



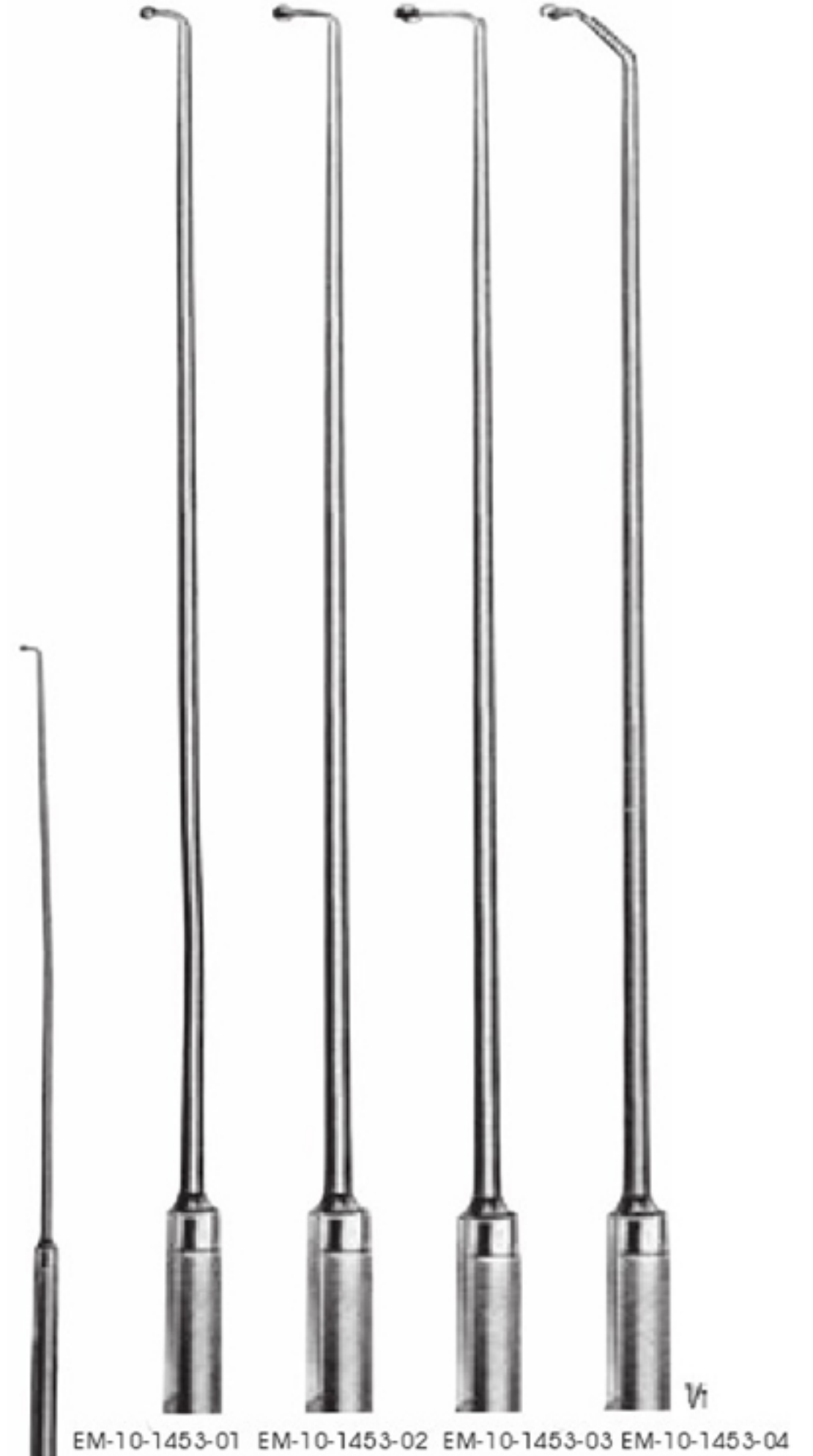
# Retractors, Hooks And Spatulas

## Retraktoren, Haken und Spatel

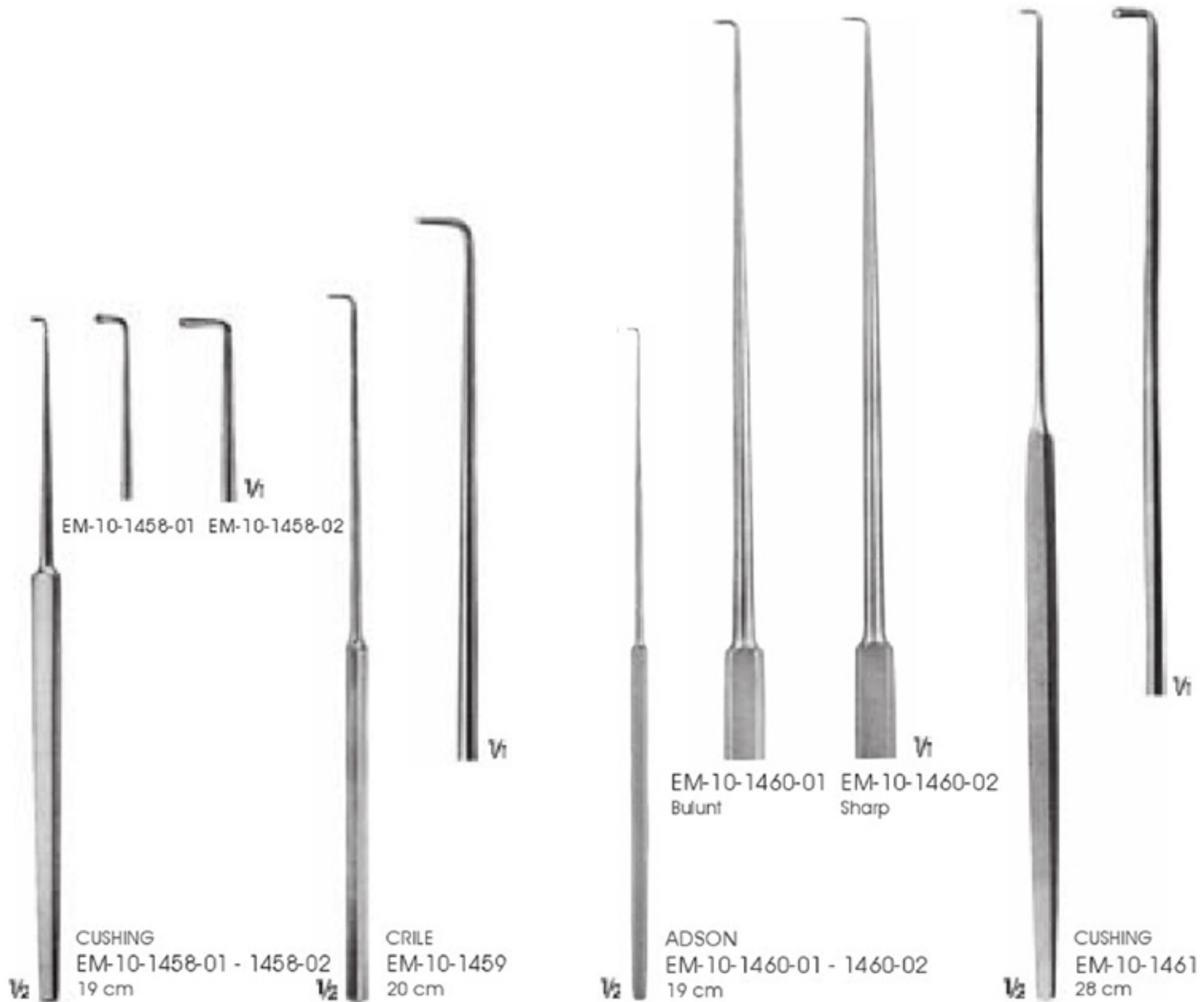
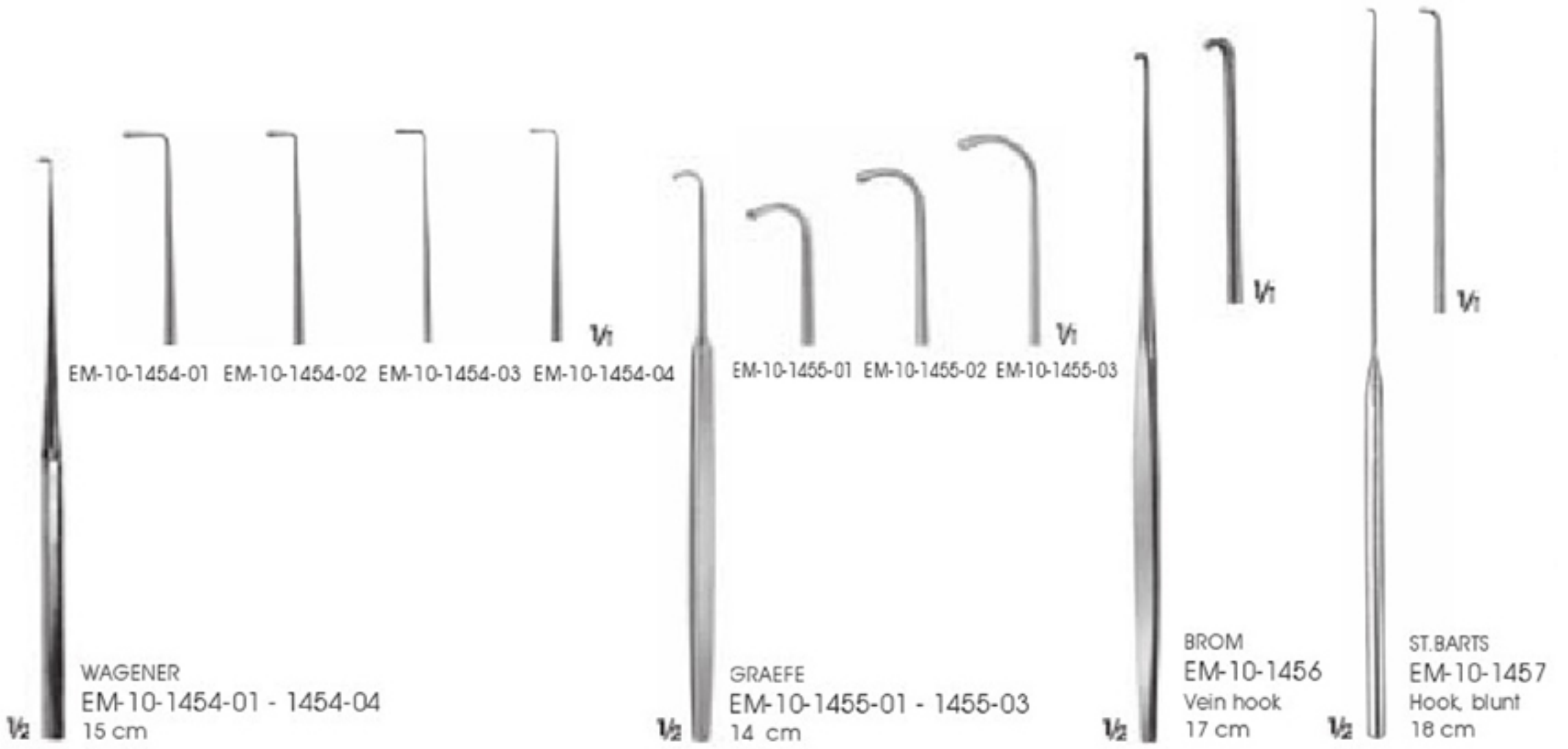
	<p>Ekartörler için ölçü sistemi Derinlik :1 Genişlik :2 Örnek:1 x 2</p>	<p>Measurement system for retractor blades Depth:1 Width :2 Example:1 x 2</p>
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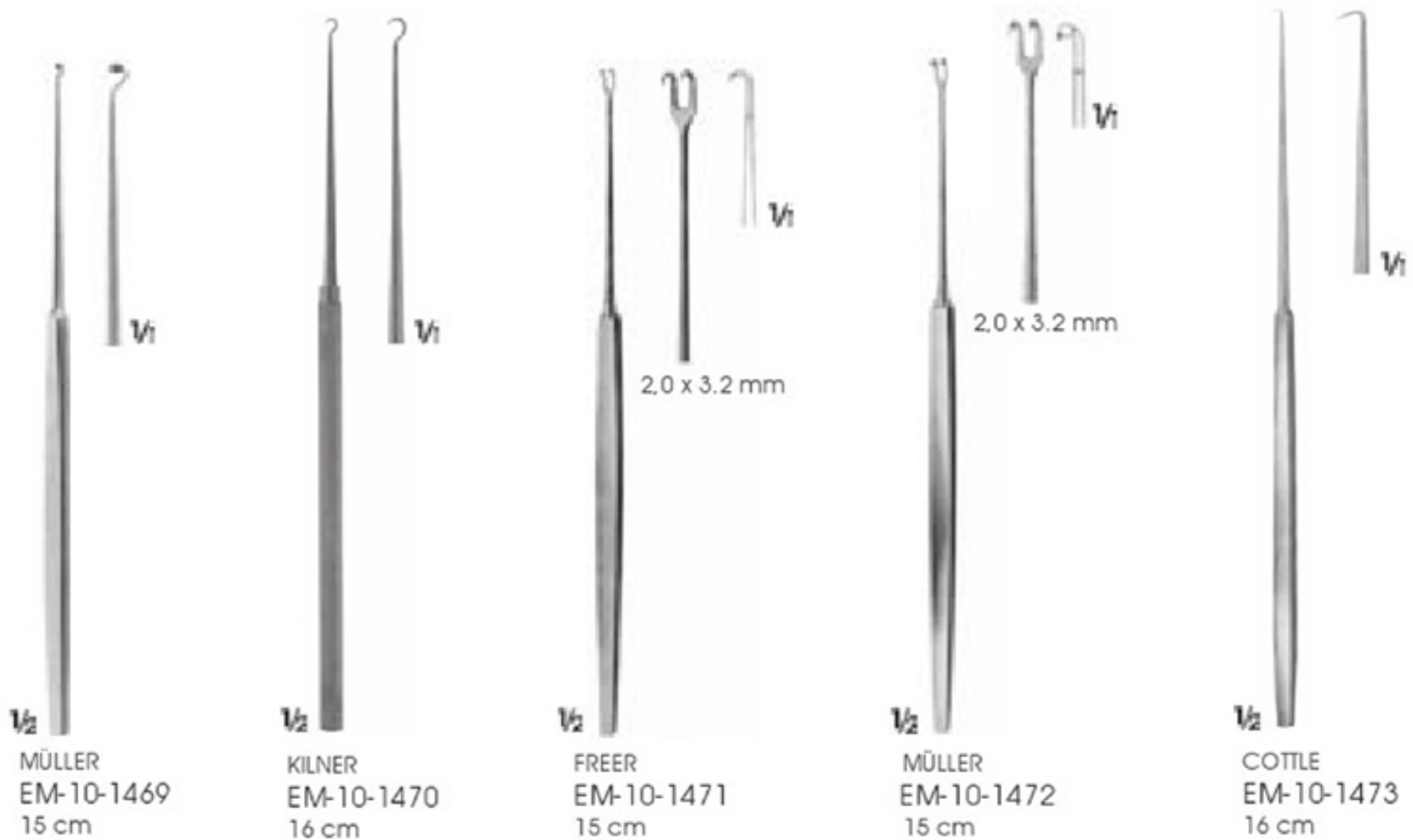
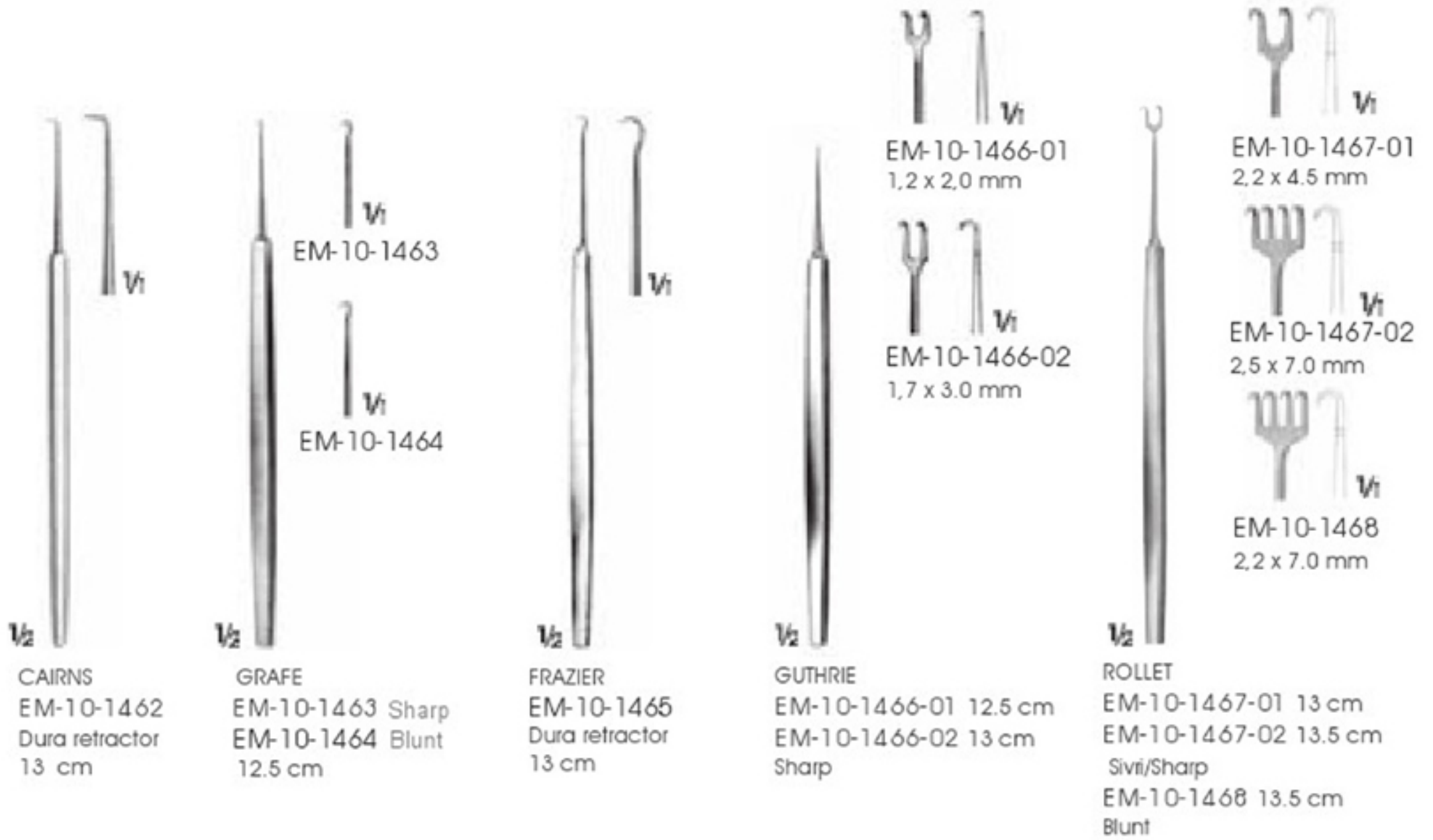


$\frac{1}{2}$  KRAYENBÜLH  
EM-10-1452-01 - 1452-04  
18.5 cm



$\frac{1}{2}$  CASPAR  
EM-10-1453-01 - 1453-04  
Exploration hooks, probe-ended  
24.5 cm









JAGER  
 EM-10-1474  
 13.5 cm



TÖNNIS  
 EM-10-1475  
 Dura retractor  
 15 cm



COTTLE  
 EM-10-1476  
 16 cm



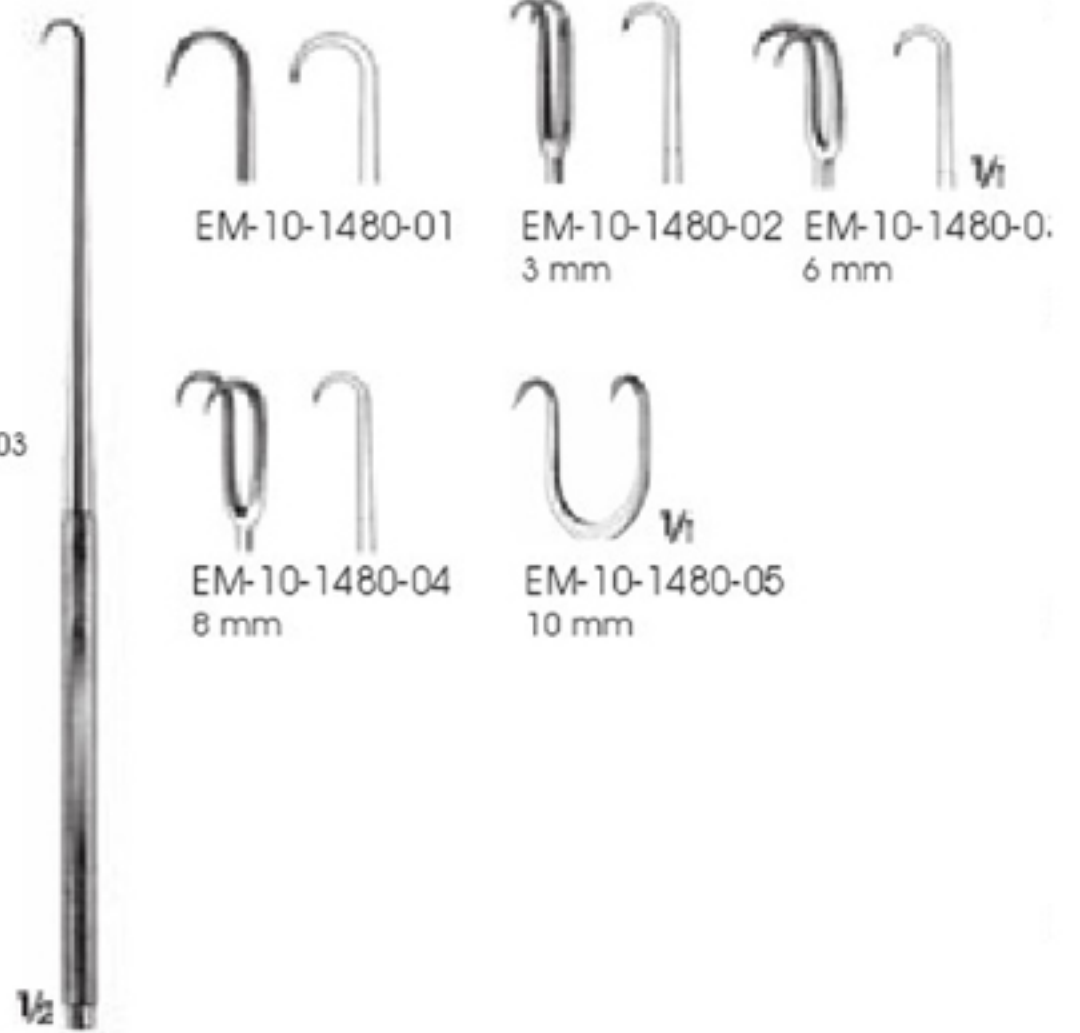
EM-10-1477  
 Dura retractor  
 18.5 cm



GILLIES  
 EM-10-1478-01 - 1478-02  
 18 cm



KLEINERT-KUTZ  
 EM-10-1479-01 - 1479-03  
 16 cm



JOSEPH  
 EM-10-1480-01 - 1480-05  
 16.5 cm



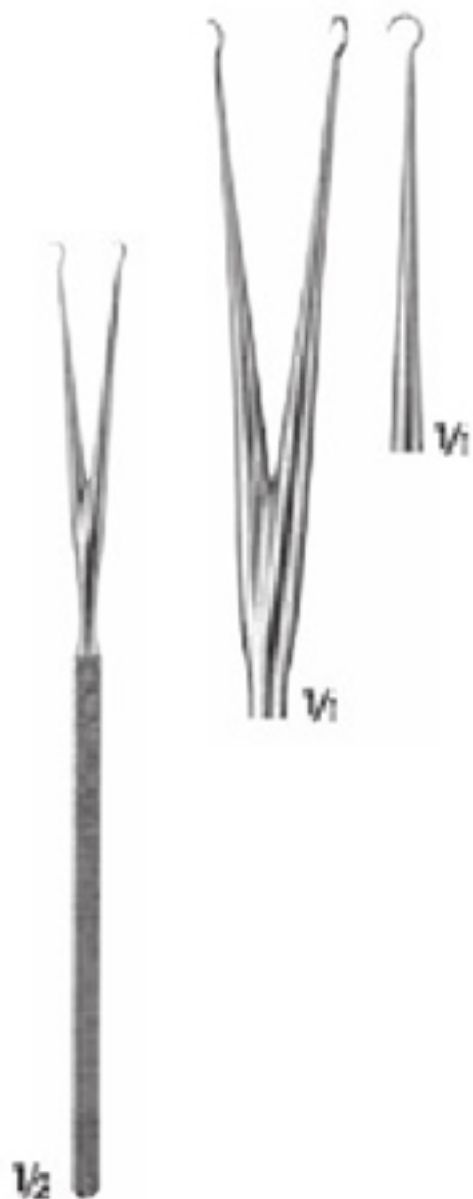
FISCH  
 EM-10-1481  
 Dura retractor  
 18.5 cm



MC INDOE  
 EM-10-1482-01 - 1482-02  
 15 cm



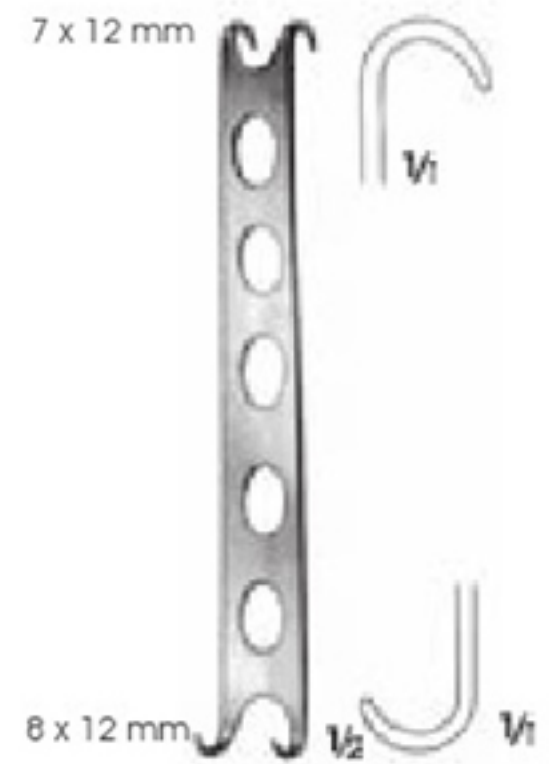
EM-10-1483  
 Tissue pick  
 Double picks to grasp and  
 lift skin, tissue etc  
 18.5 cm



