

11-001-00
wire cable only



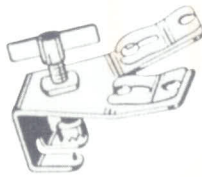
11-002-00
Support only,
flat brain spatulas,



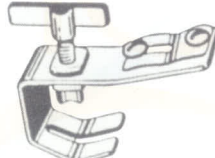
11-003-00
Support only,
for brain spatulas
with round shaft
up to 5.5 mm diam.
Fixing for flexible



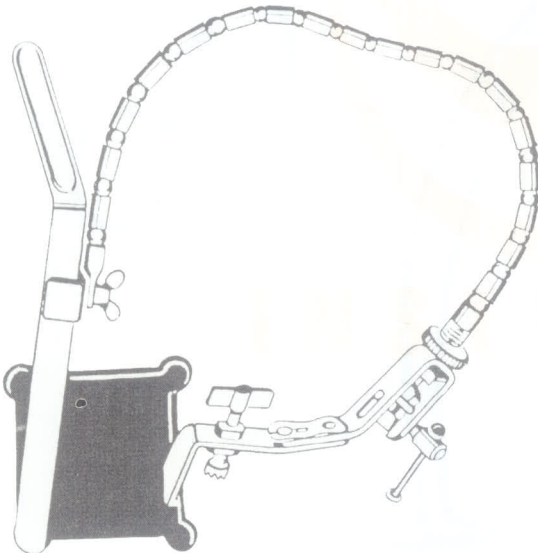
11-004-00
RIECHERT
Fixation base, for skull
mounting, holding 1
flexible arms



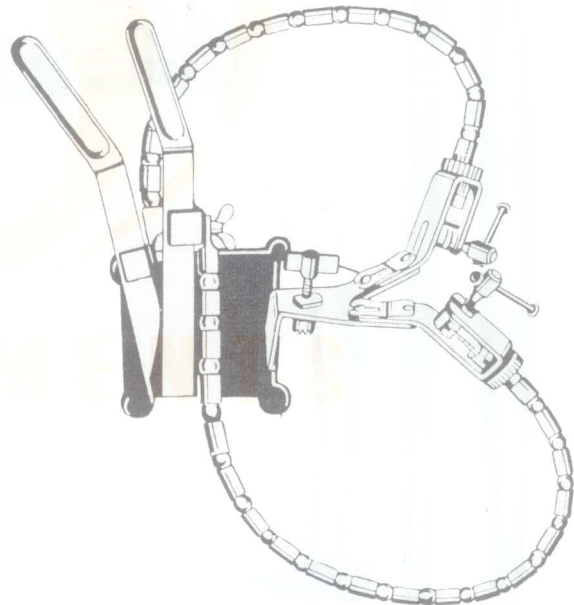
11-005-00
RIECHERT
Fixation base, for skull
mounting, holding 2
flexible arms



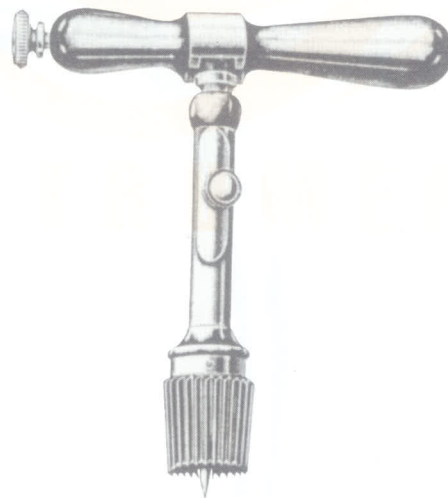
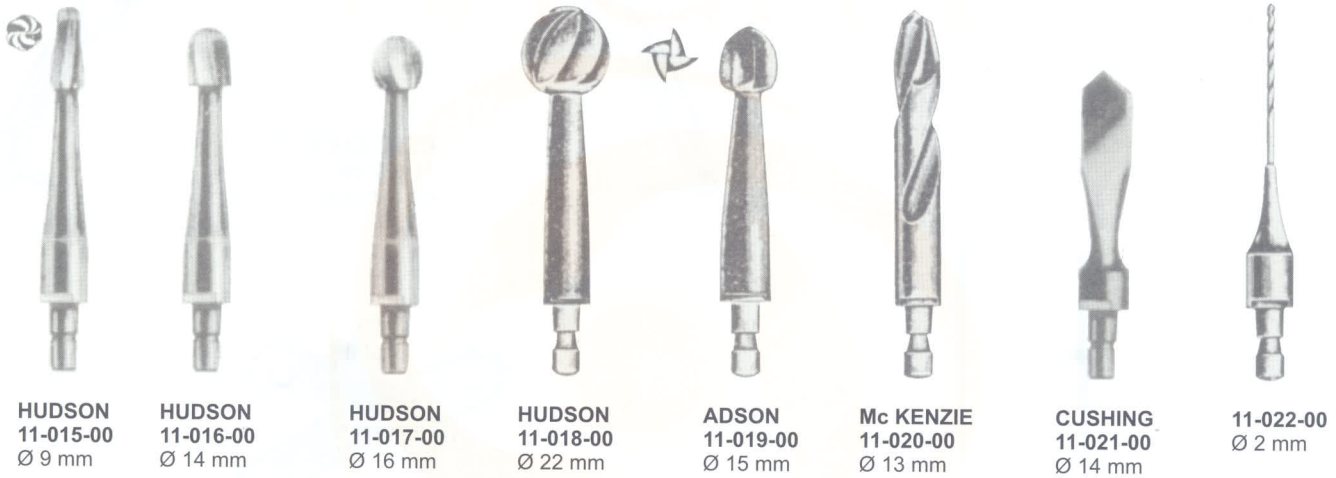
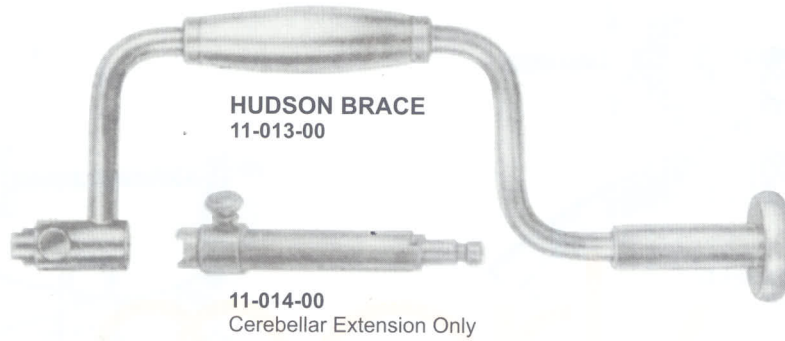
11-006-00
Fixation base, for skull
mounting, holding 1
flexible arms



