

# SQ.line

## Технические характеристики

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# AESCULAP® SQ.line®

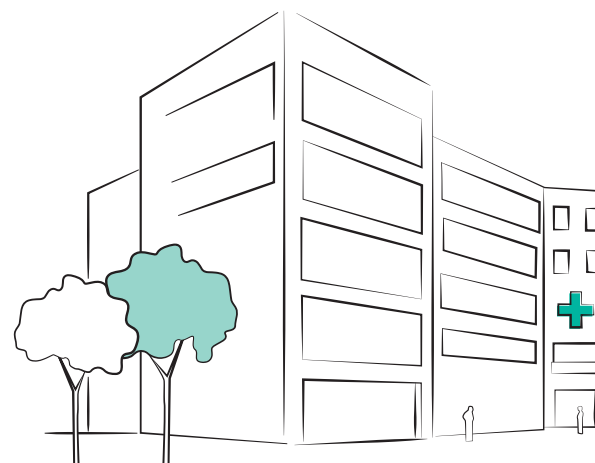
OUR MOTIVATION | YOUR SOLUTION

## WORK ERGONOMICALLY?

My muscles are tired after working all day in the physically demanding orthopedic theaters.

## ➤ THEN WORK ERGONOMICALLY!

The new SQ.line® instruments allow me to work ergonomically. Pressure points and joint stress are thus reduced.



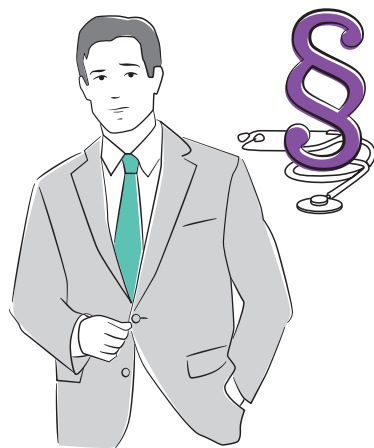
## COMPLEX REPROCESSING?

Instruments with non-observable joints, narrow gaps and instruments made from different materials increase the complexity of my work – the Reprocessing.

## ➤ NOT ANYMORE!

Instruments now has to be less manually pre-cleaned. Careful cleaning of the SQ.line® instruments is more simplified and effective.



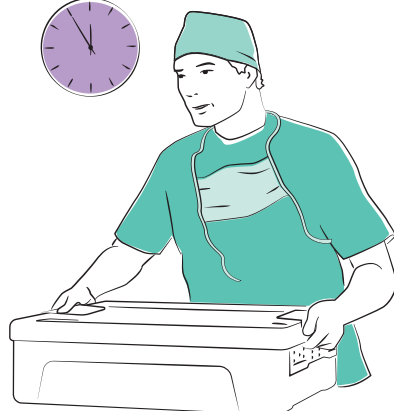


## BAD PRESS?

Postoperative wound infections contradict the mission statement of our clinic, which promises a high-quality patient care.

## ➤ NO THANKS!

Our efforts to reduce postoperative wound infections can be supported by SQ.line® instruments. Because the welfare and the satisfaction of our patients stand at the highest level.



## TIME PRESSURE?

Inadequately reprocessed instruments can lead to delays and increase stress in the theatre department.

## ➤ RELAXED PROCEDURES!

Our efforts to ensure that the surgical procedure runs smoothly can be supported by SQ.line® instruments.

## ERGONOMIC WORKING

### ➤ FEEL THE GRIP

The unique design provides 70% more grip in comparison to previous products due to shape, material, edges and texture.

**The result: less force to achieve a safe grip during use.**

### ➤ DESIGN MAKES THE DIFFERENCE

Ergonomically designed instruments reduce pressure points and joint stress, so that the risk of related injuries is minimized.



Mallet AESFULAP®\*

\* Measurement of the surface pressure distribution with a pressure measuring foil.



reddot design award  
winner 2019



PATENT  
pending

### FINE TUNING

One-piece spring mechanism means there is no risk of screws loosening or accidental opening of the spring during use.

### FEEL COMFORTABLE

25% less force is needed to cut through wires compared to previous products, as a result of optimised power transmission of the wire cutting forceps.

### EVERYTHING IN BALANCE

User-friendly weight and balance for smoother handling of the instrument.

# AESCULAP® SQ.line®

BASIC ORTHOPAEDIC INSTRUMENTS

## EASY REPROCESSING

### ➤ EASIER VISUAL INSPECTION

>50% reduction in difficult-to-inspect areas means visual inspection is faster and easier.\*

### ➤ REPAIR MADE EASY

Interchangeable jaws open up more possibilities for repair, which could reduce the number of repair replacement procurements, and could therefore also reduce the costs.

### ➤ SAVE TIME

Manual pre-cleaning steps can be eliminated with fully machine-cleanable instruments, resulting in time savings up to 12 minutes in handling time.

### ➤ BE SAFE

The limit of protein residues is reached at an earlier stage during cleaning and disinfection compared to current instrument designs. Probability of reprocessing rework is reduced.



\* A SQ.line® bone rongeur was compared with the previous product.



➤ **100% STAINLESS STEEL**

All instruments are made entirely from stainless steel. Without critical interfaces to other materials they are less vulnerable and easier to clean.





# SO\_line

## CONTENT

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■ Weight refers to the head weight of the respective mallet



**FL046211**  
Spare disc,  
diam. 30 mm  
metal convex



**FL046212**  
Spare disc,  
diam. 30 mm  
plastic convex



**FL046213**  
Spare disc,  
diam. 30 mm  
metal flat



**FL046214**  
Spare disc,  
diam. 30 mm  
plastic flat



**FL046NR** 330 g  
complete with:  
FL046211 Spare disc metal convex  
FL046212 Spare disc plastic convex  
FL062206 Wrench  
235 mm, 9 1/4"



**FL057NR** 380 g  
240 mm, 9 1/2"



**FL066NR** 580 g  
245 mm, 9 5/8"

▪ Weight refers to the head weight of the respective mallet



1/2

**FL062211**

Spare disc, diam. 35 mm  
metal convex



1/2

**FL062212**

Spare disc, diam. 35 mm  
plastic convex



1/2

**FL062213**

Spare disc, diam. 35 mm  
metal flat



1/2

**FL062214**

Spare disc, diam. 35 mm  
plastic w



530 g

Diam.  
35 mm

FL062NR

CE

AESCLAP®

1/2

WAGNER

**FL062NR** 530 g

complete with:  
FL062211 Spare disc metal convex  
FL062212 Spare disc plastic convex  
FL062206 Wrench  
240 mm, 9 1/2"



zu FL062NR  
FL062R

AESCLAP®  
WAGNER

zu FL06NR

1/2

**FL062206**

Wrench  
for FL046NR and FL062NR  
for changing the spare  
discs



780 g

Diam.  
43 mm

FL069NR

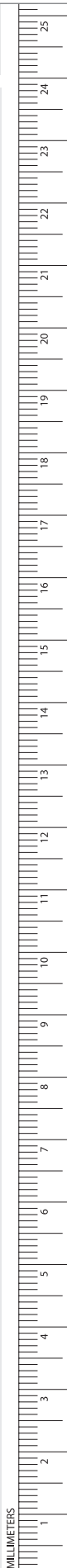
CE

AESCLAP®

1/2

**FL069NR** 780 g

245 mm, 9 5/8"



MILLIMETERS



- Weight refers to the head weight of the respective mallet

**INFO Box**

Mallet with slot KH113NR among other applicable with  
cement extractors

ND079R-ND081R, ND089R.....22

cement extractor hooks

ND082R-ND084R .....22



**KH113NR** 680 g  
Mallet with slot  
280 mm, 11"



**MB631NR** 660 g  
225 mm, 8 7/8"





LEXER

Art. No.	Width
FL400NR	4 mm
FL401NR	6 mm
FL402NR	8 mm
FL403NR	10 mm
FL405NR	15 mm
FL406NR	20 mm
FL407NR	25 mm
FL408NR	30 mm

240 mm, 9 1/2"



LEXER

Art. No.	Width
FL820NR	4 mm
FL821NR	6 mm
FL822NR	8 mm
FL823NR	10 mm
FL825NR	15 mm
FL826NR	20 mm
FL827NR	25 mm
FL828NR	30 mm

300 mm, 11 3/4"



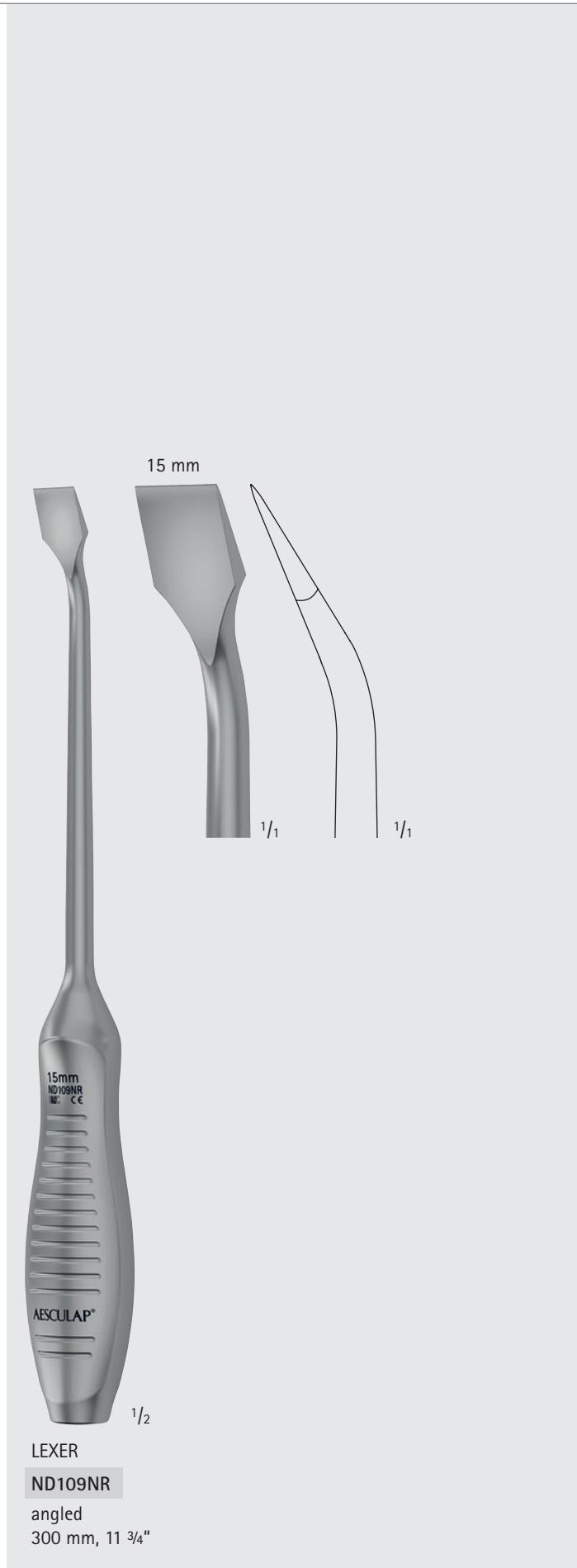
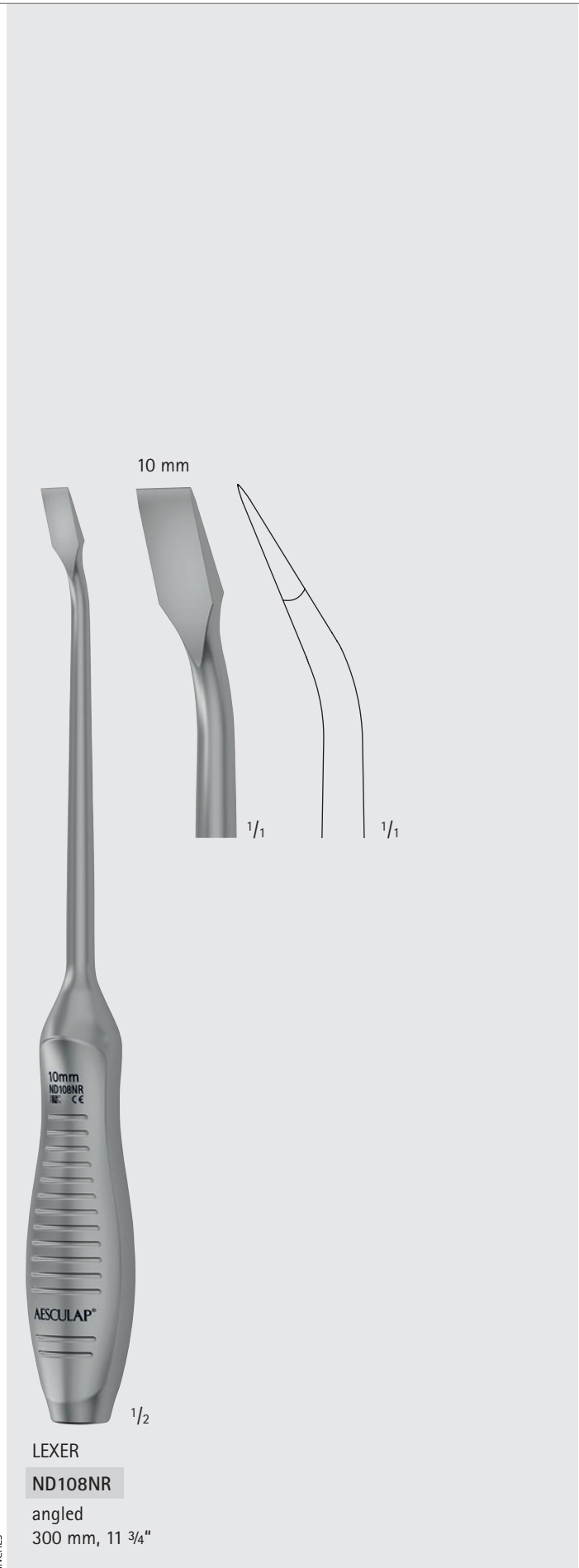
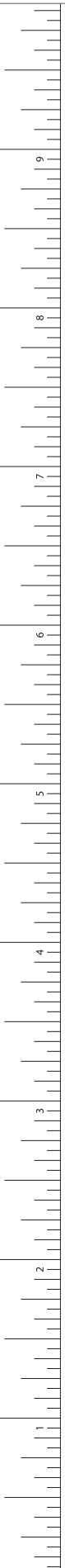
INFO Box

