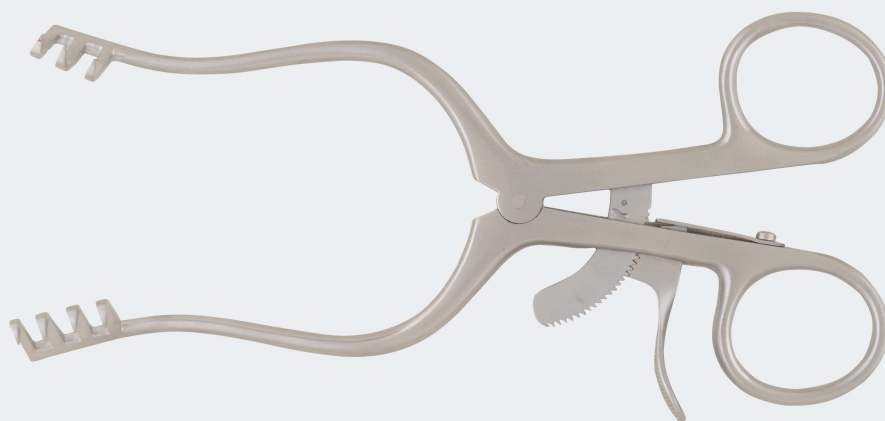
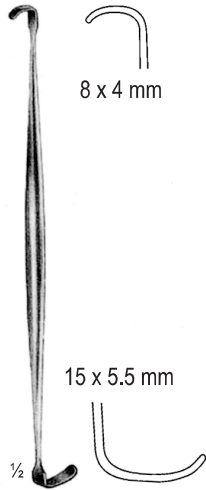




- EN** Retractors
- DE** Wundhaken
- ES** Separadores

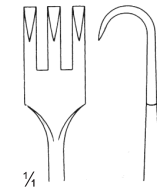
Page 146 to 216



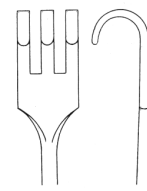
RAGNELL-DAVIS
DF-89-1169
14 cm/5 1/2"



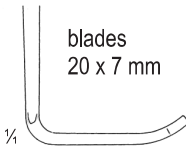
SENN-MILLER
16 cm/6 1/4"



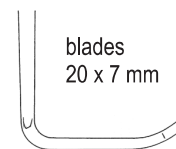
DF-89-1170
sharp prongs



DF-89-1171
blunt prongs



blades
20 x 7 mm



blades
20 x 7 mm



CUSHING
DF-89-1172
20 cm/7 7/8"



CUSHING

20 cm/7 7/8"
24 cm/9 1/2"



DF-89-1173
DF-89-1179
8 mm



DF-89-1174
DF-89-1180
10 mm



DF-89-1175
DF-89-1181
12 mm



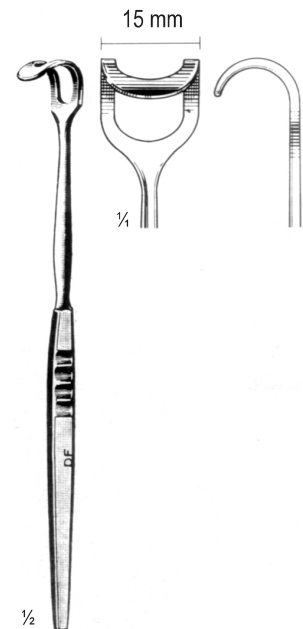
DF-89-1176
DF-89-1182
14 mm



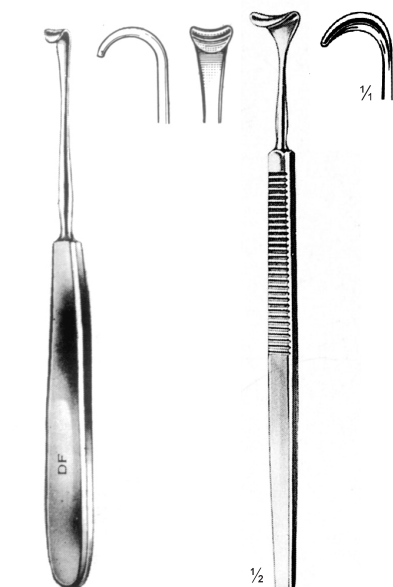
DF-89-1177
DF-89-1183
16 mm



DF-89-1178
DF-89-1184
18 mm

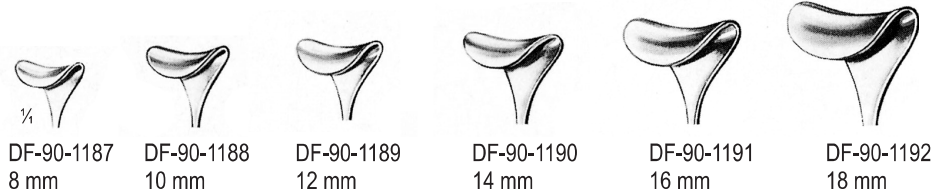


HANDTE
DF-89-1185
17 cm/6 3/4"



DESMARRES
DF-90-1186
16 cm/6 1/4"

DESMARRES
16 cm/6 1/4"



DF-90-1187
8 mm

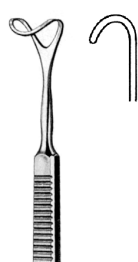
DF-90-1188
10 mm

DF-90-1189
12 mm

DF-90-1190
14 mm

DF-90-1191
16 mm

DF-90-1192
18 mm



16 cm/6 1/4"



DF-90-1193
12 mm



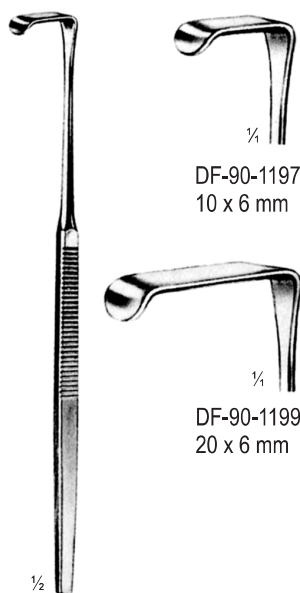
DF-90-1194
14 mm



DF-90-1195
16 mm



DF-90-1196
18 mm



MINI-LANGENBECK
16 cm/6 1/4"



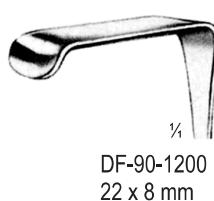
DF-90-1197
10 x 6 mm



DF-90-1198
17 x 5 mm



DF-90-1199
20 x 6 mm



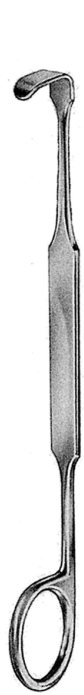
DF-90-1200
22 x 8 mm



MINI-LANGENBECK
DF-90-1201
16 cm/6 1/4"

Measurements of retractors: Depth x Width





MEYERDING
18 cm/7 1/8"



DF-91-1202
18 x 7 mm



DF-91-1203
16 x 5 mm



DF-91-1204
7 x 4 mm



DF-91-1205
10 x 3 mm



DF-91-1206
7 x 4 mm



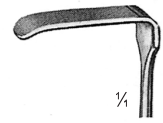
DF-91-1207
10 x 4 mm



SENN-GREEN
15 cm/5 7/8"



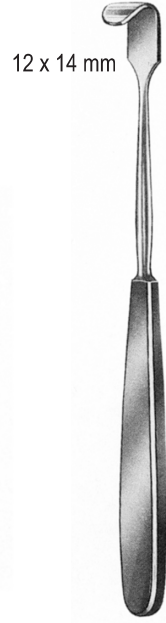
10 x 6 mm
DF-91-1209



20 x 6 mm
DF-91-1208



LAHEY
DF-91-1210
19 cm/7 1/2"



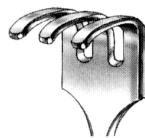
LITTLE
DF-91-1211
20 cm/7 7/8"



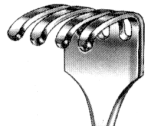
KLAPP
17.5 cm/6 7/8"



DF-91-1212
13 x 6 mm



DF-91-1213
12 x 11 mm



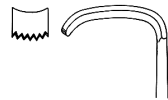
DF-91-1213A
15 x 12 mm



STRANDELL-STILLE
19 cm/7 1/2"



DF-91-1214



DF-91-1215

toothed



1/4
DF-91-1216
19 x 12 mm



1/4
DF-91-1217
21 x 14 mm



KOCHER
19 cm/7 1/2"

Measurements of retractors: Depth x Width

14 RETRACTORS



DEPUY Inferior Posterior Capsular Retractor (RIGHT)
HIM-PH-7625



DEPUY Inferior Posterior Capsular Retractor (LEFT)
HIM-PH-7626



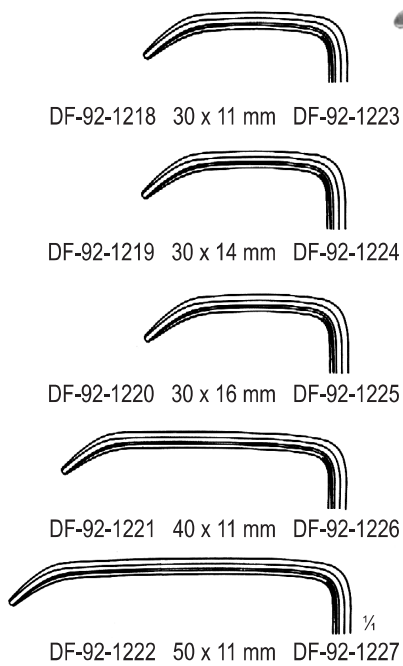
GLUTEUS MEDIUS RETRACTOR
HIM-PH-7110



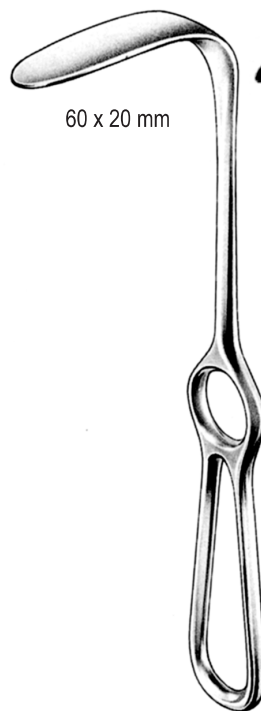
CHARNLEY HOHMANN
Bone Elevator
HIM-PH-7000



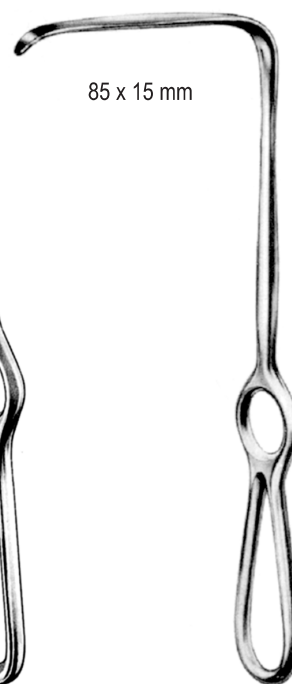
LANGENBECK
DF-92-1218 To 1222
22 cm/8 1/2"



LANGENBECK
DF-92-1223 To 1227
21 cm/8 1/4"



LANGENBECK
DF-92-1228
21 cm/8 1/4"

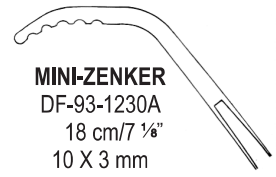


LANGENBECK
DF-92-1229
21 cm/8 1/4"

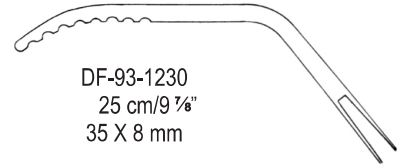




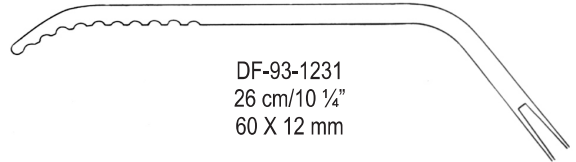
ZENKER



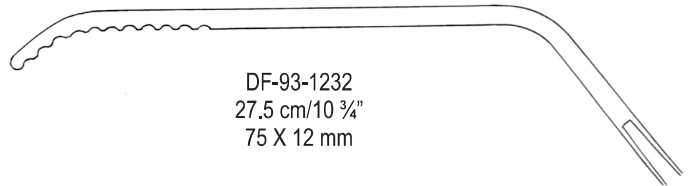
MINI-ZENKER
DF-93-1230A
18 cm/7 1/8"
10 X 3 mm



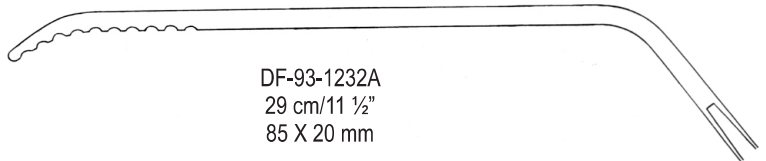
DF-93-1230
25 cm/9 7/8"
35 X 8 mm



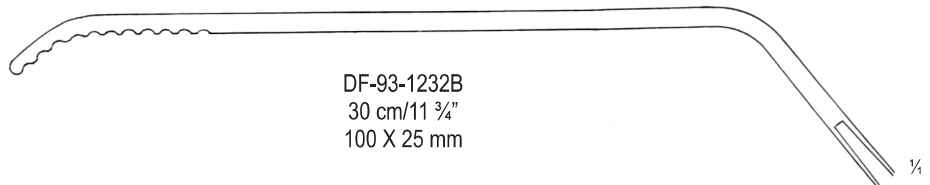
DF-93-1231
26 cm/10 1/4"
60 X 12 mm



DF-93-1232
27.5 cm/10 3/4"
75 X 12 mm



DF-93-1232A
29 cm/11 1/2"
85 X 20 mm



DF-93-1232B
30 cm/11 3/4"
100 X 25 mm

Measurements of retractors: Depth x Width



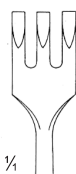
TRACHEAL
16 cm/6 1/4"
sharp



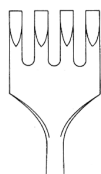
DF-94-1236



DF-94-1237



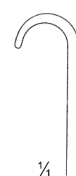
DF-94-1238



DF-94-1239



TRACHEAL
16 cm/6 1/4"
blunt



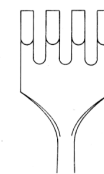
DF-94-1240



DF-94-1241



DF-94-1242



DF-94-1243



TRACHEAL
16 cm/6 1/4"
semi-sharp



DF-94-1244



DF-94-1245



DF-94-1246



DF-94-1247



17 cm/6 3/4"



DF-94-1254



DF-94-1255



DF-94-1256



DF-94-1257



DF-94-1258

sharp



DF-94-1259



DF-94-1260



DF-94-1261



DF-94-1262



DF-94-1263

blunt

Measurements of retractors: Depth x Width

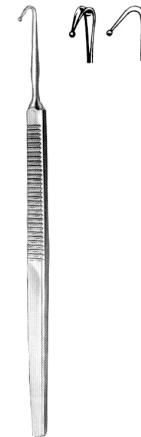
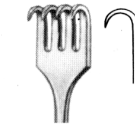




16 cm/6 1/4"
flexible



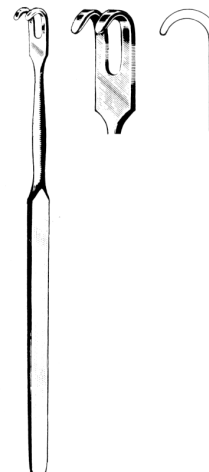
16 cm/6 1/4"



VESSEL HOOK
DF-95-1272
12 cm/4 3/4"



VOLKMANN
11.5 cm/4 1/2"



DF-95-1281
13.5 cm/5 3/8"

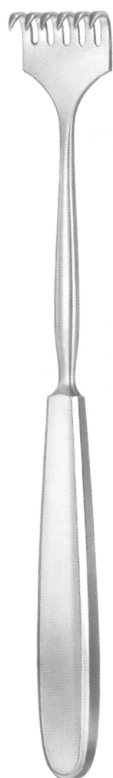
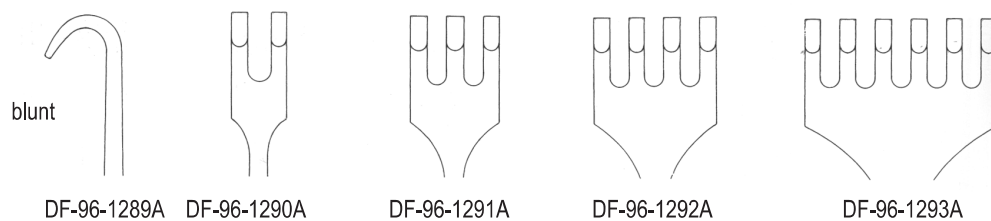
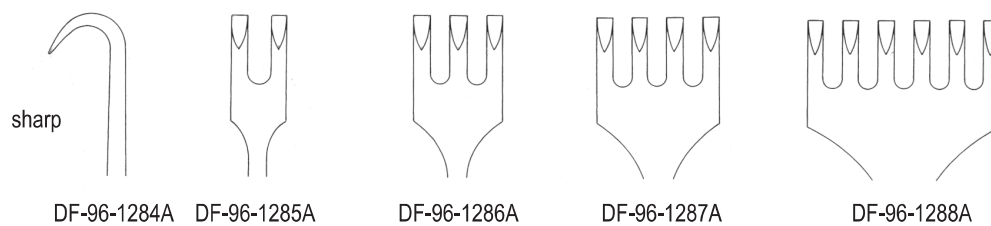


16 cm/6 1/4"

DF-95-1282

DF-95-1283

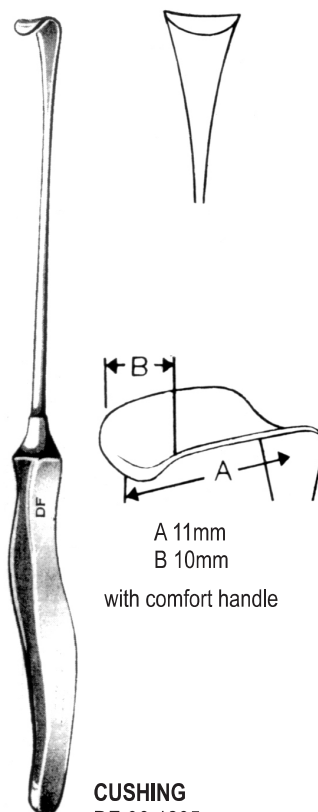
Measurements of retractors: Depth x Width



VOLKMANN
21.5 cm/8 1/2"



CUSHING
DF-96-1294
21.5 cm/8 1/2"

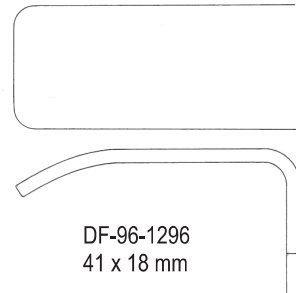


CUSHING
DF-96-1295
24.5 cm/9 5/8"

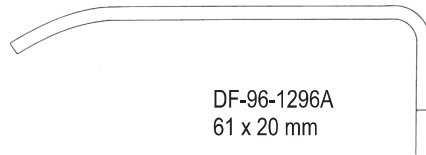




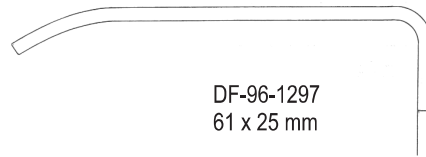
KOCHER
23 cm/9"



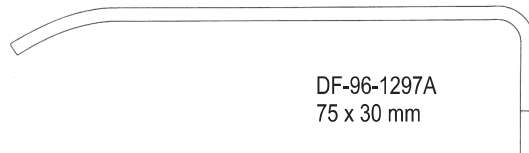
DF-96-1296
41 x 18 mm



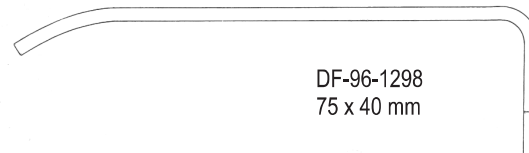
DF-96-1296A
61 x 20 mm



DF-96-1297
61 x 25 mm



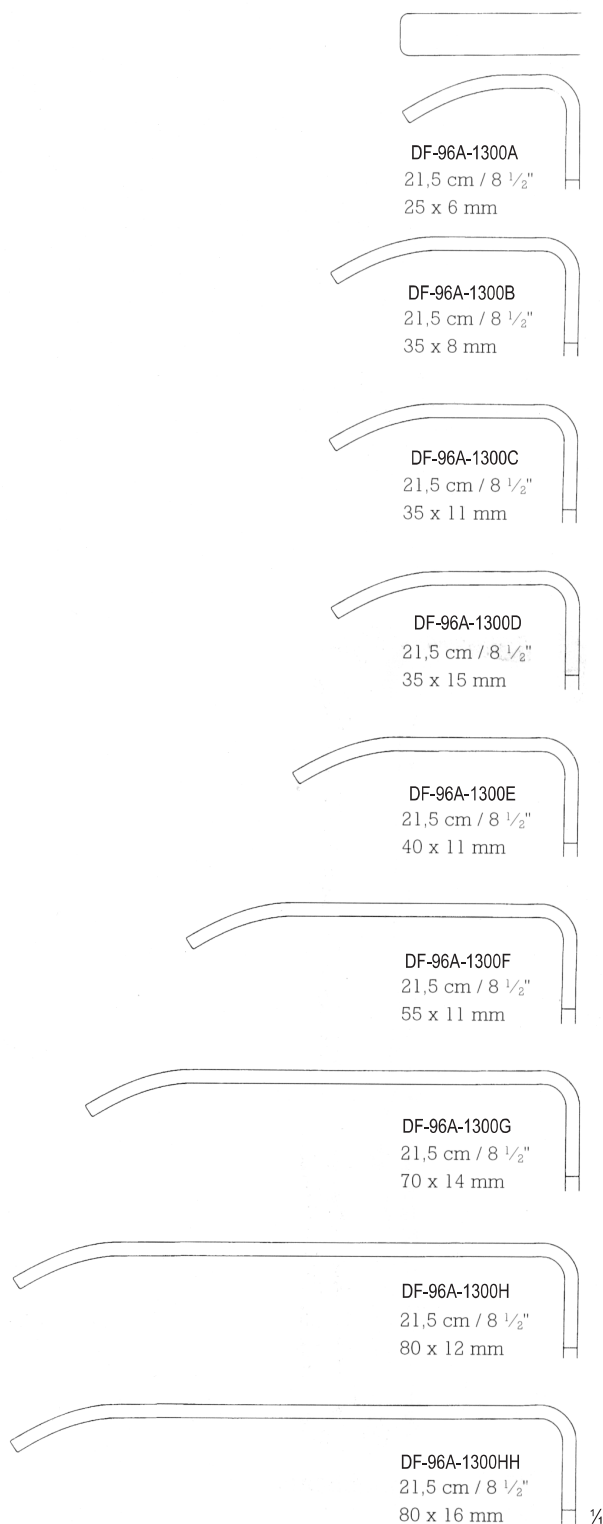
DF-96-1297A
75 x 30 mm



DF-96-1298
75 x 40 mm



KOCHER-LANGENBECK
21.5 cm/8 1/2"

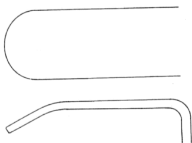


Measurements of retractors: Depth x Width





KOCHER-LANGENBECK
21.5 cm/8 1/2"



DF-96A-1300J
21,5 cm / 8 1/2"
25 x 10 mm



DF-96A-1300K
21,5 cm / 8 1/2"
40 x 13 mm



DF-96A-1300L
21,5 cm / 8 1/2"
60 x 13 mm



DF-96A-1300M
21,5 cm / 8 1/2"
40 x 18 mm



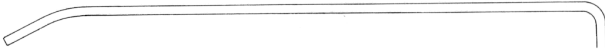
DF-96A-1300N
21,5 cm / 8 1/2"
60 x 18 mm



