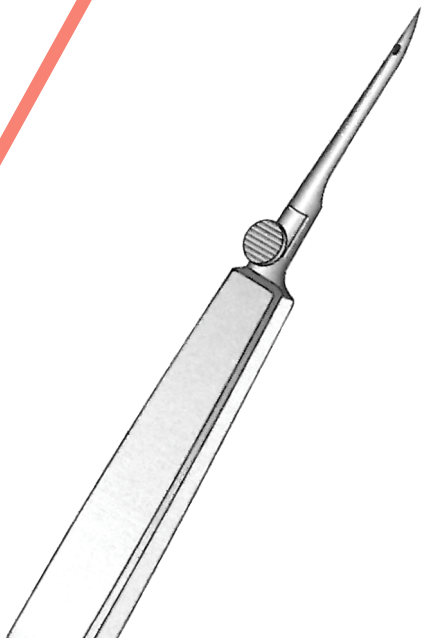


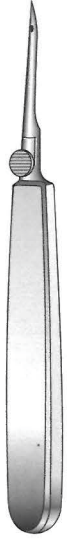
*M.W.Hartmann*

Sutures Needles



24

24

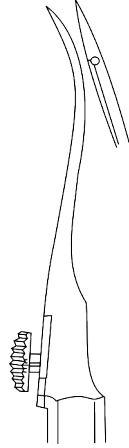


Reverdin  
14 cm / 5½"  
Short



**MWH-24-1000**

Fig. 1



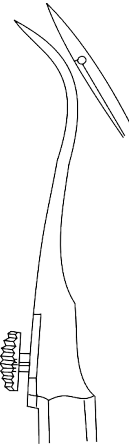
**MWH-24-1001**

Fig. 2



**MWH-24-1002**

Fig. 3

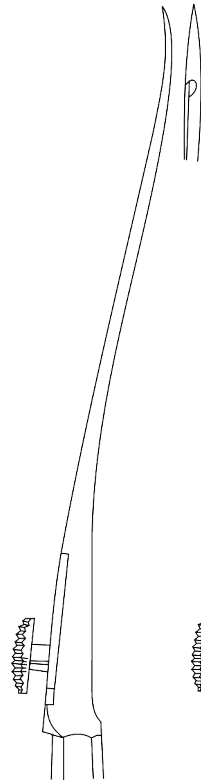


**MWH-24-1003**

Fig. 4



Reverdin



**MWH-24-1005**

**MWH-24-1009**

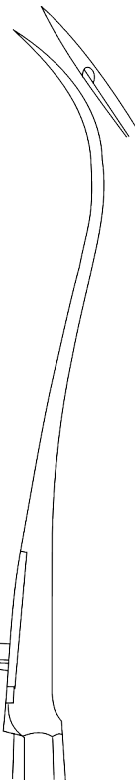
Fig. 1



**MWH-24-1006**

**MWH-24-1010**

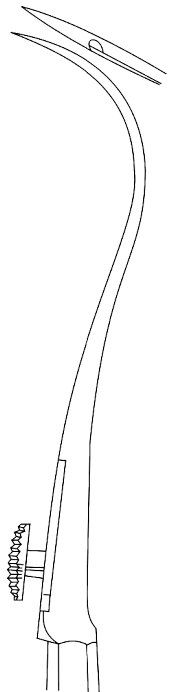
Fig. 2



**MWH-24-1007**

**MWH-24-1011**

Fig. 3



**MWH-24-1008**

**MWH-24-1012**

Fig. 4

19.5 cm / 7¾"

23 cm / 9"

# Sutures Needles

Maxillary Awls  
Uterkieferahlen  
Lenzas Mazilares

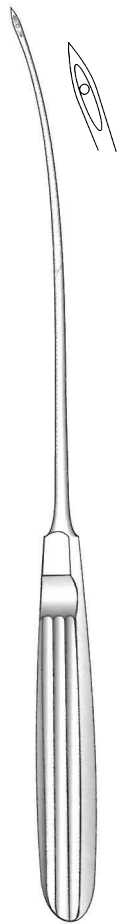
*M.W.Hartmann*



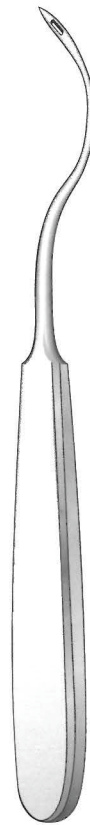
Obwegeser  
**MWH-24-1100**  
15 cm / 6"



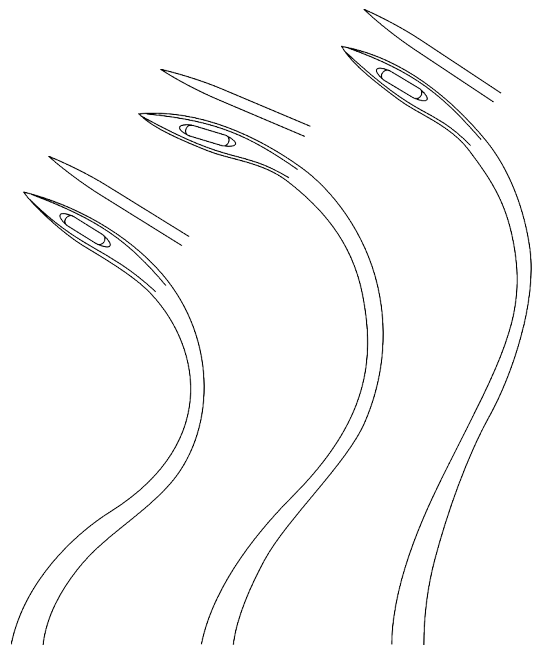
Obwegeser  
**MWH-24-1105**  
17.5 cm / 7"