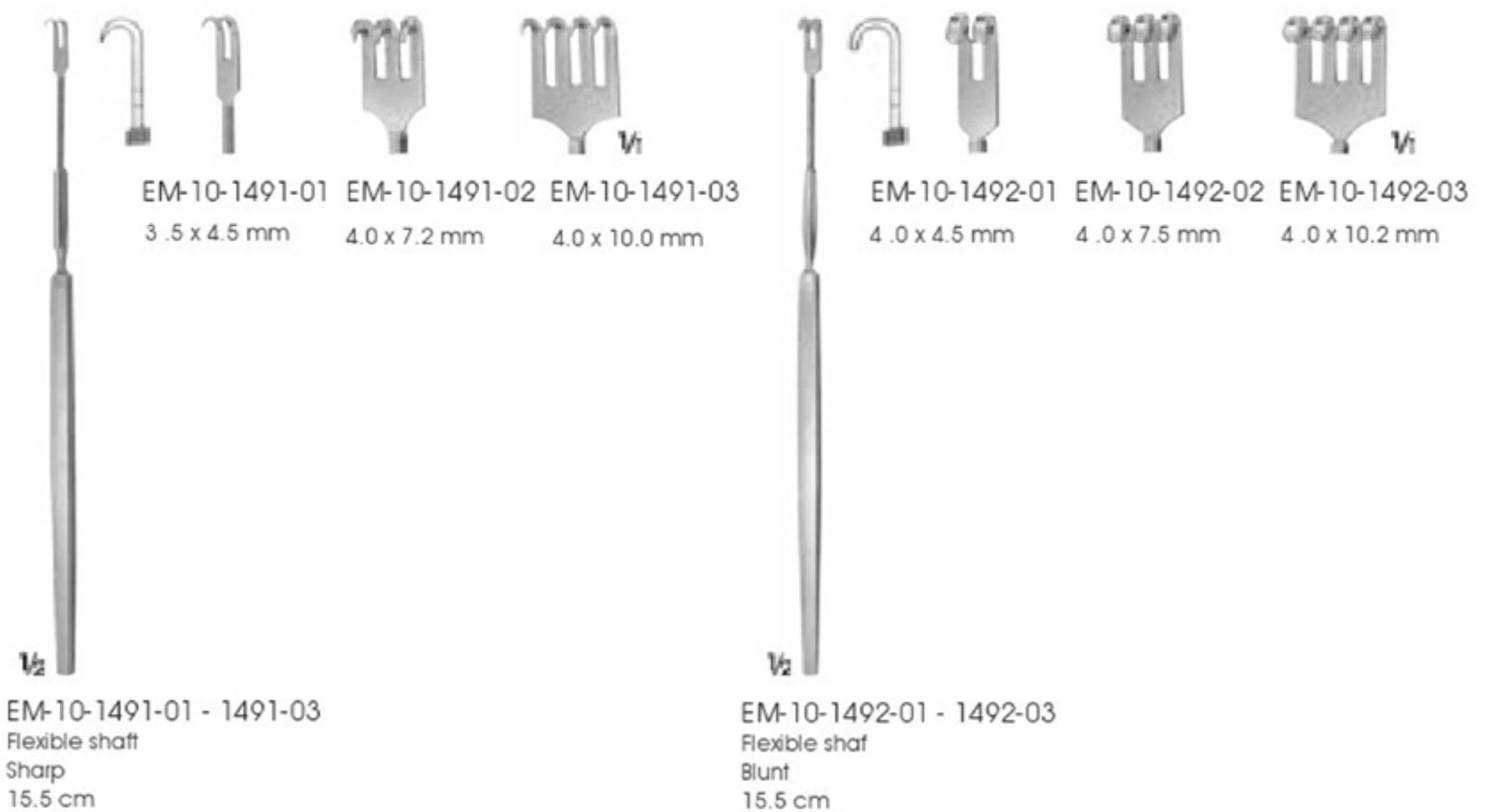
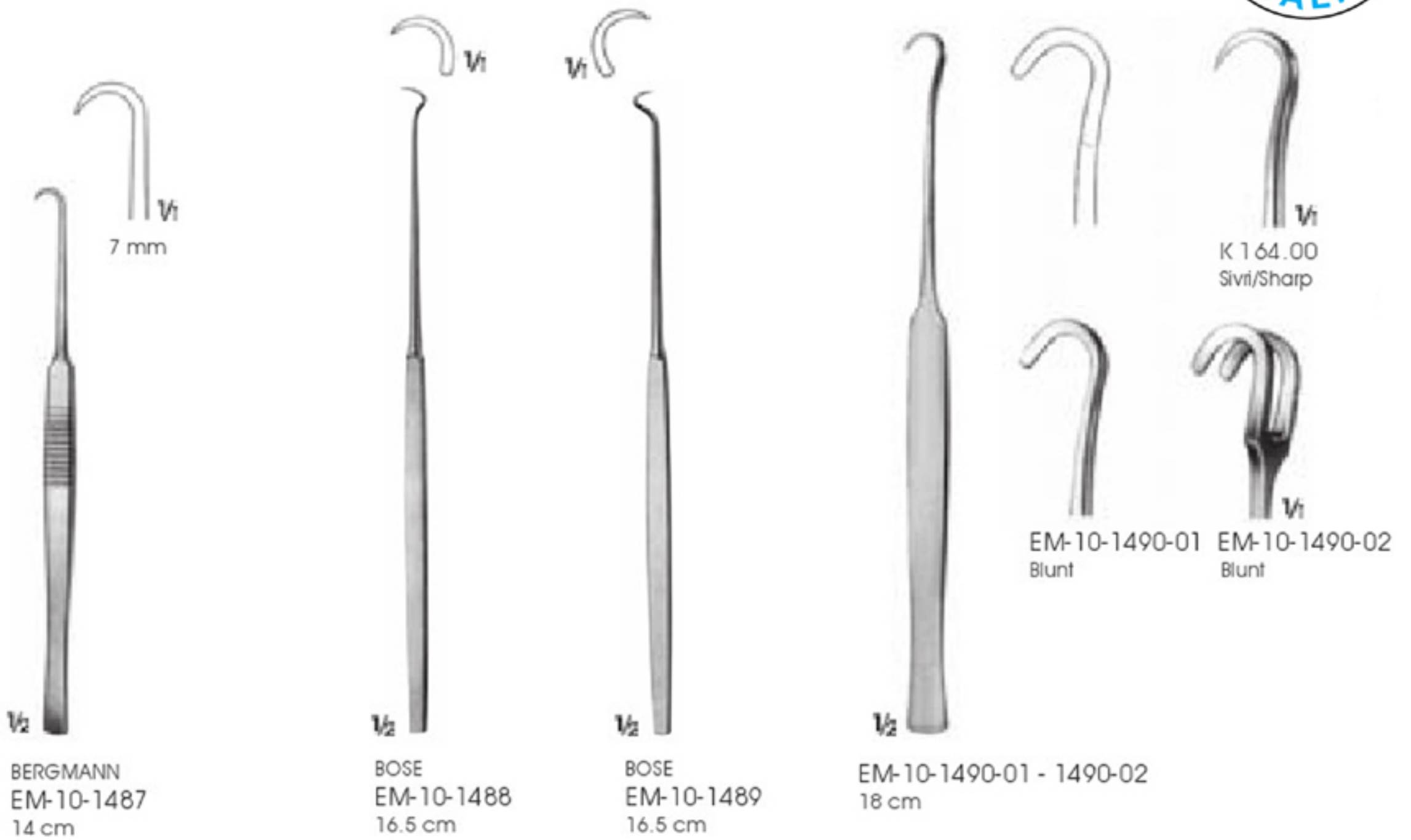
BARSKY  
 EM-10-1484  
 15.5 cm



KILNER  
 EM-10-1485  
 Sharp  
 8 cm



CONVERSE  
 EM-10-1486  
 Blunt  
 12 cm



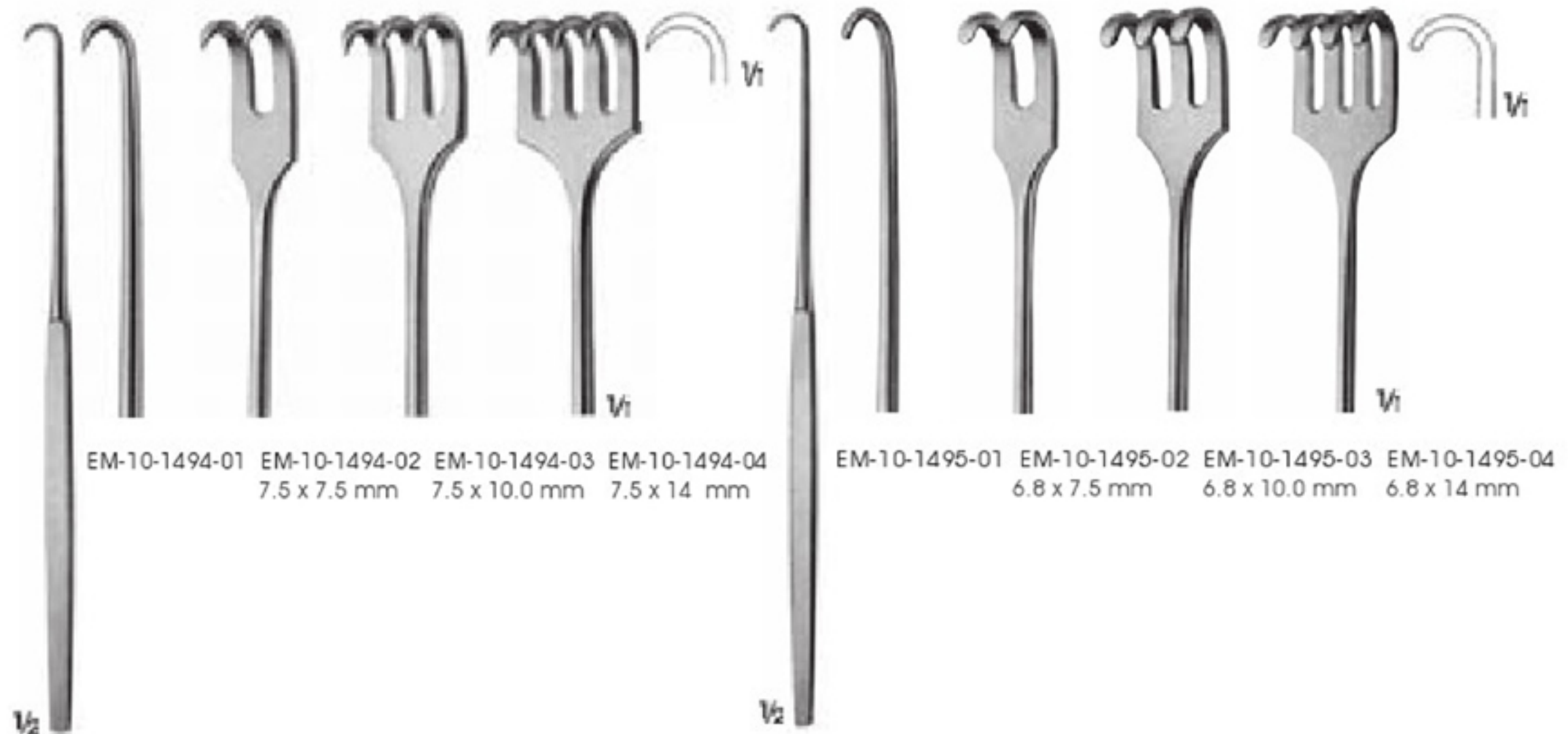


EM-10-1493-01 EM-10-1492-02 EM-10-1492-03 EM-10-1492-04  
5.0 x 4.2 mm 5.0 x 7.0 mm 5.0 x 9.5 mm

EM-10-1493-01 EM-10-1493-02 EM-10-1493-03 EM-10-1493-04  
4.5 x 4.2 mm 4.5 x 7.0 mm 4.5 x 9.5 mm

EM-10-1493-01 - 1492-04 Sharp  
Small curve  
16.5 cm

EM-10-1493-01 - 1493-04 Blunt  
Small curve  
16.5 cm



EM-10-1494-01 EM-10-1494-02 EM-10-1494-03 EM-10-1494-04  
7.5 x 7.5 mm 7.5 x 10.0 mm 7.5 x 14 mm

EM-10-1495-01 EM-10-1495-02 EM-10-1495-03 EM-10-1495-04  
6.8 x 7.5 mm 6.8 x 10.0 mm 6.8 x 14 mm

EM-10-1494-01 - 1494-04 Sharp  
Large curve  
16.5 cm

EM-10-1495-01 - 1495-04 Blunt  
Large curve  
16.5 cm





MANNERFELT  
EM-10-1496  
Sharp  
13.5 cm



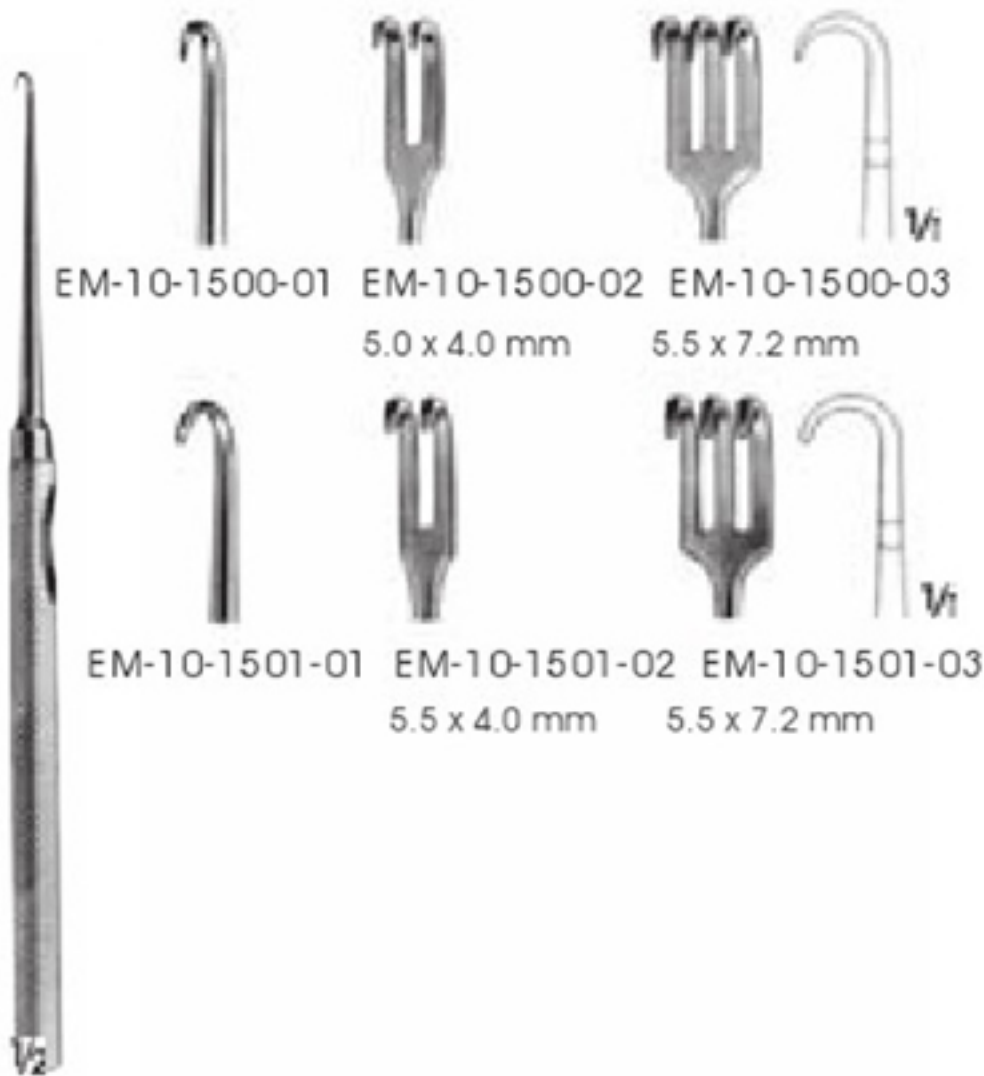
MANNERFELT  
EM-10-1497  
Sharp  
15.5 cm



MANNERFELT  
EM-10-1498  
Sharp  
15.5 cm



MANNERFELT  
EM-10-1499  
Flexible shaft, small curve,  
sharp  
15.5 cm



MANNERFELT  
EM-10-1500-01 - 1500-03 Sharp  
EM-10-1501-01 - 1501-03 Blunt  
Small curve  
15.5 cm



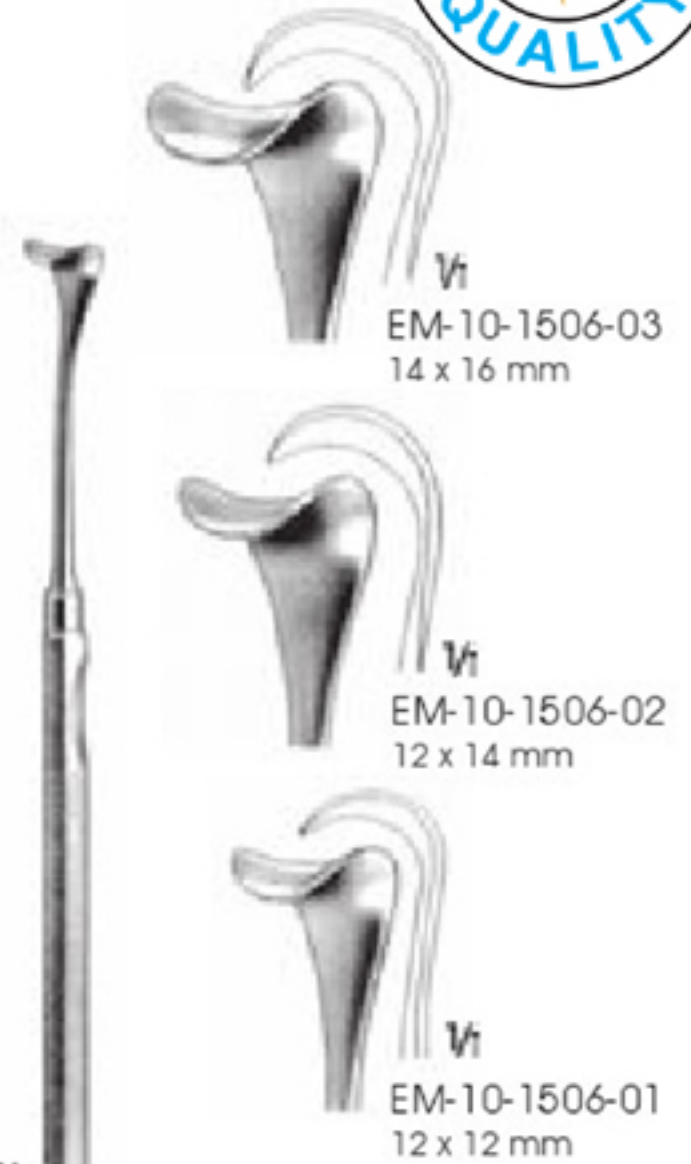
MANNERFELT  
EM-10-1502-01 - 1502-03 Sharp  
EM-10-1503-01 - 1523-03 Blunt  
Large curve  
15.5 cm



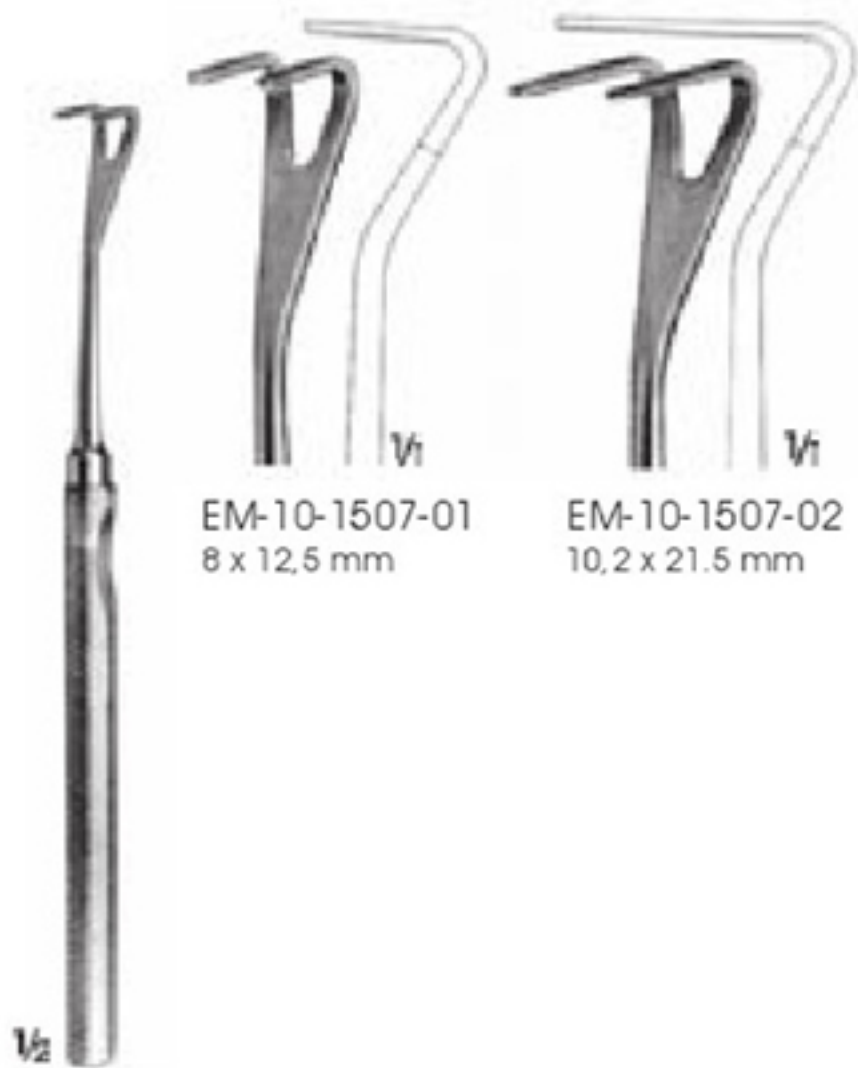
$\frac{1}{2}$   
MANNERFELT  
EM-10-1504  
Hollow grooved  
15.5 cm



$\frac{1}{2}$   
LANGENBECK-MANNERFELT  
EM-10-1505-01 - 1505-04  
15.5 cm



$\frac{1}{2}$   
MANNERFELT  
EM-10-1506-01 1506-03  
Saddle hooks  
15.5 cm



$\frac{1}{2}$   
MANNERFELT  
EM-10-1507-01 - 1507-02  
Forked hooks, retrograded  
curved  
15.5 cm



$\frac{1}{2}$   
MANNERFELT  
EM-10-1508  
Saddle hook, fenestrated  
15.5 cm



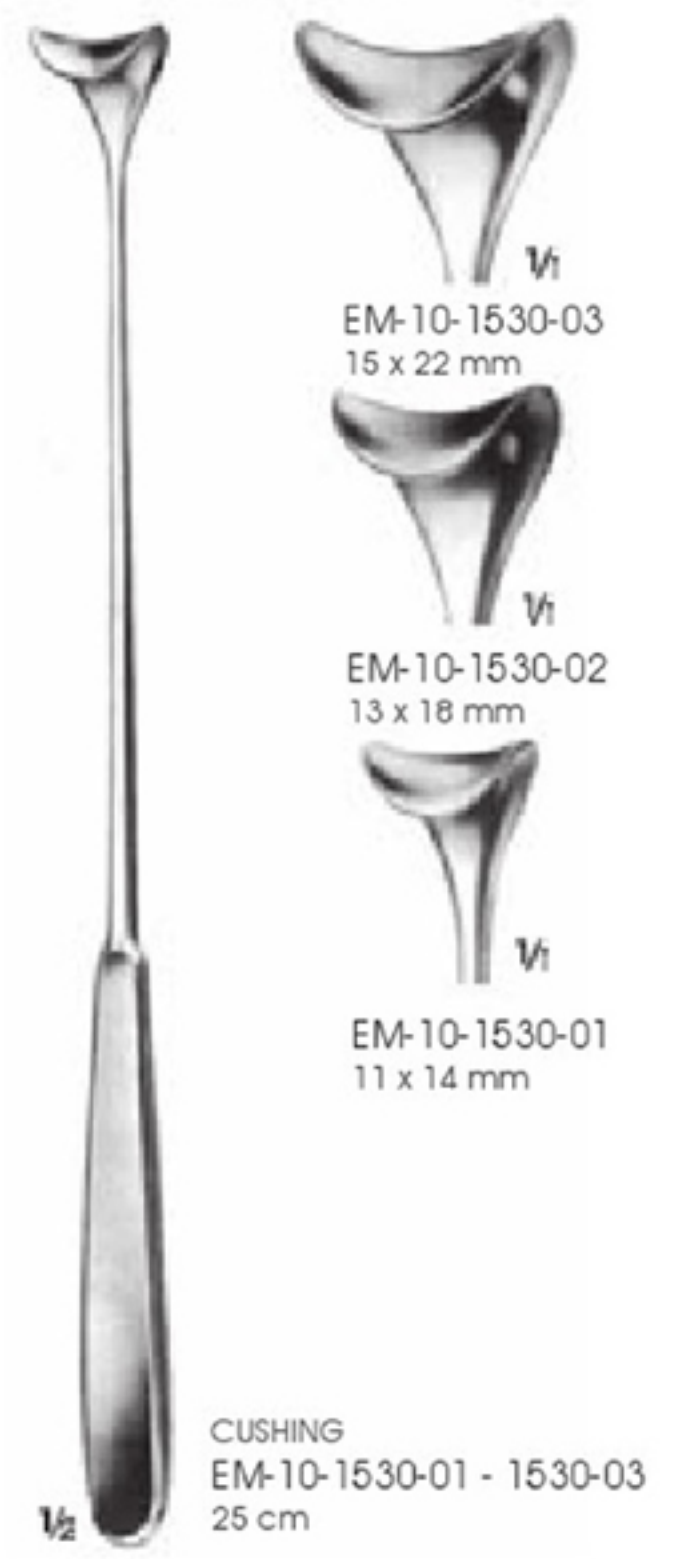
$\frac{1}{2}$   
MANNERFELT  
EM-10-1509  
Tendon double hook  
16 cm













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MEYERDING  
EM-10-1531-01 - 1531-06  
18 cm