DF-96A-1300NN
21,5 cm / 8 1/2"
85 x 18 mm



DF-96A-1300P
21,5 cm / 8 1/2"
60 x 25 mm



DF-96A-1300Q
21,5 cm / 8 1/2"
85 x 25 mm

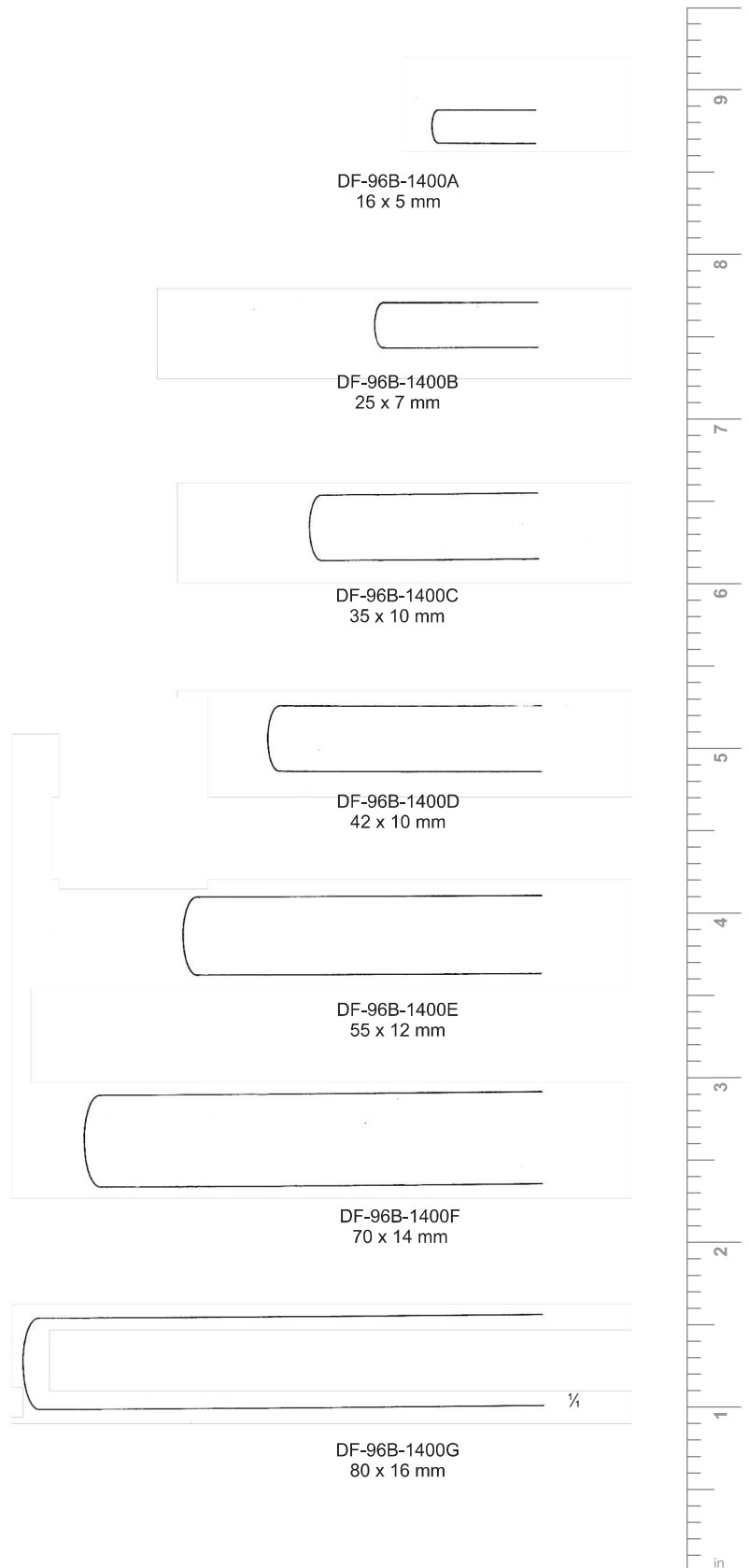
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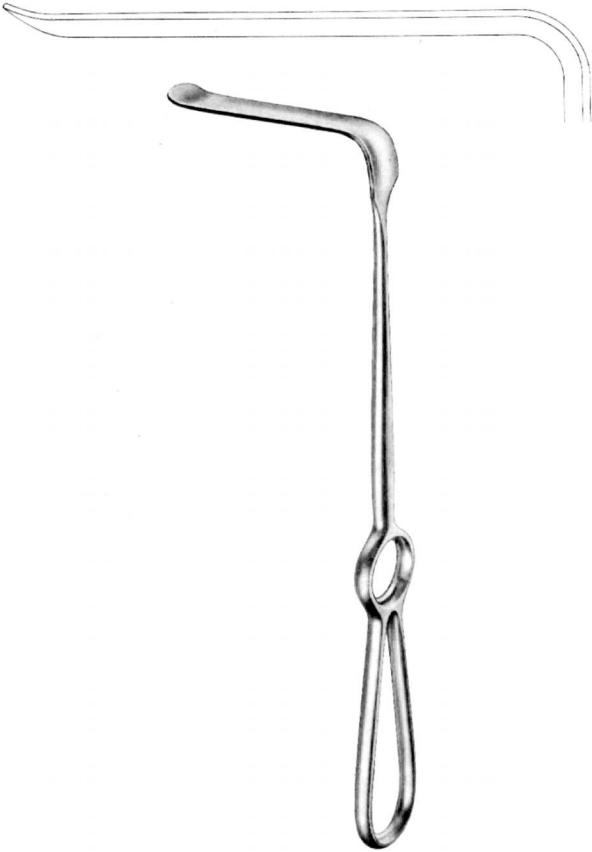
Measurements of retractors: Depth x Width



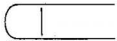
OBWEGESER
24 cm/9 1/2"
bent downwards

Measurements of retractors: Depth x Width

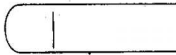




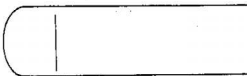
OBWEGESER
24cm/9 1/2"
bent upward



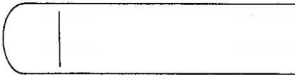
DF-96B-1400H
16 x 5 mm



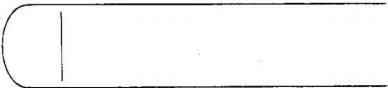
DF-96B-1400HH
25 x 7 mm



DF-96B-1400J
35 x 10 mm



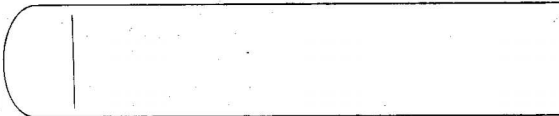
DF-96B-1400K
42 x 10 mm



DF-96B-1400L
55 x 12 mm

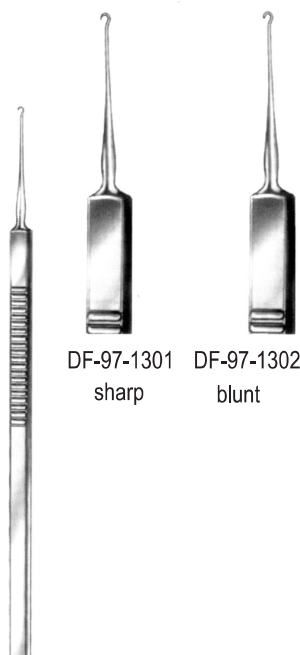


DF-96B-1400M
70 x 14 mm



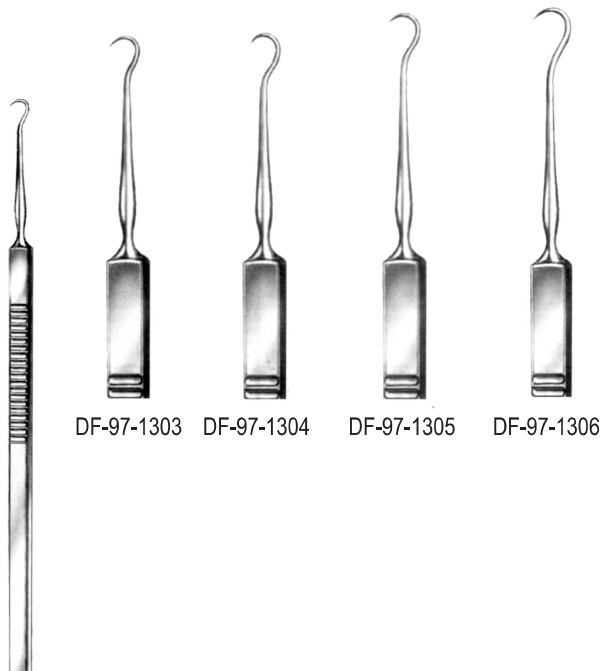
DF-96B-1400N
80 x 16 mm

Measurements of retractors: Depth x Width



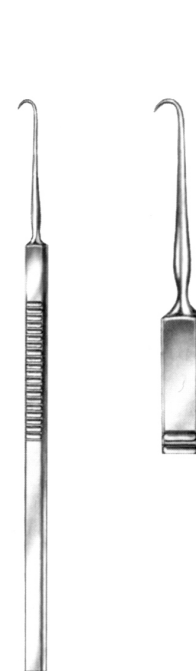
DF-97-1301 sharp
DF-97-1302 blunt

GRAEFE
16 cm/6 1/4"

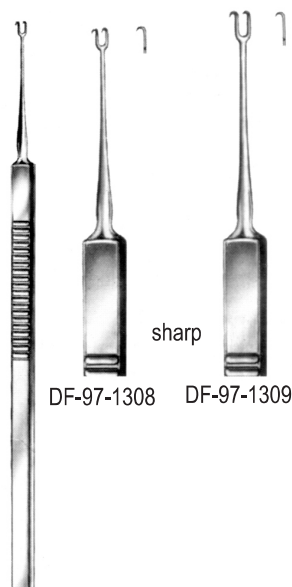


DF-97-1303 DF-97-1304 DF-97-1305 DF-97-1306

GRAEFE
16 cm/6 1/4"

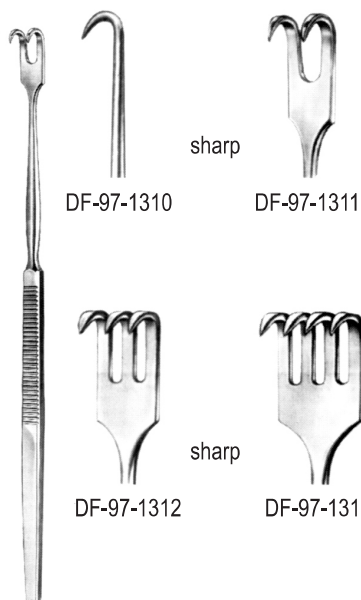


O'CONNOR
DF-97-1307
16 cm/6 1/4"



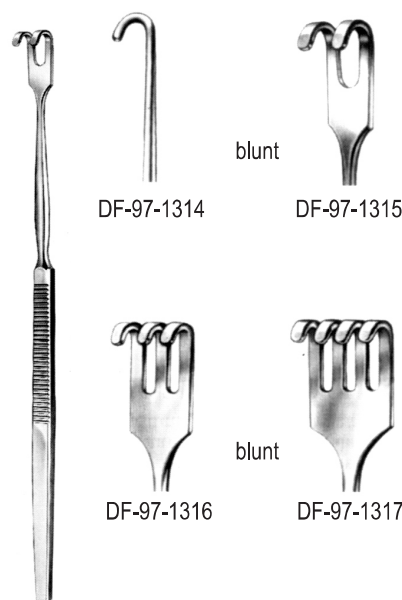
DF-97-1308 sharp
DF-97-1309 blunt

GUTHRIE
16 cm/6 1/4"



DF-97-1310 sharp
DF-97-1311 sharp
DF-97-1312 sharp
DF-97-1313 sharp

KEHLENGRIFF
16 cm/6 1/4"

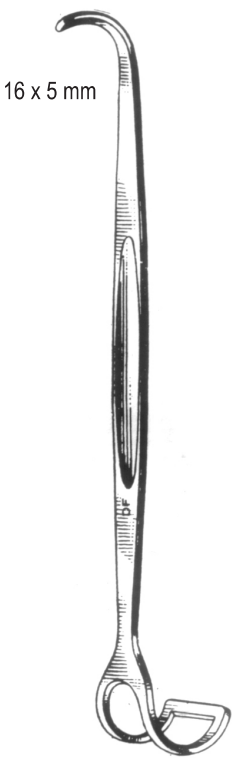


DF-97-1314 blunt
DF-97-1315 blunt
DF-97-1316 blunt
DF-97-1317 blunt

KEHLENGRIFF
16 cm/6 1/4"

Measurements of retractors: Depth x Width

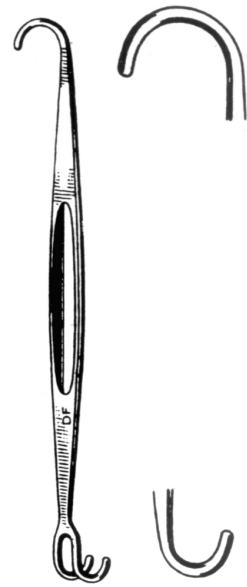
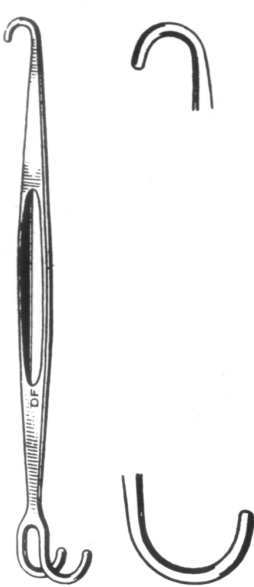




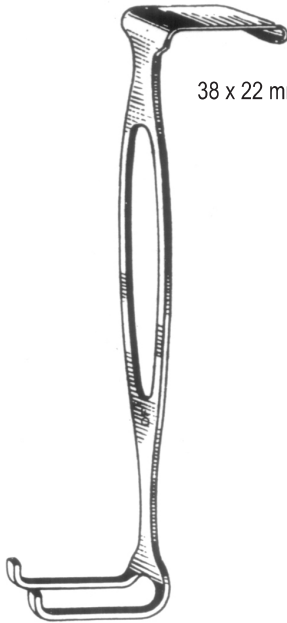
16 x 5 mm

CANNY RYALL
DF-98-1318 15mm
DF-98-1319 20mm
DF-98-1320 25mm
DF-98-1321 30mm

CANNY RYALL
DF-98-1322 17 cm/6 ¾"



CANNY RYALL
DF-98-1323 17 cm/6 ¾"



38 x 22 mm

CZERNEY
DF-98-1324 17 cm/6 ¾"



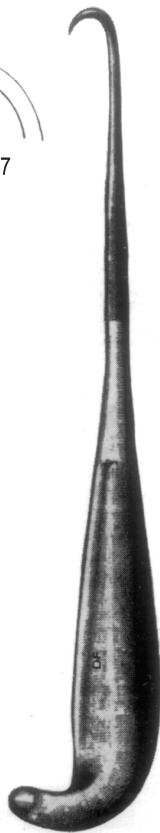
DF-98-1325



DF-98-1326
Sharp

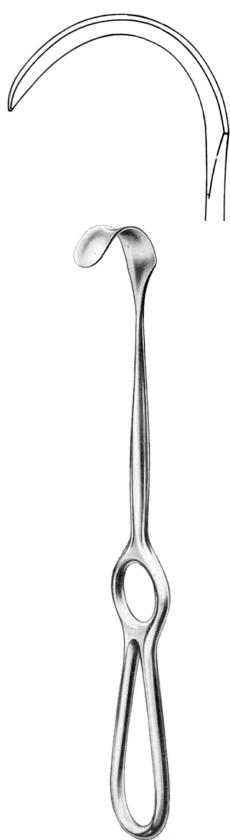


DF-98-1327

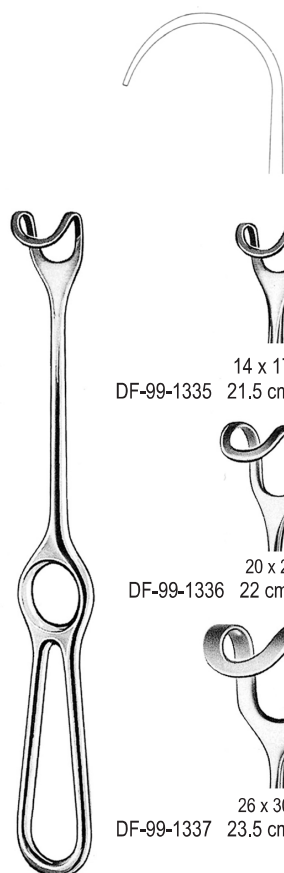


23 cm/9"

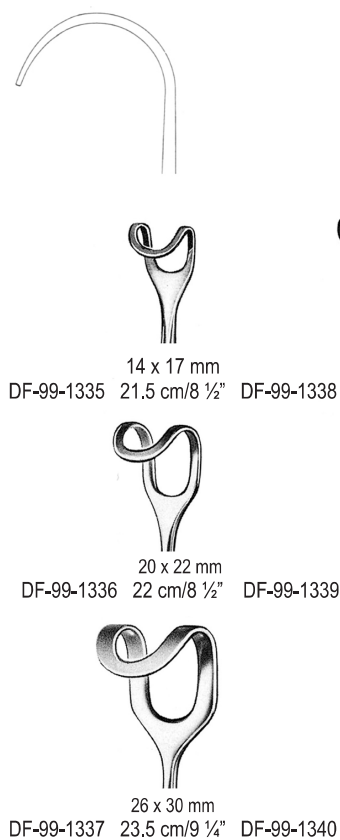
Measurements of retractors: Depth x Width



KOCHER
22 cm/8 ½"
DF-99-1332 40 x 10 mm
DF-99-1333 40 x 15 mm
DF-99-1334 40 x 20 mm



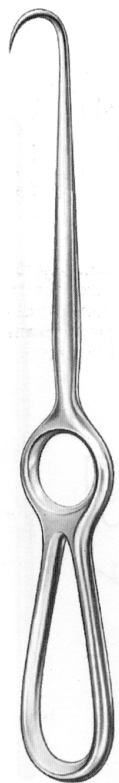
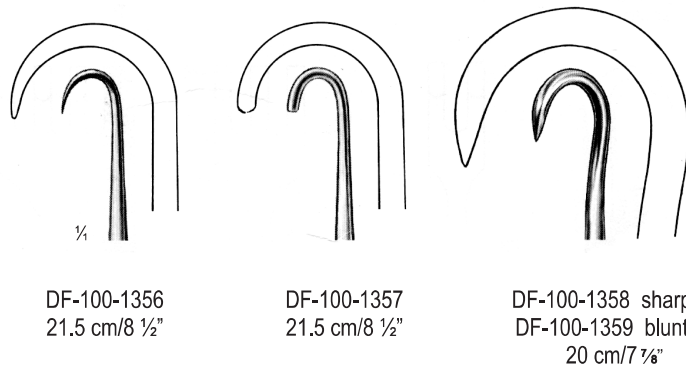
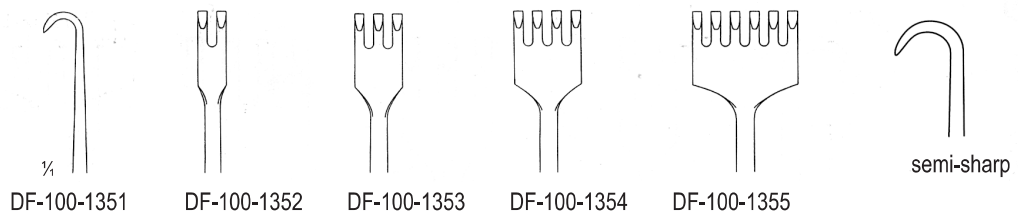
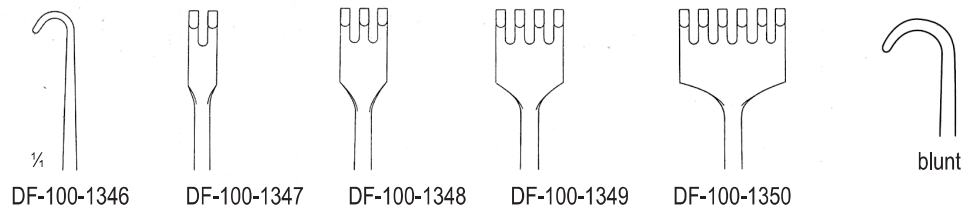
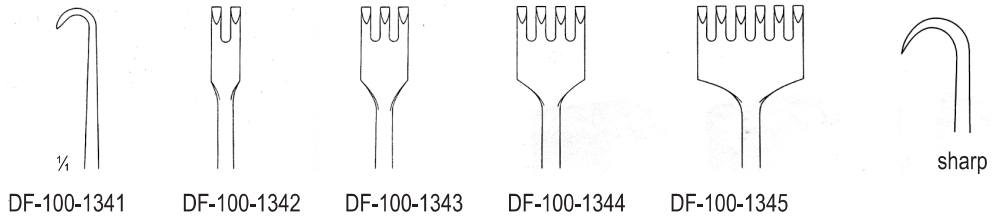
MIDDELDORPF
DF-99-1335 To DF-99-1337



MIDDELDORPF
DF-99-1338 To DF-99-1340

Measurements of retractors: Depth x Width



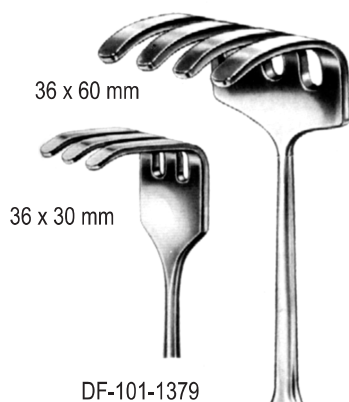
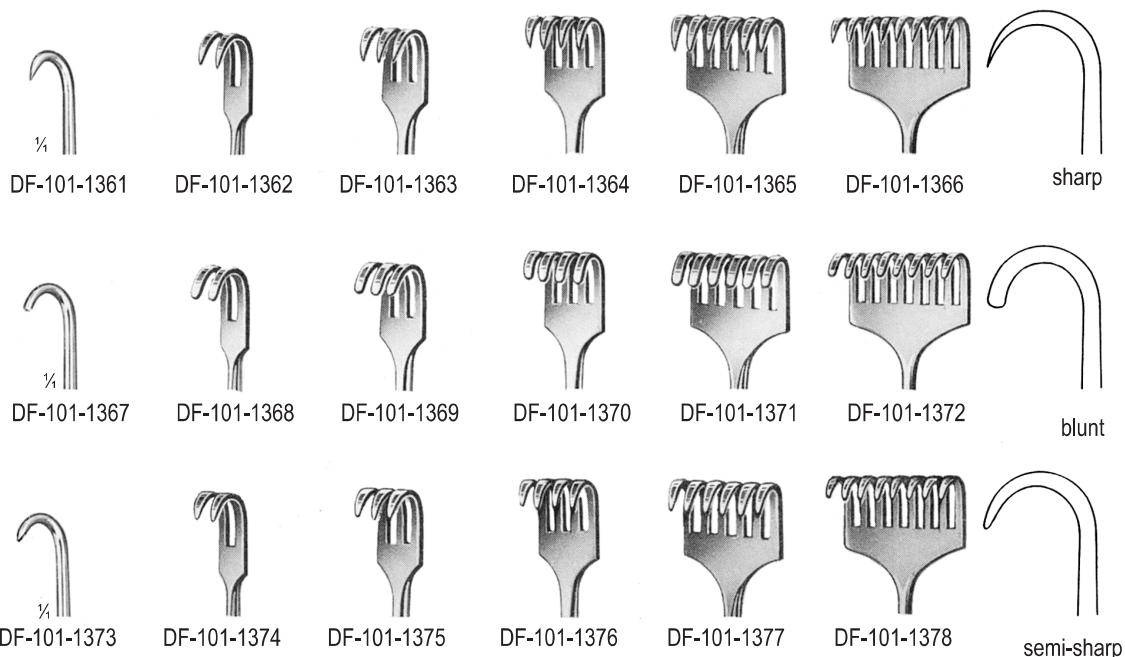


VOLKMANN
21.5 cm/8 1/2"

Measurements of retractors: Depth x Width



KOCHER
22 cm/8 1/2"



OLLIER
DF-101-1380
22.5 cm/8 3/4"



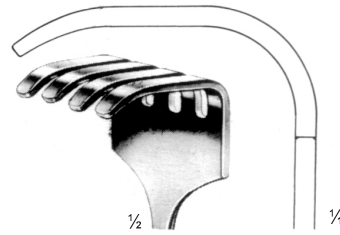
WASSMUND
DF-101-1381
20 cm/7 1/8"

Measurements of retractors: Depth x Width

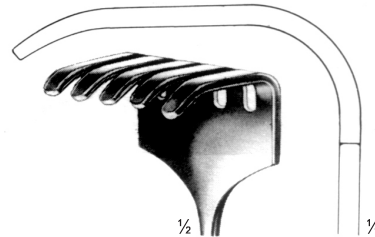




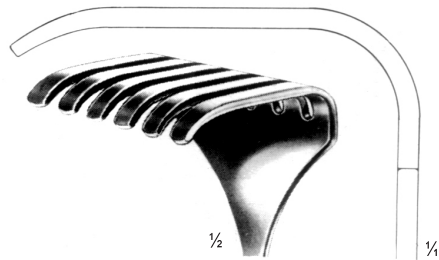
DF-102-1382
27 cm/10 1/2"



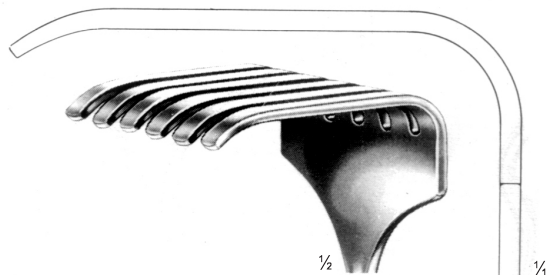
DF-102-1383
40 x 40 mm



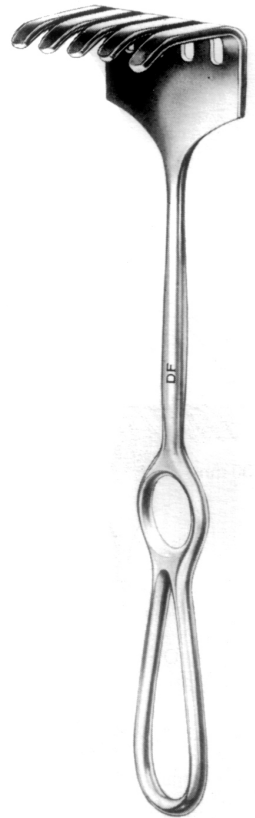
DF-102-1384
45 x 50 mm



DF-102-1385
50 x 60 mm



DF-102-1386
70 x 70 mm



ISRAEL
25 cm/9 7/8"