Obwegeser  
**MWH-24-1110**  
24 cm / 9½"



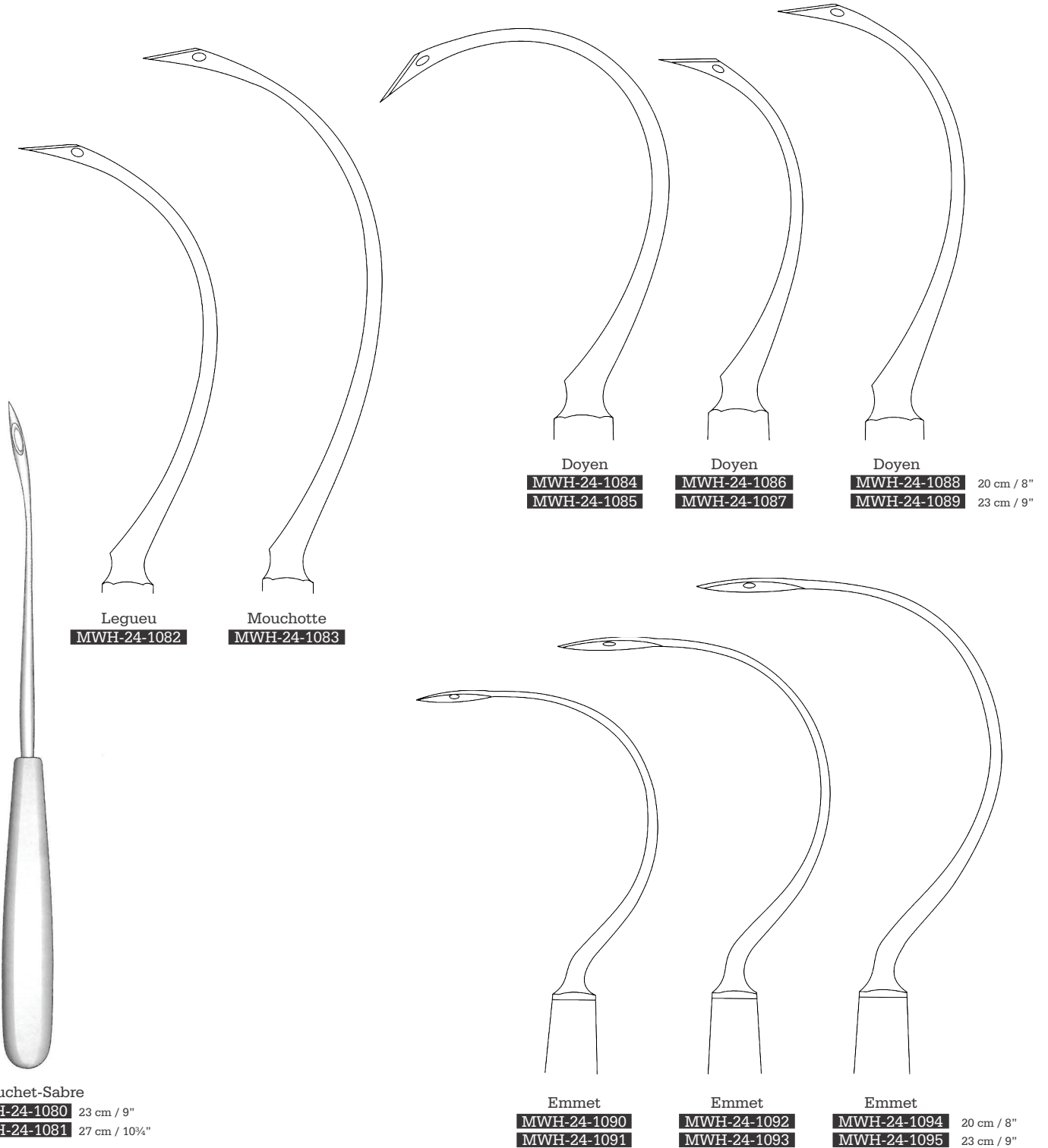
Tessier



**MWH-24-1120**  
20.5 cm / 8"

**MWH-24-1121**  
21 cm / 8¼"

**MWH-24-1122**  
21.5 cm / 8½"



## Sutures Needles

Clip Applying Forceps

Wundklammerpinzetten

pinzas aplicadores para agrafes

*M.W.Hartmann*



Michel  
**MWH-24-1055**  
12 cm / 4¾"



Michel  
**MWH-24-1056**  
12 cm / 4¾"  
1:2 Teeth



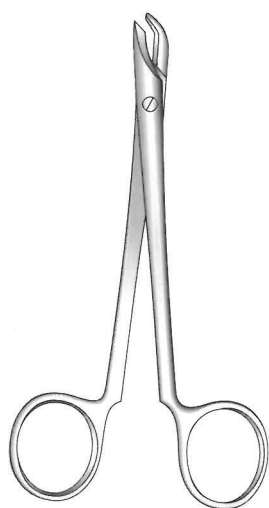
Wachenfeldt  
**MWH-24-1057**  
12.5 cm / 5"