Osteotomes  
FL920NR-FL927NR  
to be used with cross bar  
ND078R .....21

LEXER

Art. No.	Width
FL920NR	4 mm
FL922NR	8 mm
FL925NR	15 mm
FL927NR	25 mm

400 mm, 15 3/4"





LEXER

Art. No.	Width
FL410NR	4 mm
FL411NR	6 mm
FL412NR	8 mm
FL413NR	10 mm
FL415NR	15 mm
FL416NR	20 mm
FL417NR	25 mm
FL418NR	30 mm

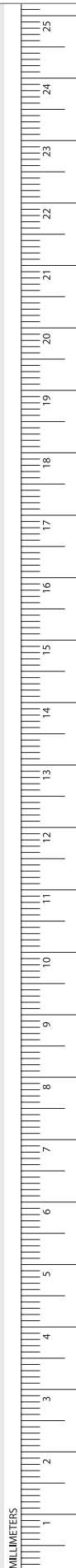
240 mm, 9 1/2"



LEXER

Art. No.	Width
FL830NR	4 mm
FL831NR	6 mm
FL832NR	8 mm
FL833NR	10 mm
FL835NR	15 mm
FL836NR	20 mm
FL837NR	25 mm
FL838NR	30 mm

300 mm, 11 3/4"





INFO Box

Gouges FL930NR-FL937NR  
to be used with cross bar  
ND078R .....21



LEXER

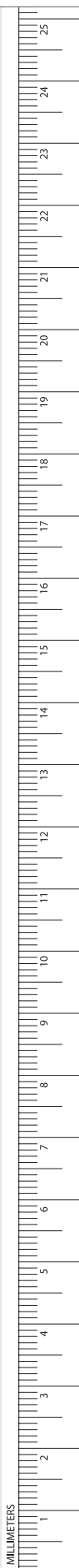
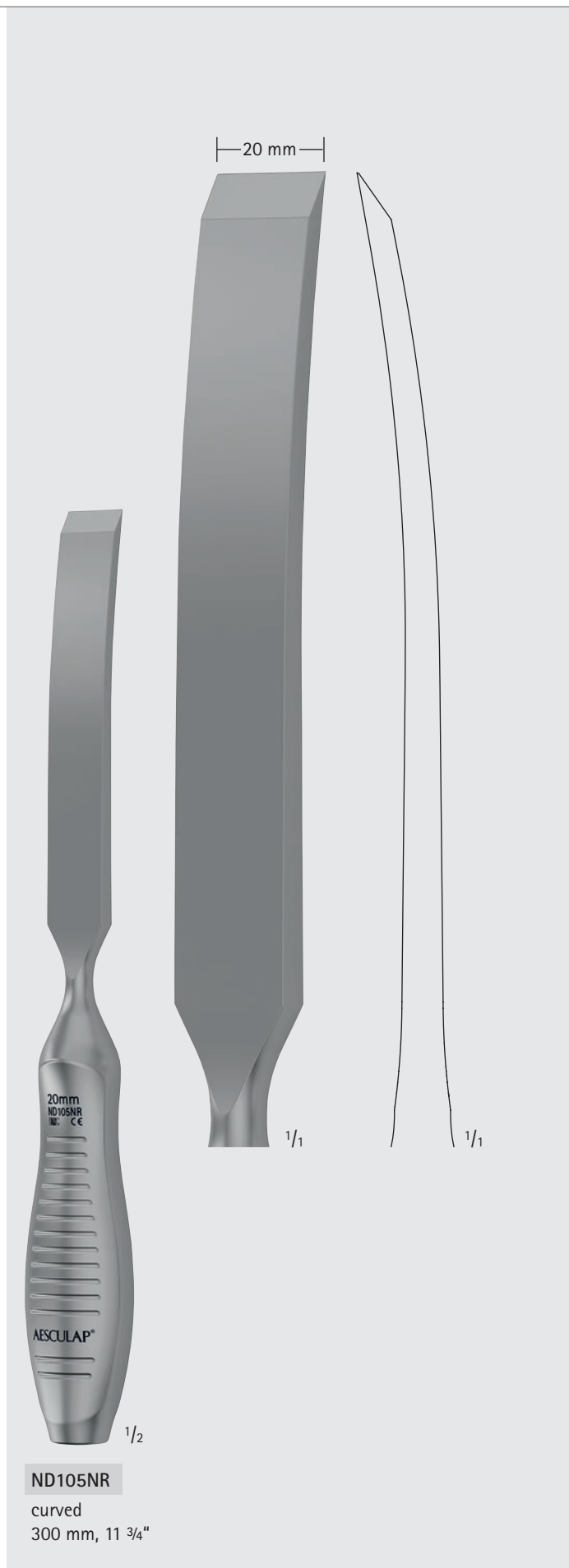
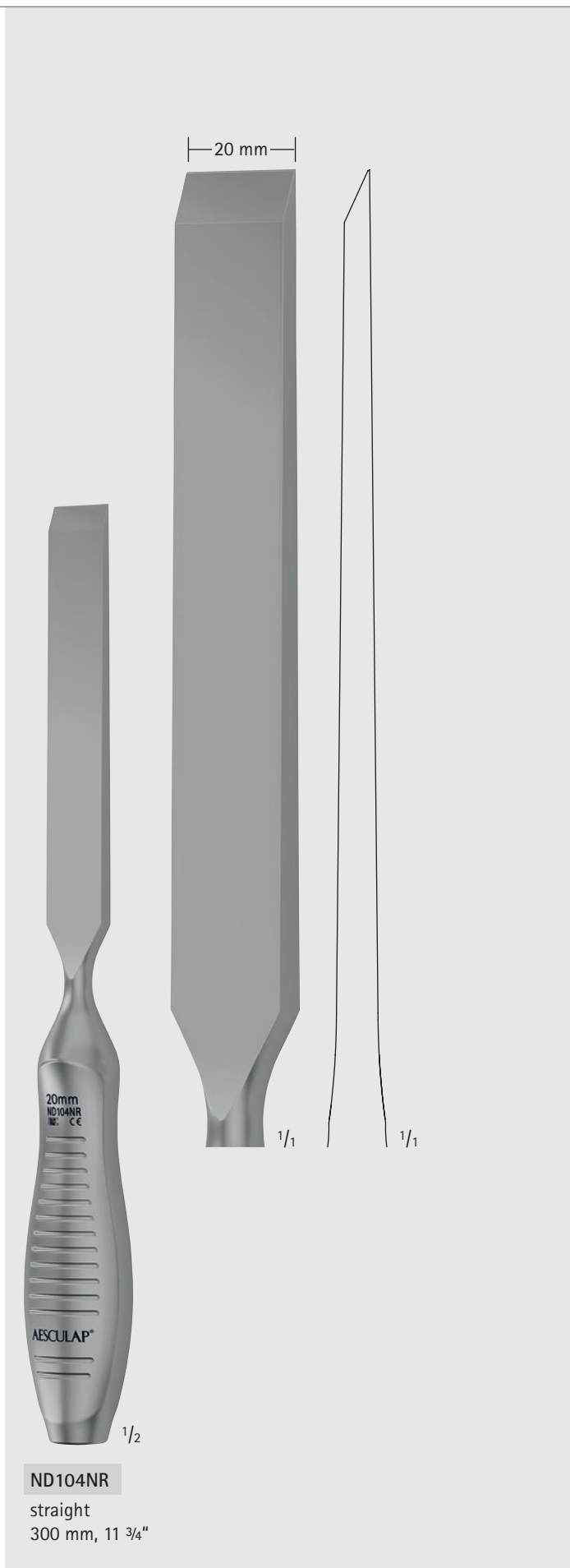
Art. No.	Width
FL930NR	4 mm
FL932NR	8 mm
FL935NR	15 mm
FL937NR	25 mm
400 mm, 15 3/4"	

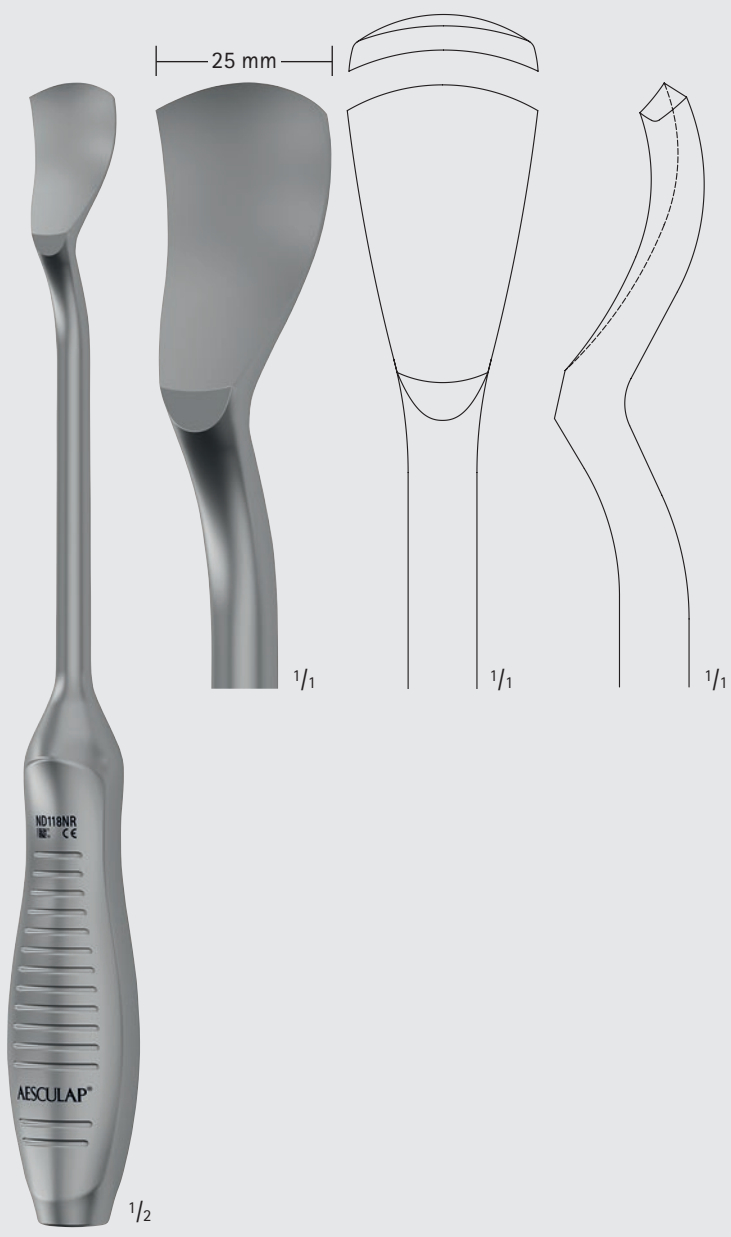


Art. No.	Width
FL441NR	5 mm
FL443NR	10 mm
FL445NR	15 mm

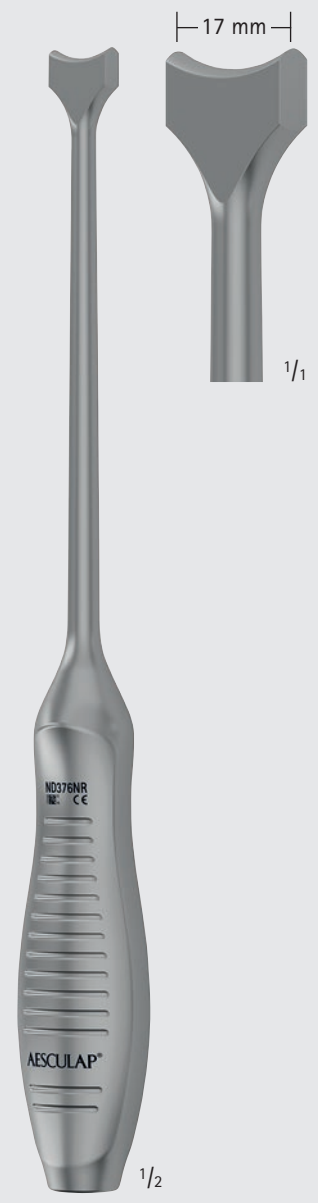
Cancellous bone gouges, curved  
240 mm, 9 1/2"