LEYLA
Self-Retaining Brain Retractor
with 1 flexible arm, complete consisting of
11-007-00
11-008-00
11-009-00

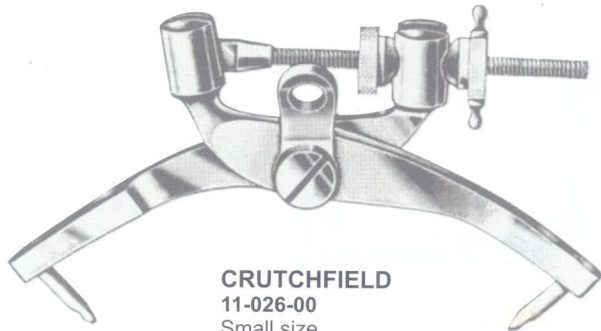


LEYLA
Self-Retaining Brain Retractor
with 2 flexible arms, complete consisting of
11-010-00
11-011-00
11-012-00

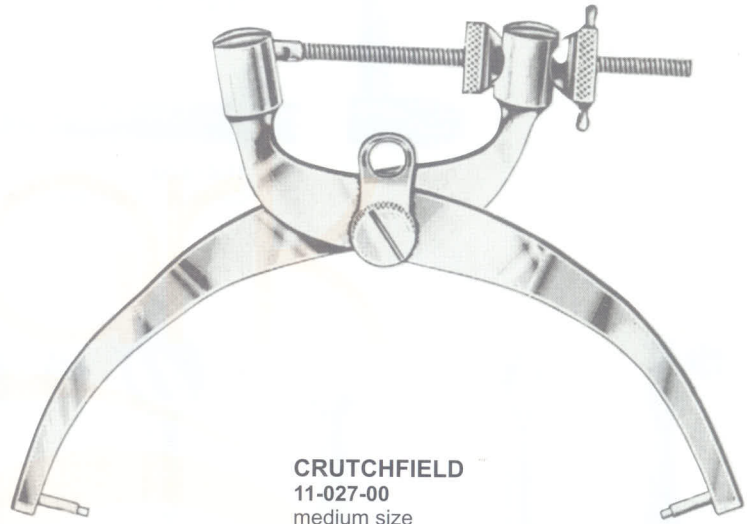


GALT

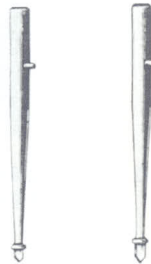
11-023-00	Ø 12,5 mm
11-024-00	Ø 16 mm
11-025-00	Ø 19 mm