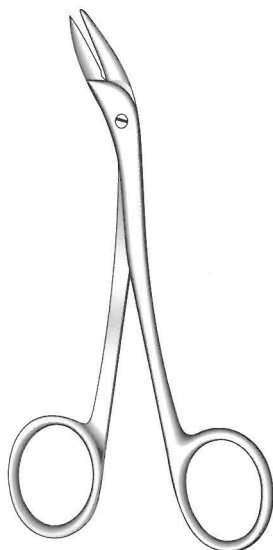
Hegenbarth  
**MWH-24-1058**  
12.5 cm / 5"



Wachenfeldt  
**MWH-24-1059**  
12.5 cm / 5"



Collin  
**MWH-24-1060**  
13 cm / 5"



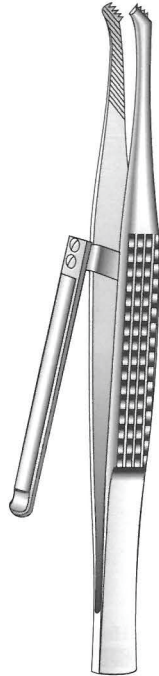
Richter-Heath  
**MWH-24-1061**  
14 cm / 5½"



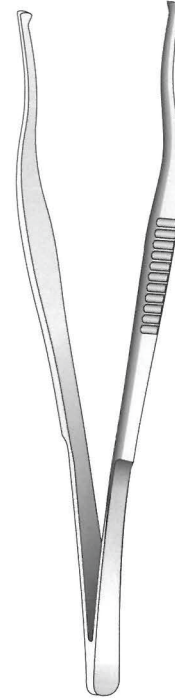
Michel  
**MWH-24-1062**  
12 cm / 4¾"



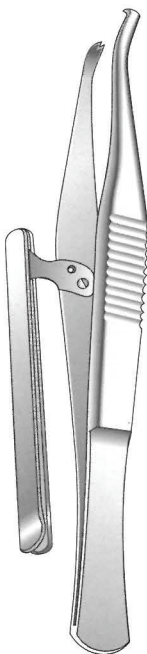
Mod. Michel  
**MWH-24-1063**  
12 cm / 4¾"



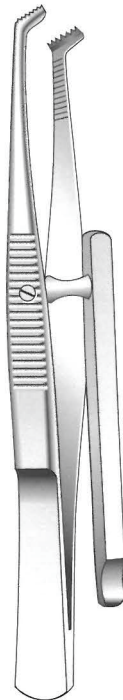
Childe  
**MWH-24-1064**  
18 cm / 7"



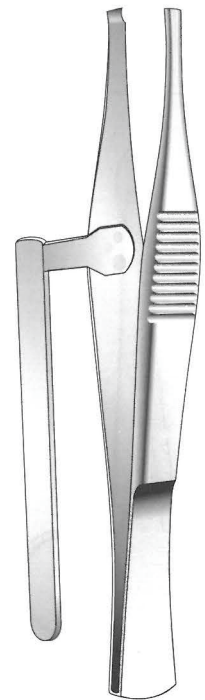
Michel  
**MWH-24-1072** 13 cm / 5"  
**MWH-24-1074** 16 cm / 6¼"



Pauchet  
**MWH-24-1066**  
16 cm / 6¼"



Martinaud  
**MWH-24-1068**  
14 cm / 5½"



Michel  
**MWH-24-1070**  
14 cm / 5½"

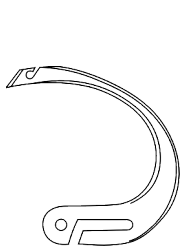
# Sutures Needles

Reverdin Needles

Revrdin-Nadeln

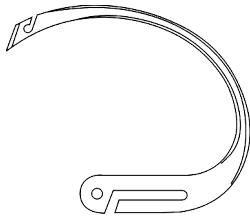
Aguj as de Reverdin

*M.W.Hartmann*



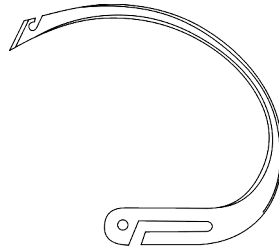
**MWH-24-1013**

Fig. 1



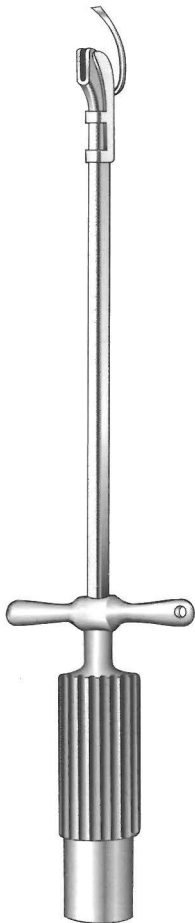
**MWH-24-1014**

Fig. 2



**MWH-24-1015**

Fig. 3



**Young-Hryntschank**

**MWH-24-1130**

24 cm / 9½"

