
61-872-10  
61-872-12  
61-872-14  
61-872-16

61-874-04  
61-874-06  
61-874-08  
61-874-10  
61-874-12  
61-874-14  
61-874-16



61-886-03  
3mm  
61-886-05  
5mm  
61-886-07  
7mm  
61-886-09  
9mm

16 cm/6¼"



61-890-02  
2.5mm  
61-890-03  
3.5mm

mm  
06  
12  
18  
61-878-06  
61-878-12  
61-878-18

**Mod. USA**

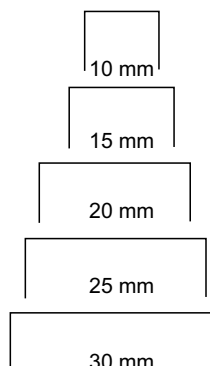
61-880-06  
61-880-12  
61-880-18  
16 cm/6¼"

61-882-06  
61-882-12  
61-882-18

**Passow**  
12 cm/4¾"



**Lexer**  
27.5 cm/10¾"



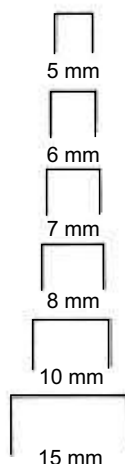
61-893-10  
61-893-15  
61-893-20  
61-893-25  
61-893-30



61-895-10  
61-895-15  
61-895-20  
61-895-25  
61-895-30



**Cloward**  
24 cm/9½"



61-898-05  
61-898-06  
61-898-07  
61-898-08  
61-898-10  
61-898-15



61-900-05  
61-900-06  
61-900-07  
61-900-08  
61-900-10  
61-900-15

## Bone Instruments

### Bone Chisels and Gouges Osteotomes



**Alexander**  
18 cm/7"

|           |    |           |
|-----------|----|-----------|
|           | mm |           |
| 61-904-04 | 04 | 61-906-04 |
| 61-904-06 | 06 | 61-906-06 |
| 61-904-08 | 08 | 61-906-08 |
| 61-904-10 | 10 | 61-906-10 |
| 61-904-12 | 12 | 61-906-12 |
| 61-904-14 | 14 | 61-906-14 |



**Hoke**

14 cm/5½"

|           |    |           |
|-----------|----|-----------|
|           | mm |           |
| 61-910-02 | 2  | 61-911-02 |
| 61-910-03 | 3  | 61-911-03 |
| 61-910-04 | 4  | 61-911-04 |
| 61-910-05 | 5  | 61-911-05 |
| 61-910-06 | 6  | 61-911-06 |
| 61-910-07 | 7  | 61-911-07 |
| 61-910-08 | 8  | 61-911-08 |



**Smith-Petersen**  
20 cm/8"



|    |           |           |           |           |
|----|-----------|-----------|-----------|-----------|
| mm |           |           |           |           |
| 06 | 61-914-06 | 61-915-06 | 61-918-06 | 61-919-06 |
| 09 | 61-914-09 | 61-915-09 | 61-918-09 | 61-919-09 |
| 13 | 61-914-13 | 61-915-13 |           |           |
| 14 |           |           | 61-918-14 | 61-919-14 |
| 16 | 61-914-16 | 61-915-16 | 61-918-16 | 61-919-16 |
| 19 | 61-914-19 | 61-915-19 | 61-918-19 | 61-919-19 |
| 25 | 61-914-25 | 61-915-25 | 61-918-25 | 61-919-25 |
| 32 | 61-914-32 | 61-915-32 | 61-918-32 | 61-919-32 |



61-922-04  
61-922-06  
61-922-08  
61-922-10  
61-922-13  
61-922-16  
61-922-18  
61-922-20  
61-922-25  
61-922-30  
61-922-38  
61-922-44  
61-922-50

24 cm/9½"

**Lambotte**

mm  
04  
06  
08  
10  
13  
16  
18  
20  
25  
30  
38  
44  
50

61-923-04  
61-923-06  
61-923-08  
61-923-10  
61-923-13  
61-923-16  
61-923-18  
61-923-20  
61-923-25  
61-923-30  
61-923-38  
61-923-44  
61-923-50

23 cm/9"

Curved



61-926-02  
61-926-03  
61-926-04  
61-926-06  
61-926-08  
61-926-10  
61-926-12  
61-926-15  
12.5 cm/5"

**Mini-Lambotte**

mm  
02  
03  
04  
06  
08  
10  
12  
15

61-927-02  
61-927-03  
61-927-04  
61-927-06  
61-927-08  
61-927-10  
61-927-12  
61-927-15  
17 cm/6¾"



61-930-04  
61-930-06  
61-930-08  
61-930-10  
61-930-12

**Mini-Lexer**

mm  
04  
06  
08  
10  
12

61-932-04  
61-932-06  
61-932-08  
61-932-10  
61-932-12

18 cm/7"



61-936-05  
61-936-07  
61-936-10  
61-936-15  
61-936-20  
61-936-25  
61-936-30

**Lexer**

mm  
05  
07  
10  
15  
20  
25  
30

61-938-05  
61-938-07  
61-938-10  
61-938-15  
61-938-20  
61-938-25  
61-938-30

22 cm/8¾"





**Chisel**  
61-942-20  
24.5 cm/9 <sup>3</sup>/<sub>4</sub>"  
20 mm



**Chisel-Curved**  
61-943-20  
26.5 cm/10 <sup>1</sup>/<sub>2</sub>"  
20 mm



Gouge for the  
removing of  
broken screws

61-944-22  
22 cm/8 <sup>3</sup>/<sub>4</sub>"

**Zielke**  
23 cm/9"  
5.5 mm  
9.0 mm



61-948-05  
61-948-09

**Stille**  
20 cm/8"

mm  
06  
08  
10  
12  
15  
20  
25  
30

Width



|           |           |           |           |           |
|-----------|-----------|-----------|-----------|-----------|
| 61-950-06 | 61-652-06 | 61-953-06 | 61-956-06 | 61-957-06 |
| 61-950-08 | 61-952-08 | 61-953-08 | 61-956-08 | 61-957-08 |
| 61-950-10 | 61-952-10 | 61-953-10 | 61-956-10 | 61-957-10 |
| 61-950-12 | 61-952-12 | 61-953-12 | 61-956-12 | 61-957-12 |
| 61-950-15 | 61-952-15 | 61-953-15 | 61-956-15 | 61-957-15 |
| 61-950-20 | 61-952-20 | 61-953-20 | 61-956-20 | 61-957-20 |
| 61-950-25 | 61-952-25 | 61-953-25 | 61-956-25 | 61-957-25 |
| 61-950-30 | 61-952-30 | 61-953-30 | 61-956-30 | 61-957-30 |

**Hibbs**  
24 cm/9½"

mm  
06  
09  
13  
16  
19  
25  
32



|           |           |           |           |           |
|-----------|-----------|-----------|-----------|-----------|
| 61-960-06 | 61-961-06 | 61-964-06 | 61-966-06 | 61-967-06 |
| 61-960-09 | 61-961-09 | 61-964-09 | 61-966-09 | 61-967-09 |
| 61-960-13 | 61-961-13 | 61-964-13 | 61-966-13 | 61-967-13 |
| 61-960-16 | 61-961-16 | 61-964-16 | 61-966-16 | 61-967-16 |
| 61-960-19 | 61-961-19 | 61-964-19 | 61-966-19 | 61-967-19 |
| 61-960-25 | 61-961-25 | 61-964-25 | 61-966-25 | 61-967-25 |
| 61-960-32 | 61-961-32 | 61-964-32 | 61-966-32 | 61-967-32 |



mm    **Lexer**  
 05    61-970-05  
 10    61-970-10  
 15    61-970-15  
 28 cm/11"