**ND118NR**  
"Swan neck" chisel  
300 mm, 11 3/4"



**ND376NR**  
Extraction instrument  
for prostheses stems  
300 mm, 11 3/4"

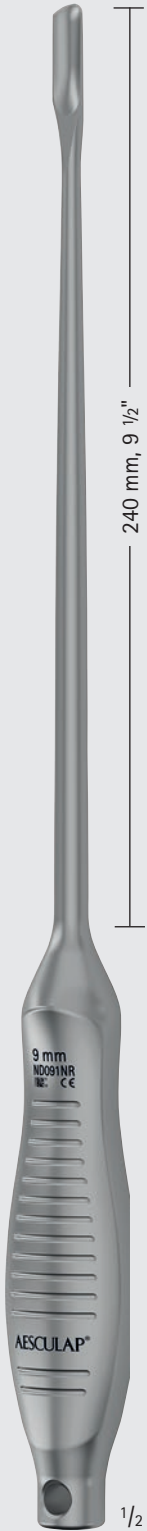


REPROCESSING INFORMATION  
for all AESCULAP® medical products. You will  
find the corresponding instructions for use for  
each article number on our website:  
[HTTP://BBRAUN.INFO/REPROCESSING](http://BBRAUN.INFO/REPROCESSING)

sq.line®  
GOUGES

INFO Box

Gouges ND091NR-ND098NR to be used  
with cross bar ND078R .....21

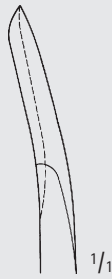
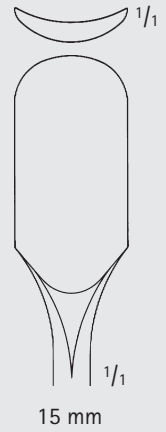


240 mm, 9 1/2"

WAGNER

ND091NR-ND098NR

400 mm, 15 3/4"



angled forward



ND092NR



ND097NR



angled backward



ND093NR



ND098NR



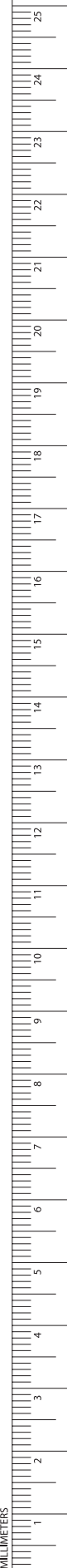
straight



ND091NR

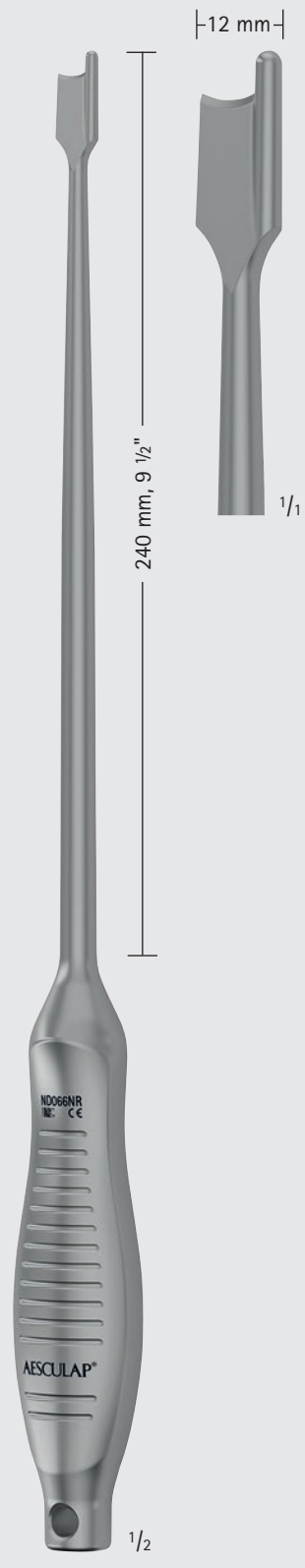


ND096NR

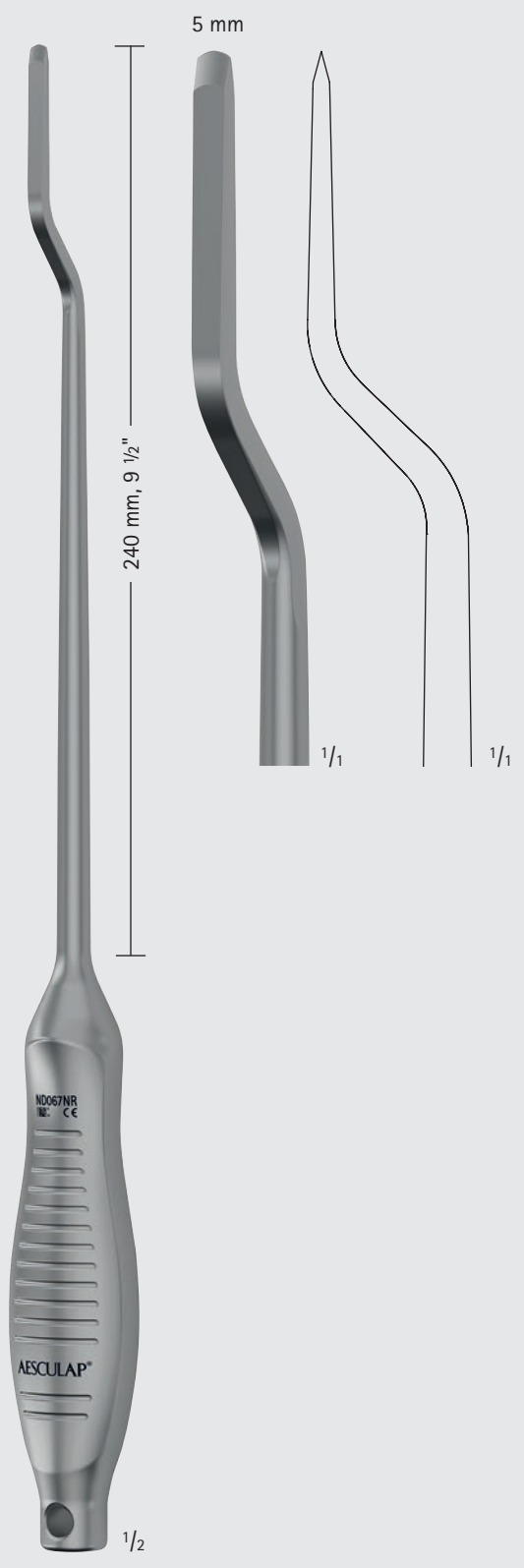




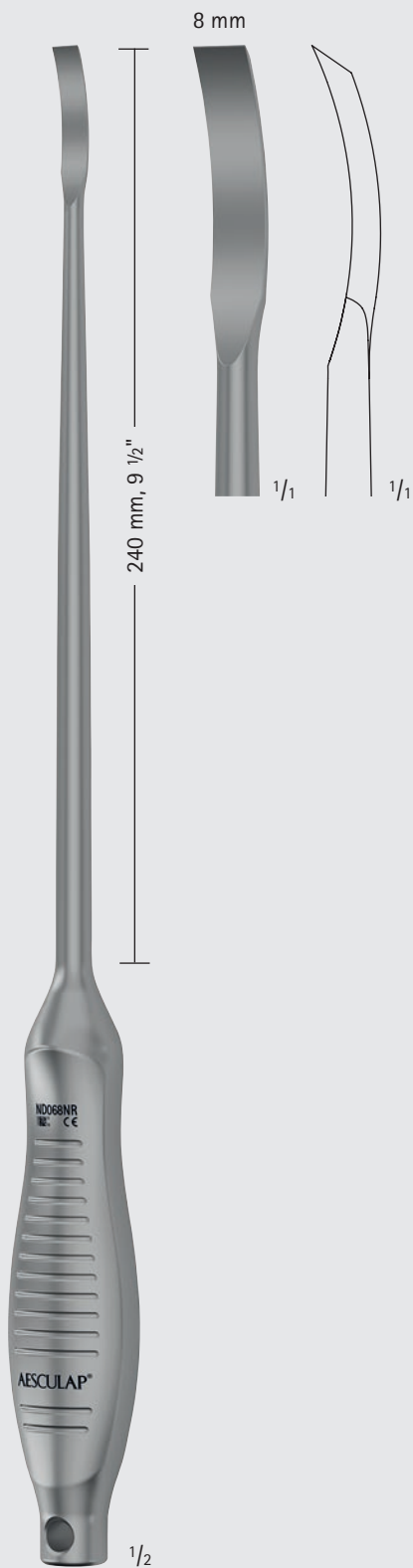
**INFO Box**  
Chisels ND066NR-ND068NR  
to be used with  
cross bar ND078R ..... 21



**ND066NR**  
straight,  
chamfered  
400 mm, 15 3/4"



**ND067NR**  
bayonet-shaped  
400 mm, 15 3/4"



**ND068NR**

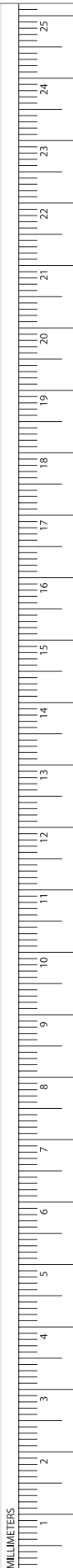
curved  
400 mm, 15 3/4"

INFO Box	
Cross bar ND078R for use with osteostomes:	
FL920NR-FL927NR .....	13
with chisels:	
FL930NR-FL937NR .....	16
with gouges:	
ND066NR-ND068NR .....	20, 21
ND091NR-ND098NR .....	19



**ND078R**

Cross bar  
110 mm, 4 1/4"



MILLIMETERS

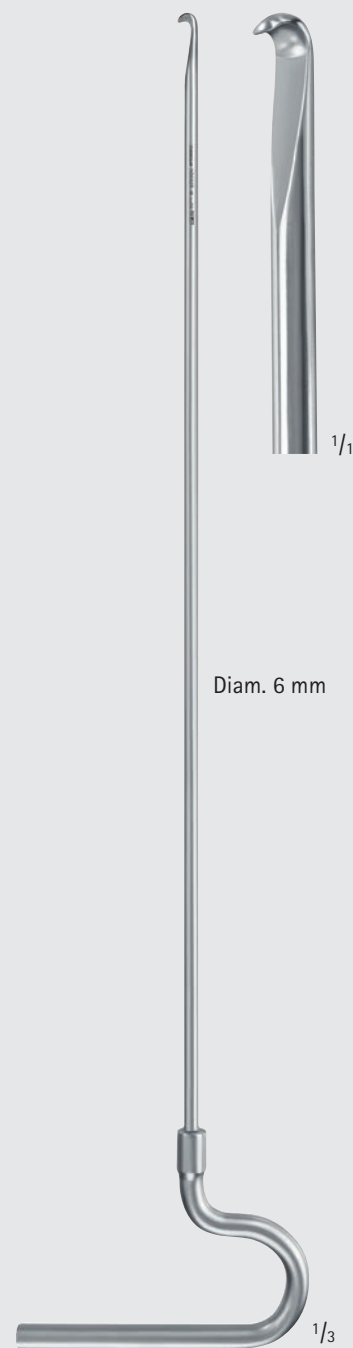


**INFO Box**  
Mallet with slot  
KH113NR ..... 12  
among other applicable with  
cement extractors ND079R-ND081R,  
ND089R and  
cement extractor hooks ND082R-ND084R