Measurements of retractors: Depth x Width

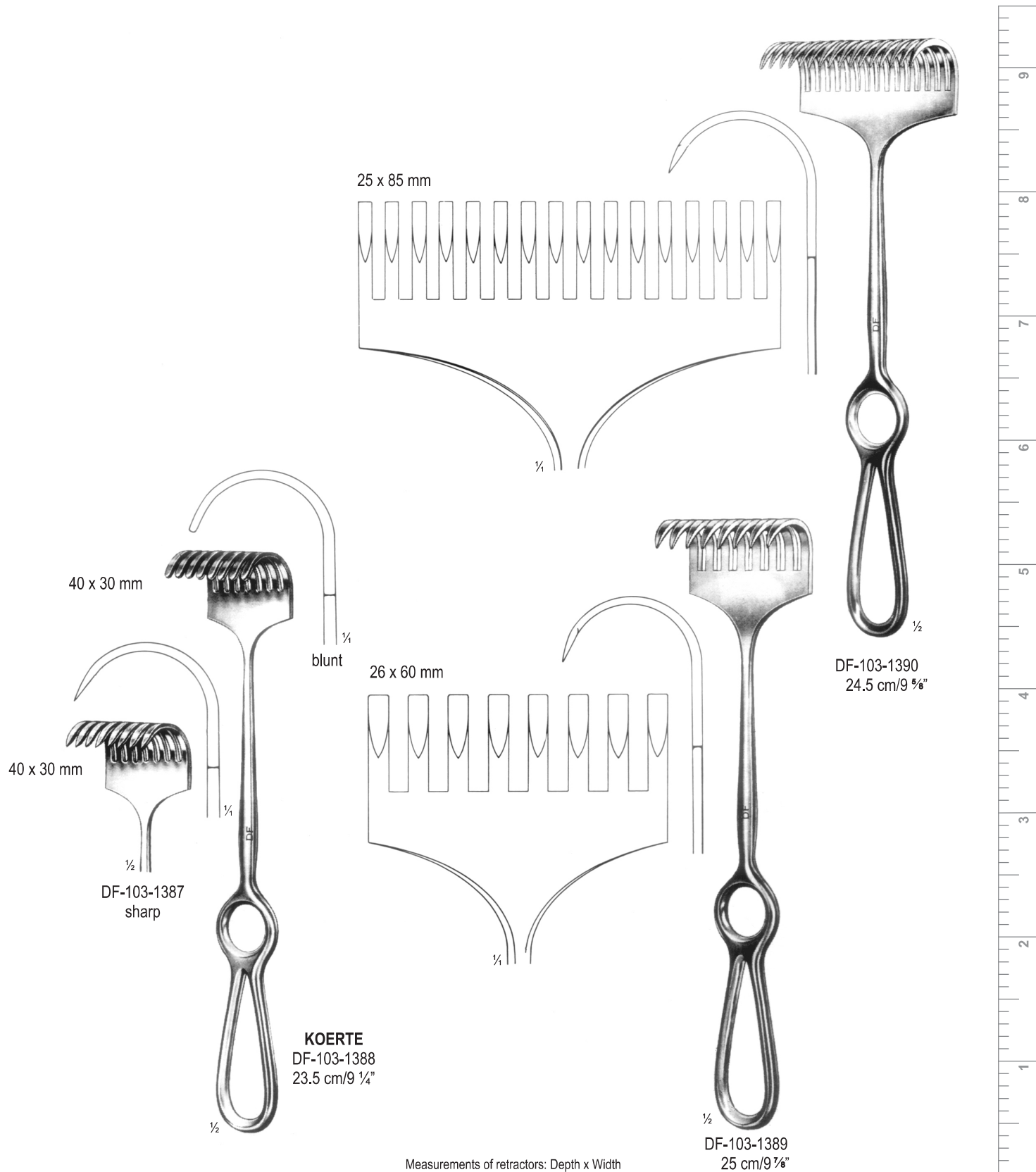




Fig. 1
DF-104-1392
26 cm/10 1/4"
25 x 20 mm
30 x 28 mm

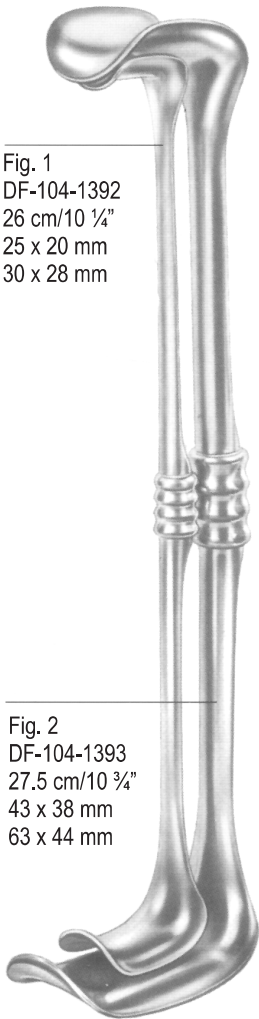


Fig. 2
DF-104-1393
27.5 cm/10 3/4"
43 x 38 mm
63 x 44 mm

RICHARDSON-EASTMAN
DF-104-1391
Set Fig. 1 + 2

RICHARDSON



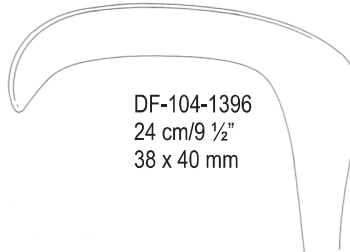
DF-104-1394
23.5 cm/9 1/4"
25 x 21 mm



DF-104-1395
24 cm/9 1/2"
30 x 29 mm



DF-104-1396
24 cm/9 1/2"
38 x 40 mm



48 x 22 mm

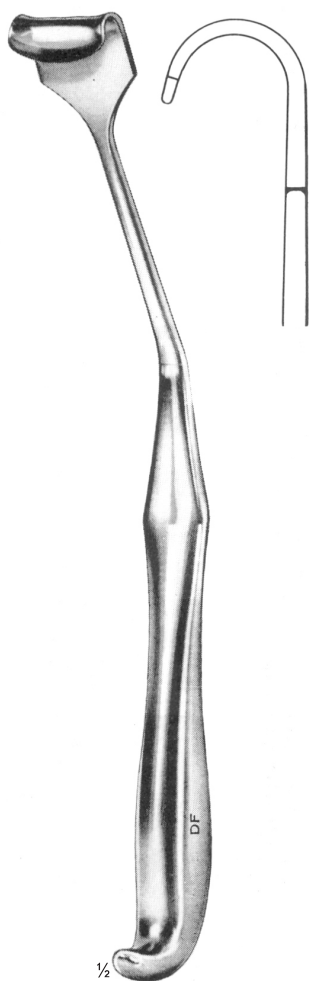


RICHARDSON
DF-104-1397
24 cm/9 1/2"

KELLY
DF-104-1398 62 x 50 mm
DF-104-1398A 70 X 65 mm
26 cm/10 1/4"

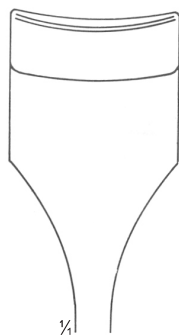


Measurements of retractors: Depth x Width

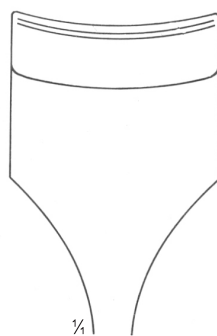


28 cm/11"

DF-105-1399



DF-105-1400

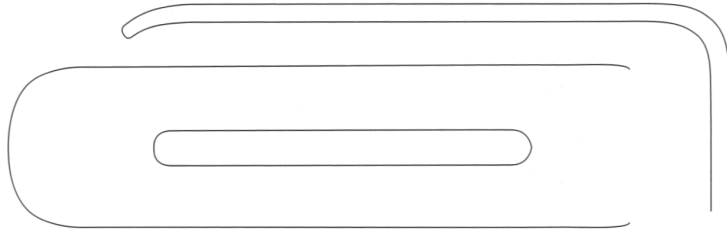


DF-105-1401

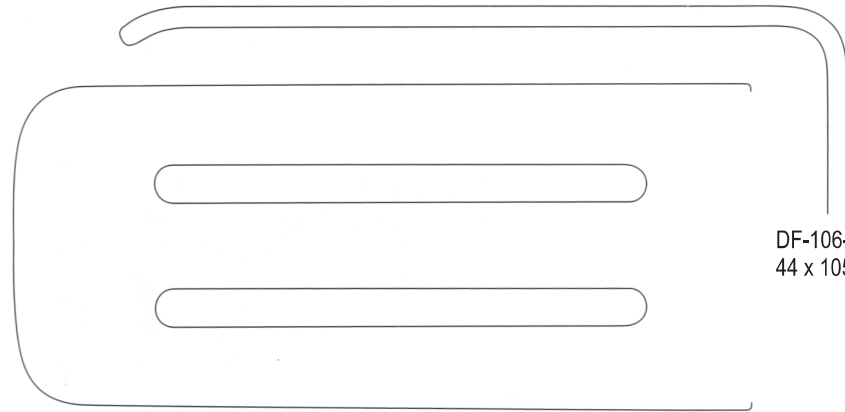


DF-105-1402
19 cm/7 1/2"

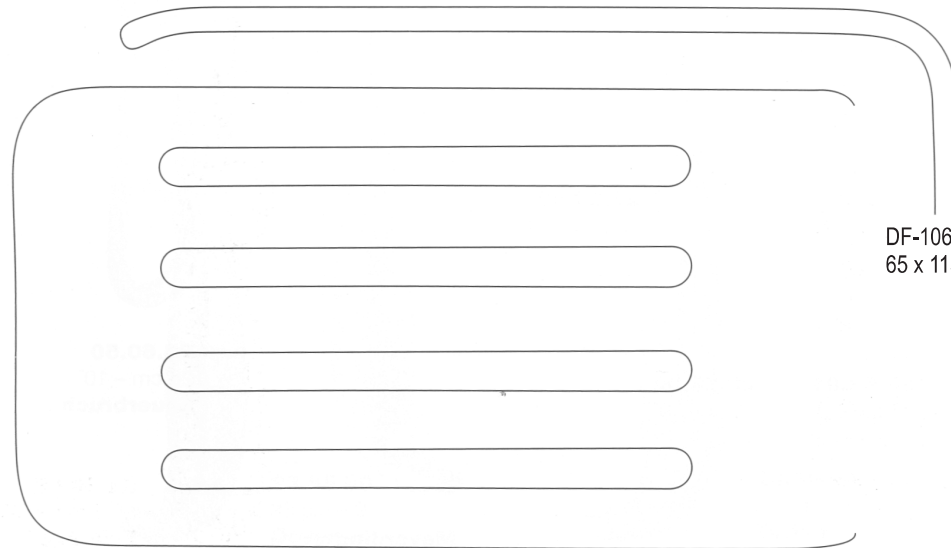




DF-106-1406
23 x 85 mm



DF-106-1407
44 x 105 mm



DF-106-1408
65 x 115 mm

DF-106-1404
73 x 28 mm

DF-106-1403
45 x 25 mm

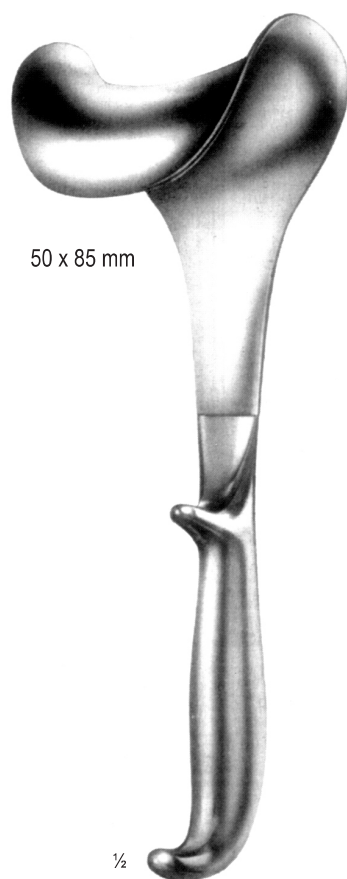


DF-106-1405
82 x 28 mm

1/3

HEANEY
27 cm/10 1/2"

Measurements of retractors: Depth x Width



50 x 85 mm

 $\frac{1}{2}$

DOYEN
DF-107-1409
25 cm/9 $\frac{1}{8}$ "



70 x 25 mm

 $\frac{1}{2}$

KOCHER
DF-107-1410
22.5 cm/8 $\frac{3}{4}$ "

KOCHER	Total length	Blade	
	cm	in.	mm
DF-107-1411	25	9 $\frac{7}{8}$ "	80 x 45
DF-107-1412	25	9 $\frac{7}{8}$ "	80 x 55
DF-107-1413	25	9 $\frac{7}{8}$ "	80 x 65



58 x 64 mm

TUFFIER
DF-107-1414A
21.5 cm/8 $\frac{1}{2}$ "

Measurements of retractors: Depth x width

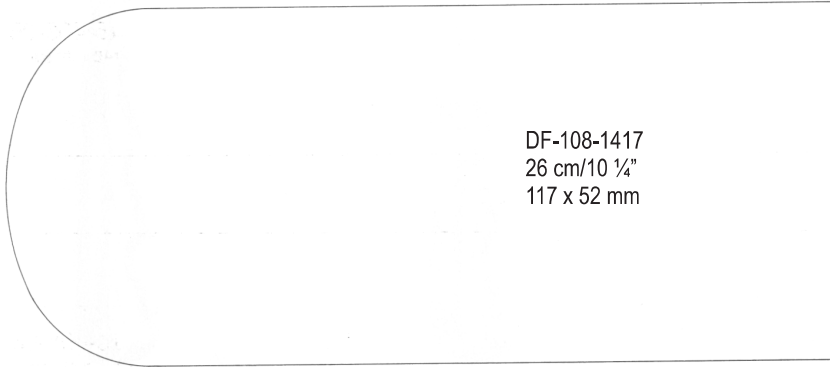
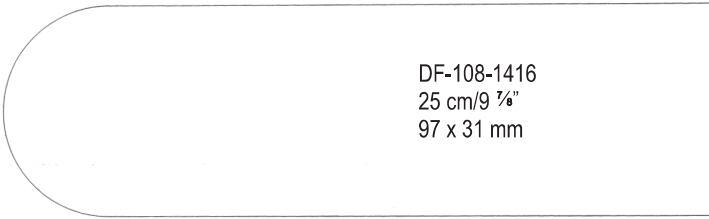
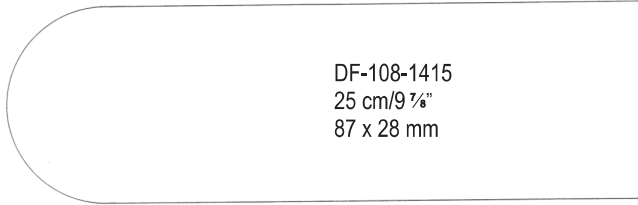
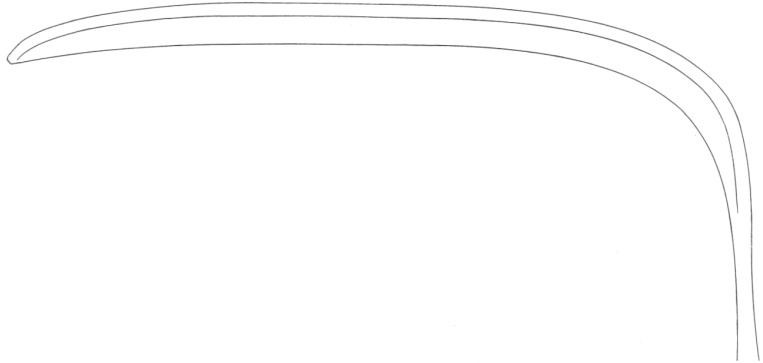




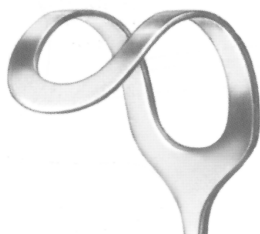
DF-108-1415
25 cm/9 7/8"
87 x 28 mm

DF-108-1416
25 cm/9 7/8"
97 x 31 mm

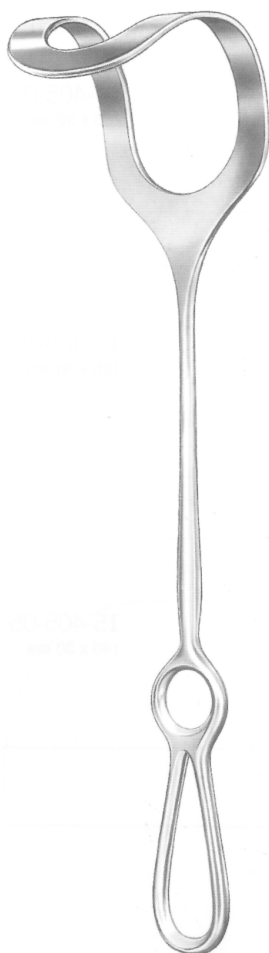
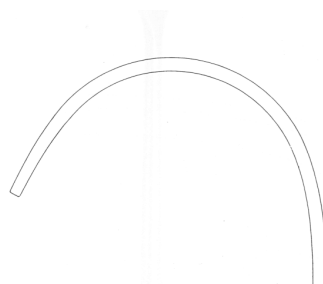
DF-108-1417
26 cm/10 1/4"
117 x 52 mm



