3B instruments

lékařské nástroje

CHIRURGIE

základní katalog

Petrovická 857
592 31 Nové Město na Moravě

Tel./Fax.:566 618 317
566 618 135
www.3b-instruments.cz

3B instruments

lékařské nástroje

Firma **3B** instruments byla založena v srpnu roku 1994, jako sdružení fyzických osob, třemi jeho členy, jejichž příjmení začínají písmenem „ **B** “ a proto **3B**. Pro její sídlo bylo vybráno Nové Město na Moravě.

Podnikatelské aktivity společnosti byly od počátku jejího vzniku směřovány do oblasti obchodu s lékařskými nástroji.

V prvopočátku se firma **3B** instruments orientovala na distribuci chirurgických nástrojů pouze tuzemské výroby. Postupem času jsme začali spolupracovat též s dodavateli ze zahraničí a tento krok nám umožnil dosáhnout rozšíření nabídky sortimentu ze 2.000 na více než 10.000 položek. Jsme tedy schopni uspokojit potřeby všech lékařských operačních oborů a specializací.

Vzhledem k tomu, že se neorientujeme pouze na jediného dodavatele, dokážeme nabídnout výrobky jak značkových firem za vyšší ceny, tak nástroje srovnatelné kvality od firem méně známých, za ceny podstatně nižší. Způsob dodávek sestavených od několika dodavatelů preferujeme.

Distribuční sítí pokrýváme celé území České republiky, formou nabídky, která nejlépe vyhovuje požadavkům zákazníka. Nástroje je možné vybrat v první řadě z 12-ti katalogů firmy. Další možností je prezentace námi nabízených výrobků přímo u zákazníka, nebo výběr požadovaného sortimentu u firmy **3B** instruments. Návštěva firmy je obzvláště vítána. Nedílnou součástí tvorby nabídky je specifikace již používaných nástrojů našimi pracovníky přímo na lékařském pracovišti.

Součástí poskytovaných služeb je nejen záruční servis, pozáruční servis a drobné úpravy lékařských nástrojů dodávaných firmou **3B** instruments, ale také opravy nástrojů od jiných firem.

Cílem naší společnosti je spokojenost zákazníků s nabízenými službami, kvalitou dodávaného zboží, stejně tak jako zachování si vysokého kreditu získaného za dobu naší činnosti.

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Dovolujeme si Vám předložit katalog

ZÁKLADNÍCH CHIRURGICKÝCH NÁSTROJŮ

V tomto katalogu jsou zahrnuty nástroje pro široké použití ve všech operačních oborech. Na jeho stranách jsou vyobrazeny skalpely, nůžky, pinzety, svorky, kleště, háky, rozvěrače, lopatky, zrcadla, páčidla, škrabky, lžičky, pilníky, kladiva, dláta, vrtačky, jehelce, pátradla, trokary, kanyly, odsávačky, cévky a část příslušenství pro sterilizaci. Dalo by se říct, že v tomto katalogu o více než 300 stranách najdete 80% veškerého sortimentu lékařských nástrojů, které na operačním sále používáte. K tomuto katalogu jsou vydány tzv. katalogy oborové, které tento doplňují o speciální nástroje pro ten který operační obor. Věříme, že uvedený sortiment plně uspokojí potřeby Vašeho pracoviště.

S přáním úspěšné spolupráce

3B instruments

Potřebné informace

Nástroje v katalogu jsou řazeny do číselné řady podle jednotlivých typů. Znamená to, že jednotlivé typy jako např. nůžky najdete vždy v jednom oddílu.

Částečným žlutým zbarvením (pozlacením) jsou vyobrazeny nástroje, jejichž pracovní části jsou vyloženy tzv. tvrdokovem, který prodlužuje životnost nástroje.

U některého sortimentu je rozlišováno provedení ČR a provedení SRN. Znamená to, že nástroj stejného typu se tvarově liší podle toho, zda je vyráběn v České republice či v SRN.

Pro snadnější vyhledávání je katalog opatřen číselným seznamem s číslem strany, na které je nástroj umístěn.

K tomuto katalogu jsou vydány katalogy oborové, které tento katalog doplňují o speciální nástroje pro ten který operační obor.

Částečným žlutým zbarvením (pozlacením) jsou vyobrazeny nástroje, jejichž pracovní části jsou vyloženy tzv. tvrdokovem, který prodlužuje životnost nástroje.

Obsah

	Strana
Diagnostika	1 - 10
Nože na varixy	11
Držátka skalpelových čepelek, čepelky	12 - 14
Nože, skalpely	15 – 24
Kostotomy	25 - 26
Nůžky	27 - 61
Pinzety	63 - 88
Svorky, disektory	89 - 134
Kleště štípací	135 - 152
Kleště úchopné	153 - 181
Háky	183 - 202
Rozvěrače	203 - 229
Lopatky	231 - 232
Zrcadla	233 - 236
Páčidla - elevatoria	237 - 244
Škrabky - raspatoria	245 - 248
Lžičky	249 - 252
Pilky, pilníky	253 - 256
Kladiva, dláta, šídla	257 - 262
Vrtačky, vrtáky, frézy	263 - 264
Jehelce, jehly, sondy, jehelníky	265 - 290
Pátradla, sondy	291 - 295
Trokary, odsávačky, kanyly, dilatátory, cévky	297 - 301
Sterilizace, MINI kontejnery	303 - 310

3B instruments

lékařské nástroje

111

Diagnostika

CHIRURGIE - ZÁKLAD

Diagnostika

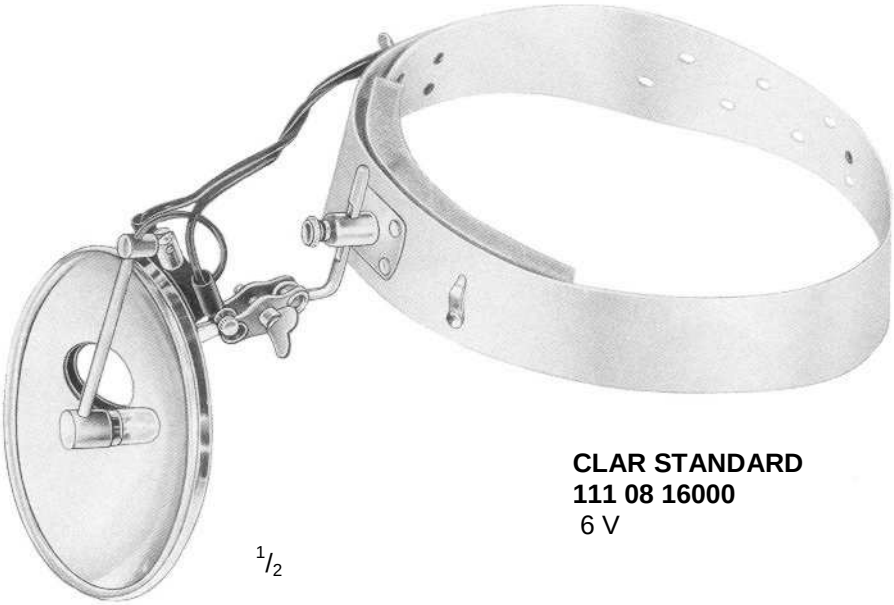
ZIEGLER
111 08 10209 ∅ 90 mm

03 180-92 samostatný pásek
03 180-93 samostatné zrcadlo ∅ 90 mm

Diagnostika

CLAR 55
111 08 15055
6 V

1/2

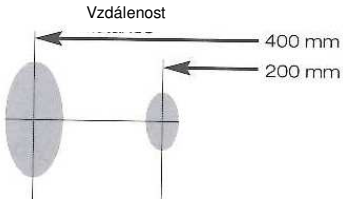


CLAR STANDARD
111 08 16000
6 V

1/2

Čelní lampa

6091
Světlo čelní focus LED
Součástí sady je nabíjecí adaptér
a 4 ks nabíjecích baterií typ AAA



Max. kruh světla	200 mm	120 mm
Min. kruh světla	40 mm	30 mm

Xenonový světlomet bateriový

Lehký bezdrátový světlomet s xenonovou lampou, vhodný pro ambulantní využití.
Tento světlomet neomezuje pohyblivost při výkonu, disponuje vysokou svítivostí a pohodlným ovládáním. Intenzivní bílé světlo je produkováno xenonovou výbojkou. Speciální vysoce účinná regulace světla umožňuje, aby byl paprsek koncentrován do požadovaného umístění. Reflektor je napájen nízkým napětím o velikosti 3 V. Lze tak použít k uložení baterií (2x velikost AA) malý box, integrovaný na čelenku. Nedochází tak k omezení pohyblivosti odborníka. Kvůli nízké hmotnosti a ergonomické, kůží vyztužené čelence, není problém tento světlomet nosit dlouhou dobu.
Zapnutí a vypnutí světlometu se provádí pootočením kroužku na lampě. Možnost směrového nastavení reflektoru zaručuje přesné umístění světelného svazku na požadovanou pozici.
Nefunkční lampa je snadno vyměnitelná za novou v několika sekundách.

03 194-00

Technické informace:

Objednací kód: **03194-00**
Celková hmotnost: 160 g (s bateriemi)
Teplota barvy: asi 3200 °K
Čelenka: ergonomická, nastavitelná, vyztužená kůží
Vývod světla: nastavitelný úhel sklonu a výška
Zdroj energie: baterie 2x 1.5 V, velikost AA (součást dodávky)
Životnost baterie: asi 6 hodin
Životnost lampy: asi 20 hodin, Objednací kód náhradní xenonové lampy **03 194-01**

Tabulka průměru světelného toku v závislosti na vzdálenosti.

Pracovní vzdálenost	20 cm	30 cm
Ø kruhu světla	Asi 50 mm	Asi 65 mm
Intenzita	6500 lux	4000 lux

Bezdrátový LED-světlomet

Výkonný světlomet s bílým světlem. Bezdrátový, lehký, pohodlný světlomet s moderní Li-Ion nabíjecí baterií na čelence. Vhodný pro mobilní použití.
Pro dlouhou výdrž, jednoduché ovládání a pohodlné nošení, je vhodný k využití u dlouho trvajících operací. Intensivní a homogenní osvětlení poskytuje moderní výkonný LED zdroj světla. Speciální čočky soustředí světelný tok do určeného místa. Pro dlouhou výdrž, kterou zajišťuje Li-Ion baterie a vysokou svítivost nabízí světlomet dobrý poměr cena/výkon. Díky nízké hmotnosti a ergonomické, kůží vyztužené čelence, není problém tento světlomet nosit dlouhou dobu.Zapnutí a vypnutí světlometu se provádí spínačem na obalu baterie. Kulové klouby umožňují nastavení světla do požadované pozice k optimálnímu pohledu.

Technické informace:

Objednací kód: **03196-00**
Celková hmotnost: 350 g (s napájecím zdrojem na čelence)
Klasifikace: Class I (podle annex IX of directive 93/42/EEC)¨
Klasifikace: 1 M podle EN 60825-1
Zdroj energie: Li-Ion napájecí zdroj, 700 mA
Napájecí doba: asi 4 hodiny při úplném vybití
Operační doba: asi 3,5 hodin
Funkční vzdálenost: 20 až 60 cm
Světelný výstup: plynule nastavitelný
Velikost bodu: 8 až 115 mm
Barva světla bíly, Power-Led
Teplota barvy asi 6000 Kelvin
Příkon 3 Watt

03 196-00

Tabulka nastavitelnosti průměru světelného toku v závislosti na vzdálenosti.

Pracovní vzdálenost	20 cm	30 cm	60 cm
Max. – Min. Ø kruhu světla	8 – 35 mm	9 – 55 mm	18 – 115 mm

Čelní lampy se světlovodným kabelem

Komfortní vláknový čelní reflektor s optimálním osvětlením. Světlovodný kabel o průměru 3.5 mm navádí svazek světla přímo do miniaturního předního reflektoru. Ten je vybaven dvou-čočkovým systémem, který umožňuje regulovat průměr světelného toku. Zároveň je díky flexibilnímu krku směrově nastavitelný. Výhled do operačního pole je pak perfektní. Ergonomická čelenka s křížovitým pásem je zpevněna kůží a lze ji upravovat jednou rukou. Malé komponenty, stejně jako pevně připojený světlovodný kabel v kombinaci s ergonomickou čelenkou nabízí mimořádně pohodlné nošení.
Konec světlovodného kabelu může být osazen širokým sortimentem šroubovacích adaptérů. To umožňuje jeho připojení ke zdrojům světla všech běžných značek.

03 192-00

Technické informace:

Objednací kód:	**03192-00**
Celková hmotnost	cca 300 g
Optický kabel	délka 2.2 m, Ø 3.5 mm
Čelenka	s křížovitým pruhem, vyztužená kůží, upravitelná jednou rukou
Reflektor	nastavitelný průměr kuželu světla, směrově nastavitelný

Tabulka nastavitelnosti průměru světelného toku v závislosti na vzdálenosti.

Pracovní vzdálenost	30 cm	50 cm
Max. – Min. Ø kruhu světla	50 – 100 mm	90 – 160 mm

Komfortní vláknový čelní reflektor s plynule nastavitelným průměrem světelného toku.
Světlovodný kabel o průměru 3.5 mm navádí svazek světla přímo do předního reflektoru.
Reflektor vytváří, díky svému optickému systému, malý homogenní svazek světla, který je nastavitelný ve směru a velikosti. Tímto je zajištěno perfektní osvětlení.
Ergonomická čelenka s křížovitým pásem je zpevněna kůží a lze ji upravovat jednou rukou. Malé komponenty, stejně jako pevně připojený světlovodný kabel v kombinaci s ergonomickou čelenkou nabízí mimořádně pohodlné nošení.
Doporučujeme, používat tento reflektor s halogenovým zdrojem světla 150 W. Zdroje světla s vyšším příkonem energie by mohli zvýšit teplotu reflektoru.
Konec světlovodného kabelu může být osazen širokým sortimentem šroubovacích adaptérů. To umožňuje jeho připojení ke zdrojům světla všech běžných značek.

03 193-00

Technické informace:

Objednací kód:	**03193-00**
Celková velikost:	cca 300 g
Optický kabel	délka 2.2 m, Ø 3.5 mm
Čelenka	s křížovitým pruhem, vyztužená kůží, upravitelná jednou rukou
Reflektor:	plynule nastavitelný a malý průměr kuželu světla, směrově nastavitelný

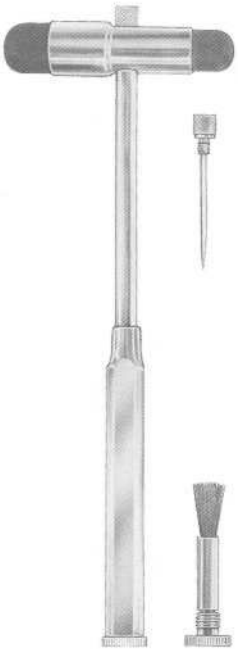
Tabulka nastavitelnosti průměru světelného toku v závislosti na vzdálenosti.

Pracovní vzdálenost	20 cm	30 cm	60 cm
Max. – Min. Ø kruhu světla	5 – 25 mm	10 – 45 mm	25 – 105 mm

Zdroje světla

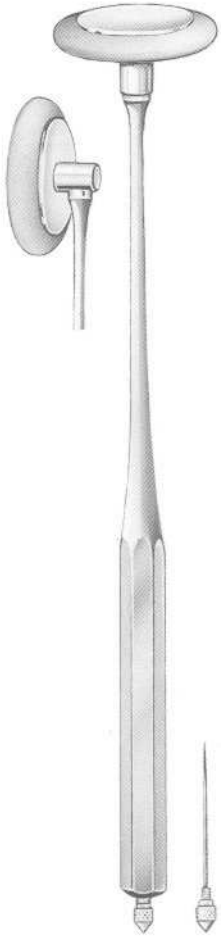
FLQ-150
Halogenový zdroj světla 150 W
Jednoduchý zdroj světa vhodný do ambulancí