CRUTCHFIELD
11-026-00
Small size



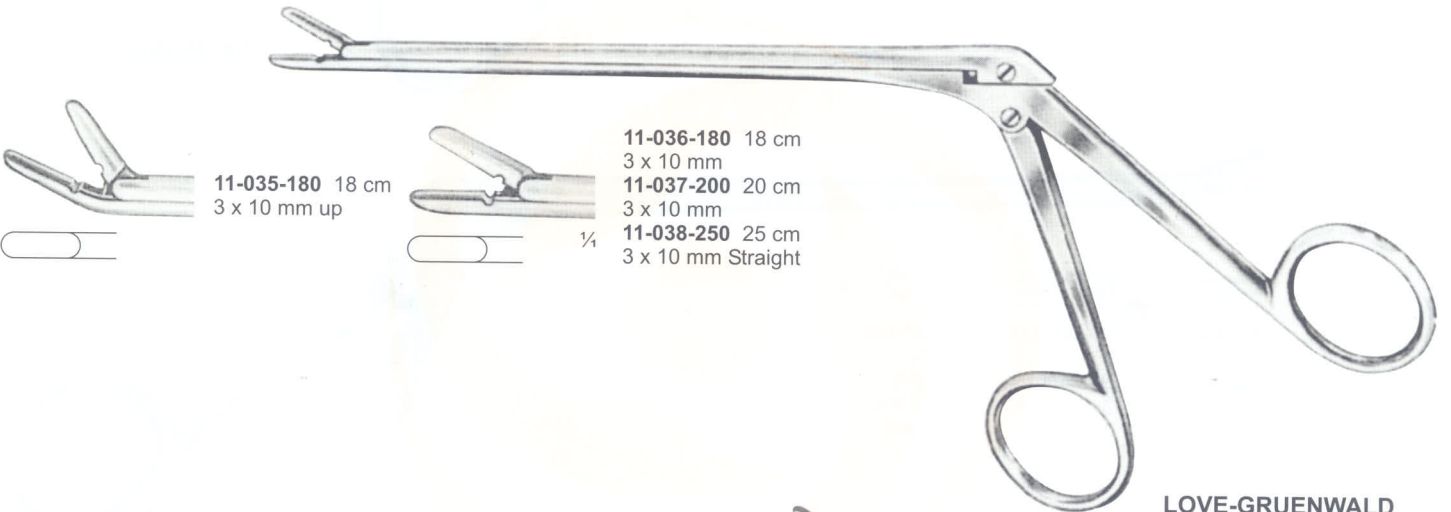
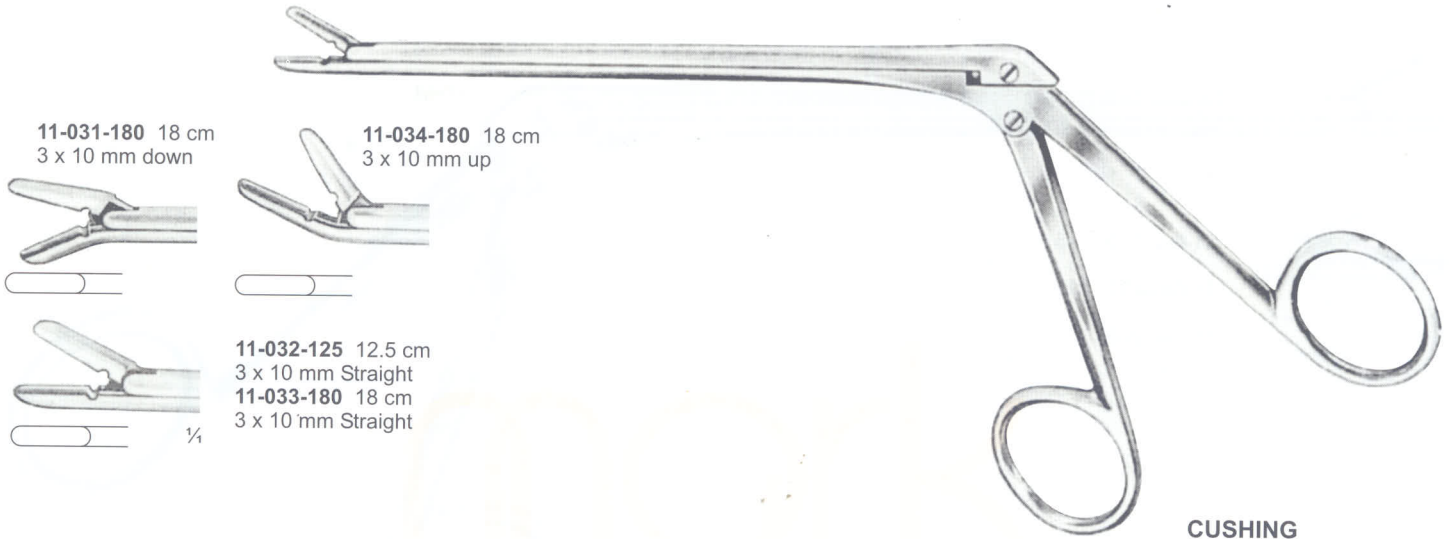
CRUTCHFIELD
11-027-00
medium size



