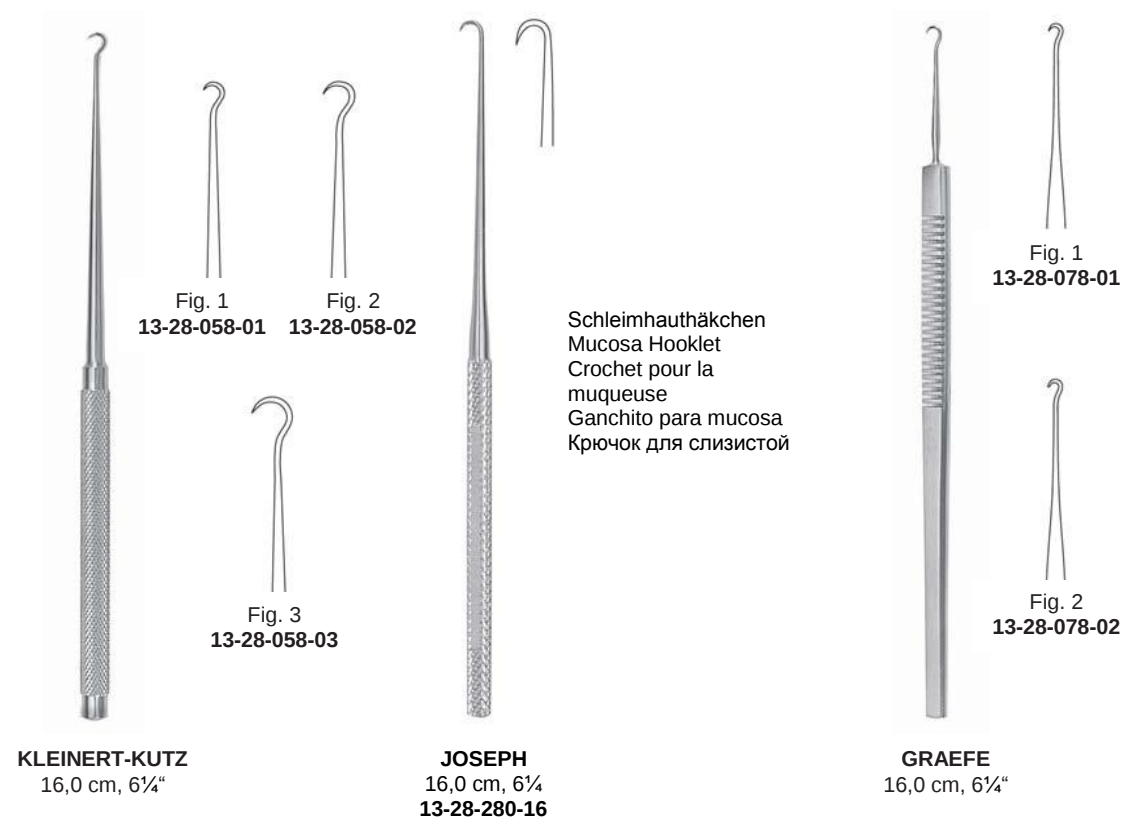
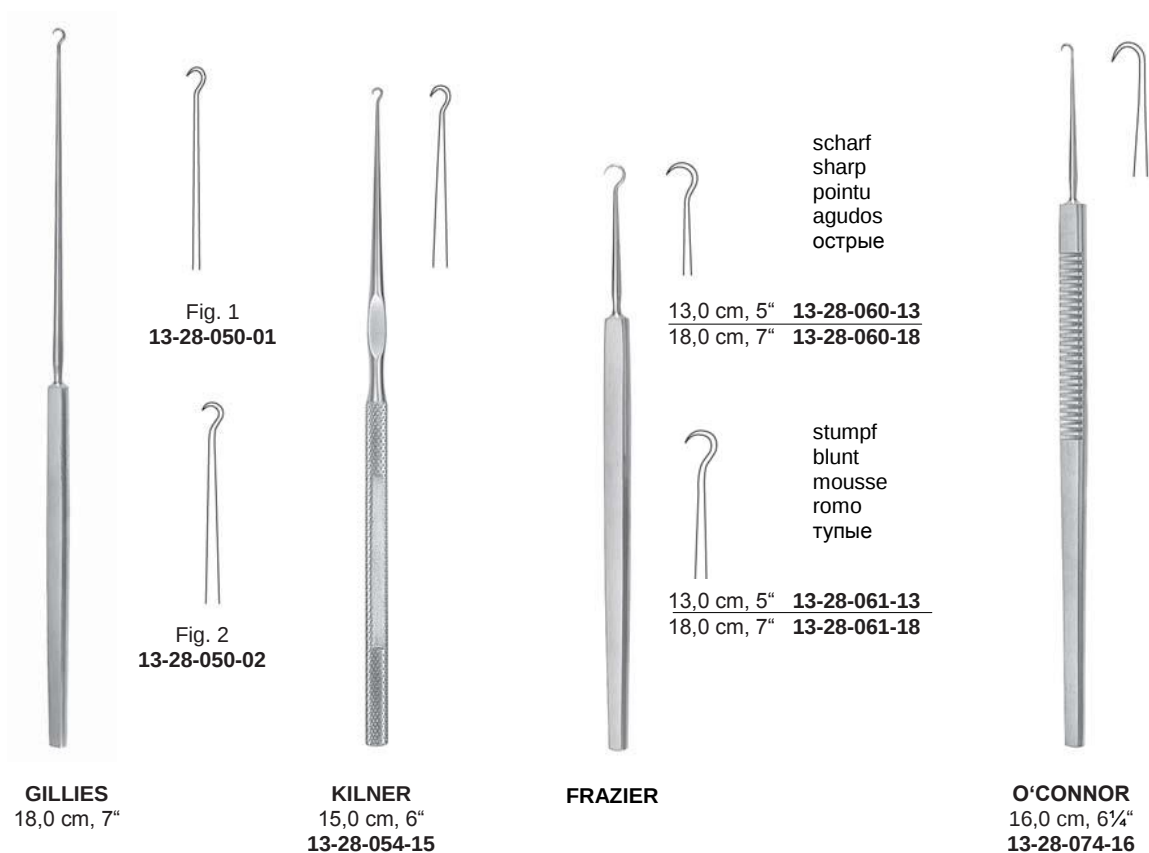


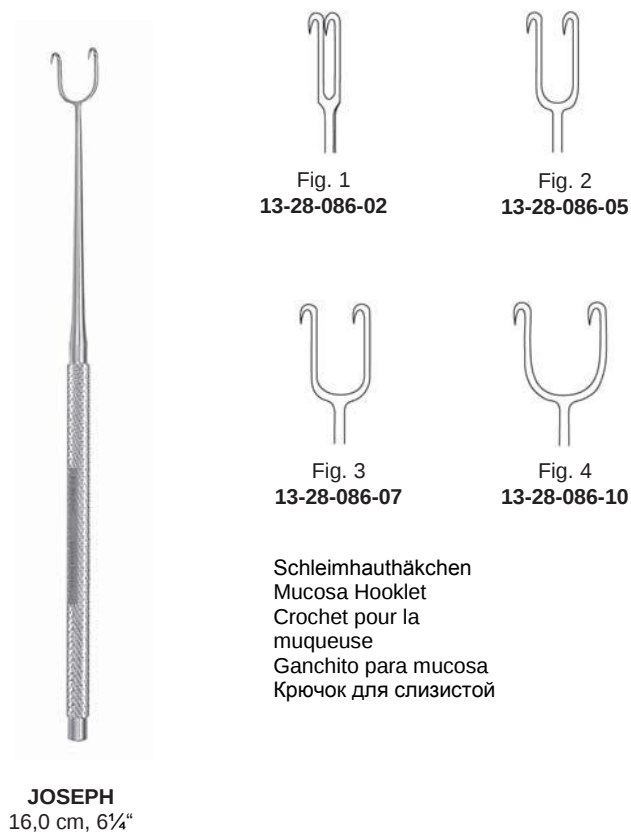
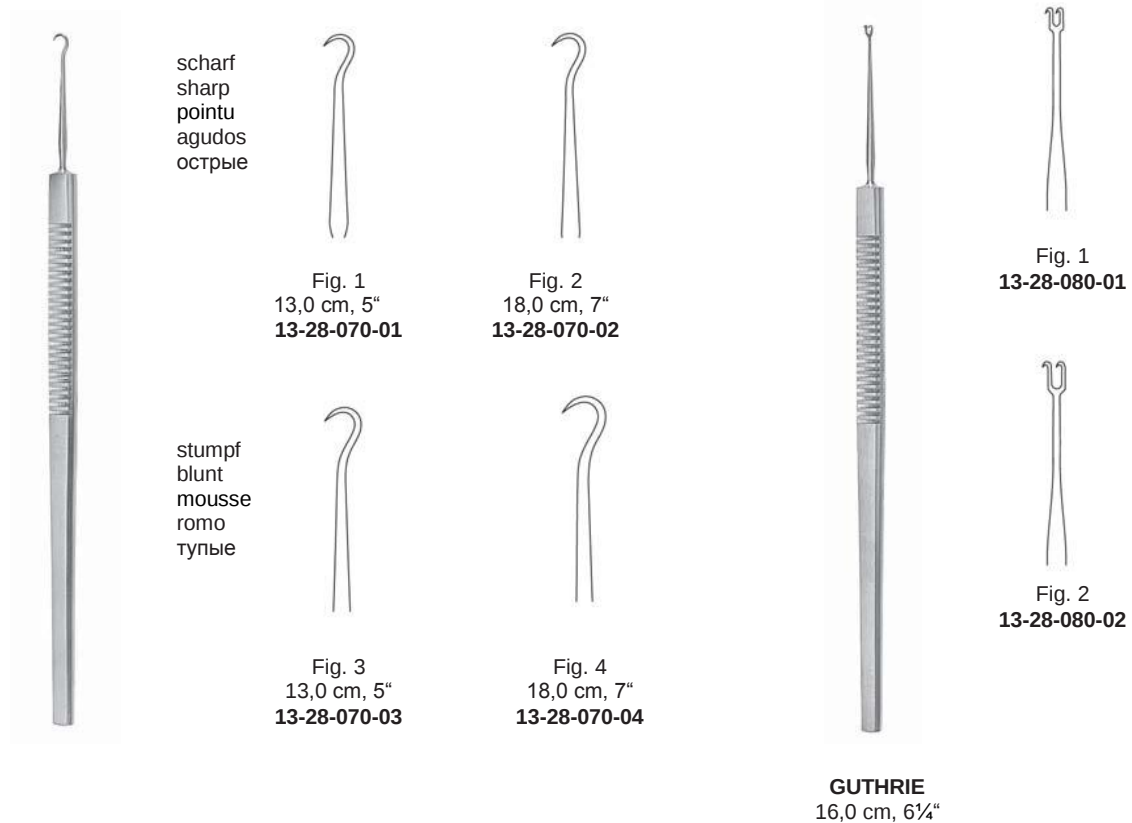
**Wundhaken
Retractors
Ecarteurs
Separadores
Ранорасширители**



Dura- und Hauthäkchen
Dura and Skin Retractors
Crochets pour la peau
Gancho para piel y dura-madre
Крючки мозговые и кожные



Dura- und Hauthäkchen
Dura and Skin Retractors
Crochets pour la peau
Gancho para piel y dura-madre
Крючки мозговые и кожные





46-73-185-31
30 cm / 11 6/8"
7 mm



46-73-185-41
41 cm / 16 1/8"
9 mm



23-57-576-03
23 cm / 9 "



23-57-574-01
22 cm / 8 5/8"
1 Zahn
1 Prong
1 Croche
1 Зубец

23-57-574-02
22 cm / 8 5/8"
2 Zahne
2 Prongs
2 Croches
2 Зубца

YASARGIL

Galeahaken
Galea hook
Gancho Galea
Ecarteur Galea
Divaricatore Galea
Крючок для сухожильного шлема

46-73-185-31 - 46-73-185-41

EMMET

Fistelhaken
Fistula Hooks
Ganchos para fistulas
Crochets pour fistules
Uncini per fistole
Крючок свищной

23-57-576-03

SIMON

Fistelhaken
Fistula Hooks
Ganchos para fistulas
Crochets pour fistules
Uncini per fistole
Крючок свищной

23-57-574-01 - 23-57-574-02



36-40-636-40-0



25°

36-40-636-03 0,3 mm
36-40-636-06 0,6 mm
36-40-636-10 1,0 mm



36-40-636-40-1

45°

36-40-637-03 0,3 mm
36-40-636-06 0,6 mm
36-40-637-10 1,0 mm
36-40-637-12 1,2 mm
36-40-637-15 1,5 mm
36-40-637-20 2,0 mm
36-40-637-25 2,5 mm



36-40-636-40-2

90°

36-40-638-03 0,3 mm
36-40-638-06 0,6 mm
36-40-636-10 1,0 mm
36-40-638-12 1,2 mm
36-40-638-15 1,5 mm
36-40-638-20 2,0 mm
36-40-638-25 2,5 mm



36-40-636-40-3

36-40-639-06 0,5 mm
36-40-639-10 1,0 mm

BARBARA
16 cm / 6 2/8"

36-40-636-40-0 - 36-40-636-40-3



36-40-648-03 - 36-40-648-10

90°

aufgewinkelt
bent upwards
angulado hacia arriba
coudé en haut
angolato in alto
загнут вверх



15,5 cm / 6 1/8"

36-40-648-03 0,3 mm
36-40-648-06 0,6 mm
36-40-648-10 1,0 mm

90°

abgewinkelt
angled
angulada
coudée
angolata
под углом



15,5 cm / 6 1/8"

36-40-649-03 0,3 mm
36-40-649-06 0,6 mm
36-40-649-10 1,0 mm



McGee

15,5 cm / 6 1/8"

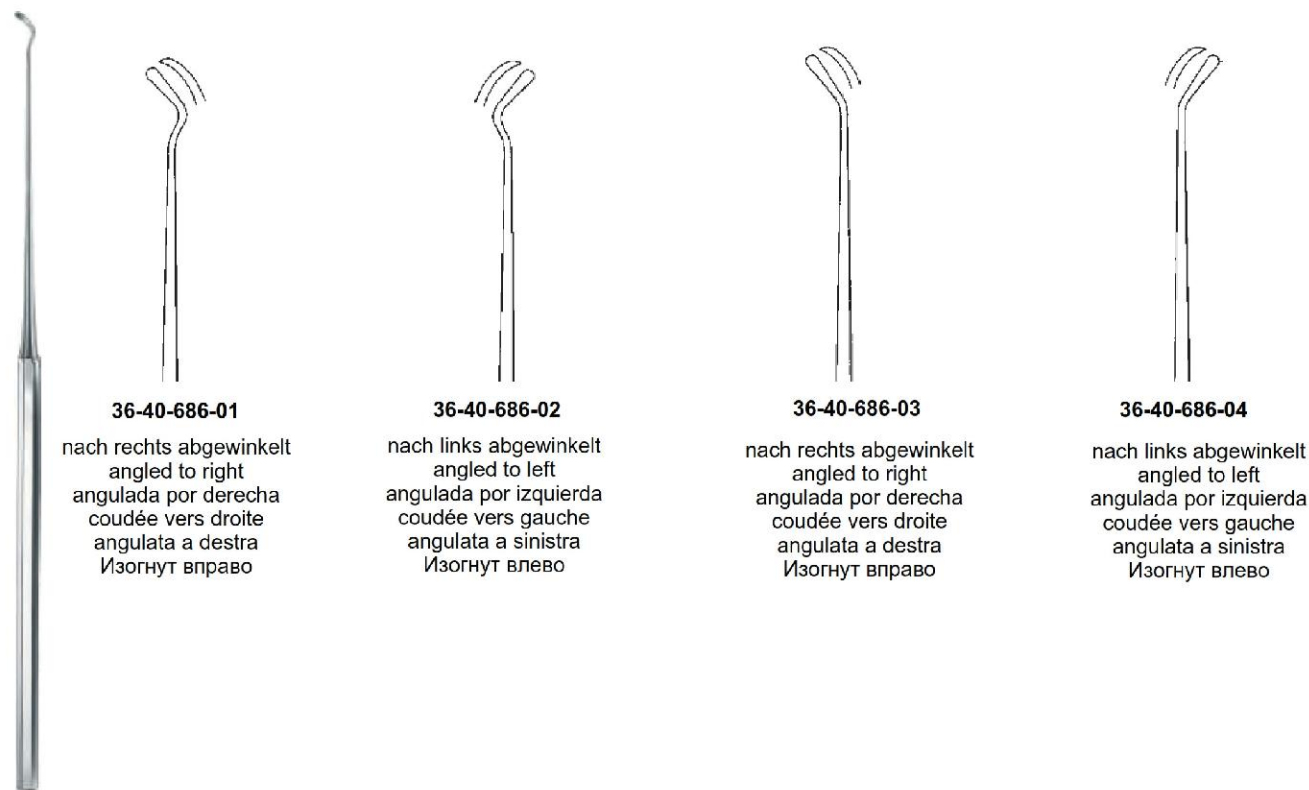
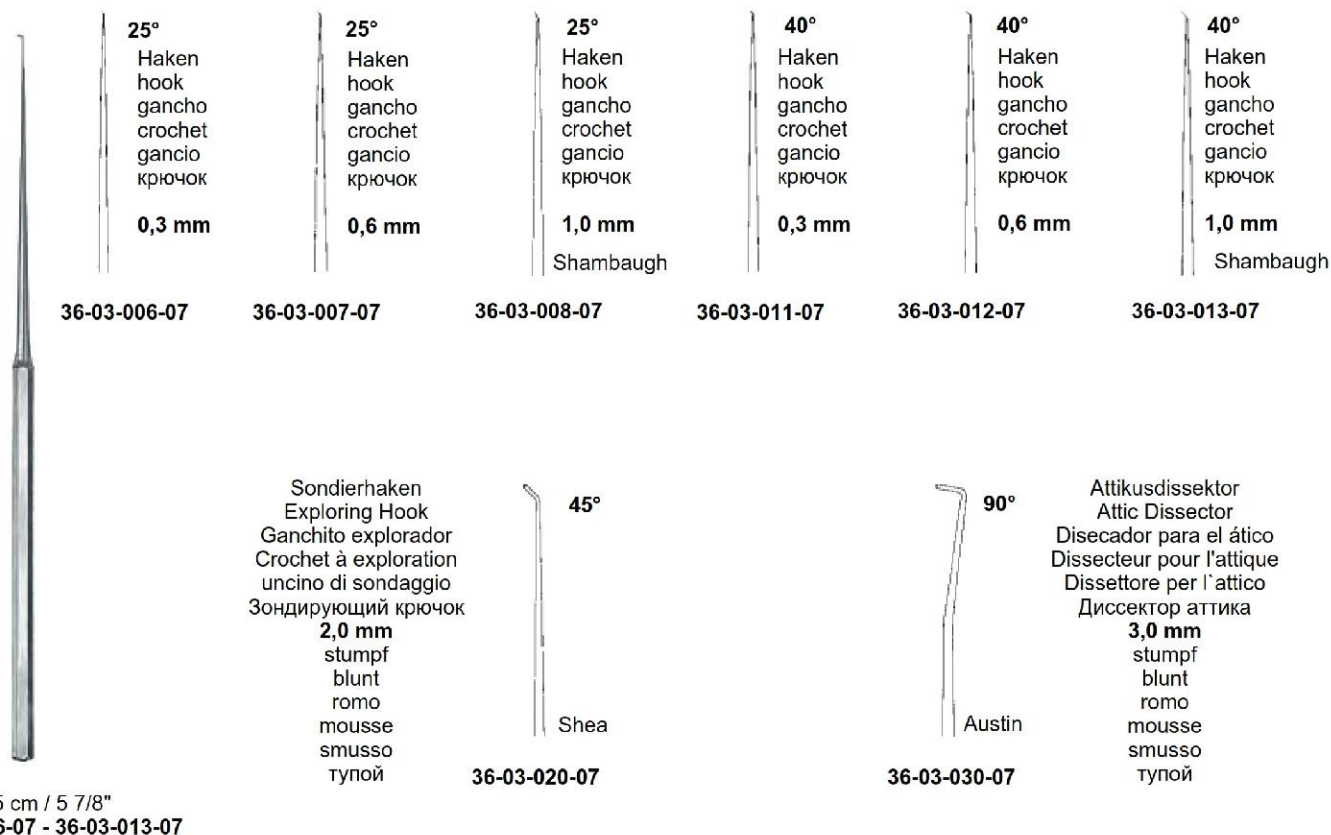
36-40-652-05 0,5 mm
36-40-652-10 1,0 mm



