

Nasen- und Trachealhäkchen
Trachea and nose retractors

Ecarteurs nasales et trachéales
Separadores para la traquea y la nariz
Uncini tracheali e nasali



1:2

KILNER

150 mm - 6"

tk 48128-15



1:2

GILLIES



1:1

Fig. 1

180 mm - 7"

tk 48130-01



1:1

Fig. 2

tk 48130-02



1:2

LANGE

220 mm - 8³/₄"

tk 16901-22



1:2

COTTLE

160 mm - 6¹/₄"

tk 16902-16



1:2

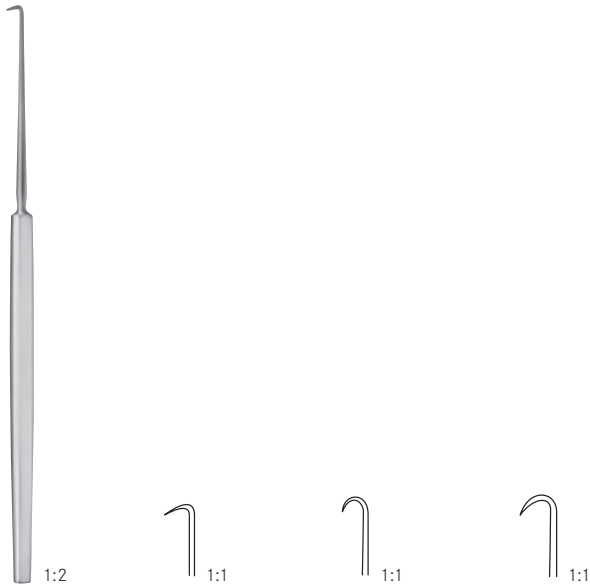
FOMON

170 mm - 6³/₄"

tk 16904-17

Nasen- und Trachealhäkchen
Trachea and nose retractors

Ecarteurs nasales et trachéales
Separadores para la traquea y la nariz
Uncini tracheali e nasali



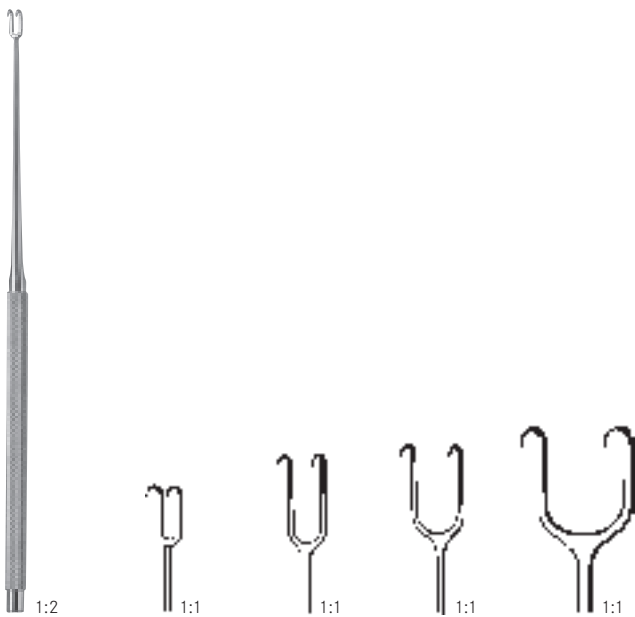
COTTLE

150 mm - 6"	tk 16905-01	tk 16905-02	tk 16905-03
-------------	--------------------	--------------------	--------------------



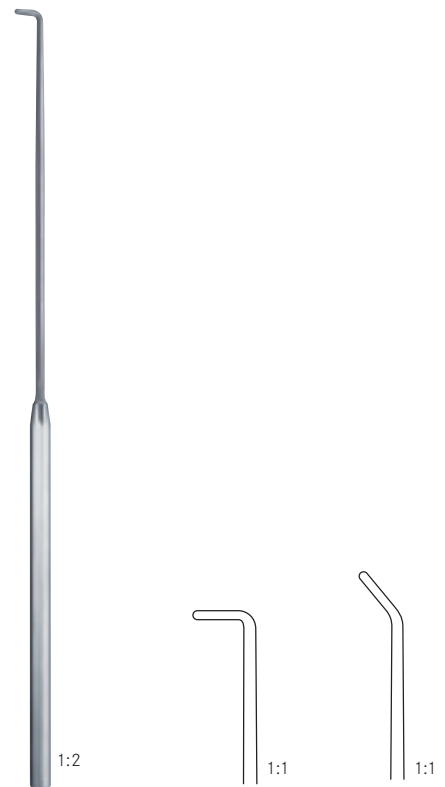
JOSEPH

150 mm - 6"	tk 16900-15
-------------	--------------------



JOSEPH

	2 mm	5 mm	7 mm	10 mm
160 mm - 6 1/4"	tk 16910-02	tk 16910-05	tk 16910-07	tk 16910-10