11-028-00 Drill points
11-029-00



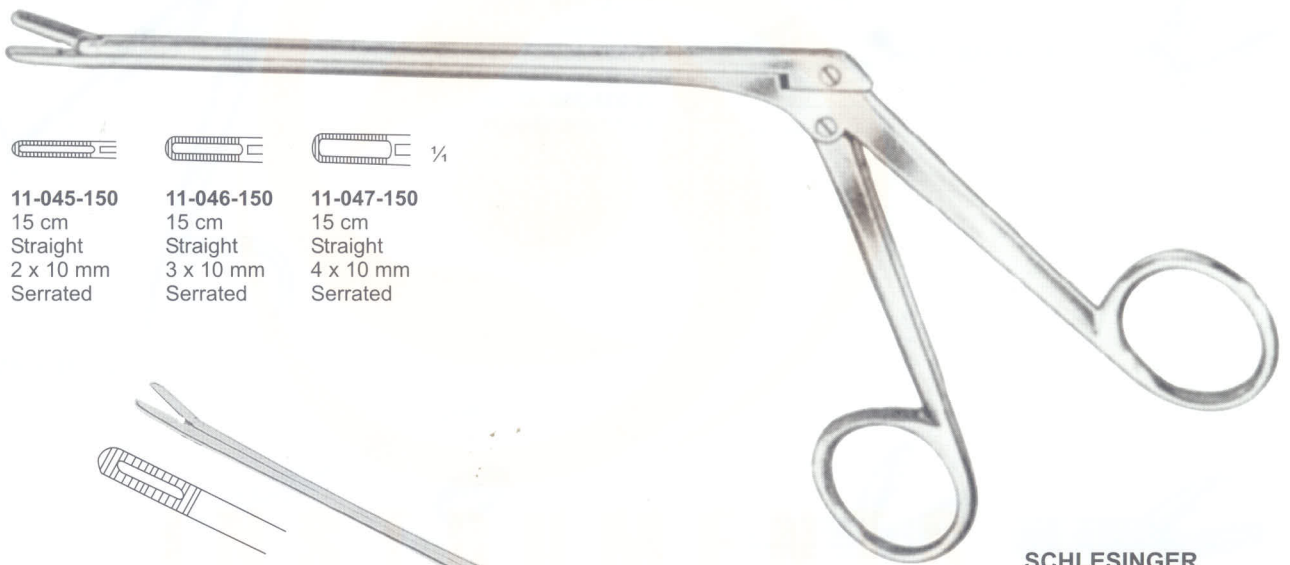
CRUTCHFIELD
11-030-00
Large size





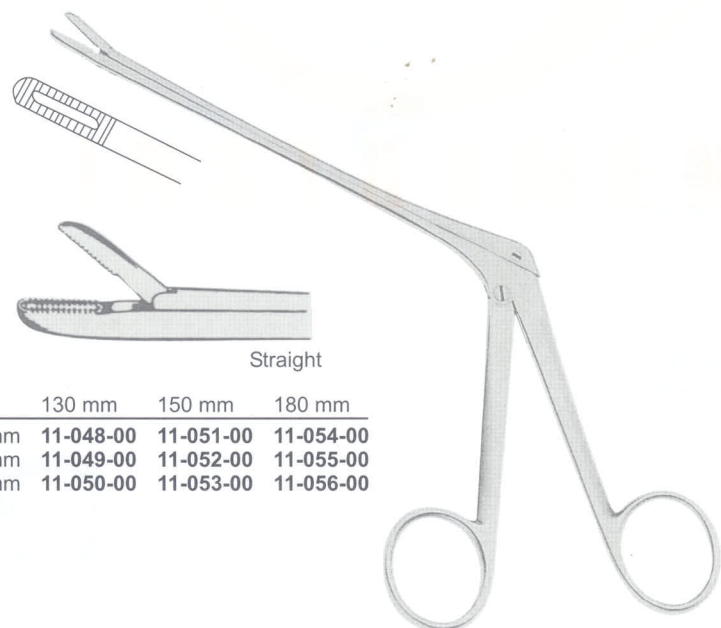
SPURLING

	11-042-150	15 cm
		4 x 10 mm
	11-043-180	18 cm
		4 x 10 mm
	11-044-200	20 cm
	Straight	4 x 10 mm



SCHLESINGER

			1/4
11-045-150	11-046-150	11-047-150	
15 cm	15 cm	15 cm	
Straight	Straight	Straight	
2 x 10 mm	3 x 10 mm	4 x 10 mm	
Serrated	Serrated	Serrated	



SCHLESINGER

Shaft	130 mm	150 mm	180 mm
Bite 2 x 10 mm	11-048-00	11-051-00	11-054-00
Bite 3 x 10 mm	11-049-00	11-052-00	11-055-00
Bite 4 x 10 mm	11-050-00	11-053-00	11-056-00

2.0 mm 3.0 mm 3.5 mm



90°
Up-cutting
Shaft 140 mm
Bite 2.0 mm **11-057-00**
Bite 3.0 mm **11-058-00**
Bite 3.5 mm **11-059-00**



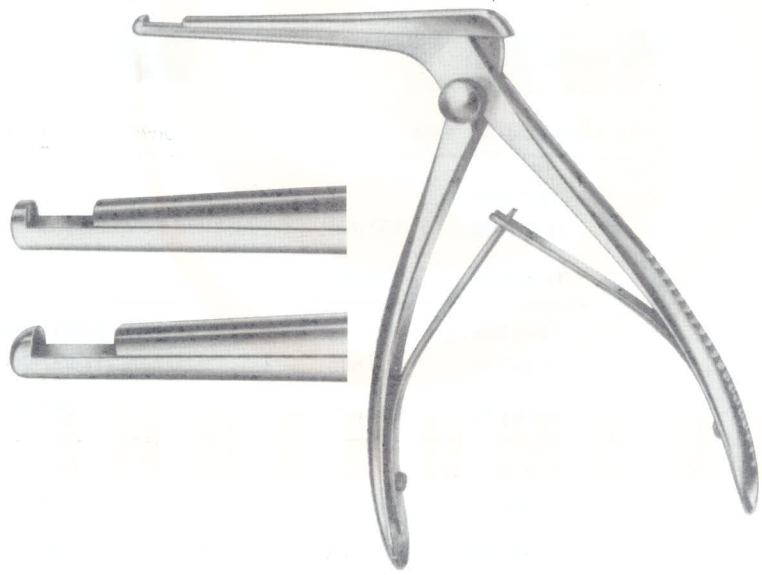
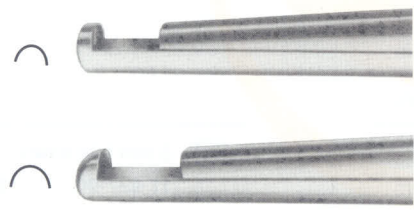
90°
Down-cutting
Shaft 140 mm
Bite 2.0 mm **11-060-00**
Bite 3.0 mm **11-061-00**
Bite 3.5 mm **11-062-00**



HAJEK-KOFLER

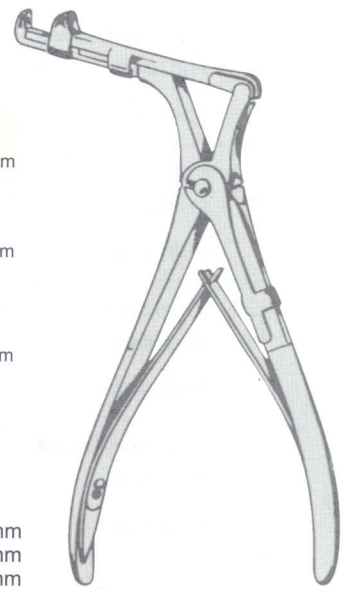
90 mm, 3 1/2"