McGee

15,5 cm / 6 1/8"

36-40-653-05 0,5 mm
36-40-653-10 1,0 mm





Moldenhauer
16 cm / 6 1/8"
36-56-116-07



ZAUFAL
15 cm / 5 7/8"
36-56-316-07



HARTMANN
16 cm / 6 2/8"
36-57-016-07



NO. 1
36-57-701-07



NO. 2
36-57-702-07



NO. 3
36-57-703-07

LUCAE
14 cm / 5 4/8"
36-57-701-07 - 36-57-703-07



WAGENER
14 cm / 5 4/8"
Ohrhäkchen,
Ear Hooklet,
Ganchito auricular,
Lever pour corps étrangers
Uncino auricolare,
Ушной крючок

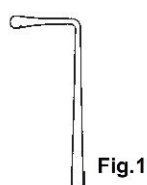


Fig. 1
36-40-588-01

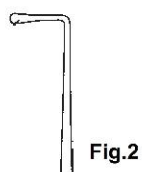


Fig. 2
36-40-588-02

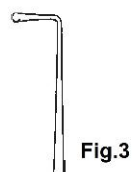


Fig. 3
36-40-588-03

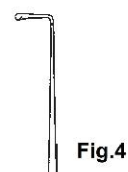


Fig. 4
36-40-588-04



Fig. 5
36-40-588-05



Fig. 6
36-40-588-06

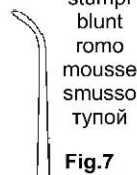
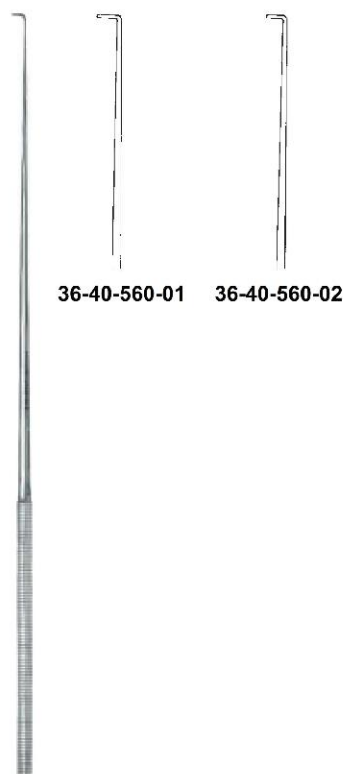


Fig. 7
36-40-588-07

scharf
sharp
agudo
pointu
acuto
острый

stumpf
blunt
romo
mousse
smusso
тупой



36-40-560-01 36-40-560-02

DAY

17 cm / 6 6/8"

36-40-560-01 - 36-40-560-02



Schleimhauthäkchen, scharf
 Mucosa Hooklet, sharp
 Ganchito para mucosa, agudo
 Crochet pour la muqueuse, pointu
 Uncino per mucosa, acuto
 Крючок для слизистой оболочки

JOSEPH

15,5 cm / 6 1/8"

37-41-300-01



scharf
 sharp
 agudo
 pointu
 acuto
 острый

COTTLE

17 cm / 6 1/8"

37-41-301-16



Fig.1
 37-68-801-07

Fig.2
 37-68-802-07

Fig.3
 37-68-803-07

COTTLE

14,5 cm / 5 6/8"

37-68-801-07 - 37-68-803-07



LANGE

23 cm / 9"

37-69-222-07

Nasenflügelhäkchen, Knopfende
 Alar Hooklets, button end
 Ganchito para alas de nariz, botonado
 Crochets pour les ailes du nez, boutonnés
 Uncino per le pinne nasali, con fine a bottone
 Крючки для крыльев носа, пуговчатые



FOMON

17 cm / 6 6/8"

37-69-417-07



45X11 mm

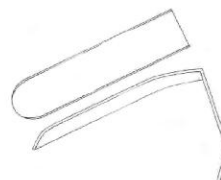
Nasenhaken
Nasal Retractors
Separadores nasales
Ecarteurs nasaux
Divaricatori nasali
Ретрактор носовой

AUFRICHT
19 cm / 7 4/8"
37-69-719-07



Nasenflügelhäkchen,
Alar Hooklet,
Ganchito para alas de nariza,
Crochet pour les ailes du nez,
Uncino per le pinne nasali,
Двойной крючок для крыльев носа

KILNER
8 cm / 3 1/8"
37-69-810-07



CONVERSE
10,5 cm / 4 1/8"
37-69-911-07



FREER
15 cm / 5 7/8"
37-70-215-07



JOSEPH
16 cm / 6 1/8"
37-70-402-07 - 37-70-410-07



37-70-402-07
2 mm



37-70-405-07
5 mm



37-70-407-07
7 mm



37-70-410-07
10 mm

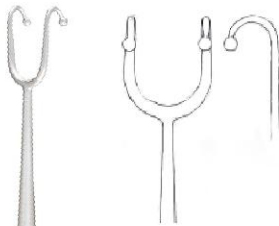
Dura- und Hauthäkchen, Nervwurzelhaken

Dura and Skin Retractors, Nerve Root retractors

Crochets pour la peau, Retracteurs pour racines nerveuses

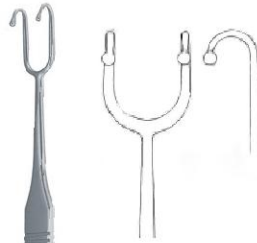
Gancho para piel y dura-madre, Separadores para la raíz de nervio

Крючки мозговые и кожные, Ретракторы нервных корешков



geknöpft
button ended
abotonado
boutonné
a bottone
пугочатый

FOMON
16 cm / 6 2/8"
37-70-616-07



COTTLE - NEIVERT
19,5 cm / 7 5/8"
37-70-720-07



37-70-814-07

scharf
sharp
agudo
pointu
acuto
острый



37-70-901-07

stumpf/scharf
blunt/sharp
romo/agudo
mousse/aiguë
smusso/acuto
тупой/острый



37-70-902-07

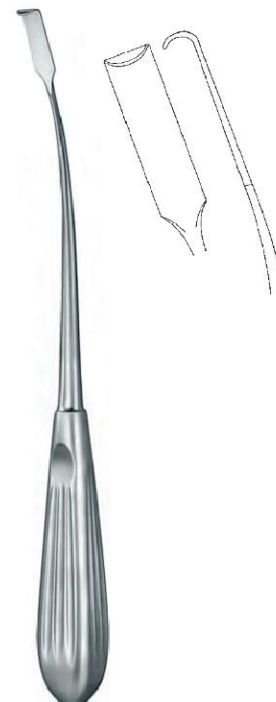
scharf/stumpf
sharp/blunt
agudo/romo
aiguë/mousse
acuto/smusse
острый/тупой



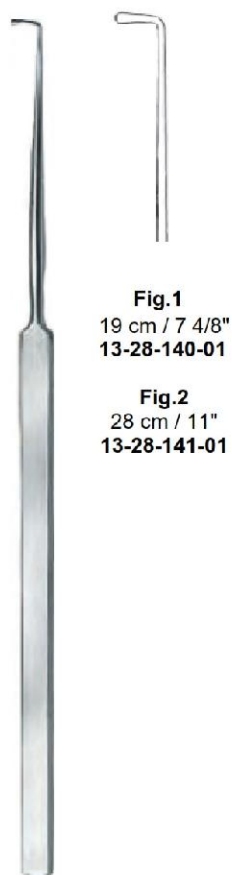
COTTLE
14 cm / 5 4/8"
37-71-014-07



SCOVILLE
23,5 cm / 9 2/8"
17-24-724-23



HOLSHER
24 cm / 9 4/8"
17-24-725-24



CUSHING



CUSHING



SMITHWICK





Fig.1
stumpf
blunt
romo
mousse
smusso
тупоконечный
46-72-222-20



Fig.2
scharf
sharp
agudo
pointu
acuto
остроконечный
46-72-223-20



Fig.1
stumpf
blunt
romo
mousse
smusso
тупоконечный
46-72-224-16



Fig.2
scharf
sharp
agudo
pointu
acuto
остроконечный
46-72-225-18



SACHS
20,5 cm / 8 1/8"
46-72-228-21



SACHS
21,5 cm / 8 4/8"
46-72-230-21

ADSON
20 cm / 7 7/8"
46-72-222-20 - 46-72-223-20

GRAHAM
16,5 cm / 6 4/8"
46-72-224-16 - 46-72-225-18



Krayenbühl
19 cm / 7 4/8"



Fig.1
13-20-710-01

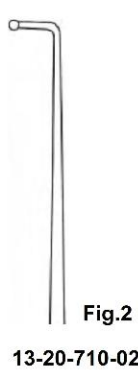


Fig.2
13-20-710-02

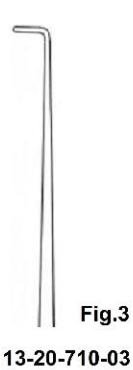


Fig.3
13-20-710-03



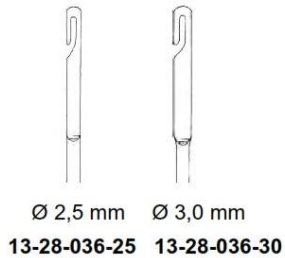
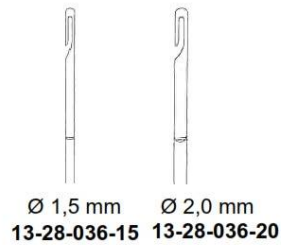
Fig.4
13-20-710-04



CRILE
20 cm / 7 7/8"
13-28-034-20



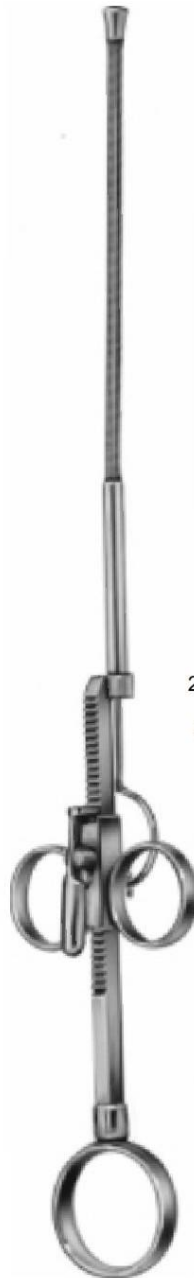
CRILE
20,5 cm / 8 1/8"
13-28-035-20



Nahthaken
Suture hook
Crochet aux sutures
Шовный крючок

26 cm / 10 2/8"

13-28-036-15 - 13-28-036-30



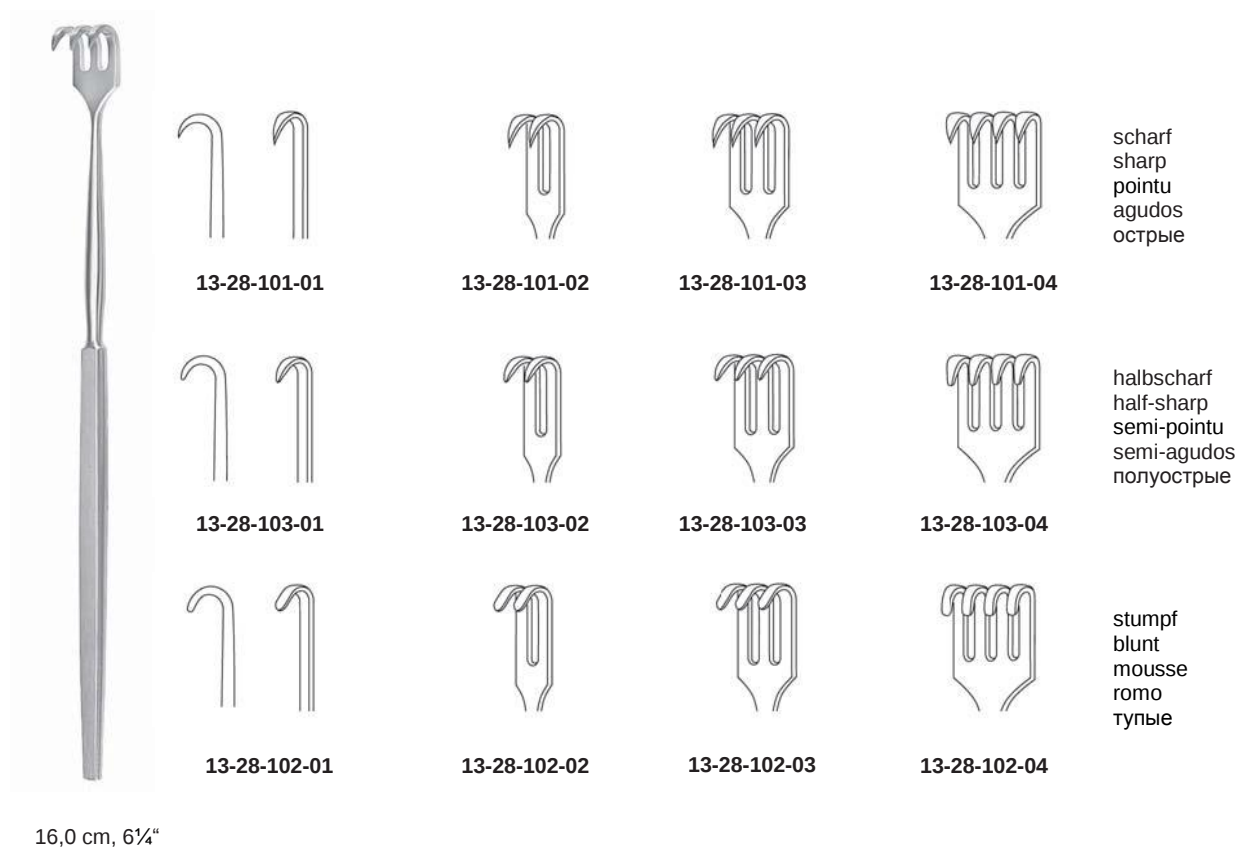
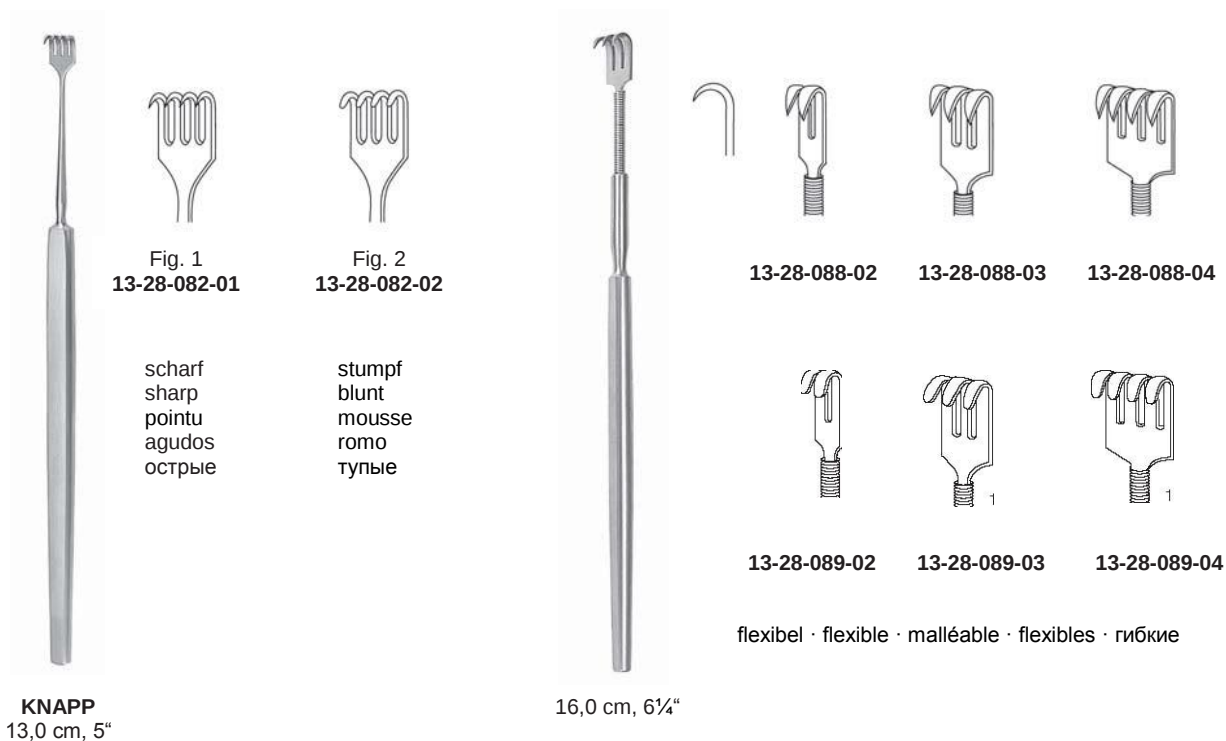
RUMEL-BELMONT TOURNIQUET
Турникет