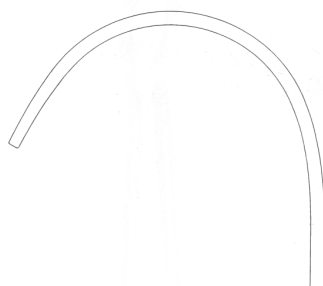
DOYEN-STILLE



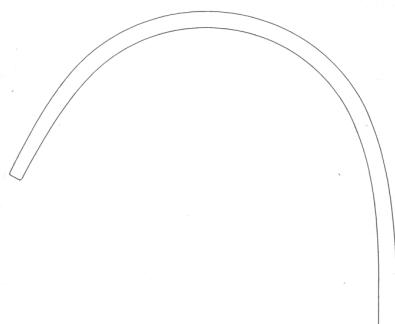
DF-108-1418
27 cm/10 1/2"
43 x 45 mm



DF-108-1419
27 cm/10 1/2"
52 x 50 mm



DF-108-1420
28 cm/11"
52 x 70 mm



MIDDELDORPF

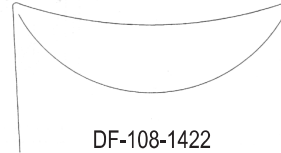




FRITSCH



DF-108-1421A
23.5 cm/9 1/4"
37 x 31 mm



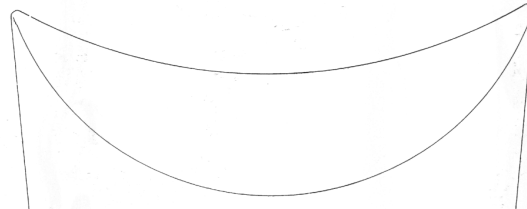
DF-108-1422
24 cm/9 1/2"
38 x 40 mm



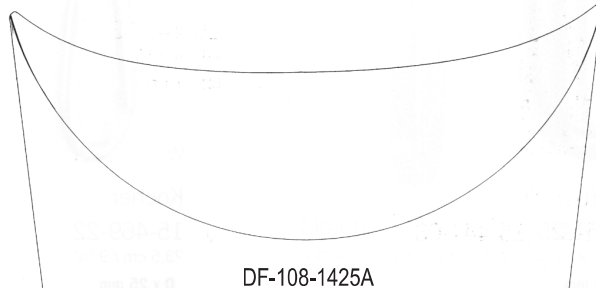
DF-108-1423
25 cm/9 7/8"
43 x 51 mm



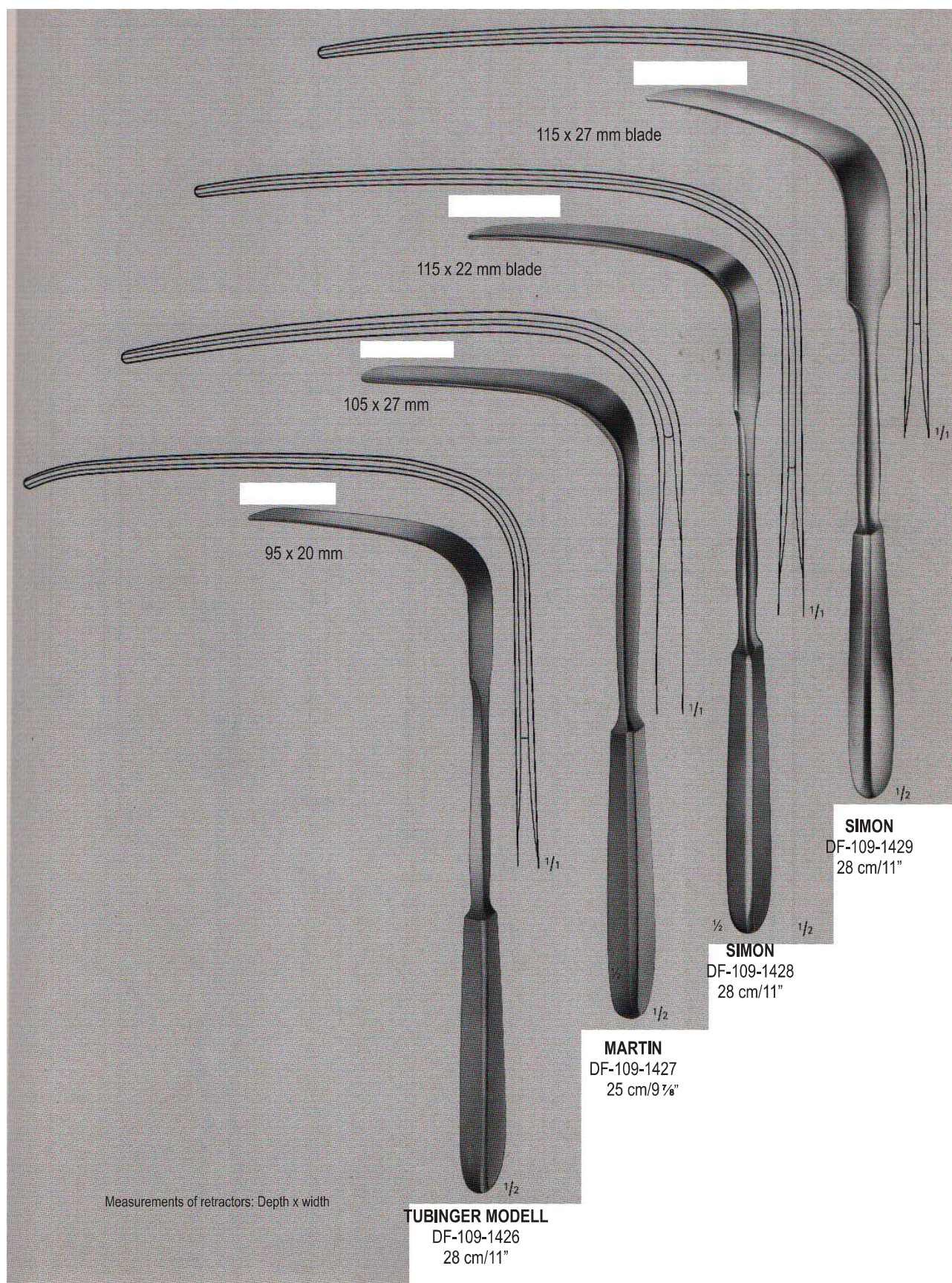
DF-108-1424
25 cm/9 7/8"
49 x 61 mm



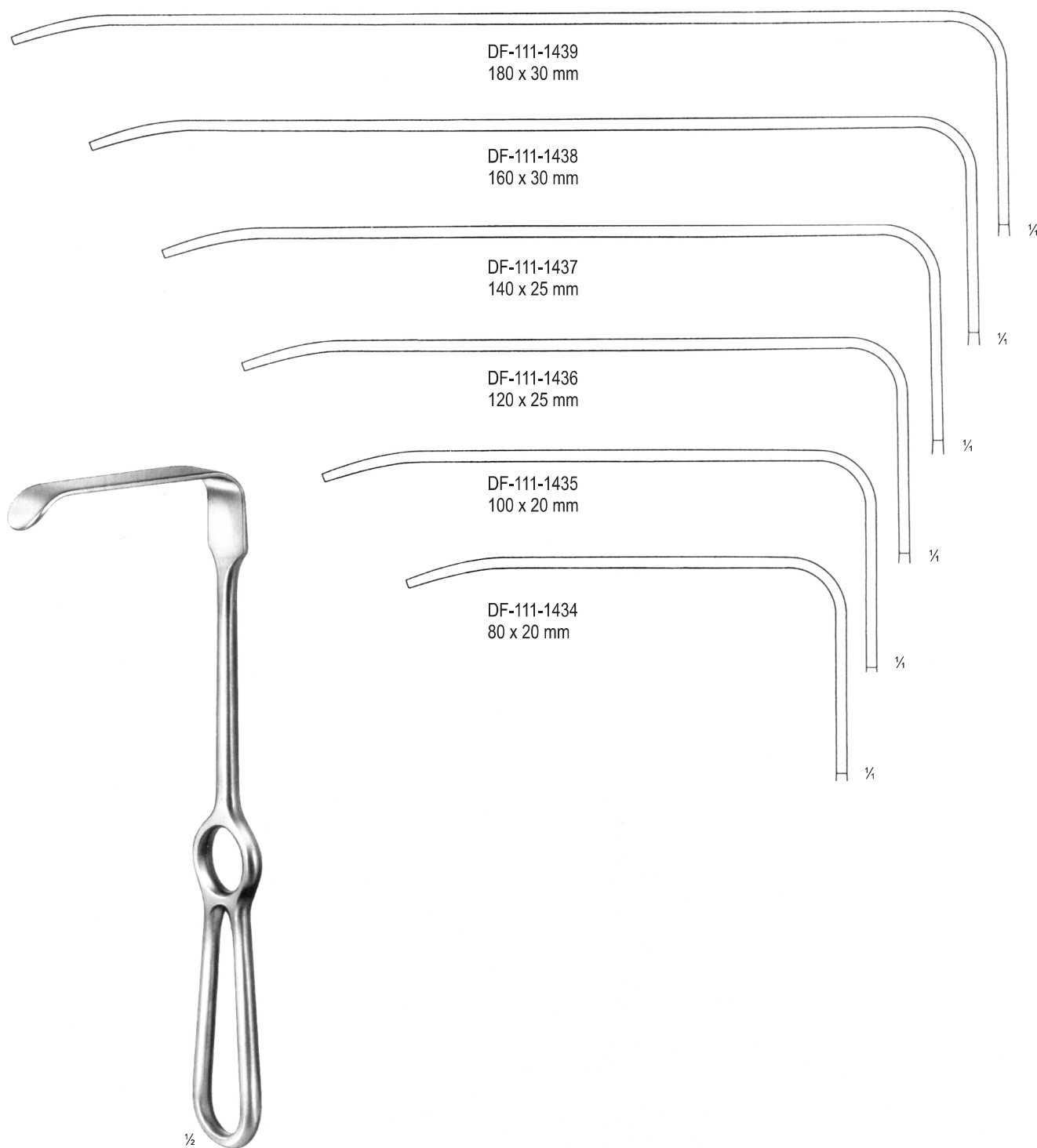
DF-108-1425
25.5 cm/10"
48 x 75 mm

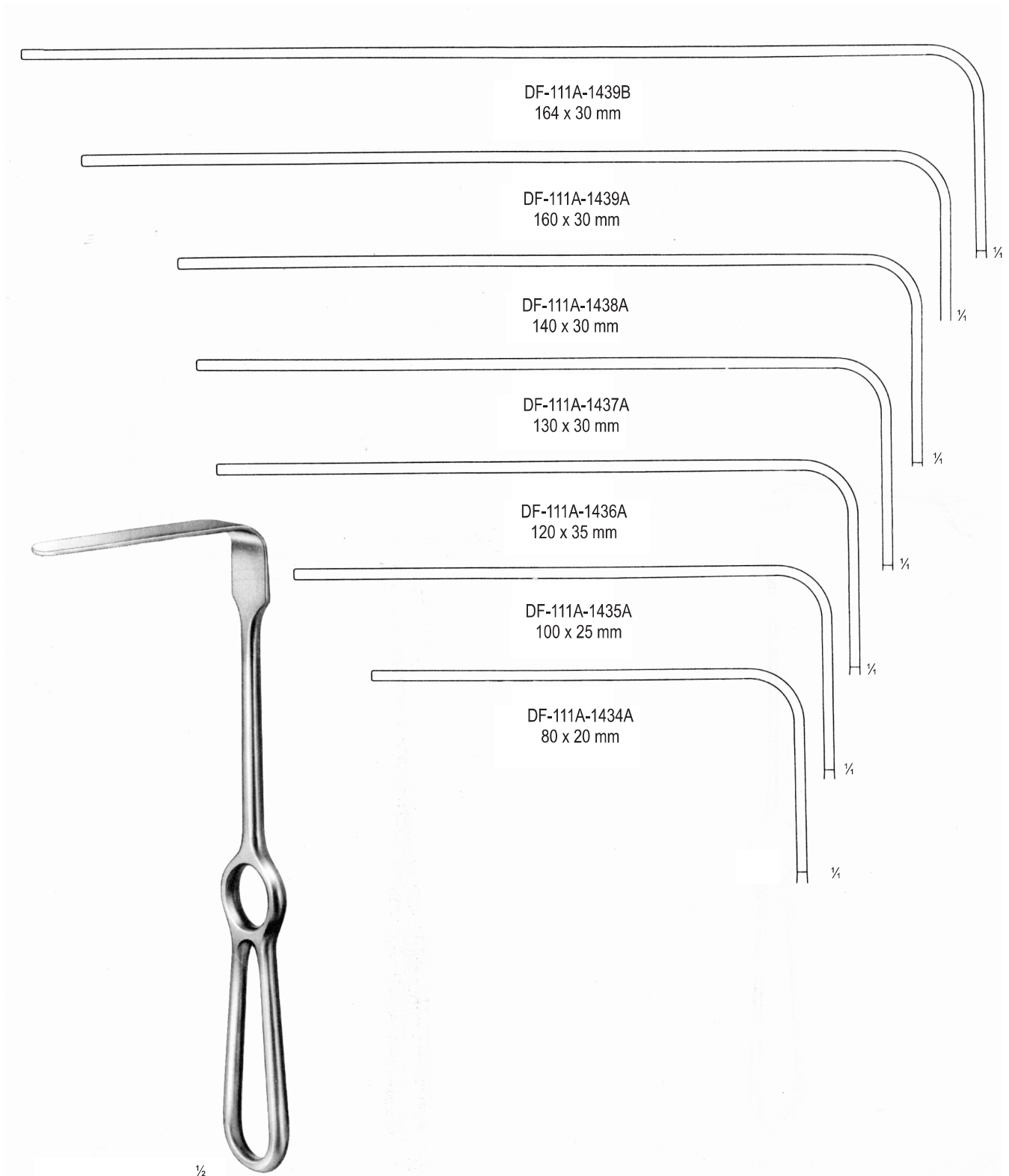


DF-108-1425A
29.5 cm/11 5/8"
65 x 85 mm







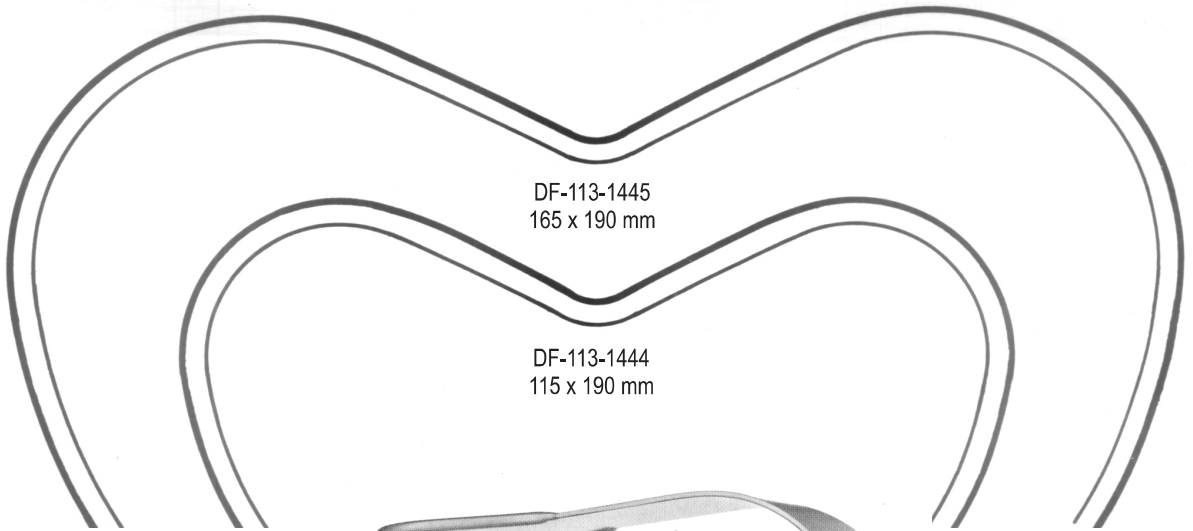


$\frac{1}{2}$
BRUNNER
25.5 cm/10"

Fig. 2 = 137 x 65 mm

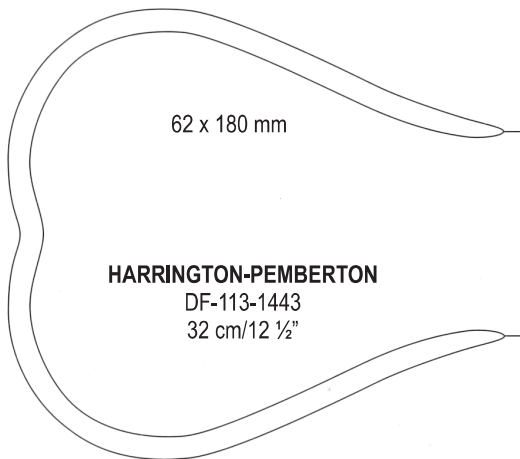
Fig. 1 = 137 x 44 mm





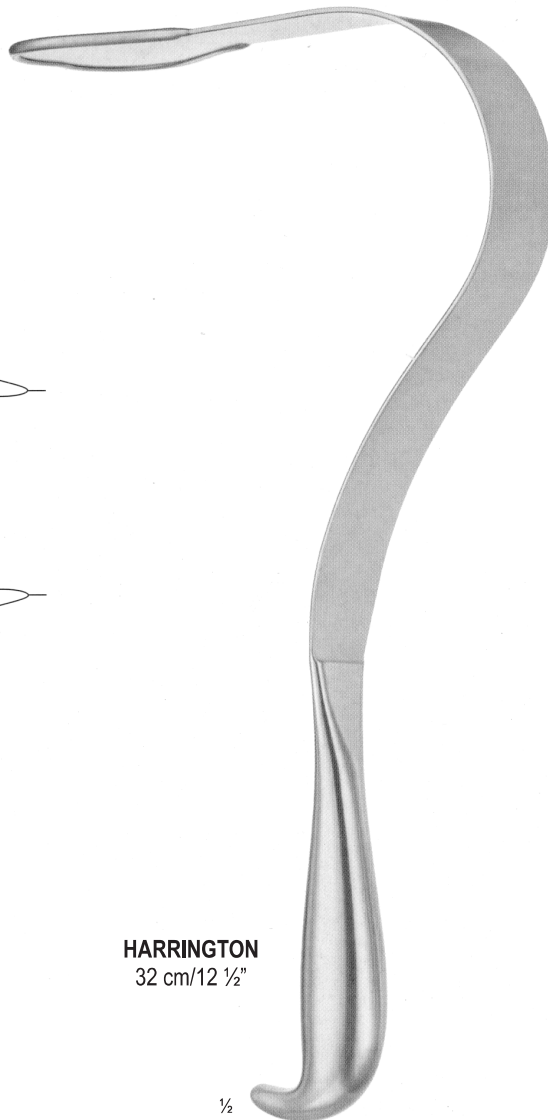
DF-113-1445
165 x 190 mm

DF-113-1444
115 x 190 mm



62 x 180 mm

HARRINGTON-PEMBERTON
DF-113-1443
32 cm/12 1/2"



HARRINGTON
32 cm/12 1/2"

Measurements of retractors: Depth x Width

1/2

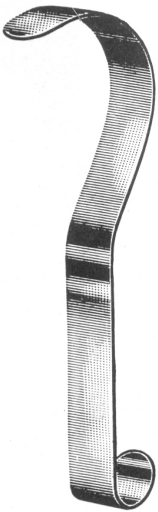
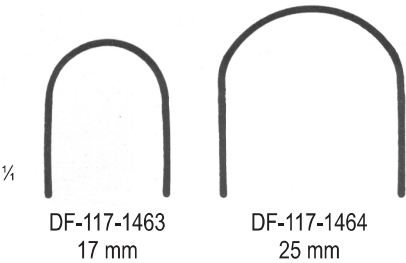


Measurements of retractors: Depth x Width

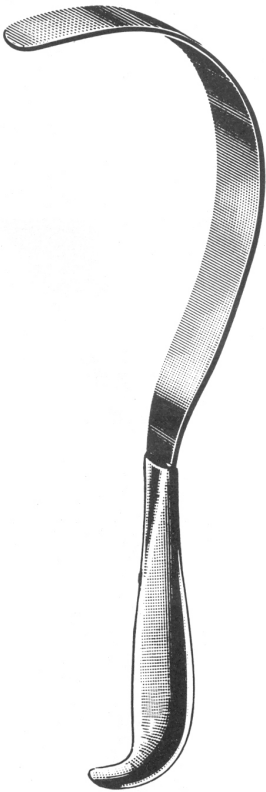




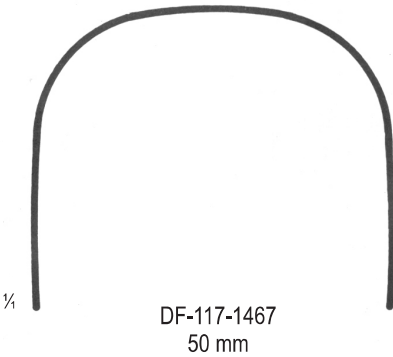
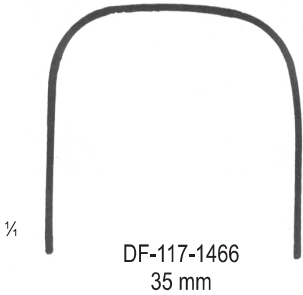
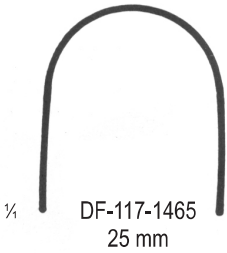




DEAVER-BABY



DEAVER





DF-118-1471
29.5 cm/11 ⁵/₈"
width of blade 48 mm

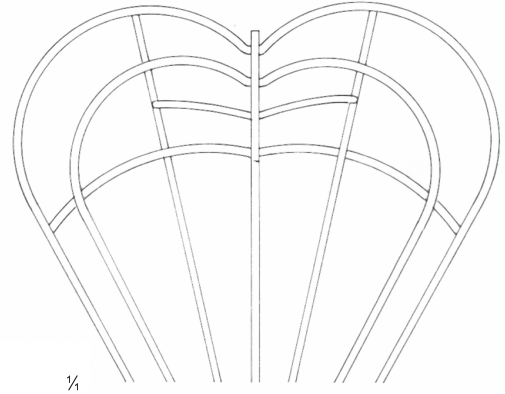
DF-118-1470
33 cm/13"
width of blade 63 mm

ALLISON



DF-118-1472
29.5 cm/11 ⁵/₈"
width of blade 132 mm

ALLISON

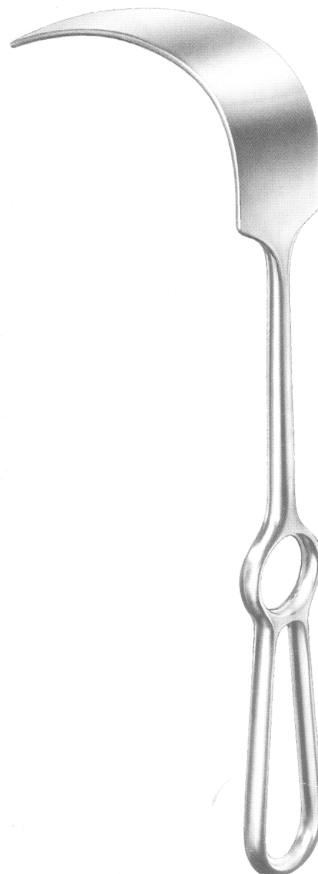
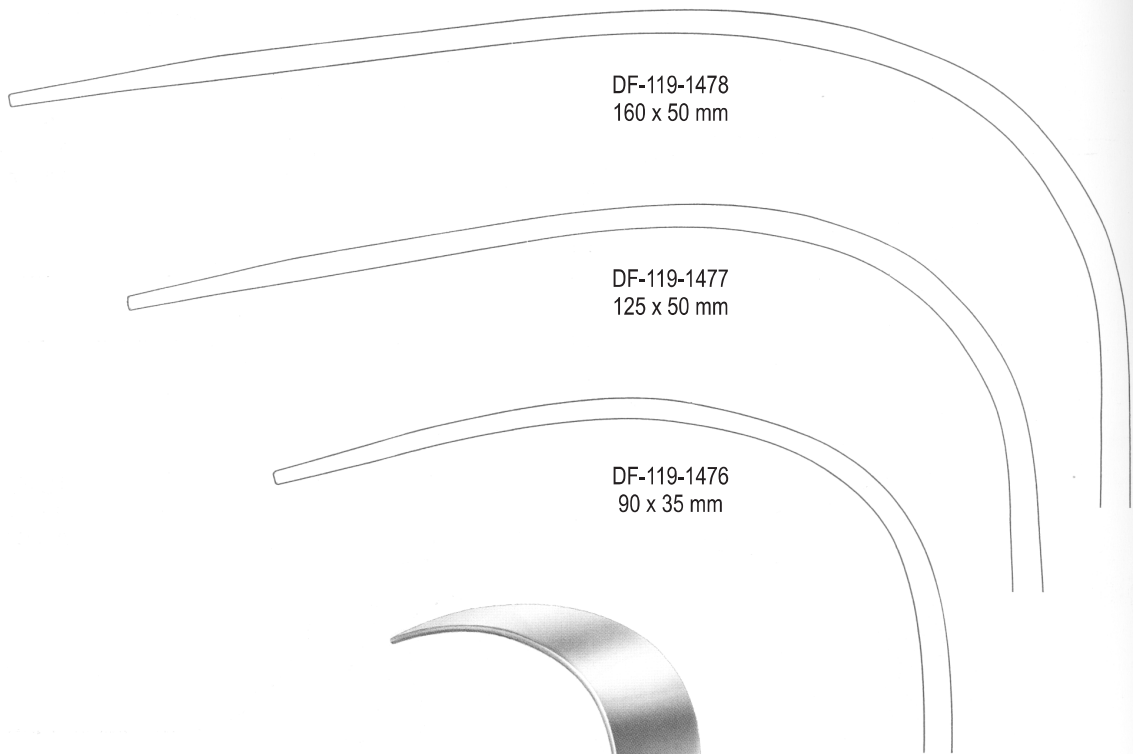


HIBBS

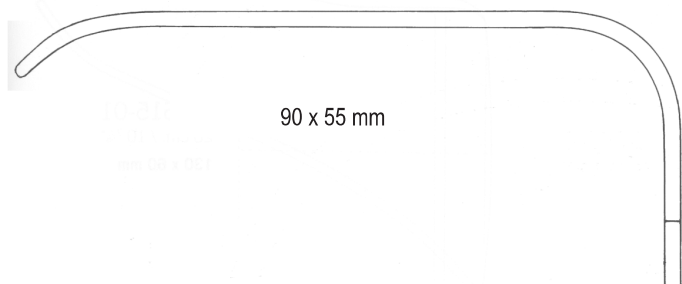
DF-118-1473 75 x 25 mm
DF-118-1474 50 x 19 mm
DF-118-1475 25 x 13 mm

Measurements of retractors: Depth x Width

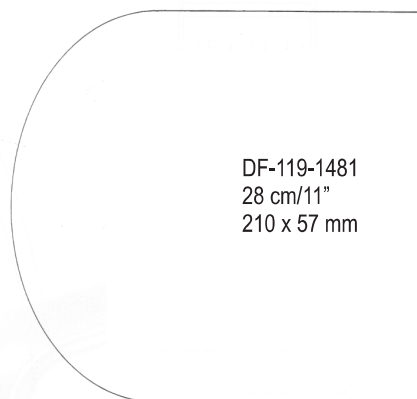




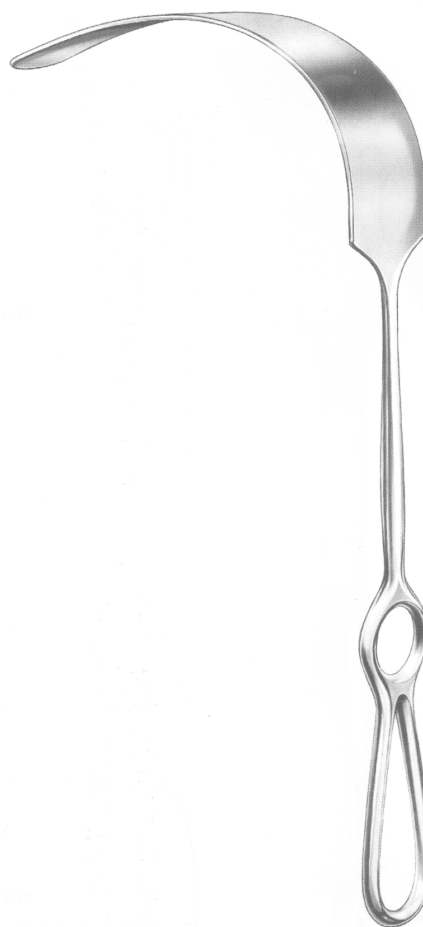
MIKULICZ
25 cm/9 7/8"



DF-119-1480
27.5 cm/10 3/4"
205 x 38 mm



MIKULICZ
DF-119-1479
26 cm/10 1/8"

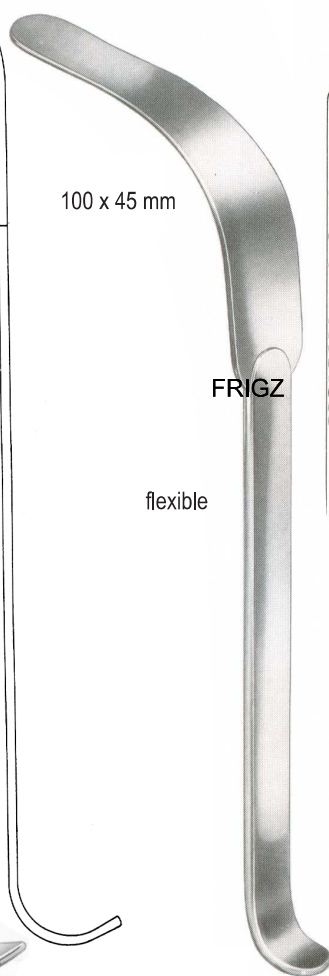


KELLY

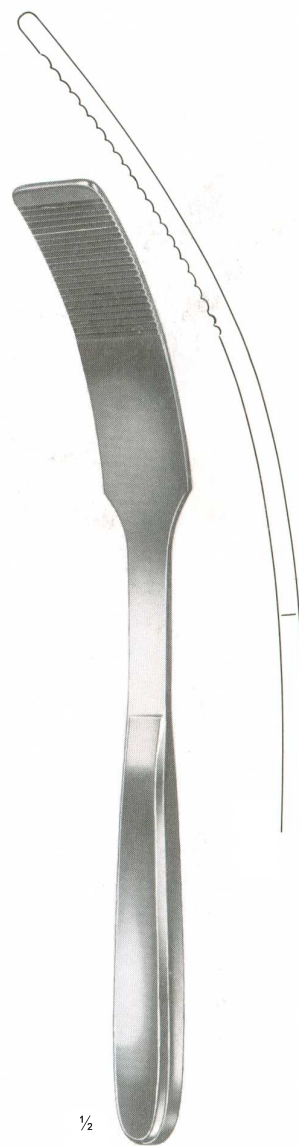
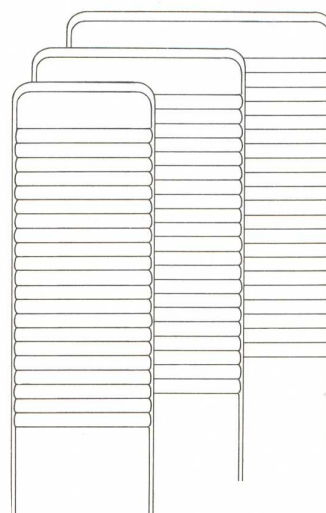




KOERTE
DF-120-1482
28 cm/11"
rigid



KUMMEL
DF-120-1483
31 cm/12 1/4"



KADDER
DF-120-1484 = 20 mm
DF-120-1485 = 30 mm
DF-120-1486 = 40 mm
28 cm/11"

Measurements of Spatulas : Depth x Width

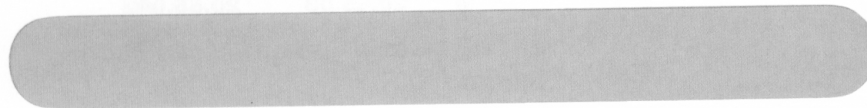
RIBBON SPATULAS



TUFFIER
20 cm/7 7/8"
DF-120A-1486A 17 x 25 mm
malleable



DF-120A-1486B 6 x 200 mm
DF-120A-1486C 12 x 200 mm
DF-120A-1486D 17 x 200 mm
DF-120A-1486E 25 x 200 mm
malleable



DF-120A-1486F 27 x 250 mm
DF-120A-1486G 35 x 250 mm
malleable



DF-120A-1486H 30 x 330 mm
DF-120A-1486HH 40 x 330 mm
DF-120A-1486J 50 x 330 mm
DF-120A-1486K 75 x 330 mm
malleable





malleable



HABERER

DF-120B-1486L 20 cm/7 7/8" 17 x 25 mm
DF-120B-1486M 28 cm/11" 25 x 30 mm
DF-120B-1486N 30 cm/11 3/4" 37 x 45 mm

FRIGZ

DF-120B-1486NN 6.5 mm
DF-120B-1486P 9.5 mm
DF-120B-1486Q 13 mm
DF-120B-1486R 16 mm
DF-120B-1486S 19 mm
DF-120B-1486T 25 mm
20 cm/7 7/8"