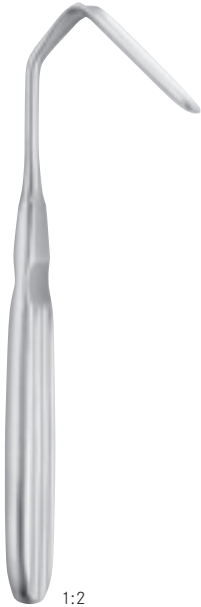


CRILE

	Fig. 1	Fig. 2
200 mm - 8"	tk 25308-01	tk 25308-02

Nasen- und Trachealhäkchen
Trachea and nose retractors

Ecarteurs nasales et trachéales
Separadores para la traquea y la nariz
Uncini tracheali e nasali



1:2
AUFRICHT
190 mm - 7½"

tk 16906-19



1:2
AUFRICHT
190 mm - 7½"

tk 16906-59



1:2
AUFRICHT
tk 17919-13

Nasenhaken
Nasal hook
Crochet pour le nez
Gancho para la nariz
Uncino nasale



1:2
CONVERSE
120 mm - 4¾"

tk 16908-12

Nasen- und Trachealhäkchen
Trachea and nose retractors

Ecarteurs nasales et trachéales
Separadores para la traquea y la nariz
 Uncini tracheali e nasali



1:2

KILNER

100 mm - 4"

tk 16907-10



1:2

MARTINEZ KILNER

110 mm - 4¼"

tk 16907-12



1:2

COTTLE

tk 17750-00

Daumenhaken
Thumb hook

Crochet pour le doigt
Gancho para el dedo

Uncino da fissare sul pollice

Nasen- und Trachealhäkchen
Trachea and nose retractors

Ecarteurs nasales et trachéales
Separadores para la traquea y la nariz
Uncini tracheali e nasali



**COTTLE-
NEIVERT**

200 mm - 8"

tk 16912-20

1:2



1:2

FOMON

160 mm - 6 1/4"

tk 16914-16



1:2

COTTLE

150 mm - 6"



1:1

tk 16915-01



1:1

tk 16915-02



1:1

tk 16915-03



1:2

NEIVERT

160 mm - 6 1/4"

tk 16916-16



1:2

COTTLE

150 mm - 6"

tk 16917-15



1:2

tk 16918-15



1:2

ITERSON

160 mm - 6 1/4"



1:1

tk 16920-16



1:1

tk 16922-16

Trachealhäkchen
Trachea retractors

Ecarteurs nasales et trachéales
Separadores para la traquea
Uncini tracheali



1:2

JACKSON

150 mm - 6"

tk 16930-15



1:2

LUKENS

170 mm - 6²/₃"

tk 16933-17



1:2

JACKSON

170 mm - 6²/₃"

tk 16935-17



1:2



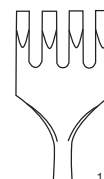
1:1



1:1



1:1



1:1

160 mm - 6¹/₄"

tk 17001-16

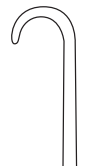
tk 17002-16

tk 17003-16

tk 17004-16

scharf
sharp

pointu
agudo
acuto



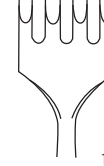
1:1



1:1



1:1



1:1

160 mm - 6¹/₄"

tk 17011-16

tk 17012-16

tk 17013-16

tk 17014-16

stumpf
blunt

mousse
romo
smusso

Trachealhäkchen
Trachea retractors

Ecarteurs trachéales
Separadores para la traquea
Uncini tracheali



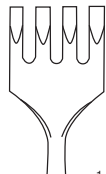
1:2



1:1



1:1



1:1

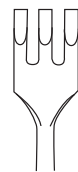
160 mm - 6 1/4"	tk 17021-16	tk 17022-16	tk 17024-16
-----------------	--------------------	--------------------	--------------------