Complete with 3 needle Fig. 1 - Fig. 3

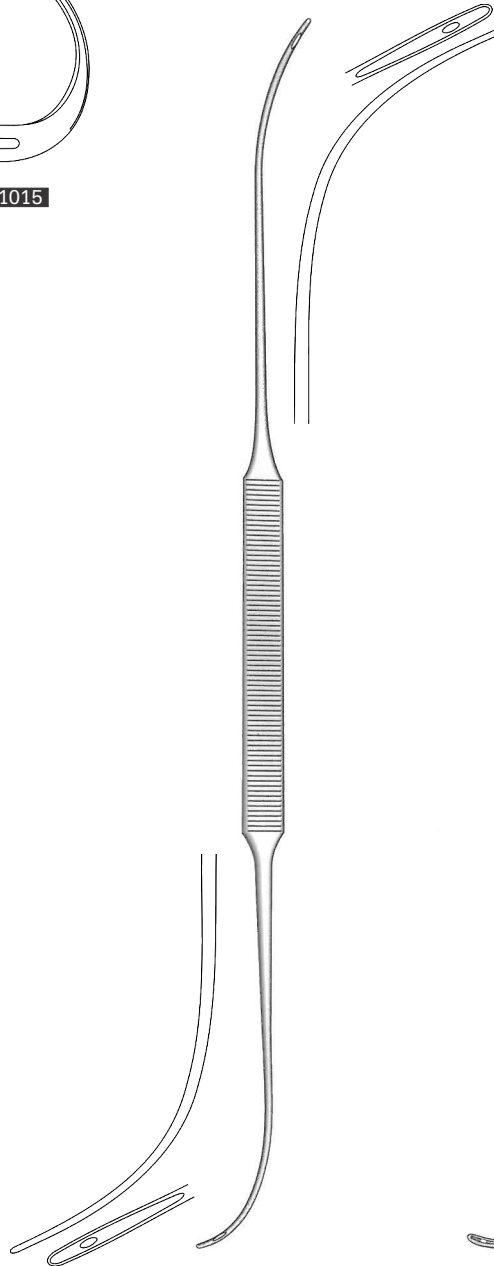


**Young-Millin**

**MWH-24-1016**

20 cm / 8"

Complete with 3 needle Fig. 1 - Fig. 3



**Schmieden-Dick**

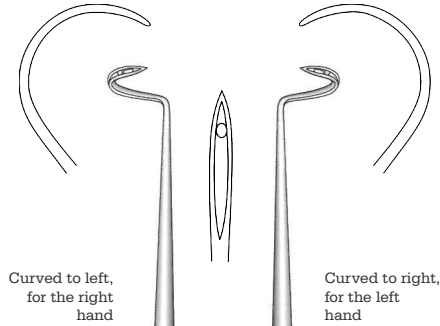
**MWH-24-1017**

30 cm / 12"

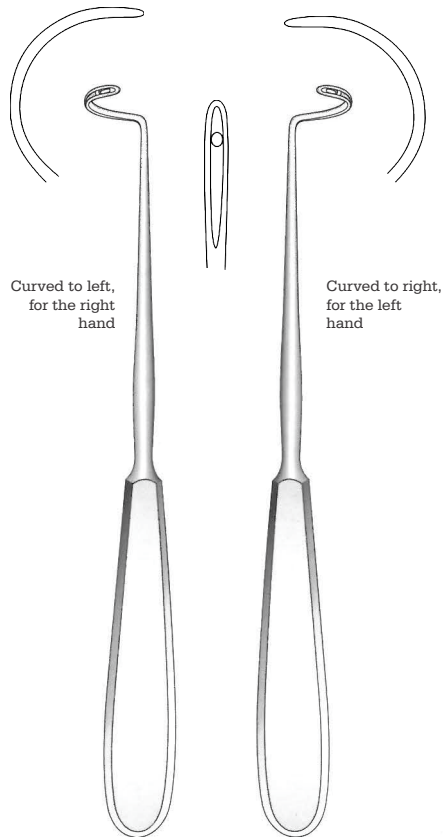
**Schmieden**

**MWH-24-1018**

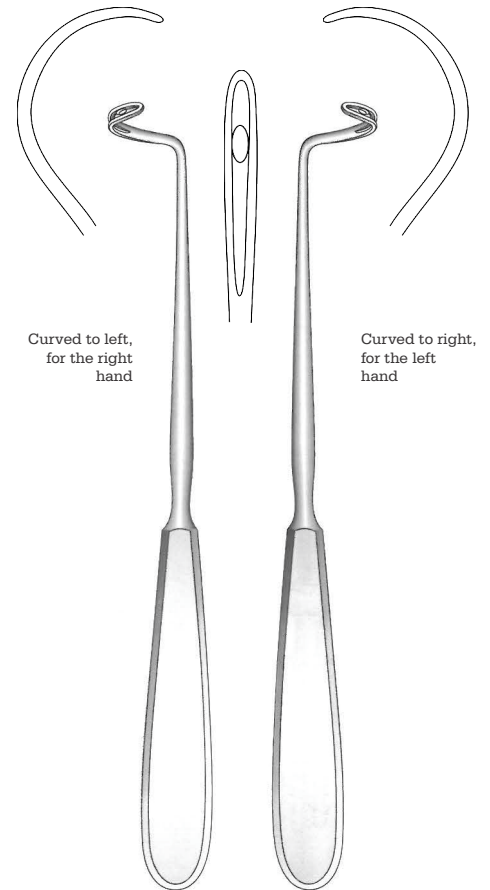
24 cm / 9½"