EM-10-1531-03  
18 x 7 mm



EM-10-1531-02  
16 x 5 mm



M-10-1531-01  
7 x 4 mm



EM-10-1531-06  
5 x 10 mm



EM-10-1531-05  
11 x 4 mm



EM-10-1531-04  
6 x 4 mm

4 x 7 mm



EM-10-1532-01



EM-10-1532-02

EM-10-1532-03

1/2

WILLIGER  
EM-10-1532-01 - 1532-03  
Sharp  
12 cm



EM-10-1533  
8 x 7 mm



EM-10-1534  
8 x 7 mm



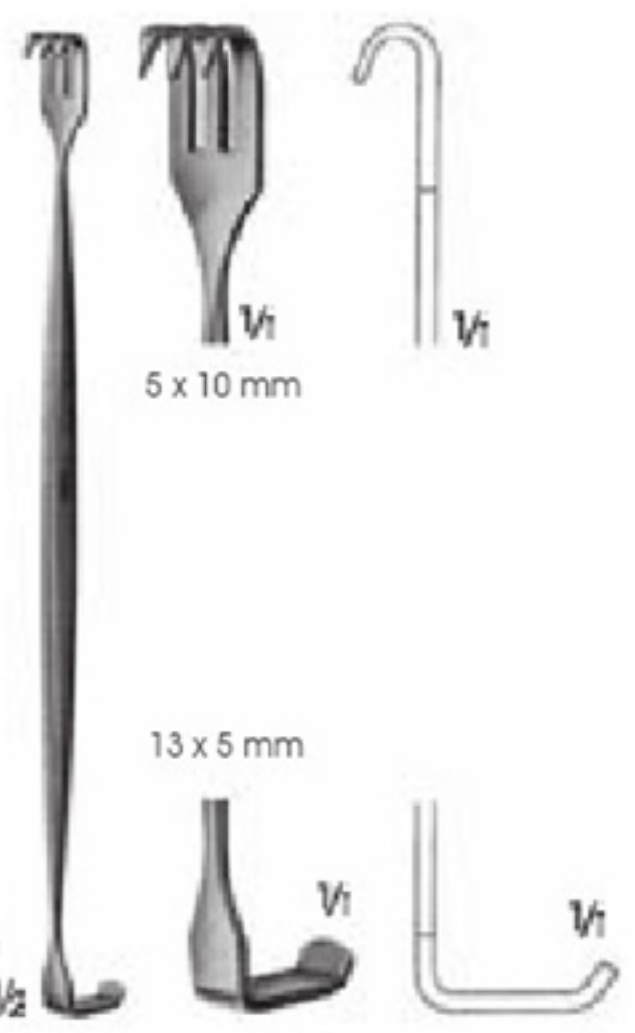
8 x 7 mm

18 x 5,5 mm

22 x 7 mm

BABY-SENN-MILLER  
EM-10-1533 - 1534  
15.5 cm

SENN-MILLER  
EM-10-1535  
16.5 cm



5 x 10 mm

13 x 5 mm

KILNER  
EM-10-1536  
15.5 cm



$\frac{1}{2}$   
PAUL  
EM-10-1537  
Tendon hook  
12 cm



EM-10-1538-01  
12 x 6 mm



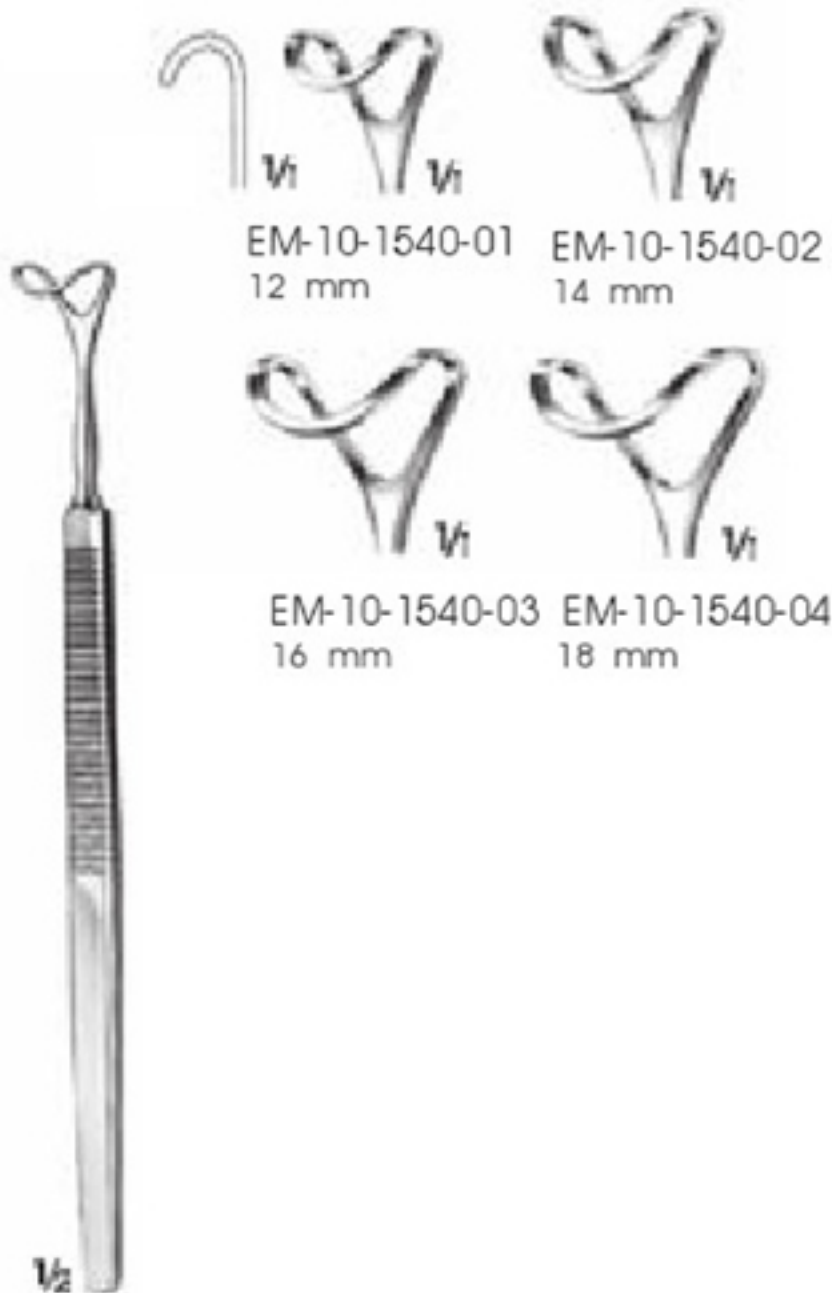
EM-10-1538-02  
12 x 11 mm

$\frac{1}{2}$   
EM-10-1538-01 - 1538-02  
Tendon hooks  
17.5 cm



15 x 11 mm

$\frac{1}{2}$   
KLAPP  
EM-10-1539  
Tendon hook  
17.5 cm

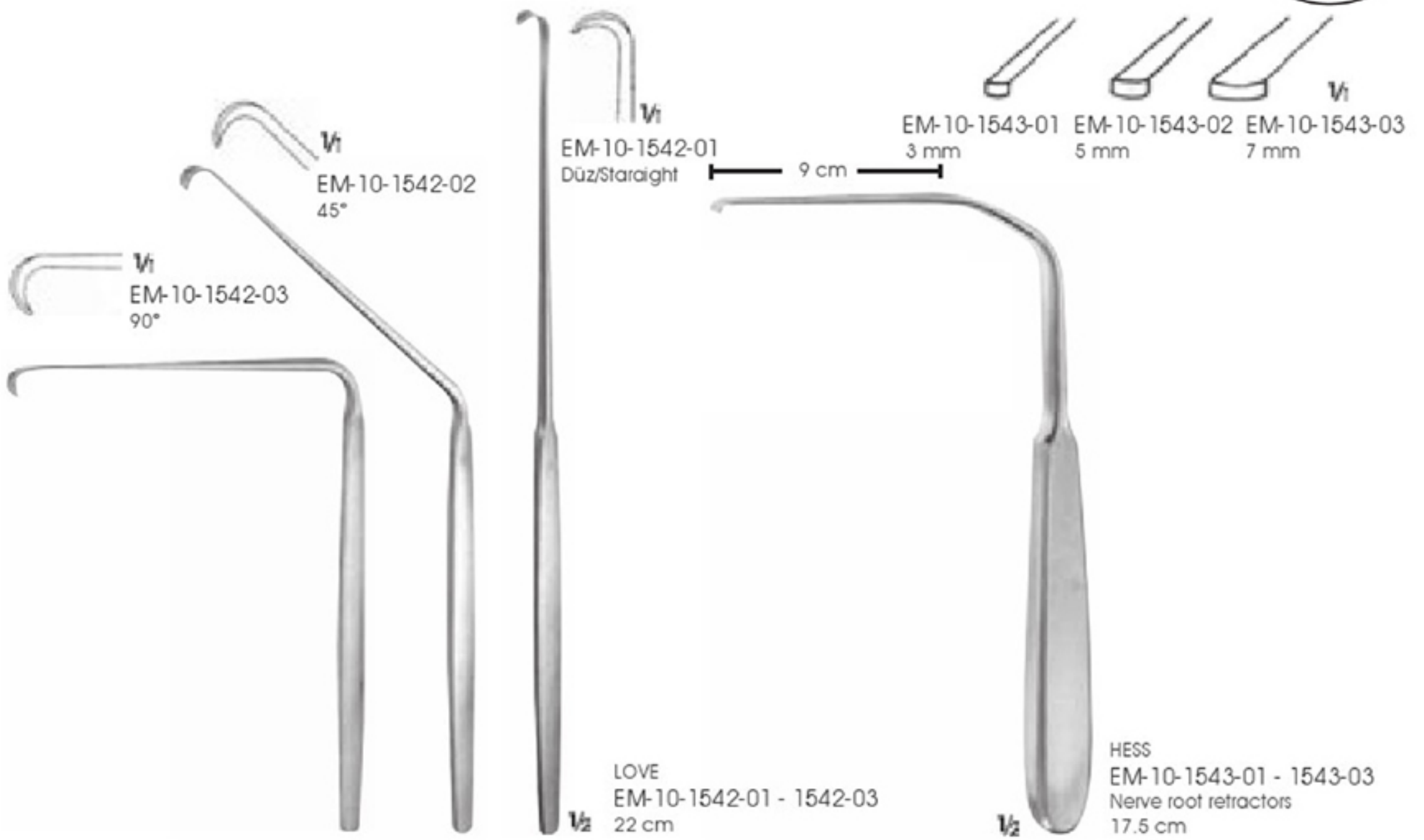


$\frac{1}{2}$   
EM-10-1540-01 - 1540-04  
16 cm



$\frac{1}{2}$   
KOCHER  
EM-10-1541-01 - 1541-02  
20.5 cm







5 x 3 mm

11 x 4 mm



$\frac{1}{2}$   
19 x 6 mm  
CRILE  
EM-10-1548  
11 cm

10 x 8 mm



$\frac{1}{2}$   
12 x 11 mm  
LUER  
EM-10-1549  
11 cm

10 x 12 mm



$\frac{1}{2}$   
11 x 15 mm  
ROSE  
EM-10-1550  
13 cm



$\frac{1}{2}$   
14 x 6.3 mm  
RAGNELL  
EM-10-1551  
15 cm

25 x 10 mm  
22 x 10 mm



$\frac{1}{2}$   
28 x 12 mm  
32 x 12 mm  
FARABEUF  
EM-10-1552  
12.5 cm

23 x 16 mm  
20 x 16 mm



$\frac{1}{2}$   
24 x 16 mm  
28 x 16 mm  
FARABEUF  
EM-10-1553  
15 cm

21 x 14 mm  
17 x 14 mm



$\frac{1}{2}$   
28 x 16 mm  
32 x 16 mm  
COLLIN  
EM-10-1554  
15 cm

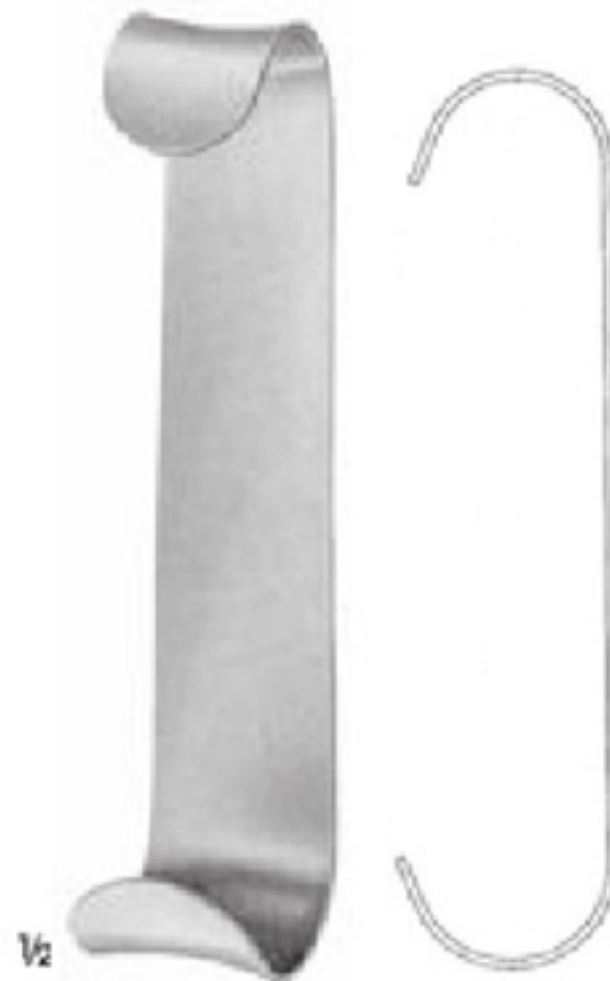


30 x 19 mm



33 x 25 mm  
KILNER  
EM-10-1561  
15 cm

35 x 29 mm



40 x 35 mm  
KILNER  
EM-10-1562  
15 cm



GOELET  
EM-10-1563  
19 cm

19 x 22 mm



ROUX  
EM-10-1564  
Complete  
EM-10-1565-01 - 1565-03  
16.5 cm

25 x 26 mm

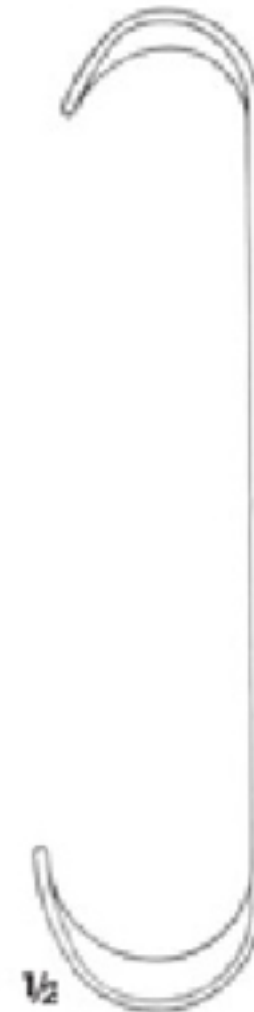


23 x 30 mm  
EM-10-1565-01

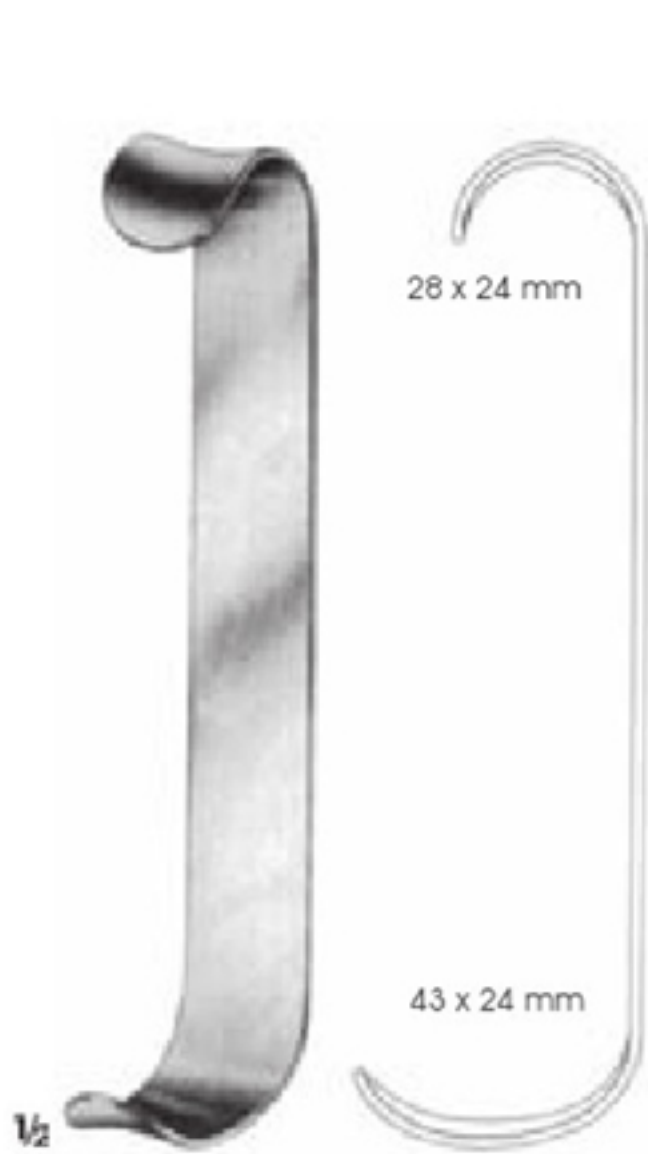


28 x 38 mm  
EM-10-1565-02

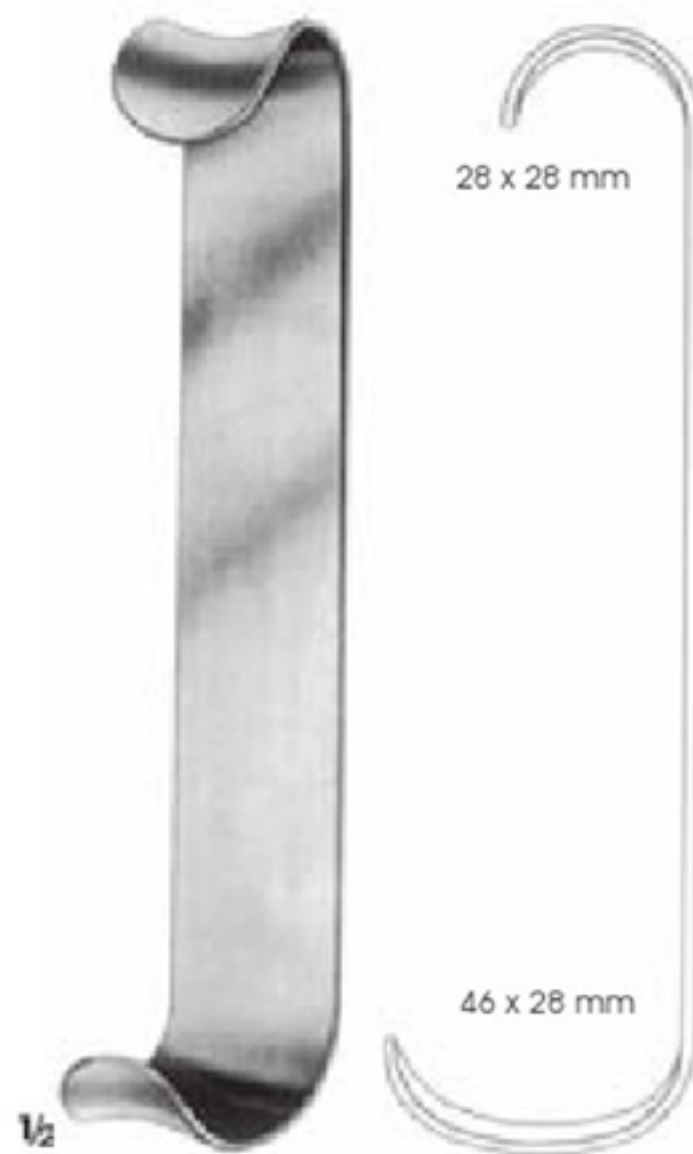
28 x 29 mm



33 x 45 mm  
EM-10-1565-03



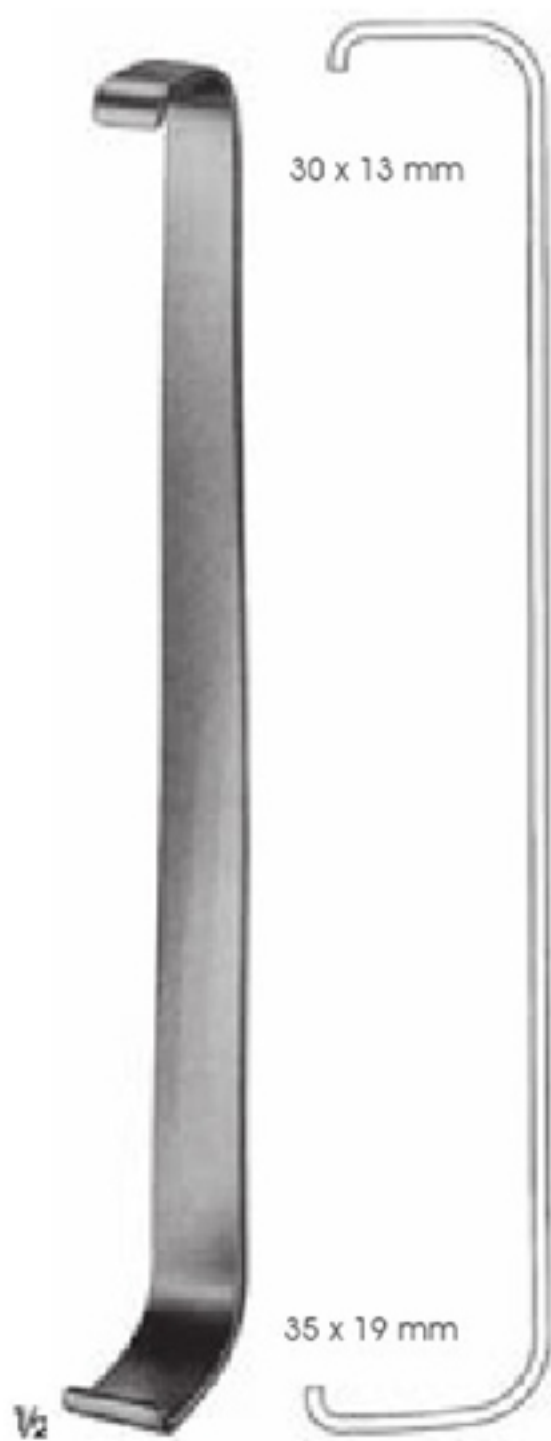
ROUX  
EM-10-1566  
17 cm



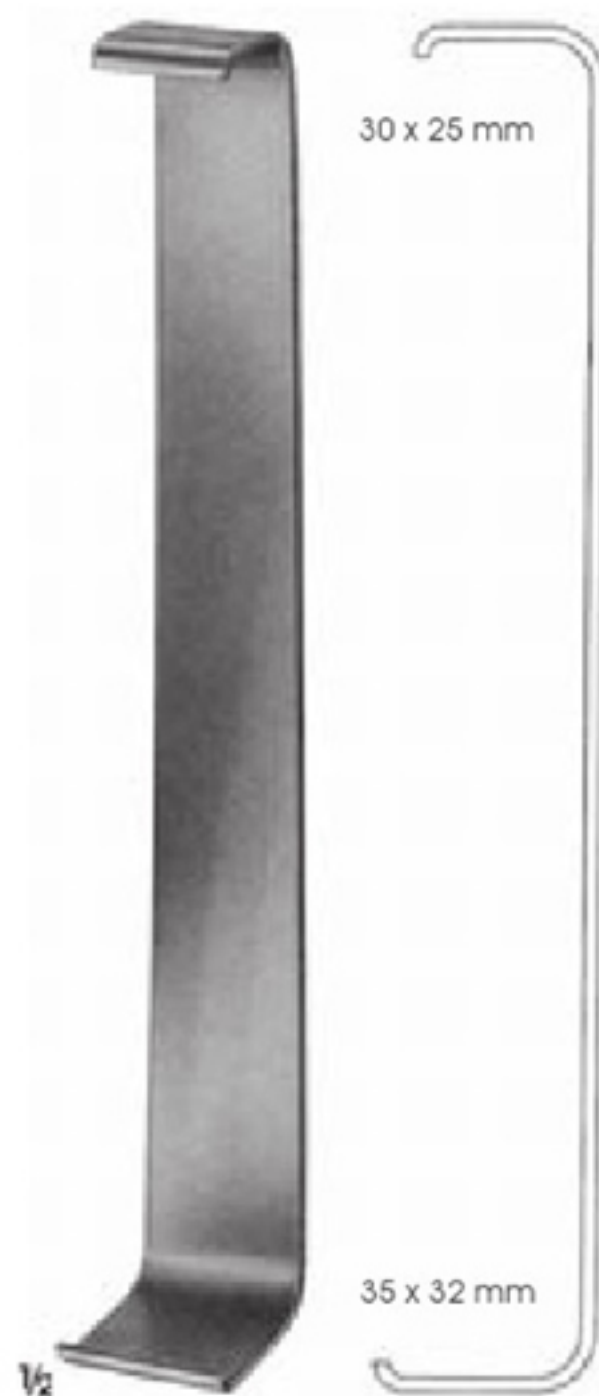
ROUX  
EM-10-1567  
19 cm



CANNY-RYALL  
EM-10-1568-01 16 mm 19 cm  
EM-10-1568-02 20 mm 19 cm  
EM-10-1568-03 25 mm 20 cm



LANE  
EM-10-1569  
23 cm



LANE  
EM-10-1570  
23 cm



HAJEK  
EM-10-1571  
16.5 cm





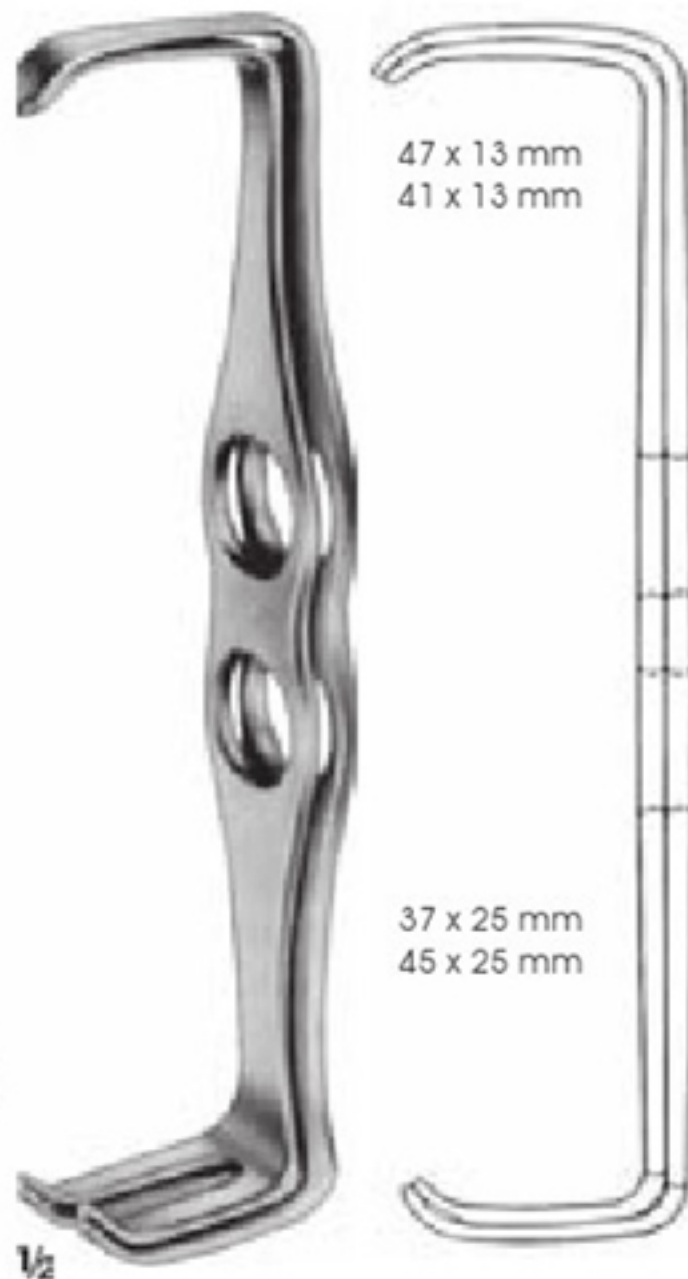
STERNBERG  
EM-10-1572-01 12 cm  
EM-10-1572-02 13 cm  
EM-10-1572-03 13.5 cm



COLLIN-HARTMANN  
EM-10-1573  
15 cm



CZERNY  
EM-10-1574  
17.5 cm

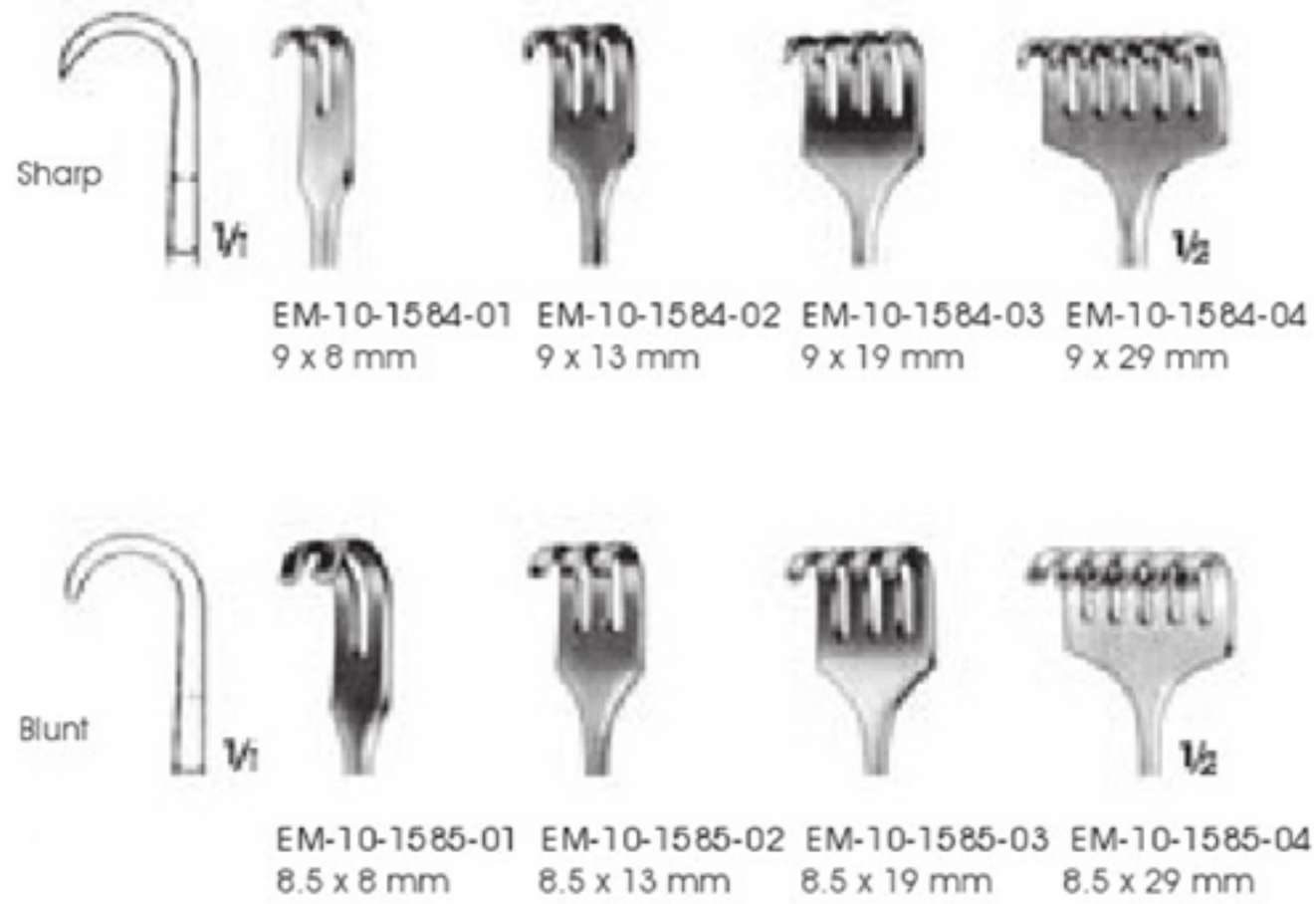


MATHIEU  
EM-10-1575  
20 cm



US-ARMY  
EM-10-1576  
22 cm





VOLKMANN  
EM-10-1584-01 - 1584-04  
EM-10-1585-01 - 1585-04  
22.5 cm



VOLKMANN  
EM-10-1586-01 - 1586-05  
EM-10-1587-01 - 1587-05  
EM-10-1588-01 - 1588-05  
22 cm





1/2

KOCHER  
 EM-10-1589-01 - 1589-04  
 EM-10-1590-01 - 1590-04  
 22 cm



Semi-sharp 1/1



Blunt 1/1



EM-10-1589-01  
 16 x 9 mm



EM-10-1589-02  
 16 x 14 mm



EM-10-1589-03  
 16 x 20 mm



EM-10-1589-04  
 16 x 30 mm



EM-10-1590-01  
 15.5 x 9 mm



EM-10-1590-02  
 15.5 x 14 mm



EM-10-1590-03  
 15.5 x 20 mm



EM-10-1590-04  
 15.5 x 30 mm



1/2

KÖRTE  
 EM-10-1591 - 1592  
 Handle vertical to the blade  
 24 cm



26 x 40 mm

EM-10-1591  
 8 prongs, semi-sharp



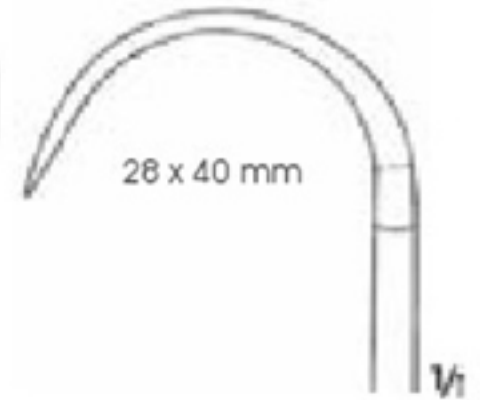
26 x 40 mm

EM-10-1592  
 8 prongs, blunt



1/2

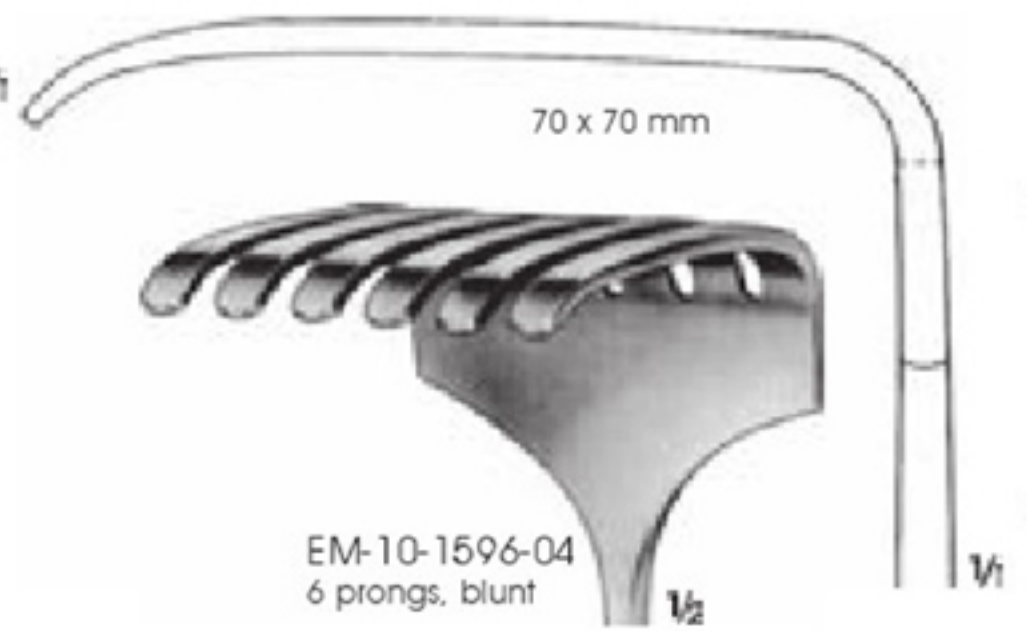
KÖRTE- WAGNER  
 EM-10-1593  
 8 prongs, semi sharp  
 28 cm