Diagnostika



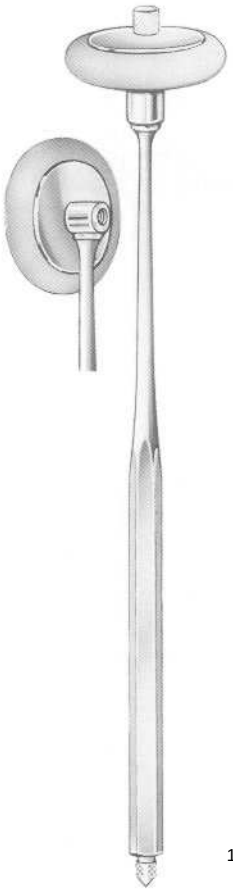
1/2

BUCK
111 03 30818
18,0 cm



1/2

BABINSKY
111 08 20522
22,0 cm
∅ 40 mm



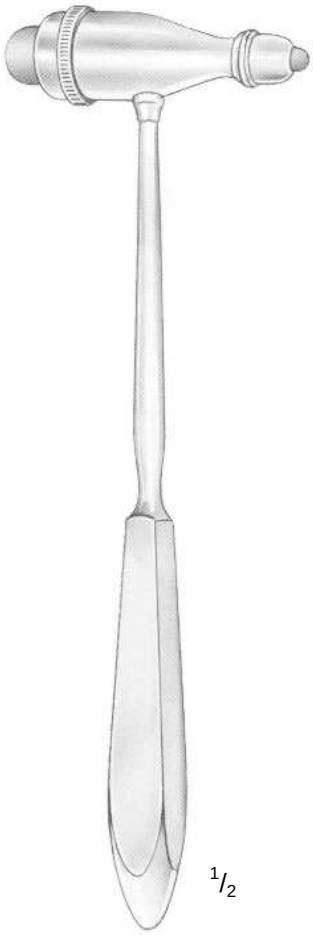
1/2

RABINIER
111 08 20823
23,0 cm
∅ 40 mm

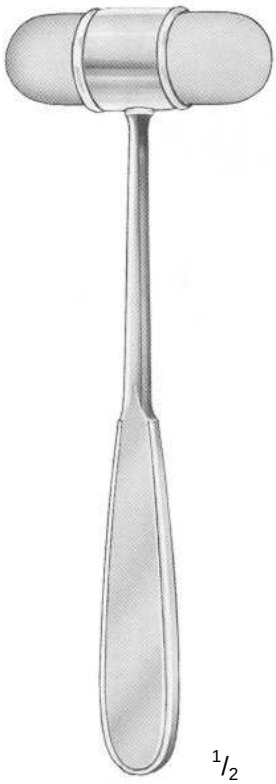
1/2

TAYLOR
111 03 28817 17,0 cm
111 03 28820 20,0 cm

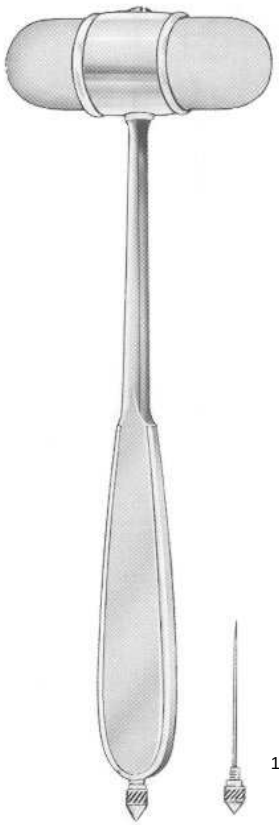
Diagnostika



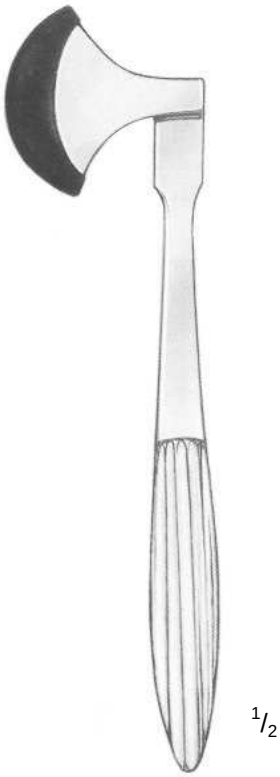
TROEMNER
111 03 29424
24,0 cm



DÉJERINE
111 08 21720
20,0 cm



DÉJERINE
111 08 21820
20,0 cm



BERLINER
111 03 30617
17,0 cm

Diagnostika

1/2

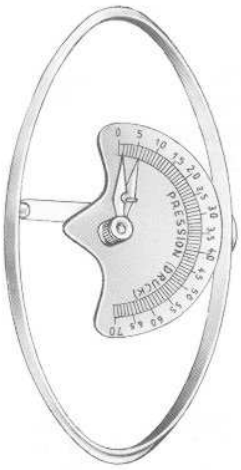
měřítko
111 03 34010 10,0 cm
111 03 34020 20,0 cm
111 03 34030 30,0 cm
111 03 34050 50,0 cm

2/3

pásmo
111 03 35015
1,5 m

1/2

měřítko
111 08 25850
50,0 cm



1/2

COLLIN
111 03 31001 pro dospělé
111 03 31002 pro děti

1/3

MOELTGEN
111 03 31201

1/2

WARTENBERG
111 03 32019
19,0 cm

Diagnostika

1/2

vel. 0
5,5 cm

1/2

vel. 1
7,0 cm

1/2

vel. 2
9,0 cm

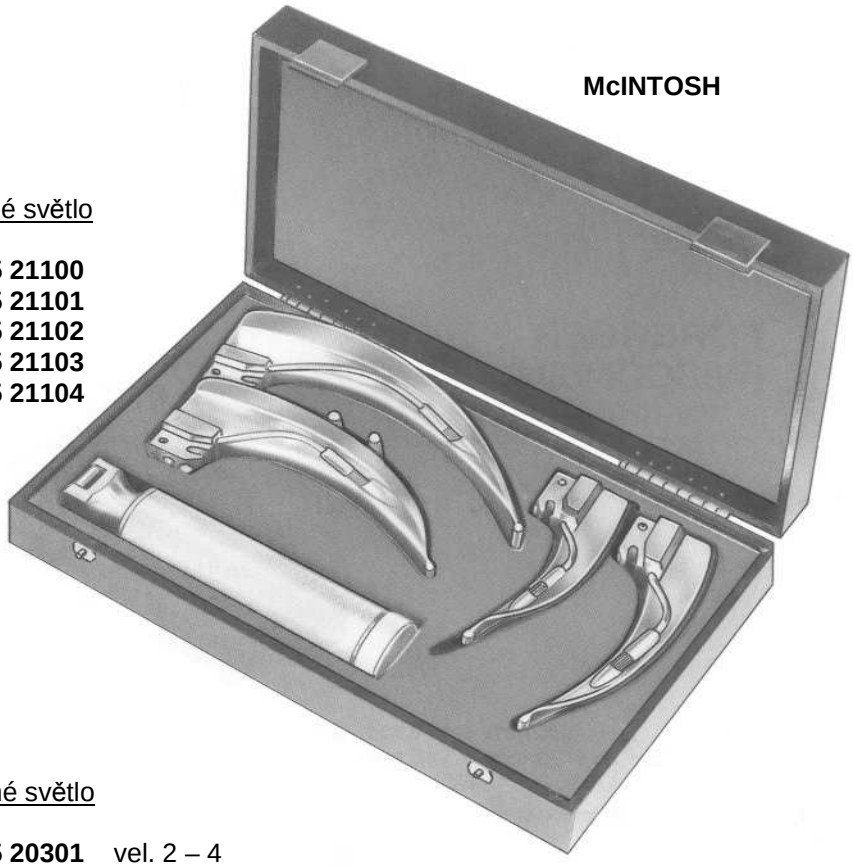
1/2

vel. 3
11,0 cm

1/2

vel. 4
13,5 cm

McINTOSH



standard	studené světlo
vel. 0 ..... **111 05 21000**	**111 05 21100**
vel. 1 ..... **111 05 21001**	**111 05 21101**
vel. 2 ..... **111 05 21002**	**111 05 21102**
vel. 3 ..... **111 05 21003**	**111 05 21103**
vel. 4 ..... **111 05 21004**	**111 05 21104**

standard	studené světlo	
sada 3 ... **111 05 20300**	**111 05 20301**	vel. 2 – 4
sada 4 ... **111 05 20400**	**111 05 20401**	vel. 1 - 4

Diagnostika

1/2

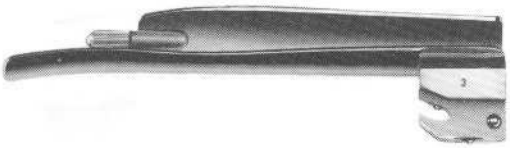
vel. 0
7,0 cm

1/2

vel. 1
9,5 cm

1/2

vel. 2
11,0 cm



1/2

vel. 3
14,0 cm

1/2

vel. 4
17,0 cm

FOREGGER

	standard	studené světlo
vel. 0	**111 08 26200**	**111 08 31200**
vel. 1	**111 08 26201**	**111 08 31201**
vel. 2	**111 08 26202**	**111 08 31202**
vel. 3	**111 08 26203**	**111 08 31203**
vel. 4	**111 08 26204**	**111 08 31204**

	standard	studené světlo	
sada 3	**111 05 22300**	**111 08 31000**	vel. 2 – 4
sada 4	**111 05 22400**	**111 08 31001**	vel. 1 - 4

Diagnostika

1/2

vel. 0
5,5 cm

1/2

vel. 1
8,0 cm

1/2

vel 2
13,0 cm

1/2

vel. 3
17,0 cm

1/2

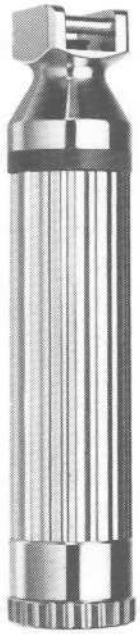
vel. 4
18,0 cm

MILLER

	standard	studené světlo
vel. 0	**111 08 27200**	**111 08 32200**
vel. 1	**111 08 27201**	**111 08 32201**
vel. 2	**111 08 27202**	**111 08 32202**
vel. 3	**111 08 27203**	**111 08 32203**
vel. 4	**111 08 27204**	**111 08 32204**

	standard	studené světlo	
sada 3	**111 08 27000**	**111 08 32000**	vel. 2 – 4
sada 4	**111 08 27001**	**111 08 32001**	vel. 1 - 4

STUDENÉ SVĚTLO



1/2

111 08 34000
∅ 30 mm

1/2

111 08 34100
∅ 20 mm

1/1

111 08 34501
2,5 V
Halogen

1/1

111 08 34502
2,5 V
Krypton

Diagnostika

STANDARD

1/2

111 08 28019
∅ 19 mm

1/2

111 08 28028
∅ 28 mm

1/2

111 08 28037
∅ 37 mm

1/1

111 08 28200
vel. 2 - 4

1/1

111 08 28400
vel. 0 - 1

3B instruments

lékařské nástroje

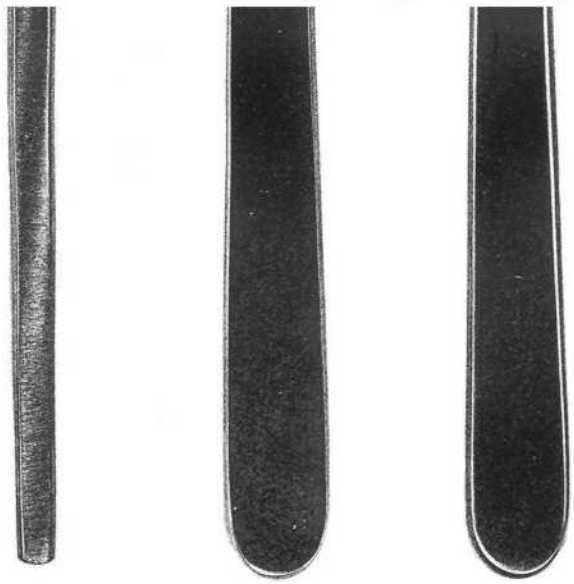
112

Nástroje řezné

Nože na varixy

112 14 SP **112 14 0510** **112 14 0520**

NŮŽ KLAPP **NŮŽ NA VARIXY PLOCHÉ DRŽÁTKO**



Držátka skalpelových čepelek

1/1

112 07 10300

1/1

112 07 10400

1/1

112 07 10302

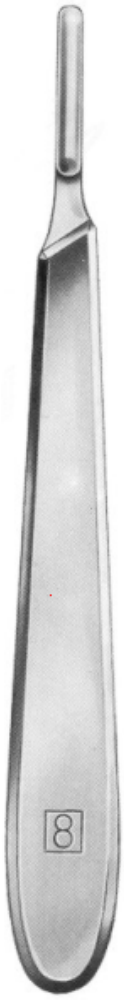
1/1

112 07 10402

Držátka skalpelových čepelek

1/1

112 07 10301



1/1

112 07 10800

1/1

112 07 10700

1/1

AD 065/10
100 mm
pro čepelky
MINI

1/1

AD 065/13
130 mm
pro čepelky
MINI

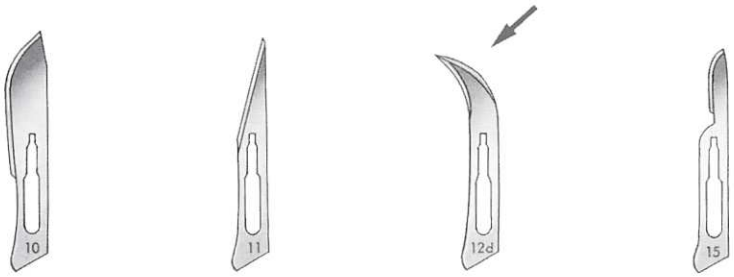
1/1

AD 065/15
155 mm
pro čepelky
MINI

Skalpelové čepelky

Pro držátka skalpelových čepelek

112 07 10300
112 07 10302
112 07 10301
112 07 10700



AD 075/10 tvar 10 | **AD 075/11** tvar 11 | **AD 076/12** tvar 12d | **AD 075/15** tvar 15

baleno po 100 ks

Pro držátka skalpelových čepelek

112 07 10400
112 07 10402
112 07 10800

AD 075/20 tvar 20 | **AD 075/21** tvar 21 | **AD 075/22** tvar 22 | **AD 075/23** tvar 23 | **AD 075/24** tvar 24

baleno po 100 ks

Pro držátka skalpelových čepelek

AD 065/10
AD 065/13
AD 065/15

Čepelky **MINI**

AD 065/61 tvar 61 | **AD 065/62** tvar 62 | **AD 065/63** tvar 62S | **AD 065/64** tvar 64 | **AD 065/65** tvar 65 | **AD 065/67** tvar 67 | **AD 065/69** tvar 69

baleno po 10 ks

Nože patologické

1/2

VIRCHOW
112 07 42008
22,0 cm
ostří – 85 × 22 mm

1/2

VIRCHOW
112 01 0210
28,5 cm
ostří – 160 × 16 mm

1/2

LANGENBECK
112 01 0240
24,0 cm
ostří – 100 × 14 mm

1/2

COLLIN
112 01 0250
25,5 cm
ostří – 115 × 17 mm

1/1

112 02 0010
14,0 cm
ostří – 17 × 4 mm

U ostří je uváděn rozměr čepele – délka × šířka.

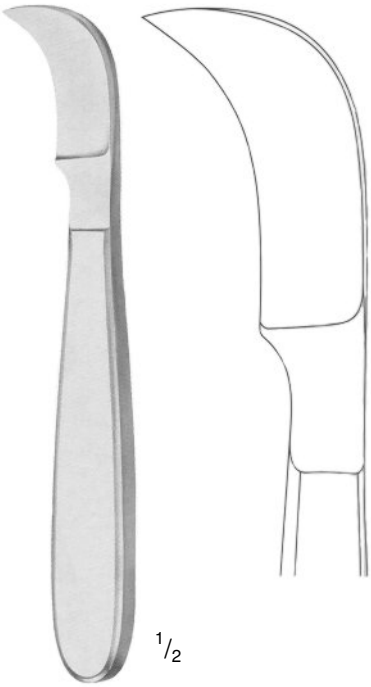
Jehly preparační

112 02 0100
13,5 cm

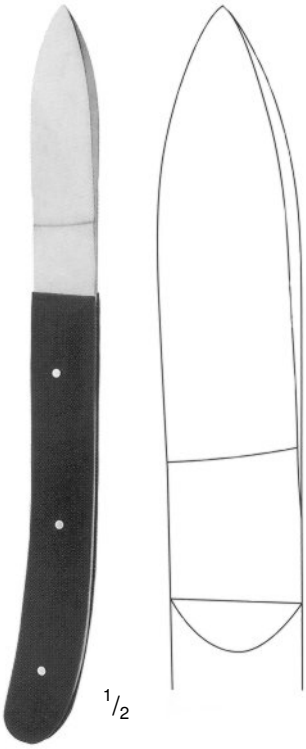
112 02 0110
13,5 cm

klička z odporového drátu
112 02 0410
7,0 cm

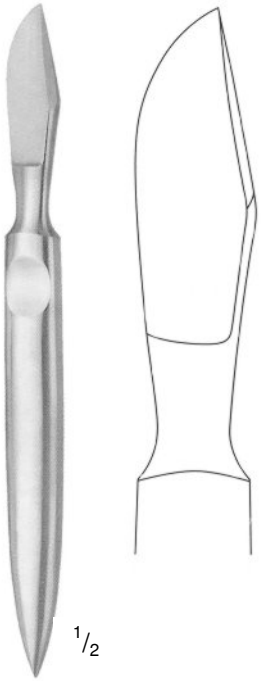
Nože na sádrové obvazy



RIENER
112 05 0010
18,0 cm



HOPKINS
112 31 37020
20,0 cm



ESMARCH
112 31 39018
18,0 cm

Skalpely

1/1

112 08 0060
14,0 cm
ostří – 20 × 5 mm

112 08 0070
15,5 cm
ostří – 30 × 8 mm

112 08 0080
16,5 cm
ostří – 40 ×10 mm

112 08 0090
17,5 cm
ostří – 50 × 11 mm

1/1

112 08 0160
14,0 cm
ostří – 20 × 5 mm

112 08 0170
15,5 cm
ostří – 30 × 7 mm

112 08 0180
16,5 cm
ostří – 40 ×8,5 mm

112 08 0190
17,5 cm
ostří –50 × 10 mm

U ostří je uváděn rozměr čepele – délka × šířka.

Skalpely

1/1

1/1

112 08 0260
17,5 cm
ostří – 24 × 5,5 mm

1/1

112 08 0270
17,5 cm
ostří – 25 ×5 mm

1/1

112 08 0280
17,5 cm
ostří – 25 ×4 mm

1/1

112 08 0290
17,5 cm
ostří –25 × 4 mm

U ostří je uváděn rozměr čepele – délka × šířka.

1/1

112 08 0350
16,5 cm
ostří – 50 ×7 mm

Nůž resekční

1/2

LANGENBECK
112 08 0710
17,0 cm
ostří – 55 ×13 mm

Nože amputační

1/2

LANGENBECK
112 08 0730
24,0 cm
ostří – 115 × 18 mm

1/2

COLLIN

112 08 0740
29,0 cm
ostří – 160 × 17 mm

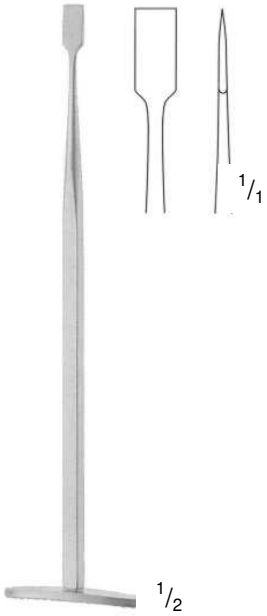
112 08 0770
35,0 cm
ostří – 220 × 19 mm

1/2

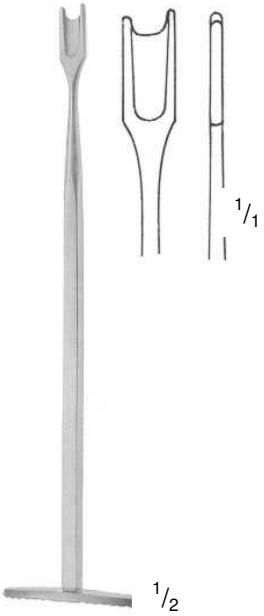
CATLIN
112 08 0790
29,0 cm
ostří – 160 × 17 mm

U ostří je uváděn rozměr čepele – délka × šířka.