**Deschamps**  
**MWH-24-1021** Curved to left  
**MWH-24-1022** Curved to right  
 20 cm / 8"  
 Sharp

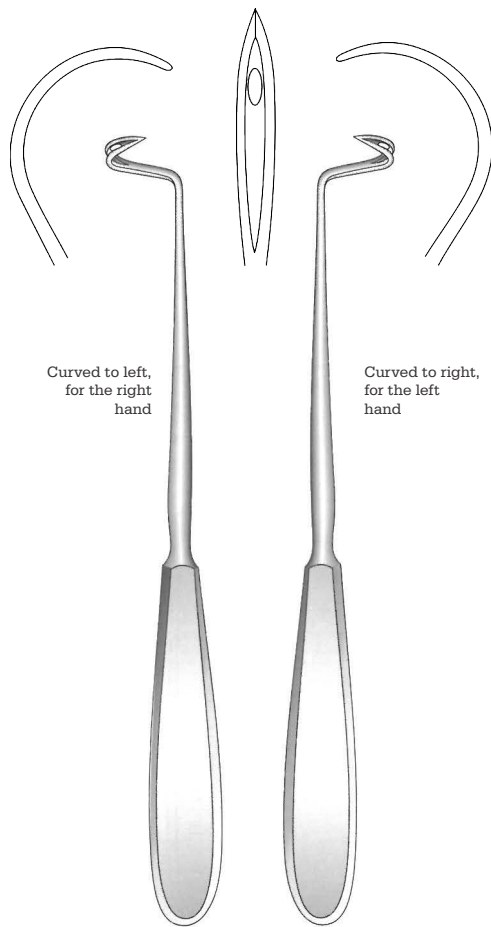


**Deschamps**  
**MWH-24-1019** Curved to left  
**MWH-24-1020** Curved to right  
 20 cm / 8"  
 Blunt



**Deschamps**  
**MWH-24-1023** Curved to left  
**MWH-24-1024** Curved to right  
 21 cm / 8¼"  
 Blunt





Curved to left,  
for the right  
hand

Curved to right,  
for the left  
hand

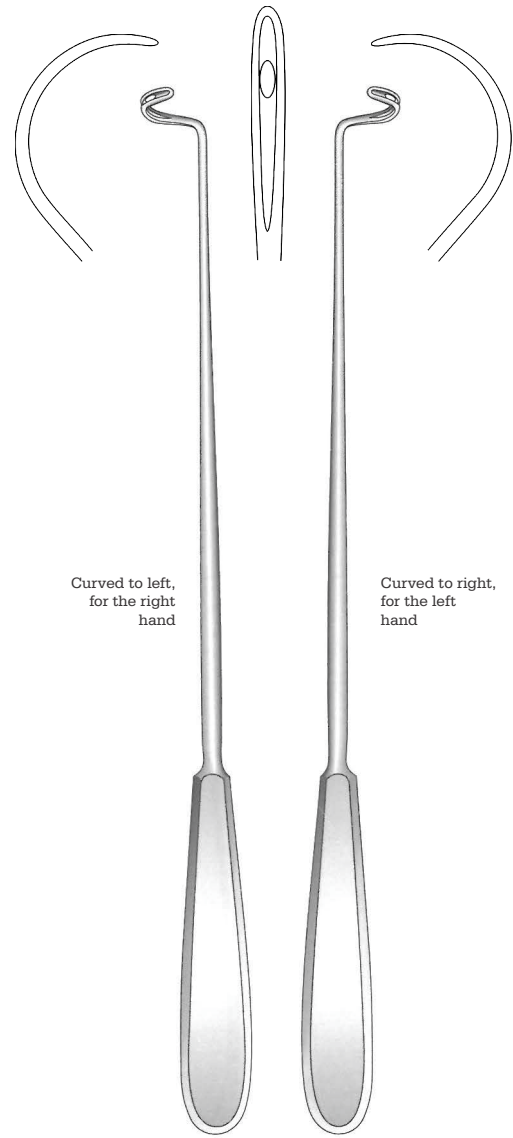
**Deschamps**

**MWH-24-1025** Curved to left

**MWH-24-1026** Curved to right

21 cm / 8¼"

Sharp



Curved to left,  
for the right  
hand

Curved to right,  
for the left  
hand

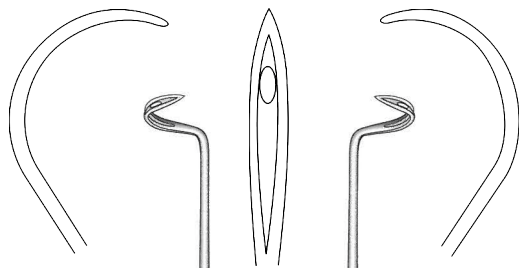
**Deschamps**

**MWH-24-1027** Curved to left

**MWH-24-1028** Curved to right

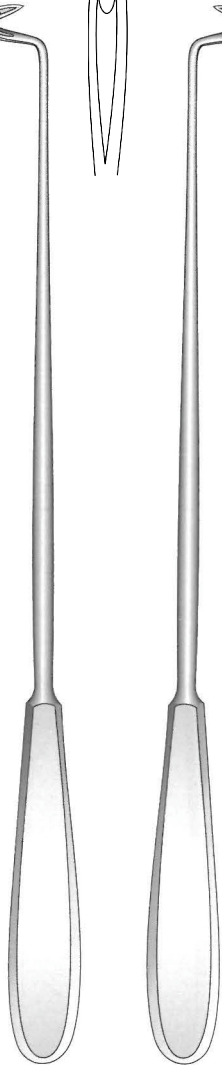
27 cm / 10½"

