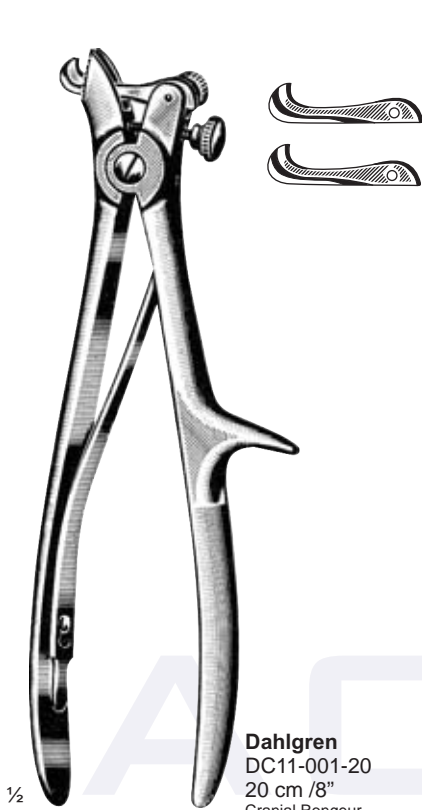
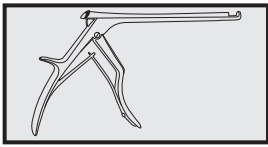


11

Neuro Surgery



Instruments for Cranial Opening



Dahlgren
DC11-001-20
20 cm / 8"
Cranial Rongeur
Forceps, with
2 spare hooks

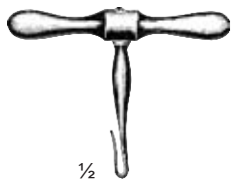


De Vilbiss
DC11-003-21
21 cm / 8 1/4"
Cranial Rongeur Forceps,
with 1 hook each small
and large



Olivecrona
Wire Saws, 4 wires braided,
untearable

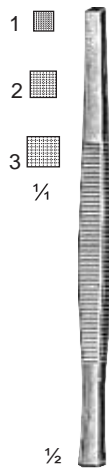
cm	in.	
30	12	DC11-005-30
40	16	DC11-005-40
50	20	DC11-005-50
60	24	DC11-005-60
70	28	DC11-005-70



DC11-007-01
Hook Handle for wire saws



Martal
DC11-009-33
33 cm / 13"
Conductors for wire saws

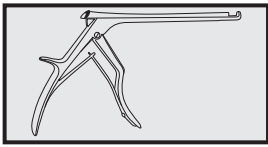


Passow
DC11-011-12 = Fig. 1
DC11-013-12 = Fig. 2
DC11-015-12 = Fig. 3
12 cm / 4 3/4"
Haemostatic Chisel

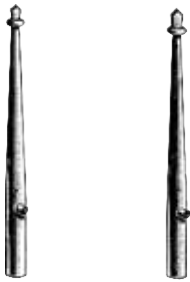


DC11-017-01
Cervical Traction Tongs,
for extension of the
neck vertebrae, large size,
DC11-017-10
Spare pin only