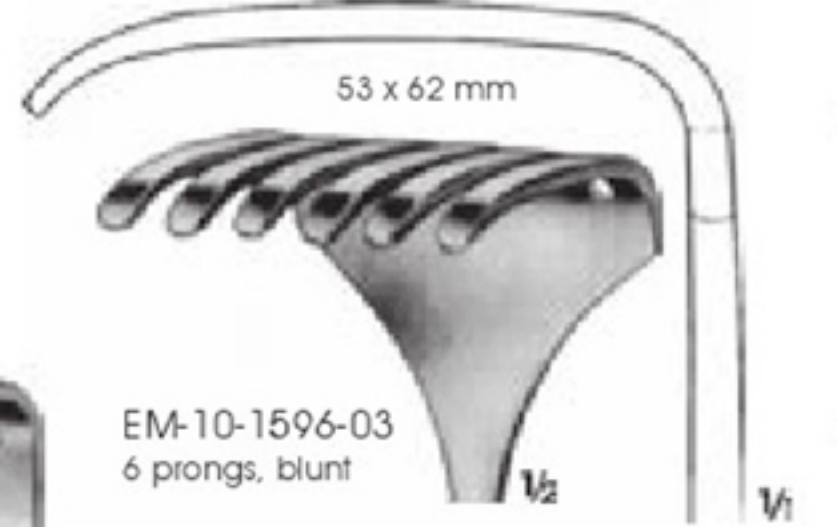
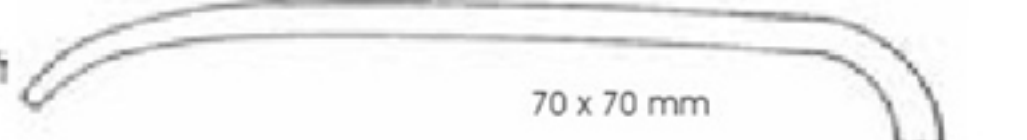
28 x 40 mm



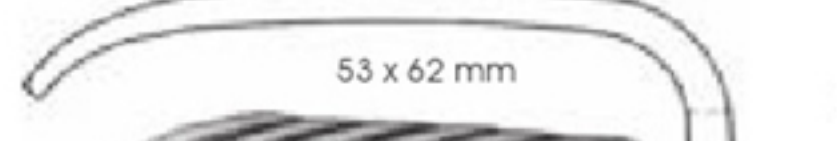
KÖRTE  
EM-10-1594  
4 prongs, blunt  
Handle vertical to the blade  
23 cm



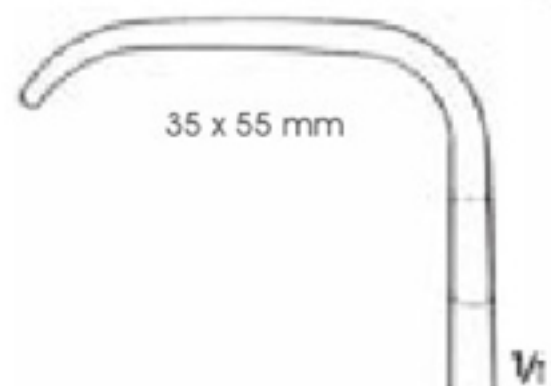
EM-10-1596-04  
6 prongs, blunt



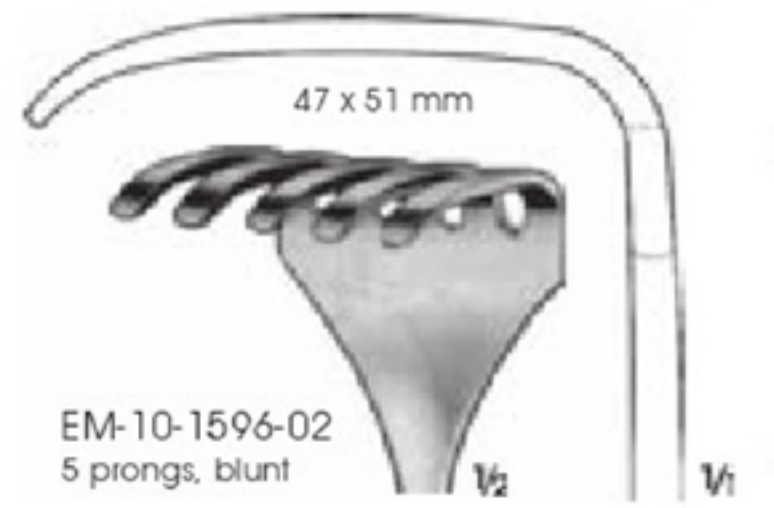
EM-10-1596-03  
6 prongs, blunt



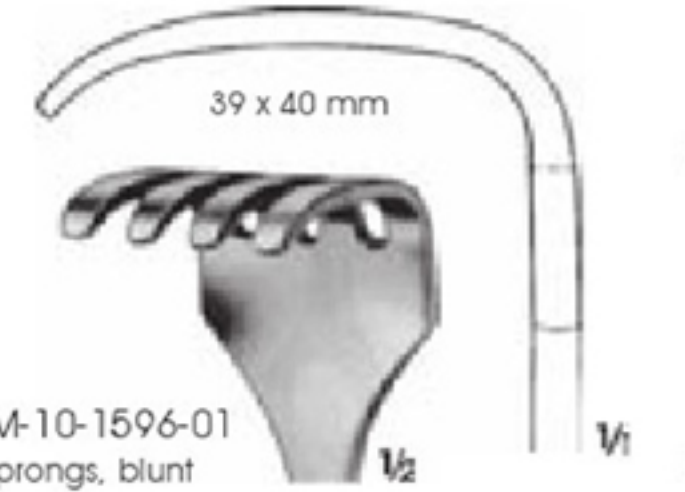
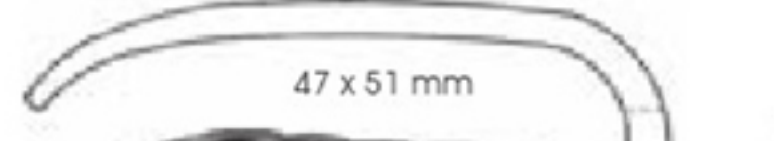
OLLIER  
EM-10-1595  
4 prongs, blunt  
23 cm



EM-10-1596-01  
4 prongs, blunt



EM-10-1596-02  
5 prongs, blunt



ISRAEL  
EM-10-1596-01 - 1596-04  
25.5 cm





EM-10-1597-01  
Sharp



EM-10-1597-02  
Sharp

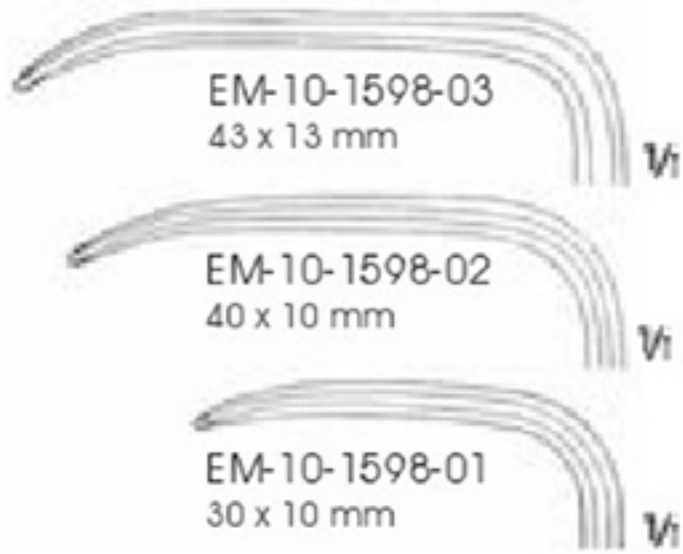


EM-10-1597-03  
Blunt



EM-10-1597-04  
Blunt

MURPHY  
EM-10-1597-01 - 1597-04  
19.5 cm

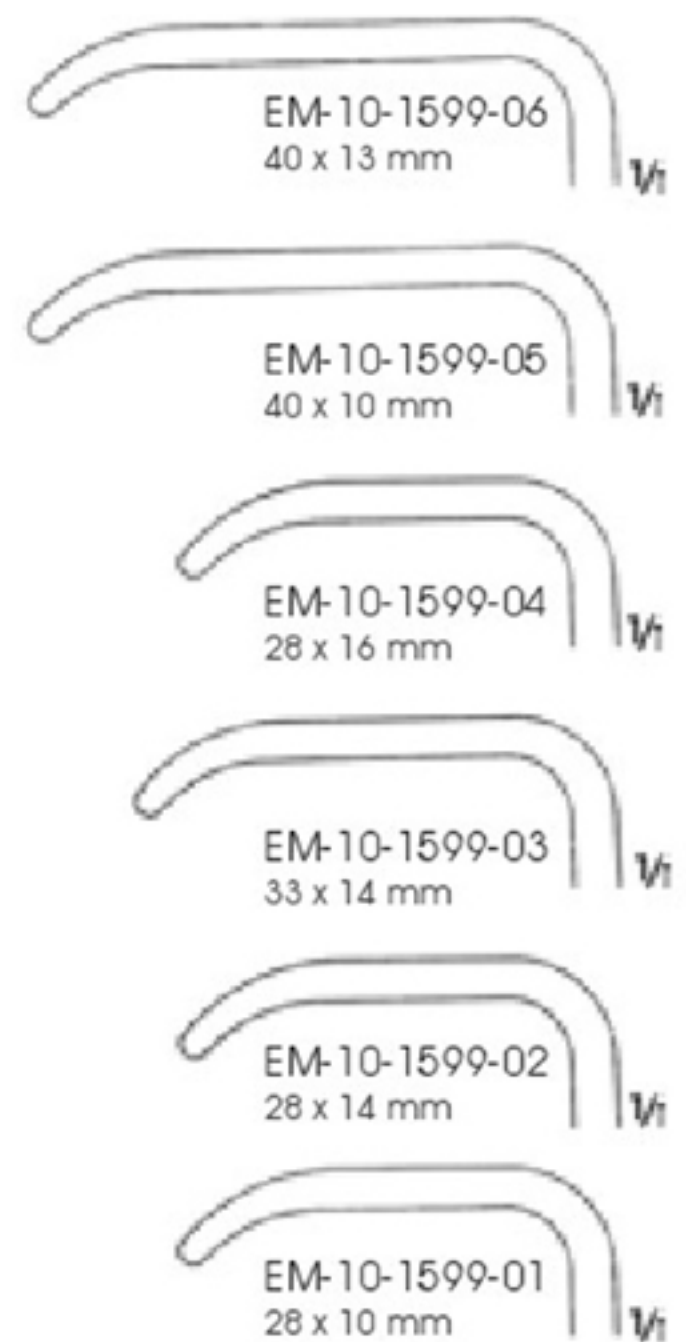


EM-10-1598-03  
43 x 13 mm

EM-10-1598-02  
40 x 10 mm

EM-10-1598-01  
30 x 10 mm

LANGENBECK  
EM-10-1598-01 - 1598-03  
23 cm



EM-10-1599-06  
40 x 13 mm

EM-10-1599-05  
40 x 10 mm

EM-10-1599-04  
28 x 16 mm

EM-10-1599-03  
33 x 14 mm

EM-10-1599-02  
28 x 14 mm

EM-10-1599-01  
28 x 10 mm

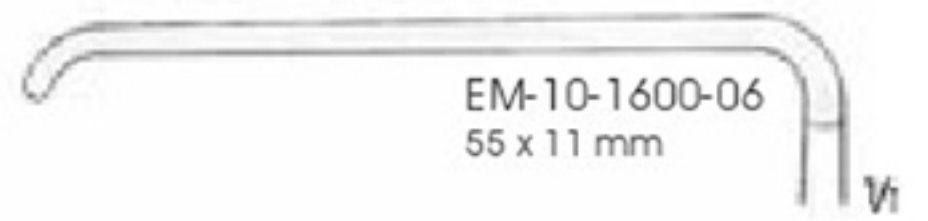
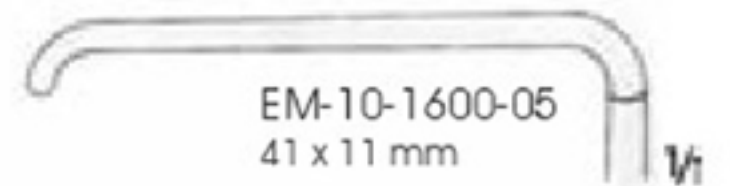
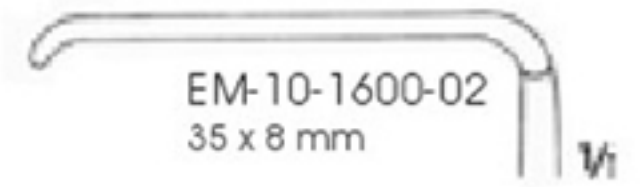
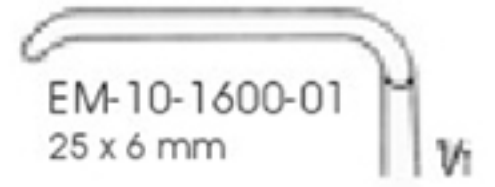
LANGENBECK  
EM-10-1599-01 - 1599-06  
21 cm





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KOCHER-LANGENBECK  
EM-10-1600-01 - 1600-09  
21.5 cm

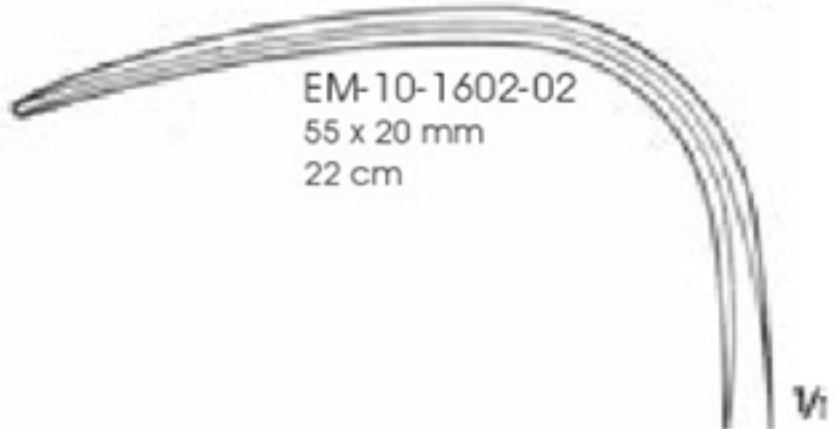
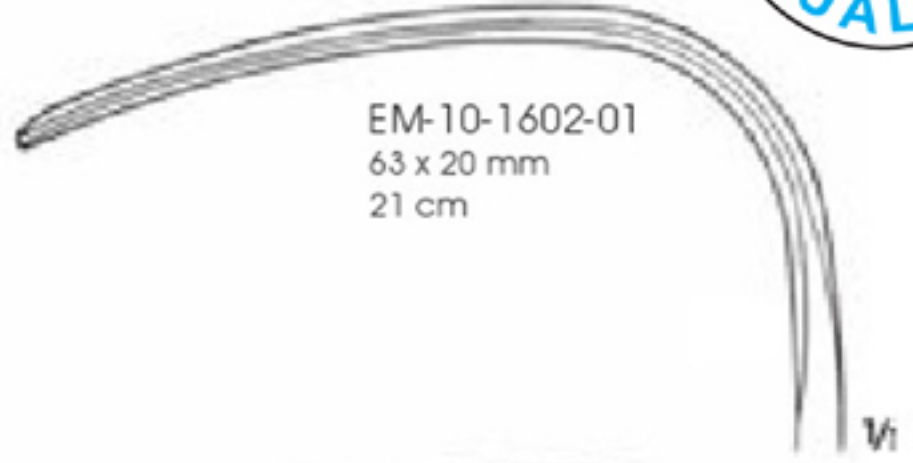




EM-10-1601  
21 cm

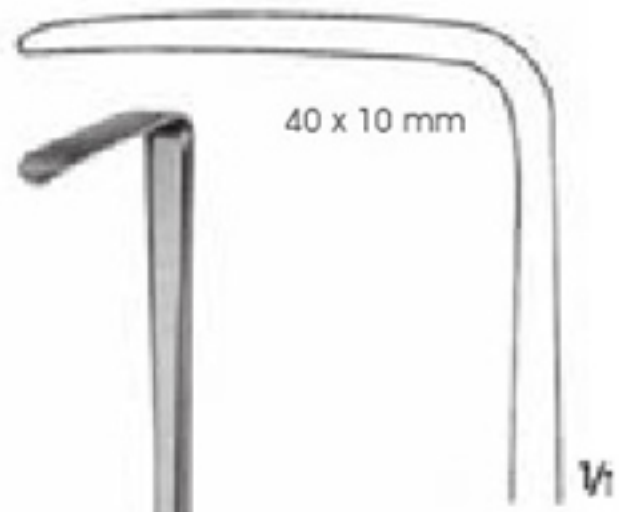


EM-10-1602-01 - 1602-02



EM-10-1602-01  
63 x 20 mm  
21 cm

EM-10-1602-02  
55 x 20 mm  
22 cm



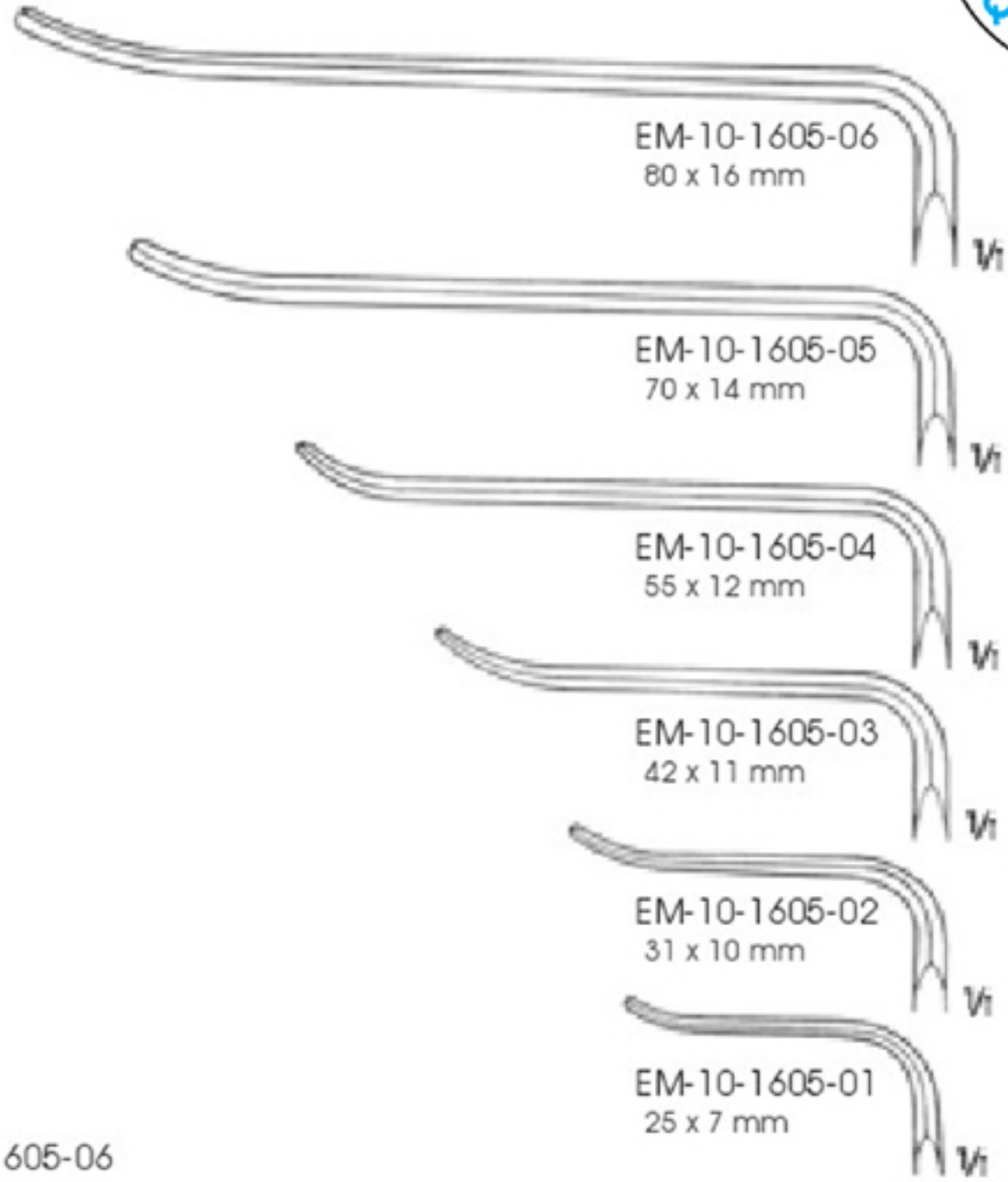
EM-10-1603  
21.5 cm



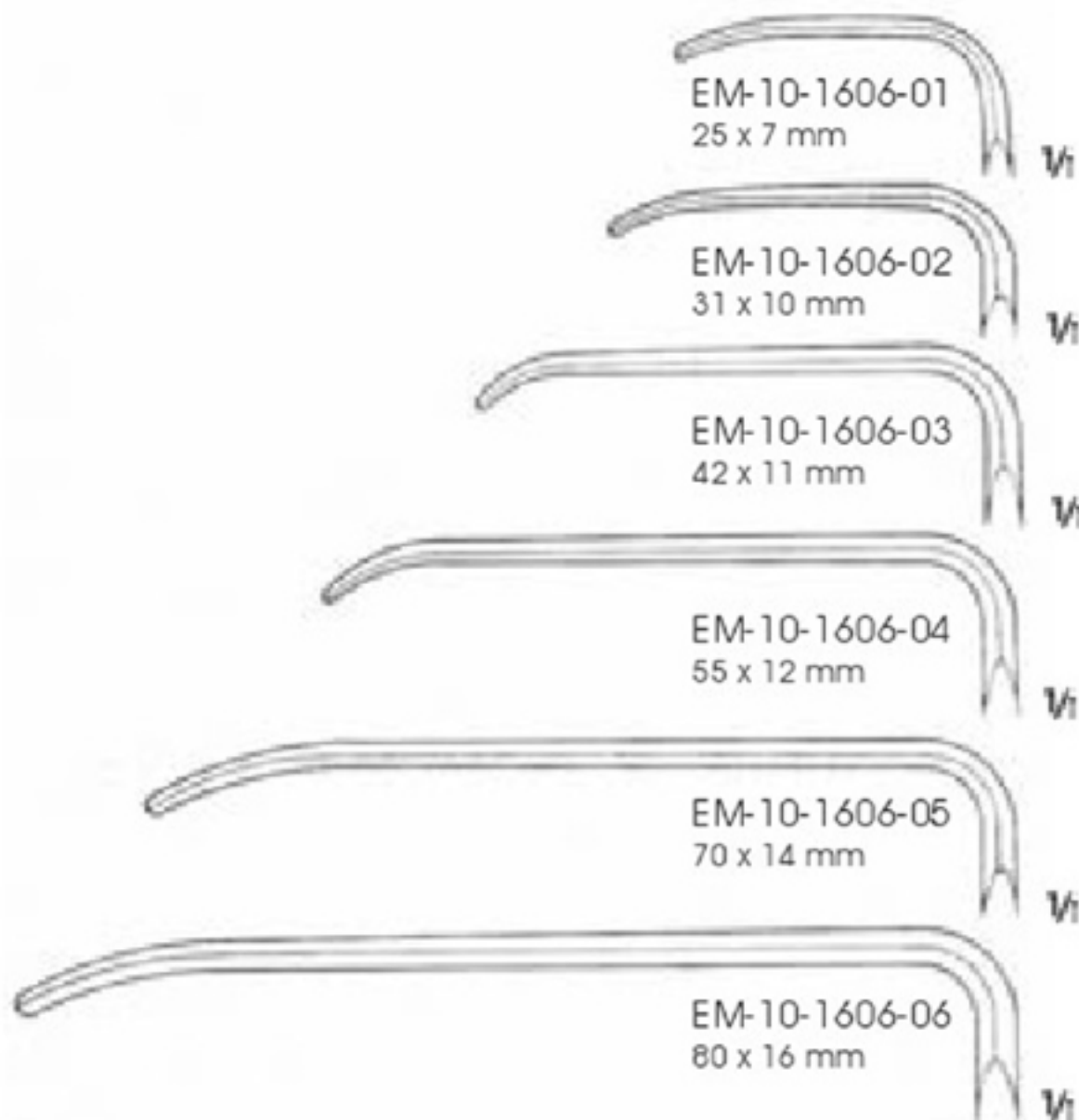
LANGENBECK  
EM-10-1604  
Handle vertical to the blade  
21.5 cm