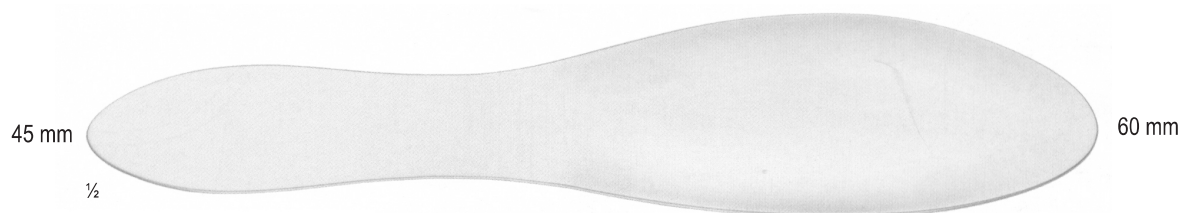


63 mm

45 mm

REVERDIN

DF-120B-1486U
28.5 cm/11 1/4"
63 x 45 mm



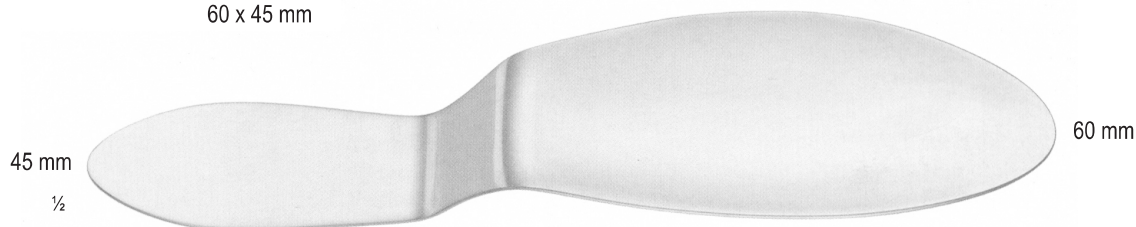
45 mm

60 mm

1/2

REVERDIN

DF-120B-1486V
29 cm/11 1/2"
60 x 45 mm



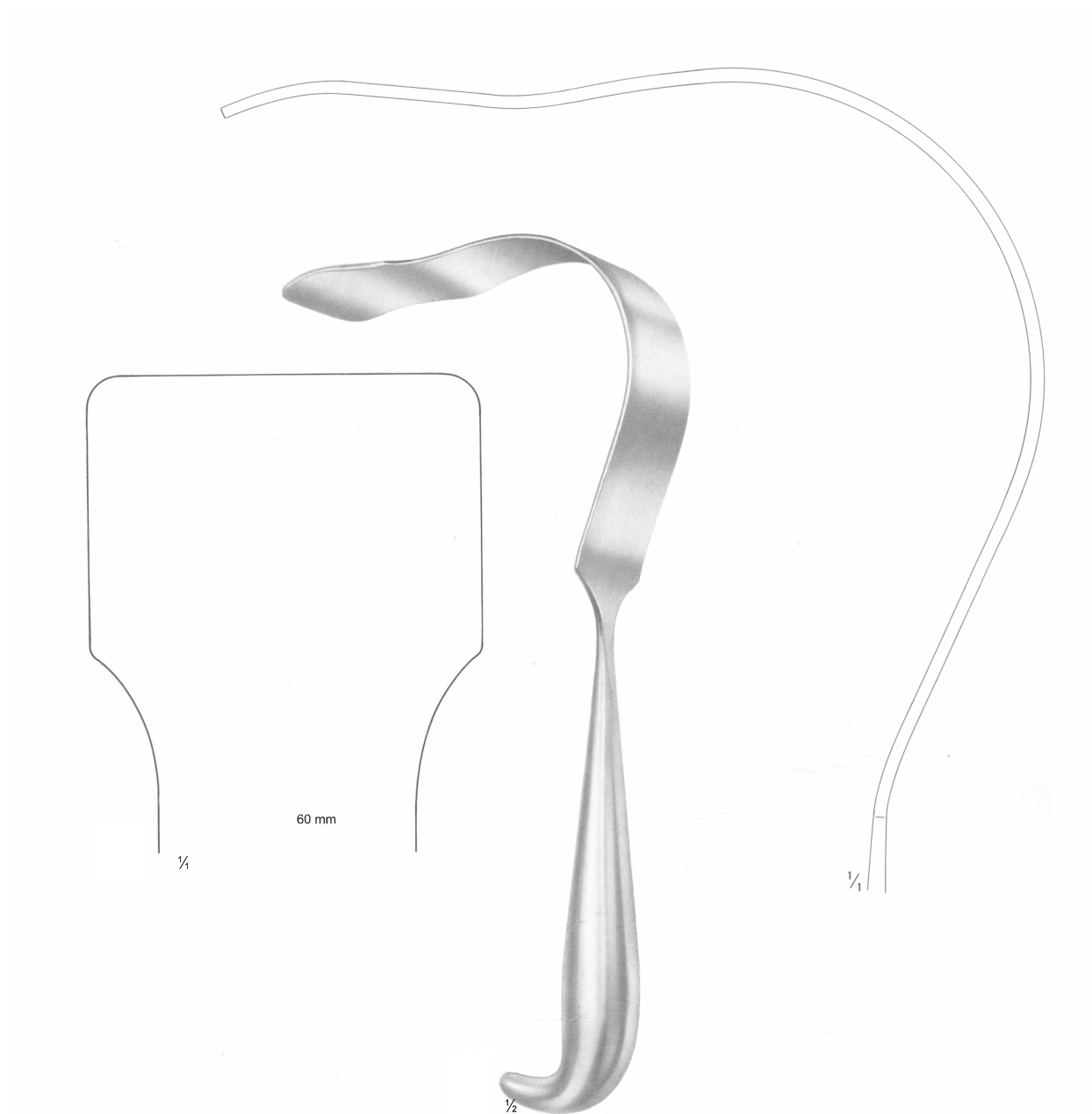
45 mm

60 mm

1/2

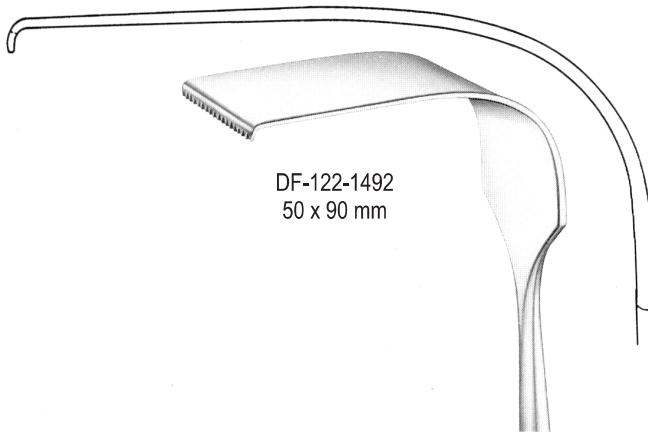
REVERDIN

DF-120B-1486W
28 cm/11"
60 x 45 mm

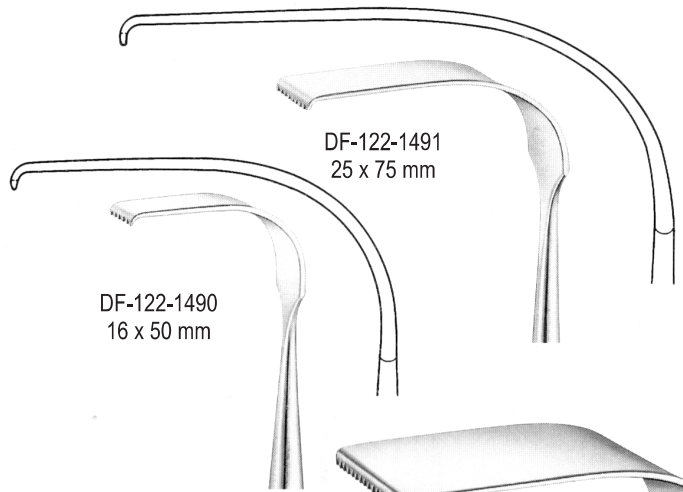


POLLOSON
DF-121-1487
29 cm/11 1/2"

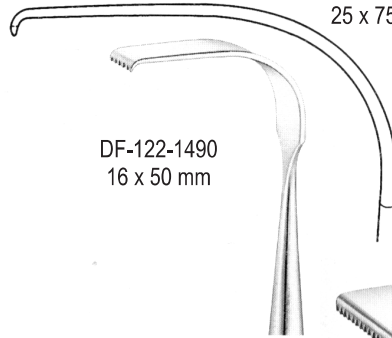
Measurements of retractors: Depth x width



DF-122-1492
50 x 90 mm



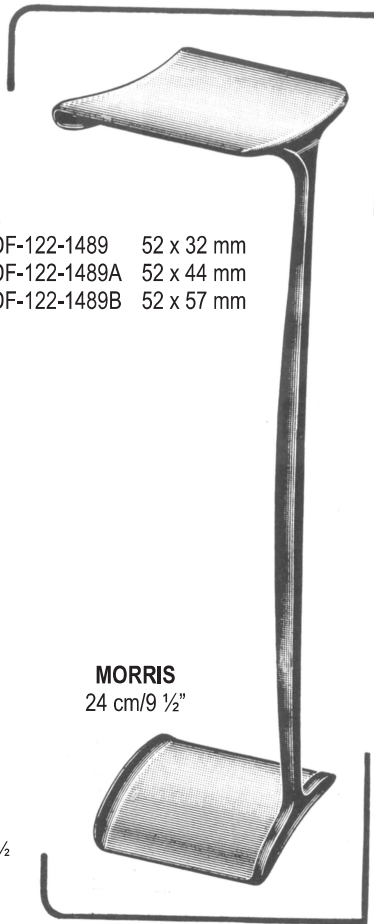
DF-122-1491
25 x 75 mm



DF-122-1490
16 x 50 mm



DF-122-1488 70 x 40 mm
DF-122-1488A 70 x 50 mm
DF-122-1488B 70 x 65 mm



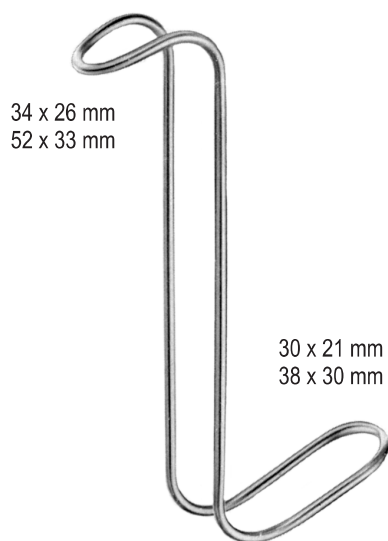
DF-122-1489 52 x 32 mm
DF-122-1489A 52 x 44 mm
DF-122-1489B 52 x 57 mm

MORRIS
24.5 cm/9 5/8"

Measurements of Spatulas : Depth x Width

MORRIS
24 cm/9 1/2"

MEYERDING
DF-122-1490 20 cm/7 7/8"
DF-122-1491 23 cm/9"
DF-122-1492 24 cm/9 1/2"

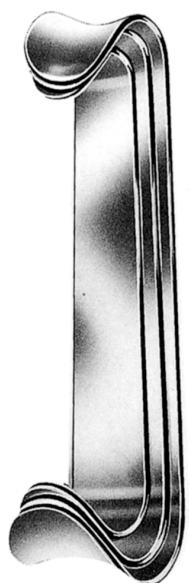


34 x 26 mm
52 x 33 mm

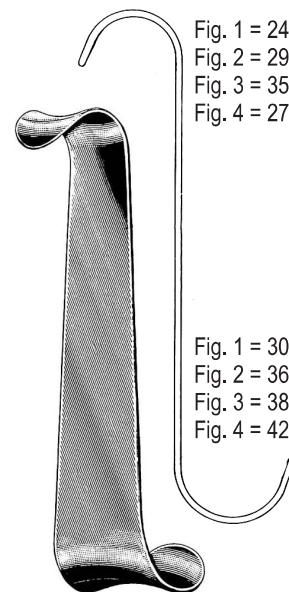
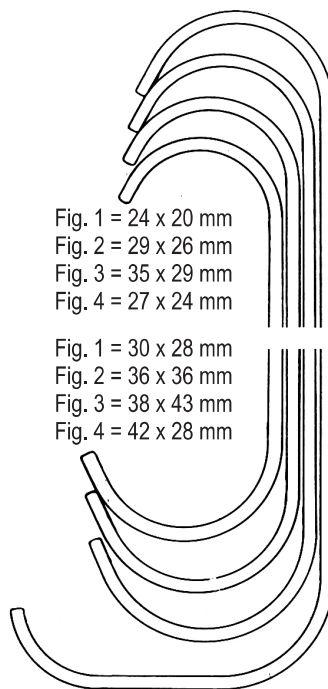
30 x 21 mm
38 x 30 mm

COLLIN-HARTMANN

DF-123-1493 14 cm/5 1/2"
DF-123-1494 16 cm/6 1/4"

**ROUX**

DF-123-1495 Set Fig. 1 - 3
DF-123-1496 Fig. 1 14 cm/5 1/2"
DF-123-1497 Fig. 2 15 cm/5 7/8"
DF-123-1498 Fig. 3 17 cm/6 3/4"
DF-123-1499 Fig. 4 18 cm/7 1/8"

**ROUX-MAGNUS**

DF-123-1500 Set Fig. 1 - 3
DF-123-1501 Fig. 1 14 cm/5 1/2"
DF-123-1502 Fig. 2 15 cm/5 7/8"
DF-123-1503 Fig. 3 17 cm/6 3/4"
DF-123-1504 Fig. 4 18 cm/7 1/8"

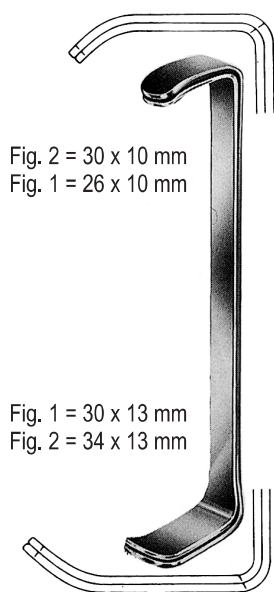


Fig. 2 = 30 x 10 mm
Fig. 1 = 26 x 10 mm

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

FARABEUF

DF-123-1505 Set
DF-123-1506 Fig. 1
DF-123-1507 Fig. 2
11.5 cm/4 1/2"

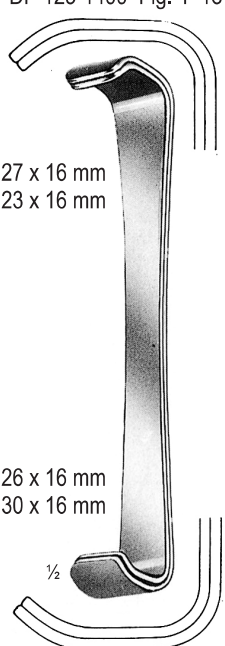
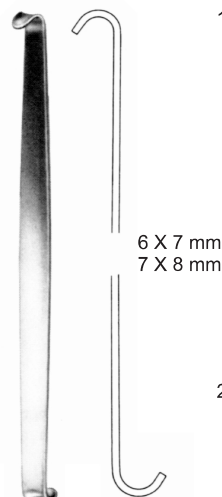


Fig. 2 = 27 x 16 mm
Fig. 1 = 23 x 16 mm

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

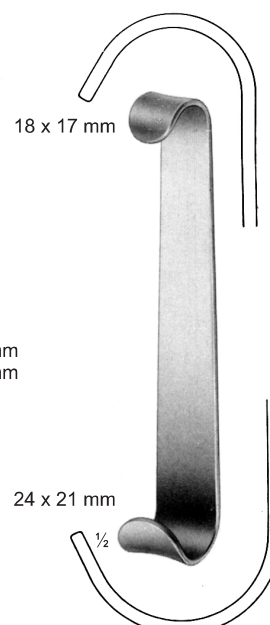
FARABEUF

DF-123-1508 Set
DF-123-1509 Fig. 1
DF-123-1510 Fig. 2
15 cm/5 7/8"

**MINI-ROUX**

DF-123-1511
14 cm/5 1/2"

Measurements of Spatulas : Depth x Width



18 x 17 mm

24 x 21 mm

BABY ROUX

DF-123-1512
13 cm/5 1/8"



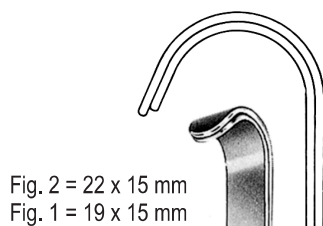


Fig. 1 = 19 x 15 mm
Fig. 2 = 22 x 15 mm

PARKER

DF-124-1513 Set
DF-124-1514 Fig. 1
DF-124-1515 Fig. 2
13.5 cm/5 3/8"

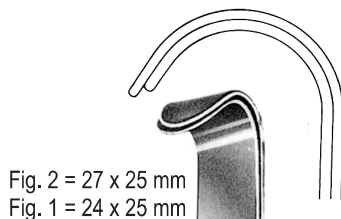


Fig. 1 = 26 x 25 mm
Fig. 2 = 29 x 25 mm

PARKER

DF-124-1516 Set
DF-124-1517 Fig. 1
DF-124-1518 Fig. 2
18 cm/7 1/8"

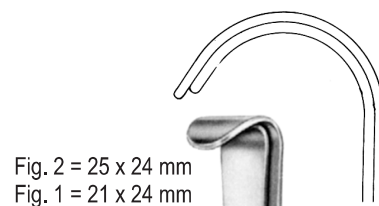
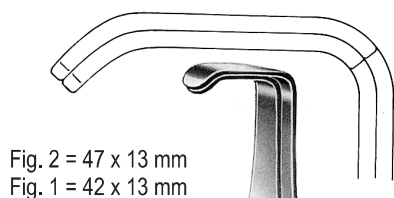


Fig. 1 = 68 x 24 mm
Fig. 2 = 72 x 24 mm

PARKER-MOTT

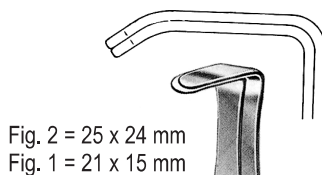
DF-124-1519 Set
DF-124-1520 Fig. 1
DF-124-1521 Fig. 2
16 cm/6 1/4"



MATHIEU

DF-124-1522 Set
DF-124-1523 Fig. 1
DF-124-1524 Fig. 2
20 cm/7 7/8"

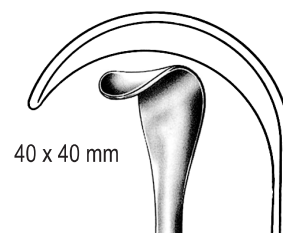
Fig. 1 = 42 x 26 mm
Fig. 2 = 46 x 26 mm



PARKER-LANGENBECK

DF-124-1525 Set
DF-124-1526 Fig. 1
DF-124-1527 Fig. 2
21 cm/8 1/4"

Fig. 1 = 40 x 15 mm
Fig. 2 = 45 x 15 mm

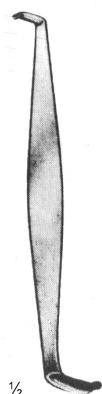


GOELET

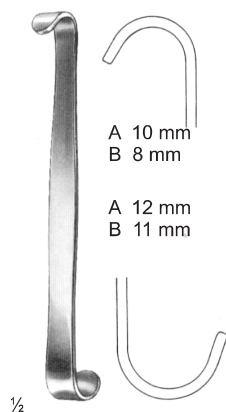
DF-124-1528
19 cm/7 1/2"

30 x 30 mm

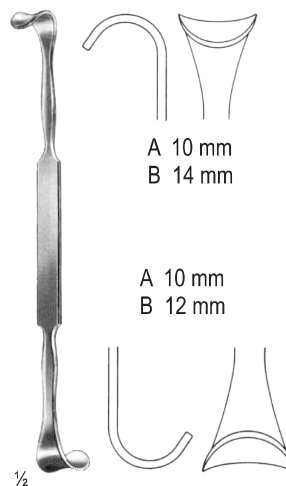
Measurements of Spatulas : Depth x Width



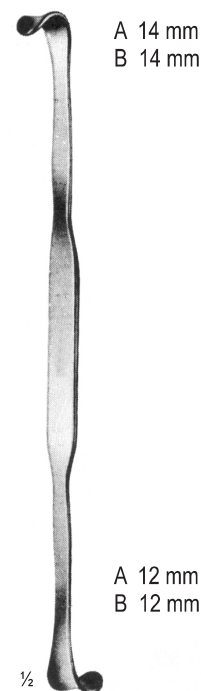
CRILE
DF-125-1529
11 cm/4 3/8"



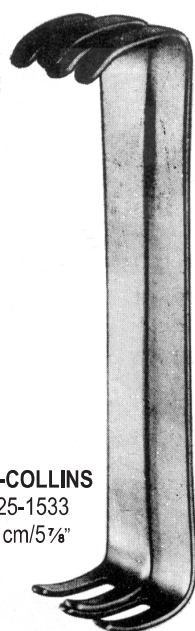
LUER
DF-125-1530
11 cm/4 3/8"



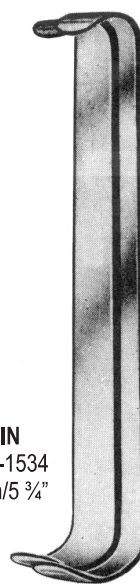
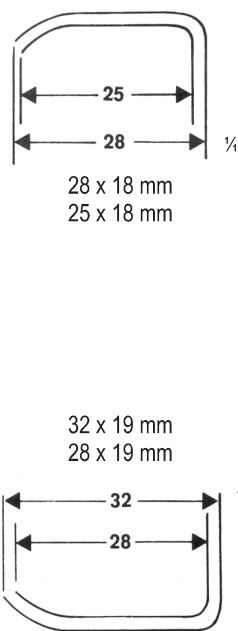
ROSE
DF-125-1531
13 cm/5 1/8"



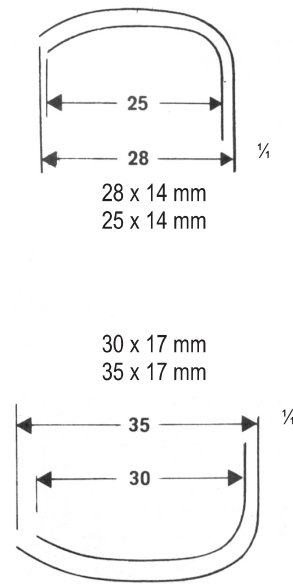
ROSE
DF-125-1532
19.5 cm/7 1/2"



MAYO-COLLINS
DF-125-1533
15 cm/5 7/8"

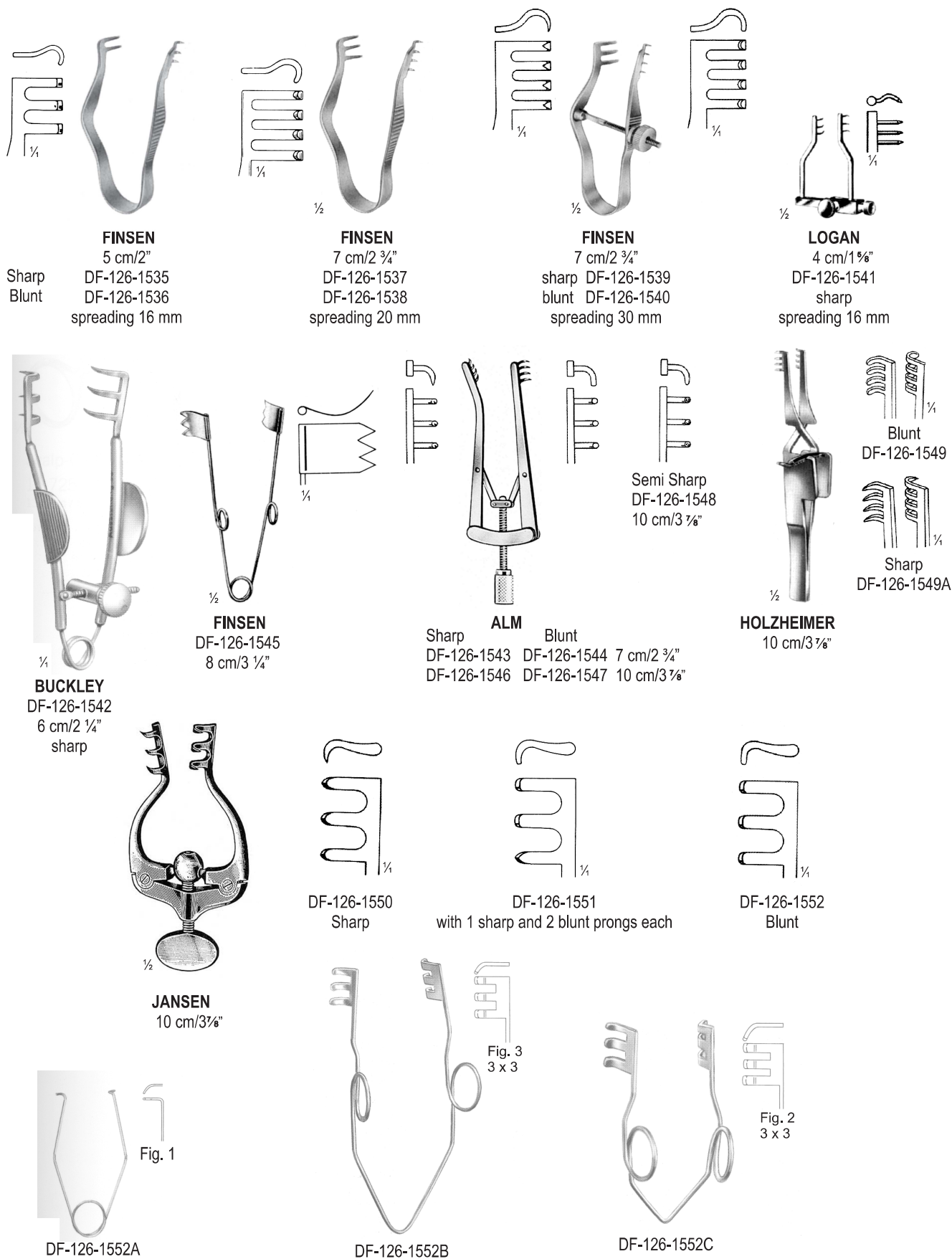


COLLIN
DF-125-1534
14.5 cm/5 3/4"