Lamina Spreaders

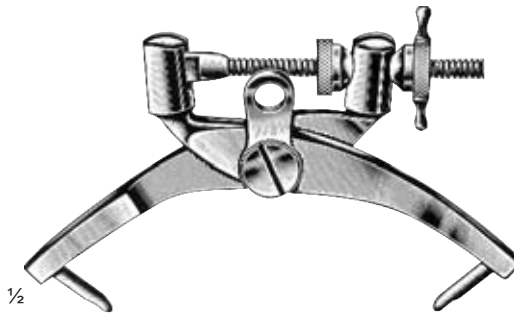


Drill points for Cervical Traction Tongs



DC11-019-04
3.5 mm ø

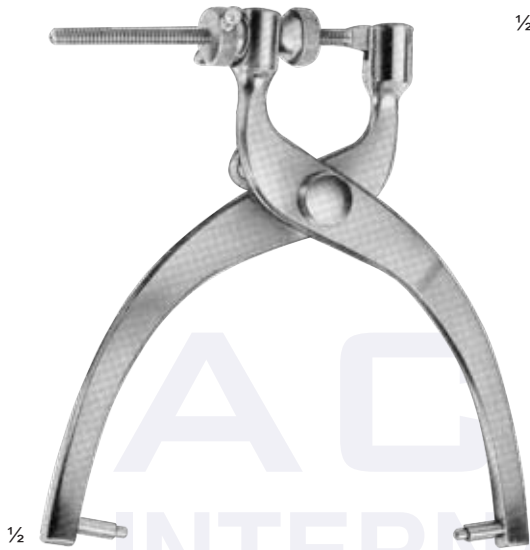
DC11-019-05
5 mm ø



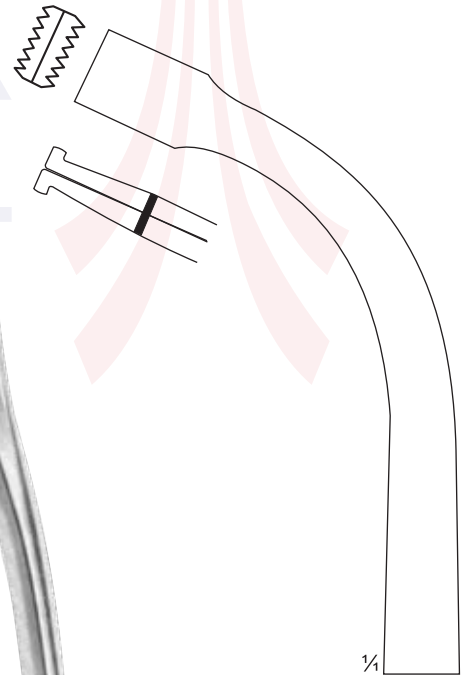
Crutchfield
DC11-019-01
Cervical Traction Tongs, small size



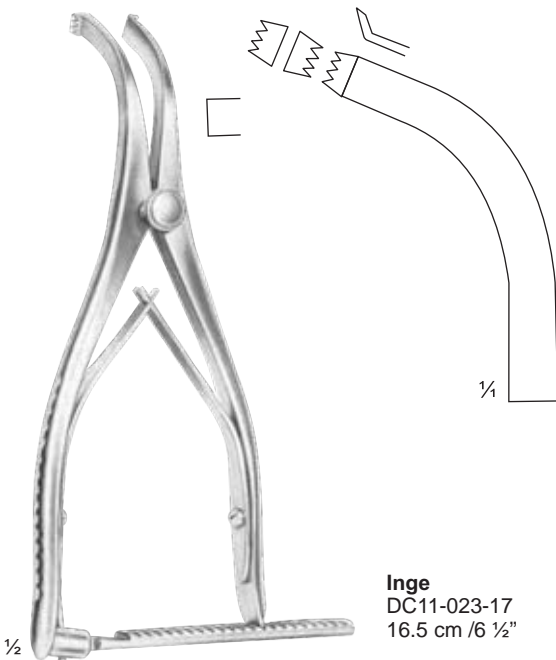
Cloward
DC11-021-16
16 cm / 6 1/2"



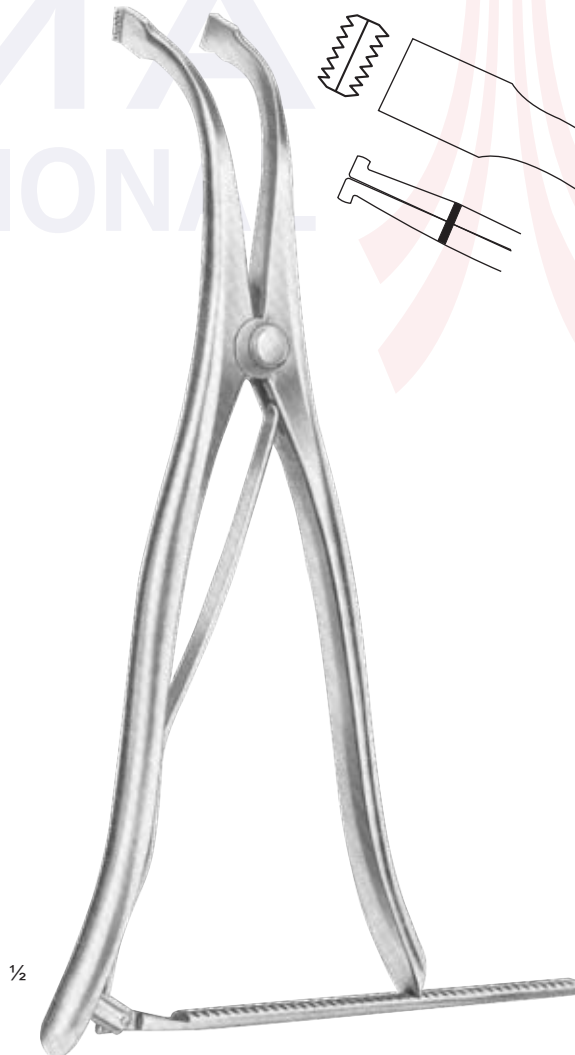
Crutchfield
DC11-019-02
Cervical Traction Tongs, medium size

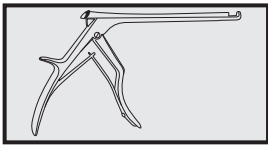


Inge
DC11-025-27
27 cm / 10 3/4"

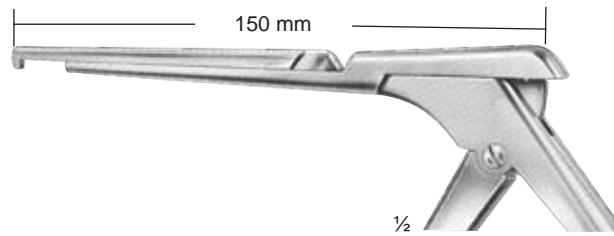


Inge
DC11-023-17
16.5 cm / 6 1/2"