OBWEGESER  
EM-10-1605-01 - 1605-06  
21.5 cm



OBWEGESER  
EM-10-1606-01 - 1606-06  
21.5 cm

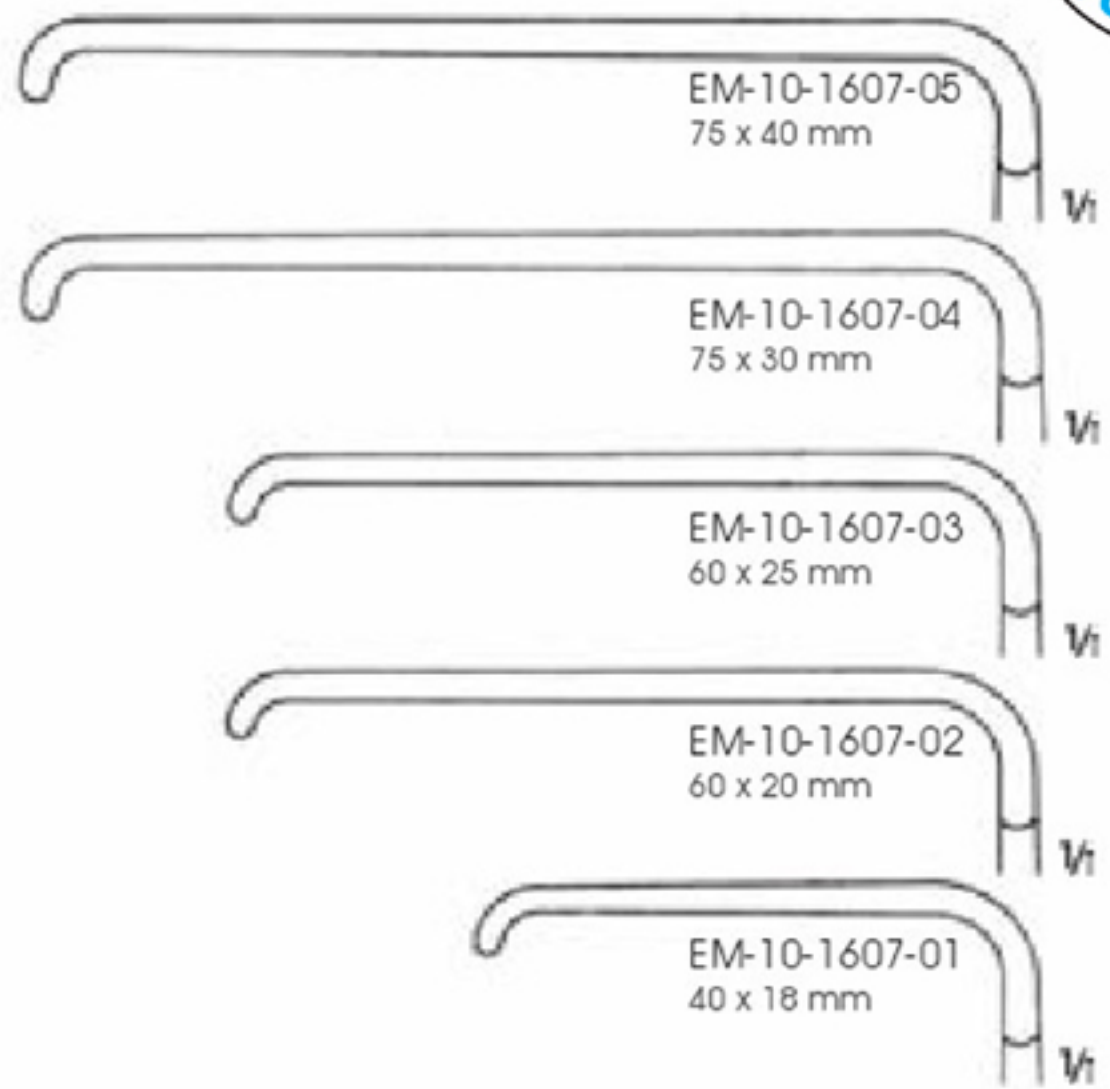






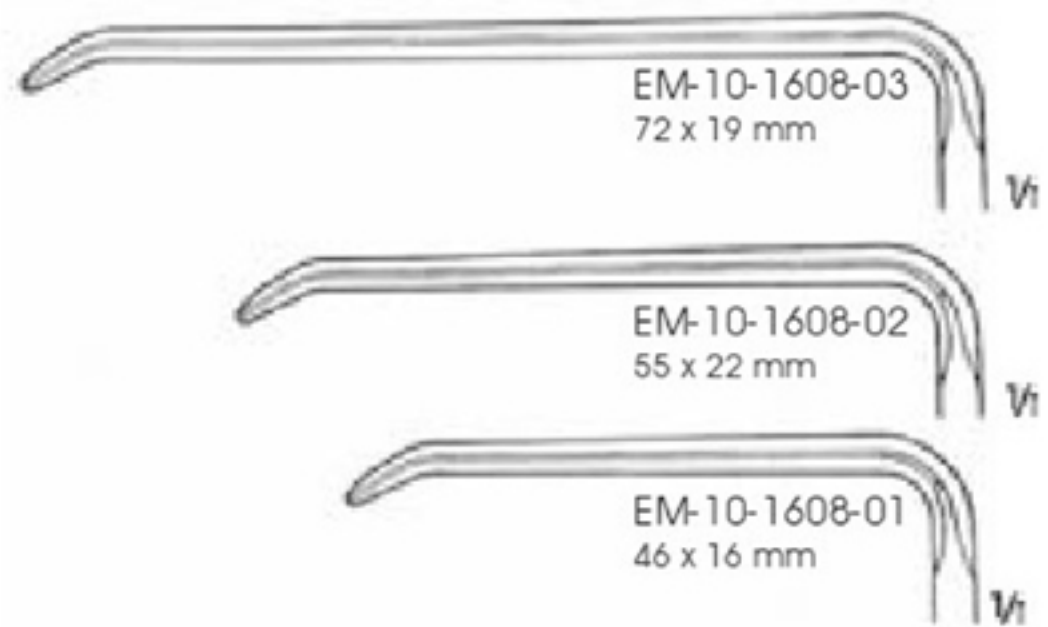
1/2

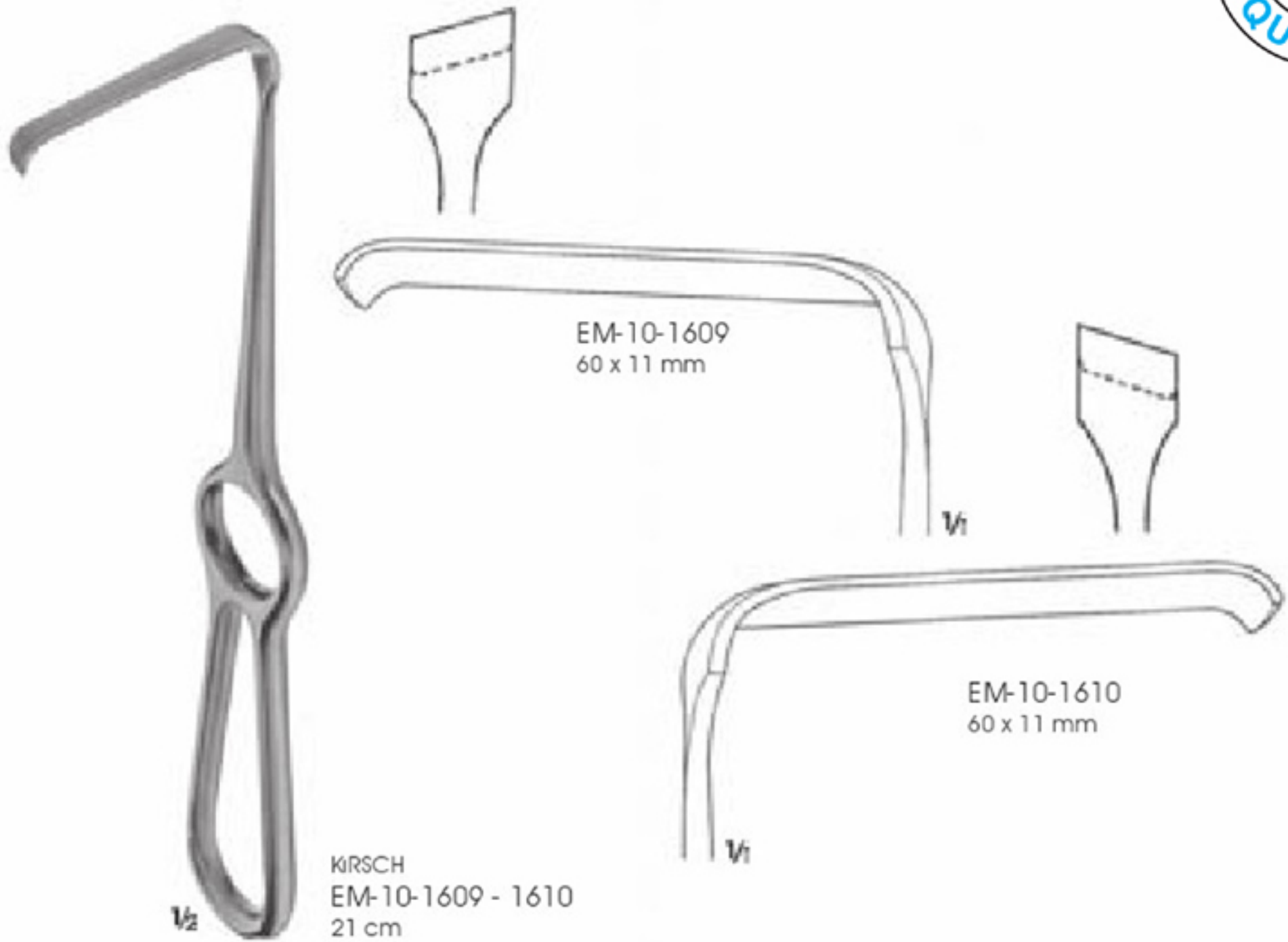
KOCHER  
EM-10-1607-01 1607-05  
23 cm

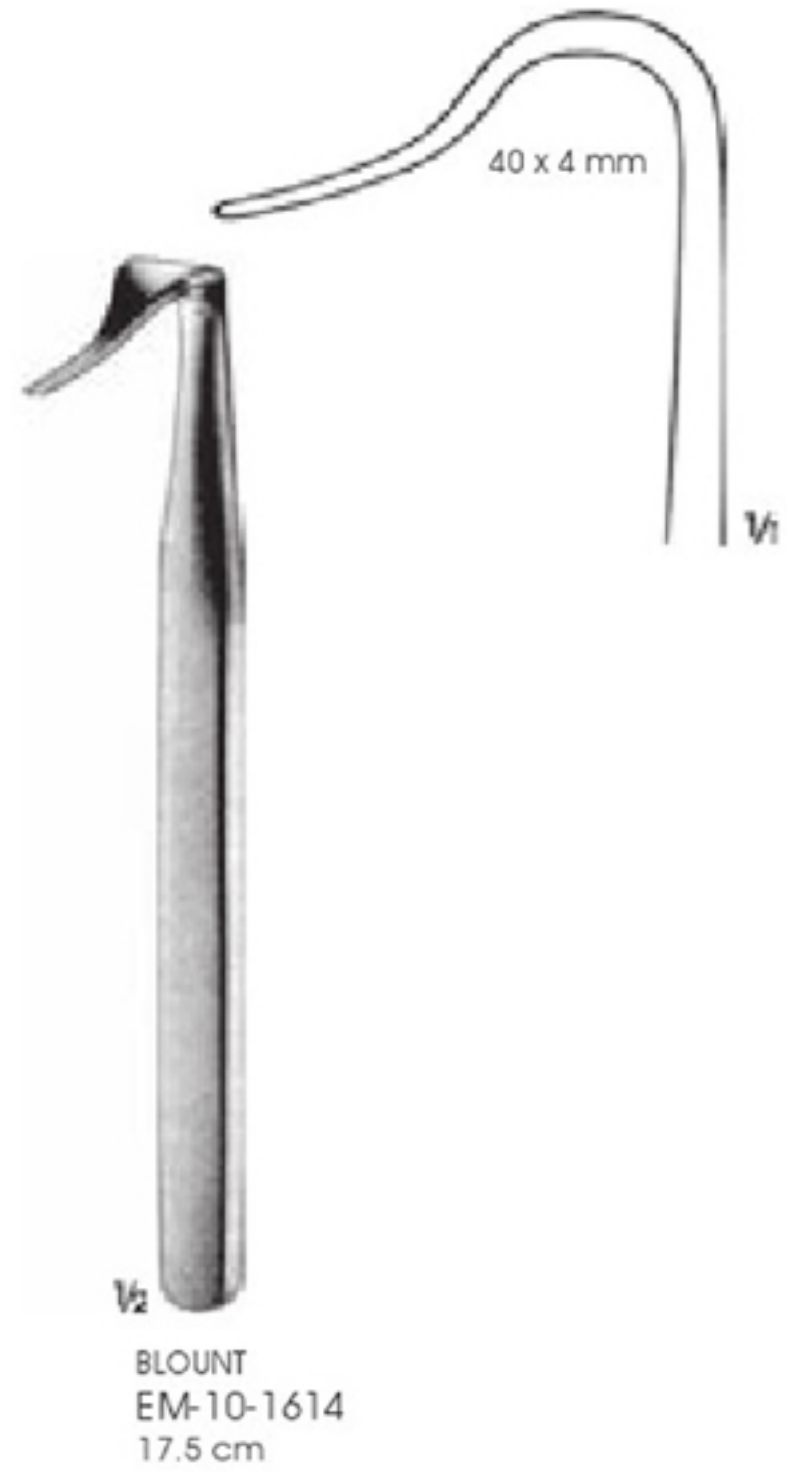
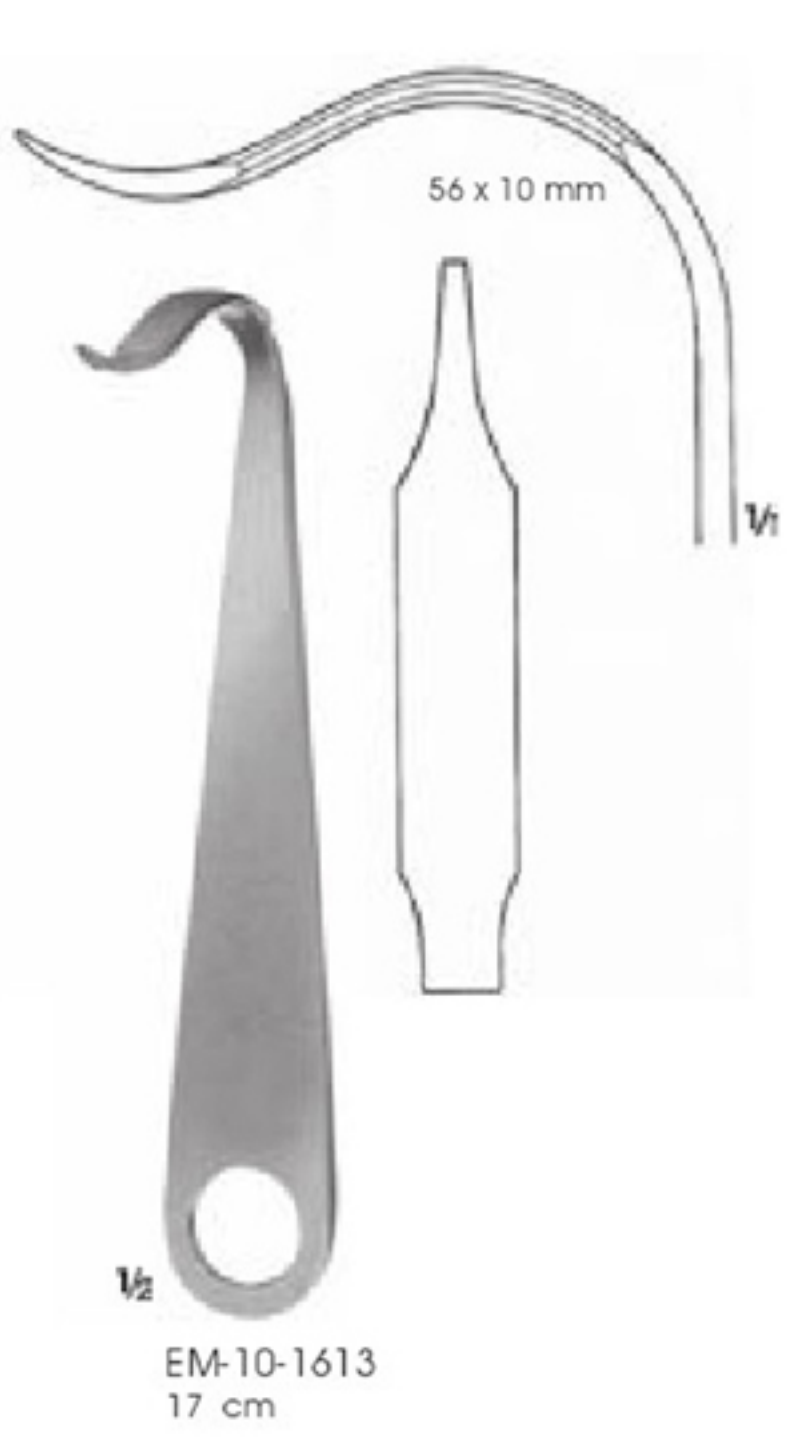
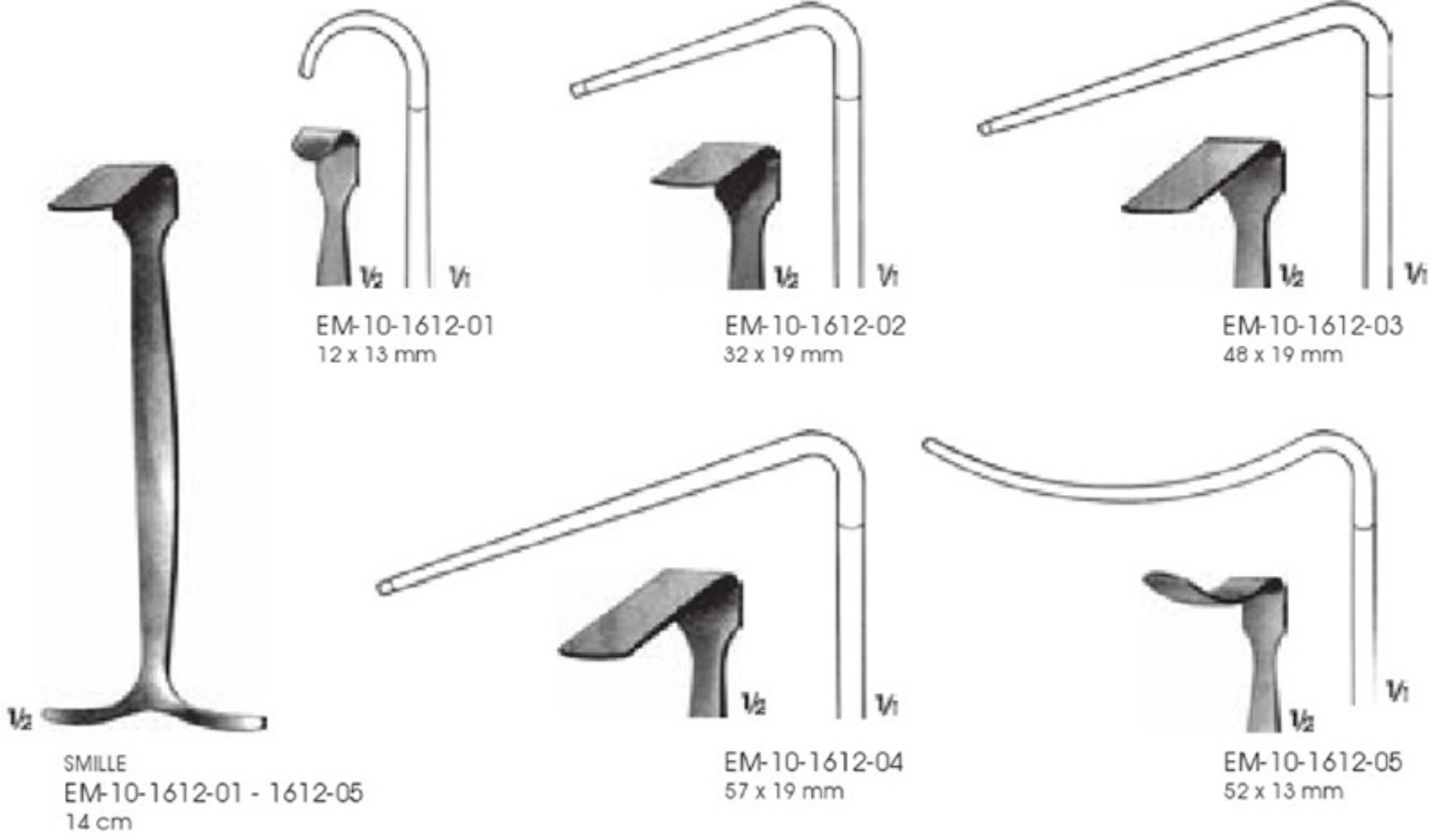


1/2

SAUERBRUCH  
EM-10-1608-01 - 1608-03  
22.5 cm













MIDDELDORPF  
EM-10-1618-01 - 1618-03



EM-10-1618-01  
15 x 15 mm  
22 cm



EM-10-1618-02  
20 x 22 mm  
21.5 cm



EM-10-1618-03  
28 x 28 mm  
23.5 cm



GREENE  
EM-10-1619  
22.5 cm



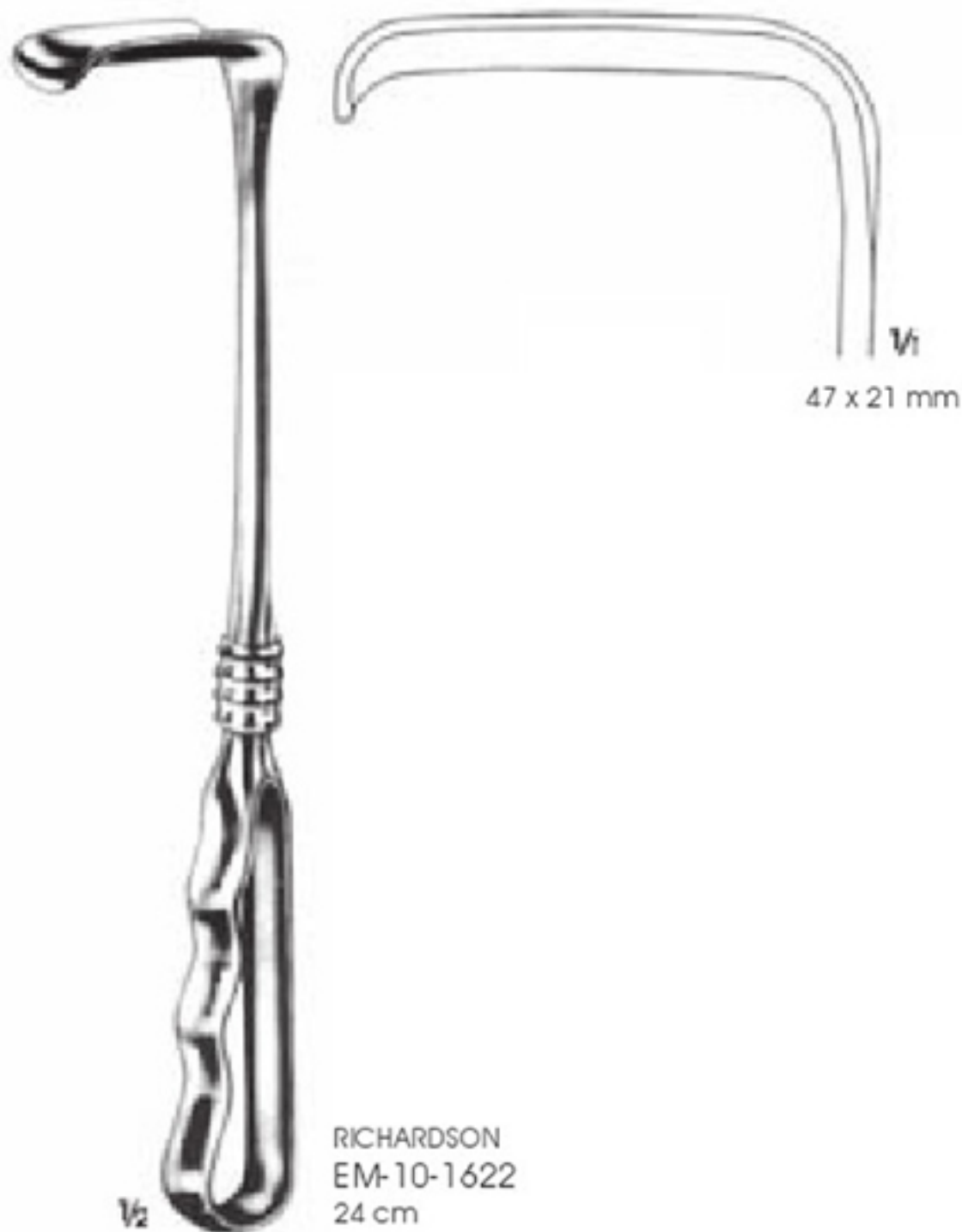
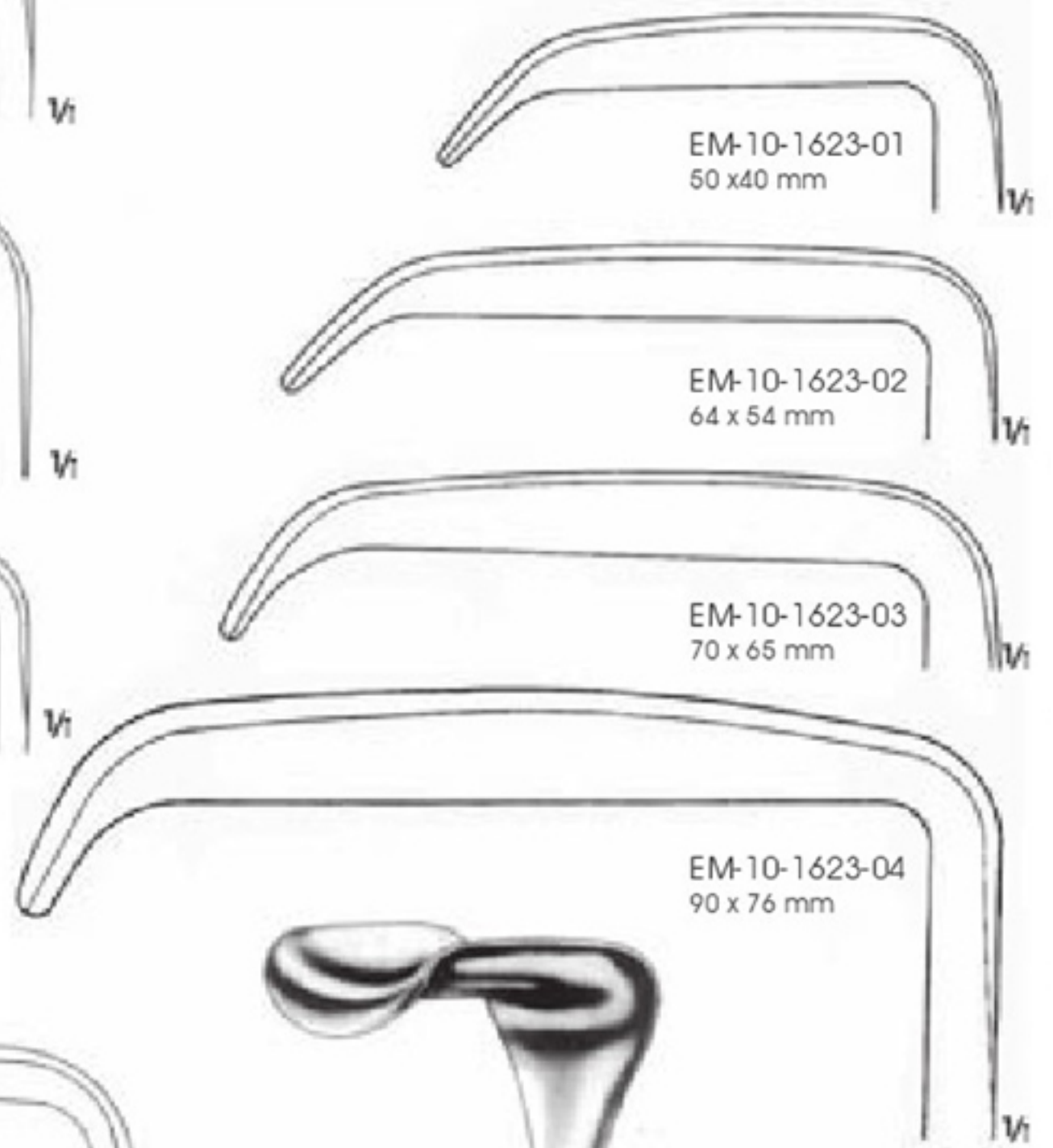
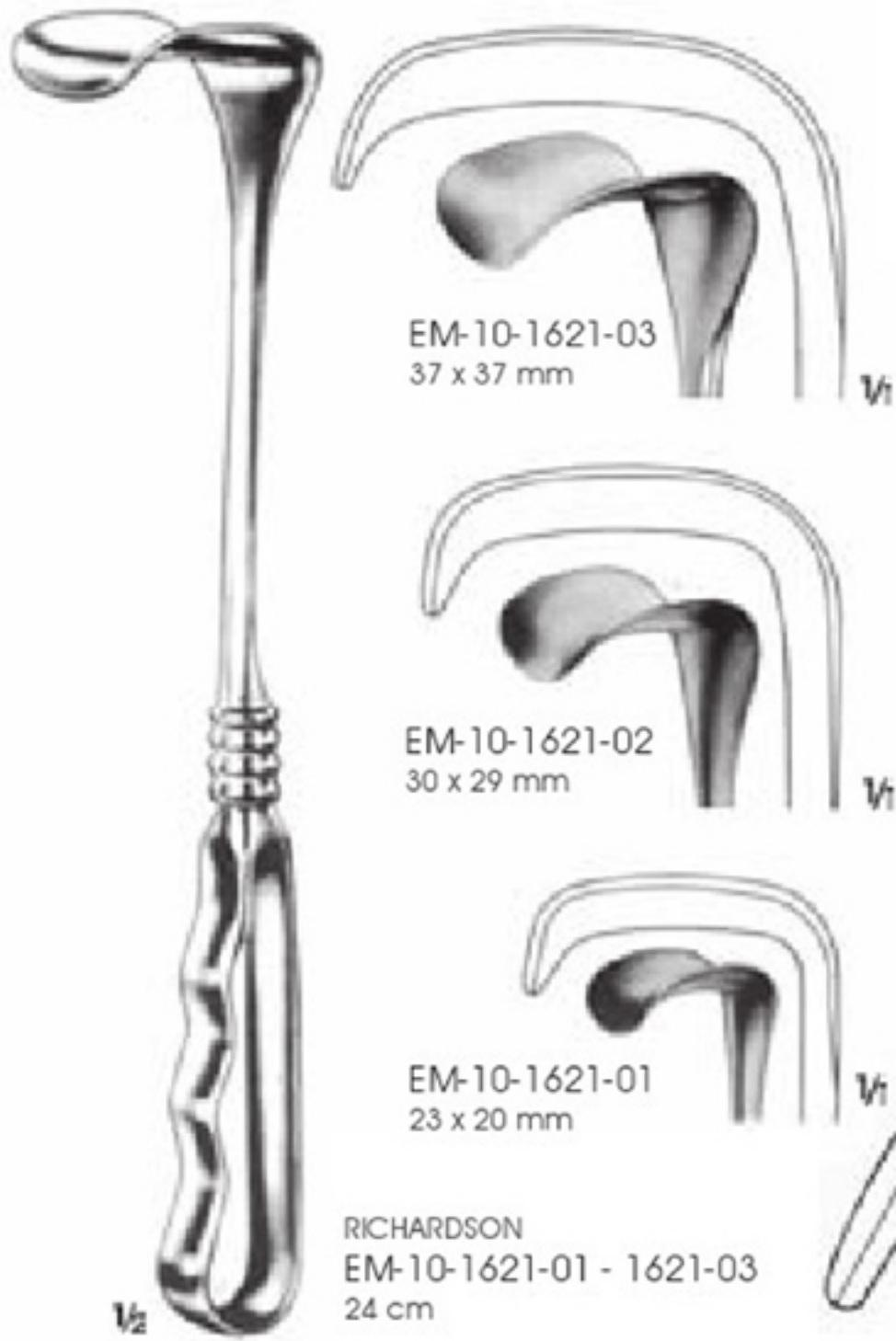
22 x 22 mm