**Lexer**  
 61-972-05  
 61-972-10  
 61-972-15  
 25 cm/10"



**Lexer**  
 61-973-05  
 61-973-10  
 61-973-15  
 25 cm/10"



61-976-01



61-977-02



61-977-03



**Cobb**  
 28 cm/11"

61-977-04



**Volkman**  
17 cm/6¾"



Fig.  
0000 61-980-40  
000 61-980-30  
00 61-980-20  
0 61-980-10  
1 61-980-01  
2 61-980-02  
3 61-980-03  
4 61-980-04  
5 61-980-05  
6 61-980-06



**Volkman**  
17 cm/6¾"

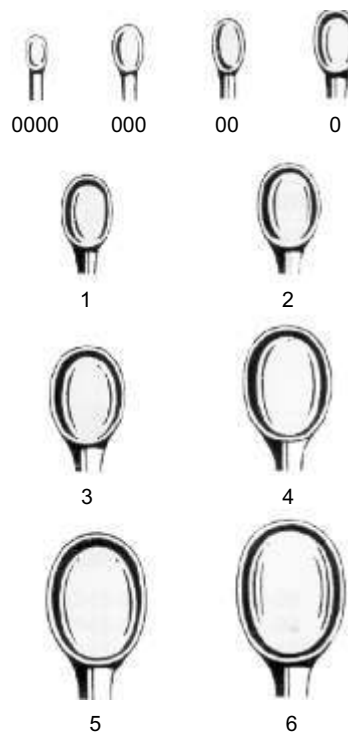
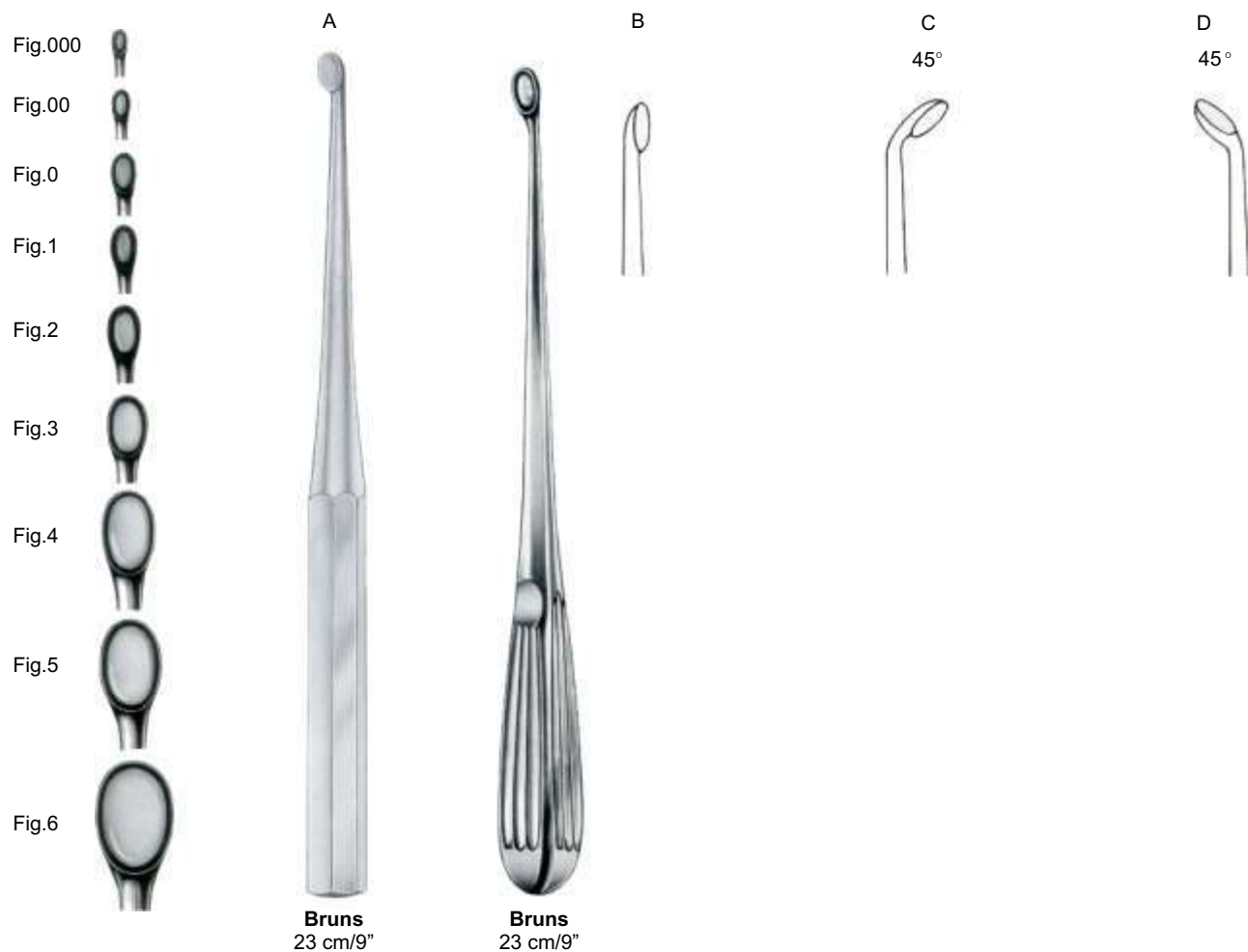


Fig.  
0000 61-984-40  
000 61-984-30  
00 61-984-20  
0 61-984-10  
1 61-984-01  
2 61-984-02  
3 61-984-03  
4 61-984-04  
5 61-984-05  
6 61-984-06

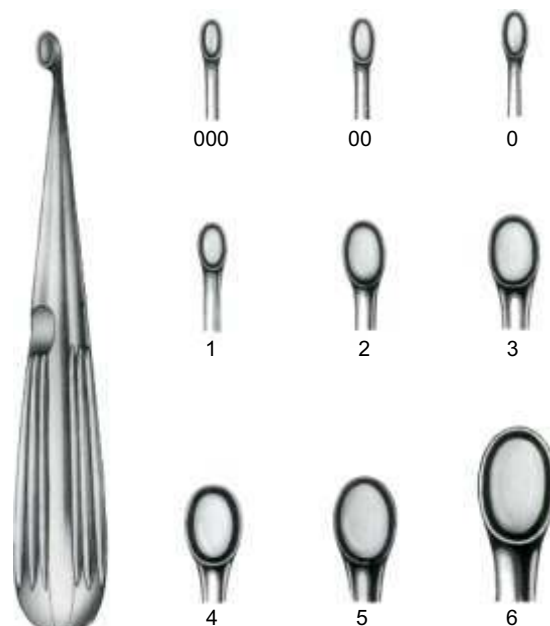


| Fig. | A         | B         | C         | D         |
|------|-----------|-----------|-----------|-----------|
| 000  | 61-988-30 | 61-990-30 | 61-991-30 | 61-993-30 |
| 00   | 61-988-20 | 61-990-20 | 61-991-20 | 61-993-20 |
| 0    | 61-988-10 | 61-990-10 | 61-991-10 | 61-993-10 |
| 1    | 61-988-01 | 61-990-01 | 61-991-01 | 61-993-01 |
| 2    | 61-988-02 | 61-990-02 | 61-991-02 | 61-993-02 |
| 3    | 61-988-03 | 61-990-03 | 61-991-03 | 61-993-03 |
| 4    | 61-988-04 | 61-990-04 | 61-991-04 | 61-993-04 |
| 5    | 61-988-05 | 61-990-05 | 61-991-05 | 61-993-05 |
| 6    | 61-988-06 | 61-990-06 | 61-991-06 | 61-993-06 |