Measurements of Spatulas : Depth x Width





Measurements of Spatulas : Depth x Width



WEITLANER

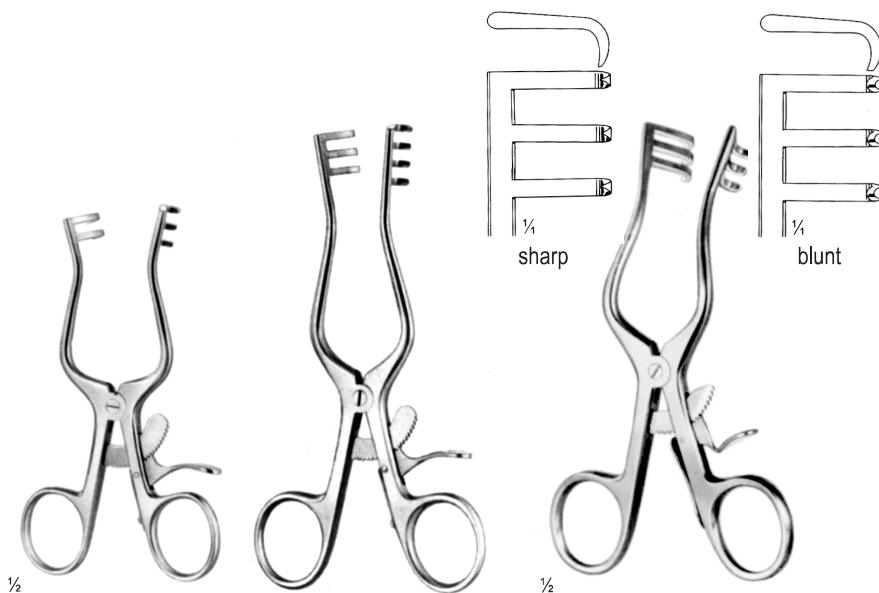
2 : 2

DF-127-1553 sharp
DF-127-1554 blunt
13.5 cm/5 5/8"

WEITLANER

2 : 2

DF-127-1555 semi sharp
13.5 cm/5 5/8"



WEITLANER

2 : 3

DF-127-1559 sharp
DF-127-1560 blunt
10.5 cm/4 1/8"

WEITLANER

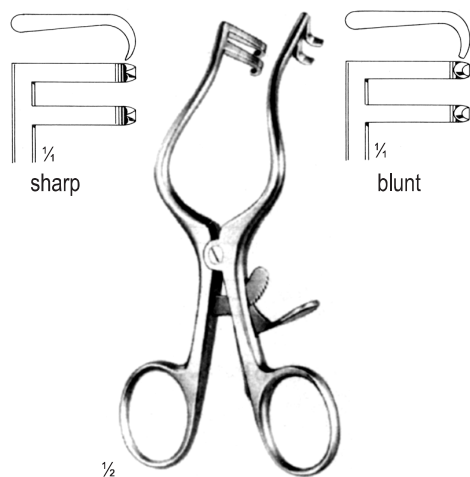
3 : 4

DF-127-1561 13 cm/5 1/8" sharp
DF-127-1562 13 cm/5 1/8" blunt
DF-127-1563 16.5 cm/6 1/2" sharp
DF-127-1564 16.5 cm/6 1/2" blunt

WEITLANER-WULLSTEIN

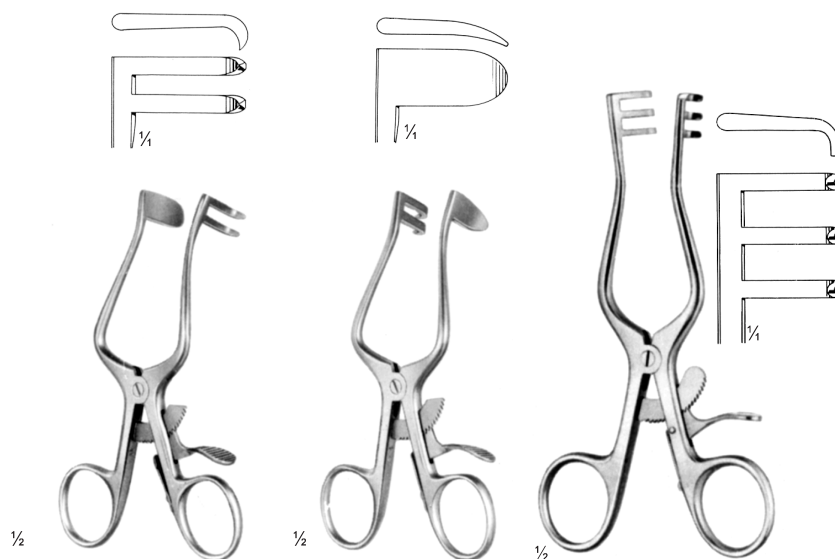
3 : 3

DF-127-1565 sharp
DF-127-1566 blunt
13 cm/5 1/8"



PLESTER

DF-127-1567 sharp
DF-127-1568 blunt
13 cm/5 1/8"



PLESTER

Blunt

DF-127-1569
10.5 cm/4 1/8"

PLESTER

Blunt

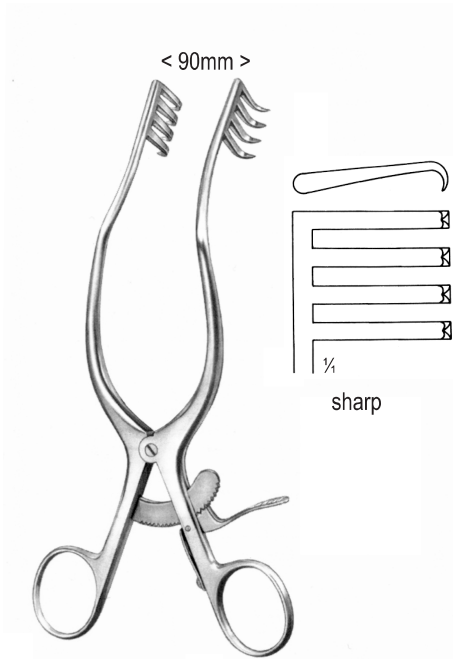
DF-127-1570
10.5 cm/4 1/8"

MILLIGAN

Blunt

DF-127-1571
13.5 cm/5 3/8"

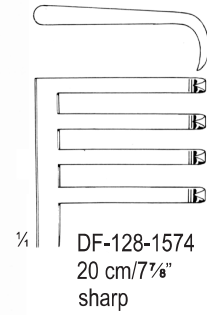
Measurements of Retractors : Depth x Width



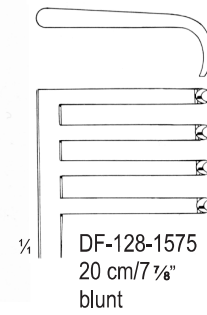
ANDERSON - ADSON
4 : 4
DF-128-1572
19 cm / 7 1/2"



WEITLANER
3 : 4



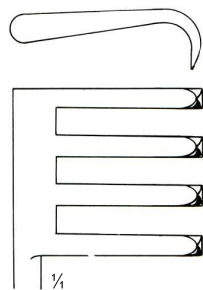
DF-128-1574
20 cm / 7 1/8"
sharp



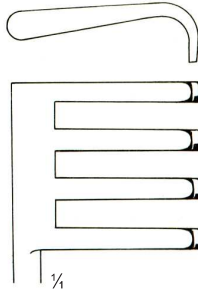
DF-128-1575
20 cm / 7 1/8"
blunt



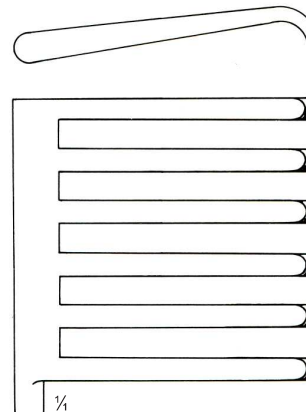
ADSON



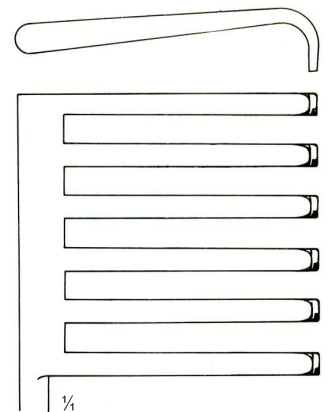
sharp
3 : 4 teeth
DF-128-1576
26 cm / 10 1/4"



blunt
3 : 4 teeth
DF-128-1577
26 cm / 10 1/4"



sharp
6 : 6 teeth
DF-128-1578
29 cm / 11 1/2"



blunt
6 : 6 teeth
DF-128-1579
29 cm / 11 1/2"

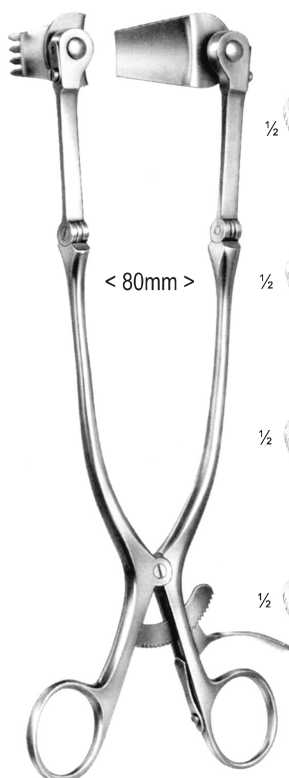
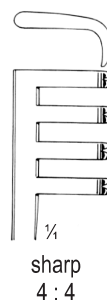
Measurements of Retractors : Depth x Width



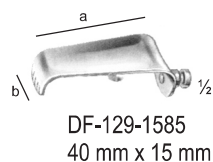
WEITLANER-BABY
DF-129-1580
13.5 cm/5 3/8"



MOLLISON
DF-129-1582A
15.5 cm/6 1/8"



CLOWARD
DF-129-1583 - Retractor complete (with 2 blades ea.)
DF-129-1584 - Retractor only
25 cm/9 7/8"



Toothed Blades

DF-129-1585
40 mm x 15 mm



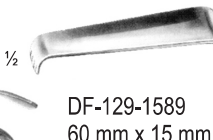
DF-129-1586
45 mm x 15 mm



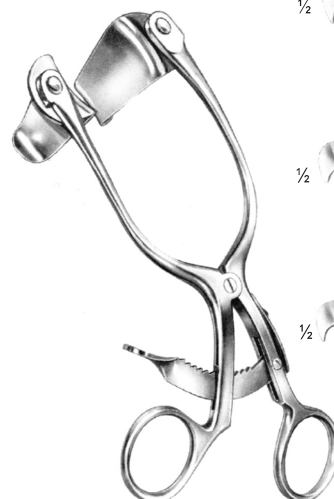
DF-129-1587
50 mm x 15 mm



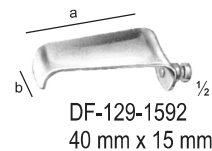
DF-129-1588
55 mm x 15 mm



DF-129-1589
60 mm x 15 mm

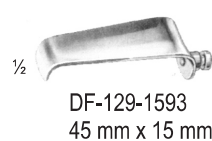


CLOWARD
DF-129-1590 - Retractor complete (with 2 blades ea.)
DF-129-1591 - Retractor only
16 cm/6 1/4"



Toothed Blades

DF-129-1592
40 mm x 15 mm



DF-129-1593
45 mm x 15 mm



DF-129-1594
50 mm x 15 mm



DF-129-1595
55 mm x 15 mm



DF-129-1596
60 mm x 15 mm



ADSON

sharp

DF-129A-1596A

13.5 cm/5 3⁄8"

3 : 4

DF-129-1581

16.5 cm/6 1⁄2"

3 : 4

DF-129A-1596E

21 cm/8 1⁄4"

3 : 4

DF-129A-1596G

24.5 cm/9 5⁄8"

3 : 4

blunt

DF-129A-1596B

13.5 cm/5 3⁄8"

3 : 4

DF-129-1582

16.5 cm/6 1⁄2"

3 : 4

DF-129A-1596F

21 cm/8 1⁄4"

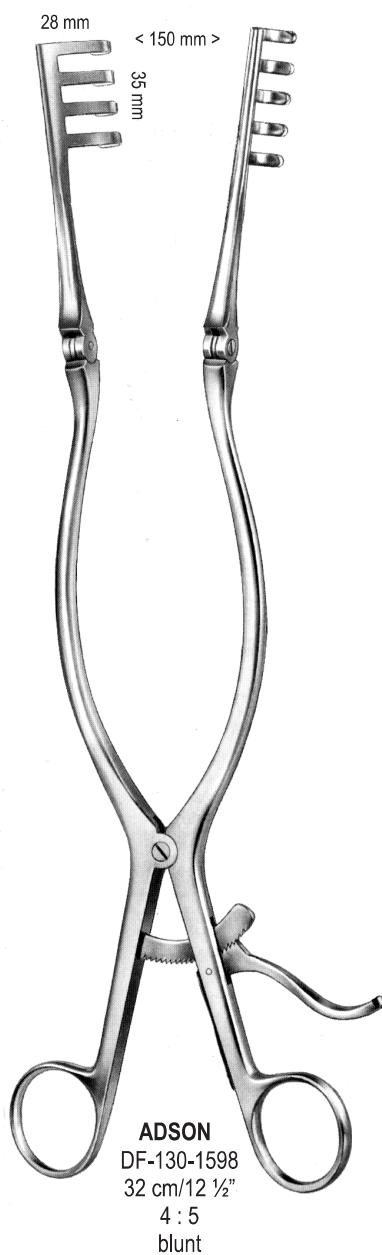
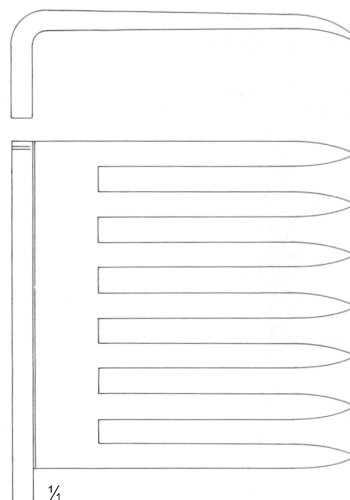
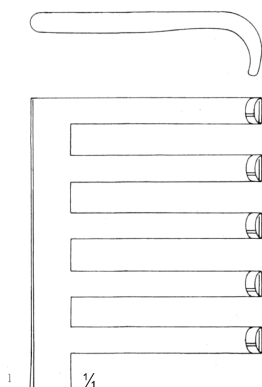
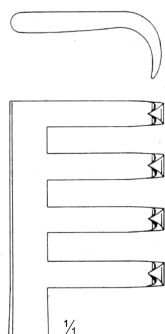
3 : 4

DF-129A-1596H

24.5 cm/9 5⁄8"

3 : 4

Measurements of retractors: Depth x Width

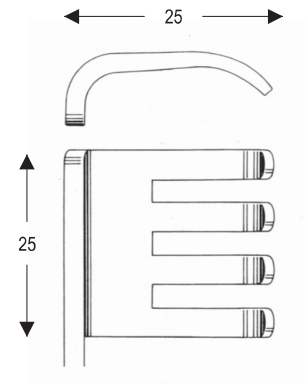


Measurements of retractors: Depth x Width

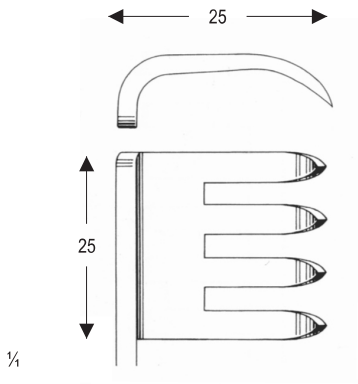




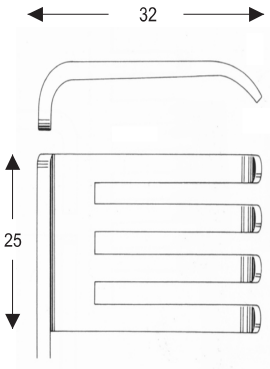
BECKMAN-ADSON
30.5 cm/12"
4 : 4



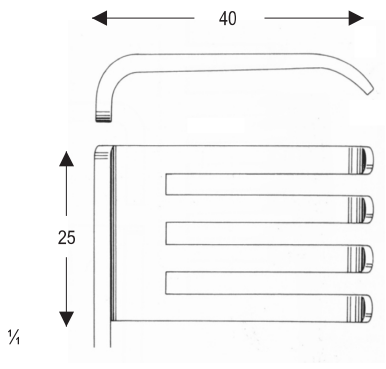
DF-131-1600
blunt



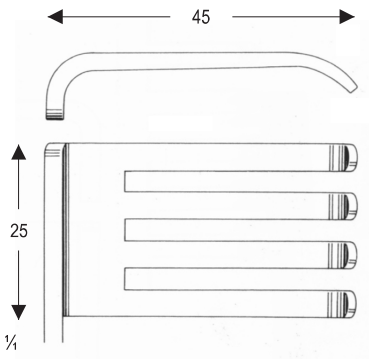
DF-131-1601
sharp



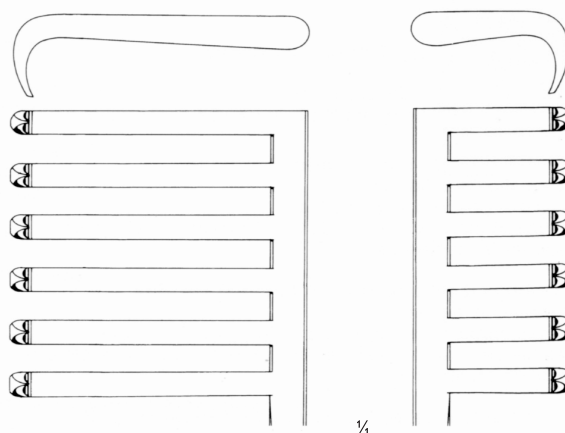
DF-131-1602
blunt



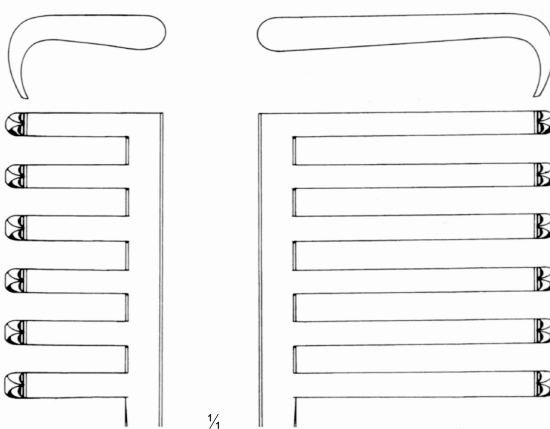
DF-131-1603
blunt



DF-131-1604
blunt



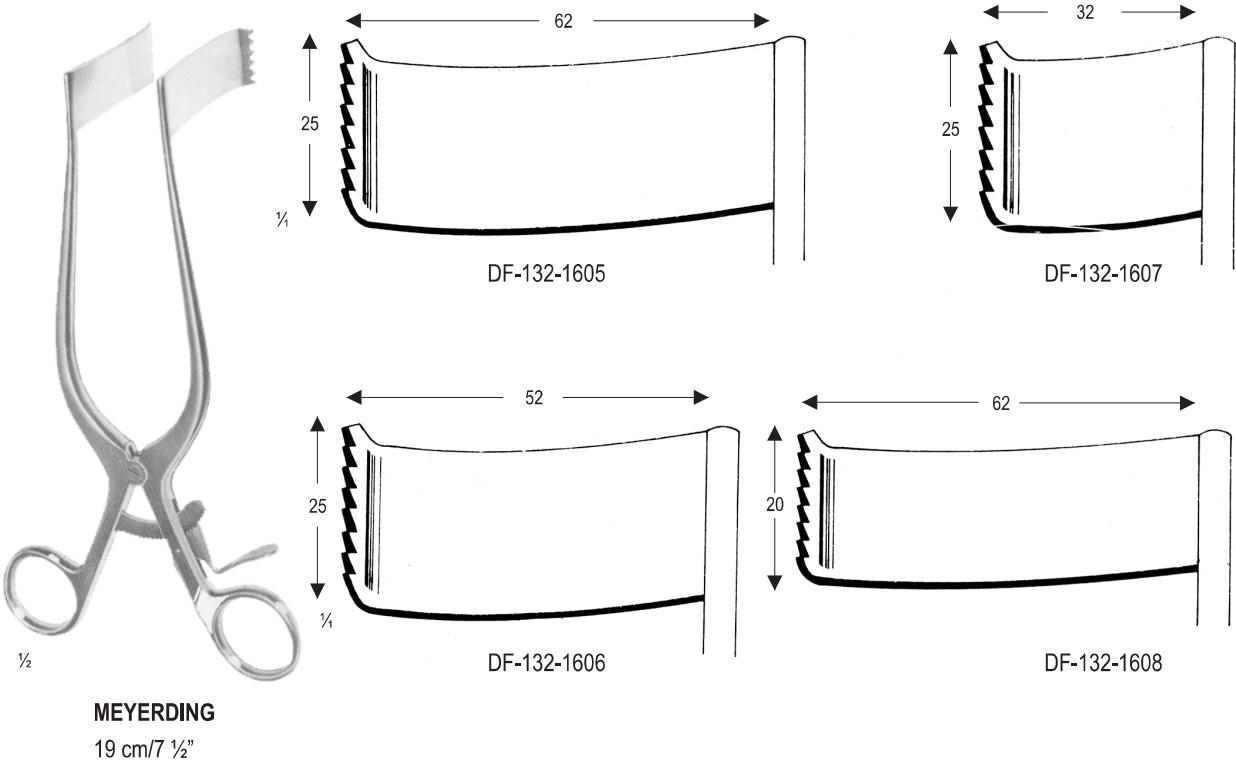
DF-131-1604A
Sharp, long teeth on left side



DF-131-1604B
Sharp, long teeth on right side

Measurements of retractors: Depth x Width





Measurements of retractors: Depth x Width

Lateral Blade
25 x 50 mm



1/2

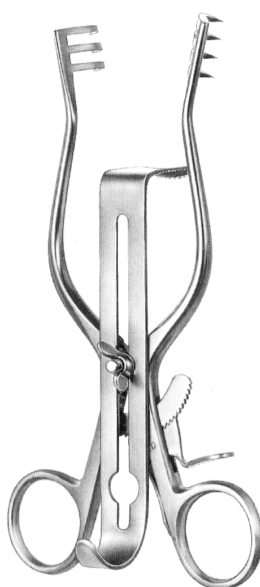
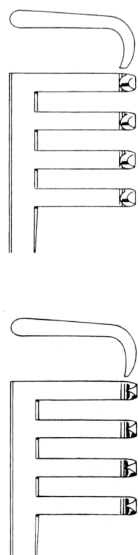
MARKHAM-MEYERDING
DF-133-1609
18 cm/7 1/8"

Lateral Blade
25 x 50 mm



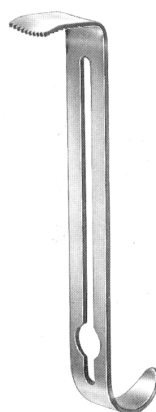
1/2

MARKHAM-MEYERDING
DF-133-1610
18 cm/7 1/8"

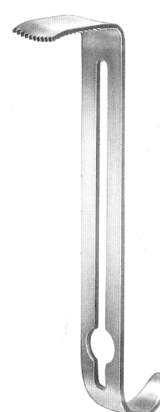


1/2

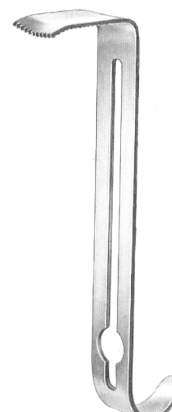
HENLEY
16 cm/6 1/4"



DF-133-1613A
19 x 16 mm



DF-133-1613B
25 x 16 mm



DF-133-1613C
32 x 16 mm

Measurements of retractors: Depth x Width





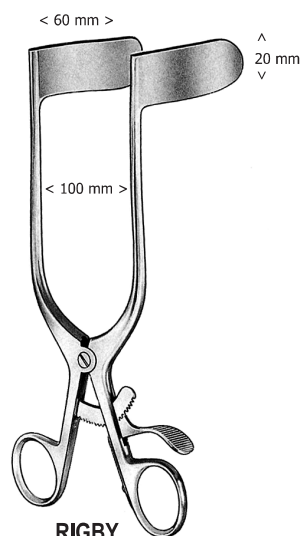
GELPI

DF-134-1616A 9 cm/3 1/2"
DF-134-1616B 11 cm/4 3/8"
DF-134-1616C 13 cm/5 1/8"
DF-134-1616D 14 cm/5 1/2"
DF-134-1616E 16 cm/6 1/4"
DF-134-1616 18 cm/7 1/8"