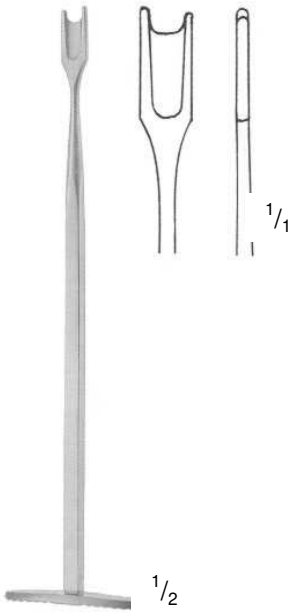
Nůž na meniskus



SMILLIE
112 09 0010
17,0 cm



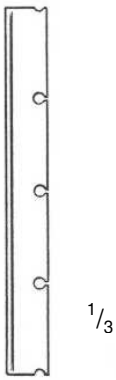
SMILLIE
112 09 0020
17,0 cm



SMILLIE
112 09 0030
17,0 cm

HUMBY
112 12 0120
33,5 cm
čepel – 160 × 18 mm

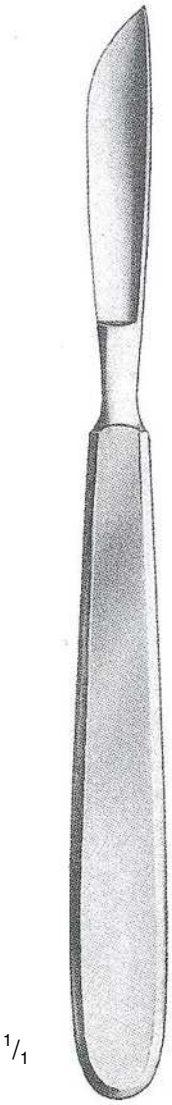
Čepele k transplantačnímu noži



112 12 0130
16,0 cm
čepel – 160 × 80 mm

U ostří je uváděn rozměr čepele – délka × šířka.

Nože, skalpely



1/1

COLLIN

1/1

112 08 22001
vel. 1

1/1

112 08 22002
vel. 2

1/1

112 08 22003
vel. 3

1/1

112 08 22004
vel. 4

1/1

112 08 22005
vel. 5

1/1

112 08 22006
vel. 6

Nože, skalpely

1/2

1/1

112 08 25001
vel. 1

1/1

112 08 25002
vel. 2

1/1

112 08 25003
vel.3

1/1

112 08 25004
vel. 4

1/1

112 08 25005
vel. 5

1/1

112 08 25006
vel. 6

1/1

112 08 25007
vel. 7

1/1

112 08 25008
vel.8

1/1

112 08 25009
vel. 9

1/1

112 08 25015
vel. 15

1/1

112 08 25016
vel. 16

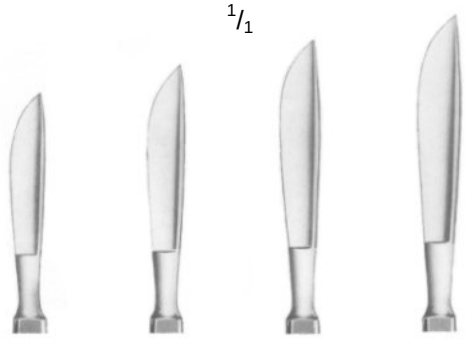
DIEFFENBACH

Nože, skalpely

	WALB	WALB	WALB	VIRCHOW	VIRCHOW	VIRCHOW
	112 08 33011	**112 08 33014**	**112 08 33017**	**112 08 33616**	**112 08 33620**	**112 08 33624**
Čepel:	11,0 cm	14,0 cm	17,0 cm	16,0 cm	20,0 cm	24,0 cm

Skalpely oční

1/1



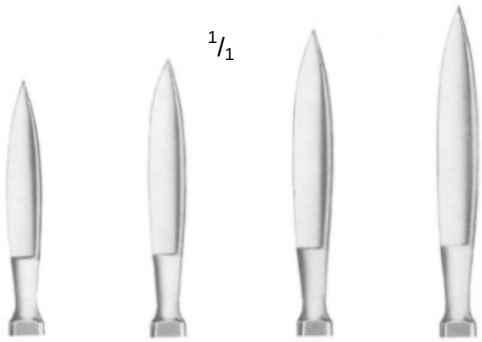
112 38 0010
12,5 cm
ostří – 17 × 4 mm

112 38 0020
12,5 cm
ostří – 20 × 5 mm

112 38 0030
12,5 cm
ostří – 25 × 5 mm

112 38 0040
12,5 cm
ostří - 30 × 6 mm

1/1



112 38 0110
12,5 cm
ostří – 17 × 3 mm

112 38 0120
12,5 cm
ostří – 20 × 4 mm

112 38 0130
12,5 cm
ostří – 25 × 4 mm

112 38 0140
12,5 cm
ostří - 30 × 5 mm

112 38 2200
12,5 cm

1/1

U ostří je uváděn rozměr čepele – délka × šířka.

3B instruments

lékařské nástroje

113

Nůžky

Kostotomy

1/3

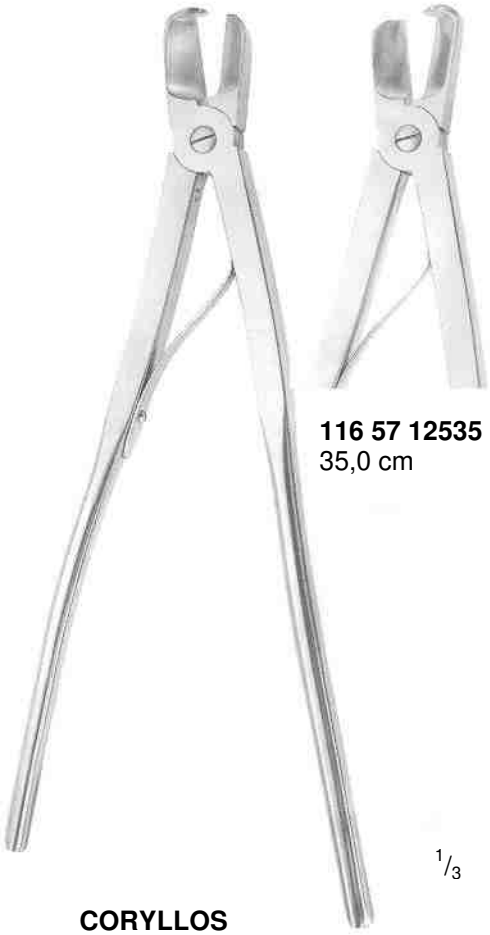
rovné **113 01 0210**
22,0 cm

1/3

113 57 10223
23,0 cm

1/3

GLUCK
113 57 10722
22,0 cm



1/3

116 57 12535
35,0 cm

1/3

CORYLLOS
116 57 12335
35,0 cm

1/3

BETHUNE
116 57 12634
34,0 cm

Kostotomy

1/3

GIERTZ-STILLE
116 57 13727
27,0 cm

SAUERGRUCH-FREY
116 57 14136
36,0 cm

1/3

1/3

BRUNNER
116 57 14728
28,0 cm

1/3

SAUERBRUCH
116 57 13126
26,0 cm

Nůžky

1/3

113 09 77221
21,0 cm

113 09 77421
21,0 cm

1/2

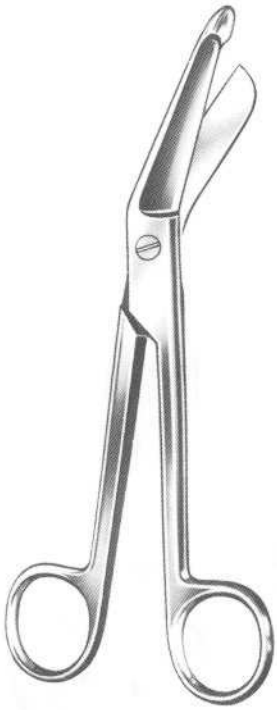
RICHTER
113 05 0020
15,0 cm

RICHTER
113 05 0010
15,0 cm

113 05 0030
15,0 cm

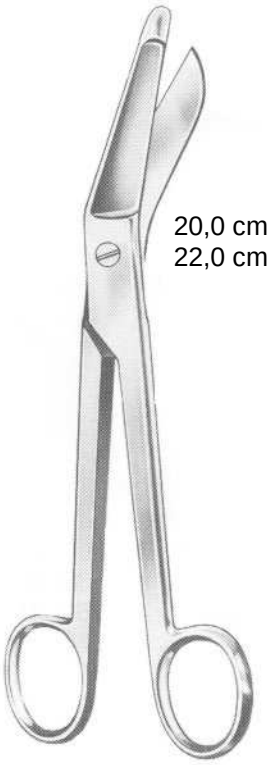
LISTER-EXCENTRIC
113 09 92116 16,0 cm
113 09 92119 19,0 cm

Nůžky



9,0 cm	**113 09 90109**
11,0 cm	**113 09 90111**
14,0 cm	**113 09 90114**
18,0 cm	**113 09 90118**
20,0 cm	**113 05 0040**
24,0 cm	**113 05 0210**

LISTER



20,0 cm	**113 09 91320**
22,0 cm	**113 09 91322**

ESMARCH

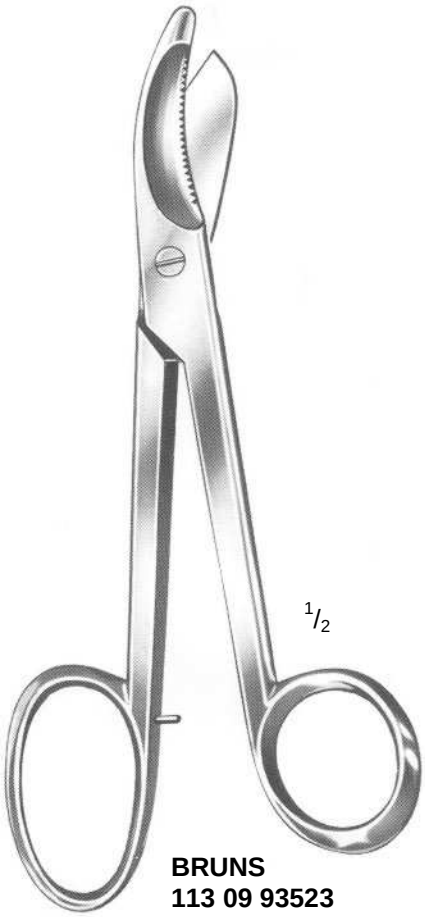
1/2

SENTIN
113 09 91523
23,0 cm

1/2

113 09 94120
20,0 cm

hladké
se zoubky



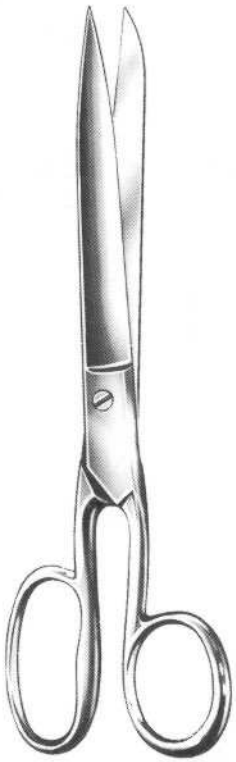
1/2

BRUNS
113 09 93523
113 09 93723
23,0 cm

Nůžky

LORENZ
113 09 93323
23,0 cm

1/2



SMITH US ARMY
113 09 89820
20,0 cm

1/2

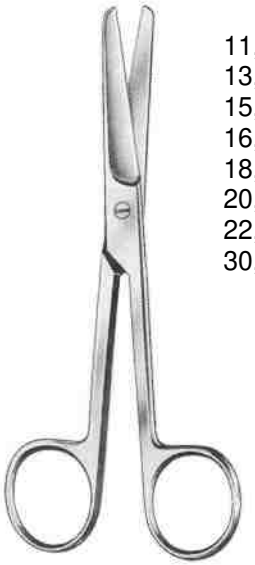
STILLE

23,0 cm	**113 31 10323**
26,0 cm	**113 31 10326**
37,0 cm	**113 31 10337**

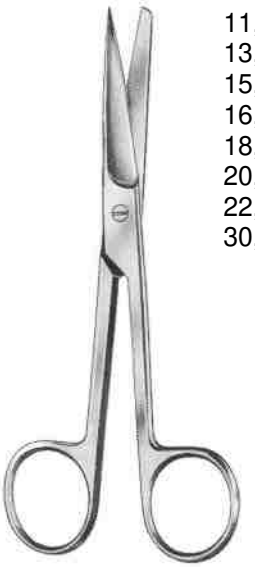
STILLE
113 31 10124
24,0 cm

1/3

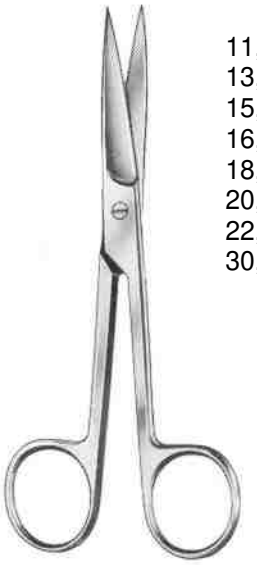
Nůžky chirurgické



	rovné	zahnuté	
11,5 cm	**113 09 10211**	**113 09 10311**	
13,0 cm	**113 08 0210**	**113 08 0510**	
15,0 cm	**113 08 0220**	**113 08 0520**	
16,5 cm	**113 09 10216**	**113 09 10316**	
18,5 cm	**113 08 0240**	**113 08 0540**	
20,0 cm	**113 09 10220**	**113 09 10320**	
22,0 cm	**113 08 0260**	**113 08 0560**	
30,0 cm	**113 09 28030**	**113 09 28130**	**Metzenbaum**



	rovné	zahnuté	
11,5 cm	**113 09 11011**	**113 09 11111**	
13,0 cm	**113 08 0110**	**113 08 0410**	
15,0 cm	**113 08 0120**	**113 08 0420**	
16,5 cm	**113 09 11016**	**113 09 11116**	
18,5 cm	**113 08 0140**	**113 08 0440**	
20,0 cm	**113 09 11020**	**113 09 11120**	
22,0 cm	**113 08 0160**	**113 08 0460**	
30,0 cm	**113 08 12030**	**113 08 12130**	**Metzenbaum**

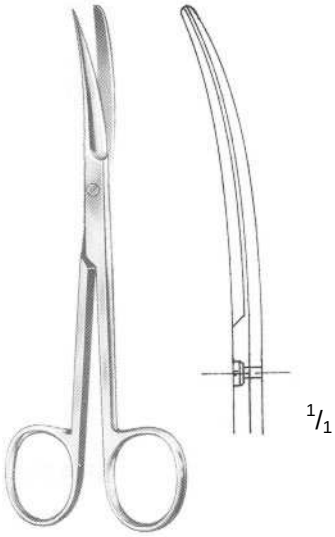


	rovné	zahnuté	
11,5 cm	**113 09 12011**	**113 09 12111**	
13,0 cm	**113 08 0010**	**113 08 0310**	
15,0 cm	**113 08 0020**	**113 08 0320**	
16,5 cm	**113 09 12016**	**113 09 12116**	
18,5 cm	**113 08 0040**	**113 08 0340**	
20,0 cm	**113 09 12020**	**113 09 12120**	
22,0 cm	**113 08 0060**	**113 08 0360**	
30,0 cm	**113 08 13030**	**113 08 13130**	**Metzenbaum**