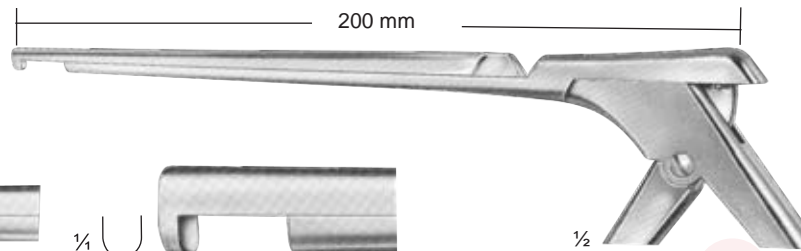




Intervertebral Disc Rongeurs

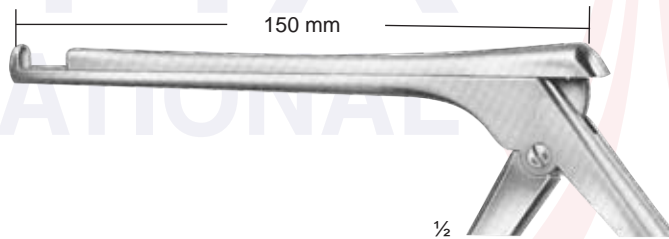


Colclough
DC11-027-03
DC11-027-05

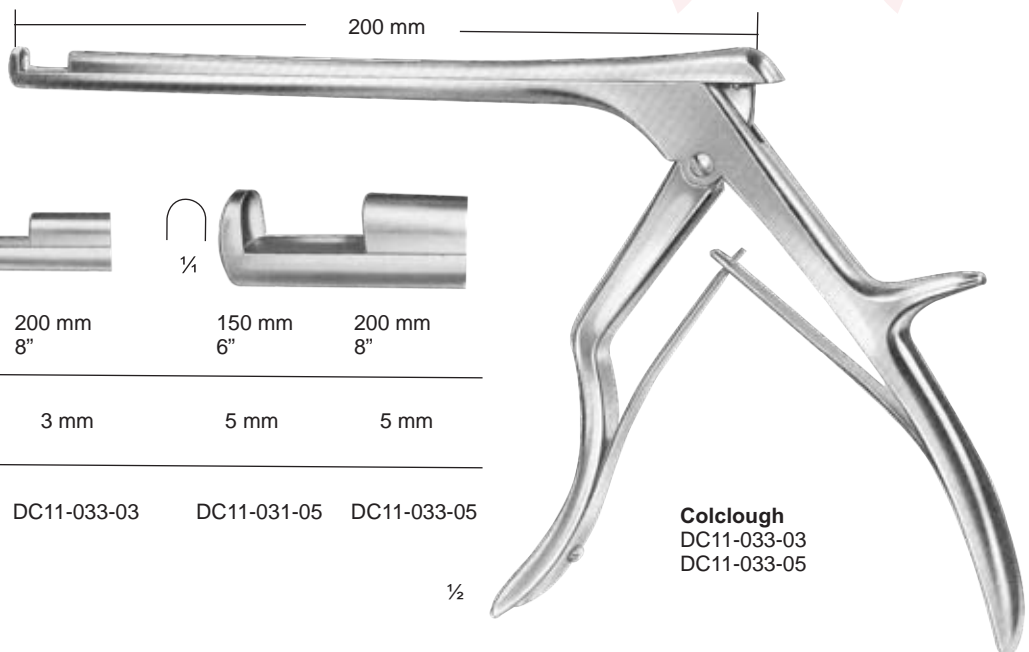


Colclough
DC11-029-03
DC11-029-05

Length of shaft	150 mm 6"	200 mm 8"	150 mm 6"	200 mm 8"
Width of bite	3 mm	3 mm	5 mm	5 mm
Cat. Ref.	DC11-027-03	DC11-029-03	DC11-027-05	DC11-029-05



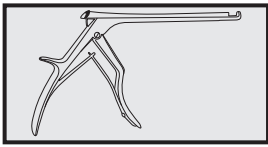
Colclough
DC11-031-03
DC11-031-05



Colclough
DC11-033-03
DC11-033-05

Length of shaft	150 mm 6"	200 mm 8"	150 mm 6"	200 mm 8"
Width of bite	3 mm	3 mm	5 mm	5 mm
Cat. Ref.	DC11-031-03	DC11-033-03	DC11-031-05	DC11-033-05