flexibel, scharf
flexible, sharp

flexible, pointu
flexible, agudo
flessibile, acuto



1:1



1:1



1:1

160 mm - 6 1/4"	tk 17031-16	tk 17032-16	tk 17034-16
-----------------	--------------------	--------------------	--------------------

flexibel, stumpf
flexible, blunt

flexible, mousse
flexible, romo
flessibile, smusso



1:1



1:1



1:1



1:1

DESMARRES

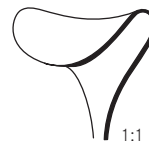
	x = 8 mm	x = 10 mm	x = 12 mm
160 mm - 6 1/4"	tk 17038-08	tk 17038-10	tk 17038-12



1:1



1:1



1:1

	x = 14 mm	x = 16 mm	x = 18 mm
160 mm - 6 1/4"	tk 17038-14	tk 17038-16	tk 17038-18



1:2



1:1

KNAPP
(ROLLET)

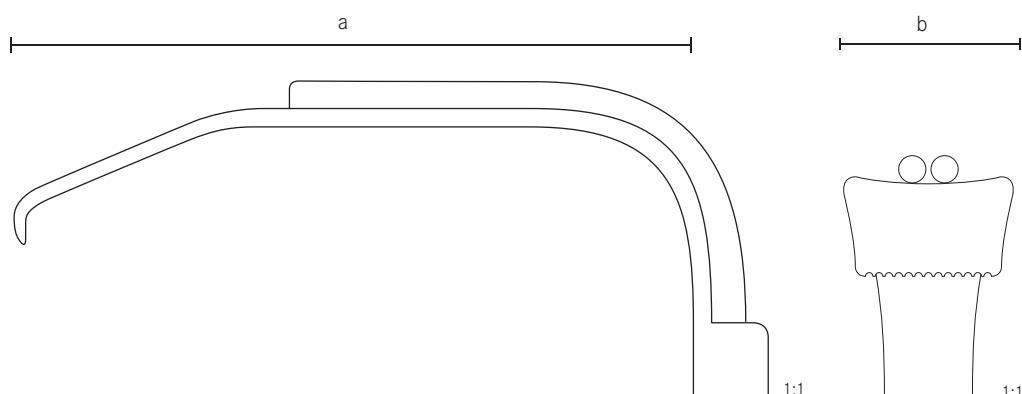
160 mm - 6 1/4"
tk 17025-16

flexibel, scharf
flexible, sharp

flexible, pointu
flexible, agudo
flessibile, acuto

Brust Dissektoren
Mamaplasty retractors

Ecarteurs mammaires
Separadores mamarias
Divaricatori per seno



a	b	185 mm - 7/4"	185 mm - 7/4"
90 mm	24 mm	tk 17217-01	tk 17217-06
115 mm	24 mm	tk 17217-02	tk 17217-07
150 mm	25 mm	tk 17217-05	tk 17217-08
150 mm	36 mm	tk 17217-03	tk 17217-09
190 mm	30 mm	tk 17217-04	tk 17217-10

gezahnt und Kaltlichtbeleuchtung
toothed with fiber optic illumination

dentelée avec illumination à lumière froide
dentada con iluminación de luz fría
dentata con illuminazione a luce fredda

mit Spülrohr
with irrigation tube

avec tube de lavage
con tubo lavador
con tubo di lavaggio

ohne Spülrohr
without irrigation tube

sans tube de lavage
sin tubo lavador
senza tubo di lavaggio

a	b	185 mm - 7/4"	185 mm - 7/4"
90 mm	24 mm	tk 17217-21	tk 17217-26
115 mm	24 mm	tk 17217-22	tk 17217-27
150 mm	25 mm	tk 17217-25	tk 17217-28
150 mm	36 mm	tk 17217-23	tk 17217-29
190 mm	30 mm	tk 17217-24	tk 17217-30

ohne Zähne mit Kaltlichtbeleuchtung
non-toothed with fiber optic illumination

sans denture avec illumination à lumière froide
sin dentada con iluminación de luz fría
no dentata con illuminazione a luce fredda

mit Spülrohr
with irrigation tube

avec tube de lavage
con tubo lavador
con tubo di lavaggio

ohne Spülrohr
without irrigation tube

sans tube de lavage
sin tubo lavador
senza tubo di lavaggio

Brust Dissektoren
Mamaplasty retractors

Ecarteurs mammaires
Separadores mamarias
Divaricatori per seno



1:2

FERREIRA

a	b	185 mm - 7/4"	
90 mm	24 mm	tk 17219-01	tk 17219-06
115 mm	24 mm	tk 17219-02	tk 17219-07
150 mm	25 mm	tk 17219-03	tk 17219-08
150 mm	36 mm	tk 17219-04	tk 17219-09
190 mm	30 mm	tk 17219-05	tk 17219-10