**Brun's**  
17 cm/6 3/4"

| <b>Brun's</b> | <b>Fig.</b> | <b>Spratt</b> |
|---------------|-------------|---------------|
| 61-996-30     | 000         | 61-998-30     |
| 61-996-20     | 00          | 61-998-20     |
| 61-996-10     | 0           | 61-998-10     |
| 61-996-01     | 1           | 61-998-01     |
| 61-996-02     | 2           | 61-998-02     |
| 61-996-03     | 3           | 61-998-03     |
| 61-996-04     | 4           | 61-998-04     |
| 61-996-05     | 5           | 61-998-05     |
| 61-996-06     | 6           | 61-998-06     |



**Spratt**  
16 cm/6 1/4"



**Swedish pattern**

| <b>mm</b> | <b>Round</b> | <b>Oval</b> |
|-----------|--------------|-------------|
| 2         | 61-002-02    | 61-004-02   |
| 3         | 61-002-03    | 61-004-03   |
| 4         | 61-002-04    | 61-004-04   |
| 5         | 61-002-05    | 61-004-05   |
| 6         | 61-002-06    | 61-004-06   |
| 7         | 61-002-07    | 61-004-07   |
| 8         | 61-002-08    | 61-004-08   |
| 10        | 61-002-10    | 61-004-10   |
| 12        | 61-002-12    | 61-004-12   |
| 14        | 61-002-14    | 61-004-14   |
|           | 17cm/6 3/4"  | 22cm/8 1/2" |



**Schede**  
17 cm/6¾"



| Fig. |           |
|------|-----------|
| 000  | 61-008-30 |
| 00   | 61-008-20 |
| 0    | 61-008-10 |
| 1    | 61-008-01 |
| 2    | 61-008-02 |
| 3    | 61-008-03 |
| 4    | 61-008-04 |



**Williger**  
17.5 cm/7"



Straight, Oval

|           |
|-----------|
| 61-012-20 |
| 61-012-10 |
| 61-012-01 |
| 61-012-02 |



Straight

| Fig. |           |
|------|-----------|
| 00   | 61-014-20 |
| 0    | 61-014-10 |
| 1    | 61-014-01 |
| 2    | 61-014-02 |



61-017-01

**Uffenorde**  
17 cm/6¾"



61-017-02



Fig. 0  
61-018-10



Fig. 1  
61-018-01



Fig. 2  
61-018-02



Fig. 3  
61-018-03



**Volkman**  
27 cm/10½"



Fig. 1  
61-020-01



Fig. 2  
61-020-02



Fig. 3  
61-020-03



**Simon**  
24 cm/9½"



Fig. 4  
61-020-04



Fig. 5  
61-020-05



Fig. 6  
61-020-06



Fig. 0000  
61-022-40



Fig. 000  
61-022-30



Fig. 00  
61-022-20



Fig. 0  
61-022-10



**Simon**  
24 cm/9½"



Fig. 00  
61-024-20



Fig. 0  
61-024-10



Fig. 1  
61-024-01



Fig. 2  
61-024-02



**Daubenspeck**  
20 cm/8"

## Flexible



**Halle**  
21 cm/8¼"



25 cm/10"



**Bushe**  
25 cm/10"



|        | <b>Volkman</b> |  | <b>Volkman</b> |
|--------|----------------|--|----------------|
| Length | Oval/Oval      |  | Oval/Round     |
| cm in  |                |  |                |
| 13 5"  | 61-038-13      |  | 61-040-13      |
| 14 5½" | 61-038-14      |  |                |
| 16 6¼" |                |  | 61-040-16      |
| 17 6¾" | 61-038-17      |  |                |
| 20 8"  | 61-038-20      |  | 61-040-20      |



**Martini**  
13.5 cm/5"



**Jansen**  
61-046-15  
15 cm/6"



**Jansen**  
61-050-16  
16 cm/6¼"



**Williger**  
13.5 cm/5"



**Jacobson**  
61-058-13  
13 cm/5"



**Janson**  
61-062-15  
15 cm/6"



**Barth**  
61-064-18  
18 cm/7"



61-066-21  
21 cm/8 1/4"



**Epstein**



**Spinal**



**Spinal**

|      |           |           |           |
|------|-----------|-----------|-----------|
| Fig. |           |           |           |
| 000  | 61-069-30 | 61-072-30 | 61-074-30 |
| 00   | 61-069-20 | 61-072-20 | 61-074-20 |
| 0    | 61-069-10 | 61-072-10 | 61-074-10 |
| 1    | 61-069-01 | 61-072-01 | 61-074-01 |
| 2    | 61-069-02 | 61-072-02 | 61-074-02 |
| 3    | 61-069-03 | 61-072-03 | 61-074-03 |
| 4    | 61-069-04 | 61-072-04 | 61-074-04 |
| 5    | 61-069-05 | 61-072-05 | 61-074-05 |
| 6    | 61-069-06 | 61-072-06 | 61-074-06 |
|      | 20 cm/8"  | 20 cm/8"  | 20 cm/8"  |



**Putti**  
61-078-30  
30 cm/12"



**Putti**  
61-080-27  
27 cm/10½"



61-084-25  
25 cm/10"



61-088-24  
24 cm/9½"



61-092-22  
22 cm/8¾"



**Farabeuf**  
61-096-15  
15 cm/6"



**Farabeuf**  
61-098-15  
15 cm/6"



**Farabeuf-Collin**  
61-100-15  
15.5 cm/6"  
11 mm



**Farabeuf-Collin**  
61-102-15  
15.5 cm/6"  
11 mm



**Farabeuf**  
61-104-19  
19 cm/7½"  
13 mm



**Sedillot**  
61-108-18  
18 cm/7"  
18 mm



**Sedillot**  
61-110-21  
21 cm/8¼"  
15 mm



**Langenbeck**  
61-114-19  
19 cm/7½"



**Langenbeck**  
61-116-18  
18 cm/7"



**Lambotte**  
21 cm/8¼"

Width

|           |    |
|-----------|----|
|           | mm |
| 61-120-05 | 05 |
| 61-120-10 | 10 |
| 61-120-15 | 15 |
| 61-120-20 | 20 |
| 61-120-25 | 25 |



**Schneider**  
61-124-17  
13 mm  
17.5 cm/7"



**Schneider-Sauerbruch**  
61-126-19  
13 mm  
19 cm/7½"



**Alexander**  
61-130-20  
20 cm/8"



**Jansen**  
61-134-16  
15 mm  
16.5 cm/6½"



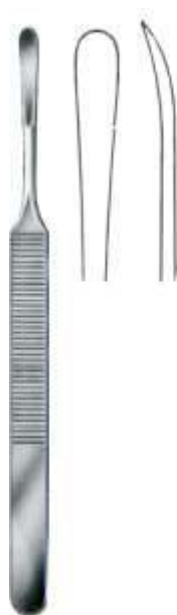
**Seldin**  
61-138-19  
19 cm/7½"



**Davidson-Alexander**  
61-142-29  
29 cm/11½"



**Williger**  
61-146-29  
13 cm/5"



**Konig**  
61-150-15  
15.5 cm/6"  
5 mm



**Williger**  
61-154-16  
16 cm/6¼"



**Adson**  
17 cm/6¾"



61-158-01



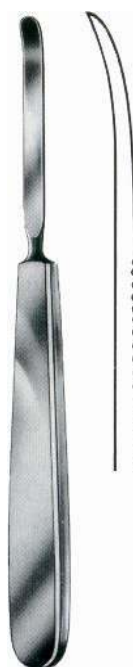
61-158-02



61-158-03



61-158-04



61-162-06  
6 mm

17 cm/6¾"