Art. No.	Tip size diam.	Shaft diam.
ND079R	8 mm	6 mm
ND080R	10 mm	6 mm
ND081R	12 mm	6 mm
ND089R	14 mm	6 mm

Cement extractors with thread  
525 mm, 20 3/4"



Art. No.	Blade width	Shaft diam.
ND082R	6 mm	6 mm
ND083R	8 mm	6 mm
ND084R	10 mm	6 mm

Cement extractor hooks  
530 mm, 20 7/8"



LAMBOTTE

Art. No.	Width
FL650R	4 mm
FL663R	6 mm
FL651R	8 mm
FL652R	10 mm
FL653R	13 mm
FL654R	15 mm
FL655R	18 mm
FL656R	20 mm
FL658R	25 mm
FL659R	30 mm
FL660R	40 mm
FL662R	50 mm

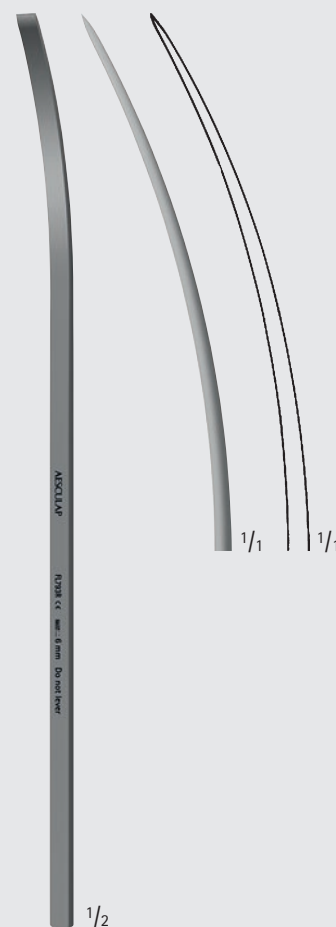
straight  
240 mm, 9 1/2"



LAMBOTTE

Art. No.	Width
FL800R	4 mm
FL813R	6 mm
FL801R	8 mm
FL802R	10 mm
FL804R	15 mm
FL806R	20 mm
FL808R	25 mm
FL809R	30 mm
FL810R	40 mm
FL812R	50 mm

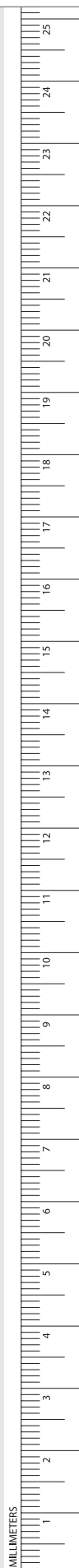
straight  
300 mm, 11 3/4"

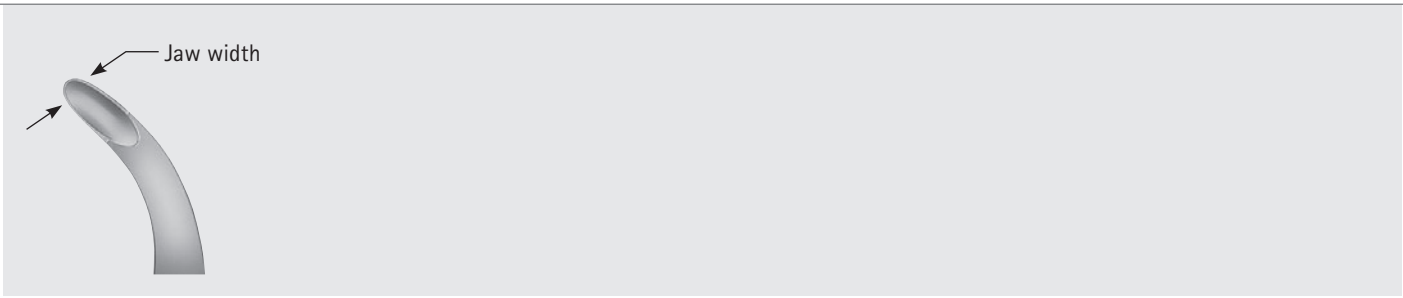


LAMBOTTE

Art. No.	Width
FL793R	6 mm
FL781R	8 mm
FL782R	10 mm
FL783R	15 mm
FL785R	20 mm
FL788R	25 mm
FL789R	30 mm
FL790R	40 mm

curved  
240 mm, 9 1/2"



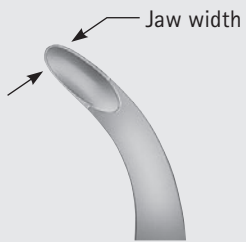


LUER  
**FO520NR**  
delicate pattern  
180 mm, 7"

LUER  
**FO515NR**  
medium pattern  
180 mm, 7"

LUER  
**FO518NR**  
strong pattern  
180 mm, 7"





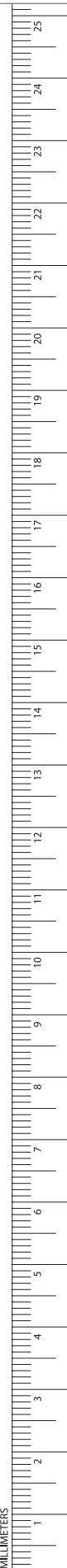
LUER  
**FO516NR**  
delicate pattern  
240 mm, 9 1/2"

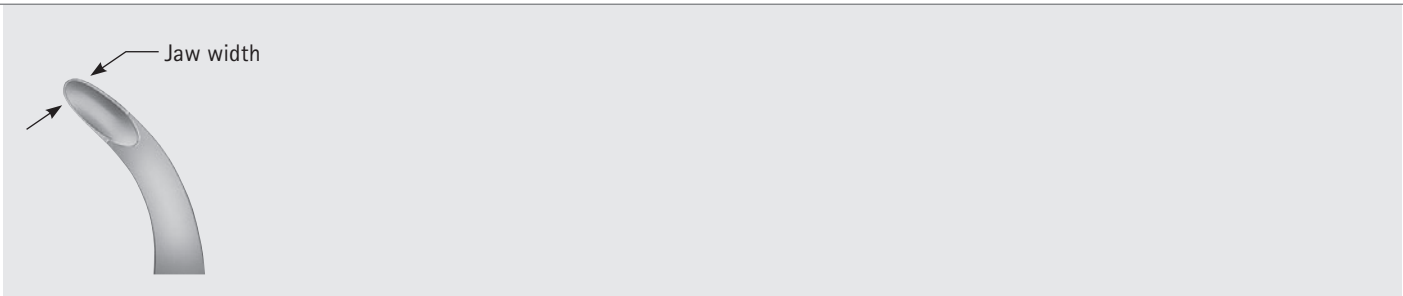


LUER  
**FO517NR**  
medium pattern  
240 mm, 9 1/2"



LUER  
**FO521NR**  
strong pattern  
240 mm, 9 1/2"





angled to side  
jaw width:  
6.8 mm

1/1

1/2

**LUER-STILLE**  
**FO530NR**  
very strong pattern  
240 mm, 9 1/2"

straight  
jaw width:  
8 mm

1/1

1/2

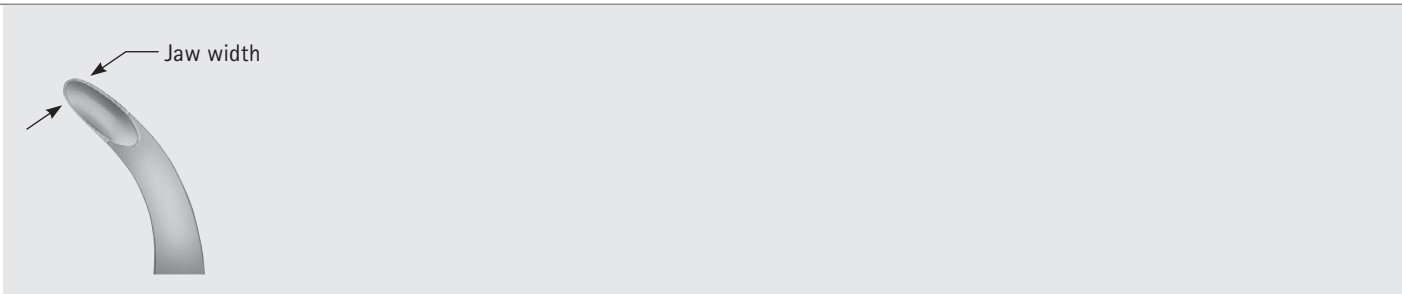
**LUER-STILLE**  
**FO532NR**  
very strong pattern  
240 mm, 9 1/2"

curved  
jaw width:  
8 mm

1/1

1/2

**LUER-STILLE**  
**FO534NR**  
very strong pattern  
240 mm, 9 1/2"



straight  
jaw width:  
10.6 mm

1/1

1/2

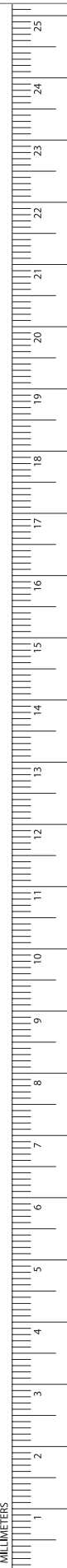
**LUER-STILLE**  
**FO550NR**  
extra strong pattern  
240 mm, 9 1/2"

curved  
jaw width:  
10.2 mm

1/1

1/2

**LUER-STILLE**  
**FO551NR**  
extra strong pattern  
240 mm, 9 1/2"





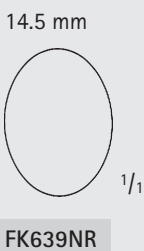
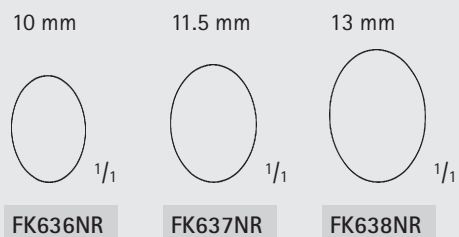
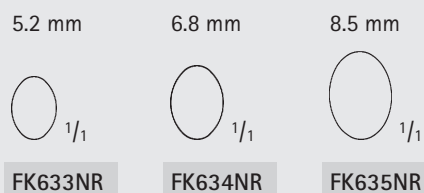
angled,  
30 mm cutting edge

LISTON  
FO645NR  
240 mm, 9 1/2"

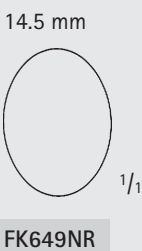
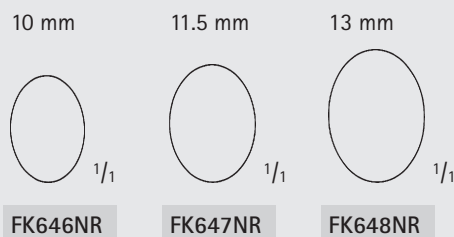
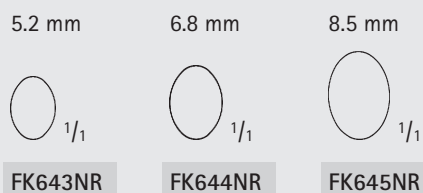
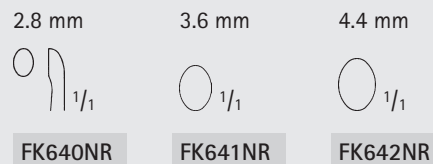


angled,  
22 mm cutting edge

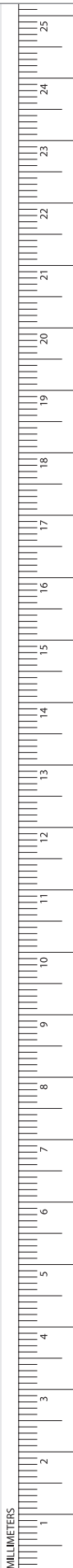
RUSKIN-LISTON  
FO641NR  
180 mm, 7"