Intervertebral Disc Rongeurs



cutting upward

Width of bite	Cat. Ref.
2 mm	DC11-035-02
3 mm	DC11-035-03
5 mm	DC11-035-05



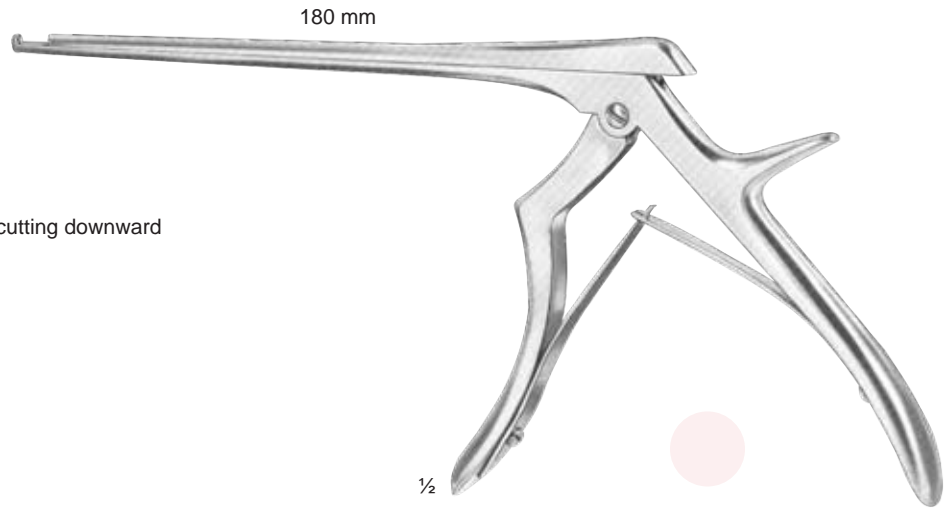
cutting downward

Width of bite	Cat. Ref.
2 mm	DC11-037-02
3 mm	DC11-037-03
5 mm	DC11-037-05

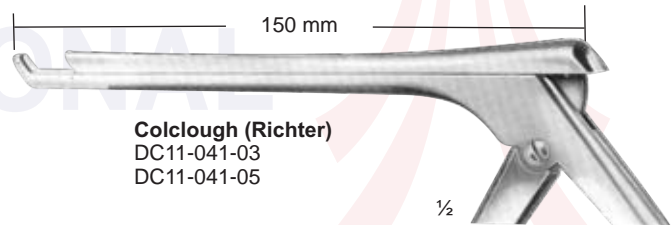


cutting 40° forward

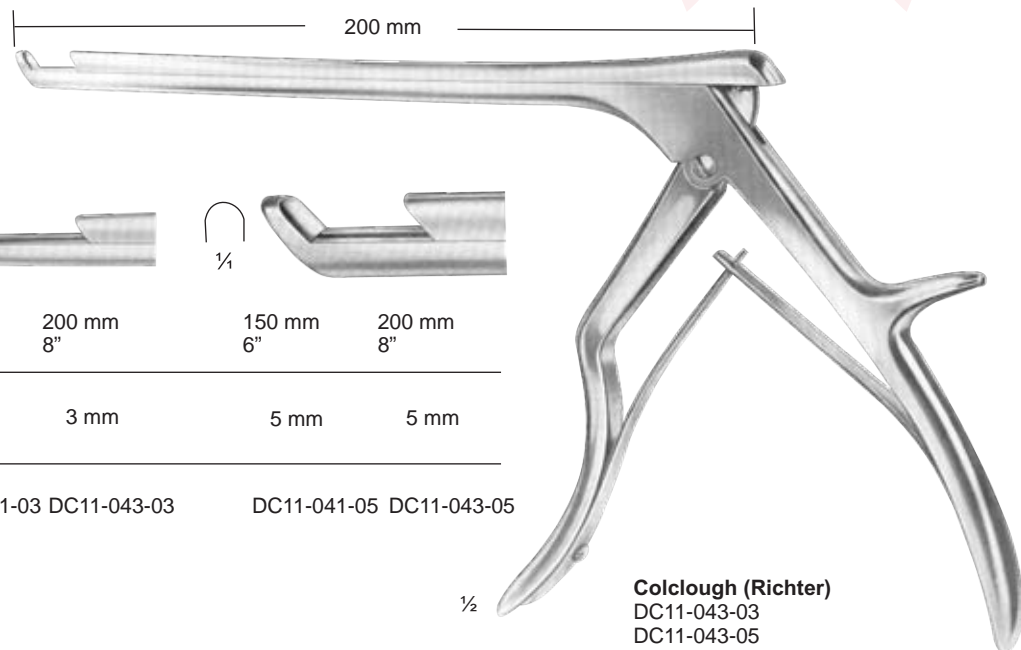
Width of bite	Cat. Ref.
2 mm	DC11-039-02
3 mm	DC11-039-03
5 mm	DC11-039-05