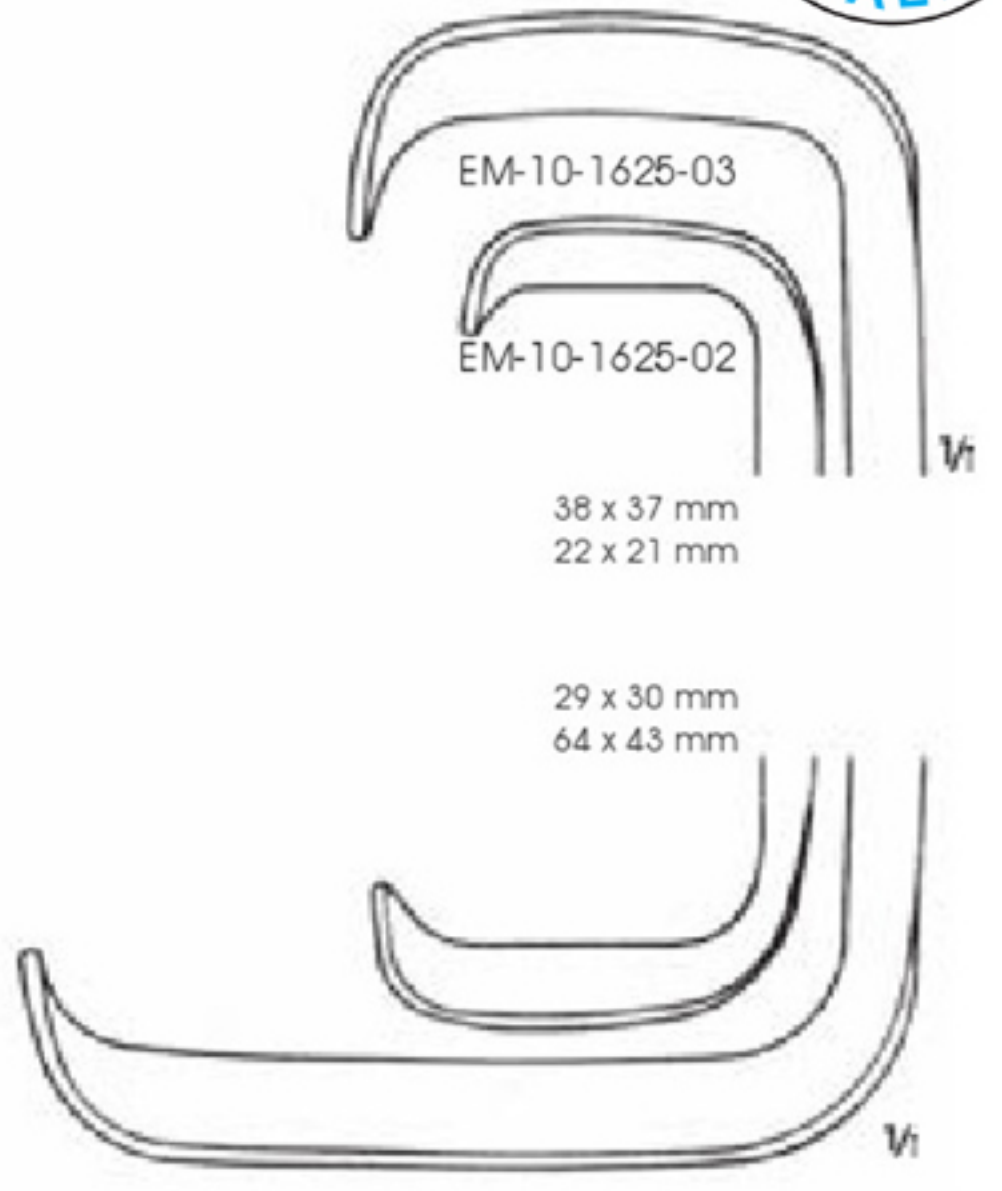
DURHAM  
EM-10-1620  
21.5 cm

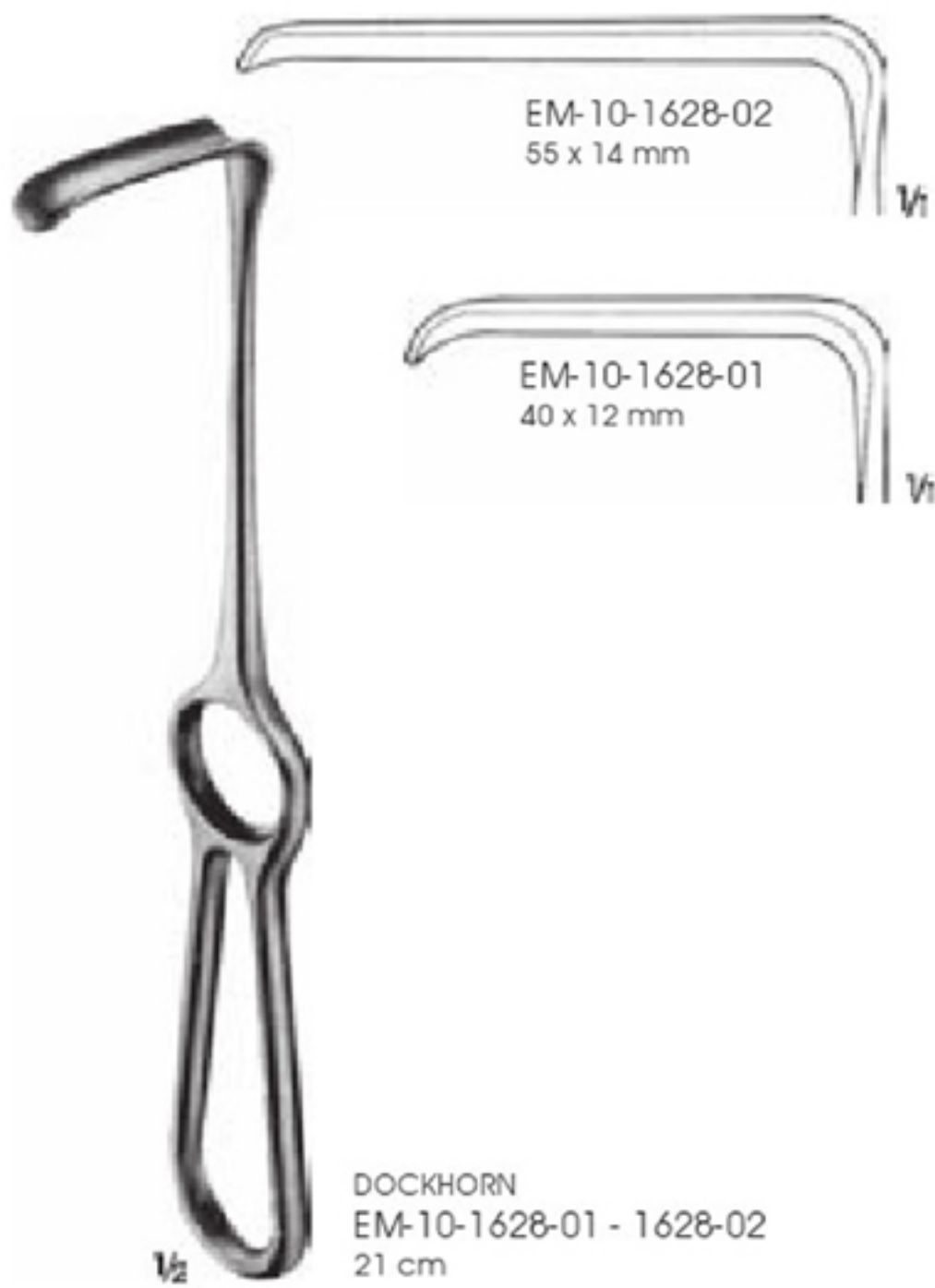


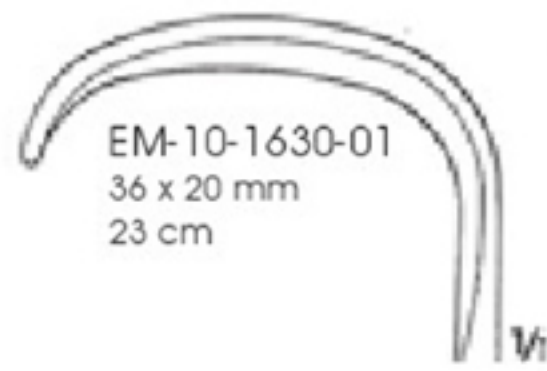
16 x 25 mm



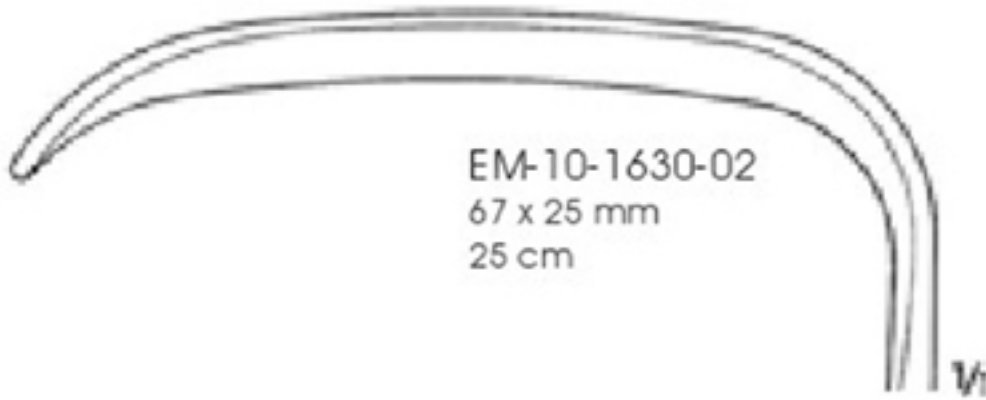




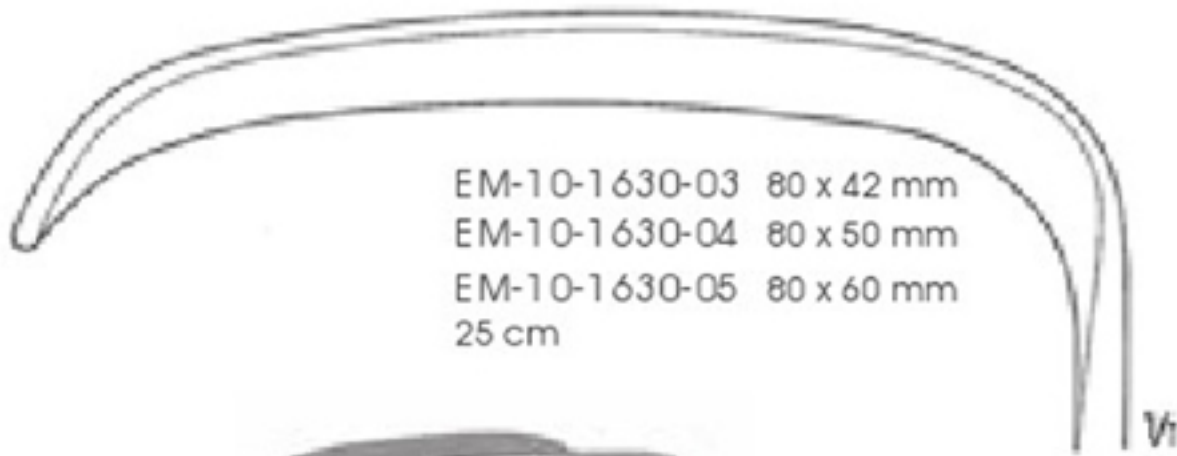




EM-10-1630-01  
36 x 20 mm  
23 cm



EM-10-1630-02  
67 x 25 mm  
25 cm



EM-10-1630-03 80 x 42 mm  
EM-10-1630-04 80 x 50 mm  
EM-10-1630-05 80 x 60 mm  
25 cm



EM-10-1631-01 70 x 40 mm  
EM-10-1631-02 70 x 50 mm  
EM-10-1631-03 70 x 65 mm



KOCHER  
EM-10-1630-01 - 1630-05

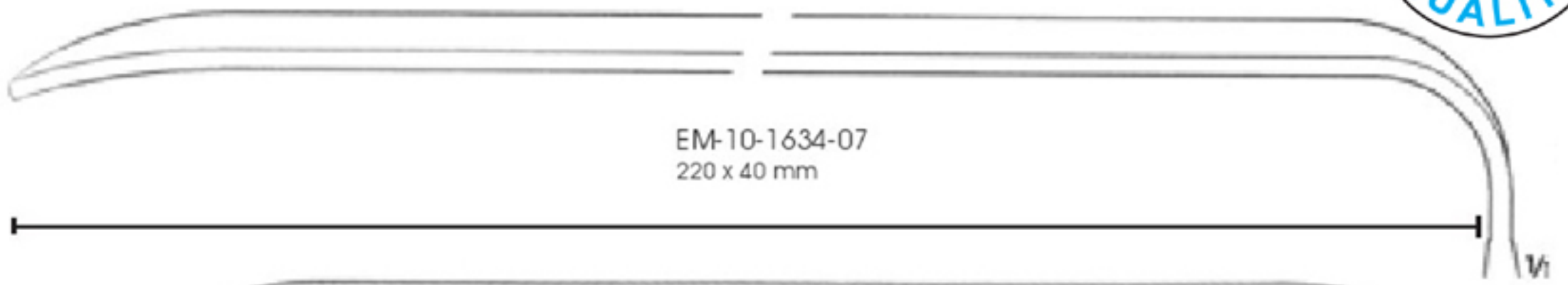


MORRIS  
EM-10-1631-01 - 1631-03  
24.5 cm

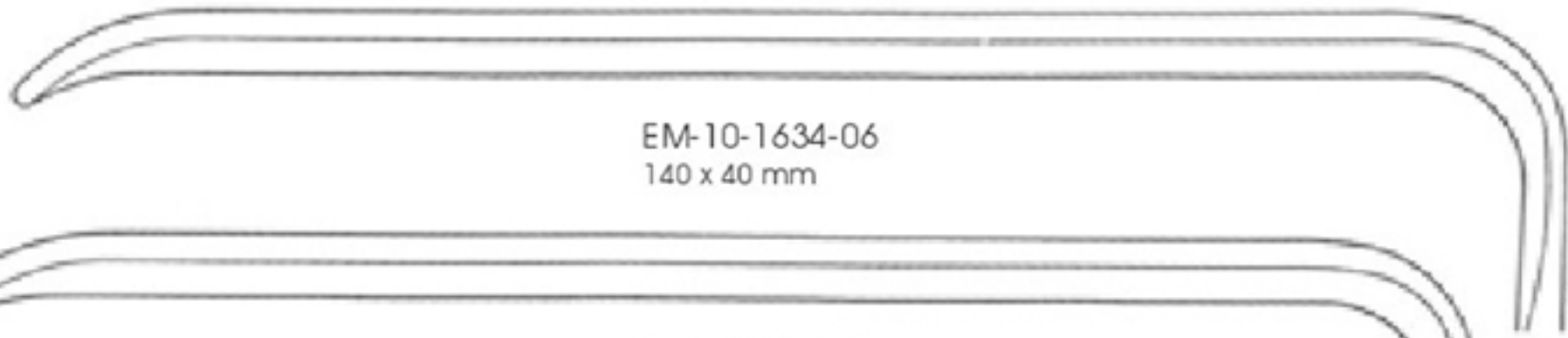




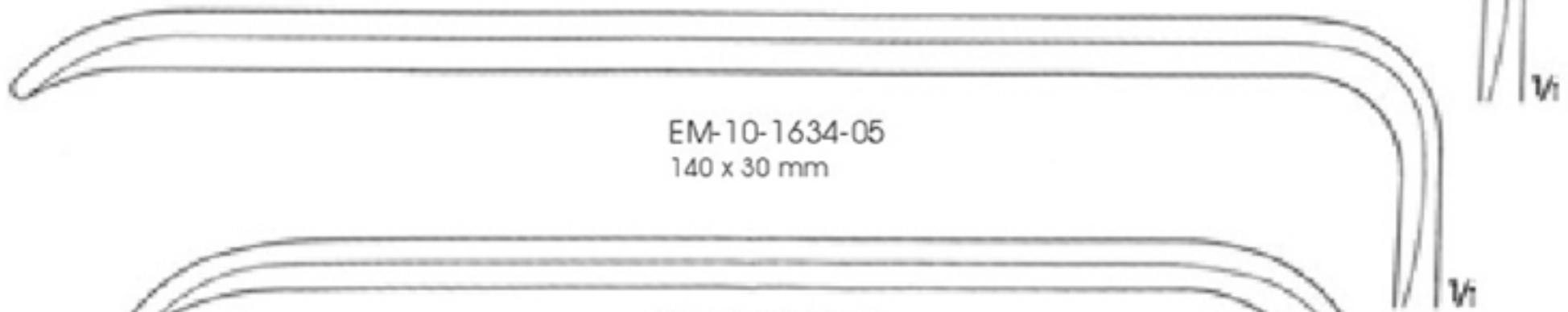




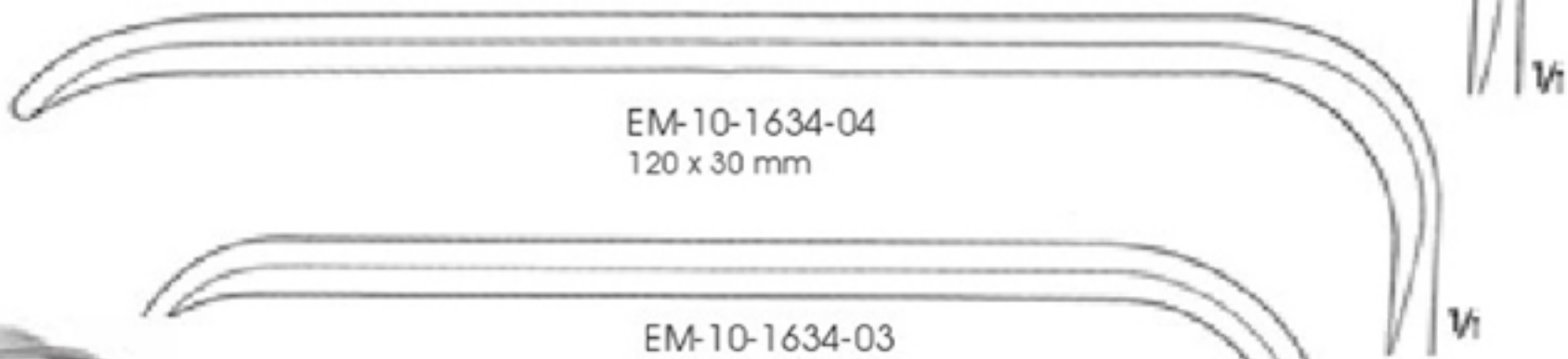
EM-10-1634-07  
220 x 40 mm



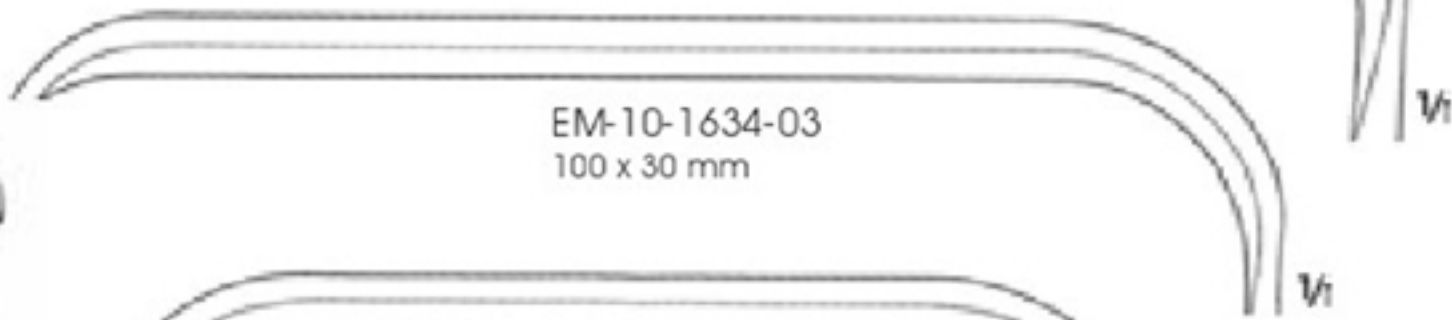
EM-10-1634-06  
140 x 40 mm



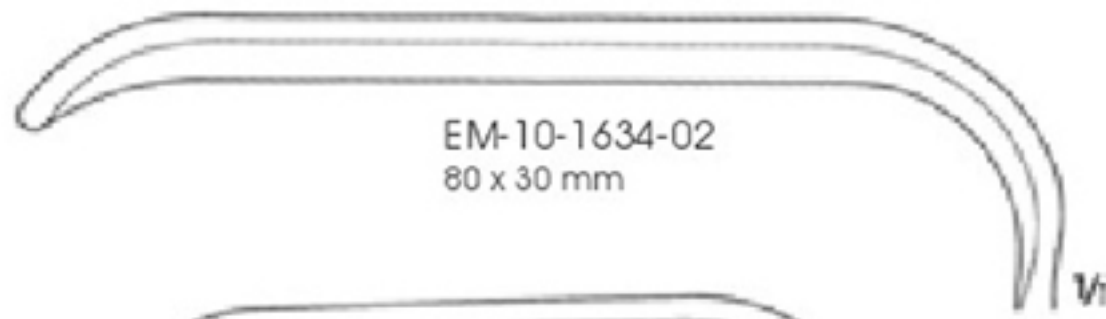
EM-10-1634-05  
140 x 30 mm



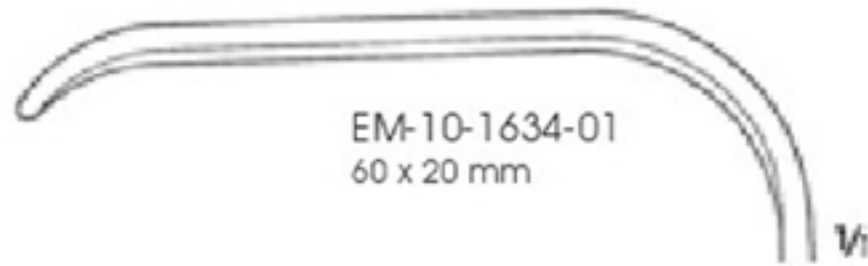
EM-10-1634-04  
120 x 30 mm



EM-10-1634-03  
100 x 30 mm



EM-10-1634-02  
80 x 30 mm

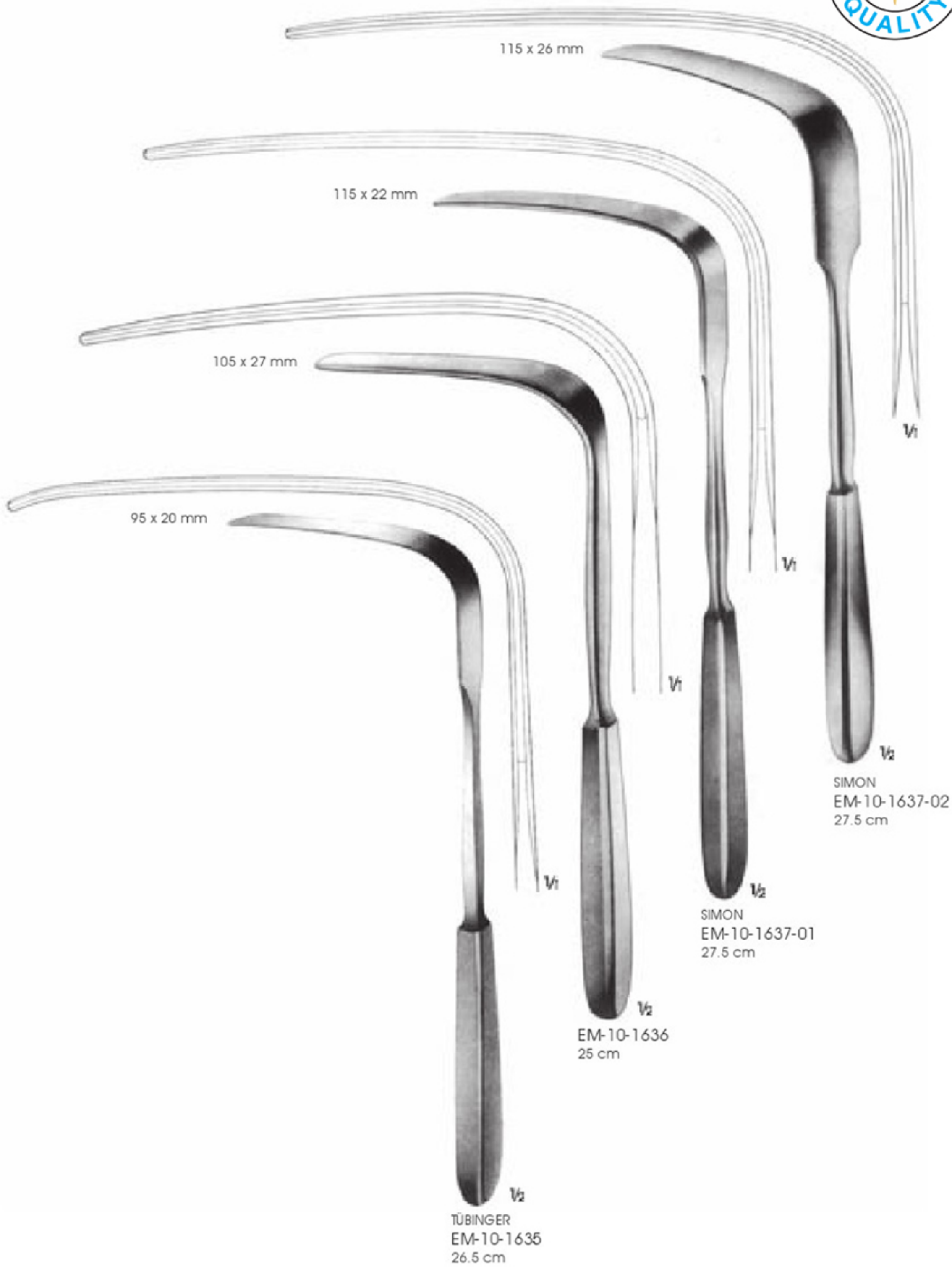


EM-10-1634-01  
60 x 20 mm

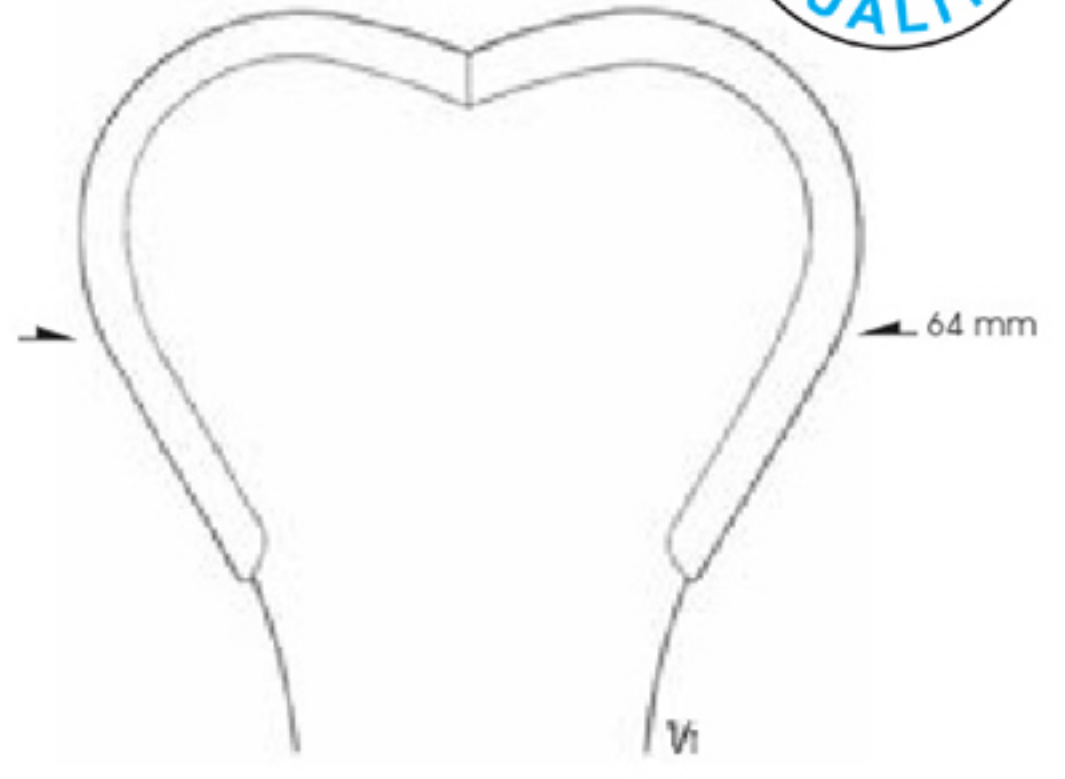
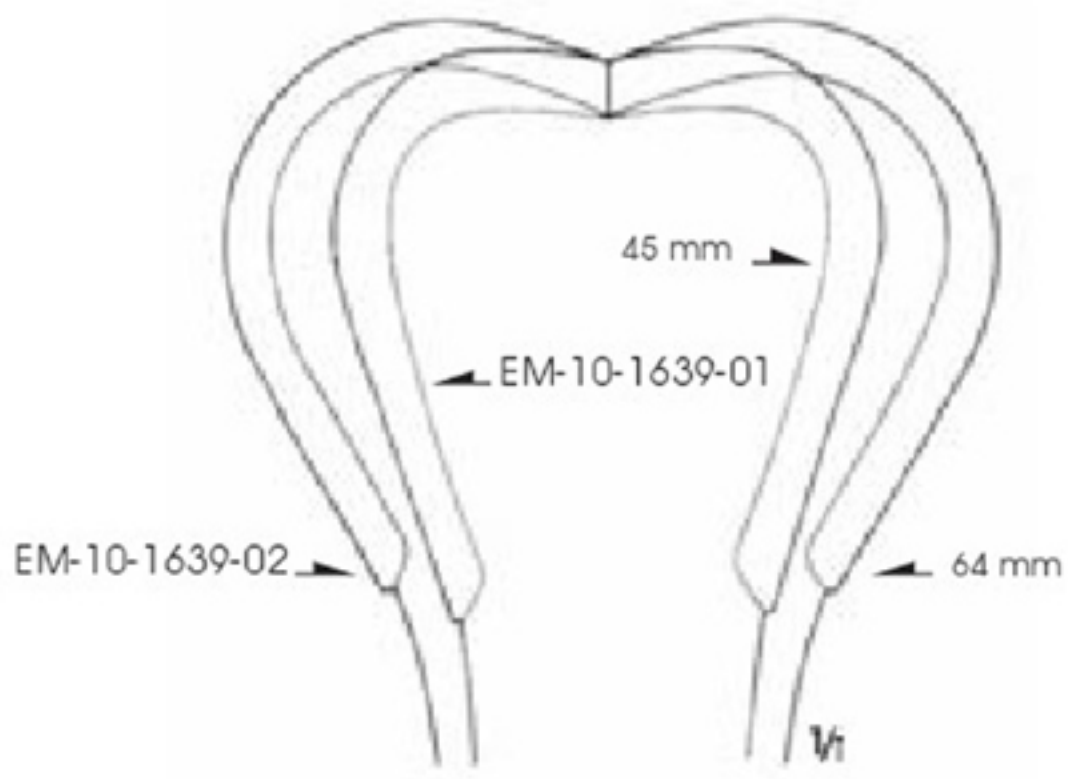


HÖSEL  
EM-10-1634-01 - 1634-07  
25 cm









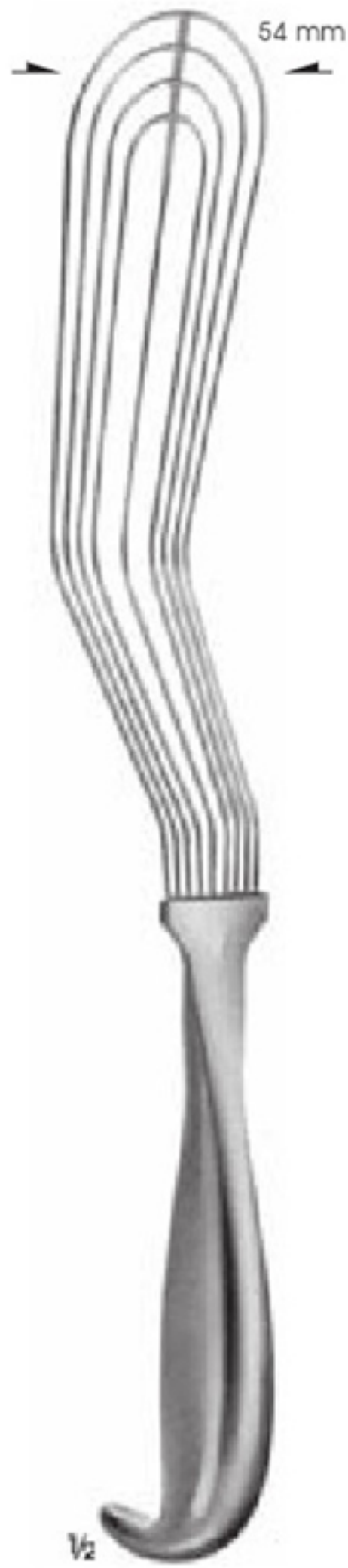
$\frac{1}{2}$   
 HARRINGTON  
 EM-10-1639-01 123 x 45 mm  
 EM-10-1639-02 123 x 64 mm  
 Flexible  
 29.5 cm