Blunt

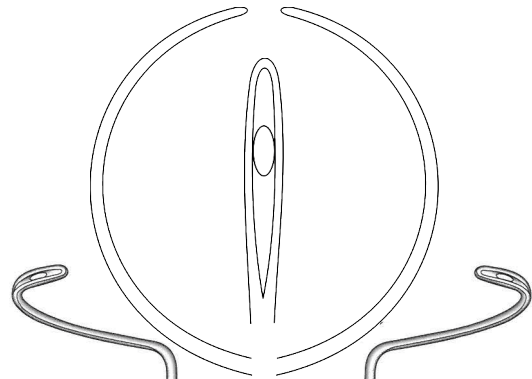


Curved to left,  
for the right  
hand

Curved to right,  
for the left  
hand

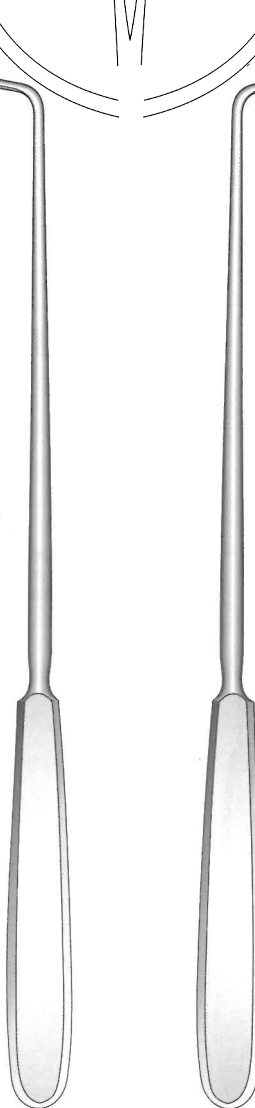


**Deschamps**  
**MWH-24-1029** Curved to left  
**MWH-24-1030** Curved to right  
27 cm / 10 1/2"  
Sharp

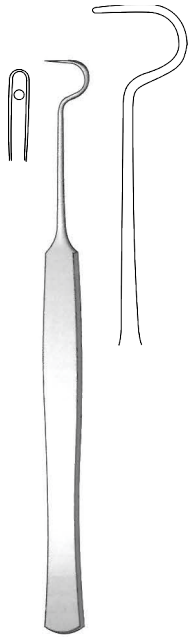


Curved to left,  
for the right  
hand

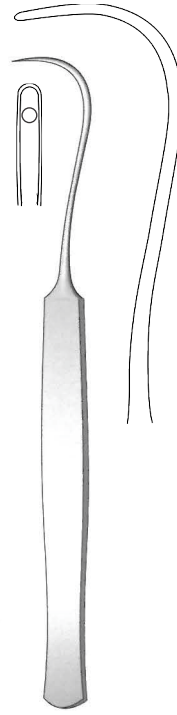
Curved to right,  
for the left  
hand



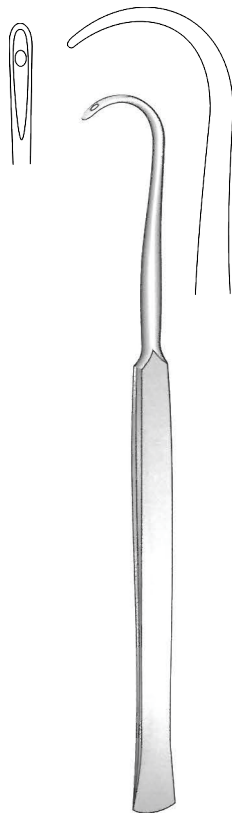
**Deschamps**  
**MWH-24-1031** Curved to left  
**MWH-24-1032** Curved to right  
28 cm / 11"  
Blunt



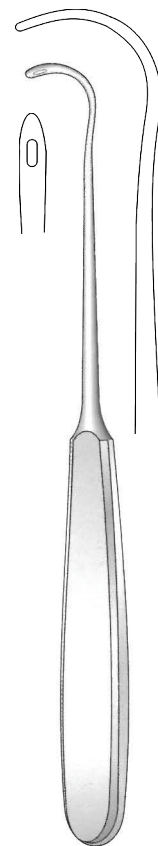
**MWH-24-1033**  
15 cm / 6"



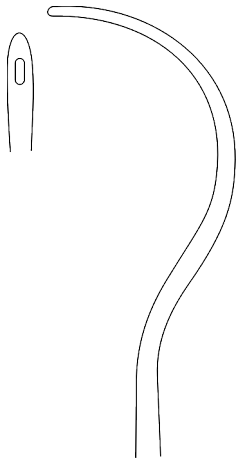
Syme  
**MWH-24-1034**  
17 cm / 6 3/4"



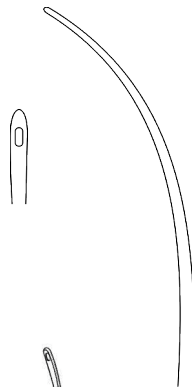
Cooper  
**MWH-24-1035**  
19 cm / 7 1/2"