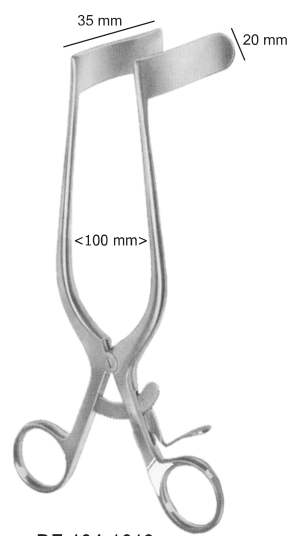
GELPI-LOKTITE

DF-134-1617A 9 cm/3 1/2"
DF-134-1617B 11 cm/4 3/8"
DF-134-1617C 13 cm/5 1/8"
DF-134-1617D 14 cm/5 1/2"
DF-134-1617E 16 cm/6 1/4"
DF-134-1617 18 cm/7 1/8"



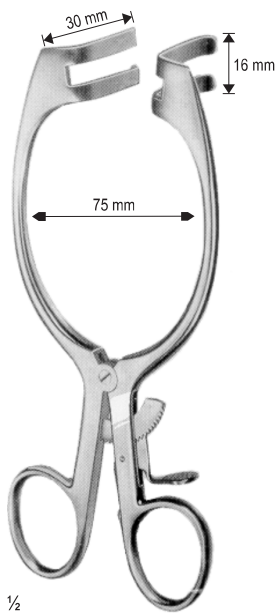
RIGBY

DF-134-1618
(Rectum, Vagina)
19 cm/7 1/2"

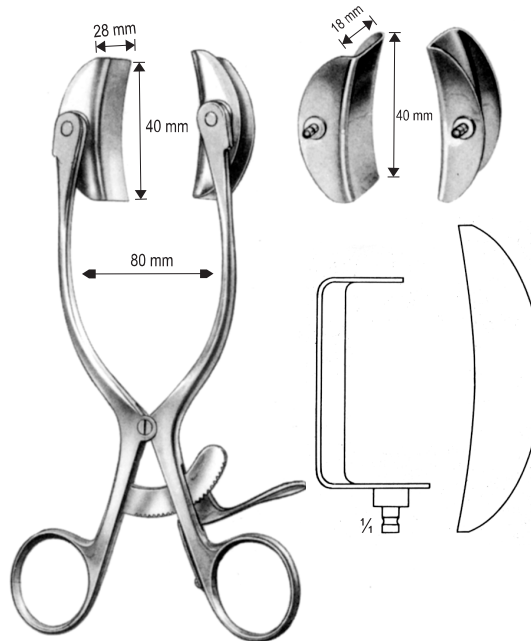


DF-134-1619
18 cm/7 1/8"

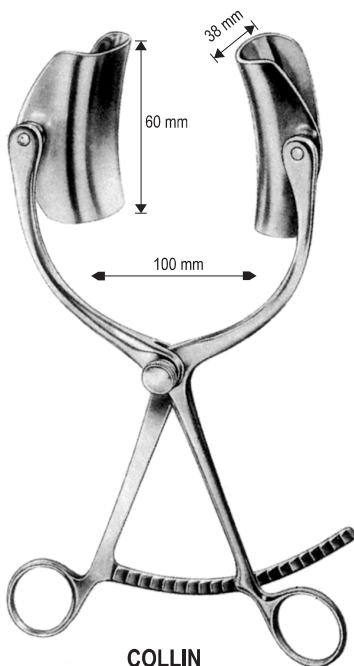
Measurements of retractors: Depth x Width



MAYO-ADAMS
DF-135-1621
16.5 cm/6 1/2"

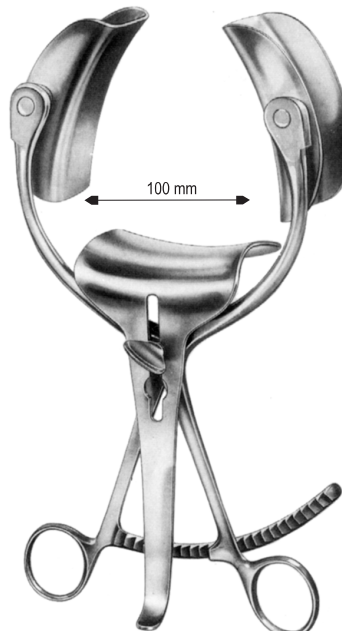


BABY-COLLIN
DF-135-1623 complete, with 2 pairs of exchangeable blades



COLLIN
DF-135-1624

Measurements of retractors: Depth x Width



COLLIN
DF-135-1625
DF-135-1626

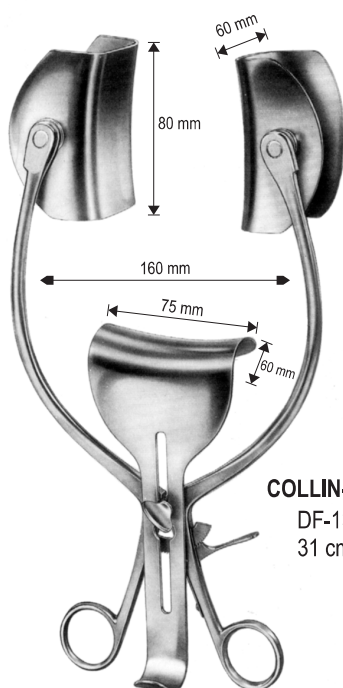
Lateral Blades	Central Blades
38 x 60 mm	38 x 55 mm
38 x 80mm	50 x 75mm

Exchangeable Blades

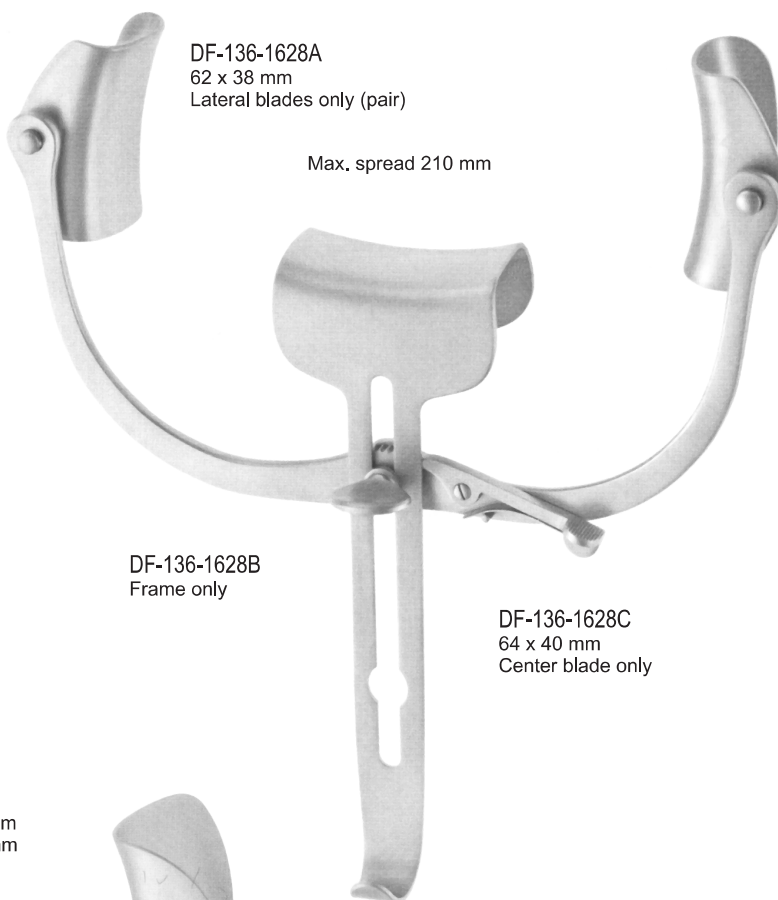
Measurements see below



Exchangeable Blades



COLLIN-LOCKTITE
DF-136-1627
31 cm/12 1/4"

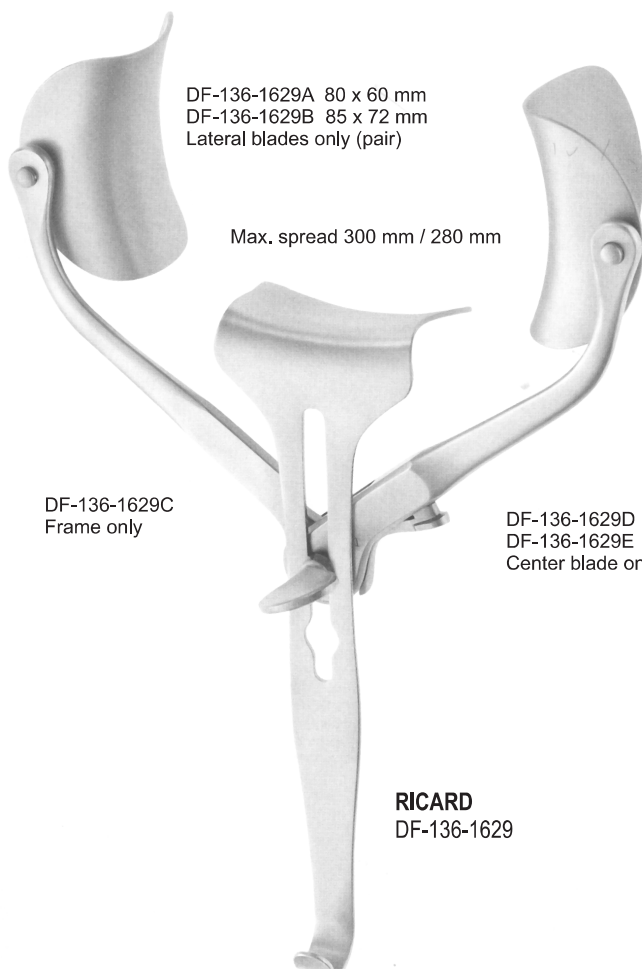


DF-136-1628A
62 x 38 mm
Lateral blades only (pair)

Max. spread 210 mm

DF-136-1628B
Frame only

DF-136-1628C
64 x 40 mm
Center blade only



DF-136-1629A 80 x 60 mm
DF-136-1629B 85 x 72 mm
Lateral blades only (pair)

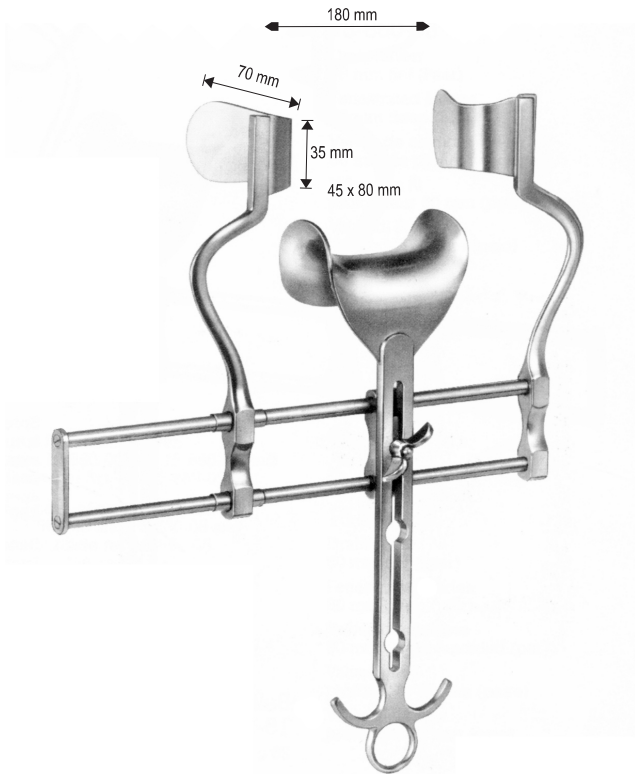
Max. spread 300 mm / 280 mm

DF-136-1629C
Frame only

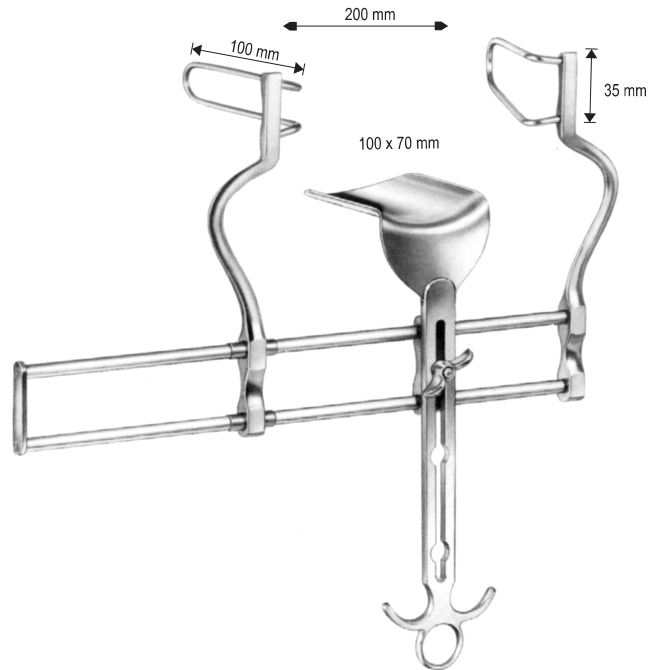
DF-136-1629D 70 x 55 mm
DF-136-1629E 90 x 80 mm
Center blade only

RICARD
DF-136-1629

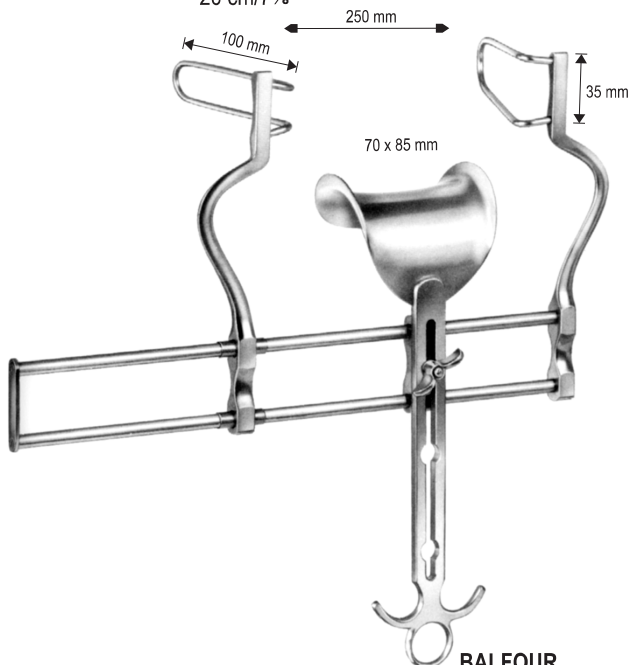
Measurements of retractors: Depth x Width



BALFOUR
DF-138-1635
20 cm/7 7/8"

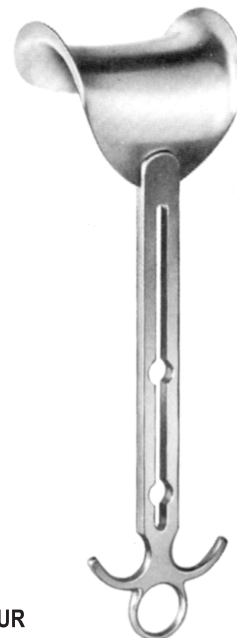


BALFOUR
DF-138-1636



BALFOUR
DF-138-1637

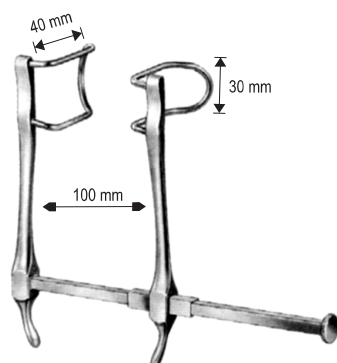
Centre Blade only



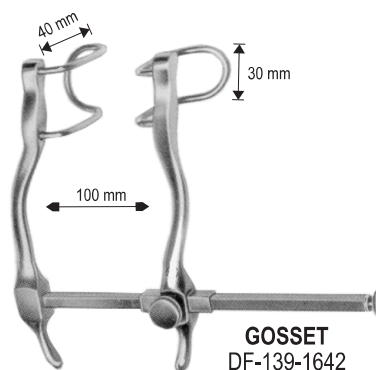
BALFOUR
DF-138-1638 = 45 X 80 mm
DF-138-1639 = 70 X 85 mm
DF-138-1640 = 80 X 90 mm

Measurements of retractors: Depth x Width

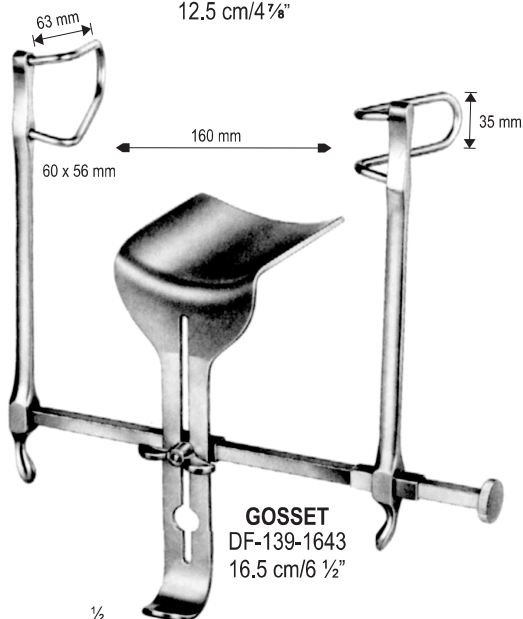




GOSSET-BABY
DF-139-1641
12.5 cm/4 7/8"

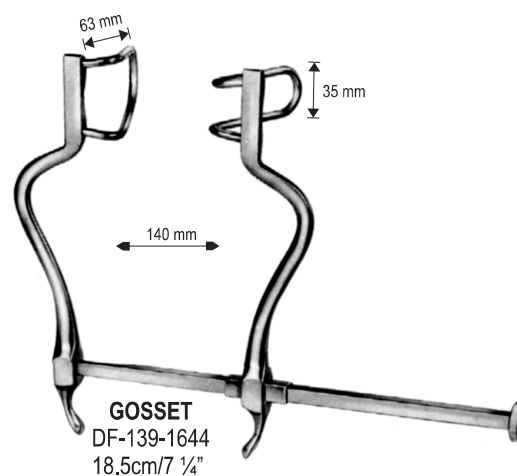


GOSSET
DF-139-1642

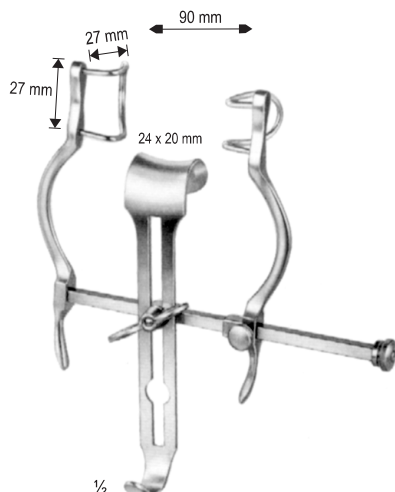


GOSSET
DF-139-1643
16.5 cm/6 1/2"

1/2

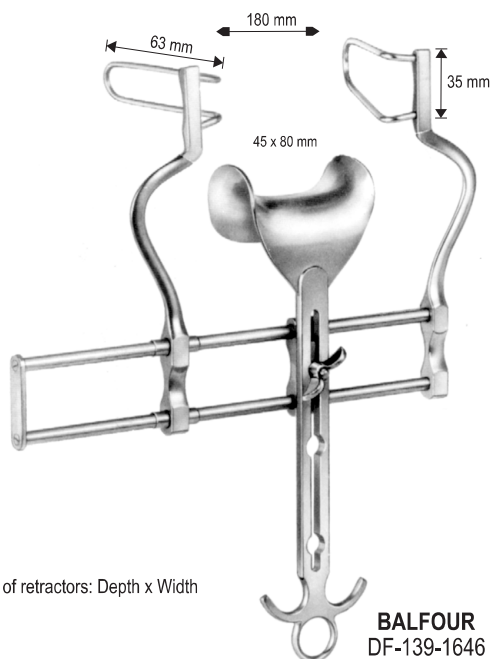


GOSSET
DF-139-1644
18.5cm/7 1/4"



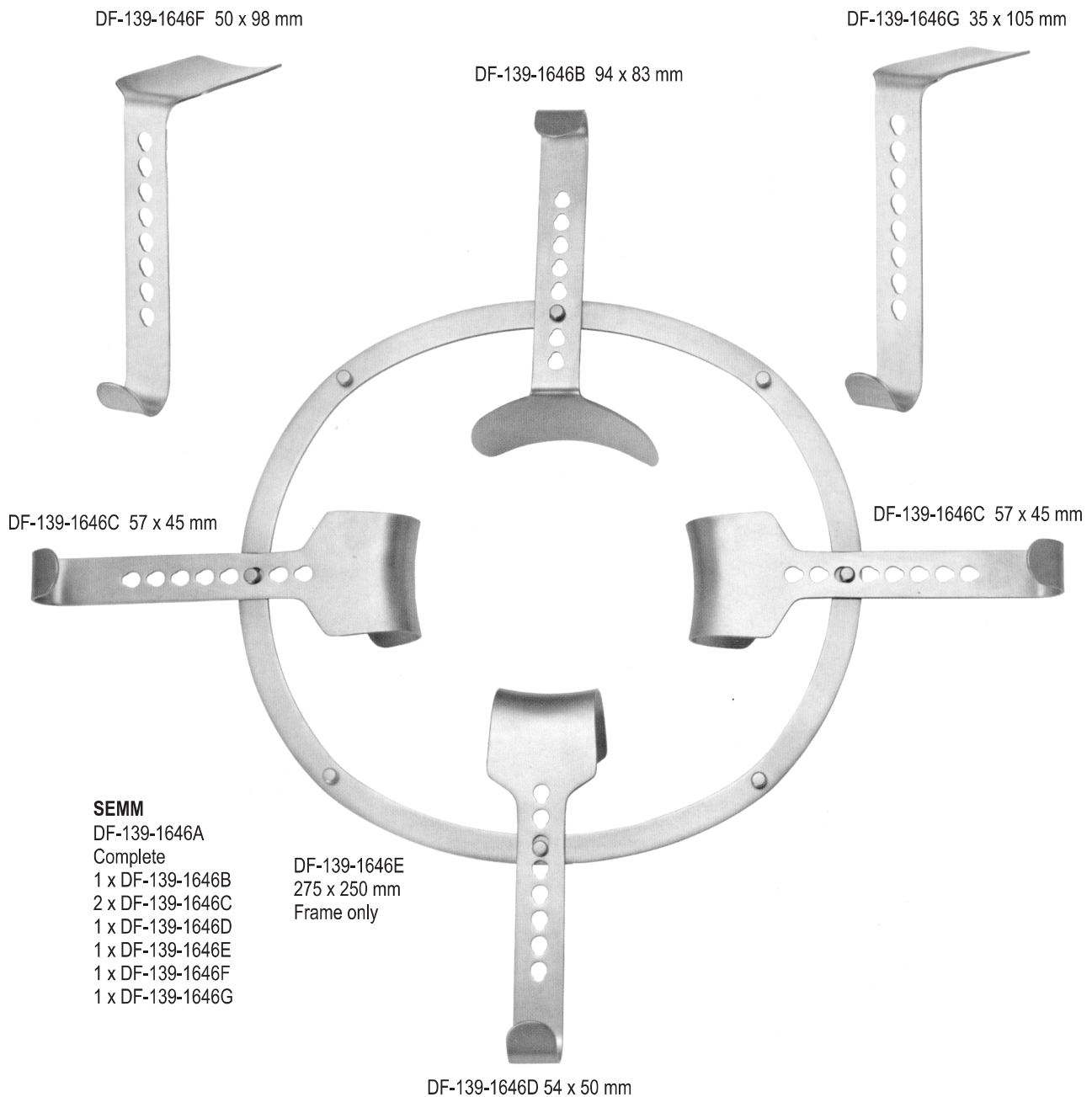
BALFOUR-BABY
DF-139-1645
12.5cm/4 7/8"