61-162-08  
8 mm



**Overholt**  
61-166-29  
29.5 cm/11½"



**Overholt**  
61-168-29  
29.5 cm/11½"



**Overholt**  
61-170-28  
28.5 cm/11¼"



**Hylin**  
61-174-03  
14.5 cm/5¾"



61-174-01



61-174-02



61-174-03



**Matson**  
61-178-22  
22 cm/8¾"



**Semb**

61-182-01  
19.5 cm/7½"  
12 mm



61-182-02  
19.5 cm/7½"  
12 mm



61-182-03  
19.5 cm/7½"  
12 mm



61-182-04  
22 cm/8¾"  
13 mm



61-182-05  
21.5 cm/8½"  
13 mm



61-182-06  
22 cm/8½"  
15 mm



61-182-07  
22 cm/8½"  
15 mm



**Doyen**  
17 cm/6¾"



61-186-01



61-186-02



61-188-01



61-188-02



61-190-01



**Doyen**  
24 cm/9½"





61-194-04  
4 mm



61-194-06  
6 mm



61-194-08  
8 mm



**Cobb**  
24 cm/9 1/2"



61-194-10  
10 mm



61-194-13  
13 mm



61-194-19  
19 mm



61-194-25  
25 mm



61-198-01  
19 cm/7½"  
6 mm



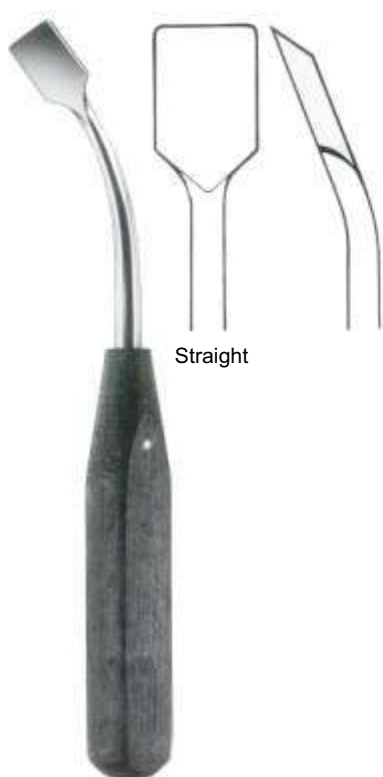
61-199-02  
18.5 cm/7¼"  
3 mm



61-201-03  
18.5 cm/7¼"  
6 mm



61-203-04  
18.5 cm/7¼"  
6 mm



61-206-05  
18.5 cm/7¼"  
13 mm



61-207-06  
19.5 cm/7¾"  
14 mm



61-209-07  
18.5 cm/7¼"  
14 mm



61-211-08  
20 cm/8"  
20 mm



61-214-20  
27.5 cm/10<sup>3</sup>/<sub>4</sub>"  
20 mm

**Wagner**  
8 mm 61-218-08 33 cm/13"  
17 mm 61-218-17 33 cm/13"

**Cobb**  
10 mm 61-222-10 25 cm/10"  
13 mm 61-222-13 25 cm/10"  
19 mm 61-222-19 25 cm/10"  
25 mm 61-222-25 25 cm/10"

**Cobb**  
10 mm 61-224-10 28 cm/11"  
13 mm 61-224-13 28 cm/11"  
19 mm 61-224-19 28 cm/11"



**Hoen**

61-228-07  
16 cm/6¼"  
7 mm

61-228-15  
18.5 cm/7¼"  
15 mm

61-228-20  
19 cm/7½"  
20 mm



**Yankauer**  
61-232-18  
18 cm/7"



**Langenbeck**  
61-236-20  
20 cm/8"  
8 mm



**Langenbeck**  
61-238-20  
20 cm/8"  
10 mm



**Langenbeck**  
61-240-23  
23 cm/9"  
11 mm



**Mass. Gen. Hosp.**  
61-244-15  
15 cm/6"



**Williger**  
61-248-17  
17 cm/6¾"  
5.5 mm



**Williger**  
61-250-16  
16 cm/6¼"



**Quervain**  
61-254-20  
20 cm/8"



61-258-16  
16 cm/6 1/4"



Width

Key

|       |           |              |
|-------|-----------|--------------|
| 6 mm  | 61-262-06 | 19 cm/7 1/2" |
| 12 mm | 61-262-12 | 19 cm/7 1/2" |
| 19 mm | 61-262-19 | 19 cm/7 1/2" |
| 25 mm | 61-262-25 | 19 cm/7 1/2" |



**Konig**  
61-266-15  
15 cm/6"  
4.5 mm



**Konig**  
61-268-15  
15 cm/6"  
4.5 mm



**Alderdyce**  
61-272-21  
21 cm/8 1/4"



**McDonald**  
61-276-19  
19 cm/7 1/2"



**Watson-Cheyne**  
61-280-19  
17.5 cm/7"



**Sebilleau**  
61-284-17  
17 cm/6 3/4"



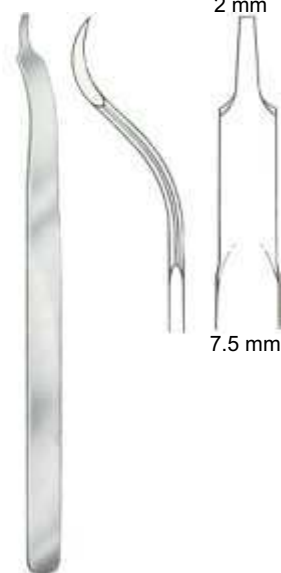
61-288-14  
14 cm/5 1/2"  
2.8 mm



61-288-15  
15 cm/6"  
5 mm

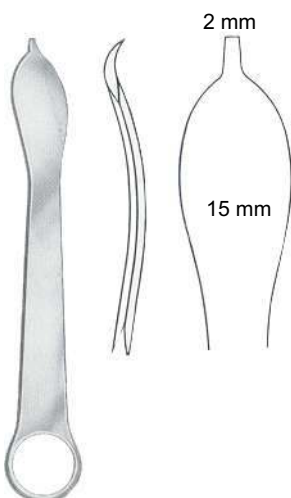


61-290-15  
15 cm/6"  
7 mm



**Buck-Gramcko**  
61-292-15  
15 cm/6"

2 mm  
7.5 mm



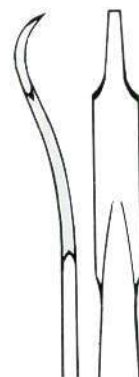
61-296-12  
12.5 cm/5"