Fig.1
27 cm / 10 5/8"
Ø 3,2MM
41-48-030-32

Fig.2
30,5 cm / 12 "
Ø 6,4MM
41-48-030-64



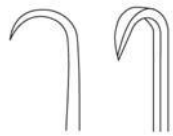
ITERSON
Tracheal Hacken
Traheal Hook
Крючок трахеальный
16 cm / 6 1/4"



Wundhaken
Retractors
Ecarteurs
Separadores
Ранорасширители-крючки



16,0 cm, 6¼"



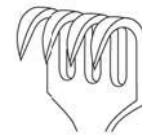
13-28-111-01



13-28-111-02

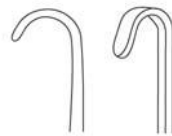


13-28-111-03



13-28-111-04

scharf
sharp
pointu
agudos
острые



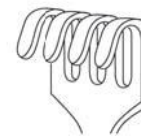
13-28-112-01



13-28-112-02



13-28-112-03



13-28-112-04

stumpf
blunt
mousse
romos
тупые



CUSHING
19,0 cm, 7½"



Fig. 1
13-28-140-01



Fig. 2
13-28-140-02



LANGENBECK-GREEN
16,0 cm, 6¼"



16 x 6 mm
13-28-162-01



24 x 6 mm
13-28-162-02



MEYERDING
18,0 cm, 7"



18 x 7 mm
13-28-150-01



16 x 5 mm
13-28-150-02



7 x 4 mm
13-28-150-03



10 x 3 mm
13-28-150-04



7 x 4 mm
13-28-150-05



4 x 10 mm
13-28-150-06



16,0 cm, 6 1/4"



14 x 8 mm
13-28-166-16



SENN-GREEN
15,0 cm, 6"



10 x 6 mm
13-28-160-10



20 x 6 mm
13-28-160-20



MINI-LANGENBECK
16,0 cm, 6 1/4"



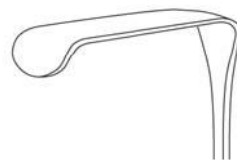
10 x 6 mm
13-28-164-01



17 x 5 mm
13-28-164-02



20 x 6 mm
13-28-164-03



22 x 8 mm
13-28-164-04

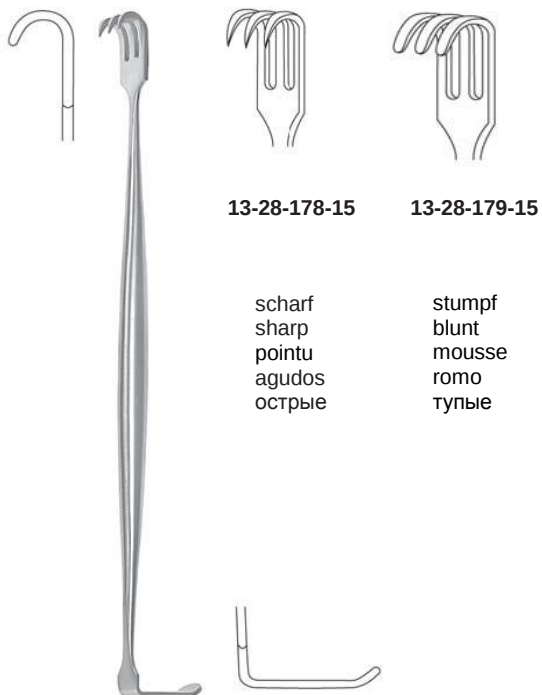
Wundhaken
Retractors
Ecarteurs
Separadores
Ранорасширители-крючки



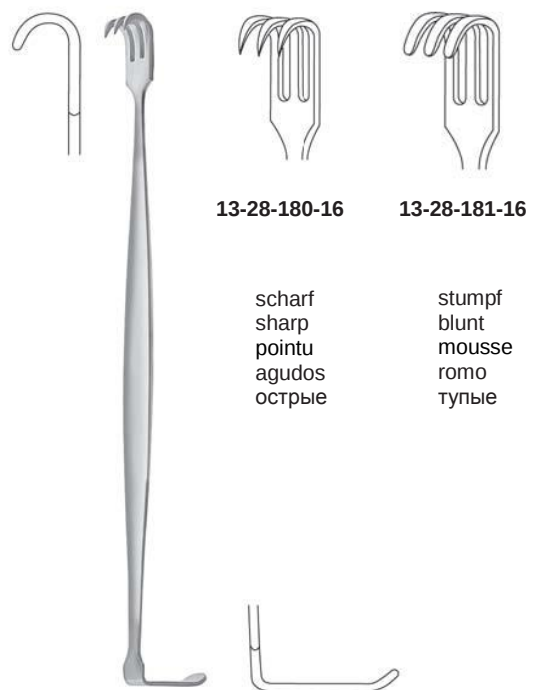
RAGNELL-DAVIS
14,0 cm, 5½"
13-28-170-14



RAGNELL
15,0 cm, 6"
13-28-174-15



BABY SENN-MILLER
15,0 cm, 6"



SENN-MILLER
16,0 cm, 6¼"

13-28-178-15

13-28-179-15

scharf
sharp
pointu
agudos
острые

stumpf
blunt
mousse
romo
тупые

13-28-180-16

13-28-181-16

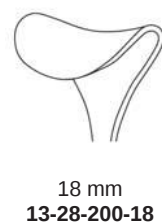
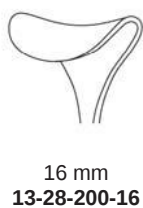
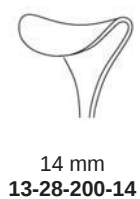
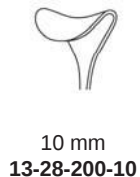
scharf
sharp
pointu
agudos
острые

stumpf
blunt
mousse
romo
тупые

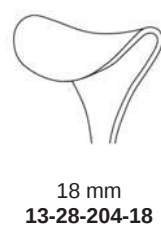
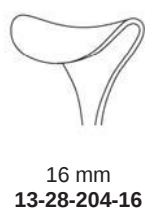
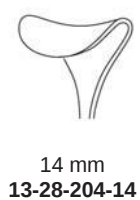
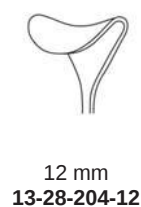
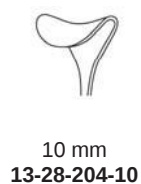
Sattelhäkchen, Wundhäkchen
Saddle Hooks, Hooklets
Ecarteurs sous forme de selle, Crochets
Ganchos en forma de selle, Ganchitos
Крючки для век, ранорасширители-крючочки



DESMARRES
13,0 cm, 5



DESMARRES
16,0 cm, 6¼"



Sattelhäkchen
Saddle Hooks
Ecarteurs sous forme de selle
Ganchos en forma de selle
Крючки для век



CUSHING
20,0 cm, 8"



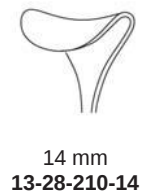
8 mm
13-28-210-08



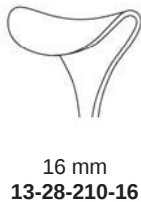
10 mm
13-28-210-10



12 mm
13-28-210-12



14 mm
13-28-210-14



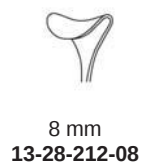
16 mm
13-28-210-16



18 mm
13-28-210-18



CUSHING
24,0 cm, 9½"



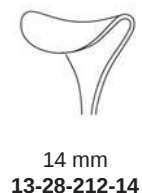
8 mm
13-28-212-08



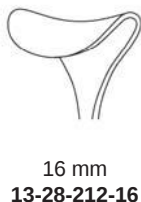
10 mm
13-28-212-10



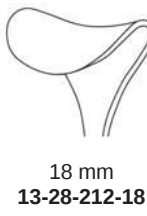
12 mm
13-28-212-12



14 mm
13-28-212-14



16 mm
13-28-212-16



18 mm
13-28-212-18

Sattelhäkchen
Saddle Hooks
Ecarteurs sous forme de selle
Ganchos en forma de selle
Крючки для век



GIL-VERNET
24,0 cm, 9½"



8 mm
13-28-220-08



11 mm
13-28-220-11



13 mm
13-28-220-13



15 mm
13-28-220-15



17 mm
13-28-220-17



20 mm
13-28-220-20



23 mm
13-28-220-23



GIL-VERNET
24,0 cm, 9½"



8 mm
13-28-230-08



11 mm
13-28-230-11



13 mm
13-28-230-13



15 mm
13-28-230-15



17 mm
13-28-230-17



20 mm
13-28-230-20



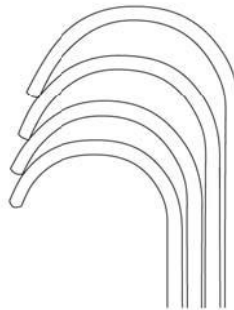
23 mm
13-28-230-23

Wundhaken
Retractors
Ecarteurs
Separadores
Ранорасширители-крючки



ROUX

Fig. 1 24 x 20 mm
Fig. 2 29 x 26 mm
Fig. 3 33 x 29 mm
Fig. 4 29 x 24 mm



13-28-310-00
Satz, Fig. 1-3
Set, fig. 1-3
Set, figure 1-3
Juego, fig. 1-3
Набор фиг. 1-3

Fig. 1 30 x 28 mm
Fig. 2 36 x 36 mm
Fig. 3 38 x 43 mm
Fig. 4 45 x 28 mm

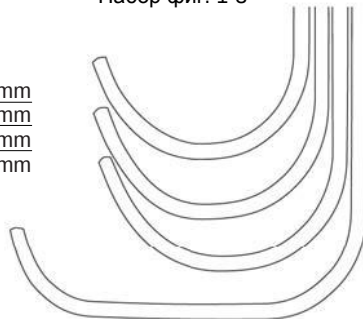


Fig. 1-3 17,0 cm, 6 $\frac{3}{4}$ " **13-28-310-00**
Fig. 1 14,0 cm, 5 $\frac{1}{2}$ " **13-28-310-01**
Fig. 2 15,0 cm, 6" **13-28-310-02**
Fig. 3 17,0 cm, 6 $\frac{3}{4}$ " **13-28-310-03**
Fig. 4 18,0 cm, 7" **13-28-310-04**

13



FARABEUF
12,0 cm, 4 $\frac{3}{4}$ "

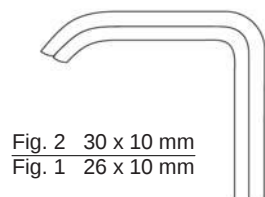
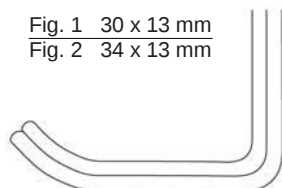


Fig. 2 30 x 10 mm
Fig. 1 26 x 10 mm

13-28-300-12
Satz, Fig.1-2
Set, fig.1-2
Set, figure 1-2
Juego, fig.1-2
Набор фиг.1-2

Fig. 1 30 x 13 mm
Fig. 2 34 x 13 mm



FARABEUF
15,0 cm, 5 $\frac{3}{4}$ "

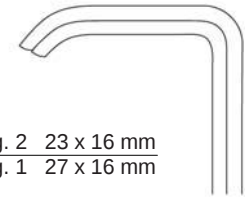
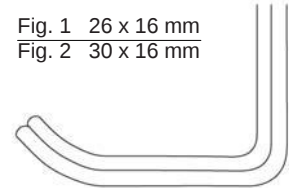


Fig. 2 23 x 16 mm
Fig. 1 27 x 16 mm

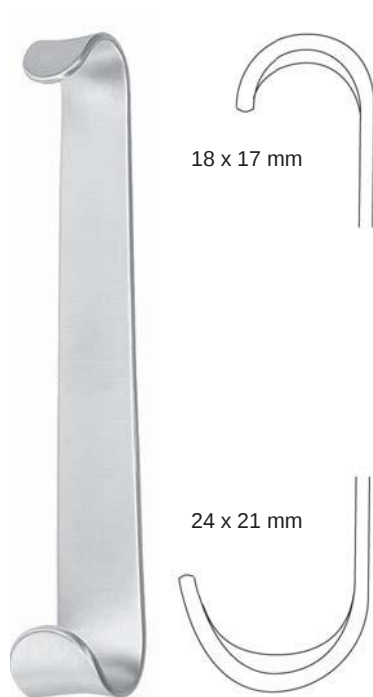
13-28-302-15
Satz, Fig.1-2
Set, fig.1-2
Set, figure 1-2
Juego, fig.1-2
Набор фиг.1-2

Fig. 1 26 x 16 mm
Fig. 2 30 x 16 mm





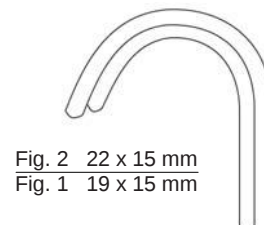
MINI-ROUX
15,0 cm, 6"
13-28-340-15



BABY-ROUX
13,0 cm, 5"
13-28-342-13



PARKER
13,5 cm, 5 1/4"



13-28-350-13
Satz, Fig. 1-2
Set, fig. 1-2
Set, figure 1-2
Juego, fig. 1-2
Набор фиг. 1-2

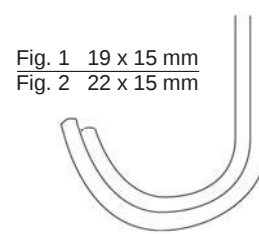


Fig. 1 19 x 15 mm
Fig. 2 22 x 15 mm



PARKER
18,0 cm, 7"

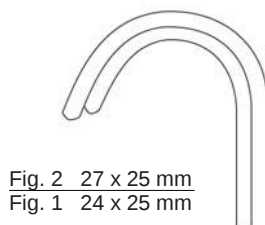


Fig. 2 27 x 25 mm
Fig. 1 24 x 25 mm

13-28-350-18
Satz, Fig. 1-2
Set, fig. 1-2
Set, figure 1-2
Juego, fig. 1-2
Набор фиг. 1-2

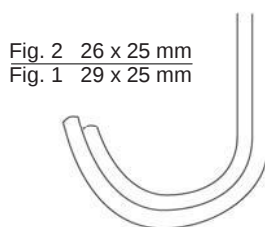


Fig. 2 26 x 25 mm
Fig. 1 29 x 25 mm



MATHIEU
20,0 cm, 8"

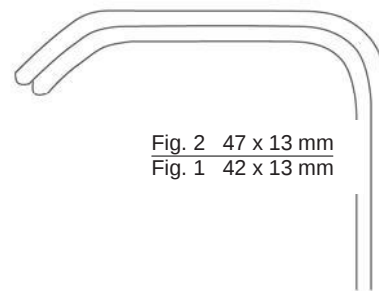


Fig. 2 47 x 13 mm
Fig. 1 42 x 13 mm

13-28-380-00
Satz, Fig. 1-2
Set, fig. 1-2
Set, figure 1-2
Juego, fig. 1-2
Набор фиг. 1-2

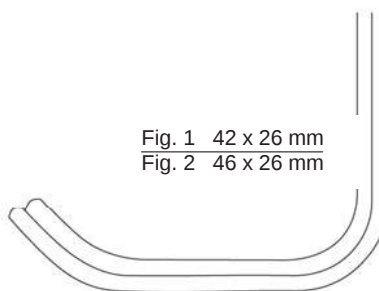
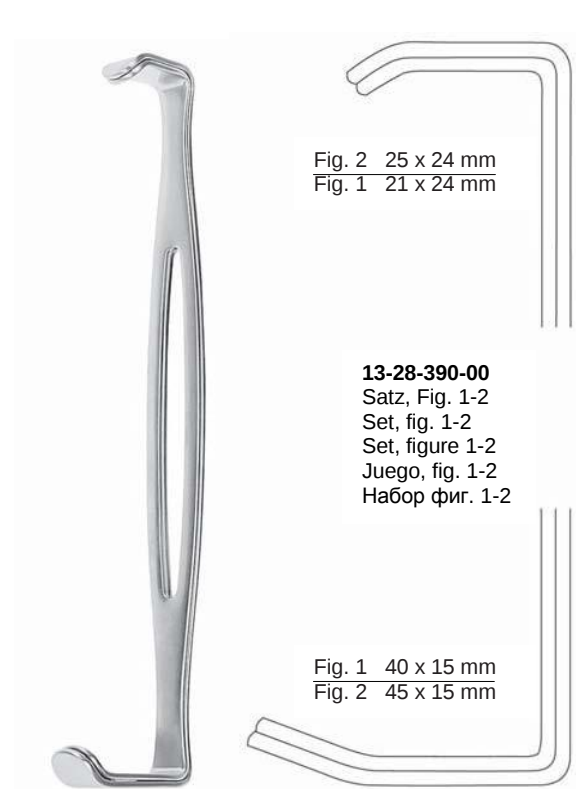