KERRISON
11-063-00 4.5 mm
11-064-00 5.2 mm
90°
upwards cutting



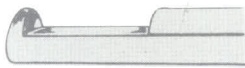
1.0 mm
2.5 mm
4.0 mm

CITELLI
11-065-00 1.0 mm
11-066-00 2.5 mm
11-067-00 4.0 mm





LOVE-KERRISON
LAMINECTOMY PUNCH




Forward 90° Regular Footplate

	2 mm bite forward	
	11-068-00	150 mm
	11-069-00	200 mm

	3 mm bite forward	
	11-070-00	150 mm
	11-071-00	200 mm

	4 mm bite forward	
	11-072-00	150 mm
	11-073-00	200 mm


	5 mm bite forward	
	11-074-00	150 mm
	11-075-00	200 mm

	6 mm bite forward	
	11-076-00	150 mm
	11-077-00	200 mm



Up 40° Regular footplate

	2 mm bite up	
	11-078-00	150 mm
	11-079-00	200 mm

	3 mm bite up	
	11-080-00	150 mm
	11-081-00	200 mm


	4 mm bite up	
	11-082-00	150 mm
	11-083-00	200 mm


	5 mm bite up	
	11-084-00	150 mm
	11-085-00	200 mm


	6 mm bite up	
	11-086-00	200 mm



Down 90° Regular footplate

	3 mm bite down	
	11-087-00	150 mm
	11-088-00	200 mm

	4 mm bite down	
	11-089-00	150 mm
	11-090-00	200 mm

	5 mm bite down	
	11-091-00	150 mm
	11-092-00	200 mm



KERRISON PUNCH



Forward 90°

□	1 mm bite forward	
	11-093-00	150 mm
	11-094-00	180 mm
	11-095-00	200 mm

□	2 mm bite forward	
	11-096-00	150 mm
	11-097-00	180 mm
	11-098-00	200 mm

□	3 mm bite forward	
	11-099-00	150 mm
	11-100-00	180 mm
	11-101-00	200 mm

□	4 mm bite forward	
	11-102-00	150 mm
	11-103-00	180 mm
	11-104-00	200 mm

□	5 mm bite forward	
	11-105-00	150 mm
	11-106-00	180 mm
	11-107-00	200 mm



Up 40°

□	1 mm bite up	
	11-108-00	180 mm

□	2 mm bite up	
	11-109-00	180 mm

□	3 mm bite up	
	11-110-00	180 mm

□	4 mm bite up	
	11-111-00	180 mm

□	5 mm bite up	
	11-112-00	180 mm



Down 90°

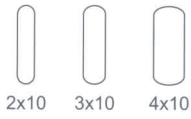
□	1 mm bite down	
	11-113-00	180 mm

□	2 mm bite down	
	11-114-00	180 mm

□	3 mm bite down	
	11-115-00	180 mm

□	4 mm bite down	
	11-116-00	180 mm

□	5 mm bite down	
	11-117-00	180 mm



Straight Shaft	130 mm	180 mm
Bite 2 x 10 mm	11-118-00	11-121-00
Bite 3 x 10 mm	11-119-00	11-122-00
Bite 4 x 10 mm	11-120-00	11-123-00



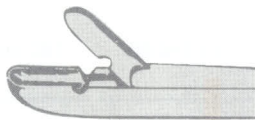
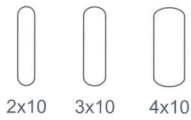
Angled - up Shaft	130 mm	180 mm
Bite 2 x 10 mm	11-124-00	11-127-00
Bite 3 x 10 mm	11-125-00	11-128-00
Bite 4 x 10 mm	11-126-00	11-129-00



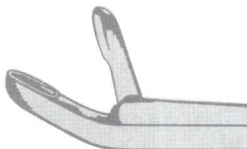
Angled - down Shaft	130 mm	180 mm
Bite 2 x 10 mm	11-130-00	11-133-00
Bite 3 x 10 mm	11-131-00	11-134-00
Bite 4 x 10 mm	11-132-00	11-135-00



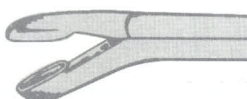
**CUSHING
LOVE - GRUENWALD
SPURLING**



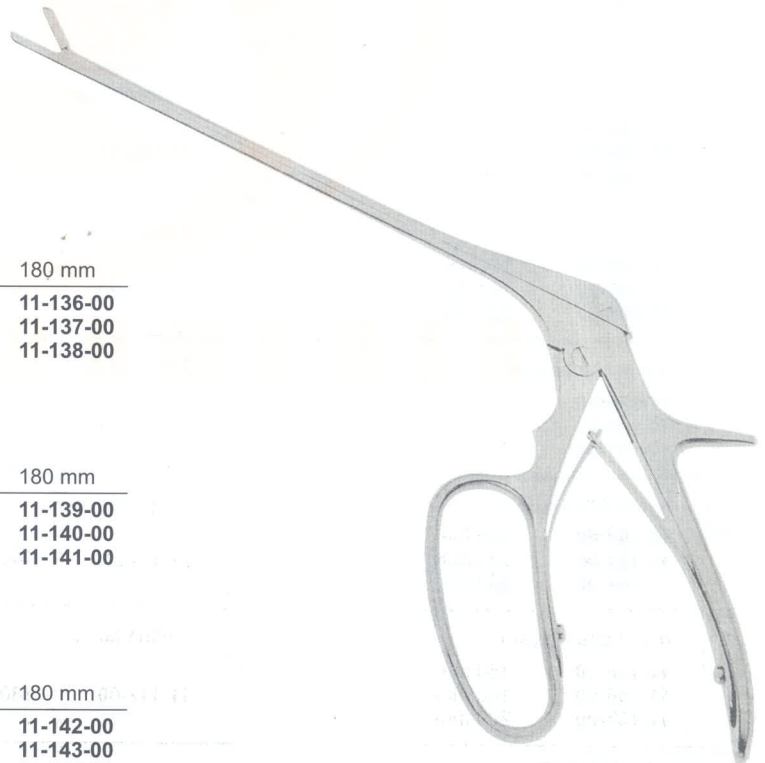
Straight Shaft	180 mm
Bite 2 x 10 mm	11-136-00
Bite 3 x 10 mm	11-137-00
Bite 4 x 10 mm	11-138-00