Nůžky chirurgické

1/2

113 08 0810
15,0 cm

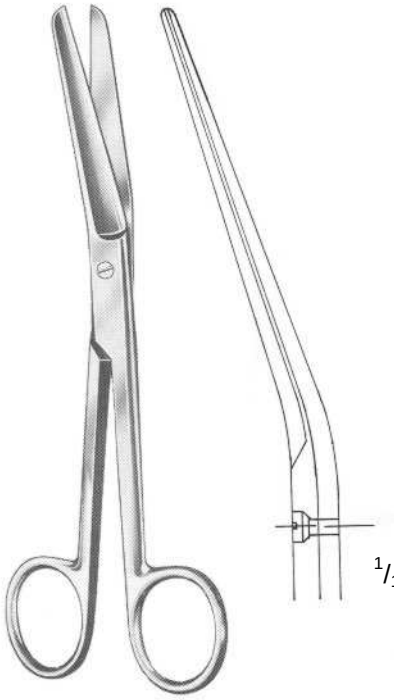


1/1

DEAVER

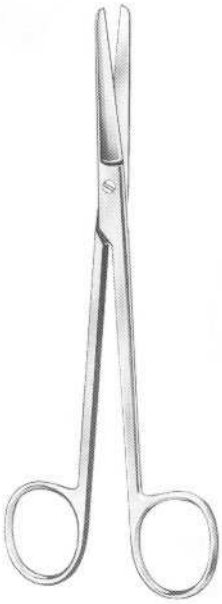
113 09 14014
14,0 cm

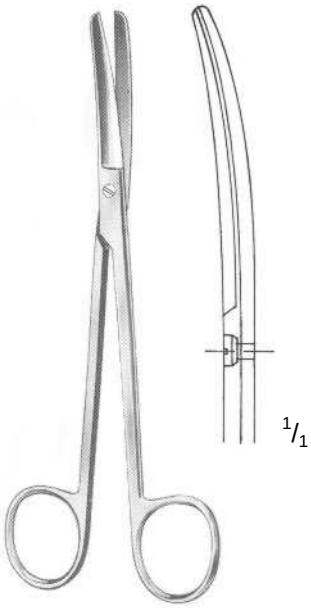
113 09 14114
14,0 cm



1/1

FERGUSSON
113 09 77021
18,0 cm





1/1

DEAVER

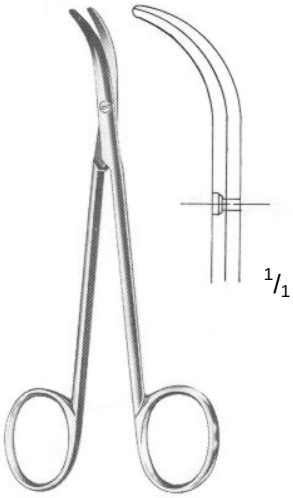
113 09 13014
14,0 cm

113 09 13114
14,0 cm

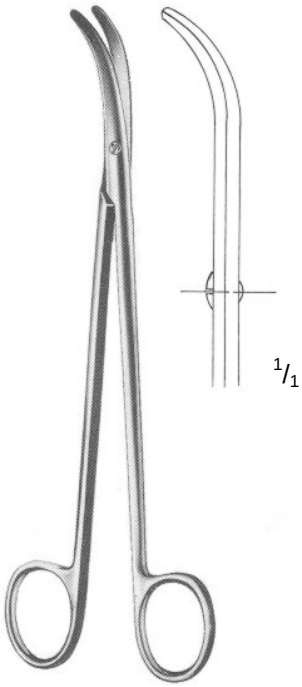
Nůžky chirurgické

113 09 58011
11,0 cm

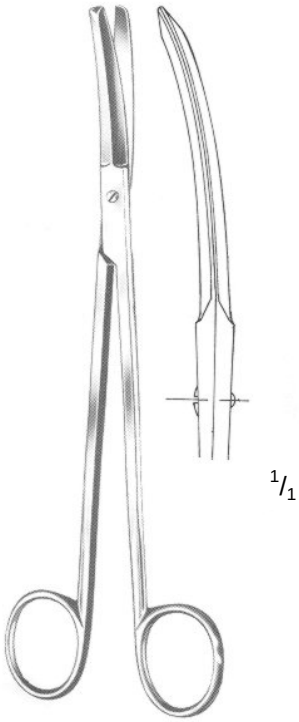
113 09 58111
11,0 cm



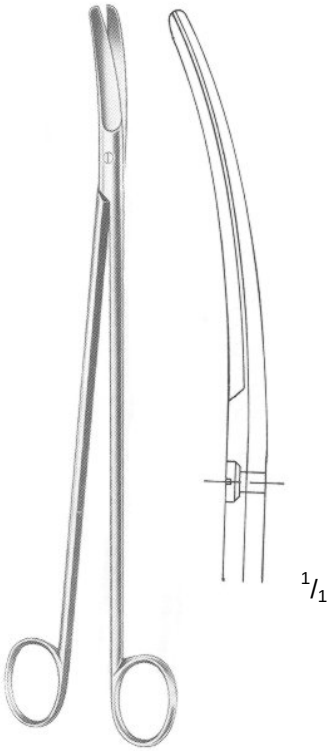
FOMON
113 09 61713
13,0 cm



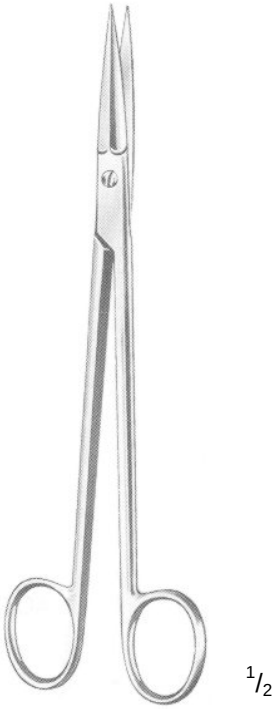
THOREK
113 09 64319 19,0 cm
113 09 64325 25,0 cm



GOOD
113 09 43719
19,0 cm

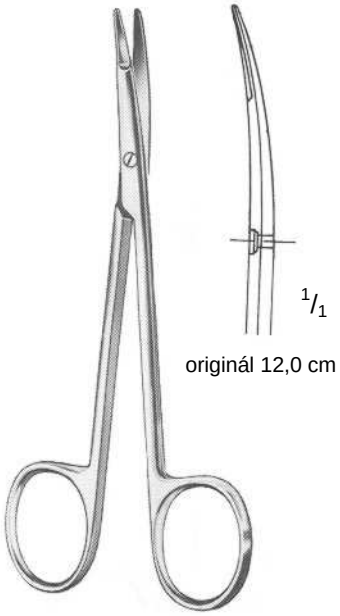


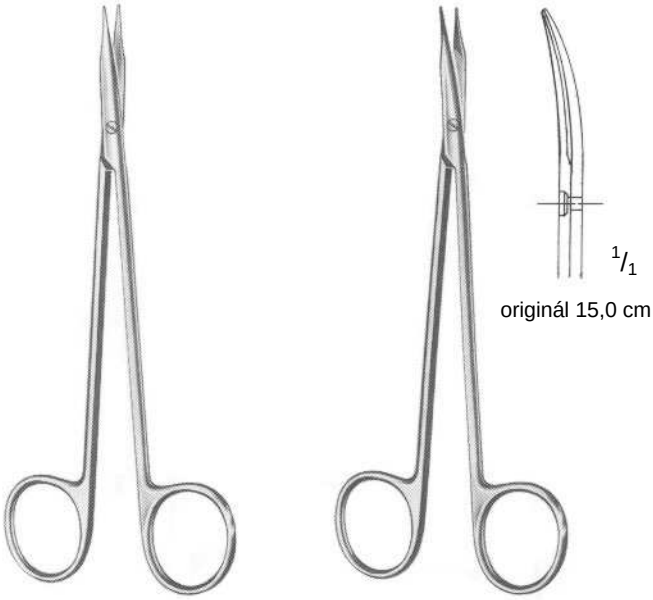
GRAFOORD
113 09 64130
30,0 cm



MC INDOE
113 09 61419
19,0 cm

Nůžky

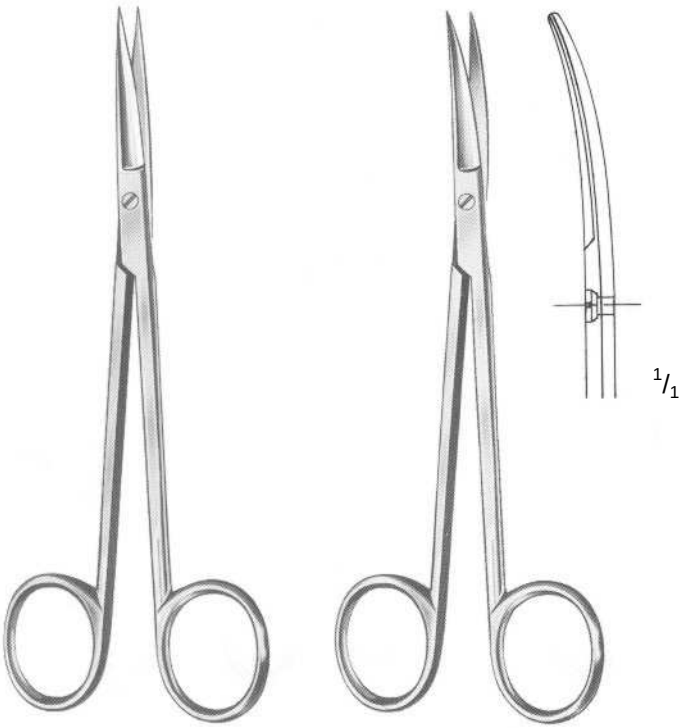




REYNOLDS

113 09 31012	12,0 cm
113 09 31015	15,0 cm

113 09 32015	**113 09 32115**
15,0 cm	15,0 cm



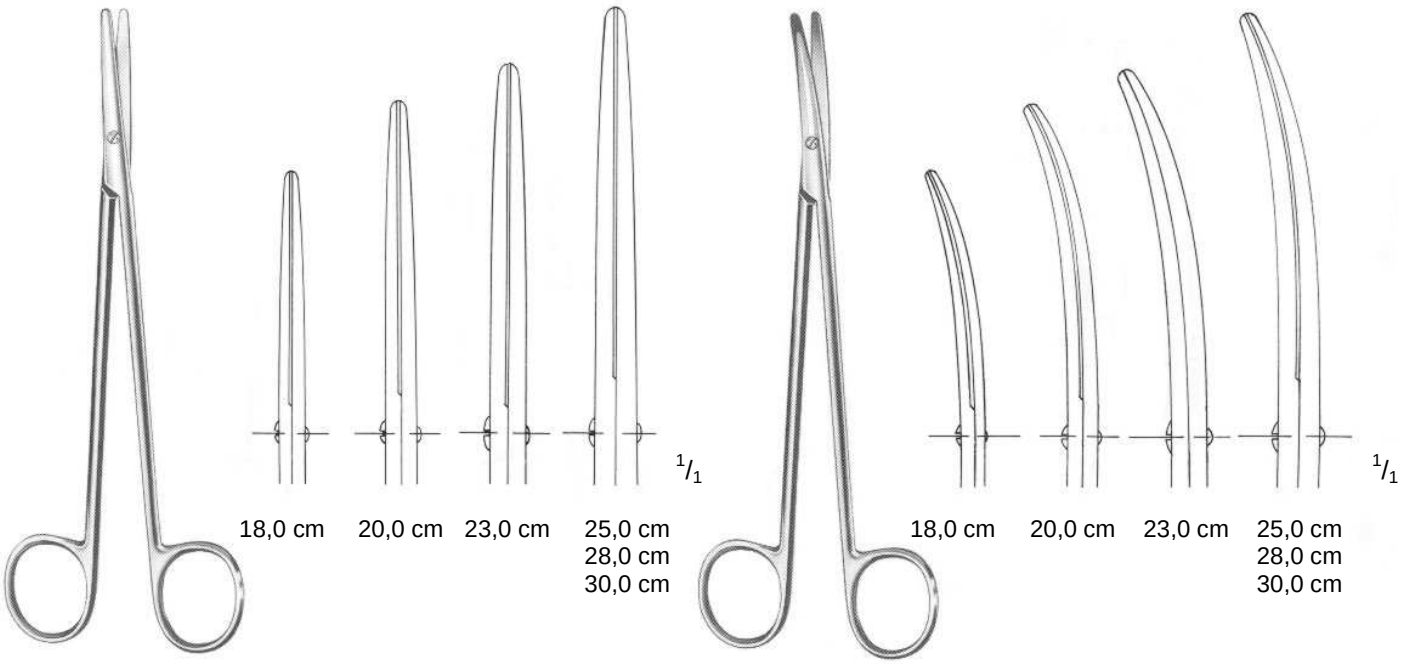
SANVENERO

113 09 30214	**113 09 30314**
14,0 cm	14,0 cm

JOSEPH

113 09 30414	**113 09 30514**
14,0 cm	14,0 cm

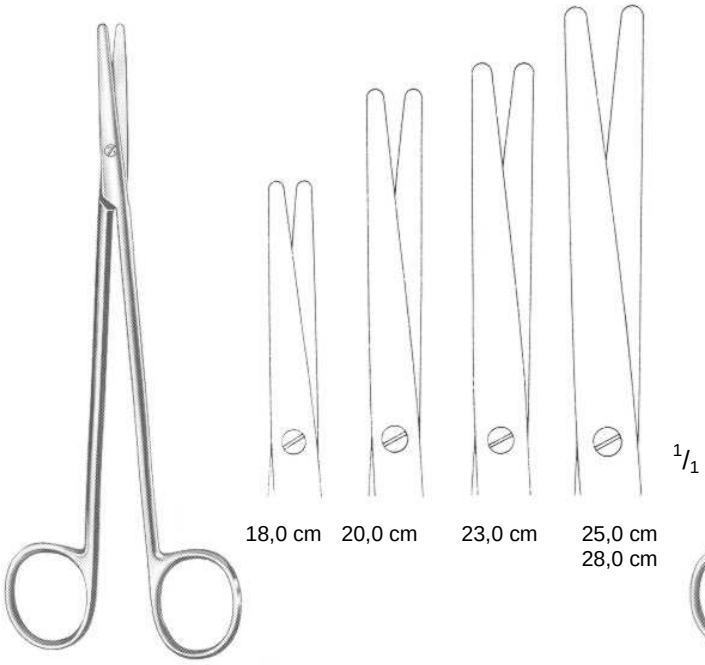
Nůžky preparační

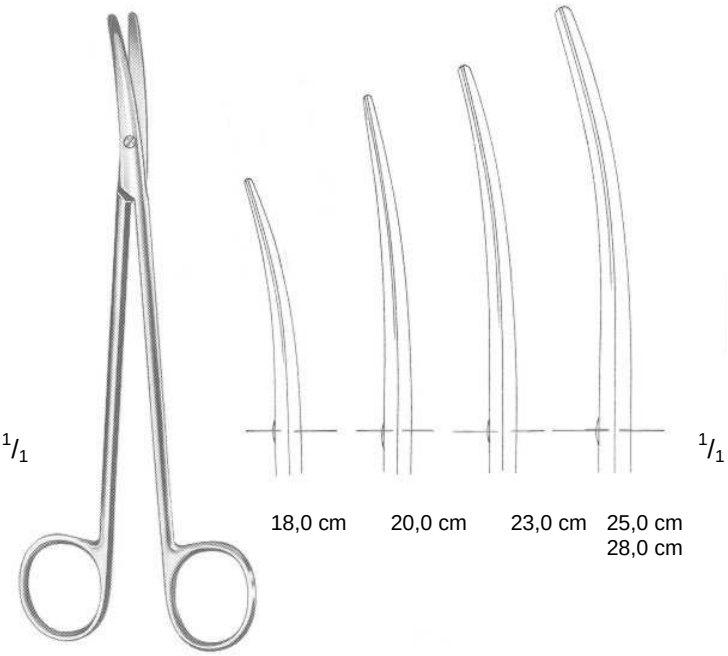


METZENBAUM STANDART

	rovné	zahnuté
12,0 cm	**113 09 28012**	**113 09 28112**
15,0 cm	**113 09 28015**	**113 09 28115**
18,0 cm	**113 09 28018**	**113 09 28118**
20,0 cm	**113 09 28020**	**113 09 28120**
23,0 cm	**113 09 28023**	**113 09 28123**
25,0 cm	**113 09 28025**	**113 09 28125**
28,0 cm	**113 09 28028**	**113 09 28128**
30,0 cm	**113 09 28030**	**113 09 28130**

Nůžky preparační

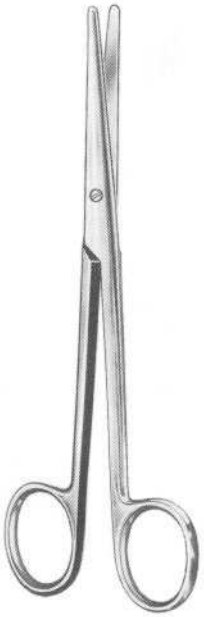




METZENBAUM JEMNÉ

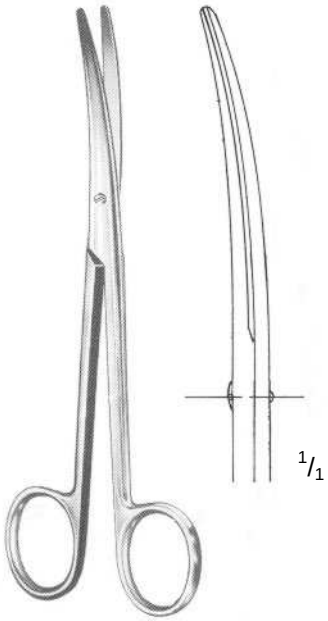
	rovné	zahnuté
15,0 cm	**113 09 28215**	**113 09 28315**
18,0 cm	**113 09 28218**	**113 09 28318**
20,0 cm	**113 09 28220**	**113 09 28320**
23,0 cm	**113 09 28223**	**113 09 28323**
25,0 cm	**113 09 28225**	**113 09 28325**
28,0 cm	**113 09 28228**	**113 09 28328**

Nůžky



1/2

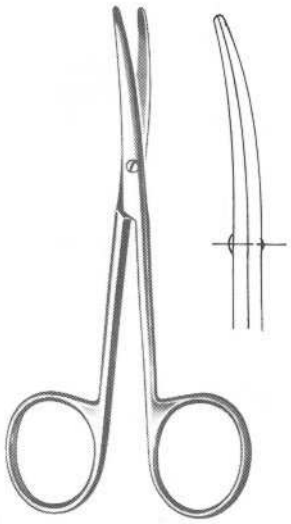
LEXER
113 09 19016
16,0 cm



1/1

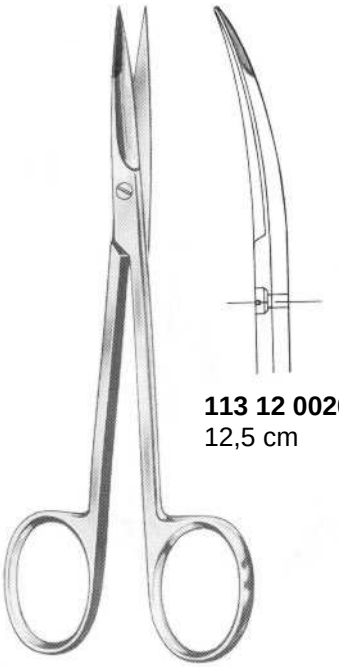
LEXER
113 09 19116
16,0 cm

LEXER-BABY
113 09 20210
10,0 cm



1/1

LEXER-BABY
113 09 20310
10,0 cm



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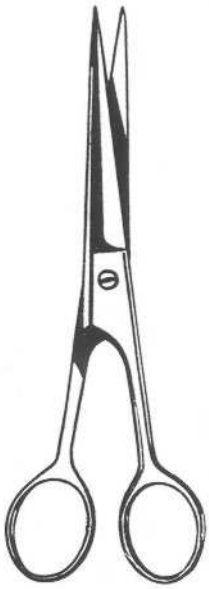
113 12 0020
12,5 cm