Wundhaken
Retractors

Ecarteurs
Retradores
Divaricatori

ohne Zahnung
non-toothed

sans denture
sin dentada
no dentata

Gezahnt
toothed

denture
dentada
dentata

MACCOLLUM - DINGMAN

315 mm - 12½"

tk 16903-30

Brust Dissektoren
Mamaplasty retractors

Ecarteurs mammaires
Separadores mamarias
Divaricatori per seno



330 mm - 13"	tk 17156-08	tk 17156-10	tk 17156-12
420 mm - 16½"	tk 17156-09	tk 17156-11	tk 17156-13
abgewinkelt <i>angled</i>	starr <i>rigid</i>	biegsam <i>malleable</i>	Schaft isoliert <i>Shaft insulated</i>
angulé <i>angulado</i>	rigide <i>rigido</i>	maléable <i>maleable</i>	Tige isolée <i>Tija aislada</i>
angolato	rigido	flessibile	Asta isolata



330 mm - 13"	tk 17156-01	tk 17156-03	tk 17156-05
420 mm - 16½"	tk 17156-02	tk 17156-04	tk 17156-06
	starr <i>rigid</i>	biegsam <i>malleable</i>	Schaft isoliert <i>Shaft insulated</i>
	rigide <i>rigido</i>	maléable <i>maleable</i>	Tige isolée <i>Tija aislada</i>
	rigido	flessibile	Asta isolata



	x = 25 mm	x = 33 mm
315 mm - 12½"	tk 17156-20	tk 17156-21

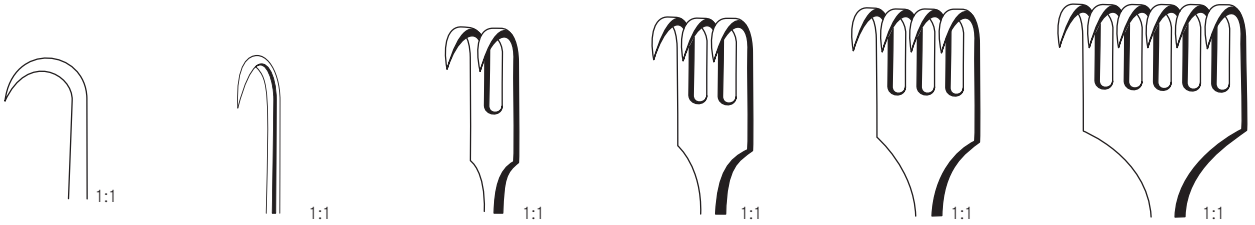
halbstarr
semi rigid
semi rigide
semi rigido
semi rigido

Wundhaken
Retractors

Ecarteurs
Separadores
Divaricatori



1:2

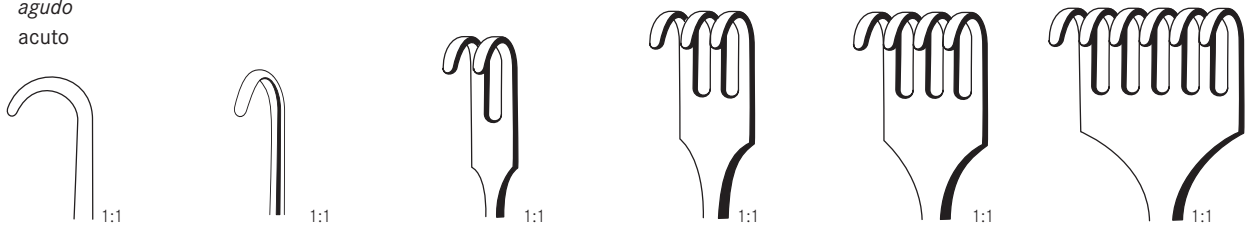


VOLKMANN

215 mm - 8½"	tk 17061-21	tk 17062-21	tk 17063-21	tk 17064-21	tk 17066-21
--------------	--------------------	--------------------	--------------------	--------------------	--------------------