2 mm

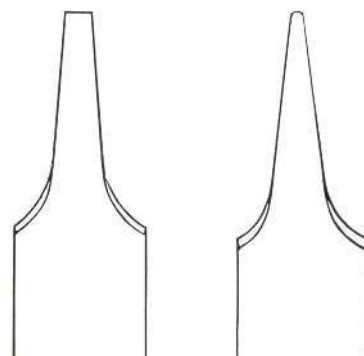
15 mm



**Mini-Hohmann** 61-300-06  
16 cm/6 1/4" 6 mm



61-302-08  
8 mm



61-306-17  
17 mm

61-308-17  
17 mm



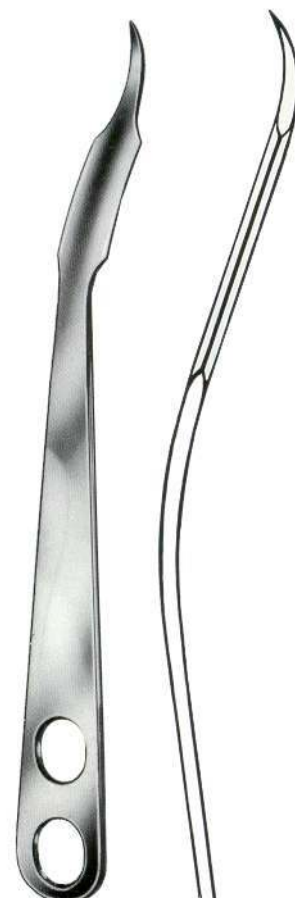
61-304-26  
26.5 cm/10½"  
24 mm



**Lange-Hohmann**  
61-305-26  
26 cm/10¼"  
22 mm



**Hohmann**  
61-308-22  
22 cm/8¾"  
8 mm



**Hohmann**  
61-308-24  
24 cm/9½"  
14mm



**Hohmann**  
61-308-26  
26 cm/10 1/4"  
22 mm

**Hohmann**  
61-308-28  
28 cm/11"  
33 mm

**Hohmann**  
61-310-24  
24 cm/9 1/2"  
43 mm

**Hohmann**  
61-312-24  
24.5 cm/9 3/4"  
43 mm

**Hohmann**  
61-314-24  
24 cm/9 1/2"  
70 mm

**Hohmann**  
61-316-22  
22 cm/8 3/4"  
18 mm

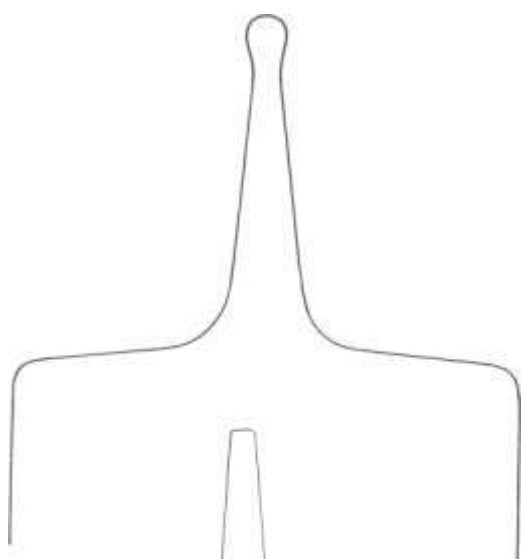


**Lange-Hohmann modif**  
30 mm 61-316-26 26.5 cm/10 <sup>1</sup>/<sub>2</sub>"  
33 mm 61-316-29 29.0 cm/11 <sup>1</sup>/<sub>2</sub>"

**Hohmann-Aldinger**  
61-318-27 27 cm/10 <sup>1</sup>/<sub>2</sub>"

**Schumacher**  
(Wagner)  
61-318-34 34.5 cm/13 <sup>1</sup>/<sub>2</sub>"

**Schumacher**  
61-320-29 29 cm/11 <sup>1</sup>/<sub>2</sub>"



61-322-25  
25.5 cm/10"  
65 mm



61-322-24  
24 cm/9 "  
42 mm



**Verbrugge-Muller**



**Lane Trethowan**  
61-324-21  
21.5 cm/8½"



**Lane**  
61-328-25  
25.5 cm/10"



**Bristow**  
61-332-23  
23 cm/9"



**Murphy-Lane**  
61-336-32  
32 cm/12½"



**Chandler**

| Length | Width |           |
|--------|-------|-----------|
| 18 cm  | 13 mm | 61-340-13 |
| 20 cm  | 19 mm | 61-340-19 |
| 23 cm  | 25 mm | 61-340-23 |
| 25 cm  | 30 mm | 61-340-30 |



**Blount**  
61-344-26  
26 cm/10¼"



**Blount**  
61-346-26  
26 cm/10¼"



**Bennett** 61-350-44 44 mm  
24 cm/9½" 61-350-64 64 mm



Smillie  
14 cm/5½"

61-354-01  
32x19 mm

61-354-02  
48x19 mm

61-354-03  
57x19 mm



61-356-04  
52x13 mm



61-358-05  
12x13 mm

Spinal retractors



61-362-01  
75x30 mm

61-362-02  
100x30 mm

**Taylor**  
17 cm/6½"



61-366-21  
21.5 cm/8½"

Meniscus retractors



**Blount**  
61-370-17  
17.5 cm/7"



**Smillie**  
61-374-17  
17 cm/6¾"



**Smillie**  
61-376-17  
17 cm/6¾"



**Smillie**  
61-378-17  
17 cm/6¾"



**Salenius**  
61-382-22  
22 cm/8¾"



**Salenius**  
61-384-22  
22 cm/8¾"



**Neff**  
61-392-21  
21.5 cm/8½"



**Canad-Modell**  
61-396-01  
20 cm/8"



61-396-02



**Bircher**  
61-402-20  
20.5 cm/8"

61-388-17  
17.5 cm/7"

## Bone Instruments

### Bone Holding Forceps



**Straight**  
61-406-20  
20 cm/8"



**Curved on Falt**  
61-407-20  
20 cm/8"



**Van Buren**  
61-410-23  
23 cm/9"



**Dingmann**  
61-414-19  
19cm/7½"



**Dingmann Modif**  
61-416-19  
19 cm/7½"



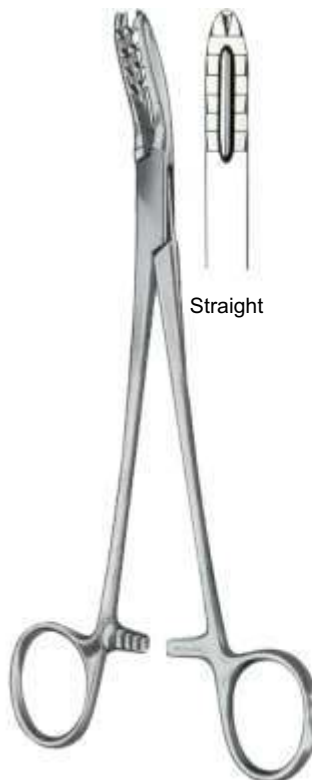
**Neff**  
61-420-21  
21 cm/8¼"



**Martin**  
61-424-19  
19 cm/7½"



**Preston**  
61-428-18  
18 cm/7¼"



**Bircher-Ganske**  
61-432-20  
20 cm/8"



**Bircher-Ganske**  
61-434-20  
20 cm/8"



**Lewin**  
61-438-17  
17.5 cm/7"



**Langenbeck**  
61-442-21  
21 cm/8¼"



**Fergusson**  
61-446-21  
21 cm/8¼"

## Bone Instruments

### Bone Holding Forceps



61-450-16  
16 cm/6¼"  
61-450-24  
24 cm/9½"



| Without Ratchet | Kern |     | With Ratchet |
|-----------------|------|-----|--------------|
|                 | cm   | in  |              |
| 61-454-17       | 17   | 6¾" | 61-456-17    |
| 61-454-21       | 21   | 8¼" | 61-456-21    |



61-460-18  
61-460-23  
61-460-25  
61-460-28



18 cm/07"  
23 cm/09"  
25 cm/10"  
28 cm/11"

61-461-18  
61-461-23  
61-461-25  
61-461-28



**Hey Groves**  
61-464-21 21.0 cm/8 ¼"  
61-464-27 27.0 cm/10 ½"  
61-464-30 30.5 cm/12"



**Semb**  
61-468-19  
19 cm/7 1/2"



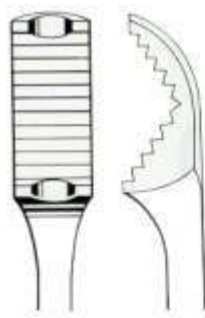
**Semb**  
61-470-19  
19 cm/7 1/2"



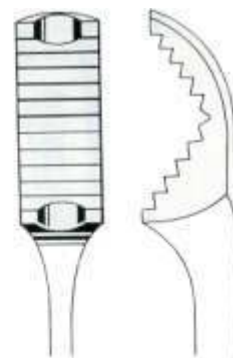
**Verbrugge**  
61-474-17  
17.5 cm/7"



61-478-25  
25 cm/10"