113 12 0010
12,0 cm

WAGNER
113 09 82412
12,0 cm

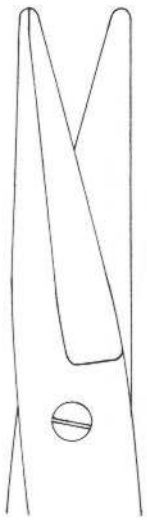
113 09 82512
12,0 cm

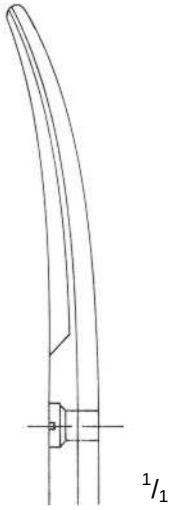


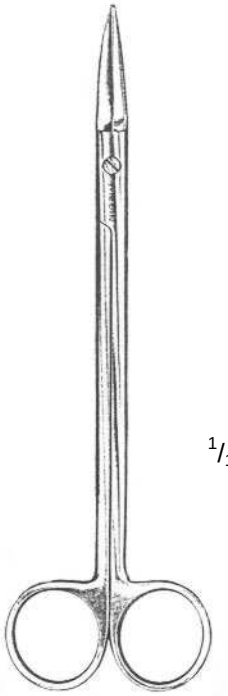
1/2

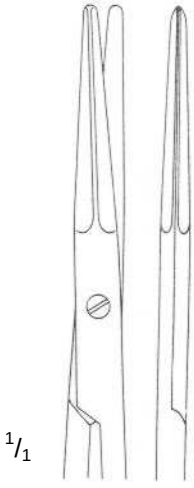
113 08 1000
16,5 cm

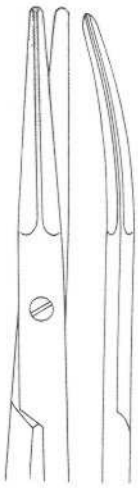
Nůžky











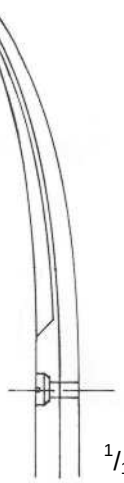
113 08 0880
18,5 cm

113 08 0890
18,5 cm

MAYO-NOBLE

113 08 0830
17,0 cm

113 08 0840
17,0 cm



MAYO

113 09 16014	14,5 cm	**113 09 16114**
113 08 0930	17,0 cm	**113 08 0940**
113 09 16023	23,0 cm	**113 09 16123**

MAYO-STILLE

113 09 17015	15,0 cm	**113 09 17115**
113 09 17017	17,0 cm	**113 09 17117**

Nůžky

1/2

SPENCER
113 09 80211
11,0 cm

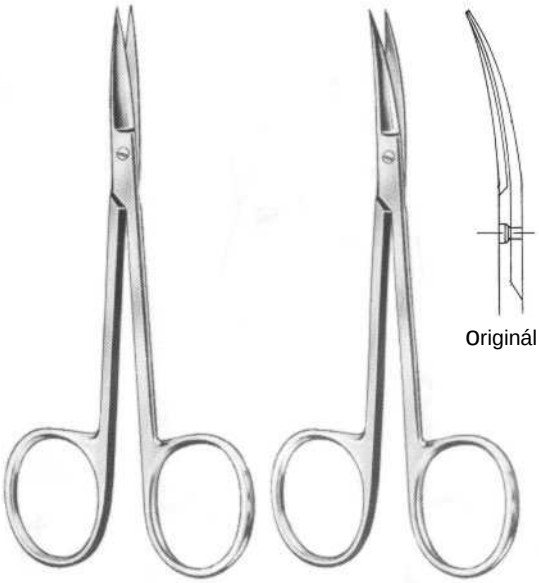
SPENCER
113 09 80209
9,0 cm

LITTAUER
113 09 80414
14,0 cm

NORTHBENT
113 09 80309 9,0 cm
113 09 80313 13,0 cm

HEATH
113 09 80915
15,0 cm

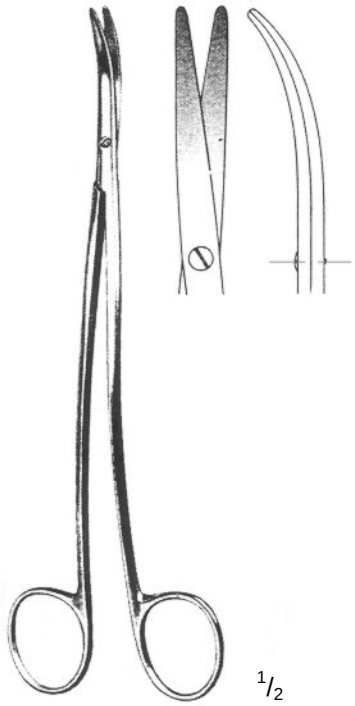
1/2



1/1
Originál 10,0 cm

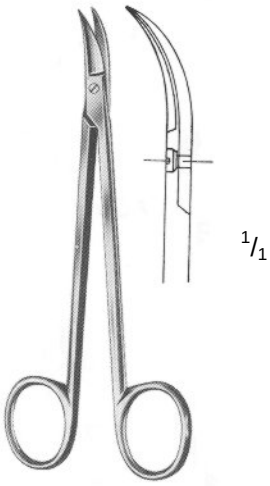
113 09 34009 9,0 cm **113 09 34109**
113 09 34011 11,0 cm **113 09 34111**

Nůžky

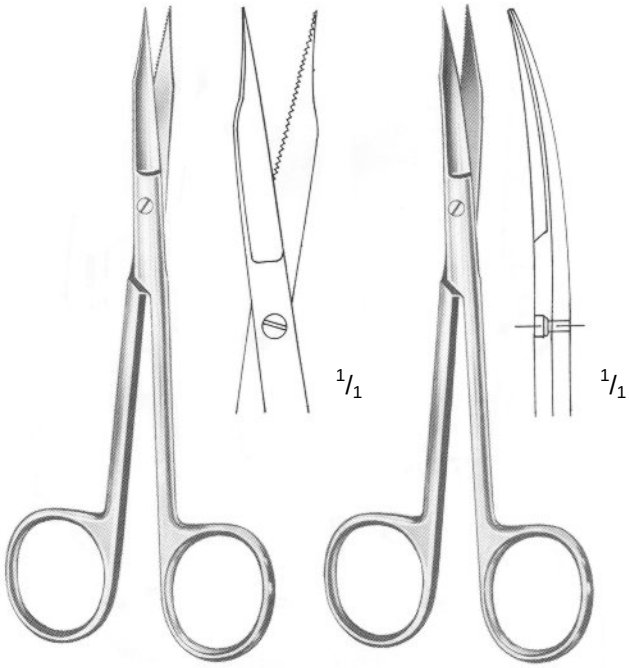


METZENBAUM“S“

113 09 29118	18,0 cm
113 09 29120	20,0 cm
113 09 29123	23,0 cm

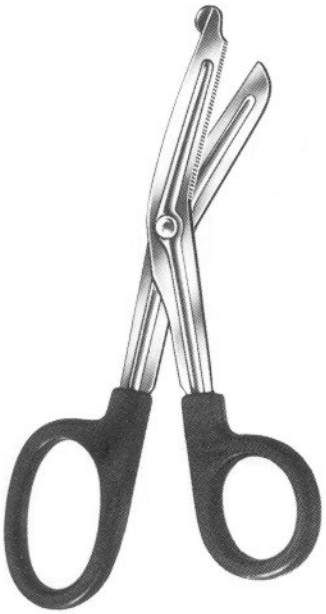


QUINBY
113 09 82712
12,0 cm



GOLDMAN-FOX

113 09 82013	**113 09 82113**
13,0 cm	13,0 cm



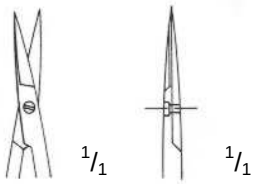
UNIVERSAL

113 09 95015	15,0 cm
113 09 95018	18,0 cm

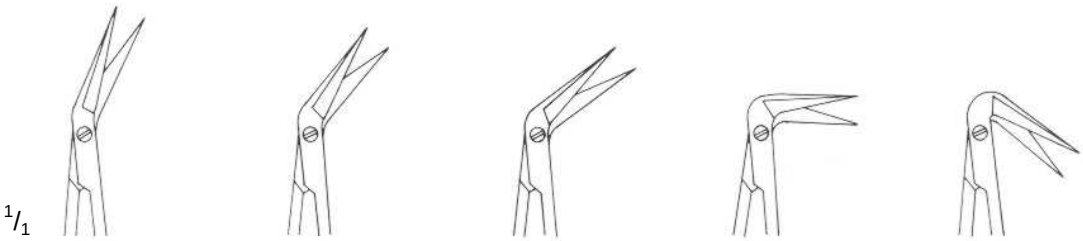
UNIVERSAL
113 09 83112
12,0 cm

TURNBULL
113 75 34113
13,5 cm

Nůžky mikrochirurgické



113 10 32009
9,0 cm



113 08 87001	**113 08 87002**	**113 08 87003**	**113 08 87004**	**113 08 87005**
25°	45°	60°	90°	125°

113 08 87101	**113 08 87102**	**113 08 87103**	**113 08 87104**	**113 08 87105**
25°	45°	60°	90°	125°

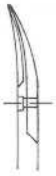
18,0 cm

Nůžky mikrochirurgické

1/1

1/1

113 08 80315



1/1

113 10 31314

GOMEL
14,0 cm

1/1

1/1

113 10 20218

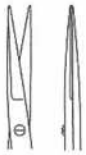
1/1

113 10 20318

18,0 cm

Nůžky mikrochirurgické

Obj. číslo	celková délka
113 64 100	145 mm
113 64 600	180 mm hrotnaté



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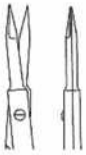
113 64 101	145 mm
113 64 601	180 mm hrotnaté

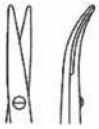
1/1

113 69 115	145 mm
113 69 116	180 mm
113 64 117	230 mm



1/1

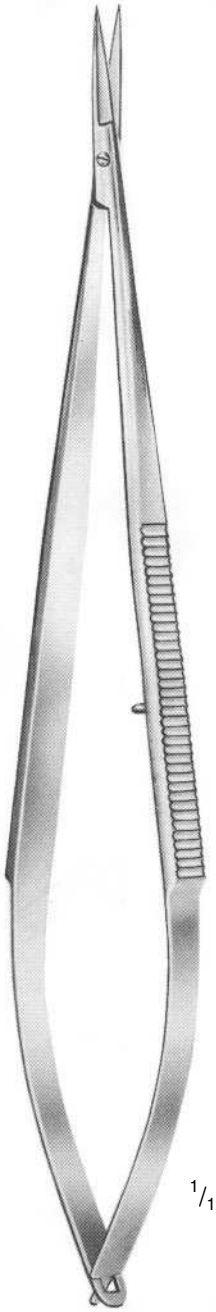
113 64 103	145 mm
113 64 603	180 mm preparační



1/1

1/1

113 64 100
145 mm



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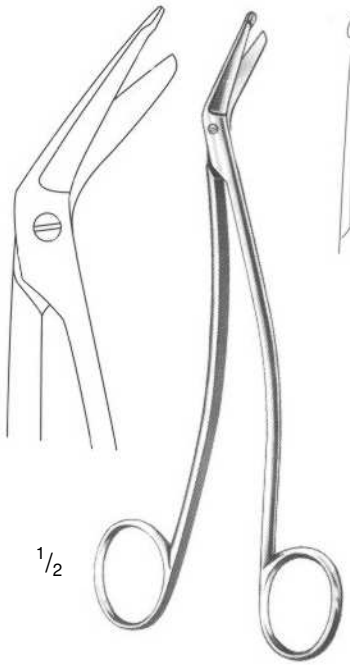
113 10 33019
185 mm

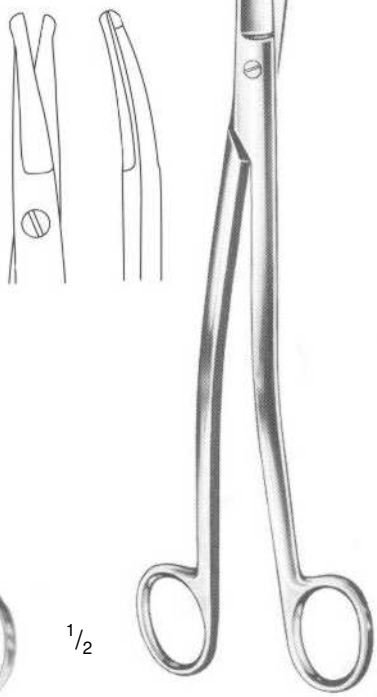
113 10 33119
185 mm

Nůžky

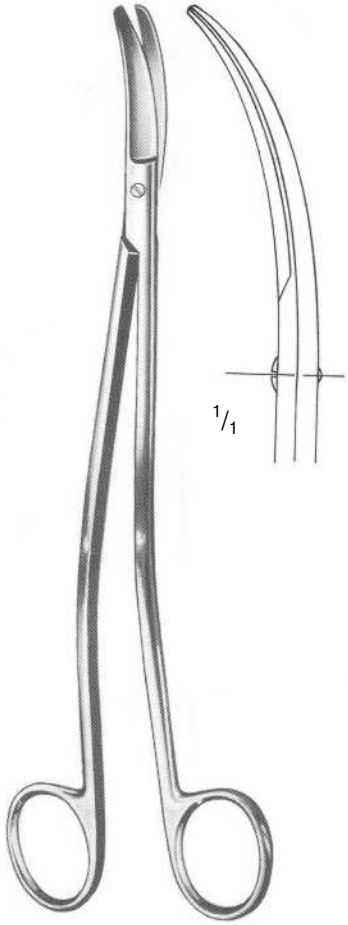


SCHMIEDEN-TAYLOR
113 09 61917
17,0 cm

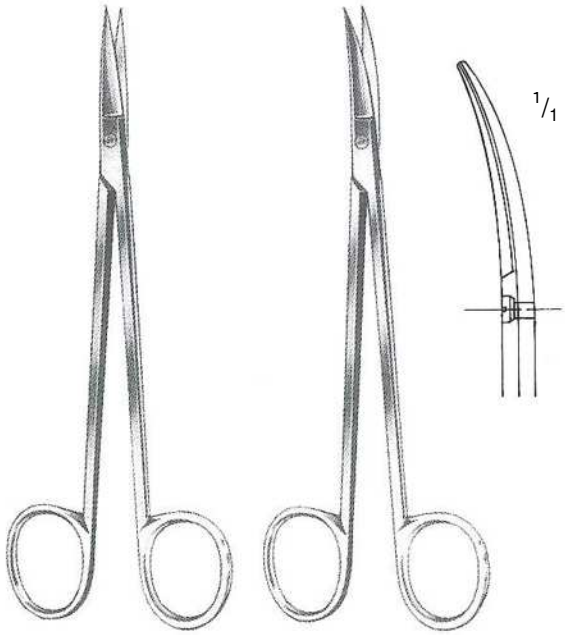
STRULLY
113 09 60122
22,0 cm



KLINKENBERGH-LOTH
113 09 66123
23,0 cm



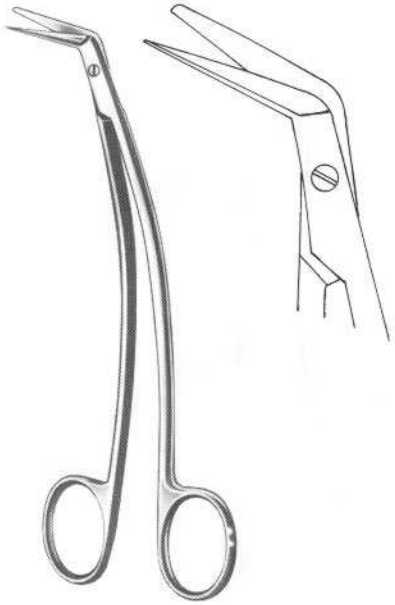
SATINSKY
113 09 65124
24,5 cm



KELLY

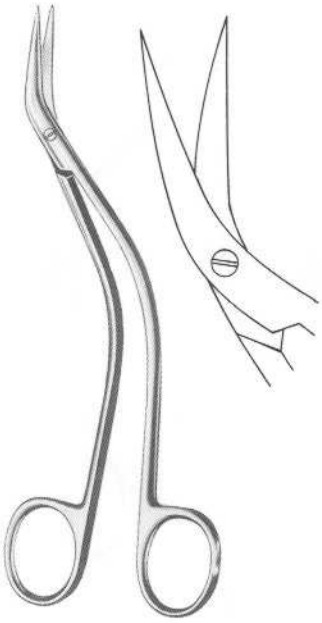
113 09 54016	16,0 cm	**113 09 54116**
113 08 08618	18,0 cm	**113 08 08718**