scharf
sharp

pointu
agudo
acuto



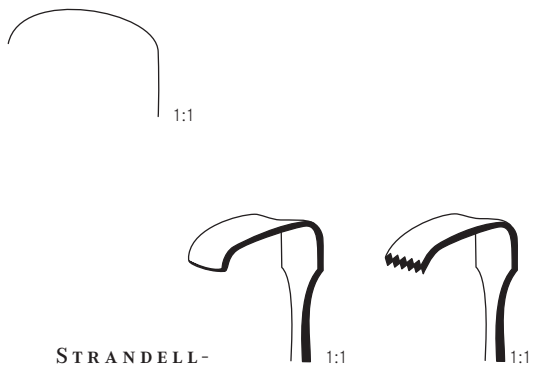
215 mm - 8½"	tk 17071-21	tk 17072-21	tk 17073-21	tk 17074-21	tk 17076-21
--------------	--------------------	--------------------	--------------------	--------------------	--------------------

stumpf
blunt

mousse
romo
smusso



1:2



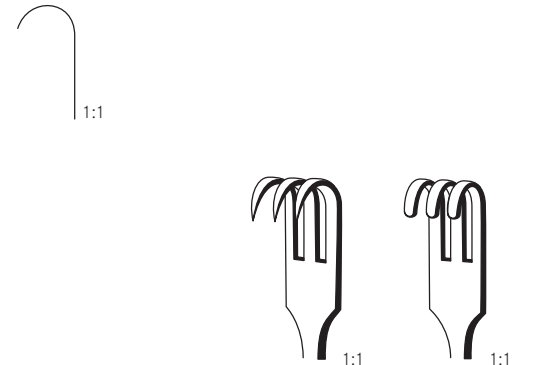
STRANDELL-STILLE

	Fig. 1	Fig. 2
190 mm - 7½"	tk 17079-01	tk 17079-02

gezahnt
saw edge
dentelé
dentado
dentato



1:2



SENN-MUELLER

160 mm - 6¼"	tk 17080-16	tk 17081-16
--------------	--------------------	--------------------

scharf
sharp
pointu
agudo
acuto

stumpf
blunt
mousse
romo
smusso

Wundhaken - Wundspreizer
Retractors - Wound spreaders, self-retaining

Ecarteurs - Ecarteurs autostatiques
Separadores - Separadores autoestáticos
Divaricatori - Divaricatori autostatici



1:2



1:1



1:1

MEYERDING

	18 mm x 7 mm	10 mm x 3 mm
180 mm - 7"	tk 17090-18	tk 17091-18



1:1



1:1

	16 mm x 5 mm	7 mm x 4 mm
180 mm - 7"	tk 17092-18	tk 17093-18



1:1



1:1

	10 mm x 4 mm	7 mm x 4 mm
180 mm - 7"	tk 17094-18	tk 17095-18



1:1

8 mm x 4 mm

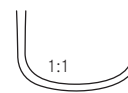
RAGNELL-DAVIS

140 mm - 5½"

tk 17084-14

1:2

15 mm x 5,5 mm



1:1



1:2

ALM

	4 x 4	4 x 4	4 x 4
70 mm - 2¾"	tk 17330-07	tk 17330-17	tk 17331-07
100 mm - 4"	tk 17330-10	tk 17330-20	tk 17331-10