Fig. 1 42 x 26 mm
Fig. 2 46 x 26 mm

Wundhaken
Retractors
Ecarteurs
Separadores
Ранорасширители-крючки



GOELET
19,0 cm, 7½"
13-28-396-19



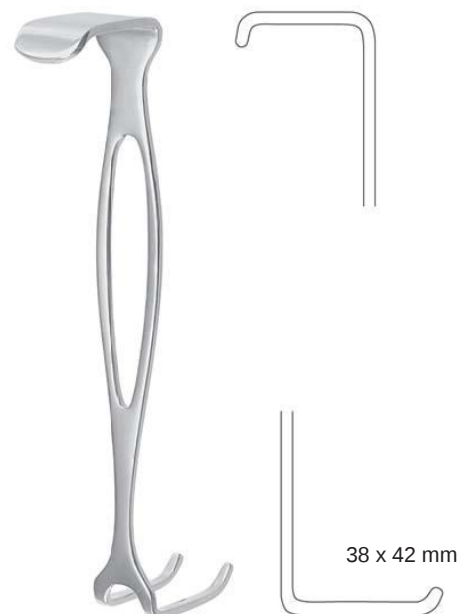
PARKER-LANGENBECK
21,0 cm, 8¼"

Fig. 1 **13-28-390-01**
Fig. 2 **13-28-390-02**

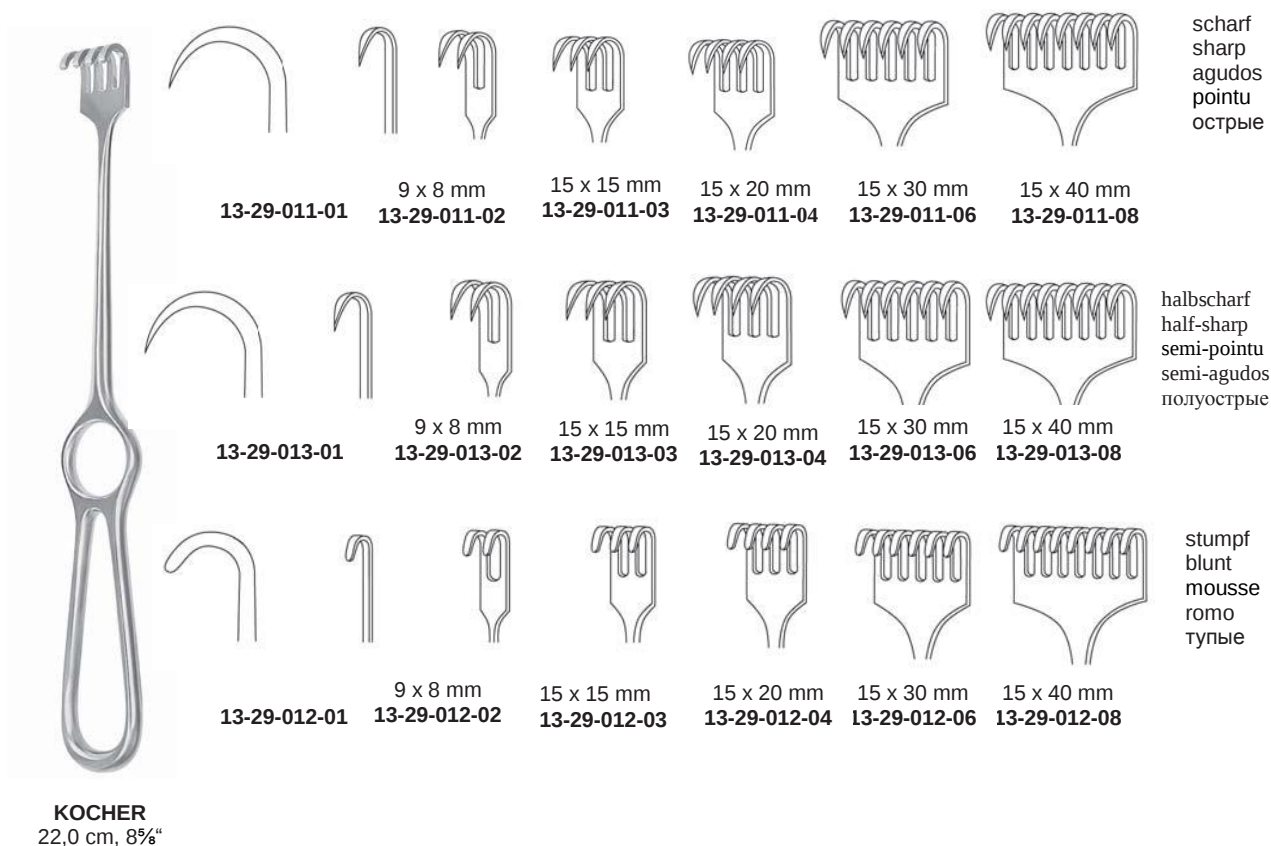
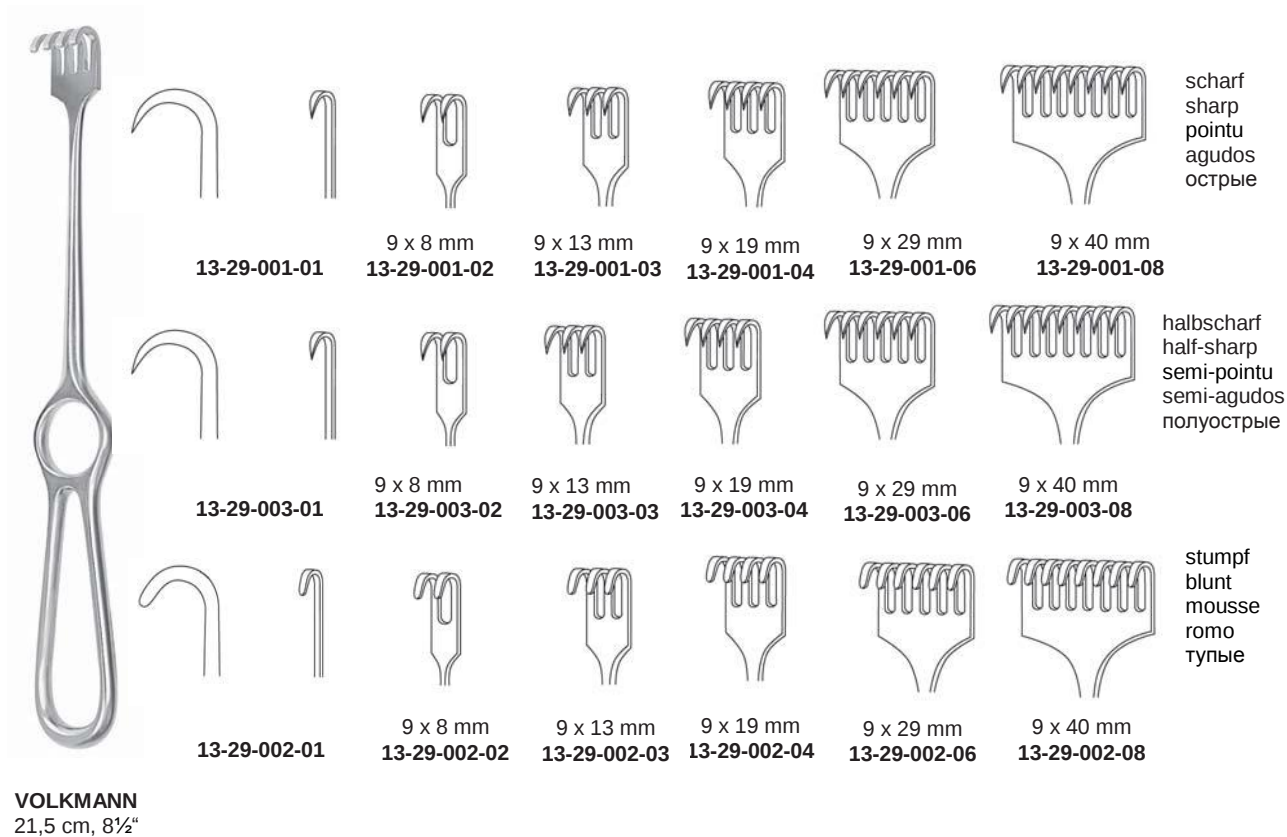


CANNY RYAL

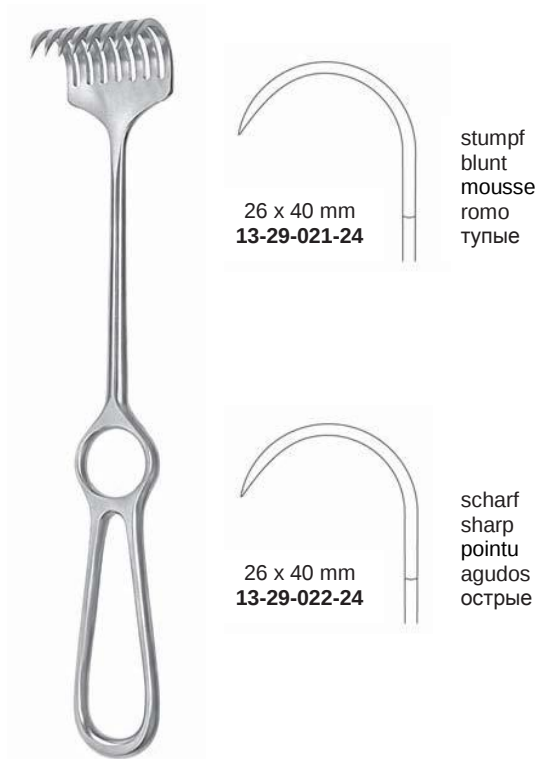
16 mm	19,0 cm, 7½"	13-28-370-16
20 mm	19,0 cm, 7½"	13-28-370-20
25 mm	20,0 cm, 8"	13-28-370-25



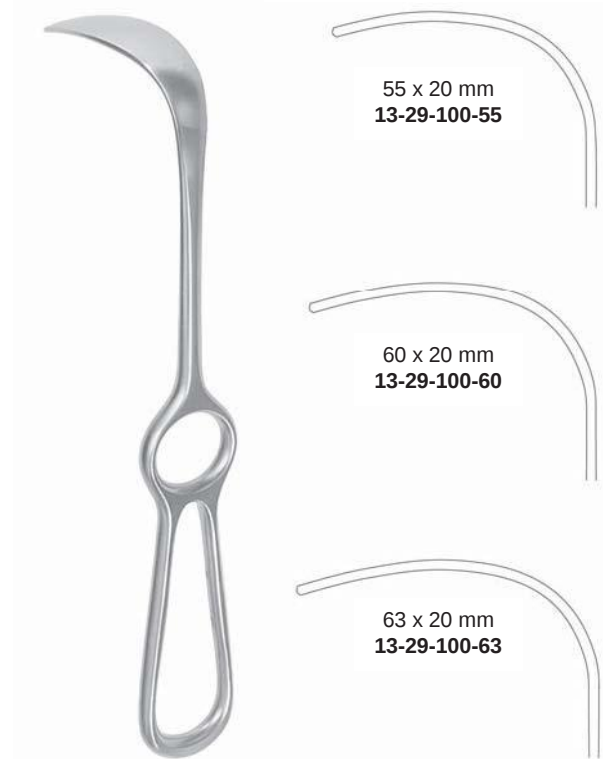
CZERNY
17,5 cm, 7"
13-28-360-00



**Wundhaken
Retractors
Ecarteurs
Separadores
Ранорасширители-крючки**



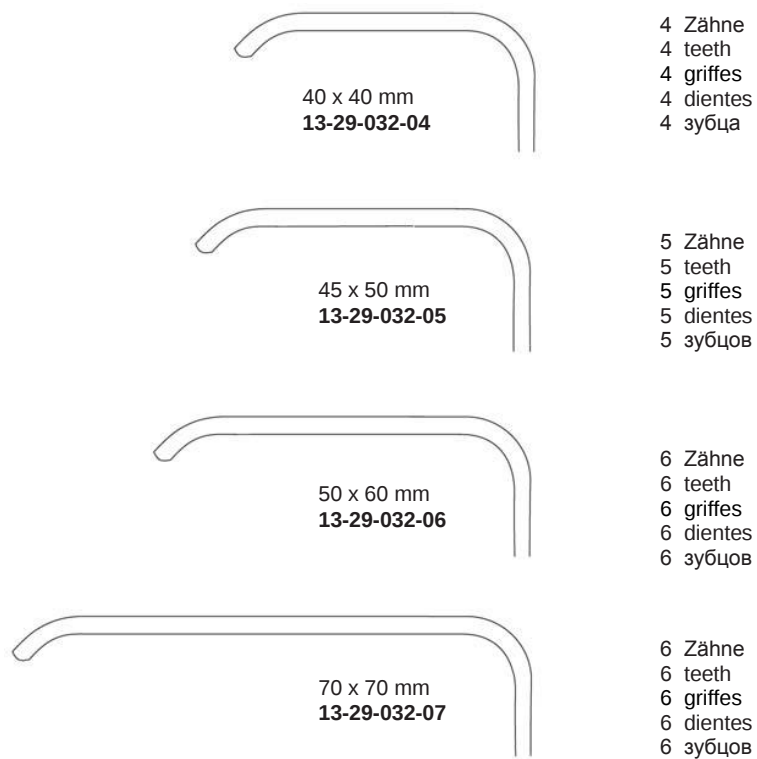
KOERTE
24,0 cm, 9½"



LANGENBECK
21,0 cm, 8¼"



KOCHER
22,0 cm, 8¾"





LANGENBECK
22,0 cm, 8 $\frac{5}{16}$ "



30 x 11 mm
13-29-110-30



30 x 14 mm
13-29-110-31



30 x 16 mm
13-29-110-32



33 x 14 mm
13-29-110-33



40 x 11 mm
13-29-110-40



42 x 13 mm
13-29-110-42



50 x 11 mm
13-29-110-50



LANGENBECK
22,0 cm, 8 $\frac{5}{16}$ "



30 x 11 mm
13-29-120-30



30 x 14 mm
13-29-120-31



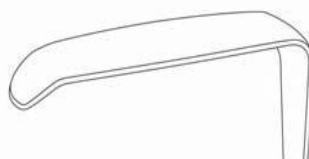
30 x 16 mm
13-29-120-32



33 x 14 mm
13-29-120-33



40 x 11 mm
13-29-120-40



42 x 13 mm
13-29-120-42



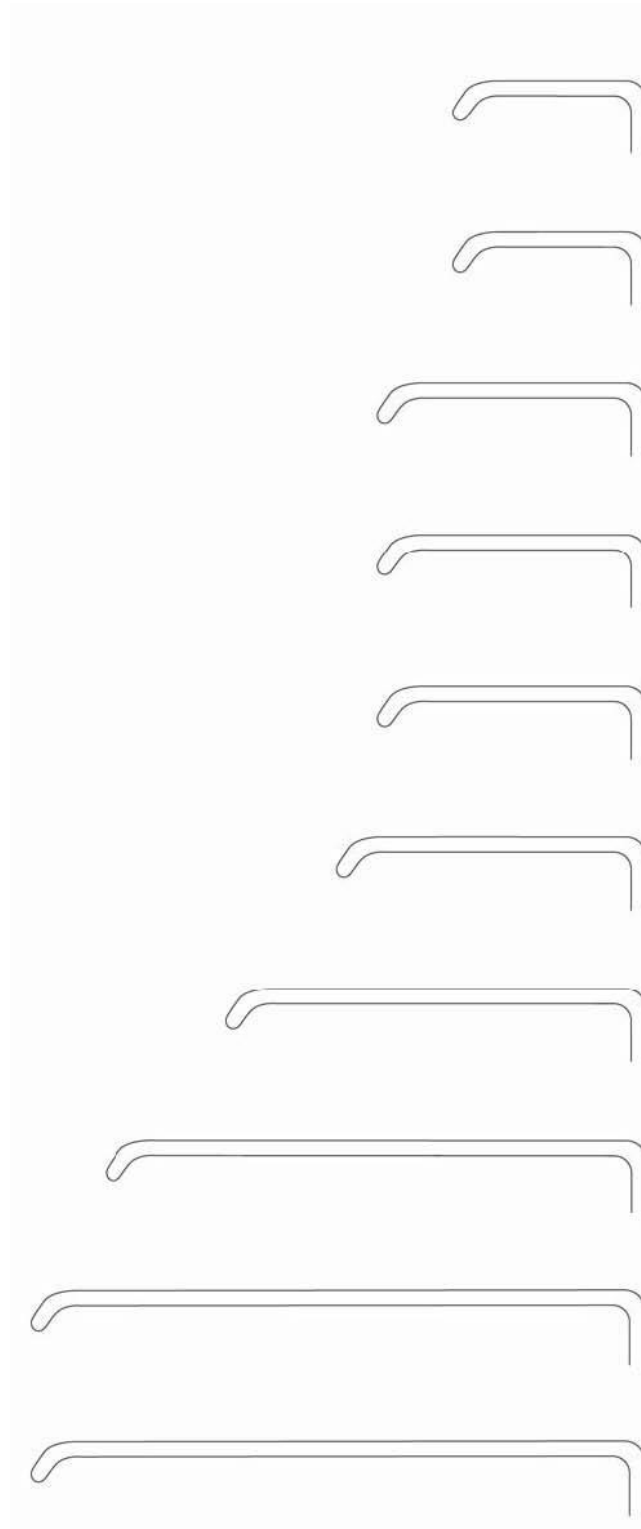
50 x 11 mm
13-29-120-50

Wundhaken
Retractors
Ecarteurs
Separadores
Ретракторы

13



KOCHER-LANGENBECK
21,5 cm, 8½"