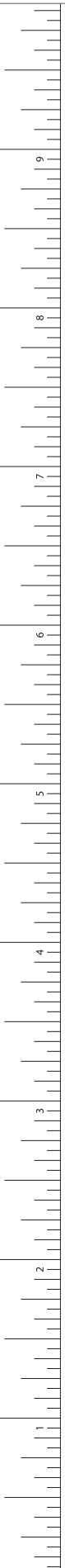



VOLKMANN  
FK630NR-FK639NR  
180 mm, 7"





VOLKMANN  
FK640NR-FK649NR  
240 mm, 9 1/2"







5.2 mm  
 1/1  
**FK743NR**


8.5 mm  
 1/1  
**FK745NR**

11.5 mm  
 1/1  
**FK747NR**

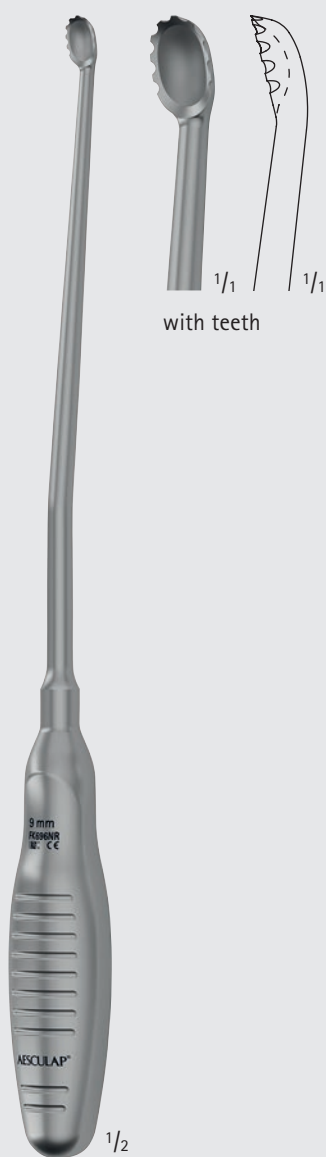
**VOLKMANN**  
**FK743NR-FK747NR**  
 300 mm, 11 3/4"

5.2 mm  
 1/1  
**FK753NR**

8.5 mm  
 1/1  
**FK755NR**

11.5 mm  
 1/1  
**FK757NR**

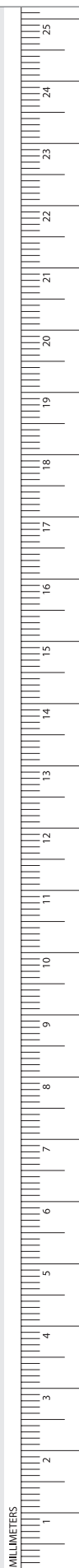
**VOLKMANN**  
**FK753NR-FK757NR**  
 400 mm, 15 3/4"

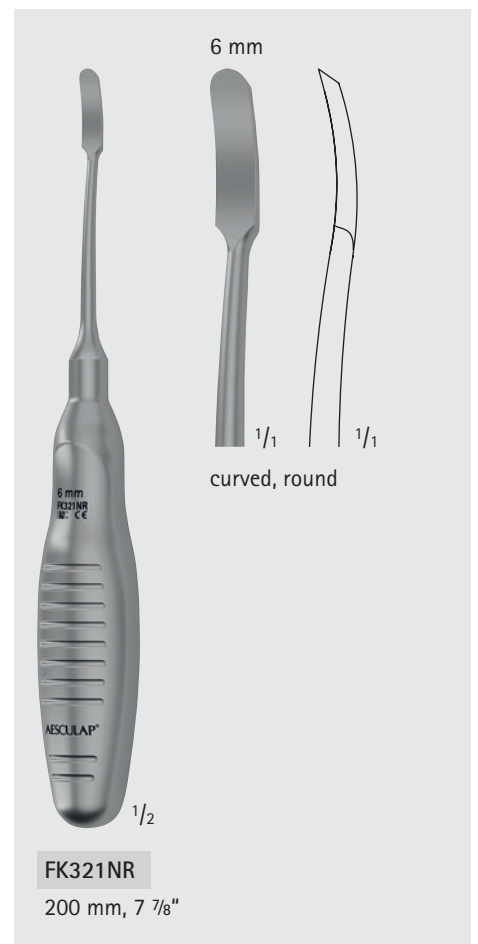
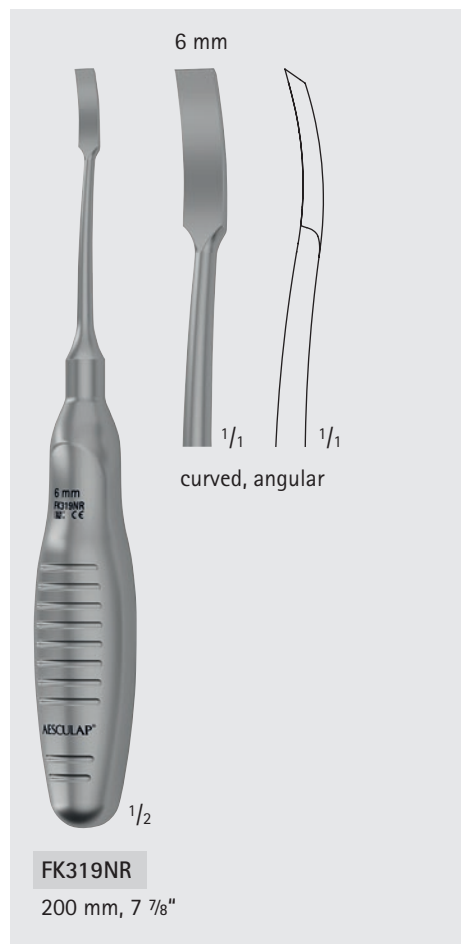
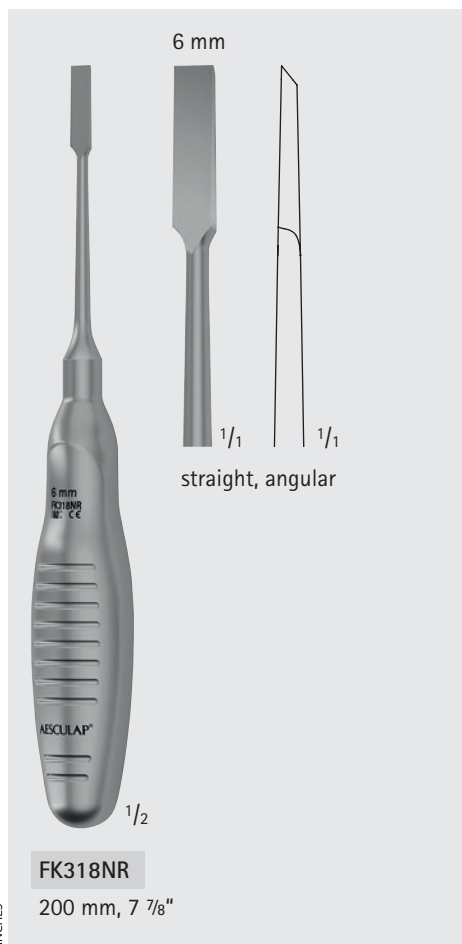
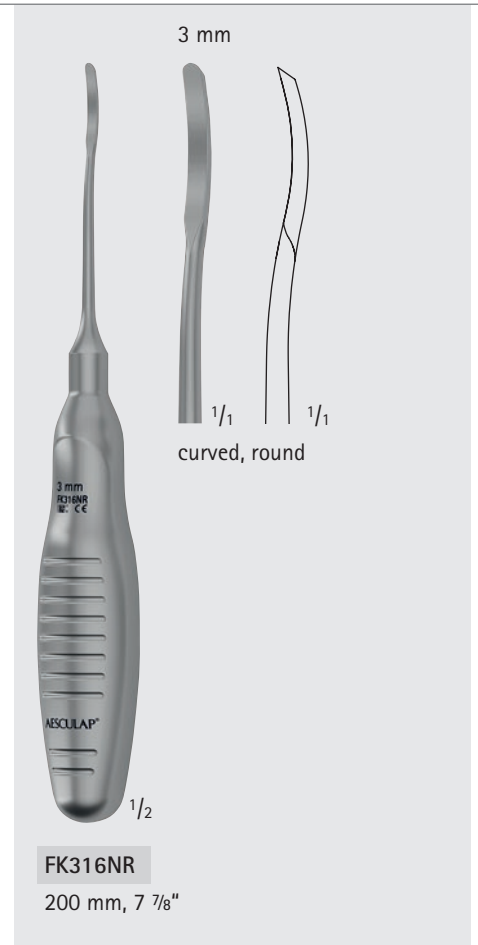
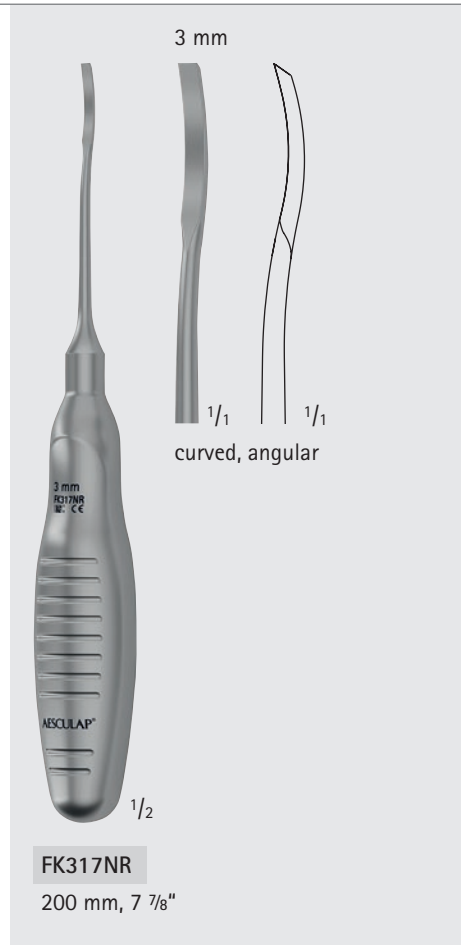
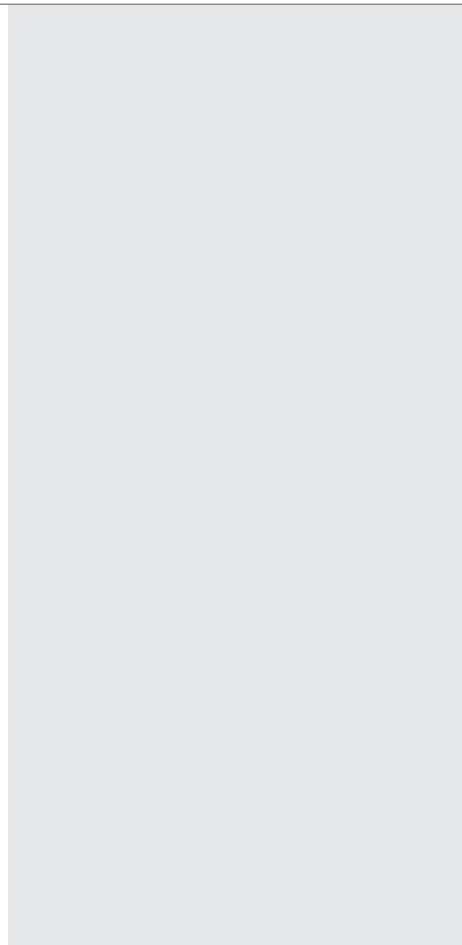


Art. No.	Width
FK696NR	9 mm
FK698NR	15 mm
300 mm, 11 3/4"	