scharf

sharp

pointu

agudo

acuto

halbscharf

semi sharp

semi pointu

semi agudo

semi acuto

stumpf

blunt

mousse

romo

smusso



1:2

HOLTZHEIMER

	4 x 4	4 x 4
100 mm - 4"	tk 17336-10	tk 17337-10

scharf

sharp

pointu

agudo

acuto

stumpf

blunt

mousse

romo

smusso

Wundhaken
Retractors

Ecarteurs
Separadores
Divaricatori



1:1

FREEMAN

	x = 22 mm
100 mm - 4"	tk 17147-09

scharf
sharp
pointu
agudo
acuto



1:1

FREEMAN

	x = 38 mm
100 mm - 4"	tk 17147-10

scharf
sharp
pointu
agudo
acuto



1:1

GORNEY

	x = 38 mm
75 mm - 3"	tk 17148-38

scharf
sharp
pointu
agudo
acuto

Wundhaken | Ecarteurs
 Retractors | Separadores
 Divaricatori



1:2



1:1



1:1

FREEMAN

	x = 22 mm	x = 38 mm
180 mm - 7"	tk 17147-22	tk 17147-38

scharf
 sharp
 pointu
 agudo
 acuto

Wundhaken
Retractors

Ecarteurs
Separadores
Divaricatori



YANCOSKIE

	x = 150 mm
180 mm - 7"	tk 17144-15

scharf