25 x 6 mm
13-29-130-25

25 x 8 mm
13-29-130-26

35 x 8 mm
13-29-130-35

35 x 11 mm
13-29-130-36

35 x 15 mm
13-29-130-37

40 x 11 mm
13-29-130-40

55 x 11 mm
13-29-130-55

70 x 14 mm
13-29-130-70

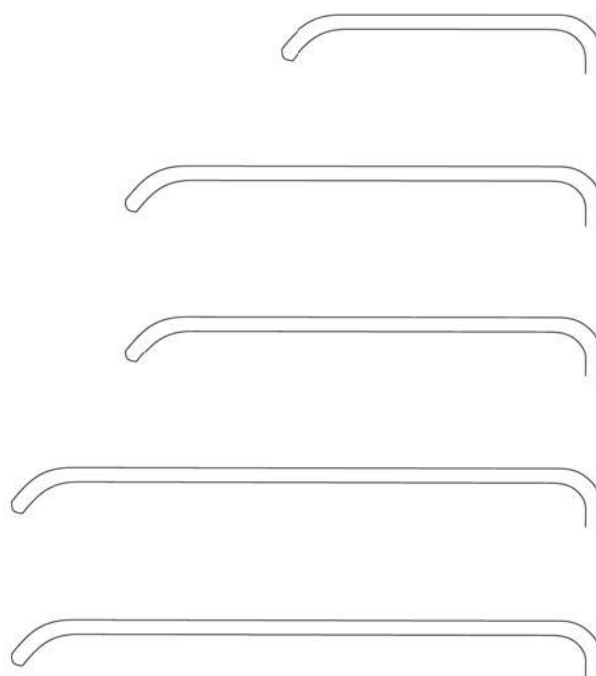
80 x 12 mm
13-29-130-80

80 x 16 mm
13-29-130-85

**Wundhaken
Retractors
Ecarteurs
Separadores
Ретракторы**



KOCHER
23,0 cm, 9"



40 x 18 mm
13-29-140-18

60 x 20 mm
13-29-140-20

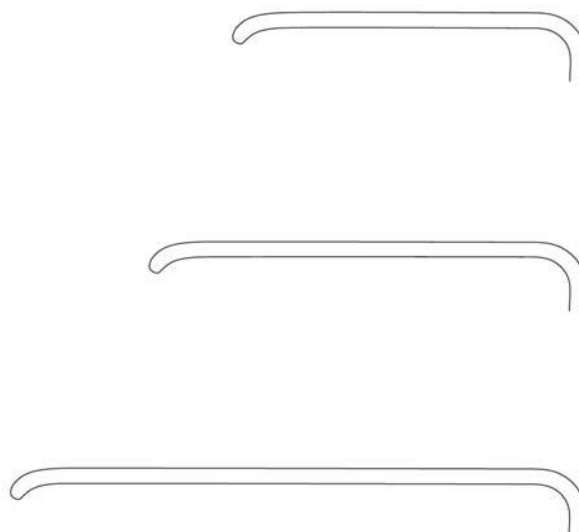
60 x 25 mm
13-29-140-25

75 x 30 mm
13-29-140-30

75 x 40 mm
13-29-140-40



SAUERBRUCH
22,5 cm, 8¾"



44 x 16 mm
13-29-150-44

55 x 22 mm
13-29-150-55

72 x 19 mm
13-29-150-72

Wundhaken
Retractors
Ecarteurs
Separadores
Ретракторы



MIDDELDORPF



21,5 cm, 8½" 14 x 17 mm
13-29-180-01



22,0 cm, 8⅝" 20 x 22 mm
13-29-180-02



23,5 cm, 9¼" 26 x 30 mm
13-29-180-03



MIDDELDORPF



21,5 cm, 8½" 14 x 17 mm
13-29-182-01



22,0 cm, 8⅝" 20 x 22 mm
13-29-182-02



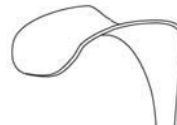
23,5 cm, 9¼" 26 x 30 mm
13-29-182-03



RICHARDSON (KELLY)
Loop Handle



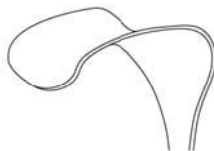
28 x 20 mm
24,0 cm, 9½"
13-29-210-01



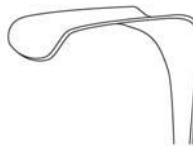
30 x 28 mm
24,0 cm, 9½"
13-29-210-02



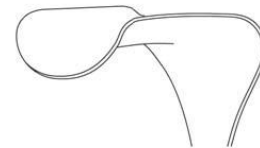
38 x 37 mm
24,0 cm, 9½"
13-29-212-03



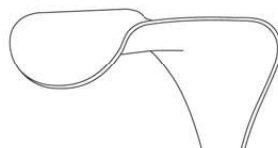
52 x 22 mm
24,0 cm, 9½"
13-29-210-04



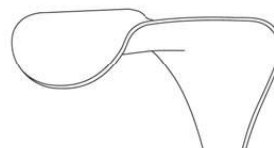
50 x 40 mm
26,0 cm, 10¼"
13-29-210-05



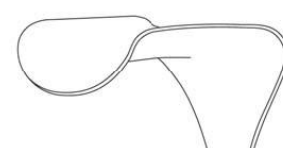
65 x 50 mm
26,0 cm 10¼"
13-29-210-06



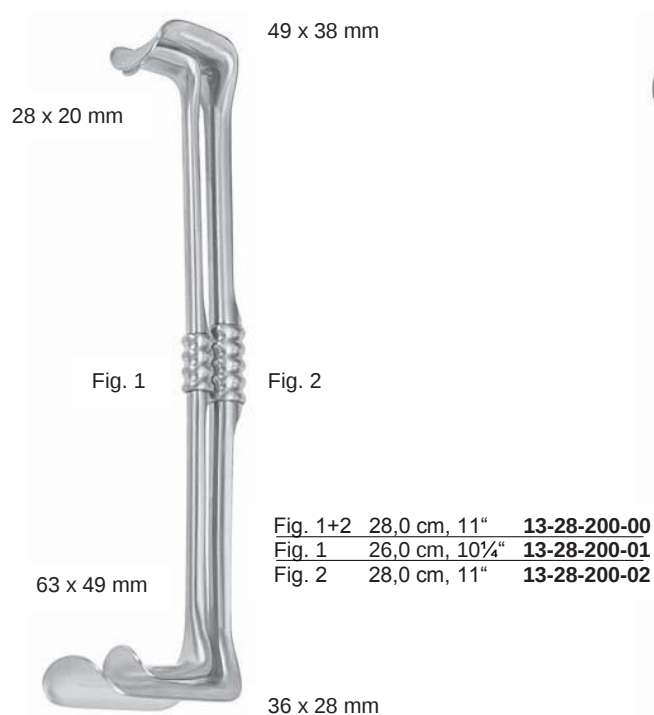
65 x 75 mm
26,0 cm 10¼"
13-29-210-07



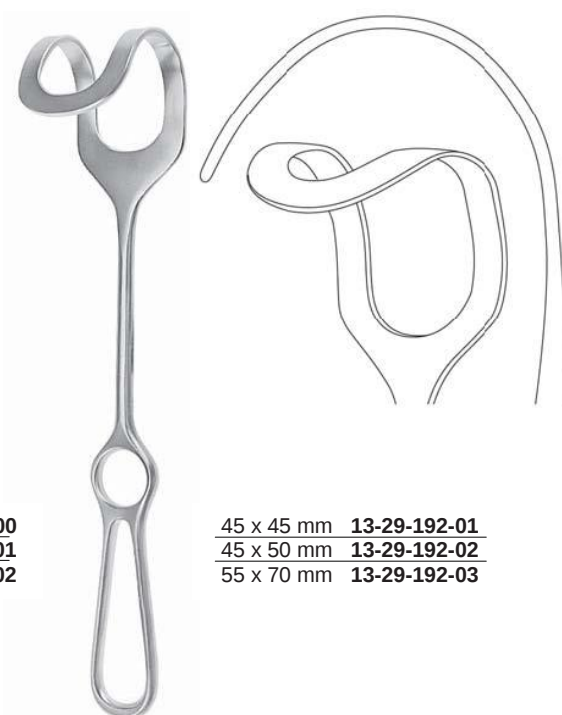
70 x 65 mm
26,0 cm 10¼"
13-29-210-08



90 x 76 mm
26,0 cm 10¼"
13-29-210-09



RICHARDSON-EASTMAN



MIDDELDORPF
25,5 cm, 10"



FRITSCH
24,0 cm, 9 1/2"

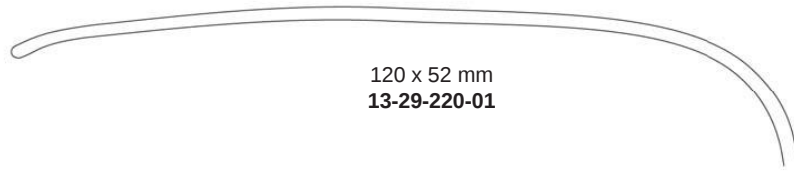


DOYEN
25,0 cm, 10" 50 x 85 mm **13-29-230-50**
26,0 cm, 10 1/4" 78 x 82 mm **13-29-230-51**

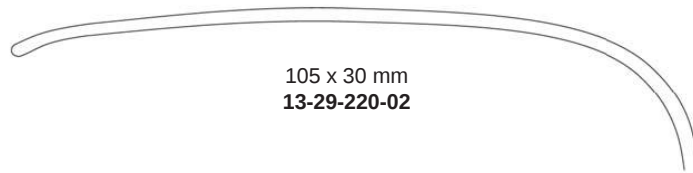
Wundhaken
Retractors
Ecarteurs
Separadores
Ретракторы



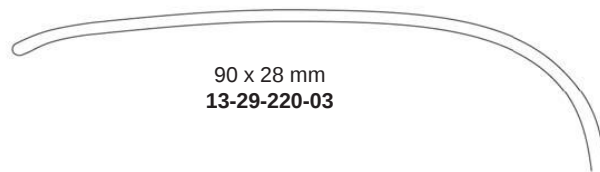
DOYEN-STILLE
22,0 cm, 8⁵/₈"



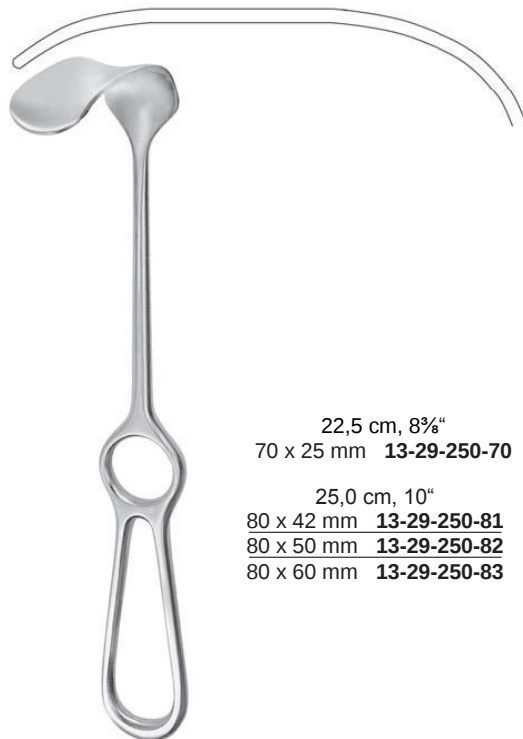
120 x 52 mm
13-29-220-01



105 x 30 mm
13-29-220-02



90 x 28 mm
13-29-220-03



KOCHER

22,5 cm, 8³/₈"
70 x 25 mm **13-29-250-70**

25,0 cm, 10"
80 x 42 mm **13-29-250-81**
80 x 50 mm **13-29-250-82**
80 x 60 mm **13-29-250-83**



LAHEY
19,0 cm, 7¹/₂"
13-61-160-19

28 x 6 mm

**Wundhaken
Retractors
Ecarteurs
Separadores
Ретракторы**



12 x 14 mm

LITTLE
20,0 cm, 8"
1329-164-20



115 x 22 mm **13-29-260-01**
115 x 27 mm **13-29-260-02**

SIMON
28,0 cm, 11"



160 x 38 mm **13-29-280-61**
160 x 57 mm **13-29-280-62**
190 x 38 mm **13-29-280-91**
190 x 57 mm **13-29-280-92**

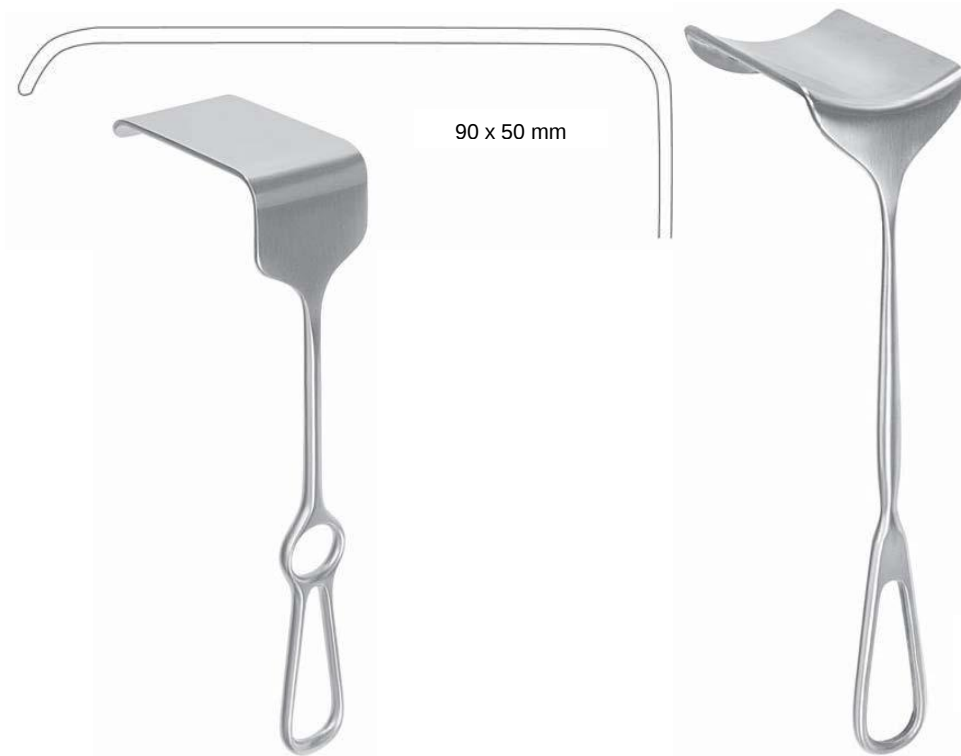
KELLY
27,0 cm, 10½"

Wundhaken
Retractors
Ecarteurs
Separadores
Ретракторы



185 x 35 mm **13-29-274-01**
120 x 50 mm **13-29-274-02**
155 x 50 mm **13-29-274-03**

MIKULICZ
26,0 cm, 10¼"



90 x 50 mm

MIKULICZ
26,0 cm, 10¼"
13-29-272-90

MORRIS
24,5 cm, 9⅝"

70 x 38 mm **13-29-290-38**
70 x 50 mm **13-29-290-50**
70 x 65 mm **13-29-290-65**

Wundhaken
Retractors
Ecarteurs
Separadores
Ретракторы



127 x 40 mm **13-29-500-40**
127 x 62 mm **13-29-500-62**

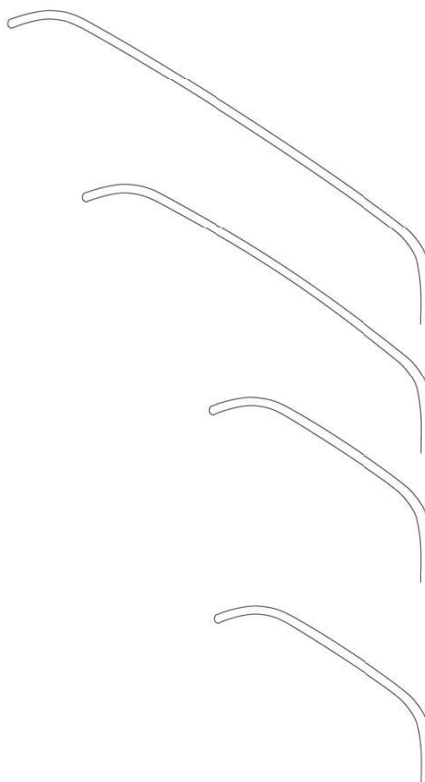
82 x 22 mm **13-29-390-01**
108 x 43 mm **13-29-390-02**
115 x 65 mm **13-29-390-03**
115 x 38 mm **13-29-390-04**

HARRINGTON
32,0 cm, 12½"

CORYKKOS
24,0 cm, 9½"