Ferris-Smith-Kerrison
DC11-035-02 - DC11-039-05



Colclough (Richter)
DC11-041-03
DC11-041-05

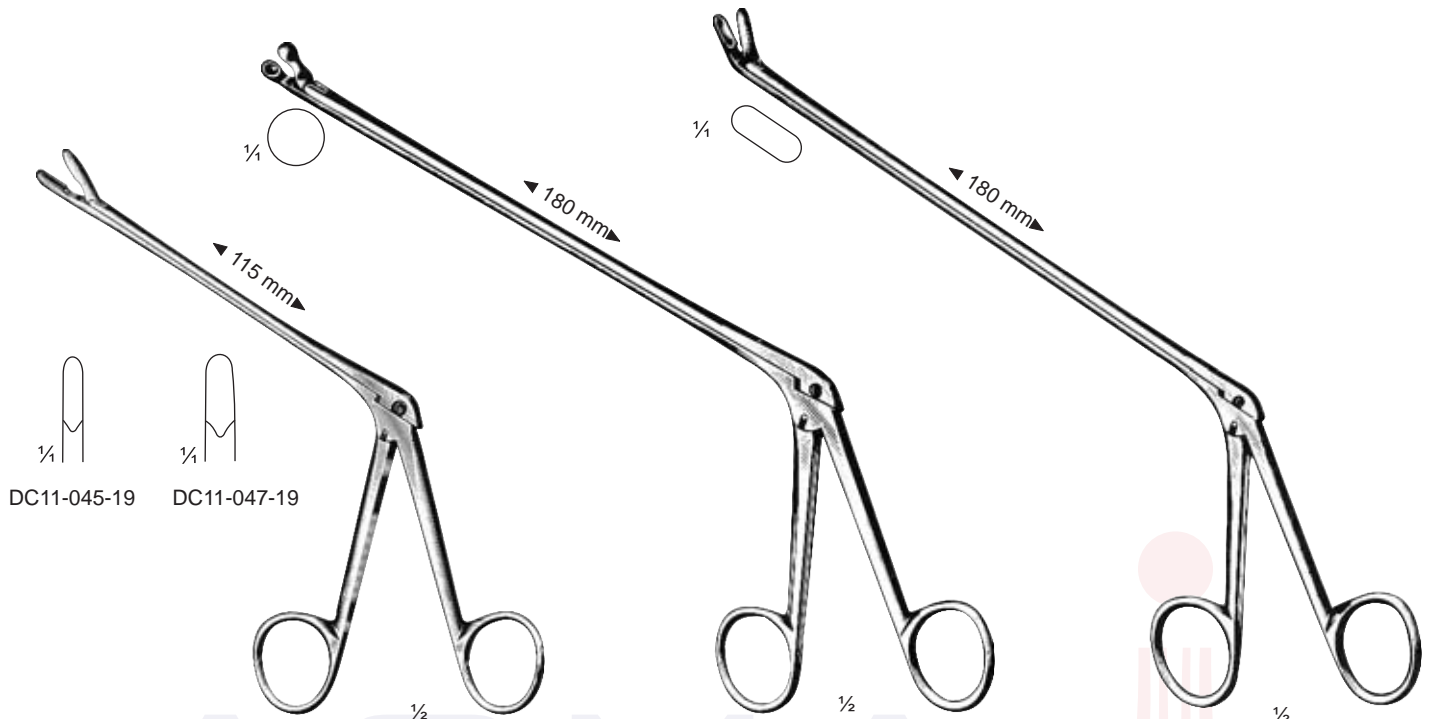
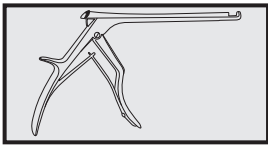


Colclough (Richter)
DC11-043-03
DC11-043-05



Length of shaft	150 mm	200 mm	150 mm	200 mm
	6"	8"	6"	8"
Width of bite	3 mm	3 mm	5 mm	5 mm
Cat. Ref.	DC11-041-03	DC11-043-03	DC11-041-05	DC11-043-05

Laminectomy Rongeurs, Nerve Root Retractors, Dura Dissectors



DC11-045-19 DC11-047-19

Spurling-Love
19.5 cm / 7 1/2"

Oldberg
DC11-049-25
25 cm / 10"

Gruenwald
DC11-051-25
25 cm / 10"



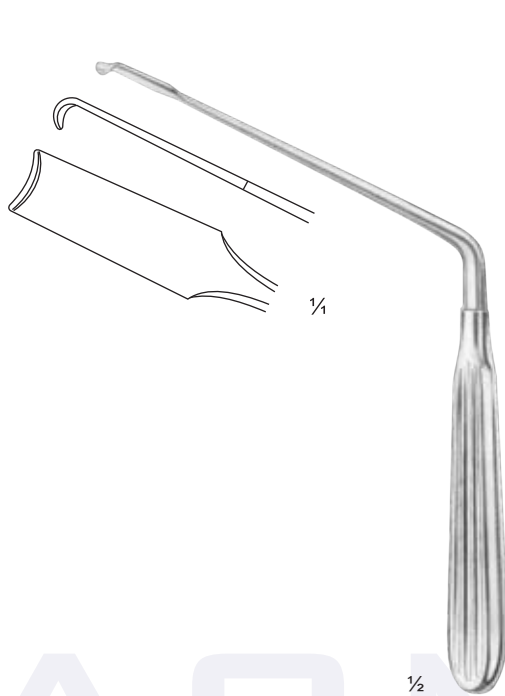
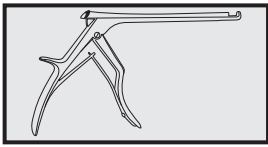
Woodson
DC11-053-18
17 cm / 7"