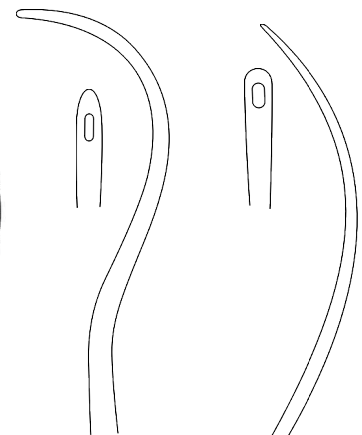
Cooper  
**MWH-24-1036**  
20.5 cm / 8"



**Kocher**  
**MWH-24-1037**  
20.5 cm / 8"



**Malleable**  
**MWH-24-1038**  
23 cm / 9"



**MWH-24-1039**  
Full curved

**MWH-24-1140**  
Half curved

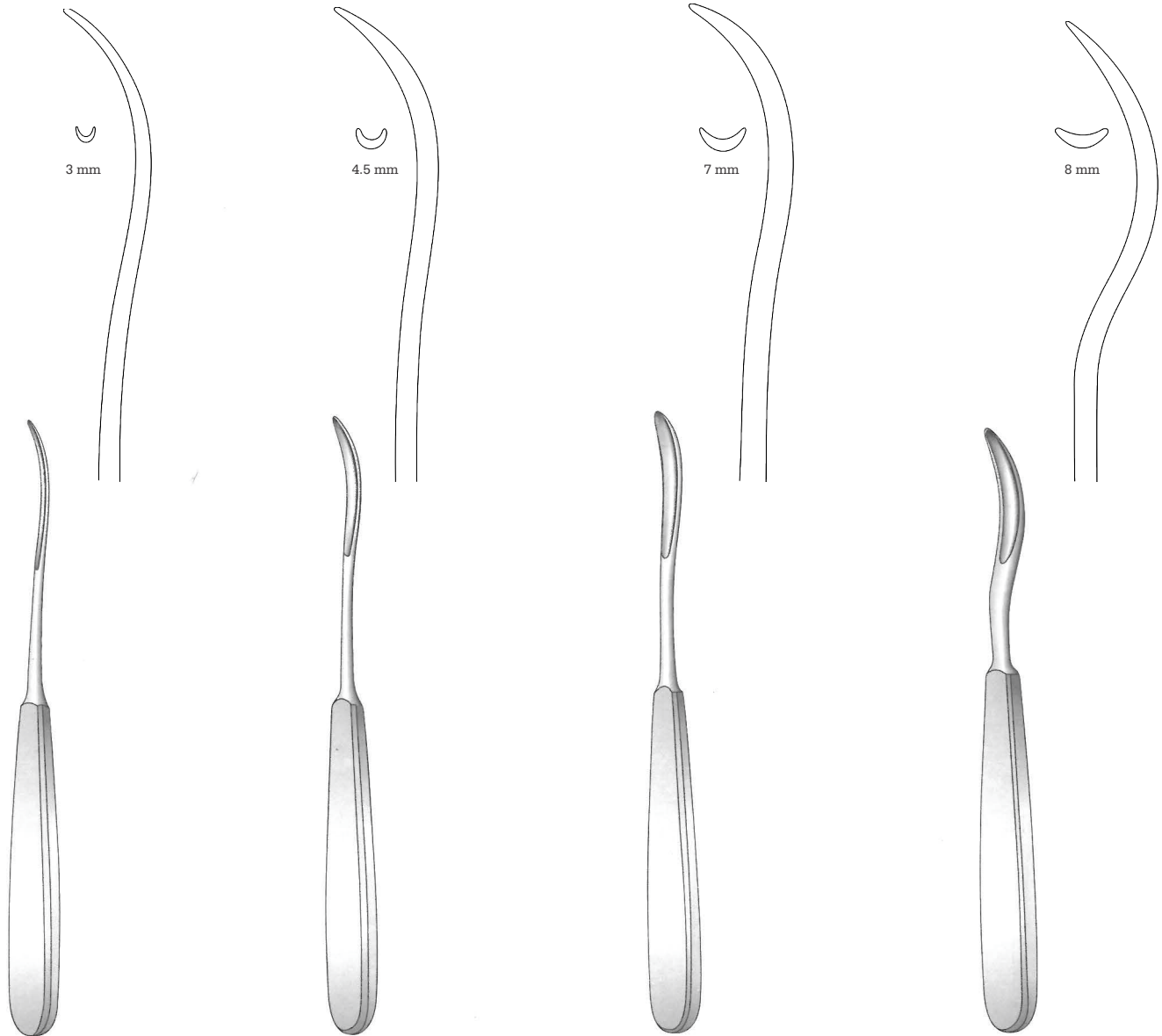


**Brunner**  
24 cm / 9½"

# Sutures Needles

Guiding Probes  
Führungsonden  
Sondas para guía

# M.W.Hartmann



3 mm

4.5 mm

7 mm

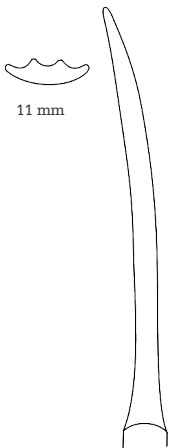
8 mm

**MWH-24-1040**  
20 cm / 8"

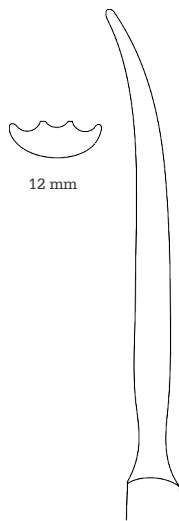
**Koenig**  
**MWH-24-1041**  
19.5 cm / 7½"