sharp
pointu
agudo
acuto

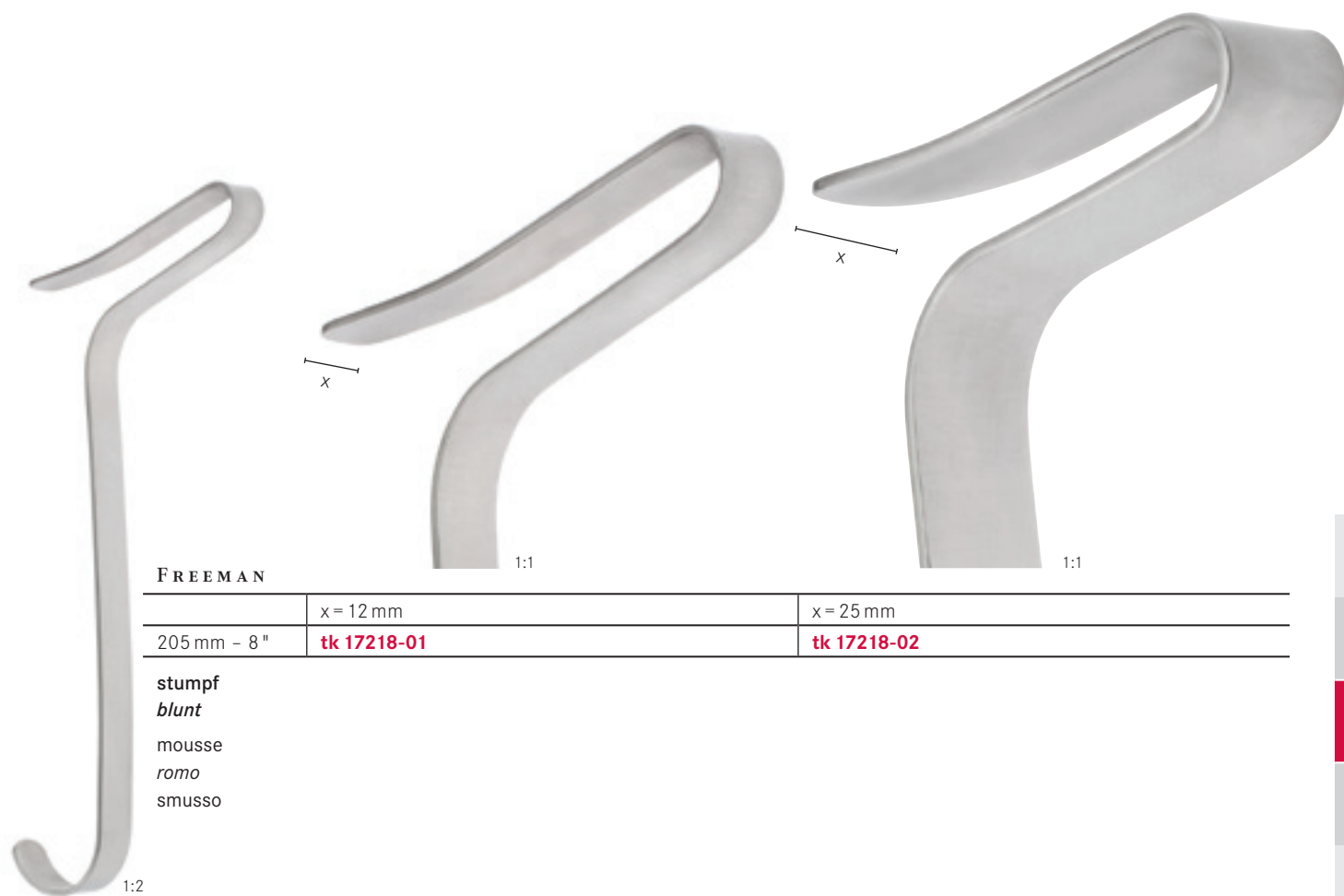


CORONAL LIFT

	x = 70 mm
180 mm - 7"	tk 17145-18

scharf
sharp
pointu
agudo
acuto

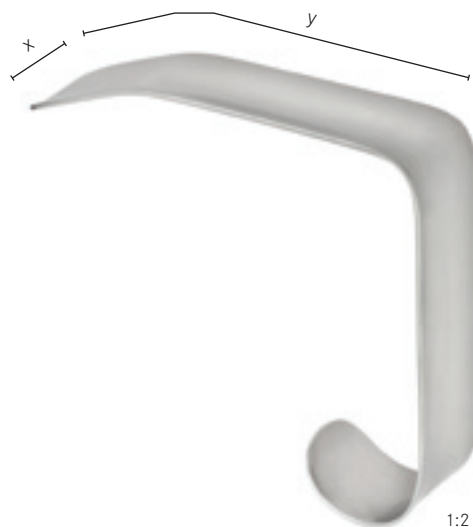
Wundhaken | Ecarteurs
 Retractors | Separadores
 Divaricatori



FREEMAN

	x = 12 mm	x = 25 mm
205 mm - 8"	tk 17218-01	tk 17218-02

stumpf
 blunt
 mousse
 romo
 smusso



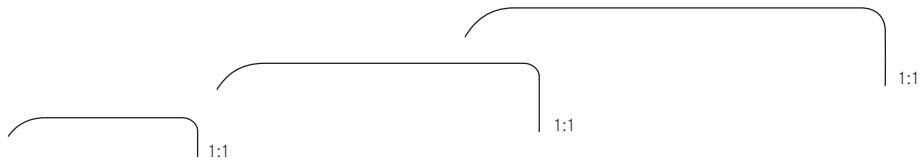
FERREIRA

	x = 23 mm / y = 120 mm
100 mm - 4"	tk 17218-03

stumpf
 blunt
 mousse
 romo
 smusso

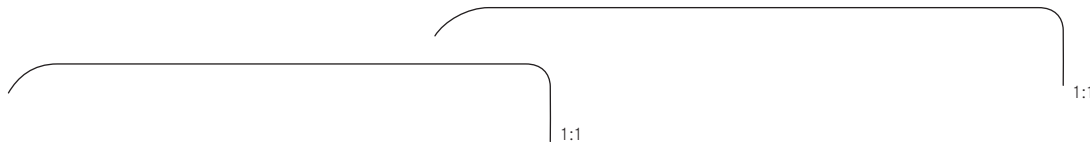
Weichteilhaken für die Kieferchirurgie
Soft tissue retractors for maxillo-facial surgery

Ecarteurs pour la chirurgie maxillo-faciale
Ganchos para cirugía maxilofacial
Uncini per chirurgia massilofaciale



OBWEGESER

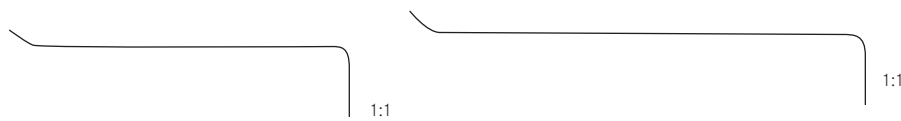
	7 mm x 25 mm	10 mm x 42 mm	12 mm x 55 mm
215 mm - 8½"	tk 17114-01	tk 17114-05	tk 17114-06