Horsley
DC11-055-20
20 cm / 8"

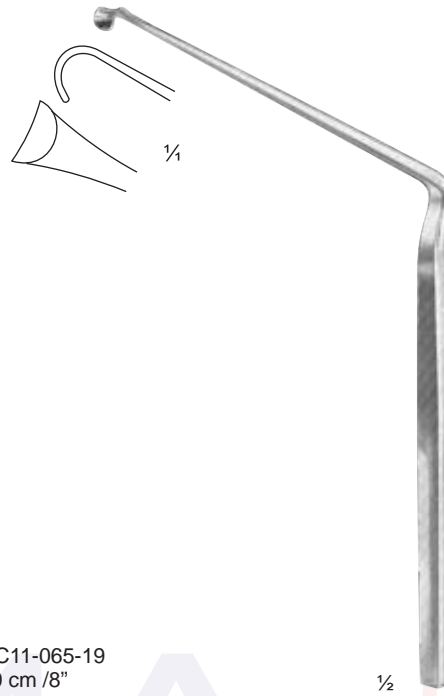
Sachs
DC11-057-21
21 cm / 8 1/2"

Love
DC11-059-19 - DC11-063-19
17 cm / 7"

Brain Spatulas, Nerve Root Retractors



DC11-065-19
20 cm / 8"

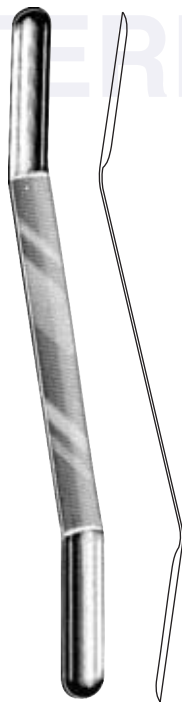


Martin
DC11-067-19
21 cm / 8 1/2"



Cushing
cm. in.

17	6 3/4	DC11-069-17
20	8	DC11-069-20
28	11	DC11-069-28

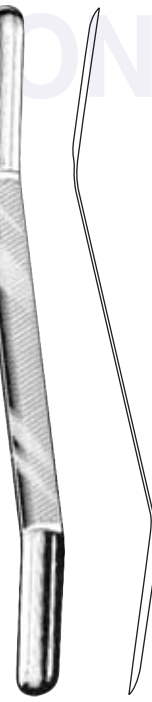


Olivecrina
18 cm / 7"

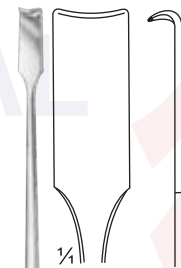
width of spatulas

	upper end	lower end
	mm	mm
concave	7	9
convex	11	13
	15	18
	18	22

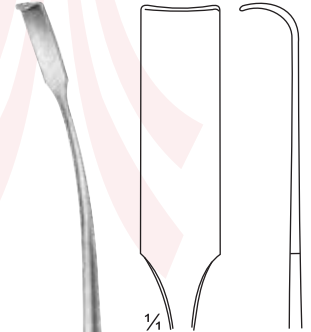
concave



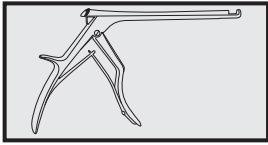
convex



Scoville
DC11-087-23
23 cm / 9"



Holsher
DC11-089-24
24 cm / 9 1/2"



Probe, Nerve Retractors



sharp

1/2

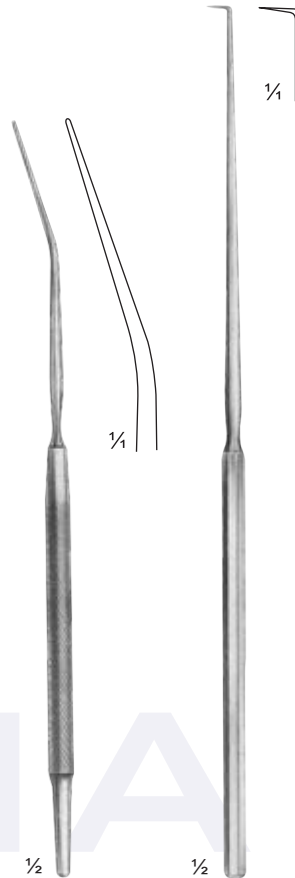
1/2



blunt

1/2

1/2



1/2

1/2



1/4

DC11-099-19 = 19 cm / 7 3/4"
DC11-099-28 = 28 cm / 11"