ZENKER



29,0 cm, 11¾", 120 x 12 mm
13-29-320-28

25,0 cm, 9¾", 75 x 12 mm
13-29-320-25

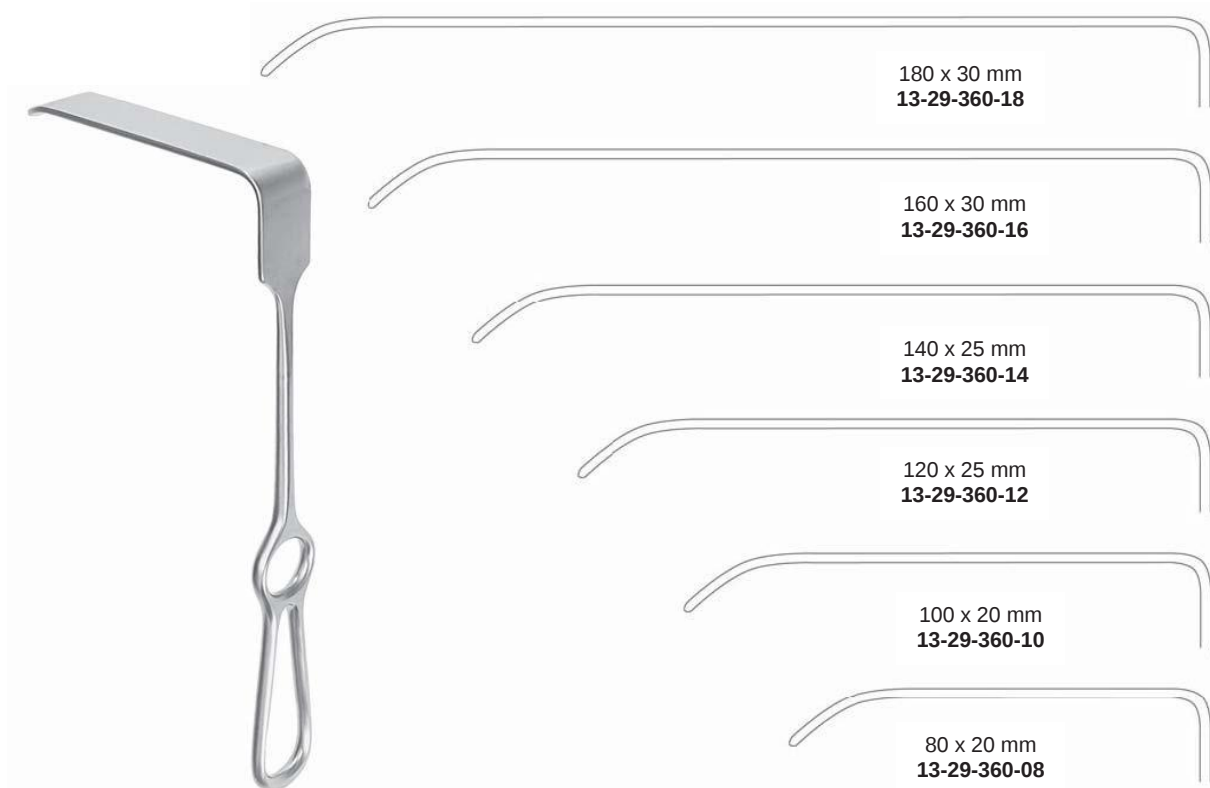
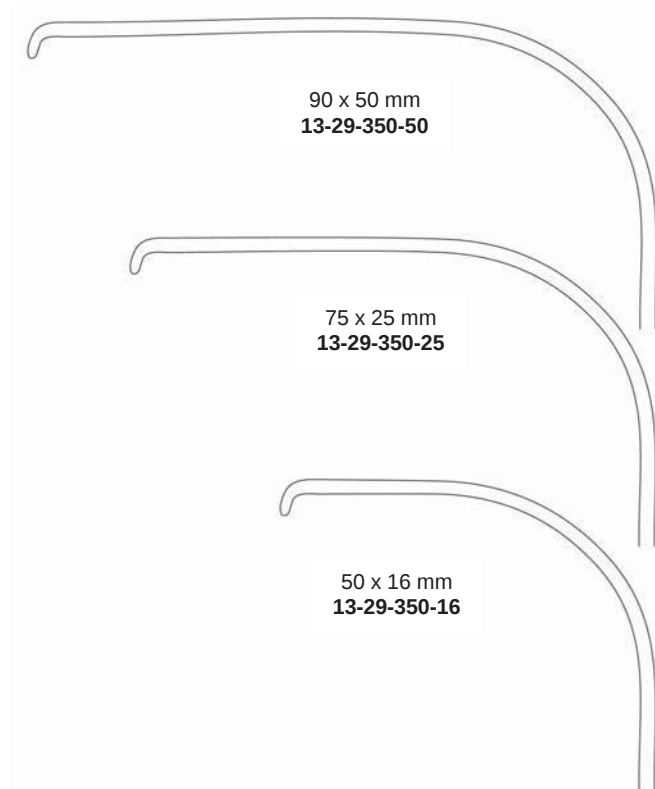
26,0 cm, 10¼", 60 x 12 mm
13-29-320-26

27,5 cm, 10¾", 35 x 8 mm
13-29-320-27

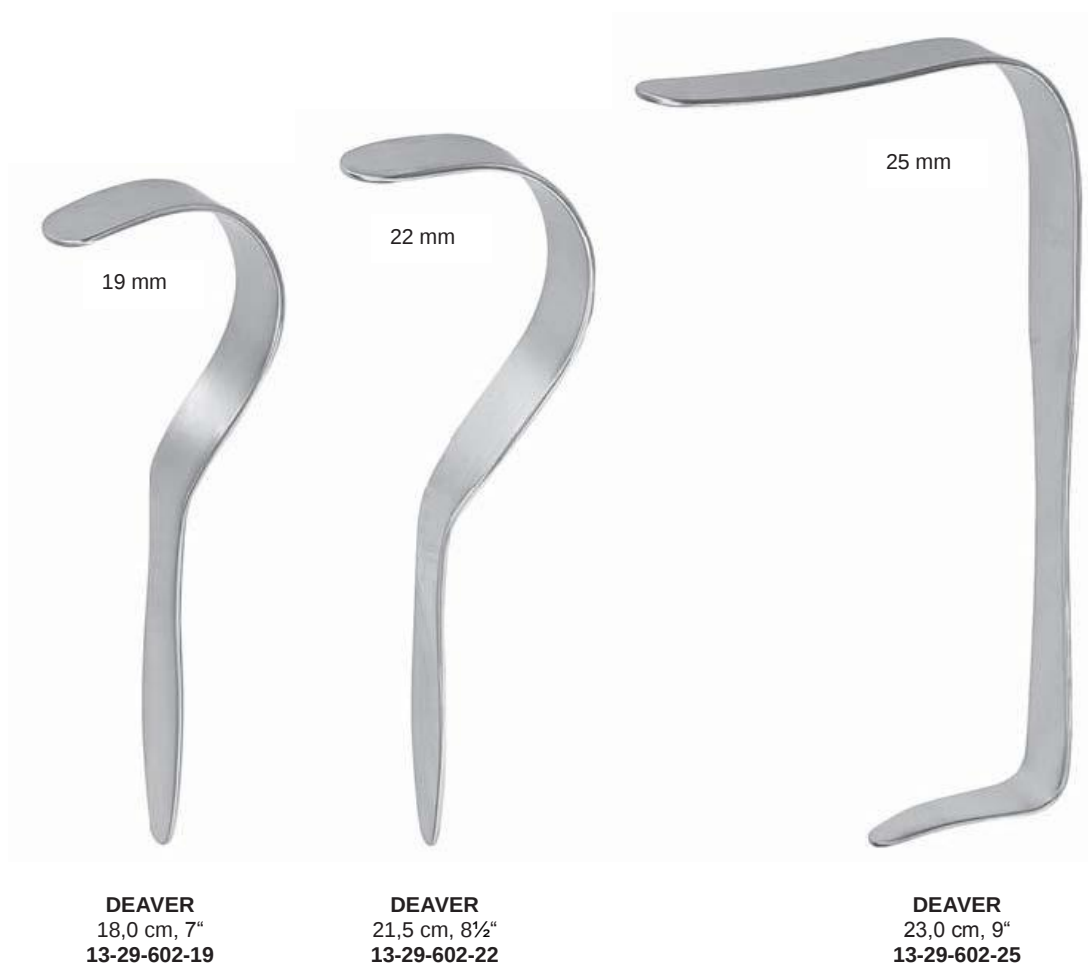
Wundhaken
Retractors
Ecarteurs
Separadores
Ретракторы



MEYERDING
22,5 cm, 8¾"



BRUNNER
25,0 cm, 10"



Wundhaken
Retractors
Ecarteurs
Separadores
Ретракторы



DEAVER
30,0 cm, 11 $\frac{3}{4}$ "
13-29-604-30



DEAVER
33,0 cm, 13"
13-29-604-33



DEAVER
36,0 cm, 14 $\frac{1}{8}$ "
13-29-604-36



DEAVER
30,0 cm, 11 $\frac{3}{4}$ "
13-29-610-38



DEAVER
30,0 cm, 11 $\frac{3}{4}$ "
13-29-610-50



DEAVER
30,0 cm, 11 $\frac{3}{4}$ "
13-29-610-75



DEAVER GRIP
30,0 cm, 11¾"

25 mm	13-29-600-25
38 mm	13-29-600-38
50 mm	13-29-600-50
75 mm	13-29-600-75
100 mm	13-29-600-76



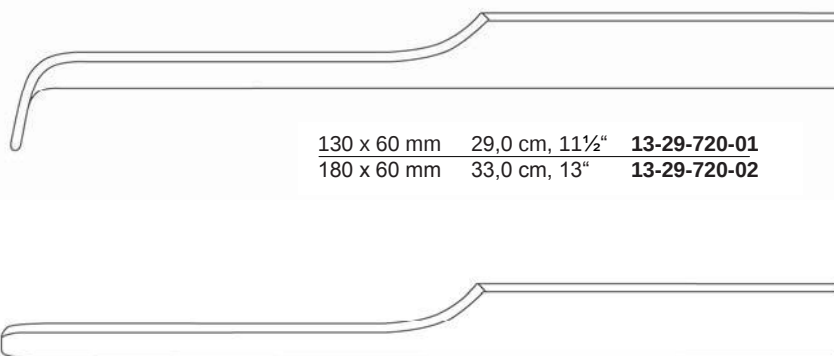
	ALLISON	
40 mm	30,0 cm, 11¾"	13-29-700-30
54 mm	32,0 cm, 12½"	13-29-700-32



	DAVIDSON	
75 x 50 mm	16,0 cm, 6¼"	13-29-710-50
75 x 90 mm	16,0 cm, 6¼"	13-29-710-90



ST. MARKS



130 x 60 mm	29,0 cm, 11½"	13-29-720-01
180 x 60 mm	33,0 cm, 13"	13-29-720-02

33,0 cm, 13" 180 x 60 mm **13-29-721-02**



38-43-108-14
14,5 cm / 5 3/4"
16 mm



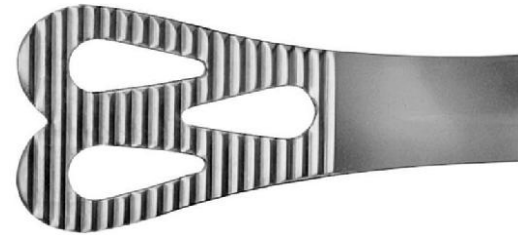
38-43-109-14
14,0 cm / 5 3/4"
19x23 mm



BUCHWALD
19,0 cm
38-43-109-19



WIEDER
38-43-115-01 - 38-43-115-02



Fi 1
38-43-115-01
14,0 cm / 5 4/8"
36 mm

Fi 2
38-43-115-02
15 cm / 5 7/8"
43 mm



HARTMANN
15 cm / 5 7/8"
38-43-111-15



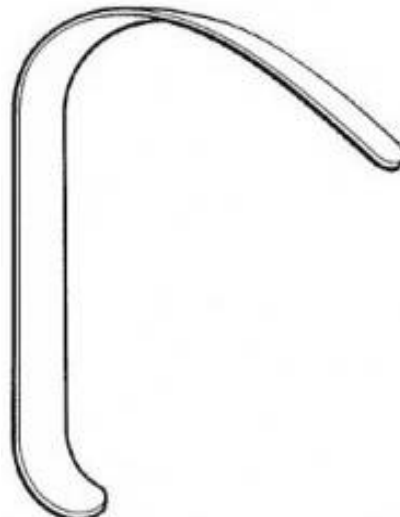
ANDREW
11 cm / 4 3/8"
38-43-117-11



□□□□□
14,5 cm / 5 3/4"
□□-4□-11□-14



□□□□□
20,0 cm / 8 1/8"
□□-4□-121-20



LACK
1□ mm
38-43-124-13
1□ mm
38-43-124-19
22 mm
38-43-124-22

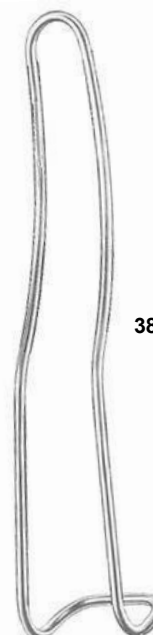


□□□□□□□
14,0 cm / 5 4/8"
□□-4□-22□-14



STERNBERG
38-43-229-12 - 38-43-229-16

38-43-227-14	14cm
38-43-227-16	16cm
38-43-227-18	18cm
38-43-229-12	12 cm
38-43-229-14	14cm
38-43-229-16	16 cm
38-43-229-18	18 cm



STERNBERG
38-43-227-14 - 38-43-229-18



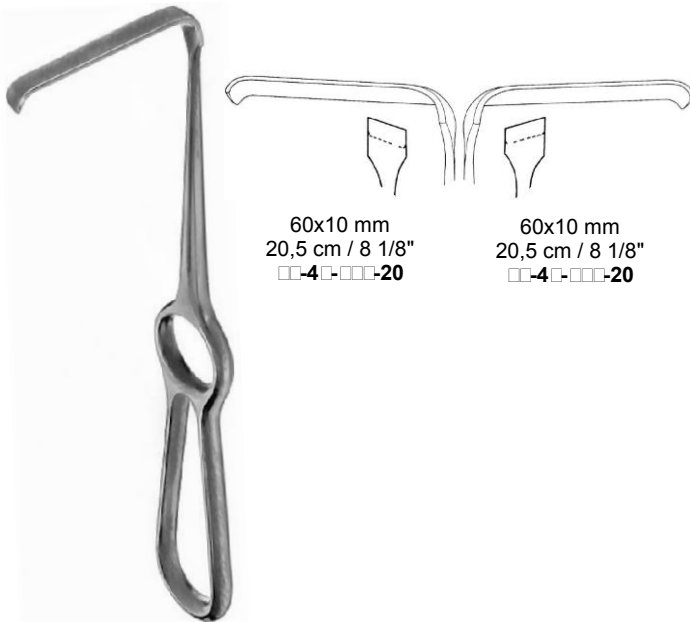
S □ □ □ □ □
 11,0 cm / 4 1/8"
 □ □ -4 □ -2 □ □ -11



□ □ □ □ □ □ □ □ □ □ S □ □ □
 14,0 cm / 5 4/8"
 □ □ -4 □ -2 □ □ -1 □



□ □ □ □ □ □ □ □ □ □ S □ □ □
 14,5 cm / 5 6/8"
 □ □ -4 □ -2 □ □ -14



60x10 mm
 20,5 cm / 8 1/8"
 □ □ -4 □ -□ □ □ -20

60x10 mm
 20,5 cm / 8 1/8"
 □ □ -4 □ -□ □ □ -20

KIRSCH
 20,5 cm / 8 1/8"
 □ □ -4 □ -□ □ □ -20 - □ □ -4 □ -□ □ □ -20



Bowdler-Henry
 16,0 cm / 6 2/8"
 38-43-590-70



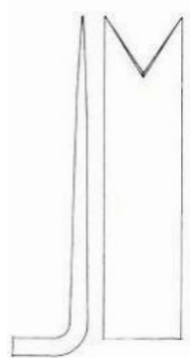
KAY (AUSTIN)
 80 mm
 38-43-590-73



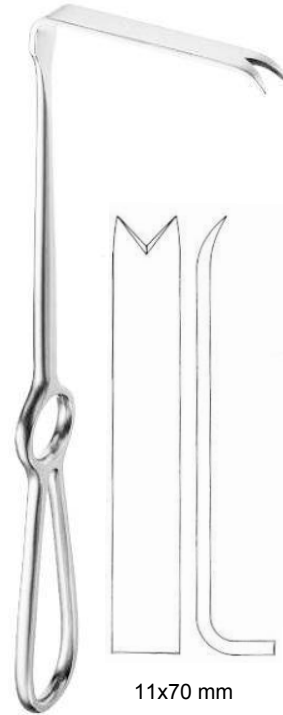
WARD
15,5 cm / 6 1/2"
38-43-590-15



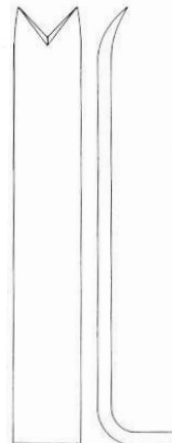
OBWEGESER
22,0 cm / 8 5/8"
38-43-595-22



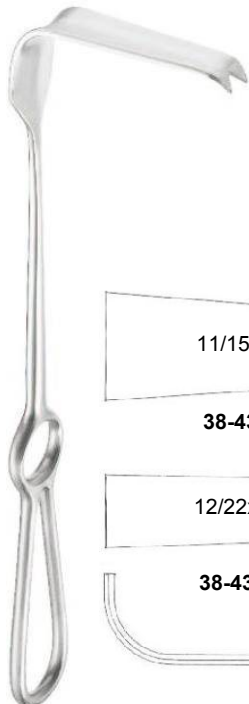
10x42 mm



OBWEGESER
22,0 cm / 8 5/8"
38-43-597-22



11x70 mm



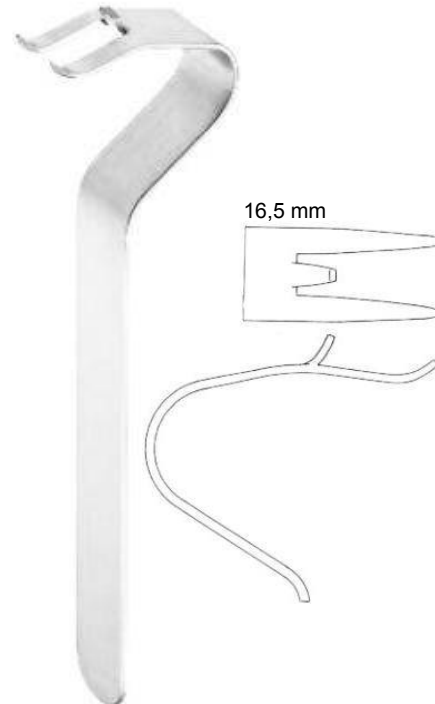
11/15x70 mm

38-43-602-11

12/22x70 mm

38-43-602-12

OBWEGESER
24,5 cm / 9 3/4"
38-43-602-11



16,5 mm

OBWEGESER
16,0 cm / 6 1/4"
38-43-601-16

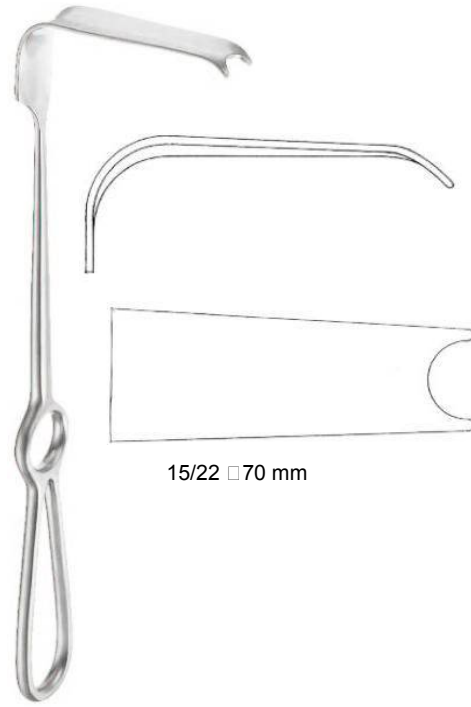
Zungenspatel, Lippenhalter
Tongue depressors, Lip retractors
Abaisse-langue, écarteurs des lèvres
Espátulas linguales, Separadores de labios
Ректракторы, шпатели для щек