61-478-26  
26 cm/10 1/4"  
**Verbrugge**



61-478-27  
27 cm/10 1/2"

## Bone Instruments

### Bone Holding Forceps and Retractors



61-482-15 15 cm/6"  
61-482-19 19 cm/7 1/2"  
61-482-24 24 cm/9 1/2"  
61-482-26 26 cm/10 1/4"  
61-482-28 28 cm/11"



Handles Detachable

**Percy**  
61-486-30



Adjustable

**Lambotte**  
61-490-22 22 cm/8 3/4"  
61-490-27 27 cm/10 1/2"  
61-490-30 30 cm/12"



**Farabeuf**  
61-494-23 23 cm/9"  
61-494-26 26 cm/10 1/4"



**Lambotte**  
61-498-22 22.5 cm/9"  
61-498-25 25.5 cm/10 1/2"  
61-498-33 33 cm/13 1/2"



**Farabeuf-Lambotte**  
61-502-26  
26 cm/10¼"



**Lambotte**  
61-506-19 19 cm/7½"  
61-506-23 23 cm/9"  
61-506-26 26 cm/10¼"



| Without Ratchet | <b>Lane</b><br>cm in | With Ratchet |
|-----------------|----------------------|--------------|
| 61-510-33       | 33 13"               | 61-514-33    |
| 61-510-45       | 45 17¾"              | 61-514-45    |



61-518-14  
14.5 cm/5¾"



61-522-12  
12 cm/4¾"

## Bone Instruments

### Bone Holding Forceps and Bone Holding Clamps



61-526-13  
13.5 cm/5 1/4"



61-530-20  
20 cm/8"



61-534-17  
17 cm/6 3/4"



Patella Forceps

61-538-17  
17.5 cm/7"



**Lowman-Hoglund**  
61-542-19  
19 cm/7 1/2"



**Lowman**  
61-546-18 18 cm/7"  
61-546-20 20 cm/8"  
61-546-22 22 cm/8 3/4"



**Lowman**  
61-550-12  
12 cm/4 3/4"



Traction Bar

61-554-18  
61-554-50



**Stellbrink**  
17.5 cm/7"



**Bane-Hartmann**  
61-563-17  
17.5 cm/7"



**Mini-Friedmann**  
61-567-12  
12.5 cm/5"



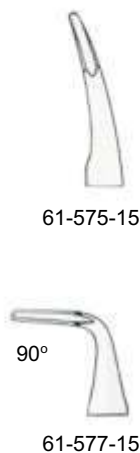
**Friedmann**  
61-571-14  
14 cm/5½"

## Bone Instruments

### Bone Rongeur Forceps



**Friedmann-Delicate**  
15 cm/6"



**Bacon**  
61-580-20  
20 cm/8"



**Cleveland**  
61-583-14 14 cm/5½"  
61-583-17 17 cm/6¾"



**Hartmann**  
61-587-18  
18.5 cm/7¼"



**Olivecrona**  
61-591-20  
20 cm/8"



61-595-16

61-597-16

**Mead**  
16.5 cm/6½"



**Lempert**

|           | cm | in  |           | cm | in  |
|-----------|----|-----|-----------|----|-----|
| Straight  | 16 | 6¼" | Curved    | 16 | 6¼" |
| 61-601-16 |    |     | 61-603-16 |    |     |
| 61-601-19 | 19 | 7½" | 61-603-19 |    |     |



**Beyer**  
61-607-18  
18 cm/7"



61-610-17

61-611-17

**Jansen**  
17.5 cm/7"



61-615-15

61-617-15

61-619-15

**Blumenthal**  
15.5 cm/6"



**Hakansson**  
61-621-15  
15.5 cm/6"

## Bone Instruments

### Bone Rongeur Forceps



**Jansen**  
61-623-18  
18 cm/7"



Straight  
61-626-17

Curved  
61-627-17

**Luer**  
17 cm/6¾"



Heavy Pattern

**Luer**  
18.5 cm/7¼"

Straight  
61-630-18

Curved  
61-631-18



**Luer**  
15 cm/6"



61-635-15

61-637-15

61-639-15



**Adson**  
20 cm/8"



61-642-20



**Kleinert-Kutz**  
15 cm/6"



61-645-15  
2 mm



61-647-15  
3 mm



**Bohler**  
15 cm/6"



61-650-15



61-651-15



**Beyer  
Zaufal-Jansen**  
18 cm/7"



**Zaufal-Jansen**  
61-653-18



**Beyer**  
61-655-18



**Mayfield**  
61-659-17  
17 cm/6¾"



**Ruskin**  
61-663-18  
18 cm/7"  
Angled



Straight  
61-666-18  
18 cm/7"  
61-666-23  
23 cm/9"



**Ruskin**

Curved  
61-667-18  
18 cm/7"  
61-667-23  
23 cm/9"

## Bone Instruments

### Bone Rongeur Forceps



**Marquardt**  
61-671-20  
20 cm/8"



**Rottgen-Ruskin**  
61-675-24  
24 cm/9½"



61-679-03  
3 mm



61-679-04  
4 mm



61-679-05  
5 mm



61-681-03  
3 mm



61-681-04  
4 mm



61-681-05  
5 mm



**Smith-Petersen**  
24 cm/9½"



**Stille-Luer**  
22 cm/8¾"



**Straight**  
61-684-22



**Curved**  
61-685-22



**Stille-Luer**  
27 cm/10½"



61-688-27



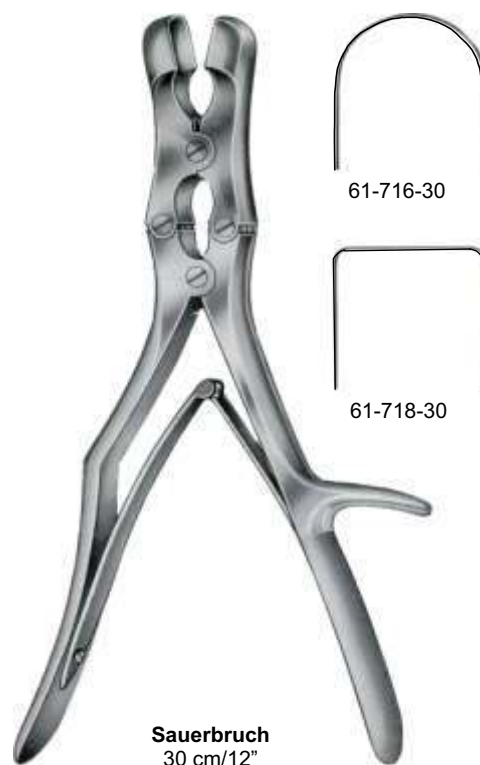
61-689-27



**Semb**  
61-693-23  
23 cm/9"

## Bone Instruments

### Boon Rongeur Forceps





**Markwalder**  
61-721-20  
20 cm/8"



**Straight**  
61-724-14 14  
61-724-17 17  
61-724-19 19  
61-724-22 22



**Liston** in **Curved**  
5½ 61-725-14  
6¾ 61-725-17  
7½ 61-725-19  
8¾ 61-725-22



**Littauer-Liston**  
61-728-15  
15 cm/6"



**Cleveland**  
61-731-15 15 cm/6"  
61-731-17 17 cm/6" ¾"



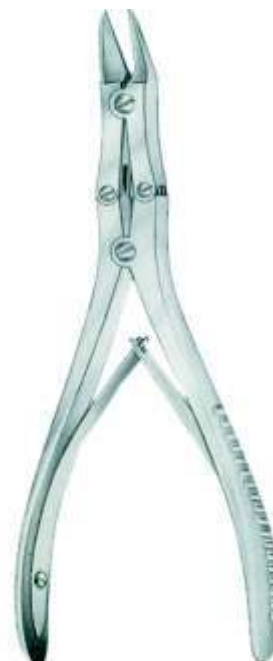
**Bohler**  
15 cm/6"