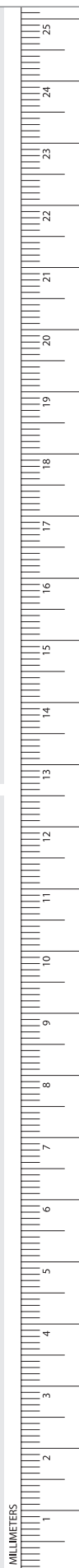
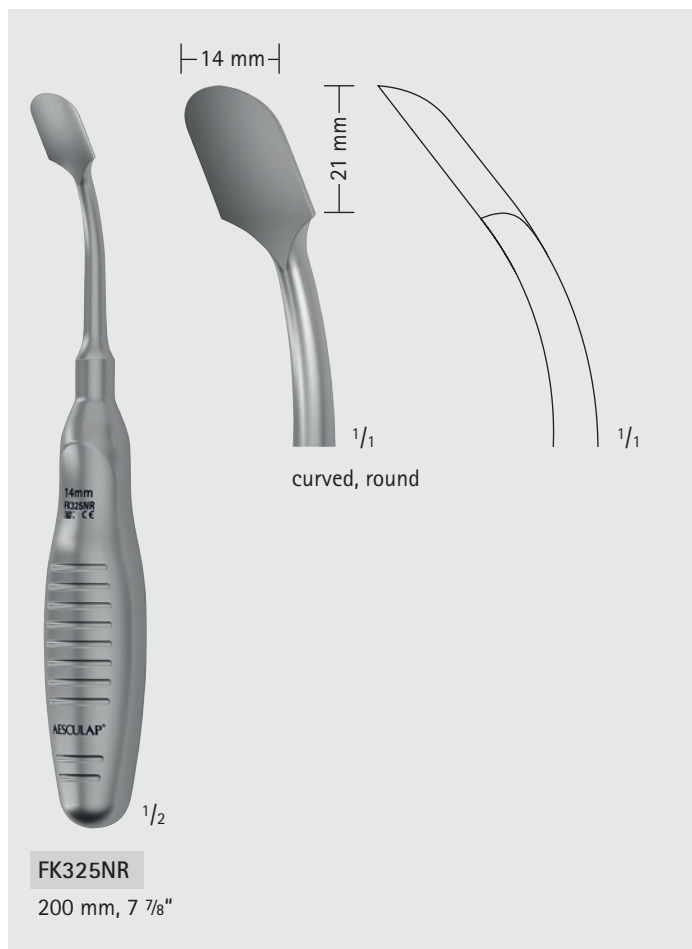
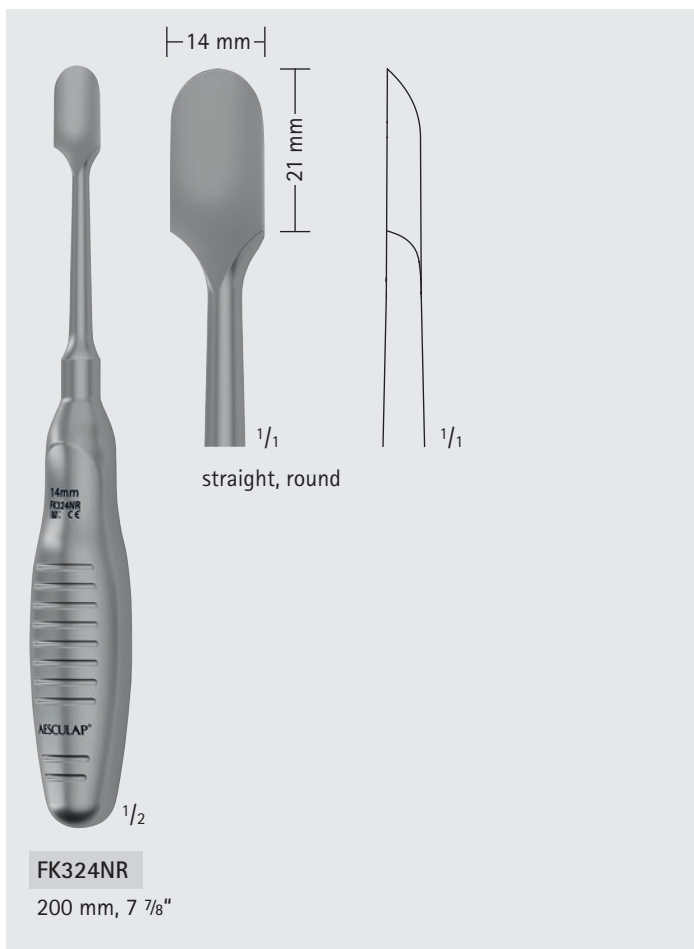
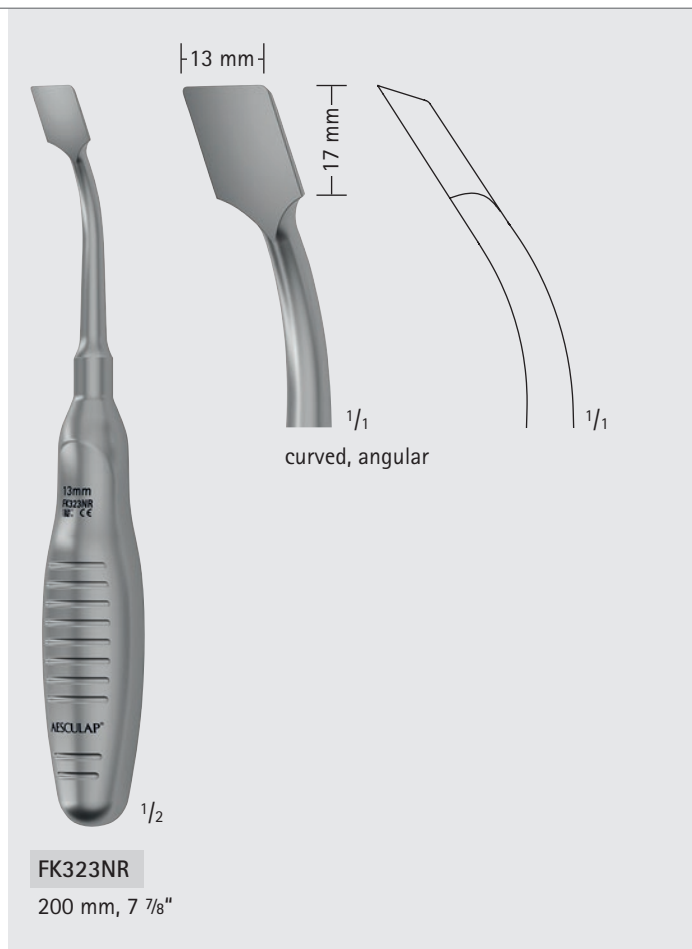
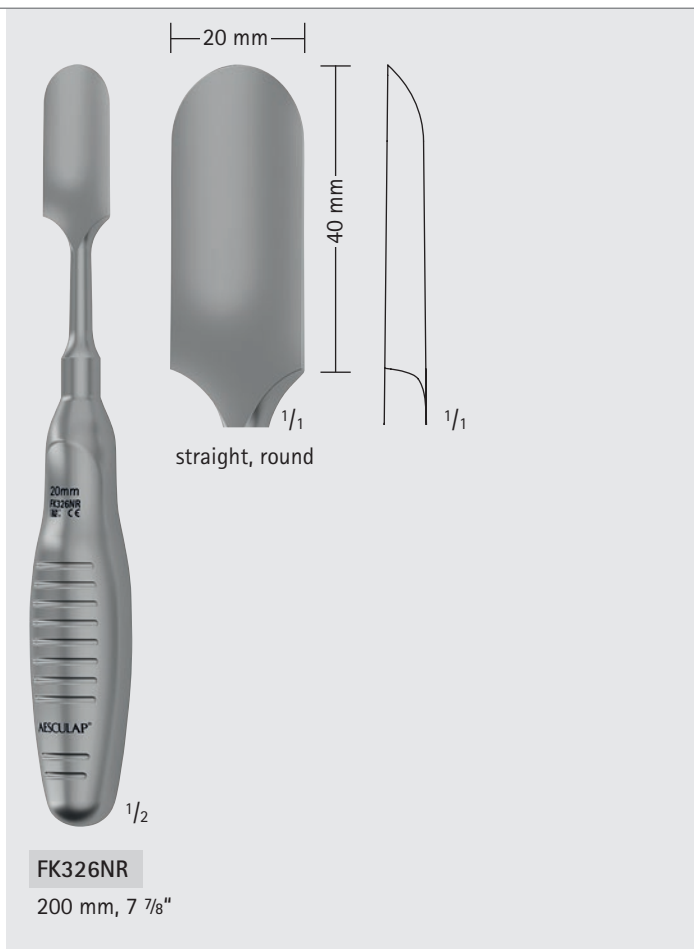


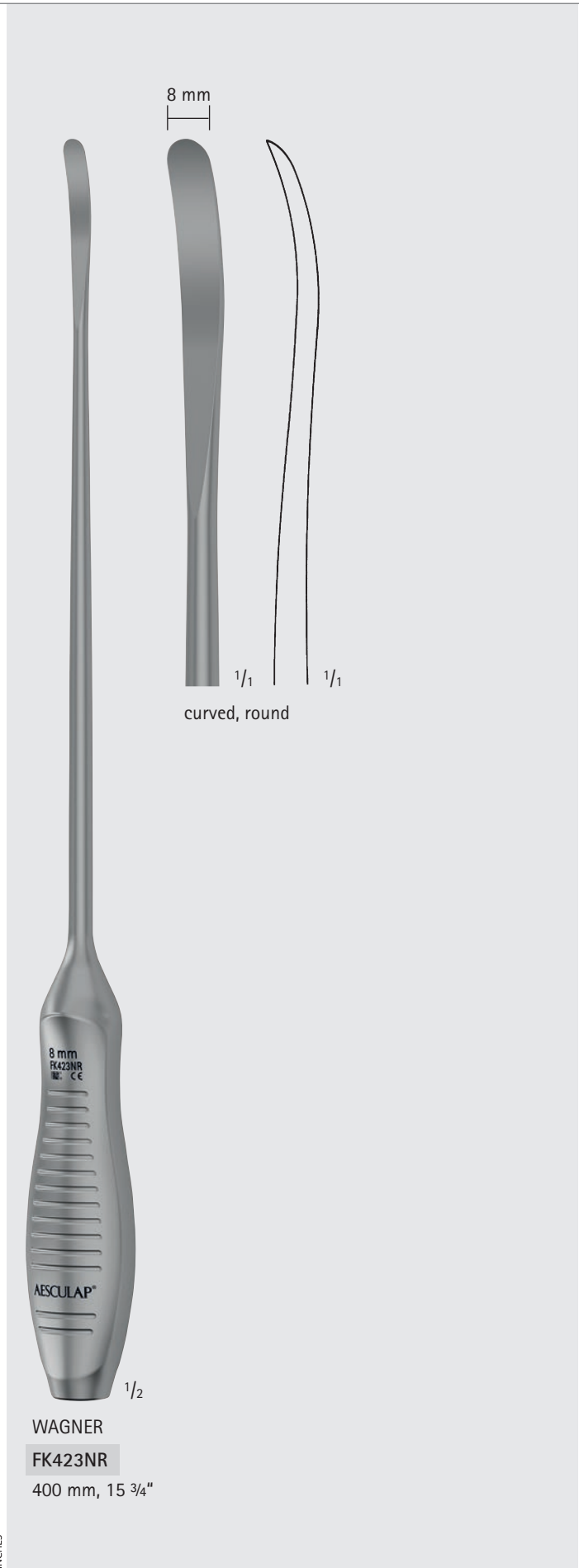
ND019NR  
300 mm, 11 3/4"