Cushing

Silverstone

DC11-091-01
19 cm / 7 3/4"

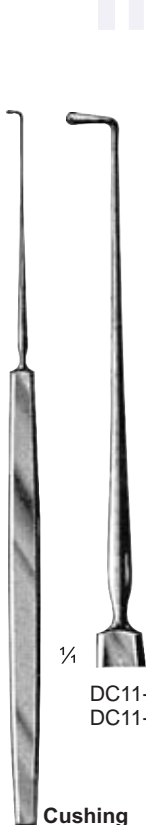
DC11-091-02
19 cm / 7 3/4"

DC11-093-01
19 cm / 7 3/4"

DC11-093-02
19 cm / 7 3/4"

Cloward
DC11-095-20
20 cm / 8"

Cushing
DC11-097-23
23 cm / 9"



1/4

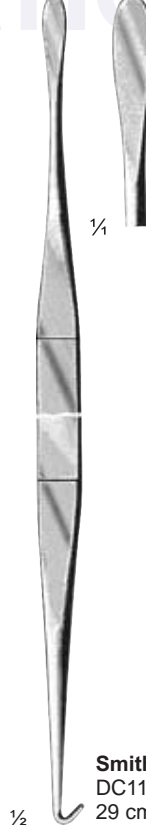
DC11-101-19 = 19 cm / 7 3/4"
DC11-101-28 = 28cm / 11"

Cushing



1/2

Smithwick
DC11-103-17
17 cm / 6 1/2"
DC11-103-21
21 cm / 8 1/4"



1/4

1/2

Smithwick
DC11-105-29
29 cm / 11 1/2"



1/2

Dandy
DC11-107-20
20 cm / 8"



1/2

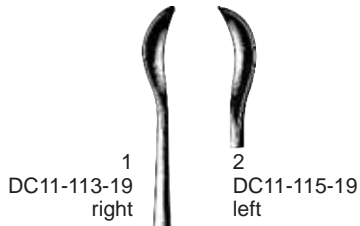
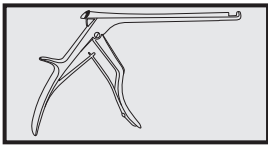
Dandy
DC11-109-20
20 cm / 8"



1/2

Dandy
DC11-111-20
20 cm / 8"

Elevators, Dura Hooks, Knotting Instrument, Pituitary Curettes



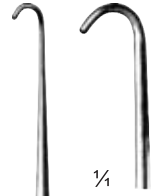
1/2

Cushing
DC11-113-19
19 cm / 7 1/2"



1/2

Adson
DC11-117-20
20 cm / 8"



1/4

Graham
DC11-119-16
16.5 cm / 6 1/2"



1/4

Sachs
DC11-121-18
18.5 cm / 7 1/4"



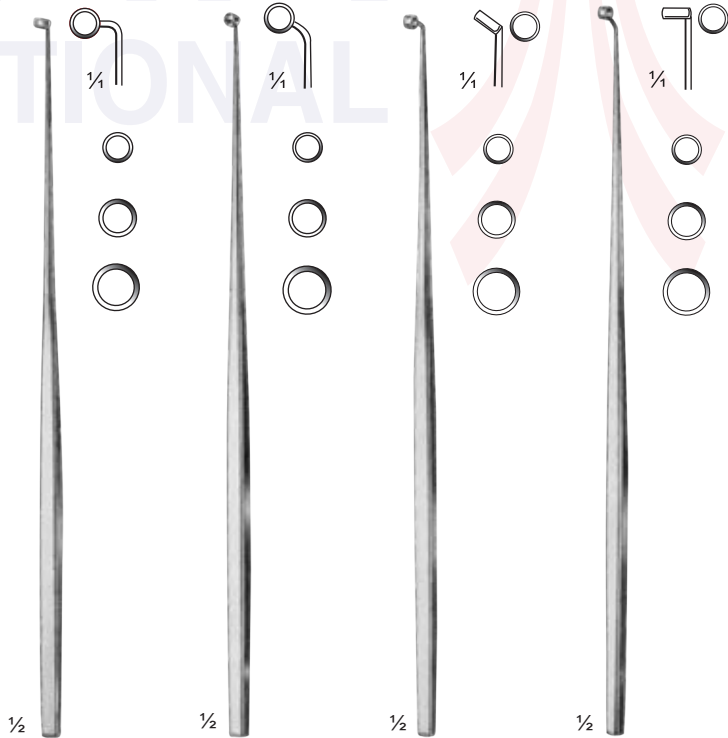
1/4

Toennis
DC11-123-15
15 cm / 6"



1/2

Adson
DC11-125-23
23 cm / 9"