**Straight**  
61-734-15



**Curved on flat**  
61-735-15



**McIndoe**  
61-739-17  
17.5 cm/7"

# Bone Instruments

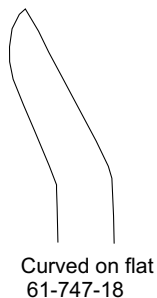
## Bone Cutting Forceps



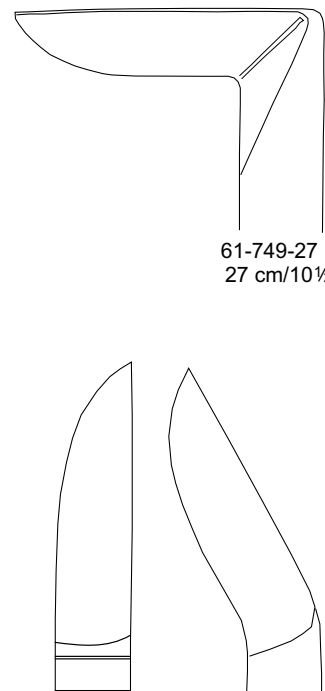
**Kazanjian**  
 61-742-18  
 18 cm/7"



**Ruskin-Liston**  
 18.5 cm/7 1/4"



**Stille-Liston**  
 23 cm/9"  
 27 cm/10 1/2"



61-750-23  
 61-750-27

61-751-23  
 61-751-27

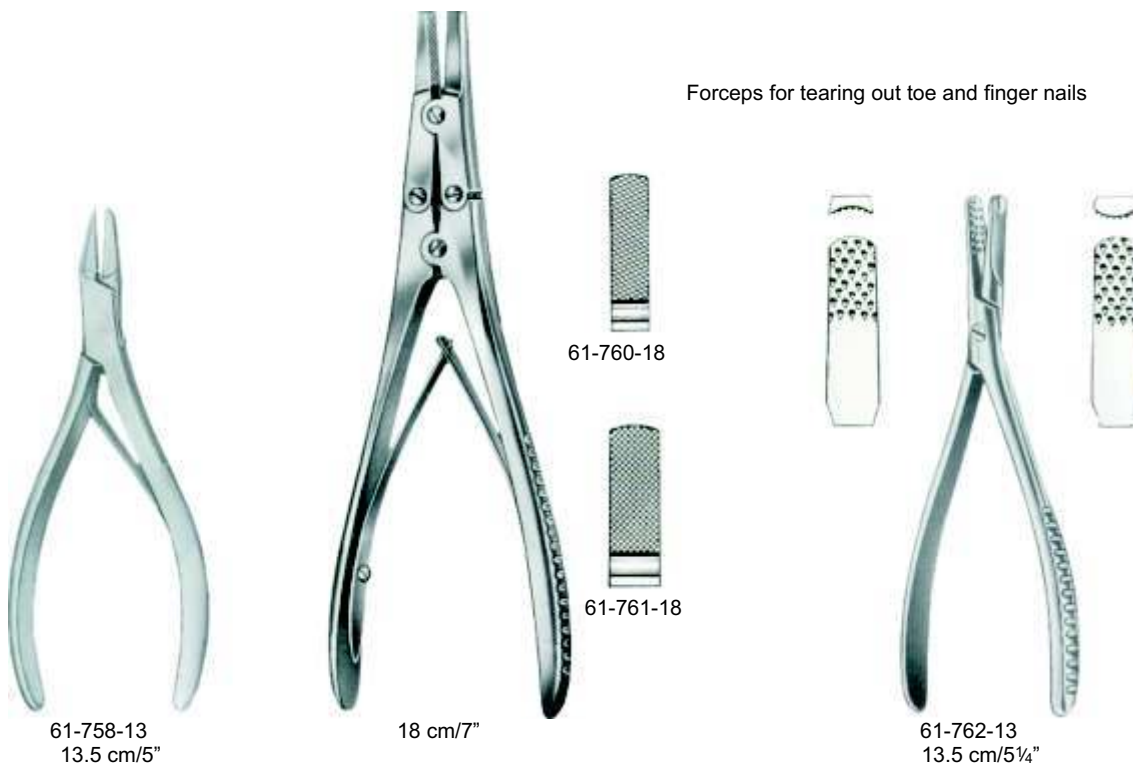


**Liston-Key(Horsley)**  
 61-753-27  
 27 cm/10 1/2"



**Semb**  
 61-755-24  
 24 cm/9 1/2"

Forceps for tearing out toe and finger nails



Saw blade



61-764-17  
17 cm/6 3/4"



61-766-17  
17 cm/6 3/4"

Saw blade

## Bone Instruments

### Amputation and Resection Saws



**Langenbeck**  
61-768-23  
23 cm/9"



**Satterlee**  
61-770-31  
31 cm/12¼"



**Charriere**  
61-772-27 27 cm/10 ½"  
61-772-30 30 cm/12"



**Charriere**

Spare saw blades  
61-774-12 12 mm  
61-774-15 15 mm

Complete with 2 blades  
61-774-35



**Helferich-Bier**

Spare saw blades  
61-776-43 3 mm  
61-776-45 5 mm  
61-776-47 7 mm  
Complete with 3 blades  
61-776-39



Hudson  
61-778-00  
Hand drill, with 4 burrs, fig. 1-4

**Handle, only**  
61-778-10

Conical and spherical burrs, single

Flat trephine

Extension piece



Fig. 1  
61-778-01  
9 mmØ



Fig. 2  
61-778-02  
14 mmØ



Fig. 3  
61-778-03  
16 mmØ



Fig. 4  
61-778-04  
22 mmØ



**Cushing**  
Fig. 5  
61-778-05  
14 mmØ



Fig. 6  
61-778-06

## Bone Instruments

### Drill Guide and Dura Protecting Forceps

Drill guide and dura protecting forceps



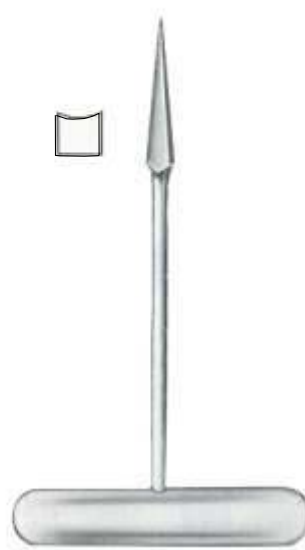
**Adson**  
61-780-15  
15 cm/6"



61-784-14  
14 cm/5½"



**Perthes**  
61-786-21  
21 cm/8¼"



61-788-14  
14 cm/5½"



61-792-14  
14 cm/5½"



61-794-16  
16 cm/6¼"



18cm/7"

**TC**



61-798-01



61-798-02



61-798-03



61-798-04



61-798-05

**TC**



61-802-18 18 cm/7"  
61-802-20 20 cm/8"

**TC**



61-806-16  
15 cm/6"

61-806-20  
20 cm/8"



61-810-16  
15 cm/6"





61-814-13 13 cm/5"  
61-814-18 18 cm/7"



61-818-17  
17 cm/6¾"

TC



61-822-15  
15.5 cm/6"



61-826-17 17 cm/6¾" 61-828-17



61-830-19  
19 cm/7 ½"



For soft wire  
with a diam. of max.

61-834-15  
15 cm/6"  
2.0 mm

61-836-18  
18.5 cm/7¼"  
1.7 mm

61-837-16  
16 cm/6¼"  
2.0 mm

For hard wire  
with a diam. of max.