$\frac{1}{2}$   
 HARRINGTON-PEMBERTON  
 EM-10-1640 175 x 64 mm  
 Flexible  
 29.5 cm

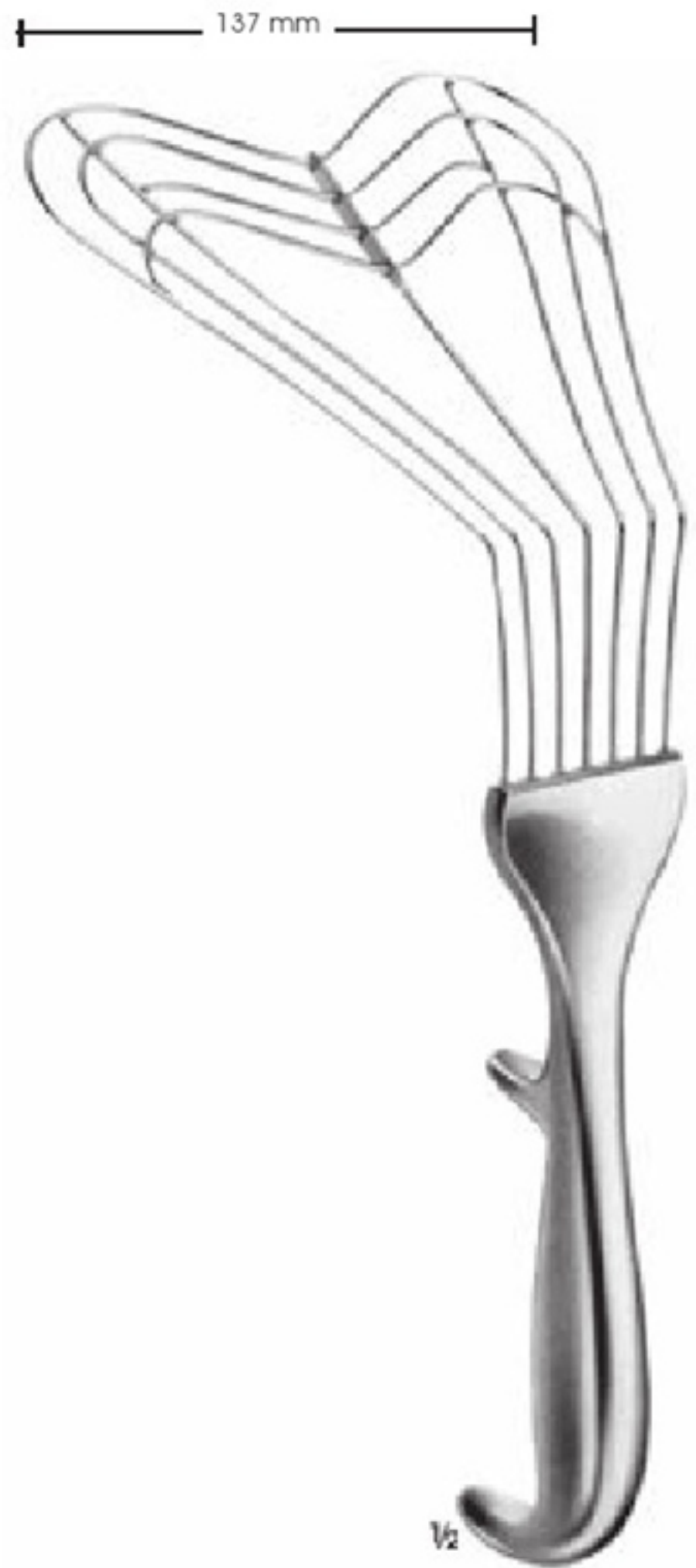




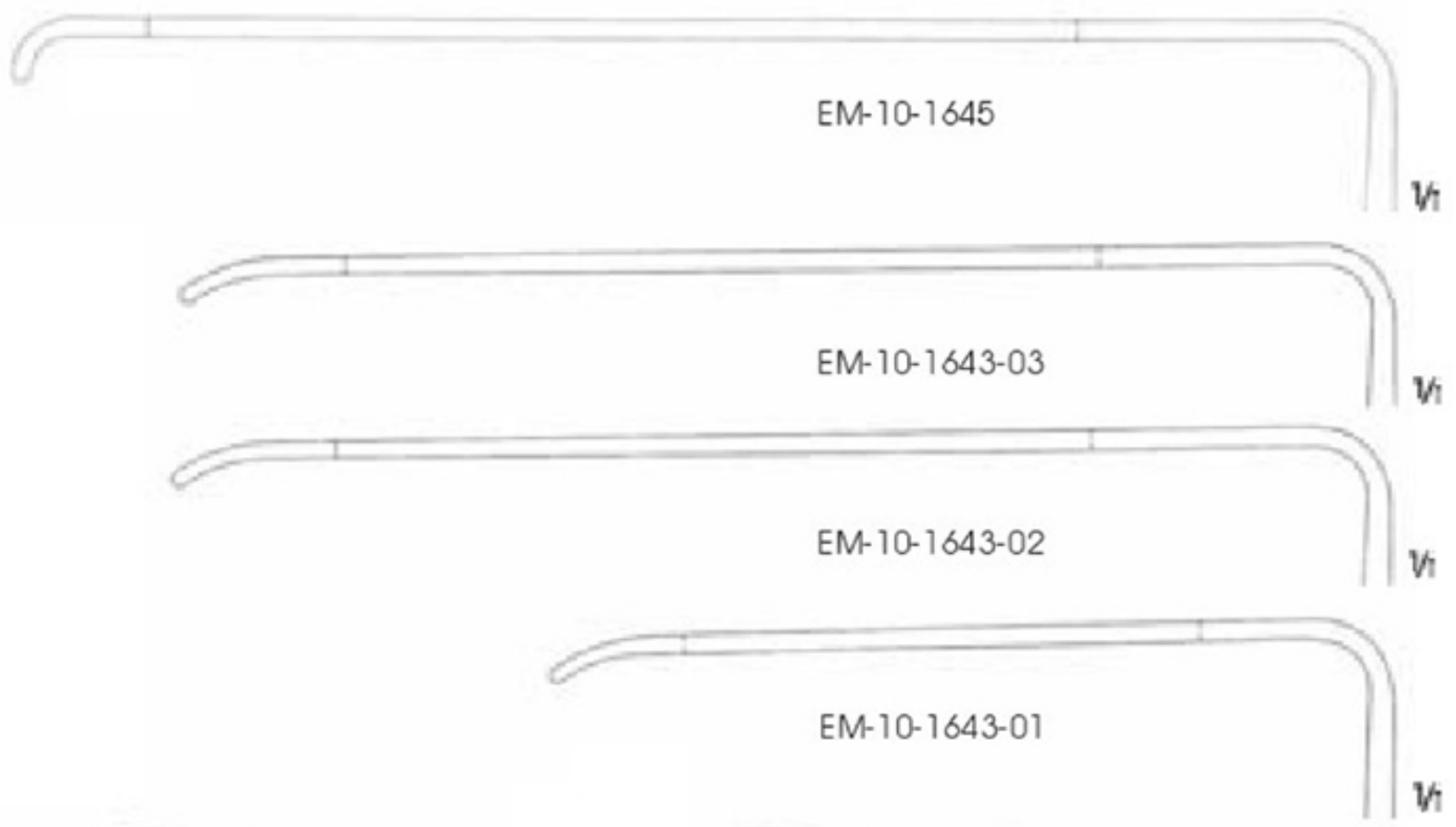
ALLISON  
EM-10-1641-01  
25.5 cm



ALLISON  
EM-10-1641-02  
32 cm



ALLISON  
EM-10-1642  
30 cm



EM-10-1643-03  
115 x 65 mm

EM-10-1643-02  
115 x 38 mm

EM-10-1643-01  
80 x 20 mm

130 x 38 mm

CORYLLOS  
EM-10-1643-01 - 1643-03  
25.5 cm

SAUERBRUCH  
EM-10-1645  
26 cm



V1



205 x 29 mm

V2

EM-10-1646  
26 cm



142 x 25 mm

V2

BRUNNER  
EM-10-1647  
24 cm

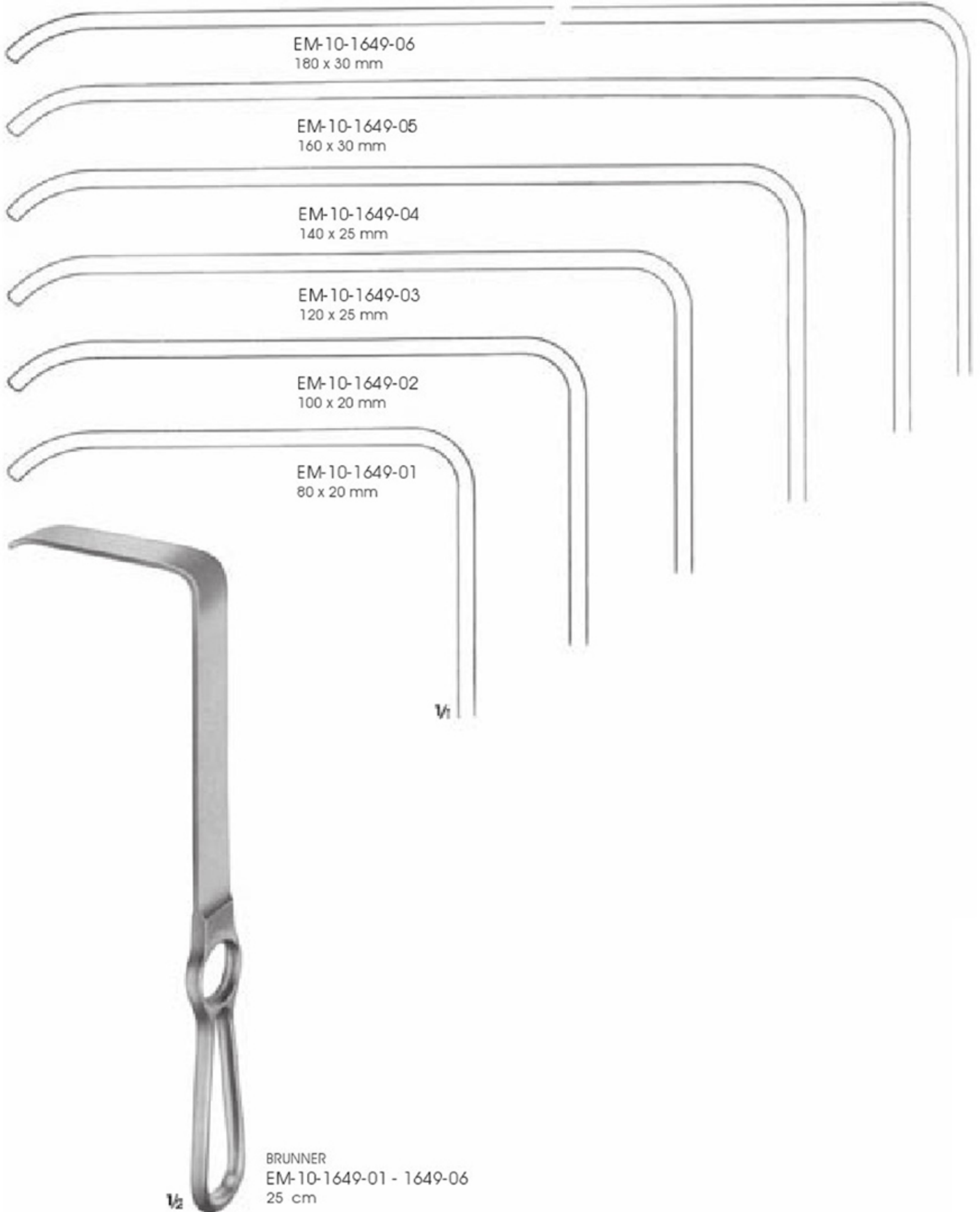




DAVIDSON  
EM-10-1648-02  
19.5 cm



DAVIDSON  
EM-10-1648-01  
19.5 cm





1/2

BRUNNER  
EM-10-1650-01 - 1650-07  
27.5 cm





HASSON  
EM-10-1651-01 - 1651-02



1/2

EM-10-1651-01  
10 x 160 mm



1/2

EM-10-1651-02  
13 x 180 mm



19 mm

1/2

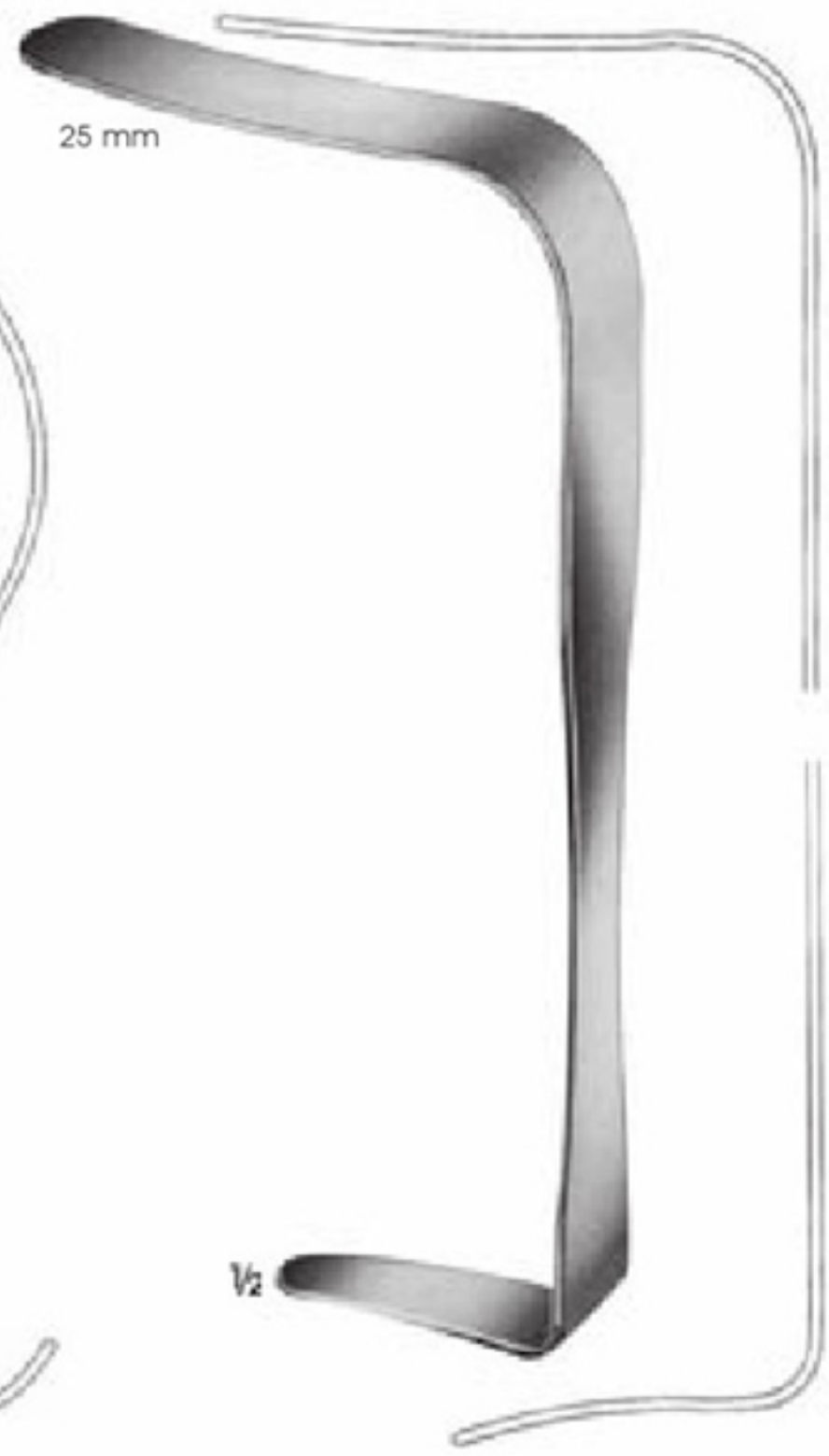
DEAVER  
EM-10-1652-01  
18 cm



22 mm

1/2

DEAVER  
EM-10-1652-02  
21.5 cm



25 mm

1/2

DEAVER  
EM-10-1652-03  
23.5 cm



DEAVER  
EM-10-1652-04  
30 cm



DEAVER  
EM-10-1652-05  
31.5 cm



38 mm

1/2

DEAVER  
EM-10-1652-06  
30 cm



50 mm

1/2

DEAVER  
EM-10-1652-07  
31 cm





75 mm

1/2

DEAVER  
EM-10-1652-08  
32 cm



25 mm

1/2

DEAVER  
EM-10-1652-09  
36.5 cm



DEAVER  
EM-10-1653-01  
31 cm



DEAVER  
EM-10-1653-02  
31 cm



50 mm

DEAVER  
EM-10-1653-03  
30.5 cm



75 mm

DEAVER  
EM-10-1653-04  
31 cm





LERICHE  
EM-10-1654-01  
25.5 cm



LERICHE  
EM-10-1654-02  
27.5 cm



KÜMMEL  
EM-10-1655  
Malleable  
28.5 cm



KÖRTE  
EM-10-1656  
30 cm



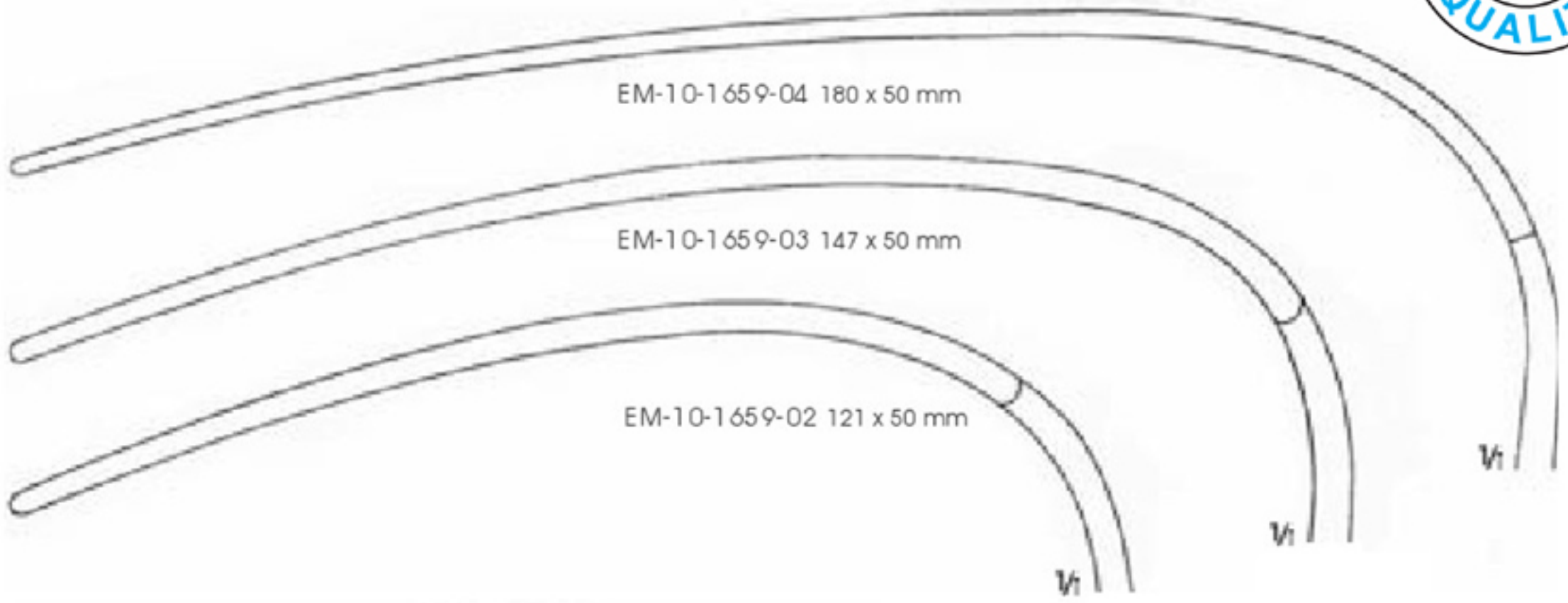
1/2

EM-10-1657  
Prostate retractor  
36 cm



1/2

EM-10-1658  
Urethral retractor  
39 cm

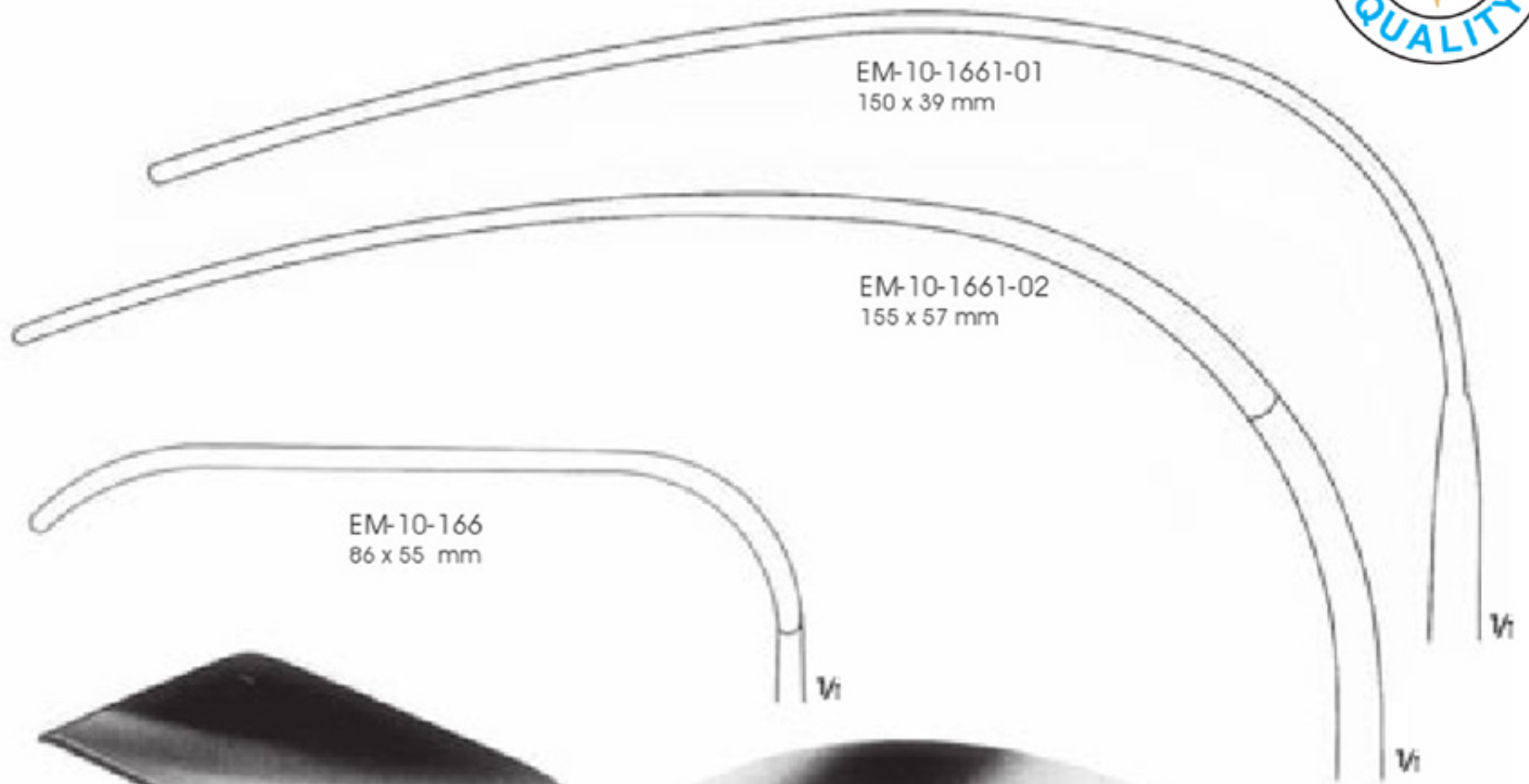


$\frac{1}{2}$   
MIKULICZ  
EM-10-1659-01  
24 cm



$\frac{1}{2}$   
MIKULICZ  
EM-10-1659-02 - 1659-03  
25 cm  
EM-10-1659-04  
26 cm