1/2 19 cm / 7 1/2"

1/2 19 cm / 7 1/2"

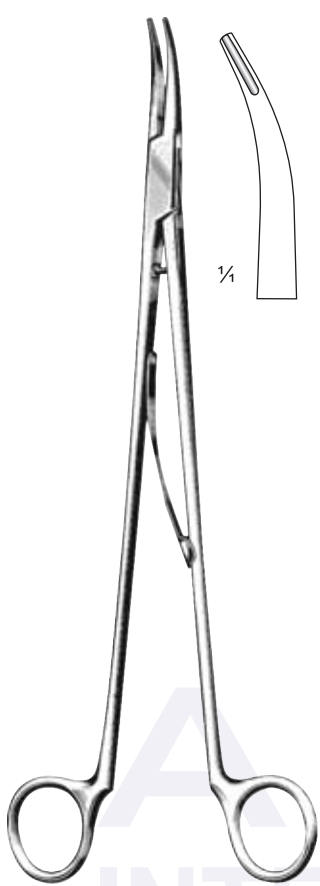
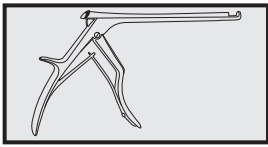
1/2 19 cm / 7 1/2"

1/2 19 cm / 7 1/2"

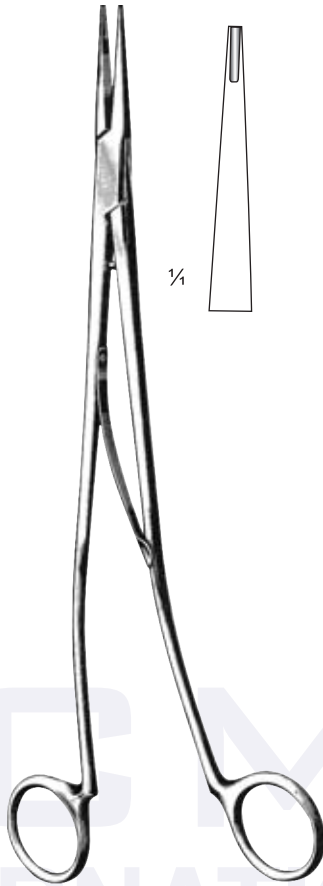
Ray

∅				
3 mm	DC11-127-03	DC11-129-03	DC11-131-03	DC11-133-03
4 mm	DC11-127-04	DC11-129-04	DC11-131-04	DC11-133-04
5 mm	DC11-127-05	DC11-129-05	DC11-131-05	DC11-133-05

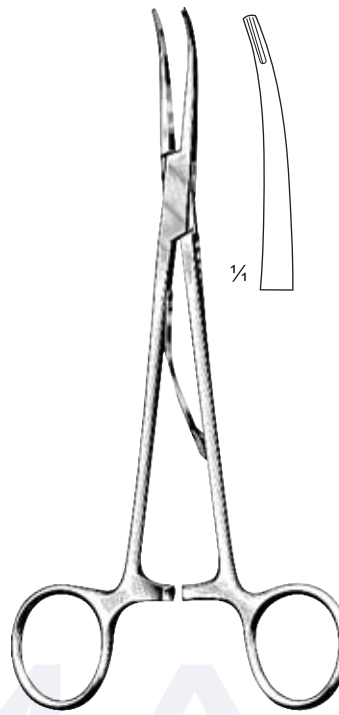
Instruments for Brain Suture



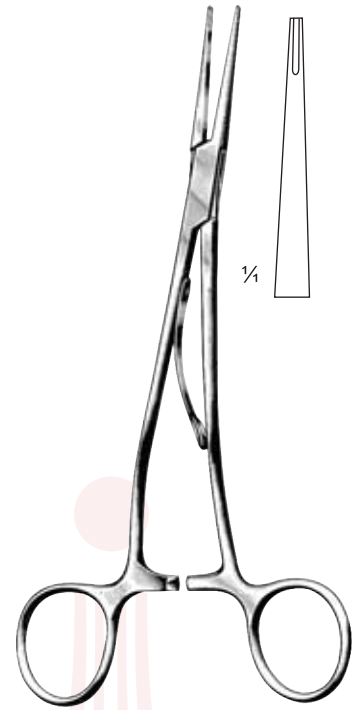
Smithwick
DC11-135-23 = 23 cm /9"
DC11-135-26 = 26 cm /10 1/4"



Sweet
DC11-137-23 = 23 cm /9"
DC11-137-25 = 25 cm /10"



McKenzie
DC11-139-15 = 15 cm /6"
DC11-139-19 = 19 cm /7 1/2"



McKenzie
DC11-141-15 = 15 cm /6"
DC11-141-19 = 19 cm /7 1/2"



Raney
DC11-143-00



**Olivecrona-Toennis
(Scoville)**
DC11-145-14