



**BRUNS**  
23cm

Fig.1  
09-145-230

Fig.2  
09-146-230

Fig.3  
09-147-230

Fig.4  
09-148-230

Fig.5  
09-149-230

Fig.6  
09-150-230

Fig.7  
09-151-230

Fig.8  
09-152-230

Fig.9  
09-153-230



**SPRATT**

09-154-170  
17 cm  
00000

09-157-170  
17 cm  
00

09-160-170  
17 cm  
2

09-155-170  
17 cm  
0000

09-158-170  
17 cm  
0

09-161-170  
17 cm  
3

09-156-170  
17 cm  
000

09-159-170  
17 cm  
1

09-162-170  
17 cm  
4

09-163-170  
17 cm  
5



**09-164-250**  
25 cm

09-165-250  
3.6 mm

09-166-250  
4.4 mm

09-167-250  
5.2 mm

09-168-250  
6.0 mm



**FIBER HANDLE**  
27 cm

Fig.0  
09-169-270

Fig.2  
09-171-270

Fig.1  
09-170-270

Fig.3  
09-172-270



**SCOVILLE**  
25 cm

09-174-250  
Down Angle

09-173-250  
Straight

09-175-250  
Up Angle



**LUCAS**  
double-ended  
09-176-180  
18 cm

Fig. 1 R/L  
09-177-180

Fig. 2 R/L  
09-178-180

Fig. 3 R/L  
09-179-180

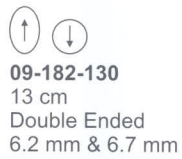
Fig. 4 R/L  
09-180-180



**WILLIGER**  
09-181-133  
13.25 cm  
Double Ended  
00/0



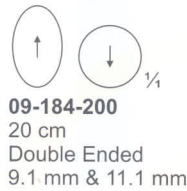
**VOLKMANN**



**09-182-130**  
13 cm  
Double Ended  
6.2 mm & 6.7 mm



**09-183-160**  
16 cm  
Double Ended  
7 mm & 9 mm



**09-184-200**  
20 cm  
Double Ended  
9.1 mm & 11.1 mm



**VOLKMAN**  
09-185-150  
15 cm



**VOLKMAN**  
09-186-200  
200 cm



**VOLKMAN**  
09-187-250  
250 cm



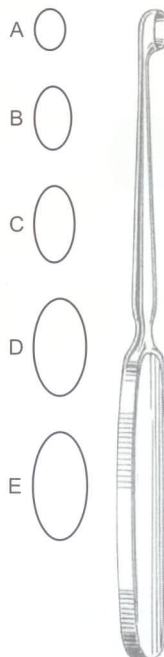
**MARTINI**  
09-188-140  
14 cm



**JANSEN**  
09-189-160  
16 cm



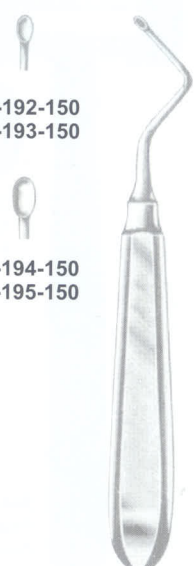
**JANSEN**  
09-190-150  
15 cm



**09-191-160**  
16 cm



**KERPEL**  
09-192-150  
09-193-150  
15 cm



**KERPEL**  
09-194-150  
09-195-150  
15 cm