1/2



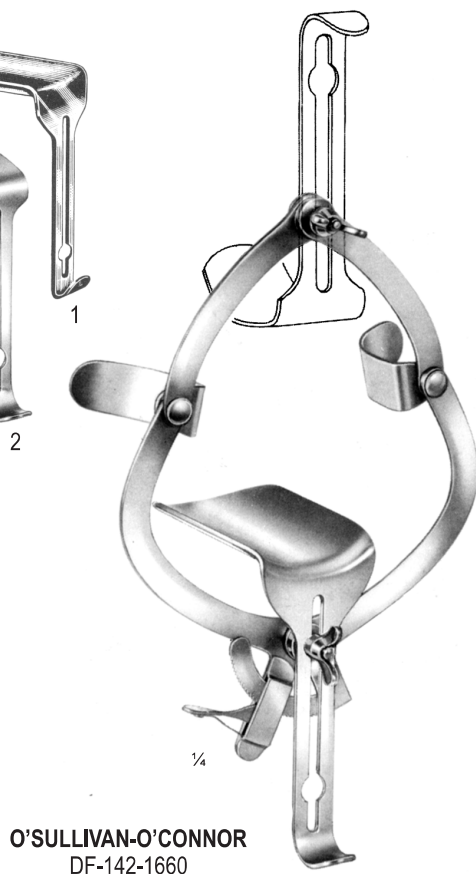
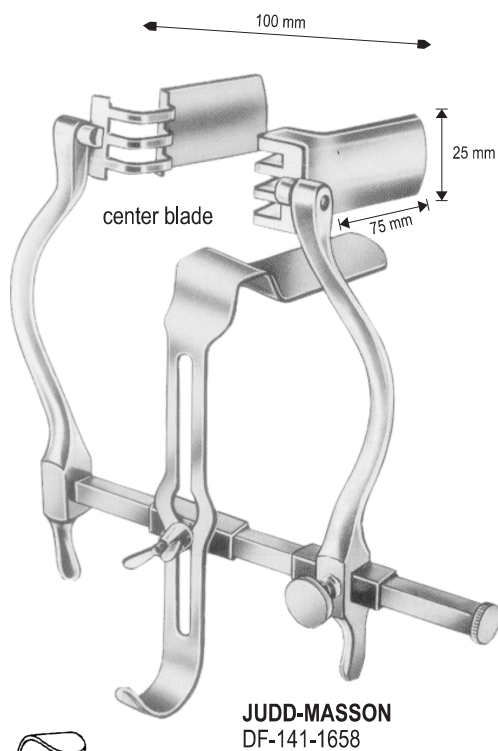
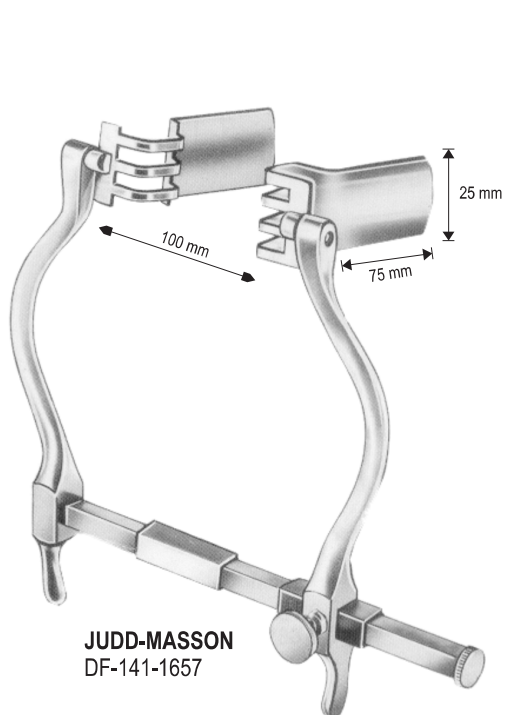
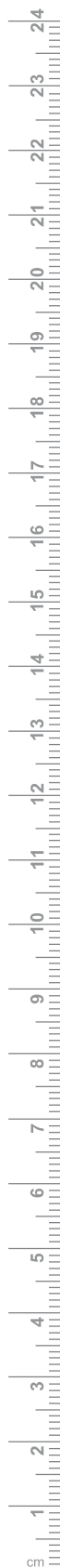
BALFOUR
DF-139-1646
20cm/7 7/8"

.Measurements of retractors: Depth x Width



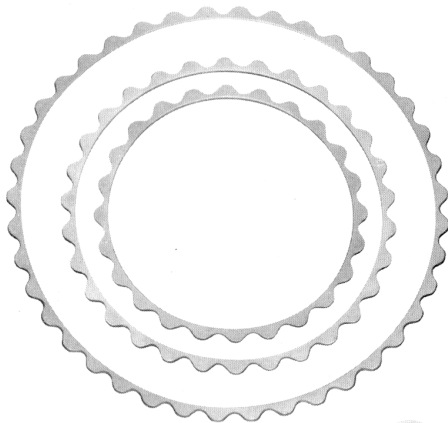
Measurements of retractors: Depth x Width





DOYEN
DF-142-1661 55 x 95 mm
DF-142-1662 55 x 105 mm
DF-142-1663 55 x 115 mm
DF-142-1664 55 x 125 mm

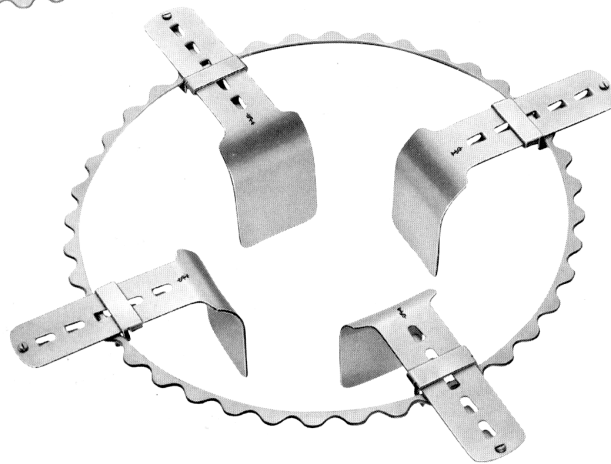
Measurements of retractors: Depth x Width



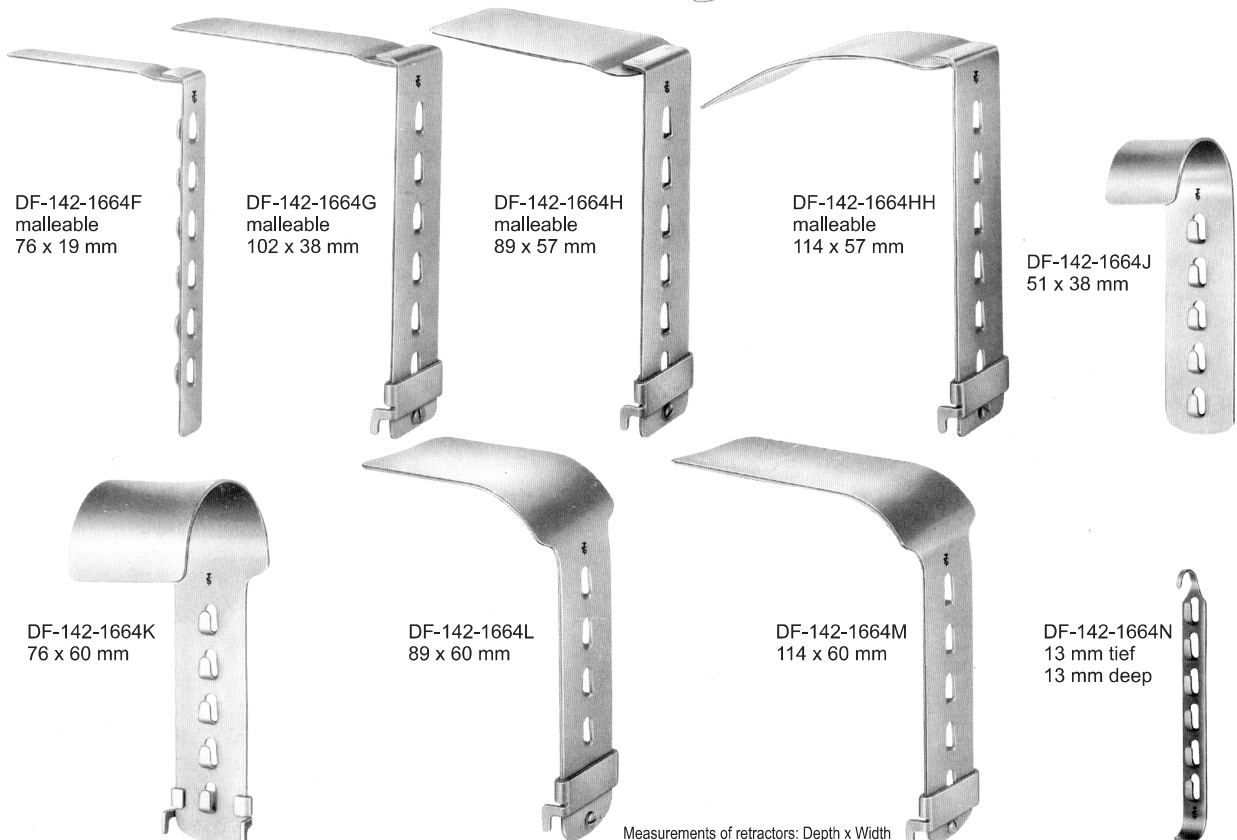
TURNER-WARWICK
DF-142-1664D
Retractor frame, oval
457 x 330 mm



TURNER-WARWICK
Retractor frame, round
DF-142-1664A Ø 18 cm/7 1/8"
DF-142-1664B Ø 23cm/9"
DF-142-1664C Ø 30.5cm/12"

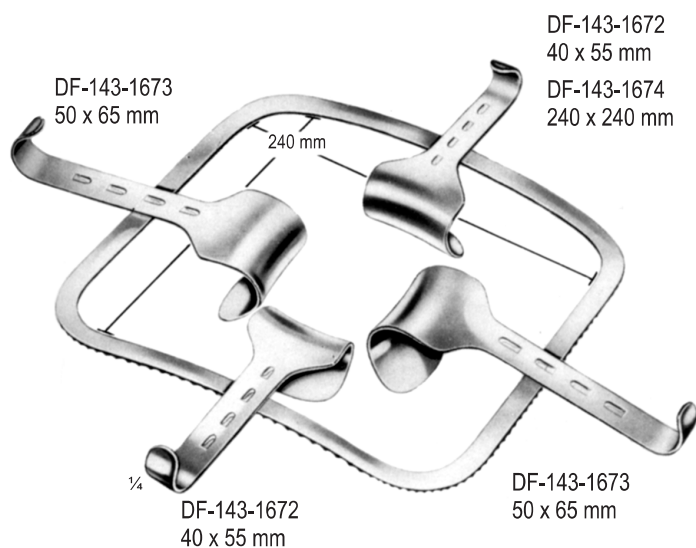


TURNER-WARWICK
DF-142-1664E
Abdominal retractor, complete
consisting of
1 frame DF-142-1664A - 1664C each
2 retractor blades of each DF-142-1664F - 1664HH
2 abdominal retractor of each DF-142-1664J & K
2 abdominal retractor of each DF-142-1664L & M
2 retractor blade single hooks DF-142-1664N



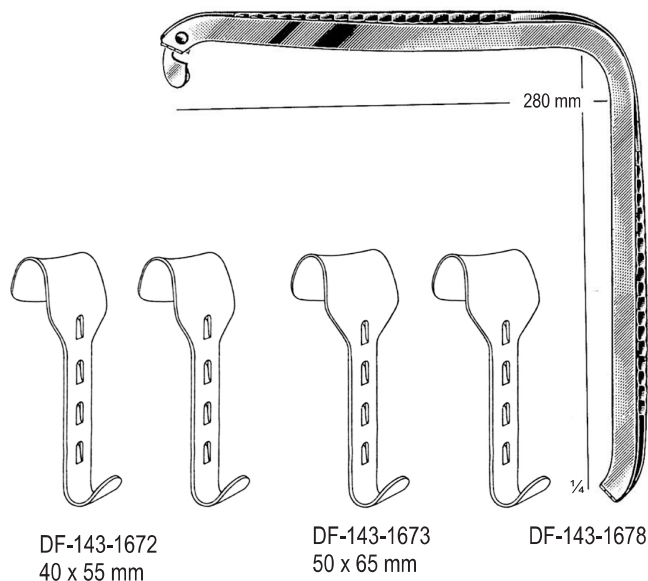
Measurements of retractors: Depth x Width





KIRSCHNER
DF-143-1671

- DF-143-1671 - Kirschner, Abdominal Retractor
- complete, consisting of:
- DF-143-1672 - 2 Hook-on retractors, 40 x 55 mm
- DF-143-1673 - 2 ditto, 50 x 65 mm
- DF-143-1674 - Frame only, rigid, 240 x 240 mm

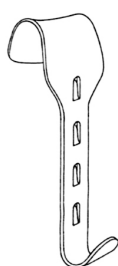


KIRSCHNER
DF-143-1675

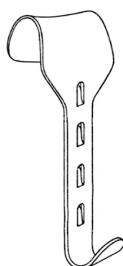
- DF-143-1675 - Kirschner, Abdominal Retractor, folding,
- large size, complete, consisting of:
- DF-143-1676 - 1 Frame folding type, large size
- 280 x 280 mm
- DF-143-1677 - 2 Hook-on retractors, 40 x 55 mm
- DF-143-1678 - 2 ditto, 50 x 65 mm
- DF-143-1678 - Frame only, folding type 280 x 280 mm

Hook-on Retractors for Kirschner and Franz Frames

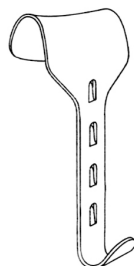
Standard



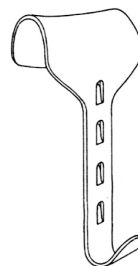
DF-143-1672
40 x 55 mm



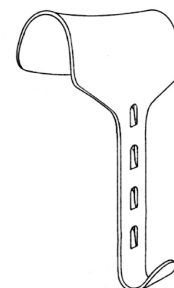
DF-143-1673
50 x 65 mm



DF-144-1689
60 x 85 mm



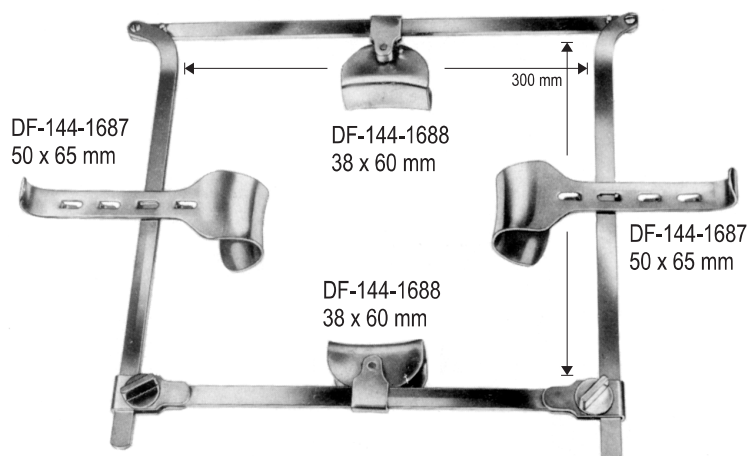
DF-143-1680
78 x 65 mm



DF-145-1699
80 x 90 mm

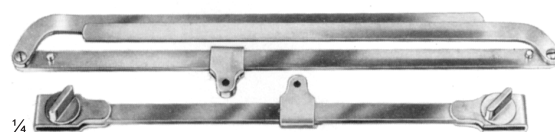
for corpulent patients

Measurements of retractors: Depth x Width



FRANZ (Complete)

DF-144-1684 with 4 blades
DF-144-1685 with 8 blades



DF-144-1686
300 x 300 mm

Folding frame

DF-144-1690
45 x 80 mm

DF-144-1689
60 x 85 mm

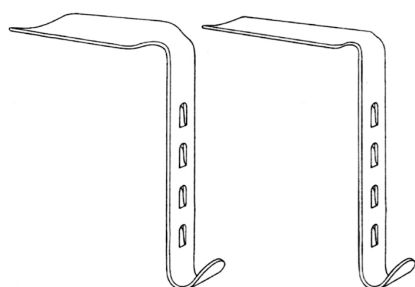
DF-144-1689
60 x 85 mm

DF-144-1690
45 x 80 mm

- DF-144-1684 - Franz, Abdominal Retractor, folding, complete, consisting of:
- DF-144-1687 - 2 Hook-on retractors, 50 x 65 mm
- DF-144-1688 - 2 exchangeable blades 38 x 60 mm
- DF-144-1686 - Frame, folding, only, 300 x 300 mm

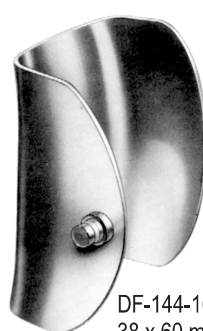
- DF-144-1685 - Franz, Abdominal Retractor, folding, complete, consisting of:
- DF-144-1686 - 1 Frame folding, 300 x 300 mm
- DF-144-1687 - 2 Hook-on retractors, 50 x 65 mm
- DF-144-1689 - 2 ditto, 60 x 85 mm
- DF-144-1688 - 2 exchangeable blades 38 x 60 mm
- DF-144-1690 - 2 ditto, 45 x 80 mm

Intestinal and bladder



DF-144-1692
98 x 50 mm

DF-144-1694
105 x 35 mm



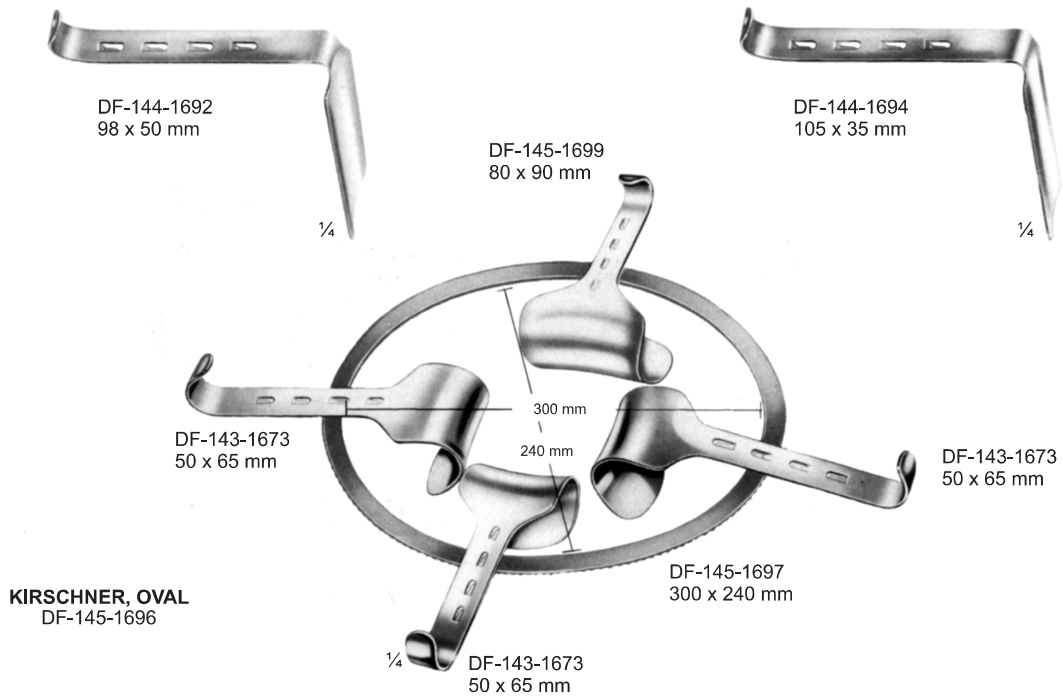
DF-144-1688
38 x 60 mm



DF-144-1690
45 x 80 mm

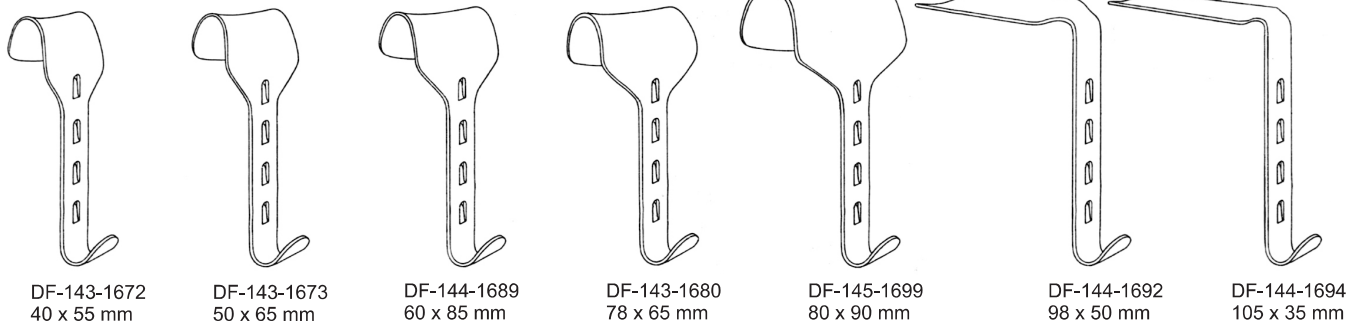
Measurements of retractors: Depth x Width





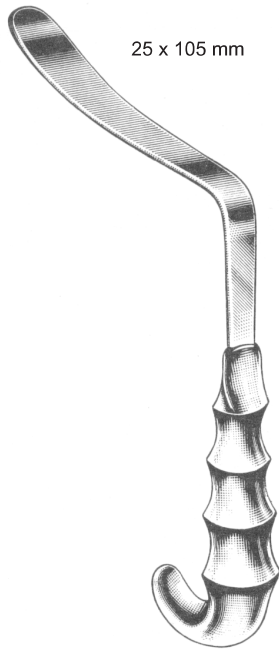
- DF-145-1696 - Kirschner, Abdominal Retractor, Oval,
- complete, consisting of:
DF-145-1697 - 1 Frame, 300 x 240 mm
DF-143-1673 - 3 Hook-on retractors, 50 x 65 mm
DF-145-1699 - 1 ditto, 80 x 90 mm
DF-144-1692 - 1 ditto, 98 x 50 mm
DF-144-1694 - 1 ditto, 105 x 35 mm
DF-145-1697 - Frame only, 300 x 240 mm
Hook-on retractors see bottom of page

Hook-on Retractors for Kirschner and Franz Frames



Intestinal and bladder

Measurements of retractors: Depth x Width



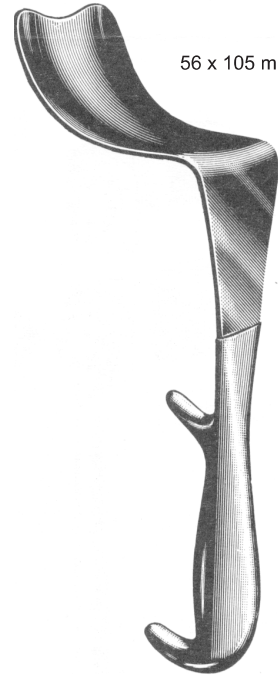
25 x 105 mm

LEGUEU
DF-146-1703
25 cm/9 7/8"



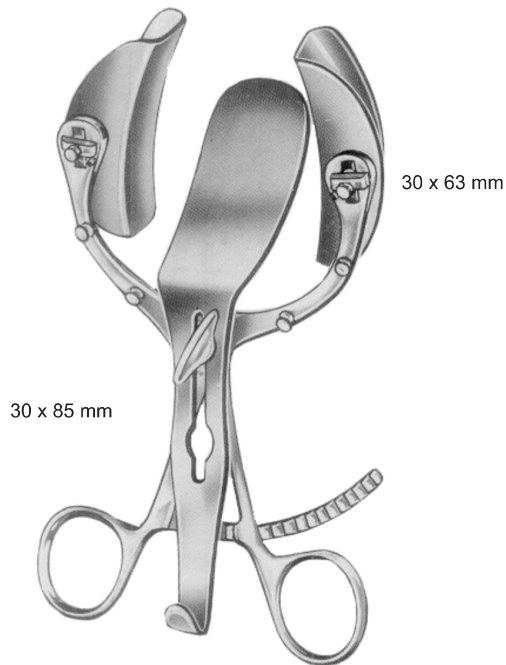
67 x 105 mm

KOCHER
DF-146-1704
26 cm/10 1/4"



56 x 105 mm

KOCHER
DF-146-1705
26 cm/10 1/4"



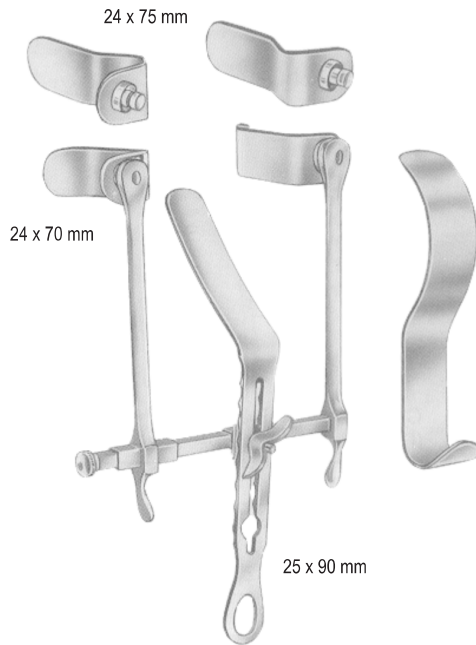
30 x 85 mm

30 x 63 mm

LEGUEU
DF-146-1706

Measurements of retractors: Depth x Width

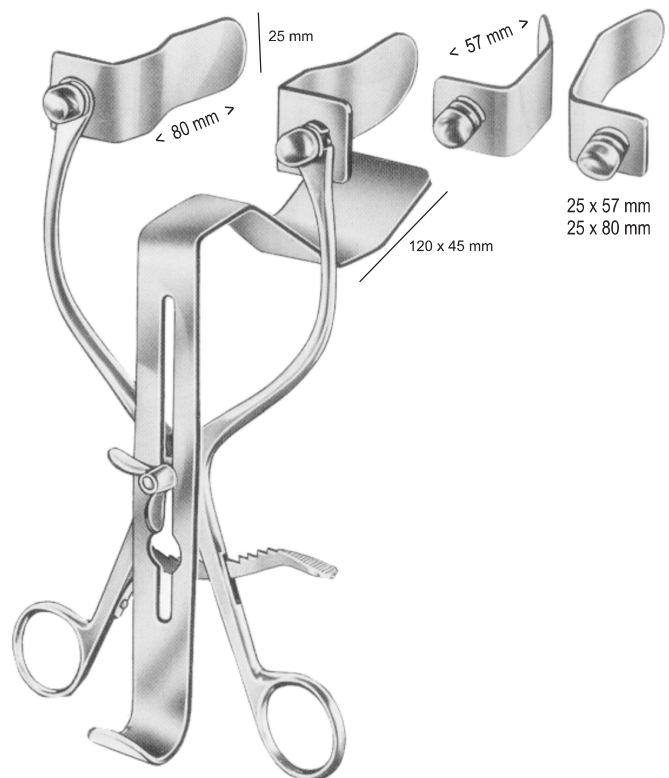




THOMSON-WALKER
DF-147-1707



CHARNLEY Initial Incision Retractor
with Chain and Weight
HIM-TK-13-390



MILLIN
DF-147-1708

Measurements of retractors: Depth x Width