1.5 mm

1.7 mm

2.0 mm

## Bone Instruments

### Wire Cutting Pliers

**TC**



61-840-12  
0.7 mm  
0.5 mm  
12 cm/4¾"



61-844-15  
2.0 mm  
1.0 mm  
15 cm/6"



61-848-18  
2.0 mm  
1.7 mm  
18 cm/7"



61-852-18  
2.5 mm  
1.5 mm  
18.5 cm/7¼"



|           |           |
|-----------|-----------|
| 61-856-18 | 61-860-22 |
| 2.0 mm    | 3.0 mm    |
| 1.7 mm    | 2.5 mm    |
| 18 cm/7"  | 22 cm/8¾" |



61-864-22  
3.0 mm  
22 cm/8¾"



With 1 Pin

**Bohler**

| cm      | in      |                    |
|---------|---------|--------------------|
| h x b   | h x b   | For Arm            |
| 16 x 9  | 6¼ x 3½ | 61-868-16          |
|         |         | For Thigh and Knee |
| 21 x 11 | 8¼ x 4½ | 61-868-21          |



**Kirschner**

| Clear Width | cm        | in    |
|-------------|-----------|-------|
| 61-872-01   | 9.5x7     | 3¾x2¾ |
| 61-872-02   | 10.5x10.5 | 4¼x4¼ |
| 61-872-03   | 12x12     | 4¾x4¾ |
| 61-872-04   | 15.5x15.5 | 6x6   |
| 61-872-05   | 20x15.5   | 8x6   |



Clear Width

|           | cm    | in      |
|-----------|-------|---------|
| 61-876-18 | 18x10 | 07x04   |
| 61-876-27 | 27x16 | 10½x06¼ |

With 3 Traction Hooks



**Kirschner**

|           |                |
|-----------|----------------|
| 61-880-01 | Small Pattern  |
| 61-880-02 | Medium Pattern |
| 61-880-03 | Large Pattern  |

Screw Nut Wrench

61-884-10  
10 cm/4"

Screw Driver

61-884-12  
12 cm/4¾"

Wire Strainer

61-884-20  
20 cm/8"

Fixation Discs For Drill Wires

61-884-30  
Pair

61-884-40



61-884-42

Fixation Discs

61-884-51  
Pair

Bone Wire Guides



Bone Wire Tighteners

**Loute**  
61-888-00  
21 cm/8¼"



**Demel**

Bone Wire Guides

Fig. 1 61-892-01  
Fig. 2 61-892-02  
Fig. 3 61-892-03

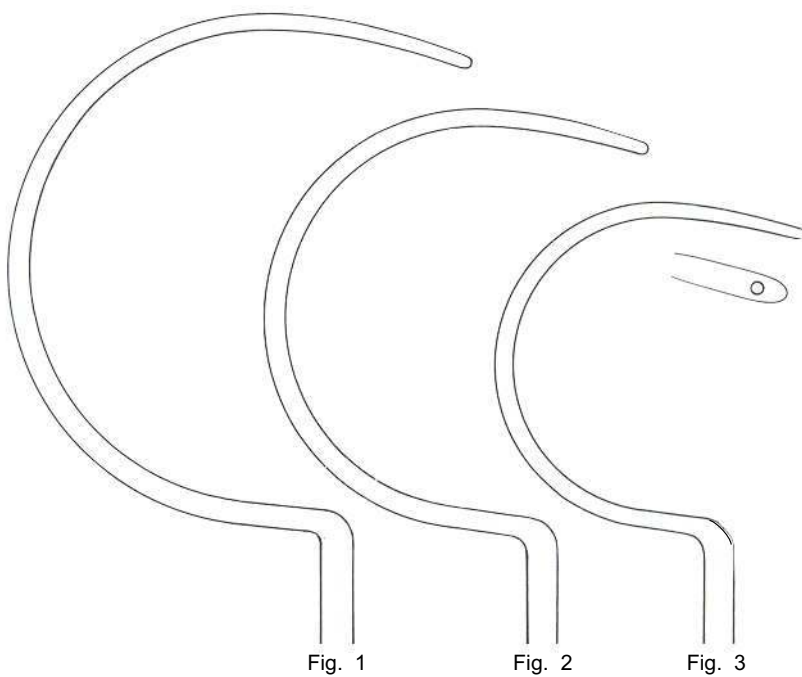


Fig. 1

Fig. 2

Fig. 3

## Bone Instruments

### Mallets



100 g 61-896-10  
350 g 61-896-35  
500 g 61-896-50  
700 g 61-896-70

22 cm/8½"



**Heath**  
61-900-18  
18 cm/7" Ø 40 mm



**Ombredanne**  
61-904-24  
Ø 40 mm  
24 cm/9½"  
550 g



1 Side Flat  
1 Side Convex

**Cottle**  
61-908-19  
Ø 30 mm  
19 cm/7½"  
350 g



**Williger**  
61-912-23  
23 cm/9"  
150 g



**Hajek**  
61-916-21  
Ø 27 mm  
21 cm/8¼"  
140 g

165 g  
Ø 22 mm



**61-920-19**  
19 cm/7½"



Fig. 1 61-924-19 19mm Ø /  
Fig. 2 61-924-25 25mm Ø /

**Lucae**  
19 cm/7½"



**61-928-16**  
16.5 cm/6½"



320 g  
Ø 26 mm

Solid With  
Interchangeable  
Ferozell Jaws

**Mead**  
**61-932-17**  
17 cm/6¾"



280 g

Solid Steel

**Gardner**  
**61-936-14**  
14 cm/5½"



200 g  
22 mm Ø  
(7 oz.)

**Partsch**  
**61-940-18**  
18 cm/7"



**Gerzog**  
**61-944-19**  
19 cm/7½"

## Bone Instruments

### Tendon Seizing Instruments



7 mm Ø



Spare Screw

Tendon Passing Instruments



Malleable

Tendon Strippers



mm Ø  
4.0 61-952-40  
4.5 61-952-45  
5.5 61-952-55  
Flexible Shaft

61-948-34  
34cm/13½"

**Bunnell**

61-950-18 18cm/7"  
61-950-23 23cm/9"

**Bunnell**  
23cm/9"



**Fischer**  
61-956-31  
31 cm/12¼"



**Brand**



61-960-50  
50 cm/19½"  
06 mm Ø



61-962-30  
30 cm/12"  
03 mm Ø



**Brand**  
61-964-50  
50 cm/19½"



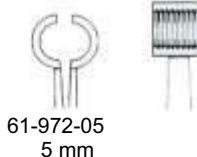
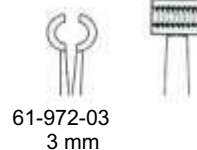
6 x 14 mm



**Steinmann**  
61-968-16  
16 cm/6¼"



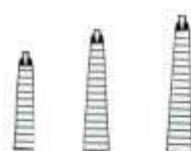
**Larsen**  
10 cm/4"



**Kleinert-Kutz**  
61-976-20  
20 cm/8"



**Brand**  
61-980-15 15 cm/6"  
61-980-19 19 cm/7 ½"  
61-980-24 24 cm/9 ½"



**Brand**  
61-981-15 15 cm/6"  
61-981-19 19 cm/7 ½"  
61-981-24 24 cm/9 ½"



61-984-20



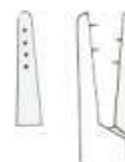
61-985-20



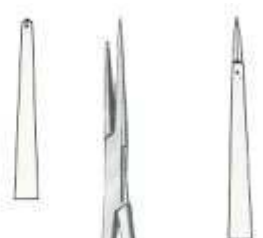
20 cm/8"



**Steinmann**  
61-988-13  
13 cm/5"



**Caroll**  
61-992-11  
11 cm/4½"



61-996-15  
15 cm/6"



61-997-15  
15 cm/6"