8 mm
38-43-603-08

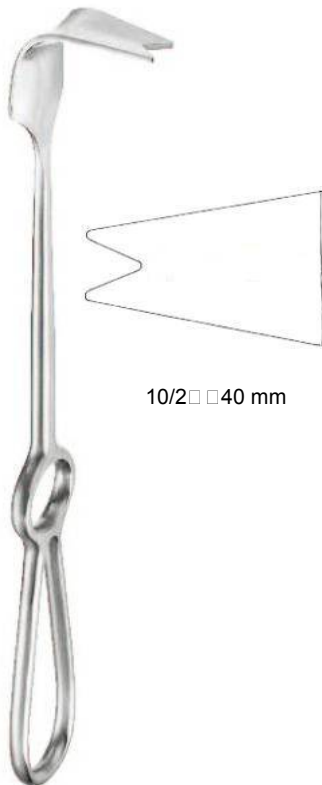
10 mm
38-43-603-10

OBWEGESER
16,5 cm / 6 4/8"
38-43-603-08 - 38-43-603-10



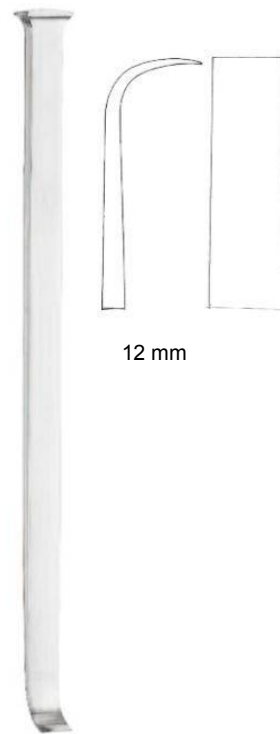
15/22 □ 70 mm

OBWEGESER
24,0 cm / □ 1/2"
38-43-603-00



10/2 □ 40 mm

OBWEGESER
24,5 cm / □ 1/2"
38-43-604-24



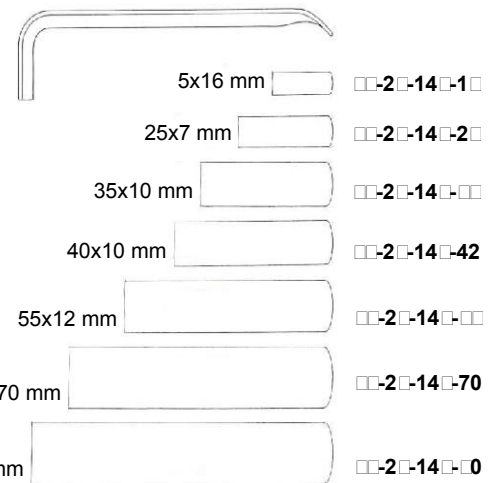
12 mm

OBWEGESER
24,0 cm / □"
38-43-605-23

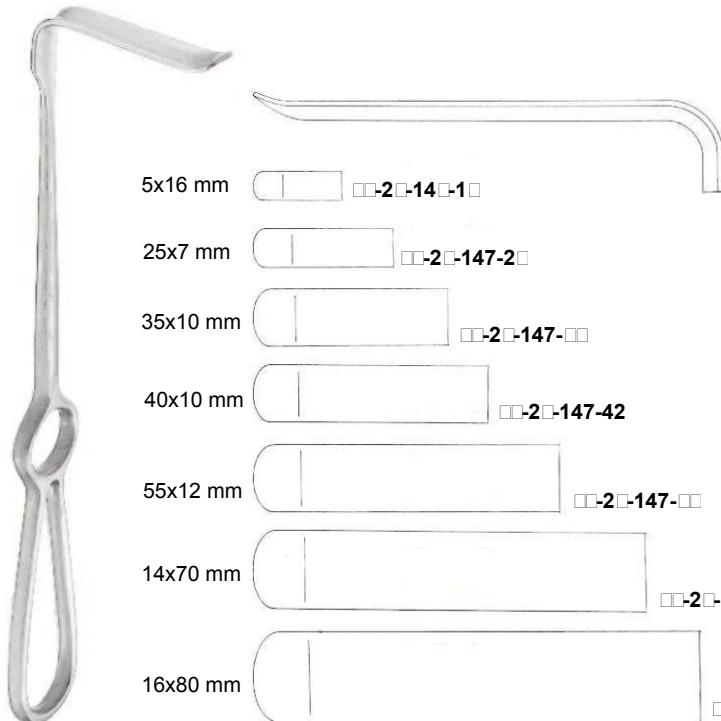


TESSIER
15 cm / 6"
9 mm
38-43-507-01

TESSIER
15 cm / 6"
9 mm
38-43-507-02



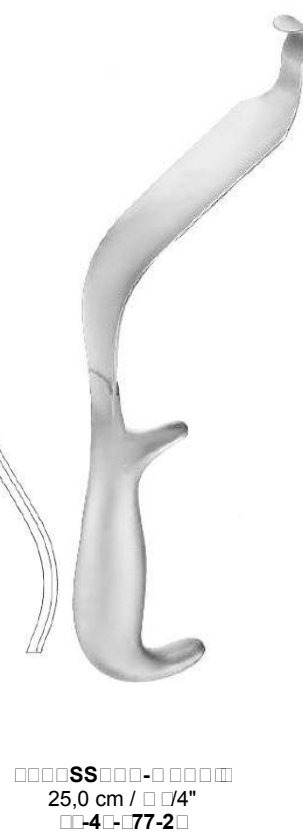
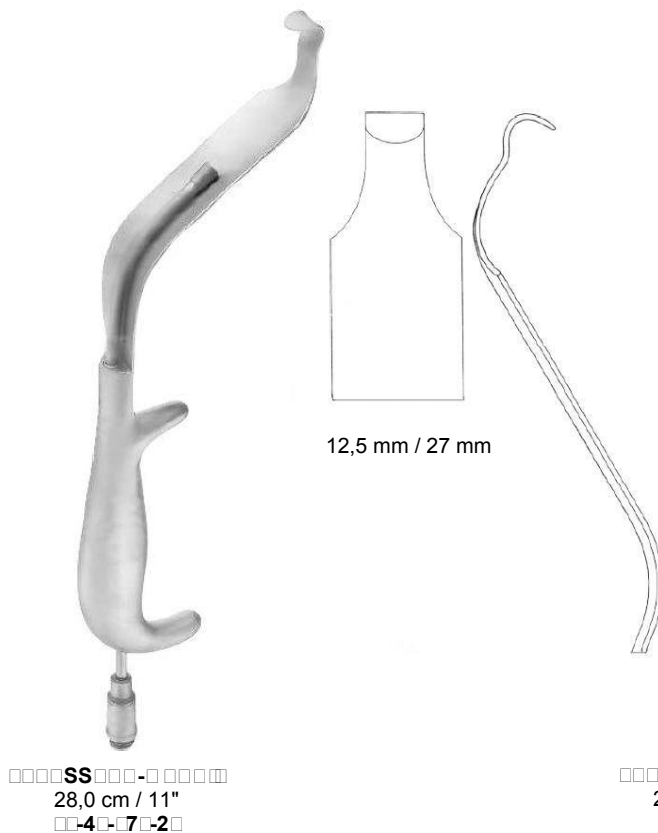
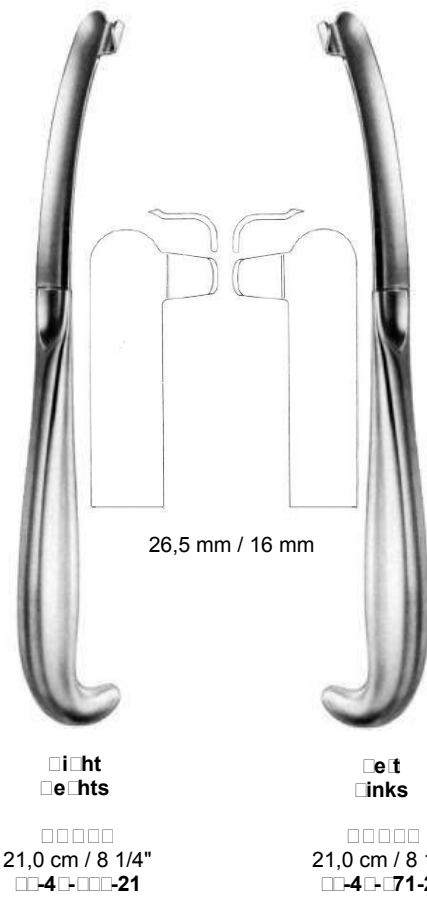
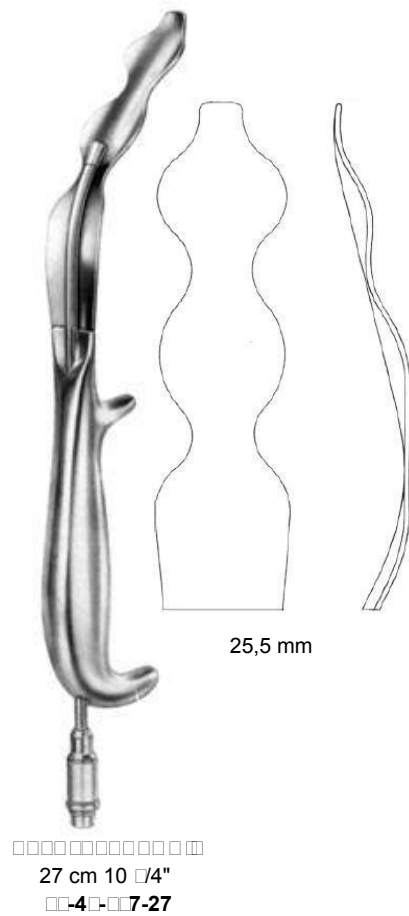
OBWEGESER
24,0 cm / 9 1/2"
38-29-146-16 - 38-29-146-80

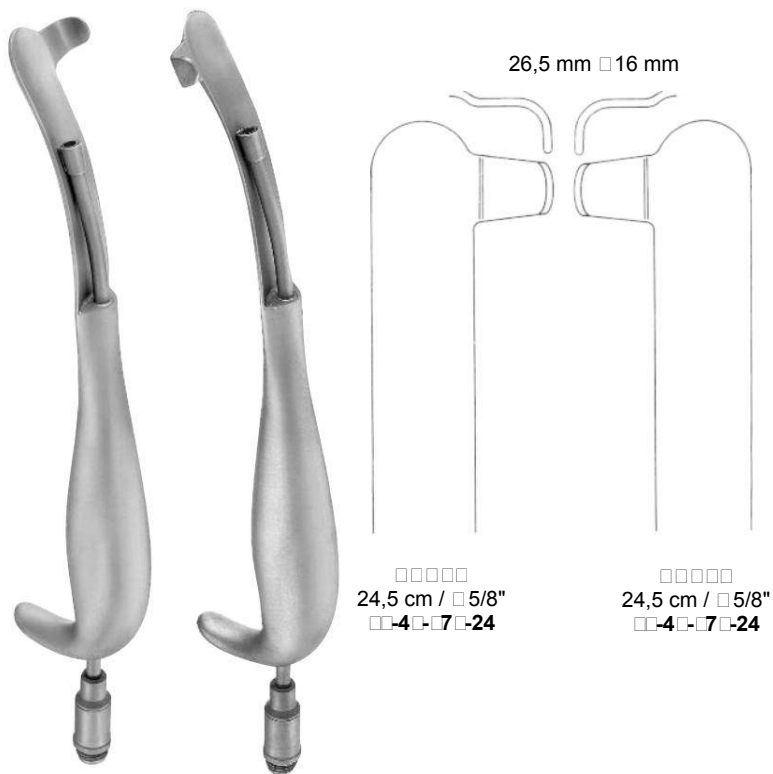


OBWEGESER
24,0 cm / 9 1/2"
38-29-146-16 - 38-29-147-80



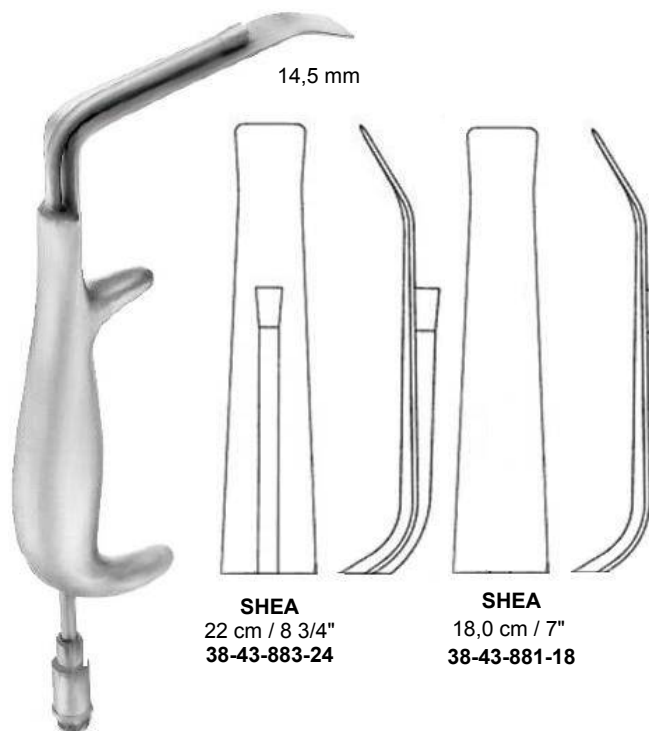
TESSIER
16,0 cm / 6 1/4"
38-43-789-30





□ □ □ □ □
 24,5 cm / □ 5/8"
 □ □ -4 □ -7 □ -24 - □ □ -4 □ -7 □ -24





DINGMANN
19,0 cm / 7 1/2"
38-43-541-10 - 38-43-541-20

Körte
30,0 cm / 11 3/4"
46 mm
13-29-171-30



KADER
28 cm / 11"
13-29-173-20 - 13-29-173-40



17/25 mm x 200 mm
 13-29-174-17

37/45 mm x 300 mm
 13-29-174-37

25/30 mm x 280 mm
 13-29-174-25

HABERER

13-29-174-17 - 13-29-174-25



40 mm

50 mm

HABERER

40 x 50 mm / 305 mm
 13-29-174-40



□□□□□□□S
 1□ cm / 7 4/8"
 □□-4□-107-1□



□au□hspatel

□bdominal Spatulas

□sp□tulas abdominales

Spatules abdominales

Spatole addominaliominali

Гибкие брюшные шпатели

13-29-172-30 □0mm, 41cm

13-29-172-40 40mm, 41cm

13-29-172-50 50mm, 41cm

13-29-172-60 60mm, 41cm

13-29-172-70 70mm, 41cm



8X155 mm
17-24-701-0

14X155 mm
17-24-701-14

17X155 mm
17-24-701-17

H □ □ □ □ □

15,5 cm / 6 1/8"

17-24-701-0 - 17-24-701-17



11X155 mm
17-24-711-11

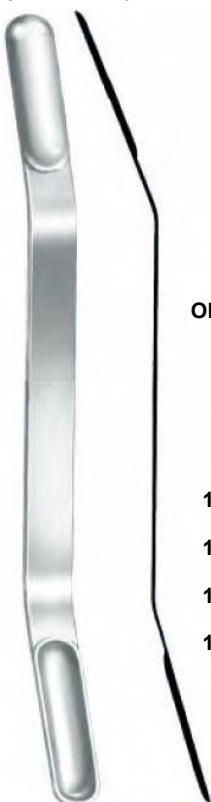
14X200 mm
17-24-711-14

17X200 mm
17-24-711-17

20X200 mm
17-24-711-20

H □ □ □ □ □

17-24-711-11 - 17-24-711-20



OLIVERCRONA
konkav
concave
cóncava
concave
concaua
вогнутый

17-24-703-18

7+9 mm

17-24-705-18

11+13 mm

17-24-707-18

15+18 mm

17-24-709-18

18+22 mm



OLIVERCRONA
konvex
convex
convexa
convexe
convessa
выпуклый

17-24-713-18

7+9 mm

17-24-715-18

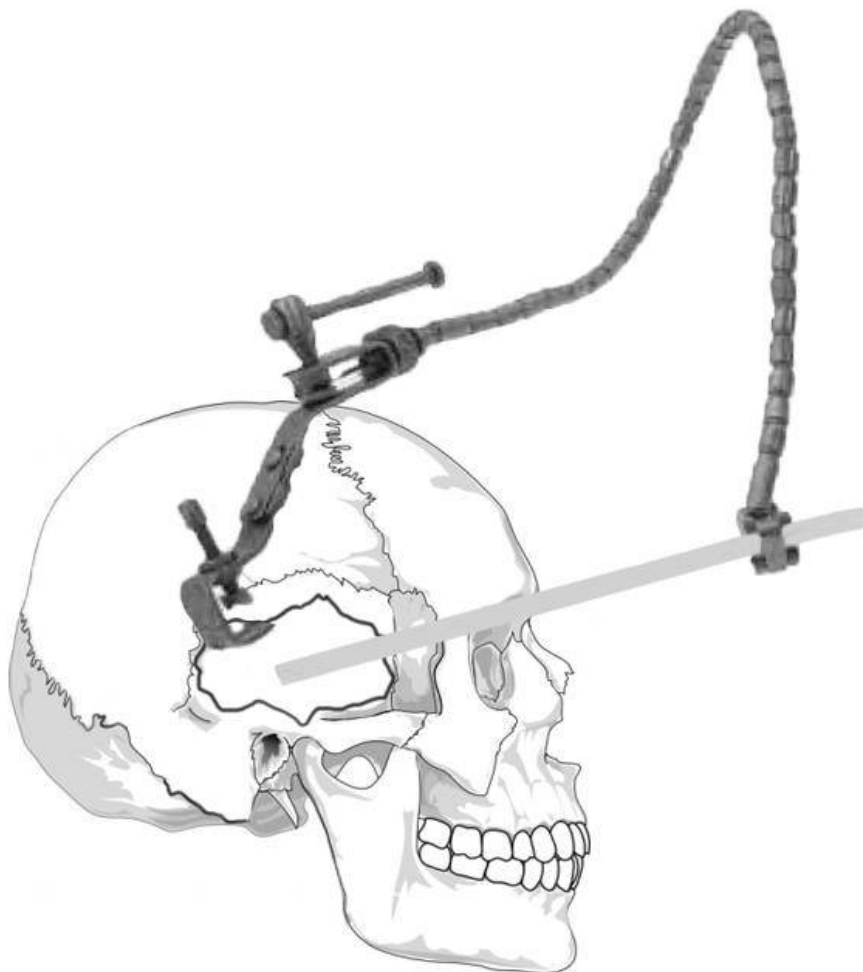
11+13 mm

17-24-717-18

15+18 mm

17-24-719-18

18+22 mm



LEYLA
17-24-702-07

Komplett, bestehend aus / A set consisting of / Completo, Compuesto de / Complet, composé de / Completo, composta da / Комплект включающий:

Spannarm, flexibel
Flexible arm
Brazo, flexible
Bras flexible
Braccio flessibile
Гибкий рукав

1

17-24-702-03



Fixiervorrichtung für 1 Spannarm
Fixation base for 1 arm
Fijador para 1 brazo
Base de fixation pour 1 bras
Base di fissaggio per 1 braccio
Крепежная площадка для одного рукава

1

17-24-702-04

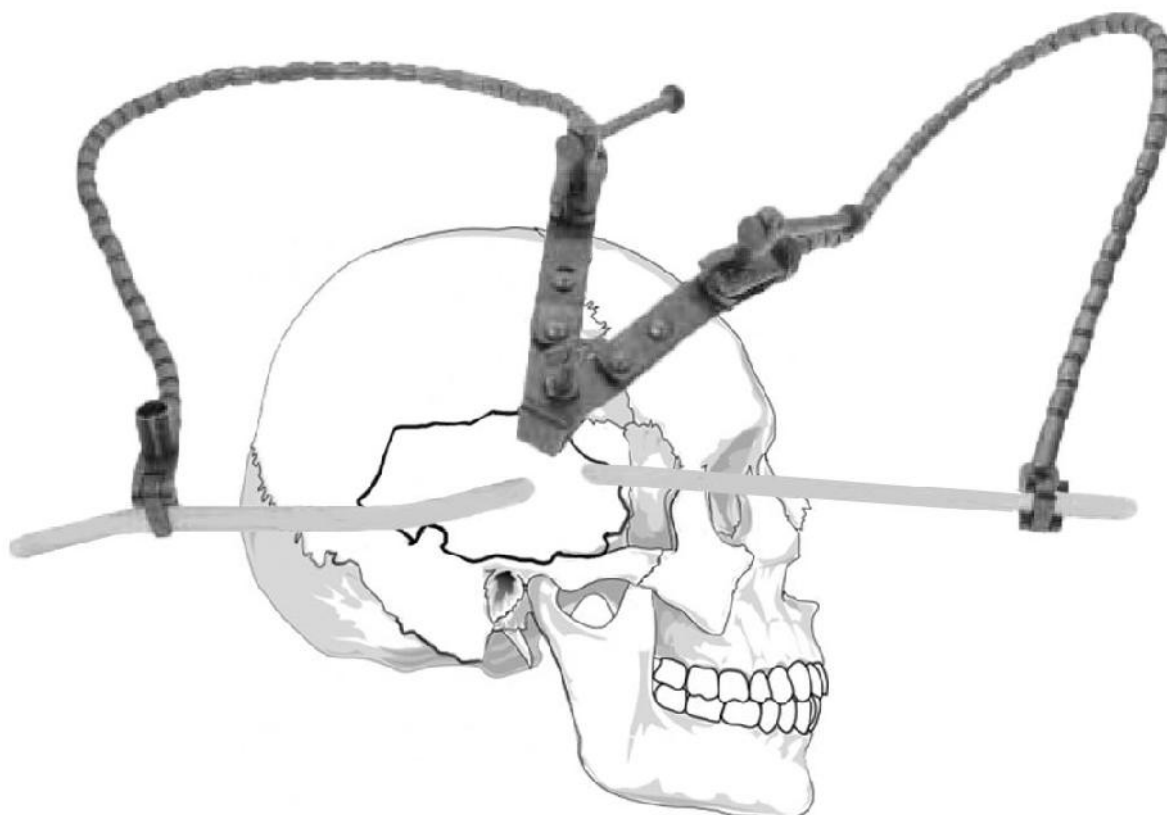


Spatelhalter für flache Spatel
Support for flat brain spatulas
Porta-espátula para espátulas planas
Support pour spatules plats
Supporto per spatole cervicali piatte
Зажим для гибких шпателей

1

17-24-702-08





LEYLA

17-24-702-02

Komplett, bestehend aus / A set consisting of / Completo, Compuesto de / Complet, composé de / Completo, composta da / Комплект включающий:

13

Spannarm, flexibel
 Flexible arm
 Brazo, flexible
 Bras flexible
 Braccio flessibile
 Гибкий рукав

2

17-24-702-03



Fixiervorrichtung für 2 Spannarme
 Fixation base for 2 arms
 Fijador para 2 brazos
 Base de fixation pour 2 bras
 Base di fissaggio per 2 braccia
 Крепежная площадка для двух рукавов

1

17-24-702-05



Spatelhalter für flache Spatel
 Support for flat brain spatulas
 Porta-espátula para espátulas planas
 Support pour spatules plats
 Supporto per spatole cervicali piate
 Зажим для гибких шпателей

2

17-24-702-08





LEYLA

17-24-702-03

Spannarm zum Aufstecken auf Kupplungsköpfe 17-24-702-15 / 17-24-702-16 und Fixiervorrichtungen 17-24-702-04 / 17-24-702-05 / 17-24-702-06

Flexible arm for attaching coupling heads 17-24-702-15 / 17-24-702-16 and fixation bases 17-24-702-04 / 17-24-702-05 / 17-24-702-06

Brazo para colocar sobre el acopamiento 17-24-702-15 / 17-24-702-16

y los fijadores 17-24-702-04 / 17-24-702-05 / 17-24-702-06

Bras flexible pour fixation aux têtes d'accouplement 17-24-702-15 / 17-24-702-16

et base de fixation 17-24-702-04 / 17-24-702-05 / 17-24-702-06

Braccio flessibile per il fissaggio delle teste di accoppiamento

17-24-702-15 / 17-24-702-16 e le basi di fissaggio 17-24-702-04 / 17-24-702-05

/17-24-702-06

Гибкий рукав для прикрепления соединяющих головок 17-24-702-15 / 17-24-702-16

и крепежных площадок 17-24-702-04 / 17-24-702-05 / 17-24-702-06



LEYLA

17-24-702-05

Fixiervorrichtung für 2 Spannarme 17-24-702-03, zum Festschrauben am Schädel

Fixation base for 2 flexible arms 17-24-702-03, for skull mounting

Fijador para 2 brazos 17-24-702-03, para atornillar al cráneo

Base de fixation pour 2 bras 17-24-702-03, pour fixer au crâne

Base di fissaggio per 2 bracci flessibili 17-24-702-03, per il supporto del cranio

Крепежная площадка для двух рукавов 17-24-702-03, фиксируется на черепе



LEYLA

17-24-702-07

Spatelhalter mit Rundschaft bis Ø 5,5 mm, zur Befestigung am

Spannarm 17-24-702-03

Support for brain spatulas with round shaft up to Ø 5.5 mm,

fixation to flexible arm 17-24-702-03

Porta-espátula con vástago redondo hasta Ø 5,5 mm,

para sujetarlo al brazo 17-24-702-03

Support pour spatules avec tiges ronds jusqu'à Ø 5,5 mm,

pour fixation au bras 17-24-702-03

Supporto per spatola craniale con diametro asse Ø 5,5 mm,

fissato al braccio flessibile 17-24-702-03

Держатель мозговых шпателей с круглой рукояткой с Ø до 5.5 мм,

крепится к гибкому рукаву 17-24-702-03

LEYLA

17-24-702-08

Spatelhalter für flache Spatel, zur Befestigung am Spannarm 17-24-702-03

Support for flat brain spatulas, fixation to flexible arm 17-24-702-03

Держатель плоских мозговых шпателей, крепится к гибкому рукаву 17-24-702-08

Porta-espátula para espátulas planas, para sujetarlo al brazo 17-24-702-03

Support pour tiges plats, pour fixation 17-24-702-03

Supporto per spatola cervicale piatta, fissato al braccio flessibile 17-24-702-03



LEYLA

17-24-702-04

Fixiervorrichtung für 1 Spannarm 17-24-702-03, zum

Festschrauben am Schädel

Fixation base for 1 flexible arm 17-24-702-03, for skull mounting

Fijador para 1 brazo 17-24-702-03, para atornillar al cráneo

Base de fixation pour 1 bras 17-24-702-03, pour fixer au crâne

Base di fissaggio per 1 braccio flessibile 17-24-702-03, per il

supporto del cranio

Крепежная площадка для одного рукава 17-24-702-03

фиксируется на черепе



LEYLA

17-24-702-06

Fixiervorrichtung für 1 Spannarm 17-24-702-03, zum

Festschrauben an Rohrteilen bis Ø 16 mm

Fixation base for 1 flexible arm 17-24-702-03, for mounting to bars up to Ø 16 mm

Fijador para 1 brazo 17-24-702-03, para atornillar a tubos hasta Ø 16 mm

Base de fixation pour 1 bras 17-24-702-03, pour fixer aux tubes jusqu'à Ø 16 mm

Base di fissaggio per 1 braccio flessibile 17-24-702-03, per il

supporto di asta di raccordo da Ø 16 mm

Крепежная площадка для одного рукава 17-24-702-03, для

соединения с прутьями Ø до 16 мм



Retraktoren zur Fixation am Tisch
 Selbsthaltender Retraktor, Fixation to Operationstisch
 Separadores para la fijación a la mesa de operaciones
 Écarteurs pour fixation à la table d'opération
 Auto fissatore per retrattori, da fissare alla tavola operatoria
 Самоудерживающийся мозговой ретрактор с креплением к операционному столу



LEYLA 17-24-702-11

Selbsthaltender Hirnspatel mit 1 Spannarm, komplett, bestehend aus: / Self-retaining brain retractor with 1 flexible arm, complete, consisting of: / Separador automático para el cerebro con 1 brazo, completo, compuesto de: / Ecarteur du cerveau autofixant avec 1 bras complet, composé de: / Autofissatore per retrattori cervicali con 1 braccio flessibile, composta da: Ретрактор с одним гибким рукавом, комплект включающий

1
 17-24-702-13
 1
 17-24-702-14
 1
 17-24-702-15
 1
 17-24-702-03
 1
 17-24-702-07

1
 17-24-702-13
 1
 17-24-702-14
 1
 17-24-702-15
 1
 17-24-702-03
 1
 17-24-702-07

1
 17-24-702-13
 1
 17-24-702-14
 1
 17-24-702-15
 1
 17-24-702-03
 1
 17-24-702-07

1
 17-24-702-13
 1
 17-24-702-14
 1
 17-24-702-15
 1
 17-24-702-03
 1
 17-24-702-07

1
 17-24-702-13
 1
 17-24-702-14
 1
 17-24-702-15
 1
 17-24-702-03
 1
 17-24-702-07

1
 17-24-702-13
 1
 17-24-702-14
 1
 17-24-702-15
 1
 17-24-702-03
 1
 17-24-702-07





LEYLA 17-24-702-12

Selbsthaltender Hirnspatel mit 2 Spannarmen, komplett, bestehend aus: / Self-retaining brain retractor with 2 flexible arms, complete, consisting of: / Separador automático para el cerebro con 2 brazos, completo, compuesto de: / Ecarteur du cerveau autofixant avec 2 bras complet, composé de: / Autofissatore per retrattori cervicali con 2 bracci flessibile, composta da: / Ретрактор с двумя гибкими рукавами, комплект включающий

13

Kugelgelenkkloben
 Ball and socket joint
 Articulación esférica
 Articulation sphérique
 Giunto a sfera
 Шаровое колено

1

17-24-702-13



Kugelgelenkkloben
 Holding rod
 Brazo de apoyo
 Bras de fixation
 Porta asta
 Удерживающий стержень

1

17-24-702-14



Kupplungskopf
 Coupling head
 Acoplamiento
 Tête d'accouplement
 Teste accoppiamento
 Соединяющая головка

2

17-24-702-16



Spannarme
 Flexible arms
 Brazos
 Bras flexibles
 Braccio flessibili
 Гибкий рукав

2

17-24-702-03



Spatelhalterung, für flache Spatel
 Support, for flat brain spatulas
 Porta-espátula, para espátulas planas
 Support pour spatules plats
 Supporto per spatola craniale piatta
 Держатель для гибких шпателей

1

17-24-702-08



Spatelhalterung, für Spatel mit rundem Griff
 Support, for brain spatulas with round shaft
 Porta-espátula para espátulas con mangos redondos
 Support pour spatules avec manches ronds
 Supporto per spatola craniale con albero rotondo
 Держатель мозговых шпателей с круглой рукояткой

1

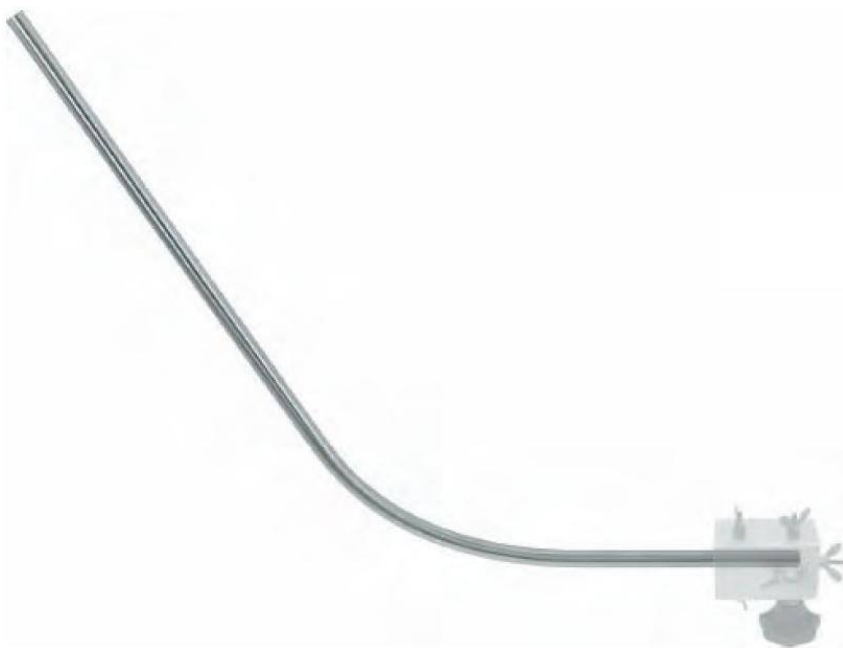
17-24-702-07





LEYLA 17-24-702-13

Kugelgelenkkloben zur Befestigung des Haltearms **17-24-702-14** an P-Tisch-Schienen
Ball and socket joint for fixation rod **17-24-702-14** to pole of operating table
Articulación esférica para sujetar los brazos de apoyo **17-24-702-14** sobre la mesa de operaciones
Articulation sphérique pour fixation du bras **17-24-702-14** aux bandes de la table d'operation
Giunto a sfera ad incastro per il fissaggio dell'asta **17-24-702-14** all'estremità del tavolo operatorio
Шаровое колено для крепления удерживающего стержня **17-24-702-14** к операционному столу



LEYLA 17-24-702-14

Haltearm zur Fixation im Kugelgelenkkloben 17-24-702-13 und zur Aufnahme der Kupplungsköpfe 17-24-702-16 / 17-24-702-15
Holding rod for fixation in ball and socket joint 17-24-702-13 and to take couplingheads 17-24-702-15 / 17-24-702-16
Brazo de apoyo para fijar la articulación esférica 17-24-702-13 y los acoplamientos 17-24-702-15 / 17-24-702-16
Bras de fixation à l'articulation sphérique 17-24-702-13 et aux têtes d'accouplement 17-24-702-15 / 17-24-702-16
Porta asta per il fissaggio al giunto a sfera 17-24-702-13 e alle teste di accoppiamento 17-24-702-15 / 17-24-702-16
Удерживающий стержень для шарового колена 17-24-702-13 и соединяющих головок 17-24-702-15 / 17-24-702-16



LEYLA 17-24-702-15

Kupplungskopf zur Aufnahme von 1-5 Spannarmen **17-24-702-03**
 Coupling head to take 1-5 flexible arms **17-24-702-03**
 Acoplamiento para sujetar 1-5 brazos **17-24-702-03**
 Tête d'accouplement pour 1-5 bras flexibles **17-24-702-03**
 Testa accoppiamento per 1-5 bracci flessibili **17-24-702-03**
 Головка соединяющая до 5 гибких рукавов **17-24-702-03**

13



LEYLA 17-24-702-16

Kupplungskopf, drehbar, in allen Ebenen fixierbar zur Aufnahme von 1 Spannarm **17-24-702-03**
 Coupling head, turnable, can be fixed in any position, to take 1 flexible arm **17-24-702-03**
 Acoplamiento, girable y se puede fijar en todas las posturas para sujetar un brazo **17-24-702-03**
 Tête d'accouplement, rotative, peut être fixée en toute position, pour tenir 1 bras flexible **17-24-702-03**
 Testa accoppiamento, può essere fissata in qualsiasi posizione, supporta 1 braccio flessibile **17-24-702-03**
 Соединяющая головка, вращаемая, крепится в любом положении, для одного гибкого рукава **17-24-702-03**