Nůžky



1/1

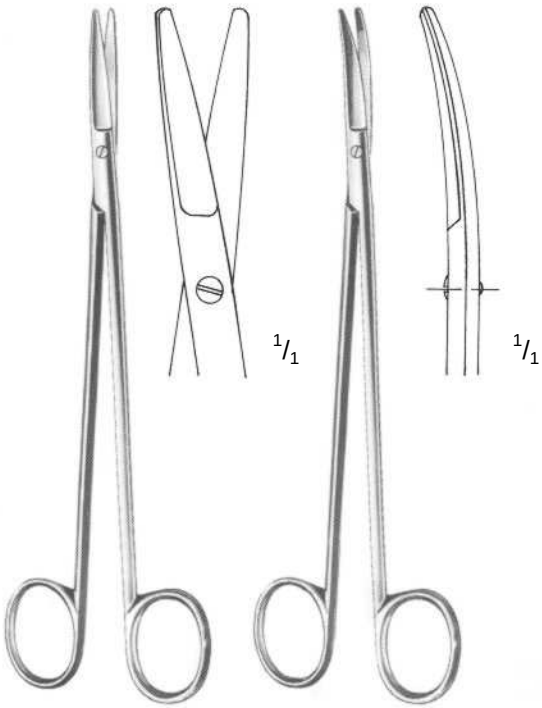
FAVALORO
113 09 49615
15,0 cm



1/1

DE BAKEY
113 09 49715
15,5 cm

POTTS-DE MARTEL
113 09 47321
21,0 cm



1/1 1/1

TOENNIS
113 09 61018
18,0 cm

113 09 61118
18,0 cm

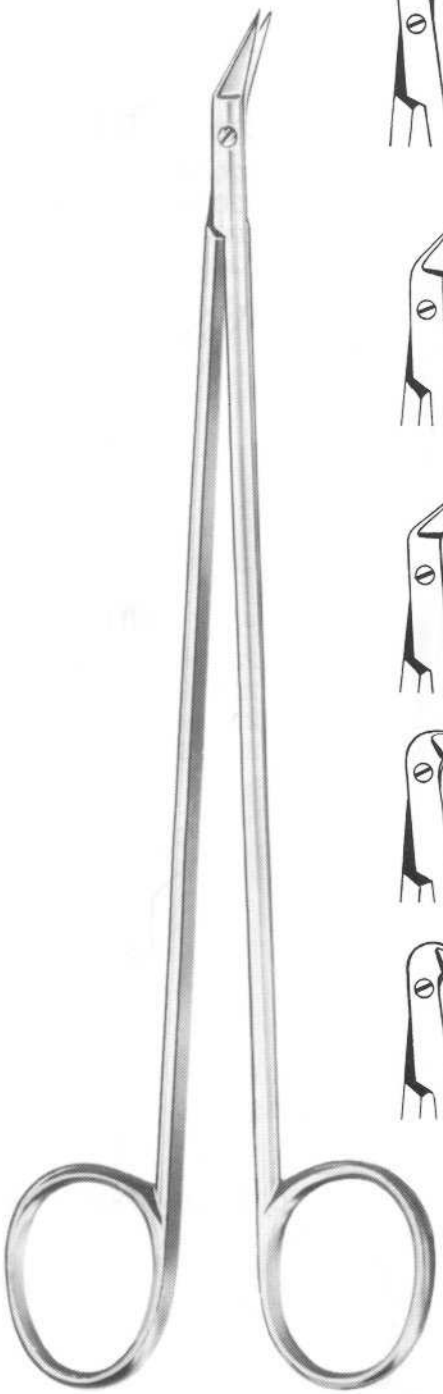
1/2

113 09 46815
15,0 cm

1/2

113 09 47011
11,0 cm

Nůžky



113 09 47525
25°

113 09 47545
45°

113 09 47560
60°

113 09 47590
90°

113 09 47500
125°

1/1

DIETRICH
17,0 cm

125°

1/1

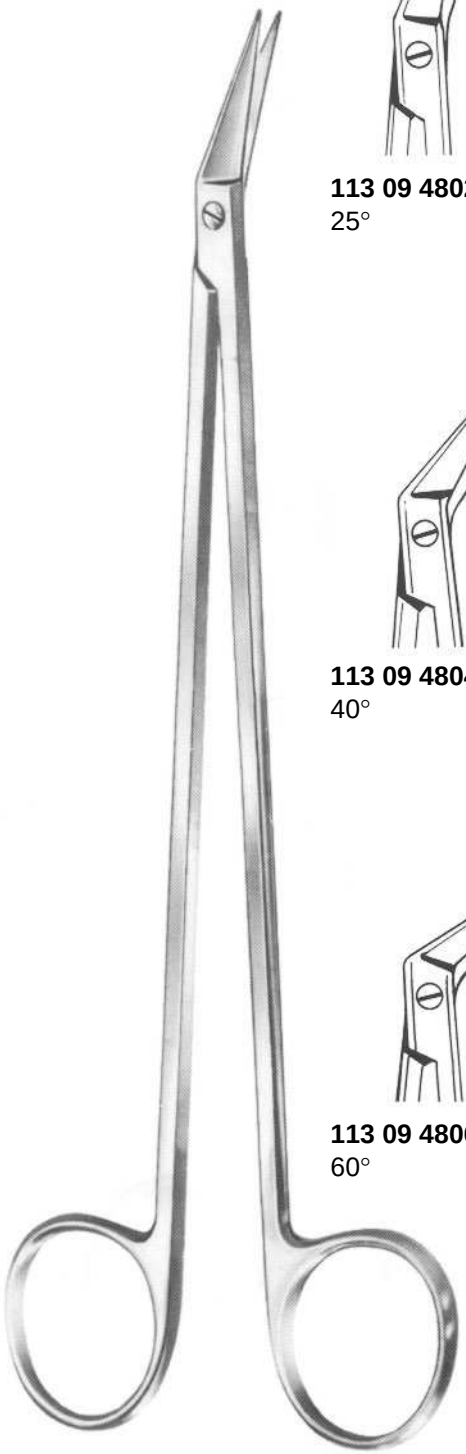
DIETRICH
113 09 47701
17,0 cm

Nůžky

113 09 48025
25°

113 09 48040
40°

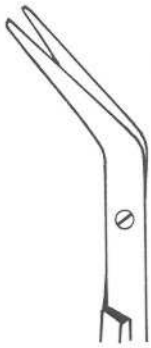
113 09 48060
60°



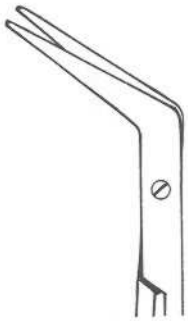
1/1

POTTS-SMITH
19,0cm

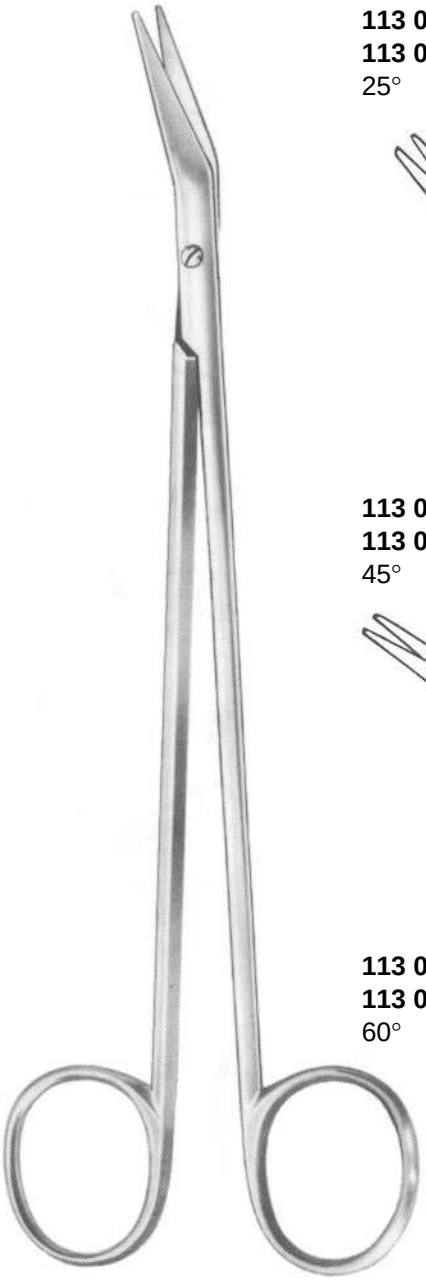
113 09 49016 16,0 cm
113 09 49023 23,0 cm
25°



113 09 49116 16,0 cm
113 09 49123 23,0 cm
45°



113 09 49216 16,0 cm
113 09 49223 23,0 cm
60°



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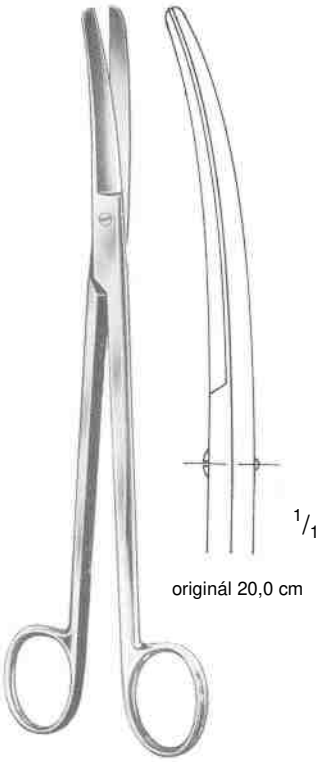
DE BAKEY

Nůžky

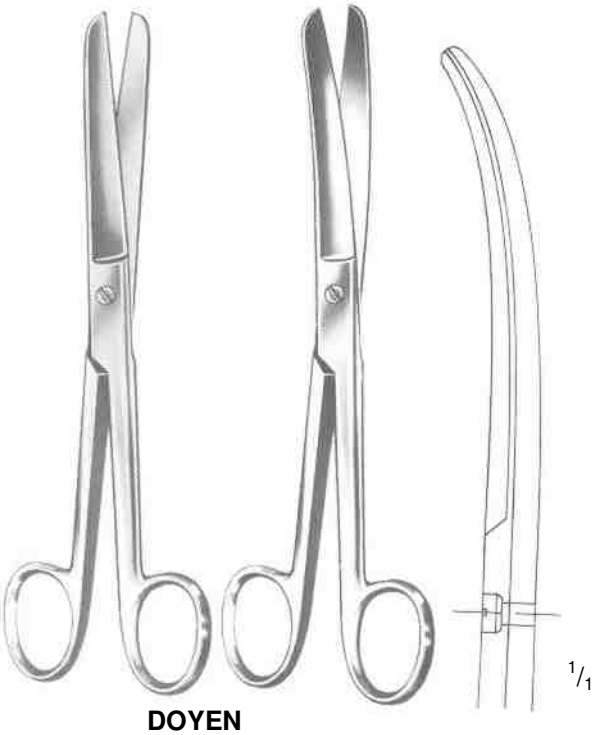


SIMS

113 09 51020	20,0 cm	**113 09 51120**
113 09 51023	23,0 cm	**113 09 51123**

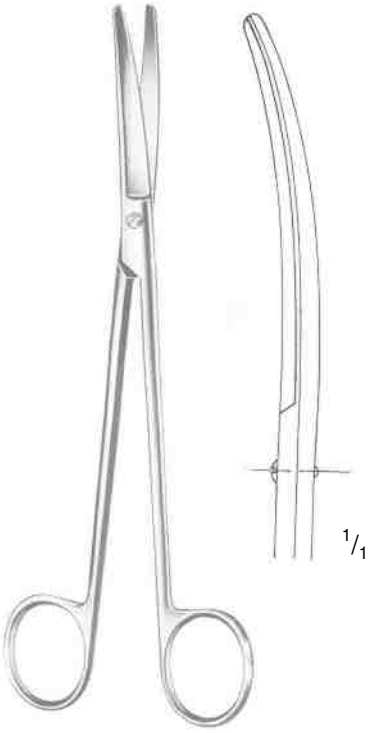
113 09 51220	20,0 cm	**113 09 51320**
113 09 51223	23,0 cm	**113 09 51323**