**Koenig**  
**MWH-24-1042**  
20 cm / 8"

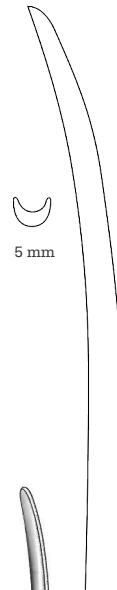
**Schmieden**  
**MWH-24-1043**  
18.5 cm / 7¼"



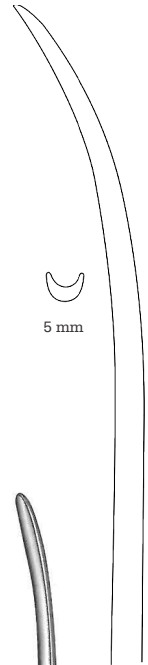
11 mm



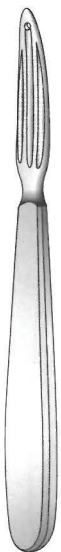
12 mm



5 mm



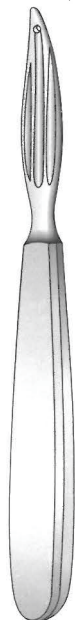
5 mm



Kocher

**MWH-24-1044**

15 cm / 6"



Kocher

**MWH-24-1045**

17 cm / 6 3/4"



Payr

**MWH-24-1046**

19.5 cm / 7 1/2"



Payr

**MWH-24-1047**

22.5 cm / 9"

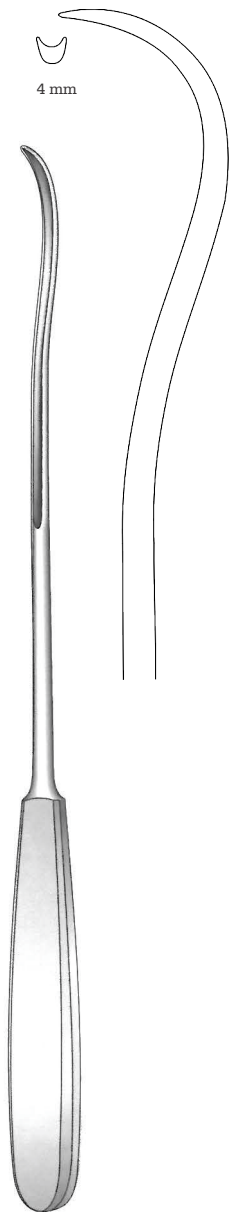
# Sutures Needles

Guiding Probes

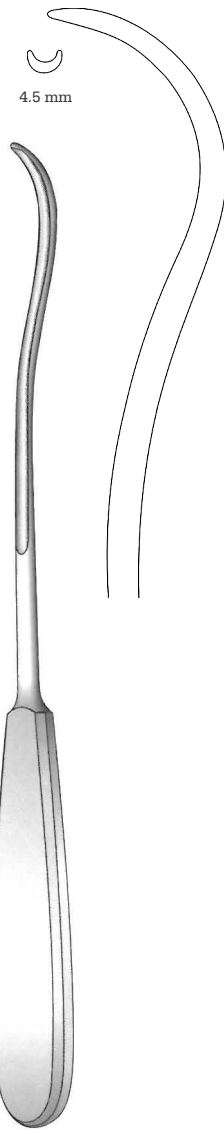
Fijhungsonden

Sondas para guia

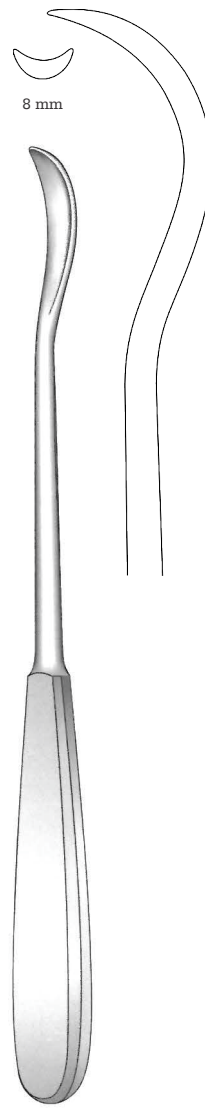
# M.W.Hartmann



**MWH-24-1048**  
28 cm / 11"



**Kirschner**  
**MWH-24-1049**  
25.5 cm / 10"



**Brunner**  
**MWH-24-1050**  
24.5 cm / 9 3/4"



**MWH-24-1051**  
24 cm / 9 1/2"



Mod. Wiener  
**MWH-24-1052**  
23.5 cm / 9¼"  
Suture Hook



**MWH-24-1053**  
23 cm / 9"  
Ligature catcher



Caspar  
**MWH-24-1054**  
23 cm / 9"  
Ligature adjuster