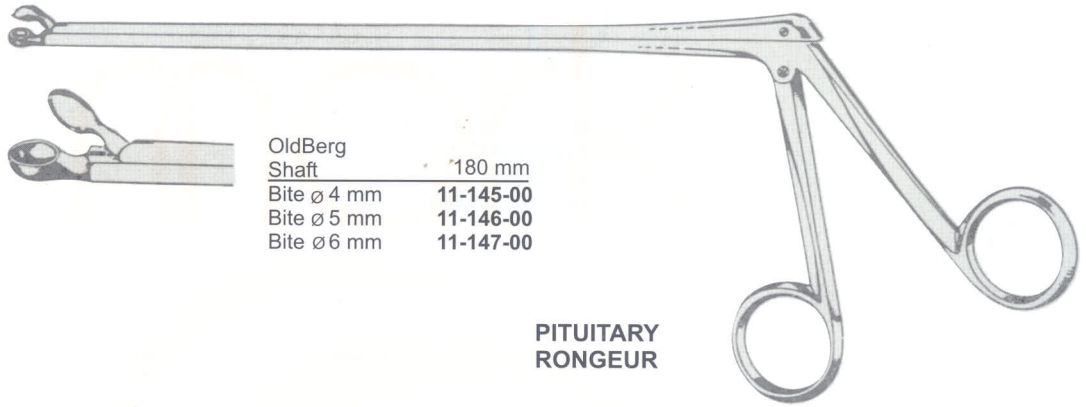
Angled - up Shaft	180 mm
Bite 2 x 10 mm	11-139-00
Bite 3 x 10 mm	11-140-00
Bite 4 x 10 mm	11-141-00



Angled - down Shaft	180 mm
Bite 2 x 10 mm	11-142-00
Bite 3 x 10 mm	11-143-00
Bite 4 x 10 mm	11-144-00



FERRIS - SMITH



OldBerg
 Shaft 180 mm
 Bite \varnothing 4 mm 11-145-00
 Bite \varnothing 5 mm 11-146-00
 Bite \varnothing 6 mm 11-147-00