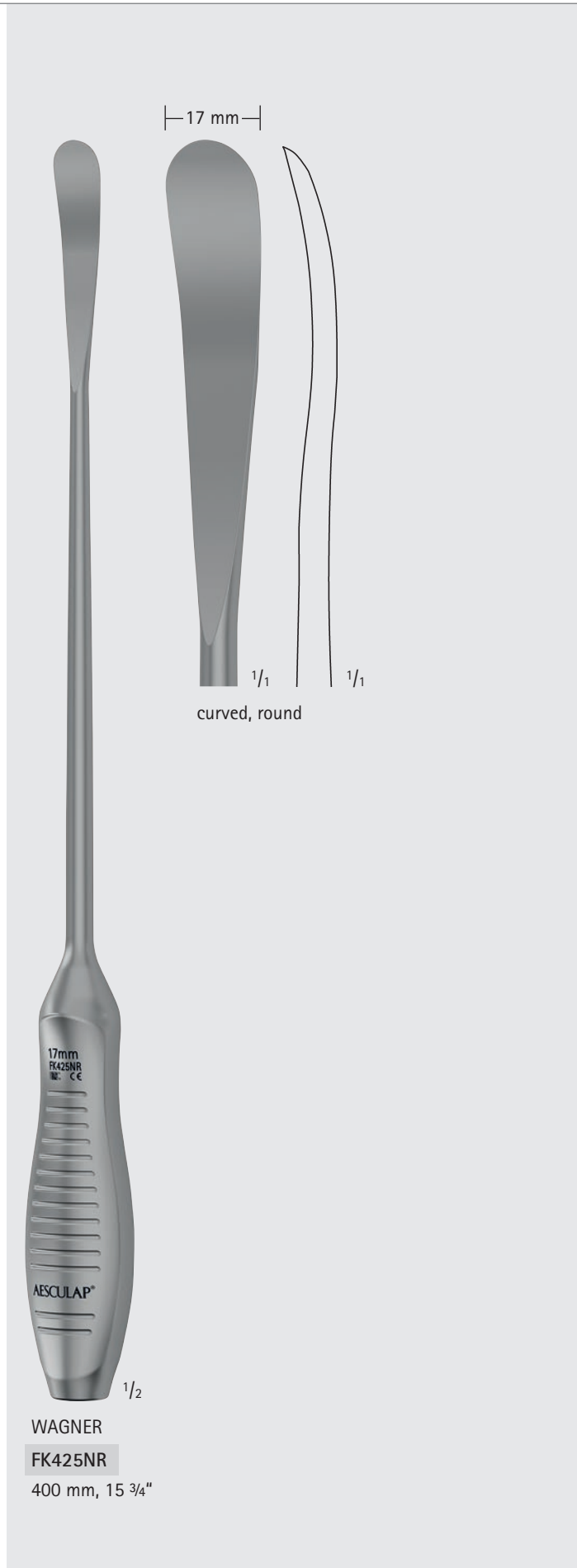




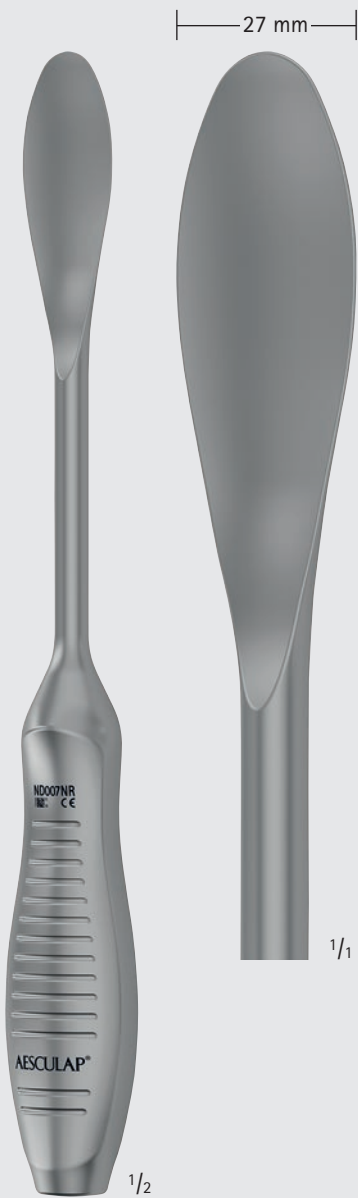




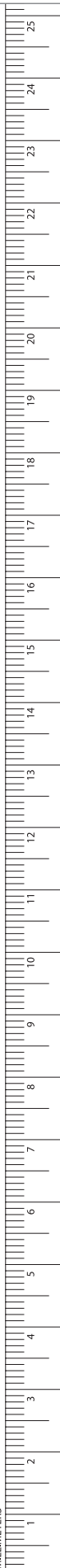
**WAGNER**  
**FK423NR**  
400 mm, 15 3/4"

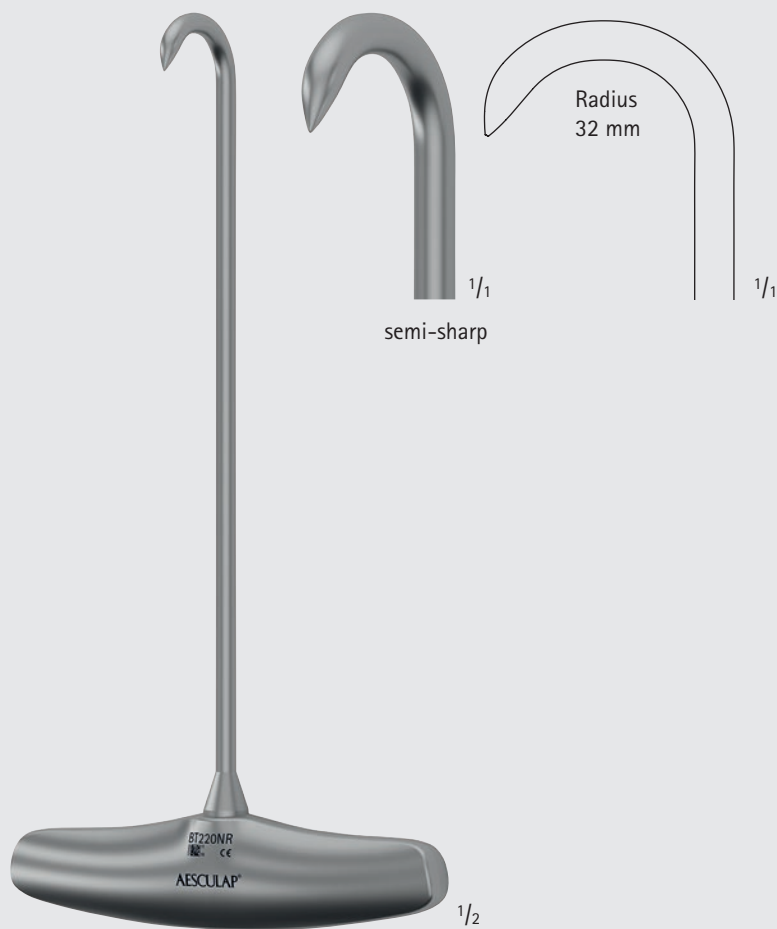


**WAGNER**  
**FK425NR**  
400 mm, 15 3/4"

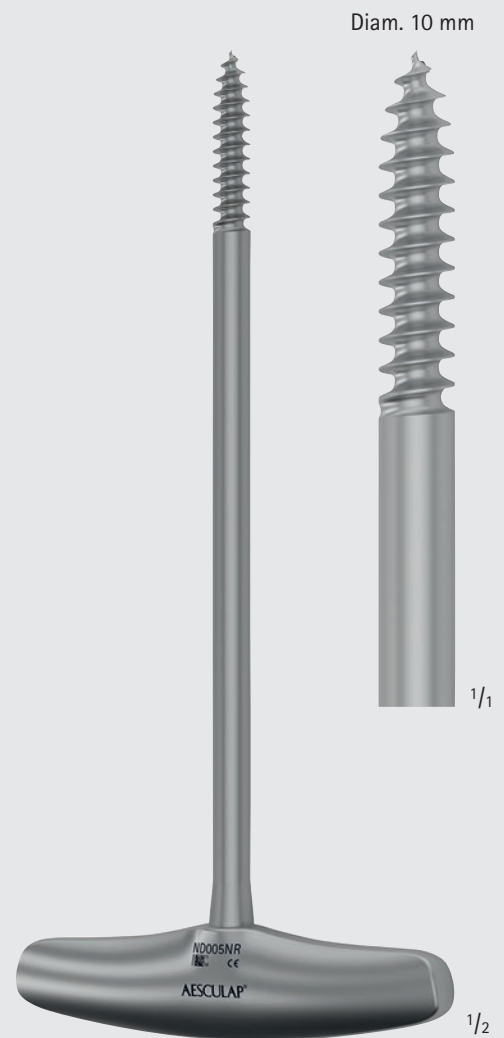


**ND007NR**  
for dislocating the  
femoral head  
300 mm, 11 3/4"





**BT220NR**  
Bone hook with T-handle  
240 mm, 9 1/2"



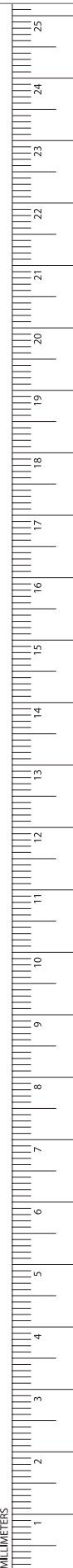
**ND005NR**  
Drill with T-handle  
for femoral head extraction  
260 mm, 10 1/4"

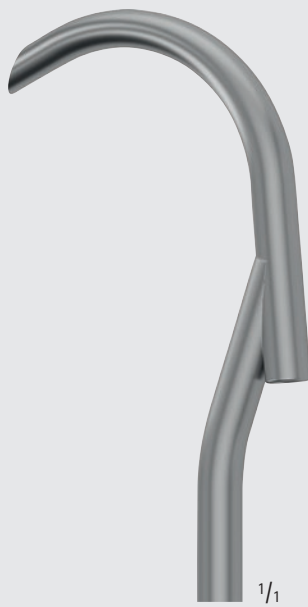
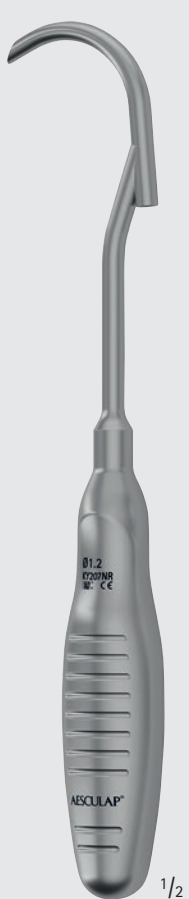
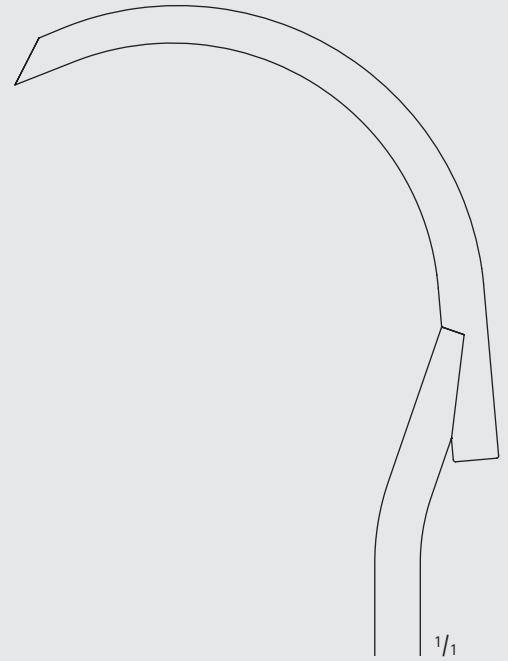
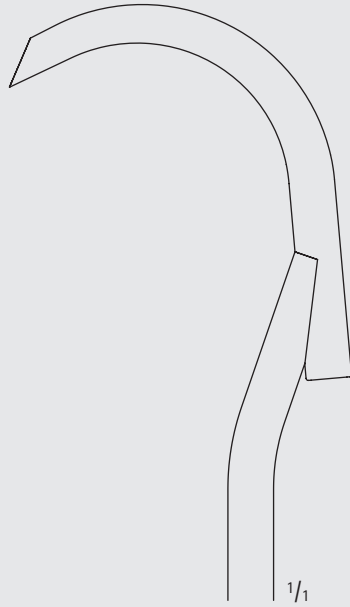