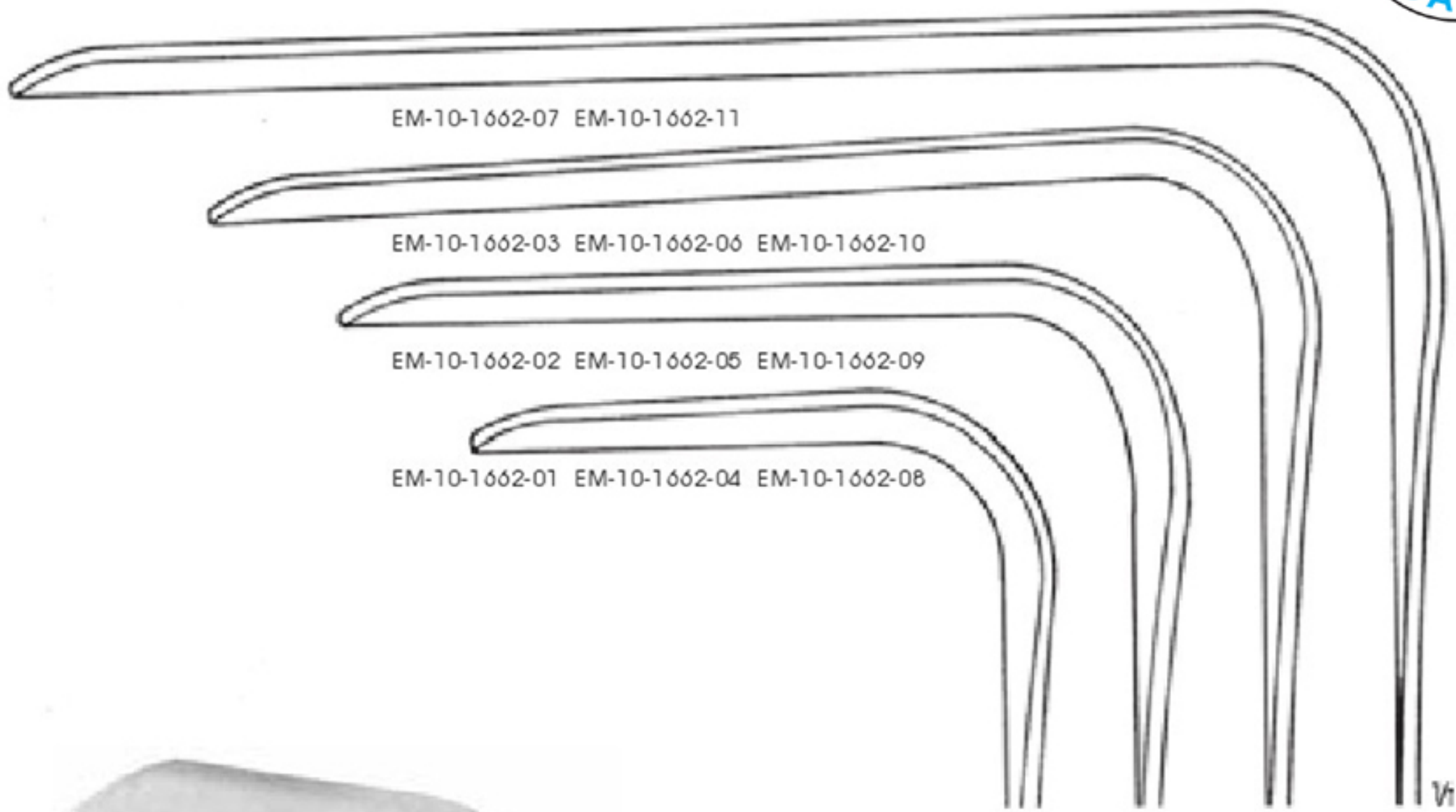




$\frac{1}{2}$   
MIKULICZ  
EM-10-1660  
25.5 cm



$\frac{1}{2}$   
KELLY  
EM-10-1661-01 - 1661-02  
26 cm



1/2

DOYEN  
EM-10-1662-01 - 1662-11  
24 cm

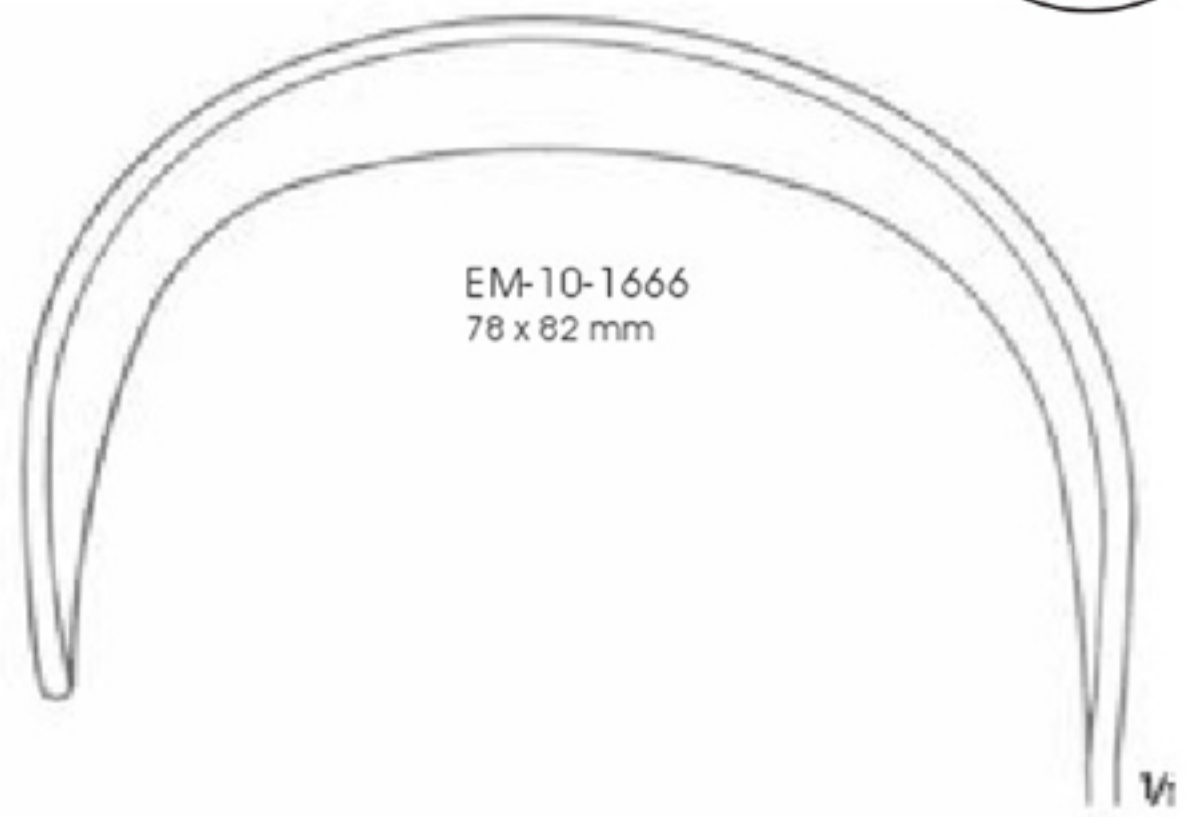
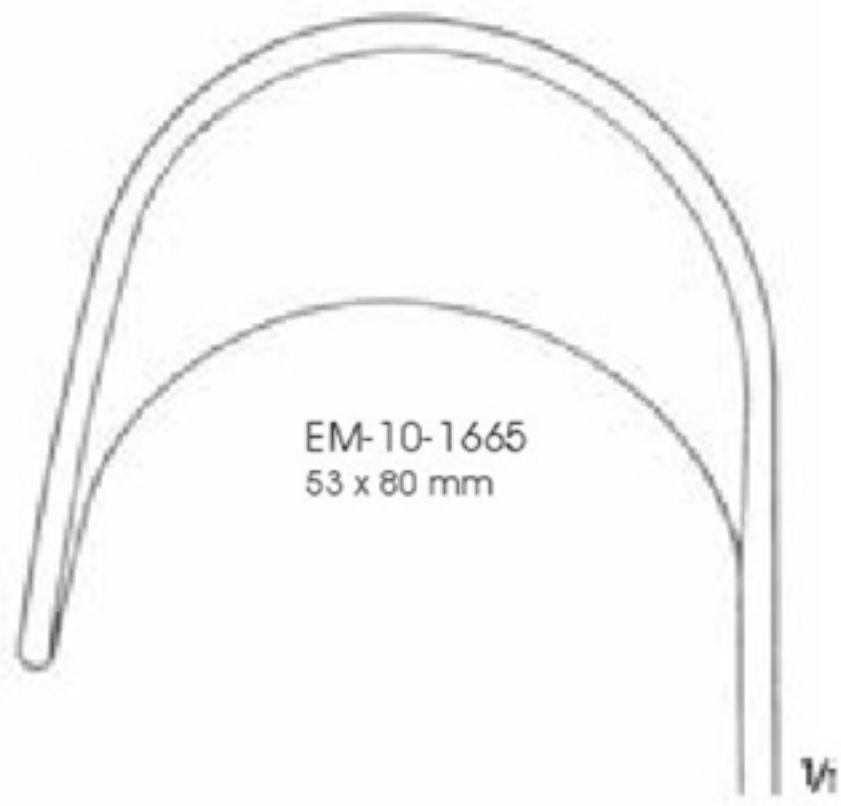
Length of blades	Width of blades		
	35 mm	45 mm	60 mm
60 mm	EM-10-1662-01	EM-10-1662-04	EM-10-1662-08
90 mm	EM-10-1662-02	EM-10-1662-05	EM-10-1662-09
120 mm	EM-10-1662-03	EM-10-1662-06	EM-10-1662-10
160 mm		EM-10-1662-07	EM-10-1662-11



TUFFIER  
EM-10-1663  
21.5 cm



TUDOR-EDWARDS  
EM-10-1664  
20.5 cm

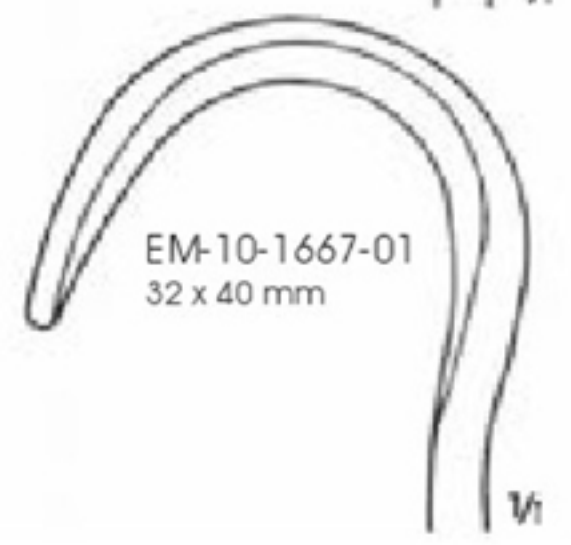
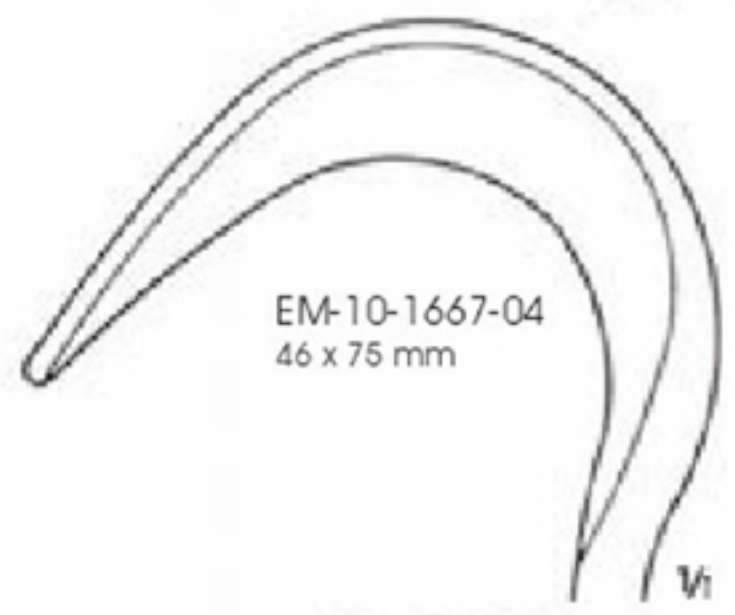
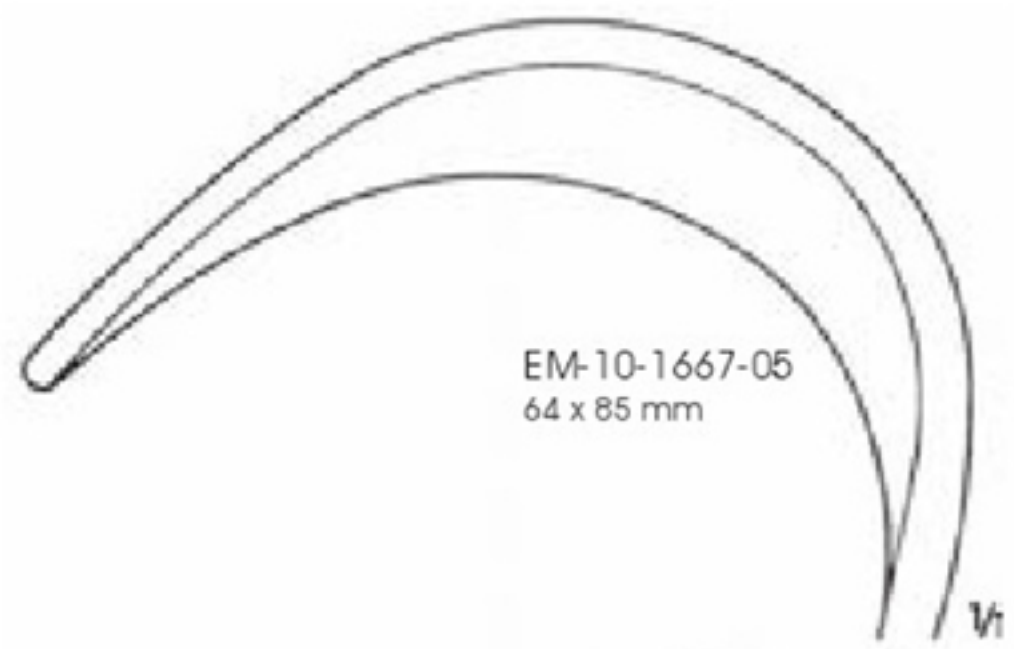


DOYEN  
EM-10-1665  
25 cm

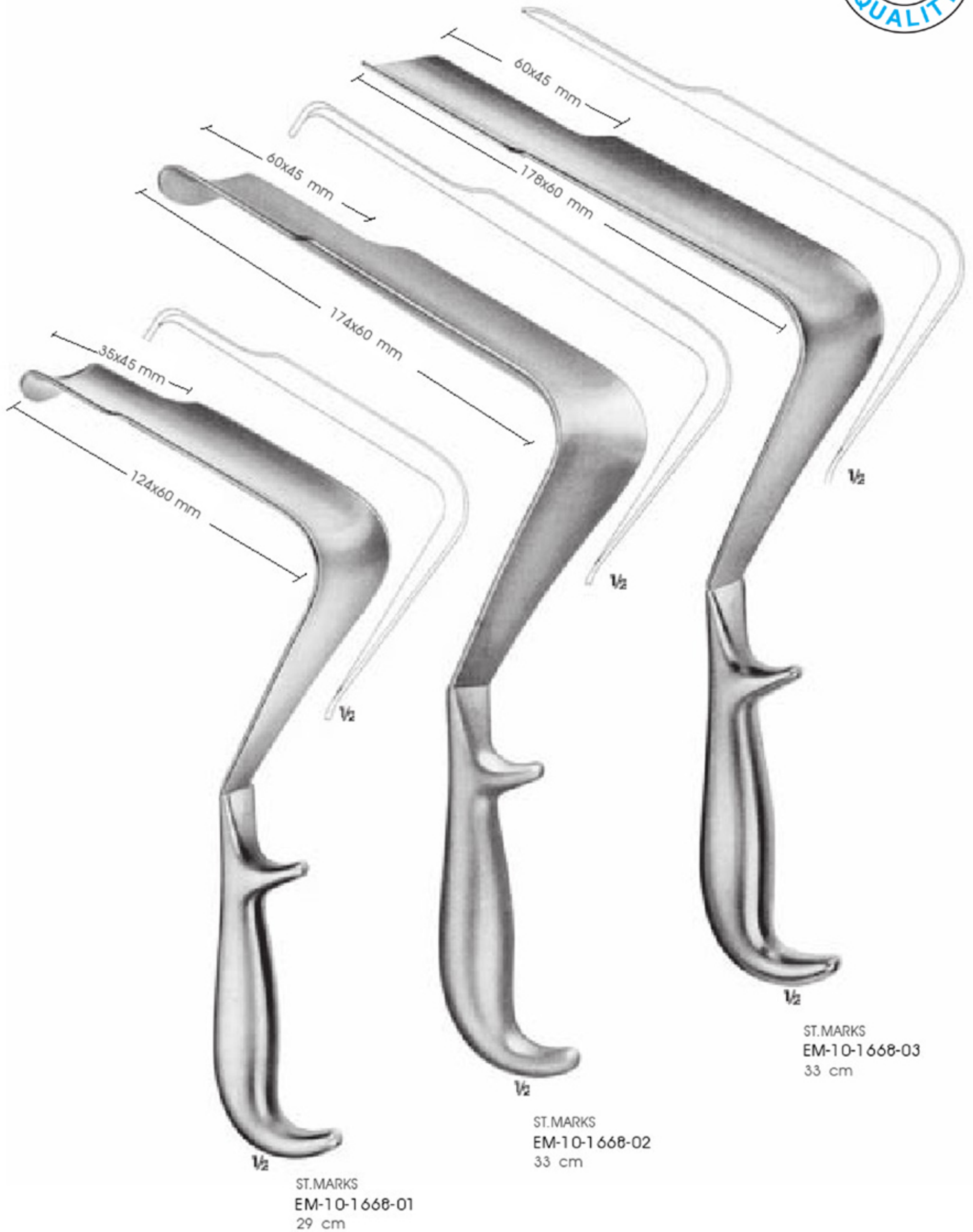


DOYEN  
EM-10-1666  
26 cm



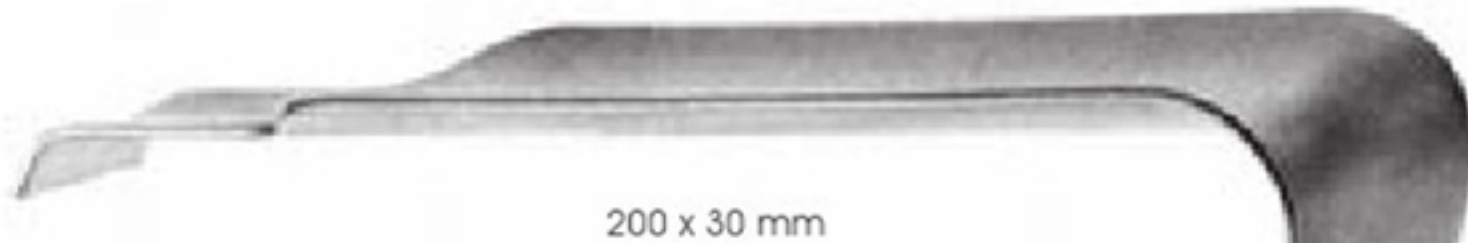


FRITSCH  
EM-10-1667-01 - 1667-05  
24 cm





250 x 30 mm



200 x 30 mm

1/2

MÜLLER  
EM-10-1669-02  
27 cm

1/2

MÜLLER  
EM-10-1669-01  
27 cm



BRUNNER  
EM-10-1670-01  
24 cm



BRUNNER  
EM-10-1670-02  
With light carrier  
24 cm





MIKULICZ  
EM-10-1671-01 120 x 50 mm  
EM-10-1671-02 150 x 50 mm  
Işık taşıyıcı/With light carrier  
26 cm



DOYEN  
EM-10-1672-01  
25 cm



DOYEN  
EM-10-1672-02  
With light carrier  
25 cm



1/2

DOYEN  
EM-10-1673-01 48 x 90 mm  
EM-10-1673-02 48 x 105 mm  
EM-10-1673-03 48 x 120 mm  
EM-10-1673-04 48 x 135 mm  
28 cm



1/2

ROCHARD  
EM-10-1674-01 48 x 90 mm  
EM-10-1674-02 48 x 105 mm  
EM-10-1674-03 48 x 120 mm  
EM-10-1674-04 48 x 135 mm  
EM-10-1674-05 48 x 155 mm  
31 cm



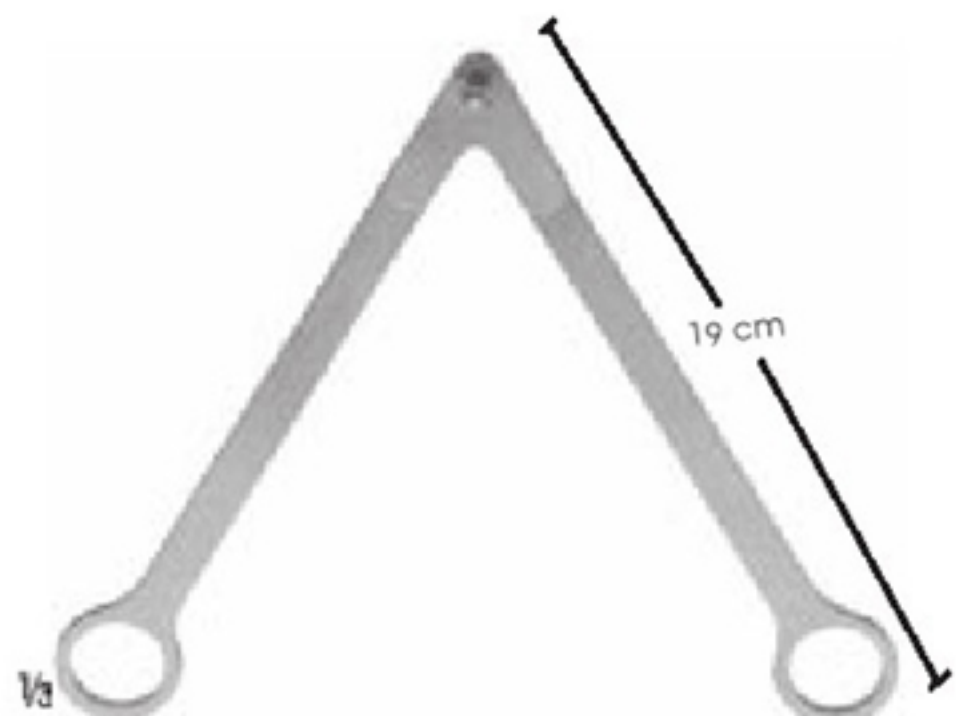
1/2

EM-10-1675 Komple /Complete  
(EM-10-1676) With chain  
(EM-10-1675-01/645 gr.) Weigh  
79 cm



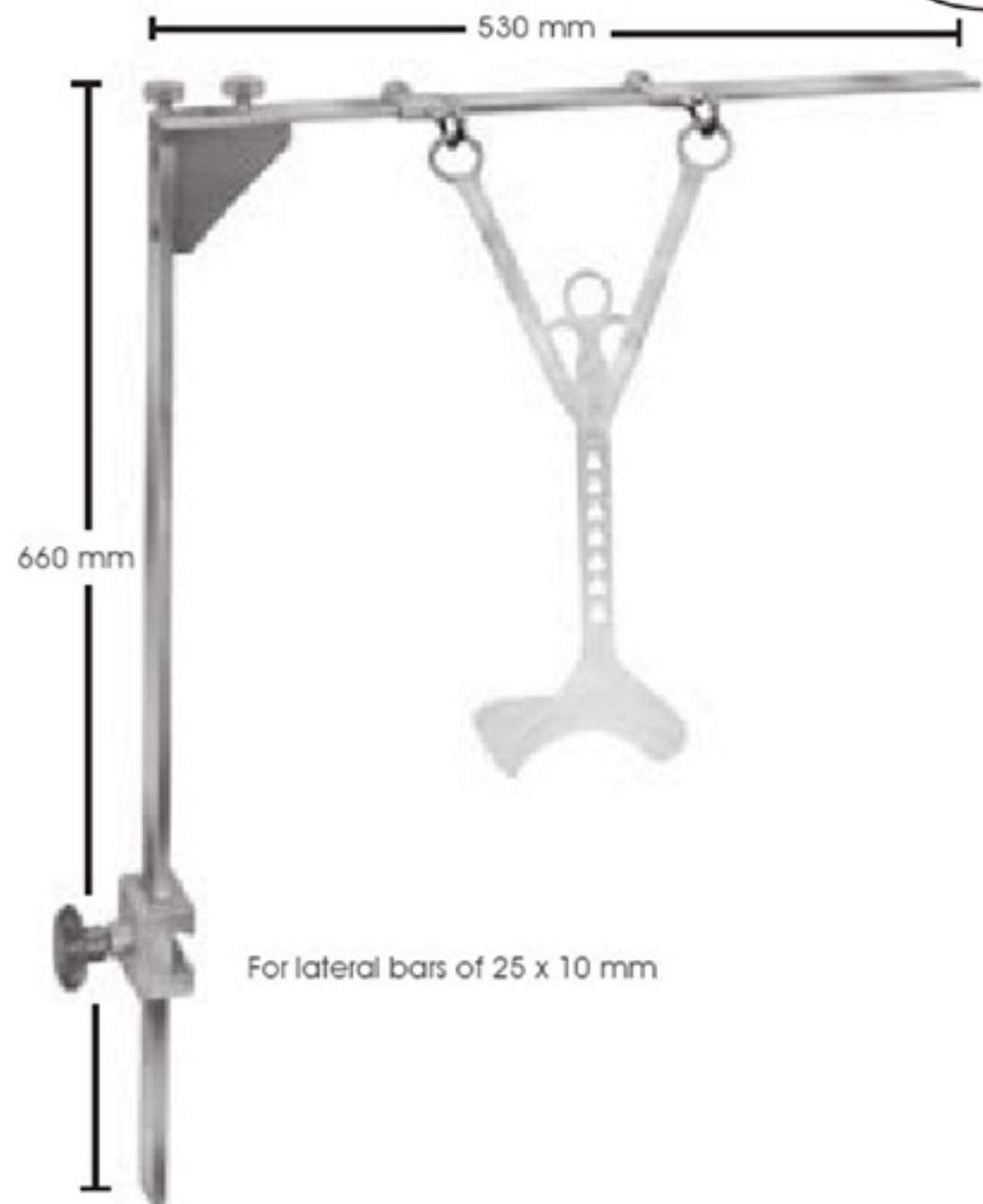
1/2

ROCHARD  
EM-10-1677 - 1674-01

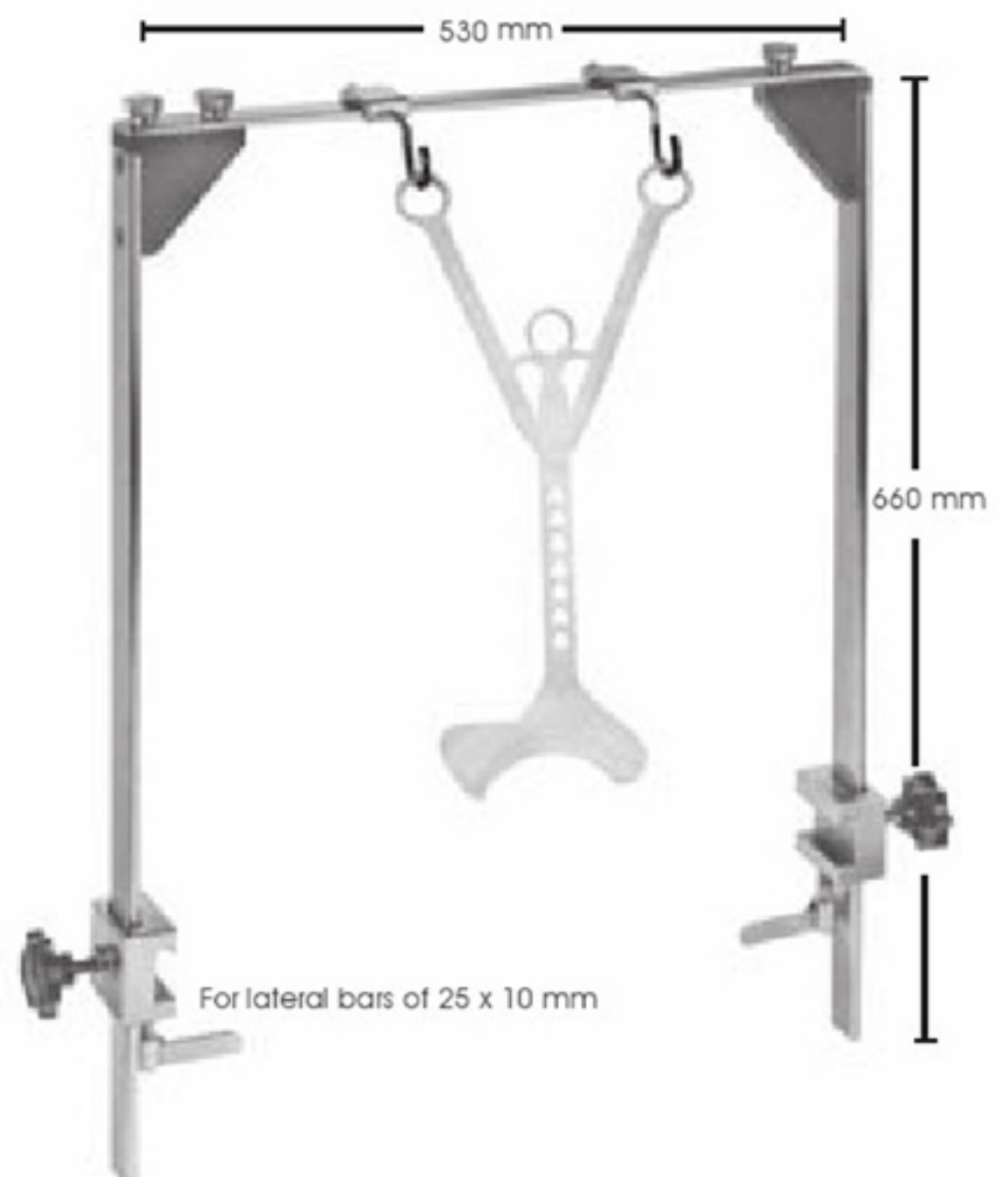


1/2

ROCHARD  
EM-10-1677  
Fixation device for K 739.00-K 739.04

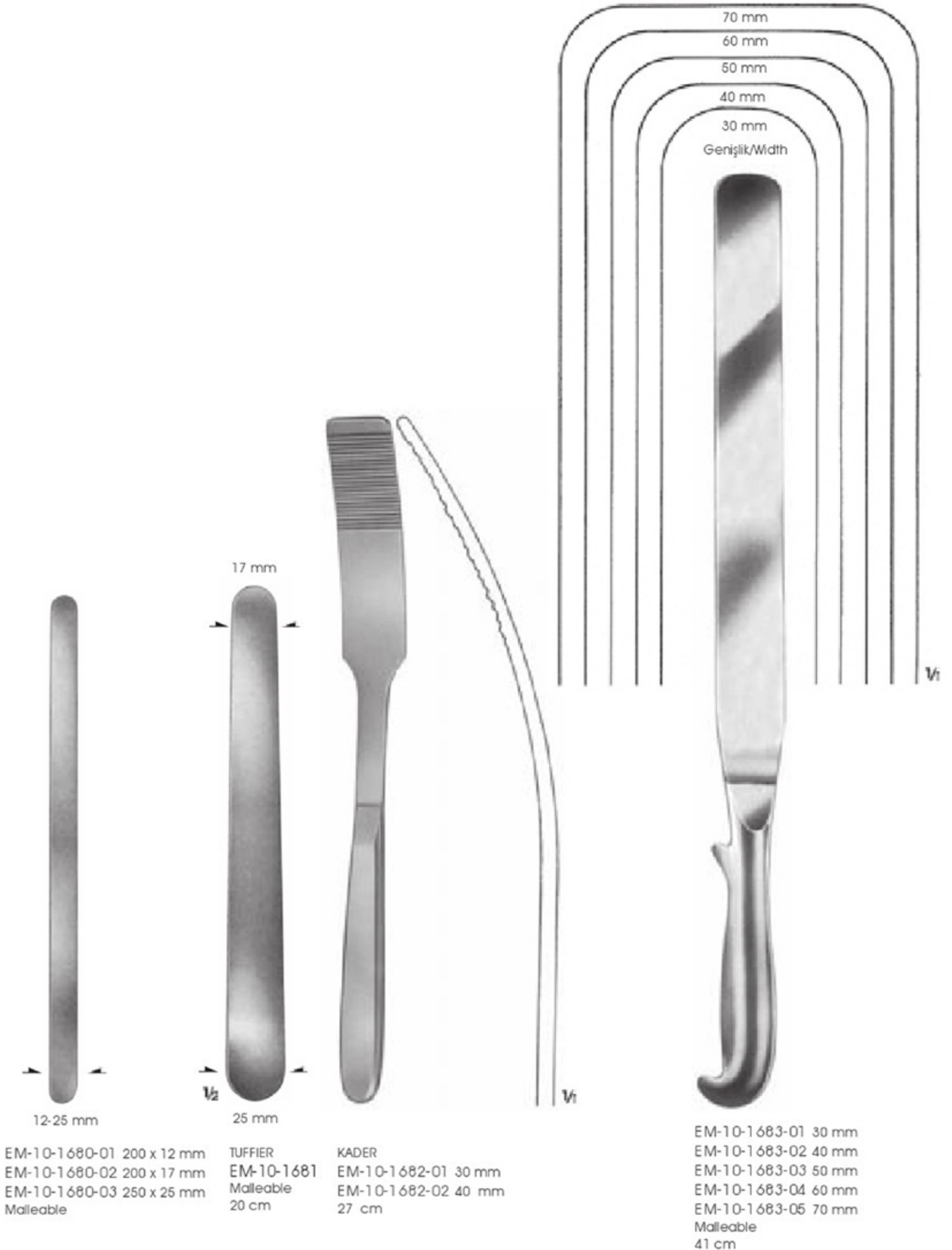


ROCHARD  
EM-10-1678  
Mounting frame for fastening to both sides of the lateral bars of the operating tables, thus more stability is given, can be dismantled for sterilization.



ROCHARD  
EM-10-1679  
Mounting frame for fastening to both sides of the lateral bars of the operating tables, thus more stability is given, can be dismantled for sterilization.









HABERER  
 EM-10-1685  
 Malleable  
 30.5 cm



RIBBON  
 EM-10-1686-01 25 mm  
 EM-10-1686-02 30 mm  
 EM-10-1686-03 40 mm  
 EM-10-1686-04 50 mm  
 Malleable  
 33 cm



REVERDIN  
 EM-10-1687  
 28.5 cm



KOCHER  
 EM-10-1688  
 Depressor, spoon shaped  
 22 cm