PITUITARY RONGEUR



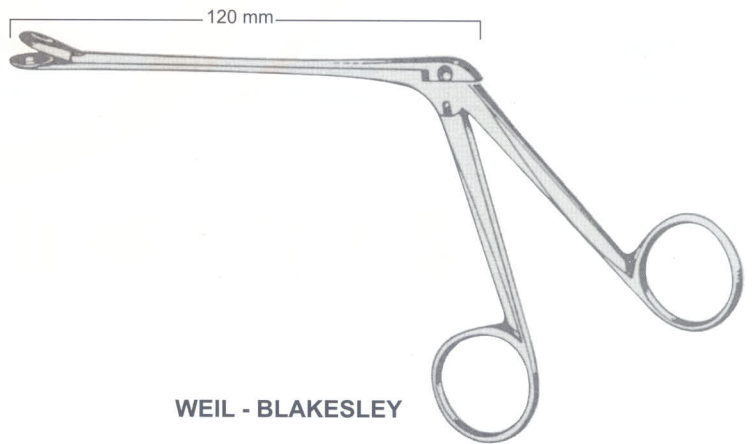
11-148-00
3.0 mm

11-149-00
3.6 mm

11-150-00
4.2 mm

11-151-00
4.8 mm

11-152-00
5.8 mm



WEIL - BLAKESLEY



Working length 14 mm

**MICRO GRASPING
FORCEPS**
11-153-00
serrated, straight



**MICRO ALLIGATOR
SCISSORS**
11-154-00
straight



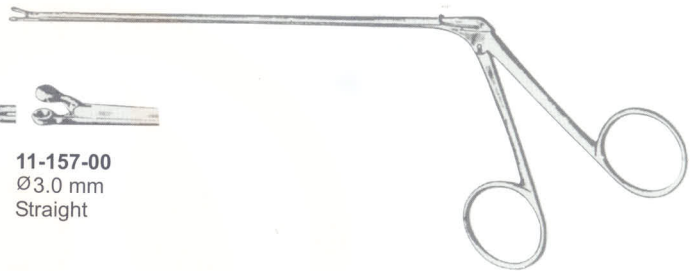
11-155-00
Ø1.0 mm
Straight



11-156-00
Ø2.0 mm
Straight



11-157-00
Ø3.0 mm
Straight



**MIRCO CUP
FORCEPS**



11-158-00
Ø1.0 mm
angled up



11-159-00
Ø2.0 mm
curved to right



11-160-00
Ø3.0 mm
curved to left



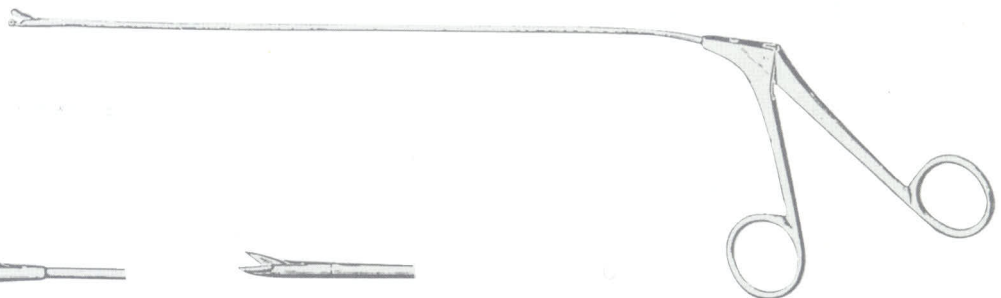
11-161-180
Grasping Forceps
Ø3 mm



11-162-180
Cup Forceps
Ø2 mm



11-163-180
Alligator Scissors
Ø2 mm



**MICRO ALLIGATOR
FORCEPS**
with tubular shaft 18 cm



SCOVILLE
11-164-300
30 cm



SCOVILLE
11-165-300
30 cm



SCOVILLE
11-166-300
30 cm



DAVIS
11-167-190
4 mm, 19 cm



SACHS
11-168-200
3 mm, 20 cm



SACHS
11-169-200
6 mm, 20 cm



FRAZIER
11-170-125
12.5 cm



GILLIES
19 cm



11-171-190
Small



11-172-190
large



11-173-130
Straight
13 cm



LAHEY CLINIC
11-174-130
13 cm



SACHS
11-175-185
18.5 cm



11-176-160
16 cm

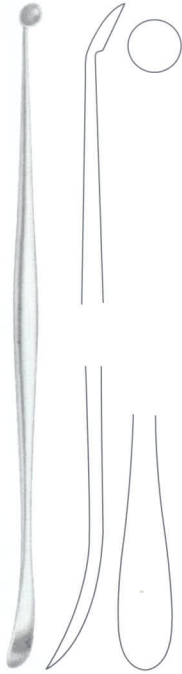


TOENNIS
11-177-150
15 cm



DURA TWIST HOOK
11-178-140 14 cm

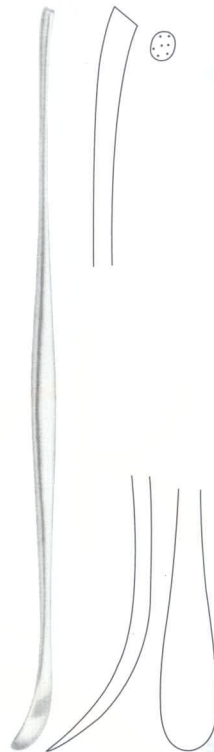
Penfield



11-179-180
18 cm
Straight



11-180-200
20 cm
Straight



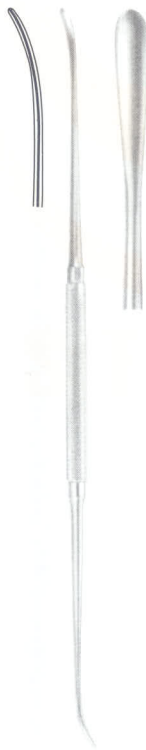
11-181-200
20 cm
Straight



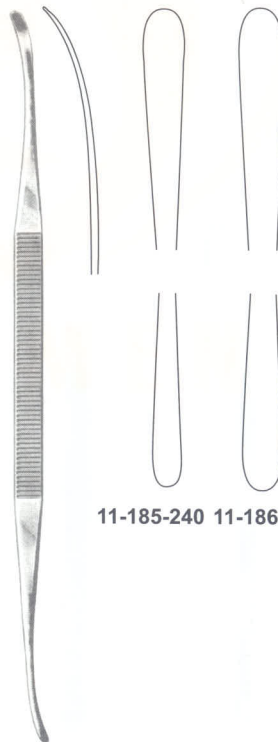
11-182-220
22 cm
Straight



11-183-290
29 cm
Straight

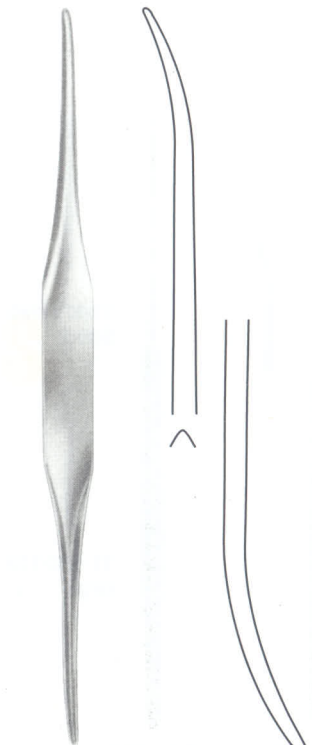


DAVIS
11-184-245
24.5 cm



11-185-240 **11-186-240**

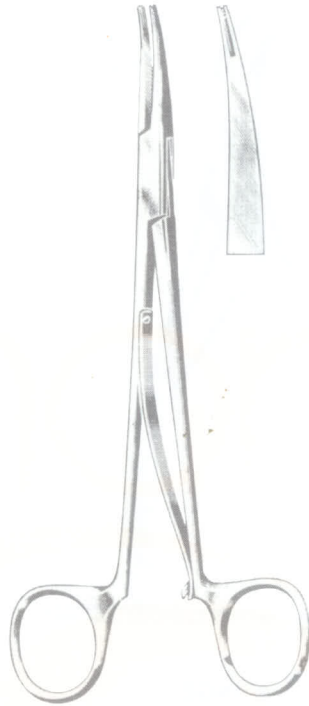
TONNIS
11-185-240 24 cm
11-186-240 24 cm



TONNIS
11-187-240
24 cm



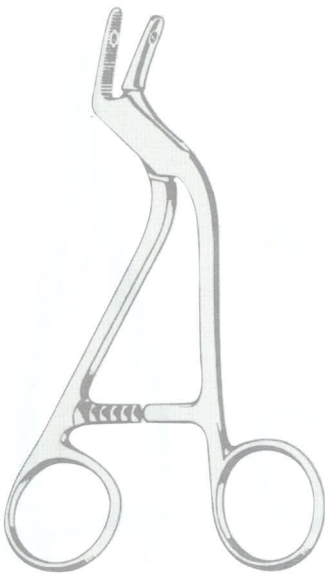
Mc KENZIE
11-188-150
15 cm



Mc KENZIE
11-189-180
18 cm



RANEY
11-190-160
16 cm



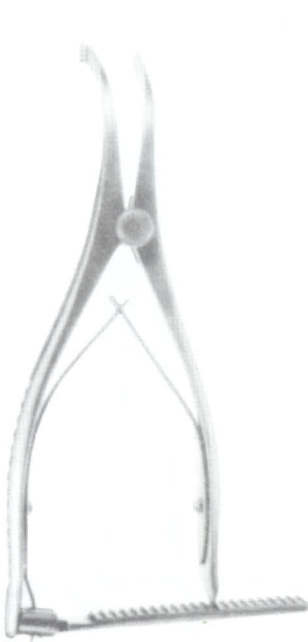
ADSON
11-191-150
15 cm
Drill Guide and
Dura Protector