**FO102NR**  
200 mm, 7 7/8"

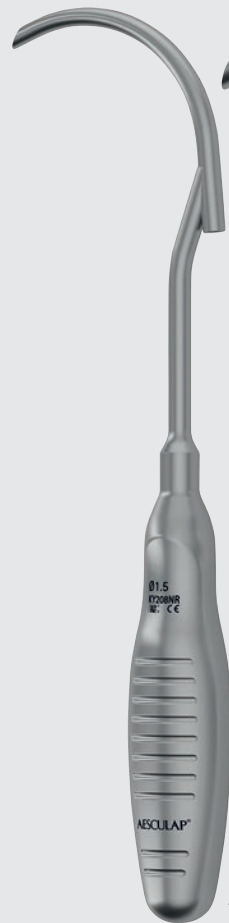


**FO103NR**  
240 mm, 9 1/2"





small, curved  
for wire  
diam. 1.2 mm



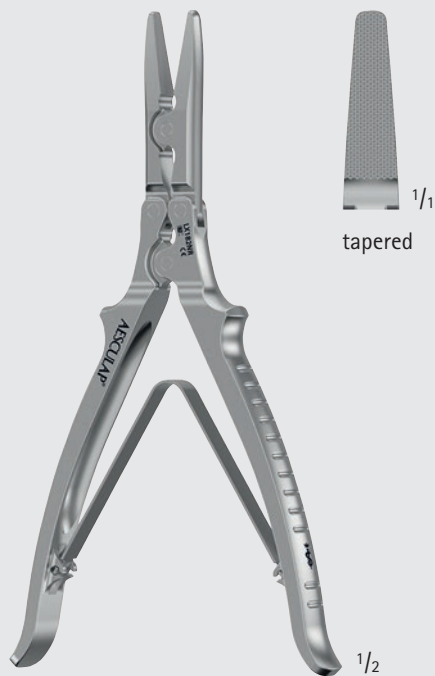
large, curved  
for wire  
diam. 1.5 mm

**KY207NR**  
230 mm, 9"

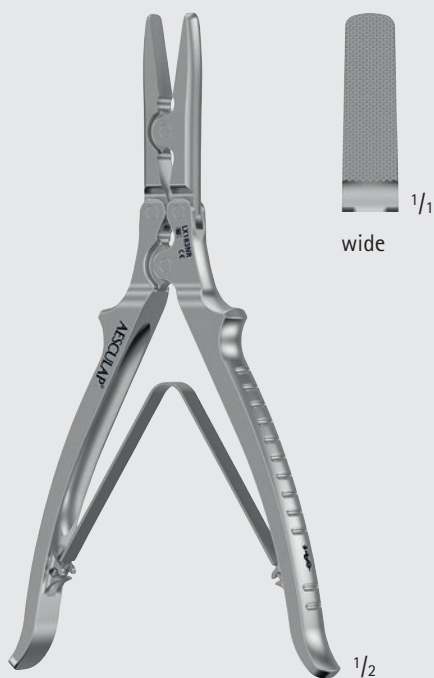
**KY208NR**  
240 mm, 9 1/2"



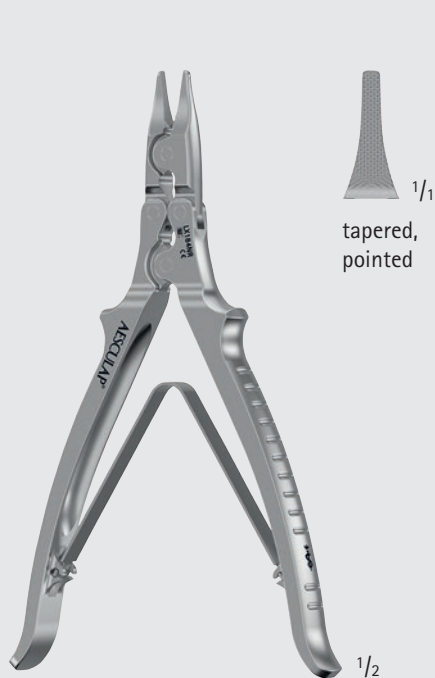
**LX181NR**  
Round pliers  
180 mm, 7"



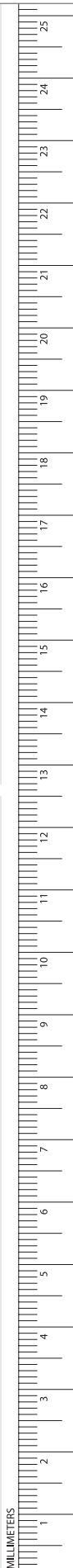
**LX182NR**  
Extraction pliers  
180 mm, 7"



**LX183NR**  
Extraction pliers  
180 mm, 7"



**LX184NR**  
Extraction pliers  
160 mm, 6 1/4"





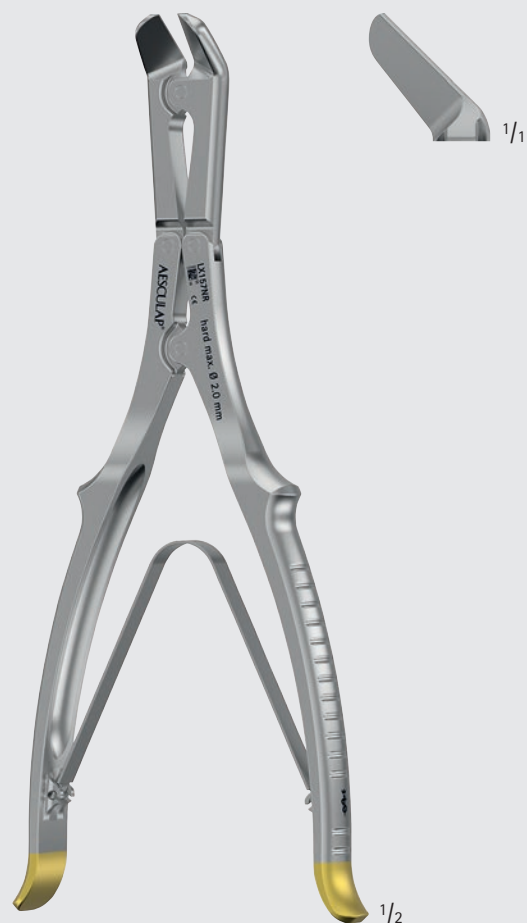
- specially hardened cutting edges



**LX159NR**

for hard wire with diam. maximum up to 1.5 mm  
180 mm, 7"

- specially hardened cutting edges



**LX157NR**

for hard wire with diam. maximum up to 2.0 mm  
240 mm, 9 1/2"





1/1

**FL083NR**

Diam. 5 mm



1/1

**FL084NR**

Diam. 8 mm



1/1

**FL086NR**

Diam. 14 mm

**FL083NR-FL086NR**

round, cross serrated  
300 mm, 11 3/4"



1/1

**ND584NR**

9 x 3.5 mm



1/1

**ND585NR**

10 x 6 mm



1/1

**ND586NR**

17 x 7 mm



1/1

**ND588NR**

10 x 10 mm

**ND584NR-ND586NR, ND588NR**

straight



1/1

**ND587NR**

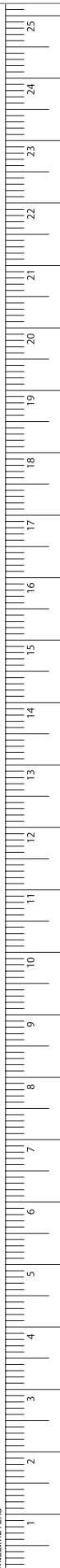
10 x 6 mm

**ND587NR**

curved

**ND584NR-ND588NR**

rectangular, cross serrated  
300 mm, 11 3/4"



MILLIMETERS



CHARNLEY

MB191R

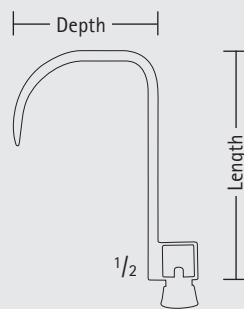
Retractor basis set, consisting of:

MG697R Frame, 300 x 240 mm

MG081R Weight, 1.740 g, with chain

MB156R Blade, small, 60 mm, 37 x 25 mm

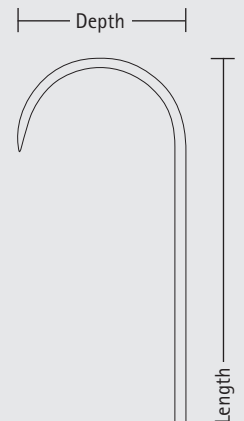
MB157R Blade, large, 174 mm, 42 x 25 mm



CHARNLEY

Art. No.	Depth x Width	Blade length
MG699R	25 x 25 mm	60 mm
MB156R	37 x 25 mm	60 mm
MG698R	51 x 25 mm	60 mm
MG565R	57 x 25 mm	60 mm
MG566R	64 x 25 mm	60 mm
MB177R	76 x 25 mm	60 mm
MG567R	102 x 25 mm	60 mm
MG700R	114 x 25 mm	60 mm
MB192R	127 x 25 mm	60 mm

Retractor blades, small



CHARNLEY

Art. No.	Depth x Width	Blade length
MG701R	25 x 25 mm	174 mm
MB157R	42 x 25 mm	174 mm
MG702R	51 x 25 mm	198 mm
MG568R	57 x 25 mm	192 mm
MG569R	65 x 25 mm	183 mm
MB178R	76 x 25 mm	174 mm
MG703R	102 x 25 mm	174 mm
MG570R	114 x 25 mm	174 mm
MB193R	127 x 25 mm	174 mm

Retractor blades, large

Art. No.	Page	Art. No.	Page	Art. No.	Page	Art. No.	Page
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		FL084NR.....	41	FL826NR.....	13		
FK316NR.....	32	FL086NR.....	41	FL827NR.....	13	MG081R.....	42
FK317NR.....	32	FL400NR.....	13	FL828NR.....	13	MG565R.....	42
FK318NR.....	32	FL401NR.....	13	FL830NR.....	15	MG566R.....	42
FK319NR.....	32	FL402NR.....	13	FL831NR.....	15	MG567R.....	42
FK321NR.....	32	FL403NR.....	13	FL832NR.....	15	MG568R.....	42
FK323NR.....	33	FL405NR.....	13	FL833NR.....	15	MG569R.....	42
FK324NR.....	33	FL406NR.....	13	FL835NR.....	15	MG570R.....	42
FK325NR.....	33	FL407NR.....	13	FL836NR.....	15	MG697R.....	42
FK326NR.....	33	FL408NR.....	13	FL837NR.....	15	MG698R.....	42
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FK425NR.....	34	FL411NR.....	15	FL920NR.....	13	MG700R.....	42
FK630NR.....	29	FL412NR.....	15	FL922NR.....	13	MG701R.....	42
FK631NR.....	29	FL413NR.....	15	FL925NR.....	13	MG702R.....	42
FK632NR.....	29	FL415NR.....	15	FL927NR.....	13	MG703R.....	42
FK633NR.....	29	FL416NR.....	15	FL930NR.....	16		
FK634NR.....	29	FL417NR.....	15	FL932NR.....	16	ND005NR.....	36
FK635NR.....	29	FL418NR.....	15	FL935NR.....	16	ND007NR.....	35
FK636NR.....	29	FL441NR.....	16	FL937NR.....	16	ND019NR.....	31
FK637NR.....	29	FL443NR.....	16			ND066NR.....	20
FK638NR.....	29	FL445NR.....	16	FO102NR.....	37	ND067NR.....	20
FK639NR.....	29	FL650R.....	23	FO103NR.....	37	ND068NR.....	21
FK640NR.....	29	FL651R.....	23	FO515NR.....	24	ND078R.....	21
FK641NR.....	29	FL652R.....	23	FO516NR.....	25	ND079R.....	22
FK642NR.....	29	FL653R.....	23	FO517NR.....	25	ND080R.....	22
FK643NR.....	29	FL654R.....	23	FO518NR.....	24	ND081R.....	22
FK644NR.....	29	FL655R.....	23	FO520NR.....	24	ND082R.....	22
FK645NR.....	29	FL656R.....	23	FO521NR.....	25	ND083R.....	22
FK646NR.....	29	FL658R.....	23	FO530NR.....	26	ND084R.....	22
FK647NR.....	29	FL659R.....	23	FO532NR.....	26	ND089R.....	22
FK648NR.....	29	FL660R.....	23	FO534NR.....	26	ND091NR.....	19
FK649NR.....	29	FL662R.....	23	FO550NR.....	27	ND092NR.....	19
FK696NR.....	31	FL663R.....	23	FO551NR.....	27	ND093NR.....	19
FK698NR.....	31	FL781R.....	23	FO641NR.....	28	ND096NR.....	19
FK743NR.....	30	FL782R.....	23	FO645NR.....	28	ND097NR.....	19
FK745NR.....	30	FL783R.....	23			ND098NR.....	19
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FK755NR.....	30	FL789R.....	23	KY207NR.....	38	ND108NR.....	14
FK757NR.....	30	FL790R.....	23	KY208NR.....	38	ND109NR.....	14
		FL793R.....	23			ND118NR.....	18
FL046NR.....	10	FL800R.....	23	LX157NR.....	40	ND376NR.....	18
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FL046212.....	10	FL802R.....	23	LX181NR.....	39	ND585NR.....	41
FL046213.....	10	FL804R.....	23	LX182NR.....	39	ND586NR.....	41
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FL062213.....	11	FL820NR.....	13	MB178R.....	42		
FL062214.....	11	FL821NR.....	13	MB191R.....	42		
FL066NR.....	10	FL822NR.....	13	MB192R.....	42		
FL069NR.....	11	FL823NR.....	13	MB193R.....	42		

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