	14 mm x 70 mm	16 mm x 80 mm
215 mm - 8½"	tk 17114-07	tk 17114-09



1:3

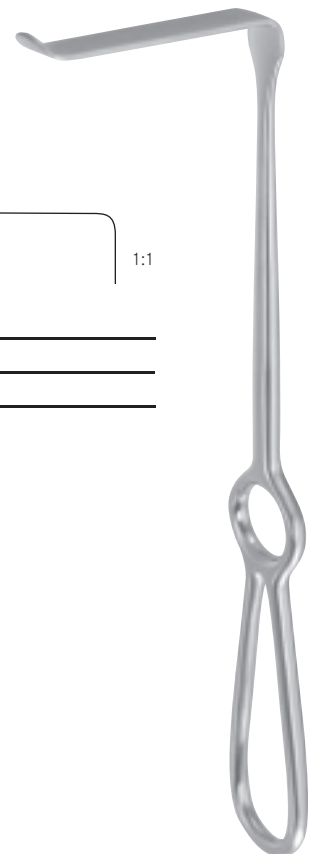


OBWEGESER

	13 mm x 42 mm	12 mm x 60 mm
220 mm - 8¾"	tk 52715-01	tk 52715-02



	16 mm x 80 mm
220 mm - 8¾"	tk 52715-03



1:2

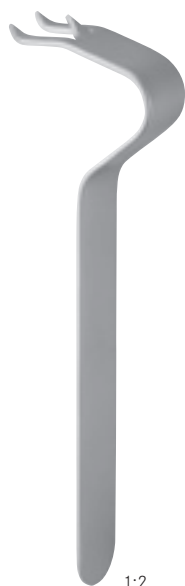
Weichteilhaken für die Kieferchirurgie
Soft tissue retractors for maxillo-facial surgery

Ecarteurs pour la chirurgie maxillo-faciale
Ganchos para cirugía maxilofacial
 Uncini per chirurgia massilofaciale



1:2

OBWEGESER		
	44 mm x 9,5 mm	70 mm x 11,5 mm
220 mm - 8 ³ / ₄ "	tk 52717-22	tk 52719-22



1:2

OBWEGESER	
155 mm - 6"	tk 52723-16



1:2

OBWEGESER		
	8 mm	10 mm
160 mm - 6 ¹ / ₄ "	tk 52725-08	tk 52725-10

biegsam
malleable
 malléable
 flexible
 flessibile

Wundhaken - Wundsperrer
Retractors - Wound spreaders, self-retaining

Ecarteurs - Ecarteurs autostatiques
Separadores - Separadores autoestáticos
 Divaricatori - Divaricatori autostatici



1:2

WEITLANER-LOKTITE

105 mm - 4 $\frac{1}{4}$ "	tk 17400-10	tk 17400-20	tk 17401-10
scharf	halbscharf	stumpf	
<i>sharp</i>	<i>semi sharp</i>	<i>blunt</i>	
pointu	semi pointu	mousse	
<i>agudo</i>	<i>semi agudo</i>	<i>romo</i>	
acuto	semi acuto	smusso	



WEITLANER-LOKTITE

130 mm - 5"	tk 17402-13	tk 17402-23	tk 17403-13
165 mm - 6 $\frac{1}{2}$ "	tk 17402-16	tk 17402-26	tk 17403-16
200 mm - 8"	tk 17404-20	tk 17404-30	tk 17405-20
260 mm - 10 $\frac{1}{4}$ "	tk 17404-26	tk 17404-36	tk 17405-26
scharf	halbscharf	stumpf	
<i>sharp</i>	<i>semi sharp</i>	<i>blunt</i>	
pointu	semi pointu	mousse	
<i>agudo</i>	<i>semi agudo</i>	<i>romo</i>	
acuto	semi acuto	smusso	

Wundhaken - Wundsperrer
Retractors - Wound spreaders, self-retaining

Ecarteurs - Ecarteurs autostatiques
 Separadores - Separadores autoestáticos
 Divaricatori - Divaricatori autostatici



WULLSTEIN

100 mm - 4"	tk 17408-01	tk 17408-02
-------------	--------------------	--------------------



BELUCCI

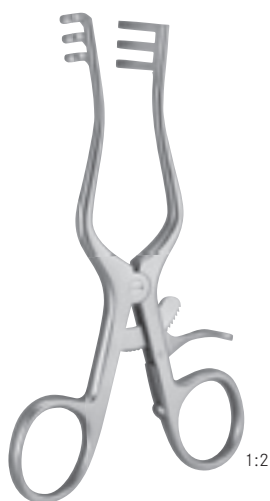
110 mm - 4 1/4"	tk 17410-11	tk 17411-11
130 mm - 5"	tk 17410-13	tk 17411-13

links, stumpf
 left, blunt

gauche, mousse
 izquierda, romo
 sinistra, smusso

rechts, stumpf
 right, blunt

droit, mousse
 derecha, romo
 destra, smusso



MILIGAN

130 mm - 5"	tk 17409-13
-------------	--------------------

stumpf
 blunt
 mousse
 romo
 smusso



TRAVERS

205 mm - 8 1/2"	tk 17412-20
-----------------	--------------------

stumpf
 blunt
 mousse
 romo
 smusso