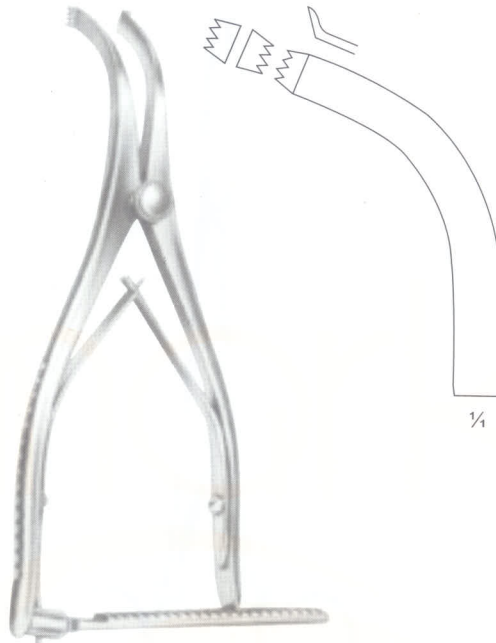
CONE
11-192-200 20 cm
11-193-230 23 cm
Skull Punch



DEVIBISS
11-194-210
21 cm
complete with 1 small and
1 large blade



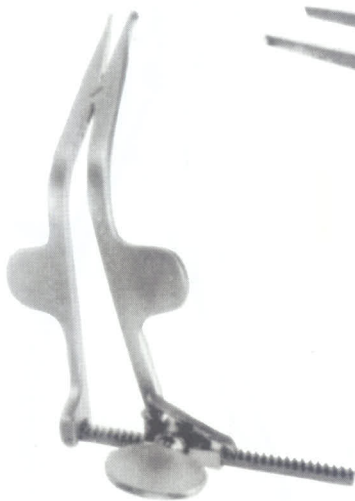
INGE
11-195-160
16 cm
Small pattern



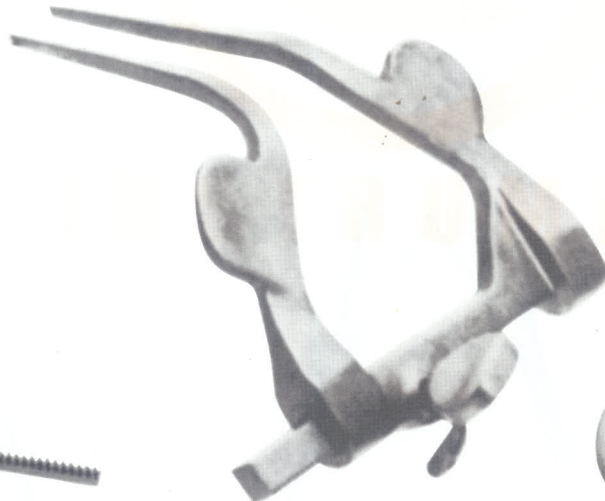
INGE
11-196-170
17 cm



INGE, 26 cm
11-197-260 Jaw width 5 mm
11-198-260 Jaw width 10 mm
large pattern



CLOWARD
11-199-130
13 cm



LUMBAR LAMINA SPREADER
11-200-00
arm length: 87.5 mm
spread: 37.5 mm



CLOWARD
11-201-160
16 cm



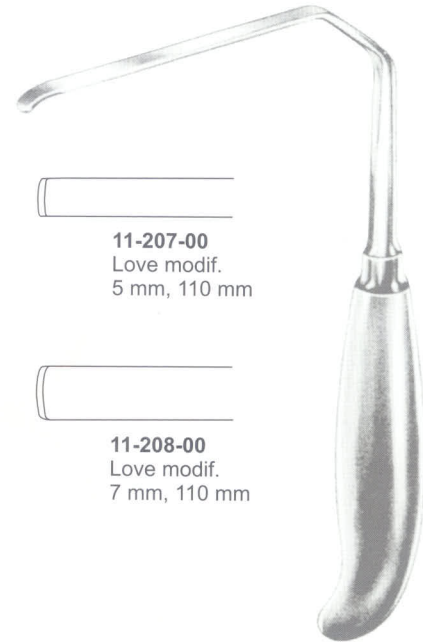
11-202-140
14 cm



LOVE NERVE

21 cm
7 mm width x 5 mm depth

- A 11-203-210 Straight blade
- B 11-204-210 blade angled 45° degrees
- C 11-205-210 blade angled 90° degrees



11-207-00

Love modif.
5 mm, 110 mm

11-208-00

Love modif.
7 mm, 110 mm

LOVE MODIF.

11-206-00
4 mm, 100 mm



HOLSHER NERVE RETRACTOR

11-209-230 23 cm angled 7 mm blade
11-210-230 9 mm blade



NERVE ROOT RETRACTOR

11-211-00 6 mm blade
11-212-00 9 mm blade
Offset 225 mm



SCOVILLE NERVE ROOT RETRACTOR

11-213-230 8 mm blade
11-214-230 13 mm blade
23 cm angled