113 09 51420	20,0 cm	**113 09 51520**
113 09 51423	23,0 cm	**113 09 51523**



DOYEN

113 09 53017	**113 09 53117**
17,5 cm	17,5 cm

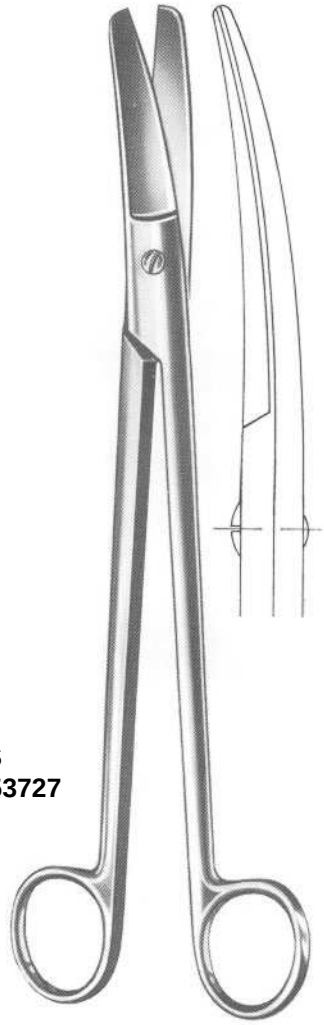


WERTHEIM
113 09 52522
22,5 cm

Nůžky

DUBOIS
113 09 53627
27,0 cm

1/2



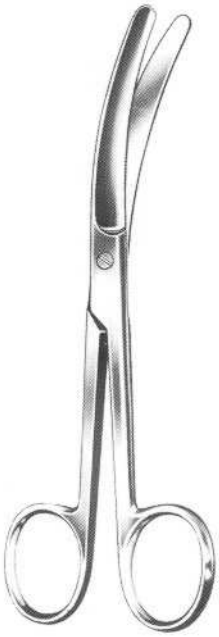
1/1

DUBOIS
113 09 53727
27,0 cm

1/2

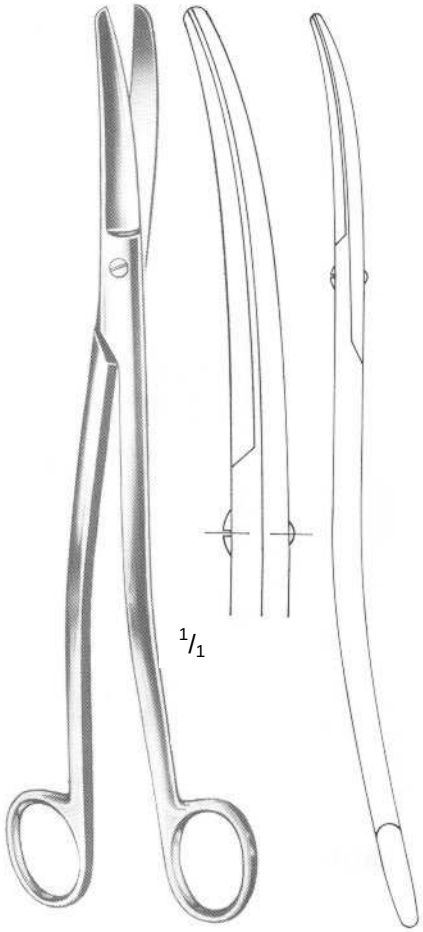
MOD. USA
113 09 55010
10,5 cm

SCHUMACHER
113 09 55316
16,0 cm



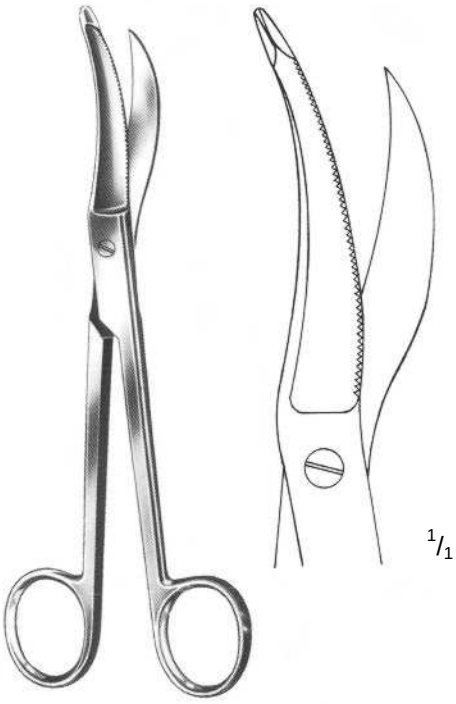
BUSCH
113 09 55116
16,0 cm

Nůžky



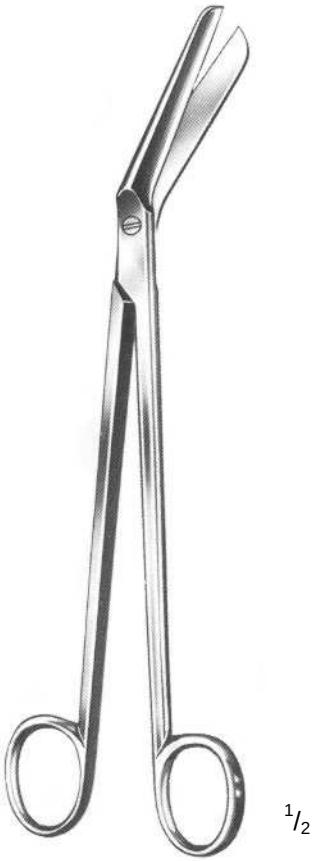
SIEBOLD
113 27 0010
24,0 cm

113 27 1000
19,5 cm



WALDMANN
113 09 54818
18,0 cm

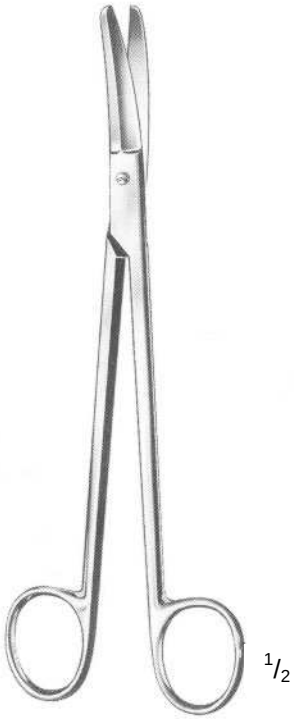
BRAUN-STADLER
113 09 56014
14,5 cm



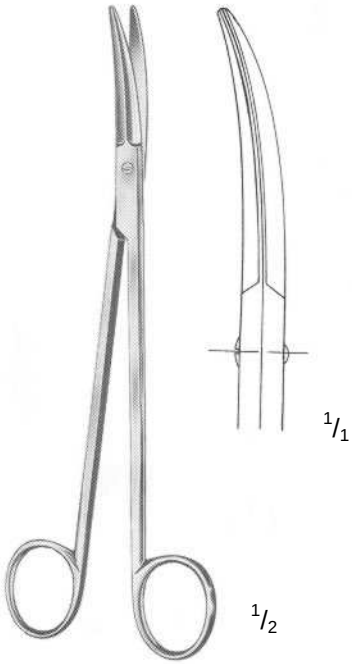
BRAUN-STADLER
113 09 56022
22,0 cm

Nůžky

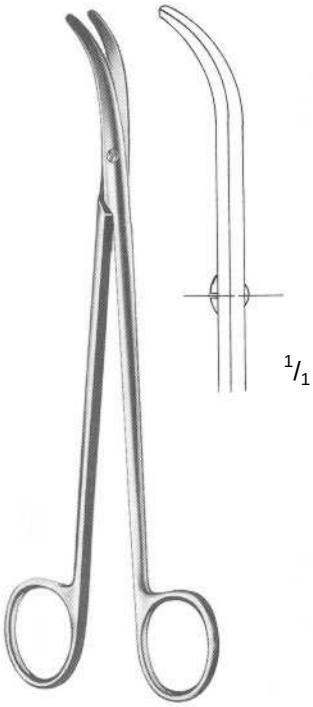
HEYMANN
113 30 0010
18,0 cm



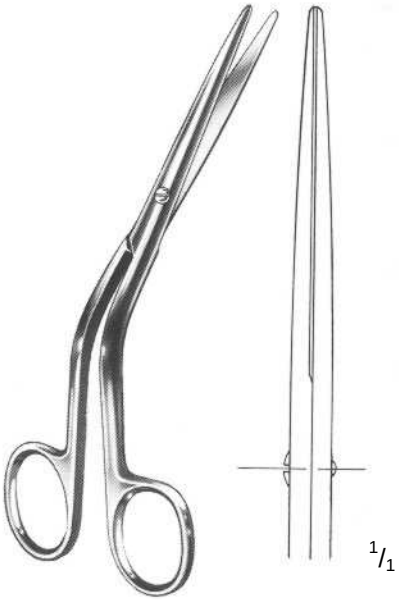
113 32 0010
18,5 cm



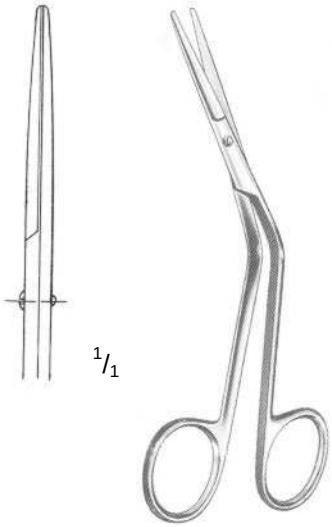
PRINCE
113 09 43917
17,0 cm



HALLE
113 32 31319
19,0 cm



COTTLE
113 09 40516
16,0 cm



FOMON
113 09 40315
15,0 cm

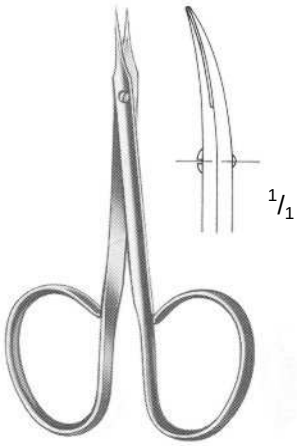
Nůžky oční

	rovné	zahnuté
10,0 cm	**113 38 0010**	**113 38 0040**
11,5 cm	**113 38 0071**	**113 38 0091**

	rovné	zahnuté
10,0 cm	**113 38 0020**	**113 38 0050**
11,5 cm	**113 38 0150**	**113 38 0100**

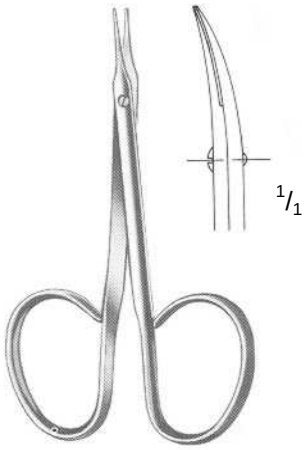
	rovné	zahnuté
10,0 cm	**113 38 0030**	**113 38 0060**
11,5 cm	**113 38 0081**	**113 38 0161**

hrotnaté



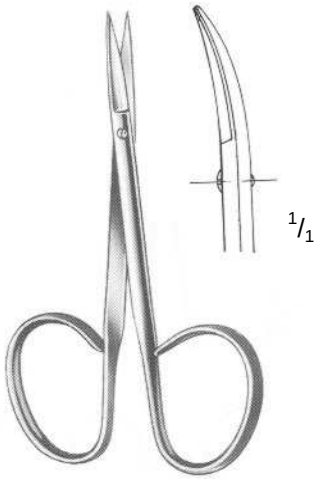
rovné **113 09 35009** 9,5 cm
zahnuté **113 09 35109** 9,5 cm

tupé



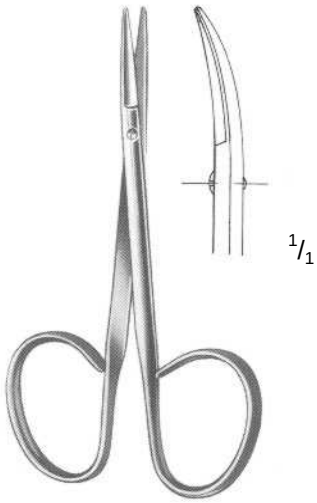
rovné **113 09 35209** 9,5 cm
zahnuté **113 09 35309** 9,5 cm

hrotnaté



rovné **113 09 35410** 10,0 cm
zahnuté **113 09 35510** 10,0 cm

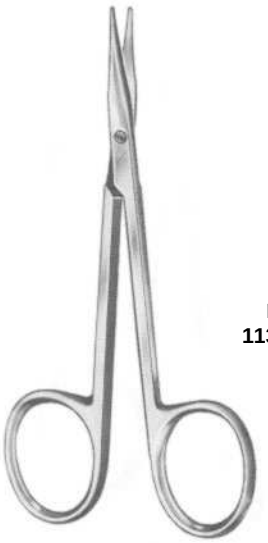
tupé

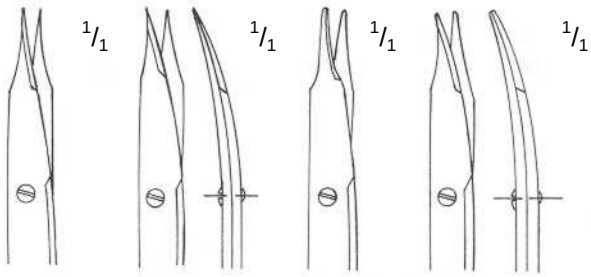


rovné **113 09 35610** 10,0 cm
zahnuté **113 09 35710** 10,0 cm

Nůžky oční

hrotnaté	**113 38 0210**	**113 38 0311**
tupé	**113 38 0260**	10,5 cm
	10,5 cm	

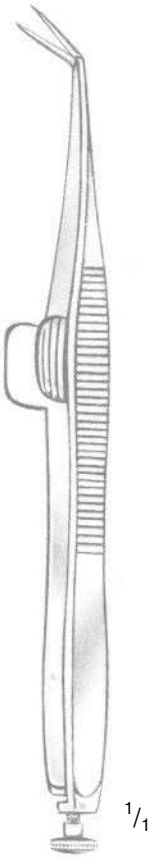




rovné	zahnuté	rovné	zahnuté
113 09 36011	**113 09 36111**	**113 09 36211**	**113 09 36311**

STEVENS
11,0 cm

Nůžky oční

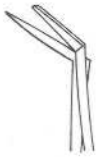


1/1

WECKER
11,0 cm

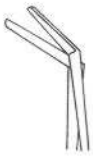
1/1

113 38 0740



1/1

113 38 0750

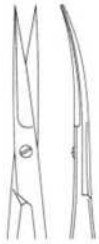


1/1

113 38 0770

BARRAQUER
113 10 11910
délka ostří 10 mm
5,5 cm

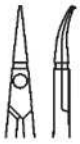
rovné
113 38 0850
13,0 cm



zahnuté
113 38 0860
13,0 cm

1/1

CASTROVIEJO
9,0 cm

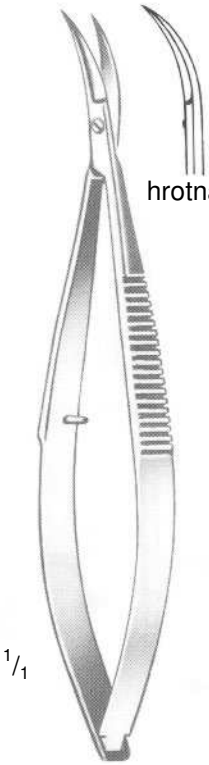


1/1

113 38 1020

1/1

113 38 1030

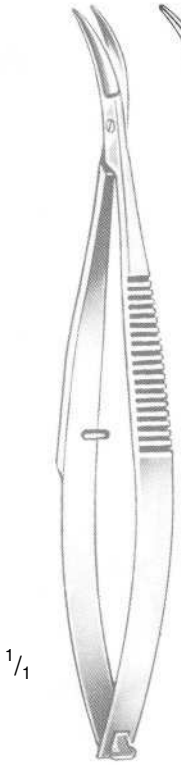


1/1

hrotnaté

1/1

CASTROVIEJO
113 10 13310
10,0 cm



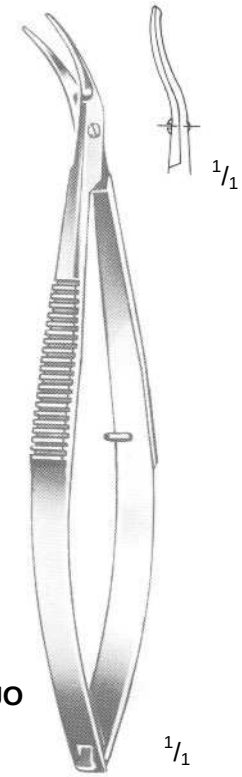
1/1

tupé

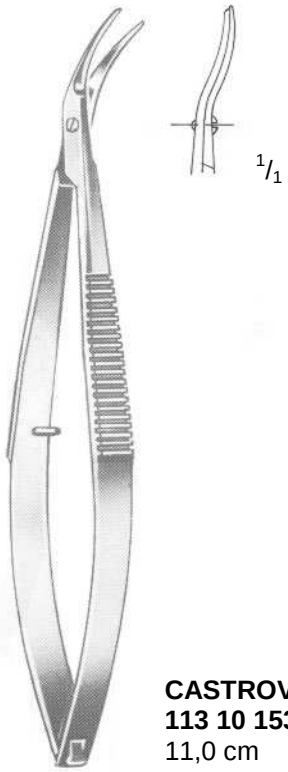
1/1

CASTROVIEJO
113 10 13510
10,0 cm

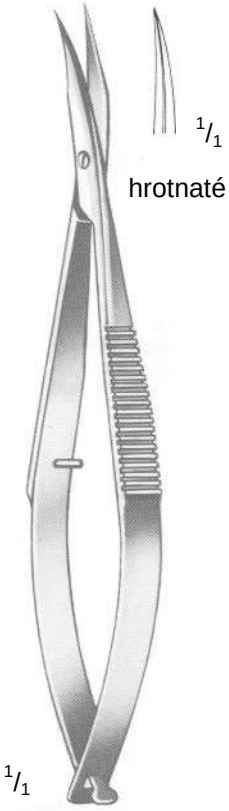
Nůžky oční



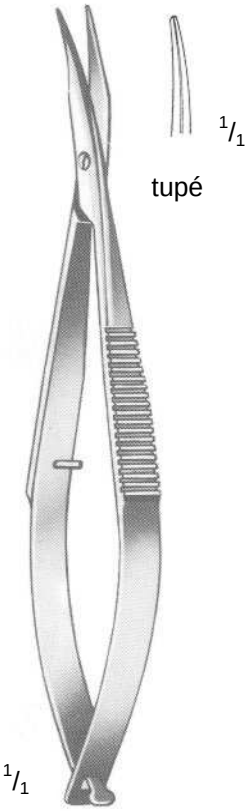
CASTROVIEJO
113 10 15111
11,0 cm



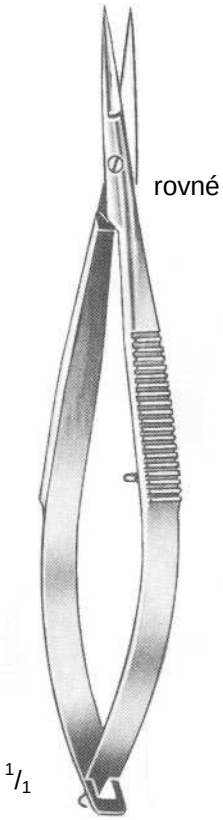
CASTROVIEJO
113 10 15311
11,0 cm



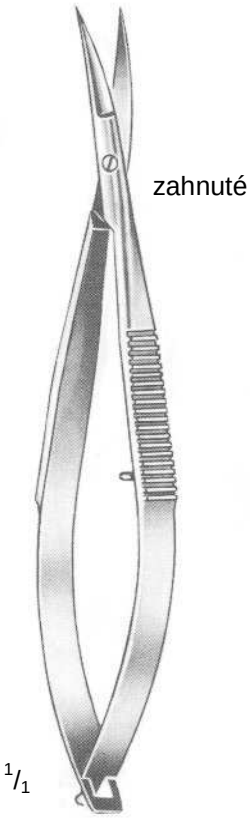
WESTCOTT
113 10 10211
11,0 cm



WESTCOTT
113 10 10411
11,0 cm



NOYES
113 10 11012
12,0 cm



NOYES
113 10 11112
12,0 cm

SC nůžky

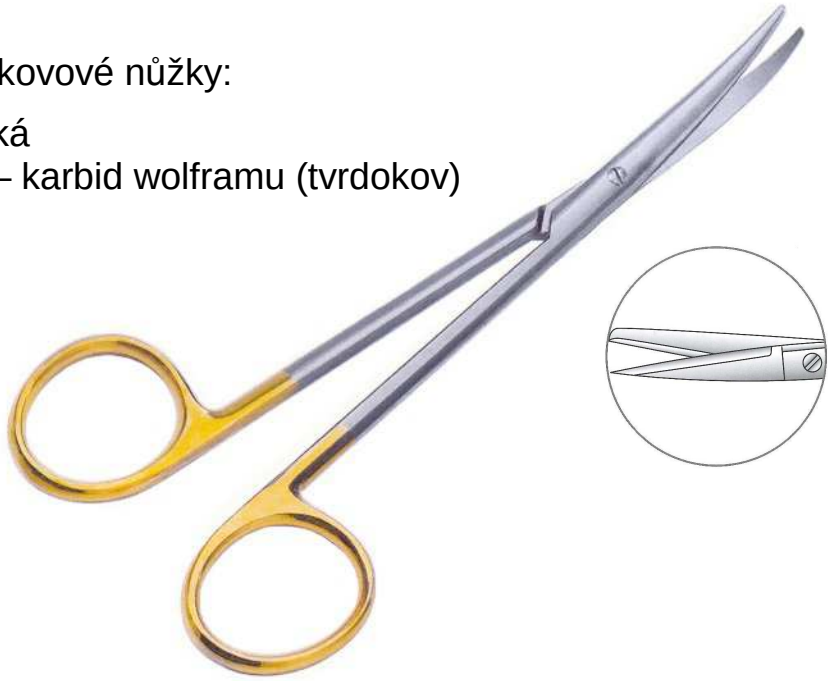
Super cut nůžky:

- hladké horní ostří
- jemně zoubkované spodní ostří
- materiál ostří – nerezová ocel
- černěno

TC nůžky

Tungsten Carbide – tvrdokovové nůžky:

- obě ostří hladká
- materiál ostří – karbid wolframu (tvrdokov)
- zlaceno



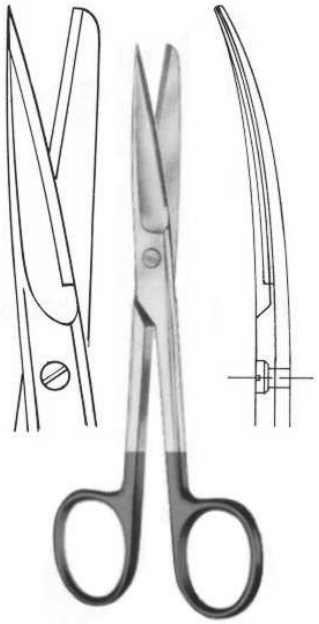
SC-TC nůžky

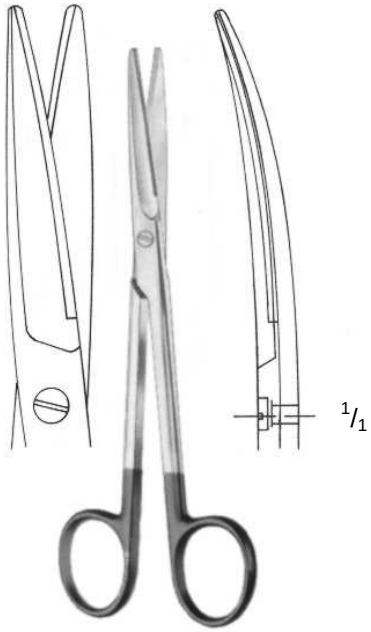
Super cut - - Tvrdokov nůžky:

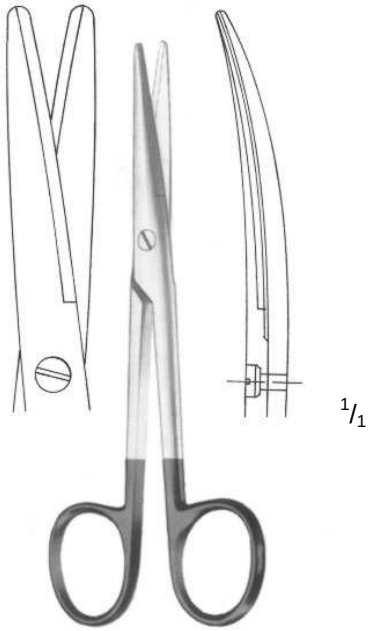
- hladké horní ostří
- jemně zoubkované spodní ostří
- materiál ostří – karbid wolframu (tvrdokov)
- kombinace leštěno - zlaceno

Nůžky

SC







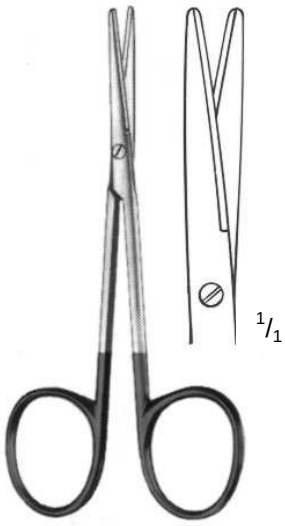
MAYO

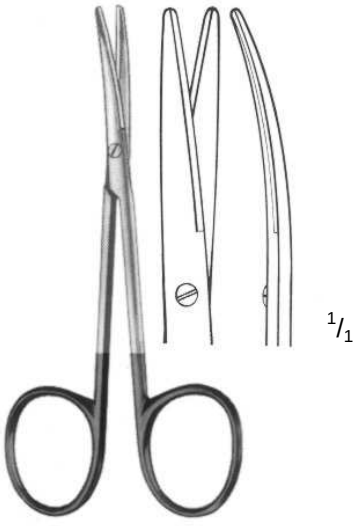
rovné	zahnuté	rovné		zahnuté
113 09 96014	**113 09 96114**	**113 09 96214**	14,5 cm	**113 09 96314**
14,5 cm	14,5 cm	**113 09 96217**	17,0 cm	**113 09 96317**
		113 09 96223	23,0 cm	**113 09 96323**

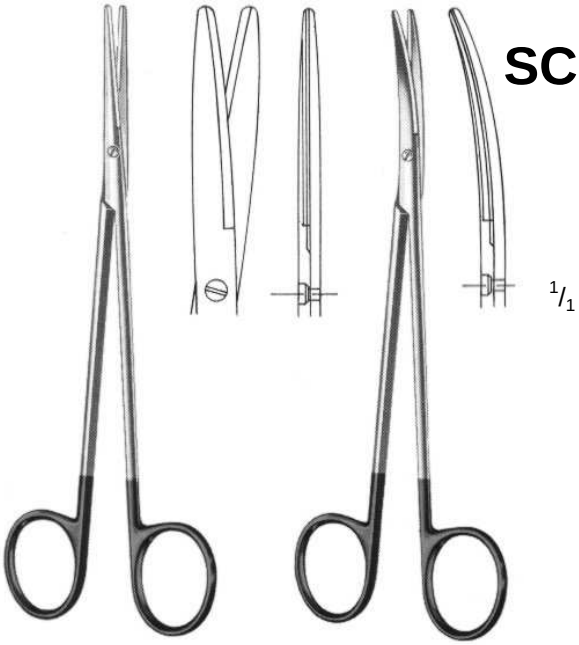
MAYO-STILLE

rovné		zahnuté
113 09 96415	15,0 cm	**113 09 96515**
113 09 96417	17,0 cm	**113 09 96517**

SC







BABY-METZENBAUM

rovné	zahnuté
113 09 96611	**113 09 96711**
11,5 cm	11,5 cm

METZENBAUM

rovné		zahnuté
113 09 97014	14,5 cm	**113 09 97114**
113 09 97018	18,0 cm	**113 09 97118**
113 09 97020	20,0 cm	**113 09 97120**
113 09 97023	23,0 cm	**113 09 97123**

Nůžky

SC

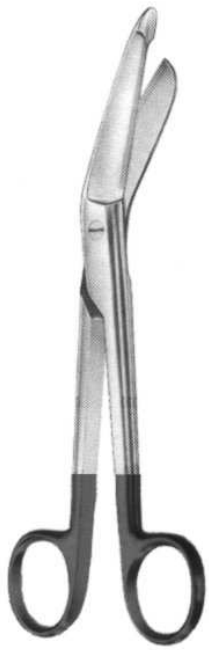
IRIS

rovné	zahnuté
113 09 98011	**113 09 98111**
11,5 cm	11,5 cm

WAGNER

rovné	zahnuté
113 09 98212	**113 09 98312**
12,0 cm	12,0 cm

SC

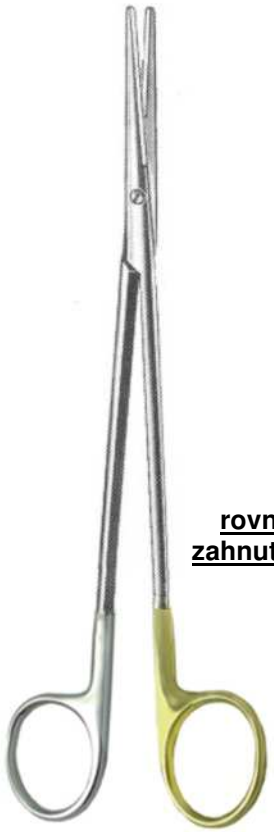


STEVENS

rovné	zahnuté
113 09 98411	**113 09 98511**
11,5 cm	11,5 cm

LISTER

113 09 99014	14,5 cm
113 09 99018	18,0 cm



SC-TC

rovné	**AC 930/14 SC**	**AC 940/18 SC**	**AC 940/20 SC**	**AC 941/23 SC** 23,0 cm
zahnuté	**AC 931/14 SC**	**AC 941/18 SC**	**AC 941/20 SC**	**AC 941/25 SC** 25,0 cm
	14,5 cm	18,0 cm	20,0 cm	

METZENBAUM - STANDARD

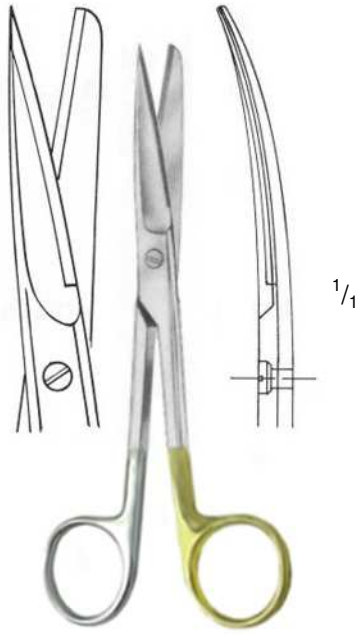
SC-TC

rovné	**AC 960/14 SC**	**AC 970/18 SC**	**AC 970/20 SC**
zahnuté	**AC 961/14 SC**	**AC 971/18 SC**	**AC 971/20 SC**
	14,5 cm	18,0 cm	20,0 cm

METZENBAUM - JEMNÉ

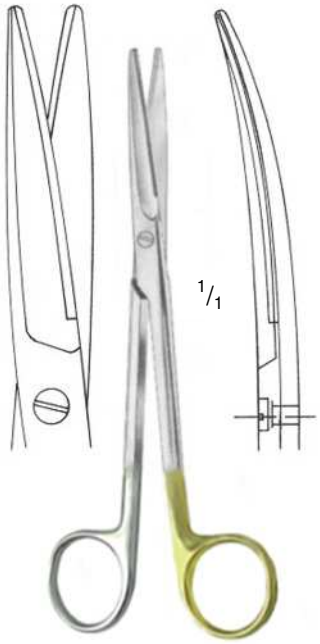
Nůžky

SC-TC



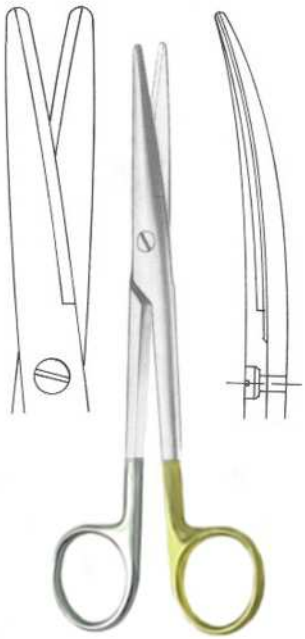
STANDARD

rovné	zahnuté
AC 902/14 SC	**AC 903/14 SC**
14,0 cm	14,0 cm



MAYO

rovné	zahnuté
AC 910/14 SC	**AC 911/14 SC**
14,5 cm	14,5 cm
AC 910/17 SC	**AC 911/17 SC**
17,0 cm	17,0 cm



MAYO-STILLE

rovné	zahnuté
AC 916/15 SC	**AC 917/15 SC**
15,0 cm	15,0 cm
AC 916/17 SC	**AC 917/17 SC**
17,0 cm	17,0 cm

SC-TC

IRIS

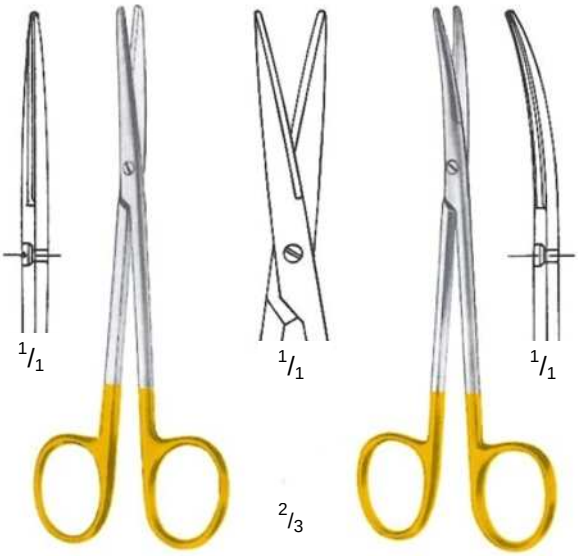
rovné	zahnuté
AC 984/11 SC	**AC 985/11 SC**
11,5 cm	11,5 cm

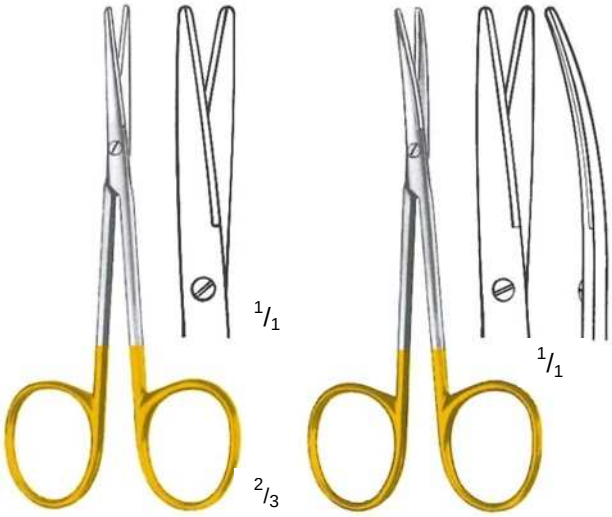
STEVENS

rovné	zahnuté
AC 974/11 SC	**AC 975/11 SC**
11,5 cm	11,5 cm

Nůžky zlacené - tvrdokov

TC





METZENBAUM

113 09 28412
12,0 cm

113 09 28512
12,0 cm

LEXER - BABY

113 09 20610
10,0 cm

113 09 20710
10,0 cm

TC

113 09 34411
11,5 cm

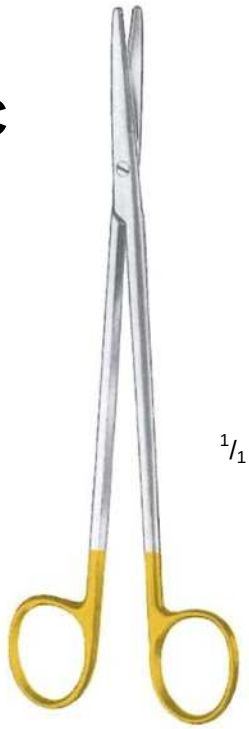
113 09 34511
11,5 cm

113 09 37411
11,5 cm

113 09 37511
11,5 cm

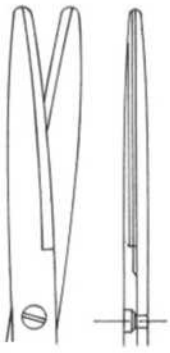
Nůžky zlacené - tvrdokov

TC

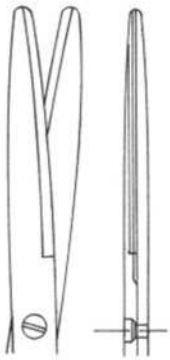


METZENBAUM

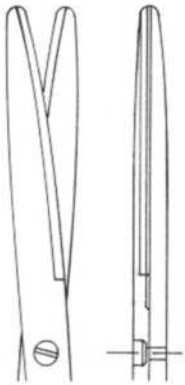
1/1



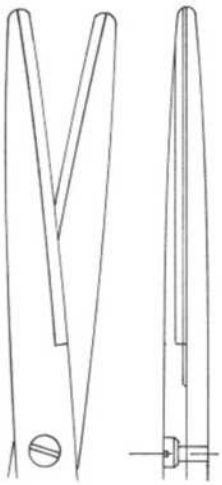
113 09 28415
15,0 cm



113 09 28418
18,0 cm

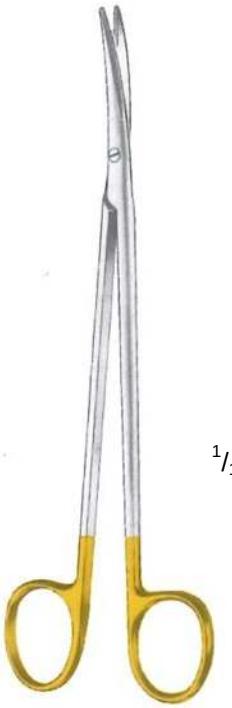


113 09 28420
20,0 cm



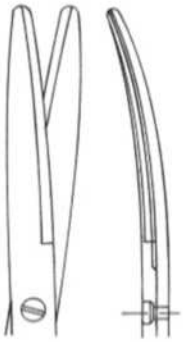
113 09 28423 23,0 cm
113 09 28425 25,0 cm
113 09 28428 28,0 cm
113 09 28430 30,0 cm

TC

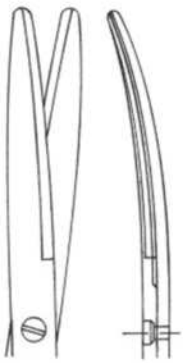


METZENBAUM

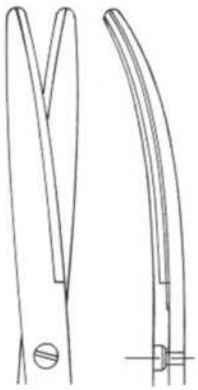
1/1



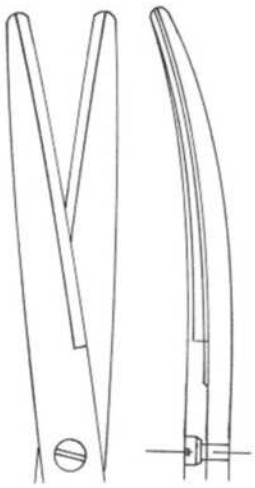
113 09 28515
15,0 cm



113 09 28518
18,0 cm



113 09 28520
20,0 cm

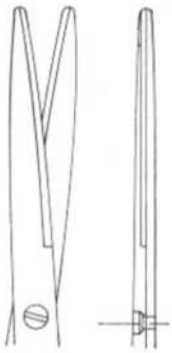


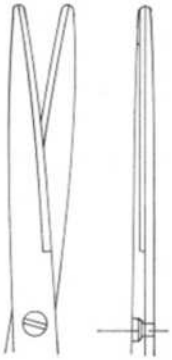
113 09 28523 23,0 cm
113 09 28525 25,0 cm
113 09 28528 28,0 cm
113 09 28530 30,0 cm

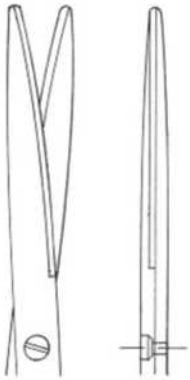
Nůžky zlacené - tvrdokov

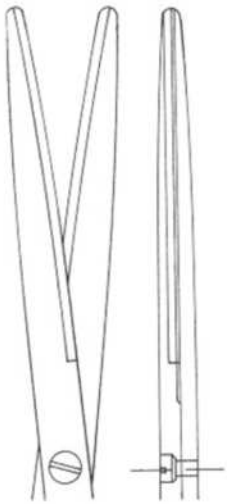
TC

1/1









113 09 28615 15,0 cm

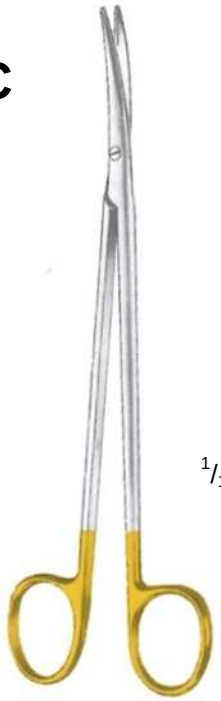
113 09 28618 18,0 cm

113 09 28620 20,0 cm

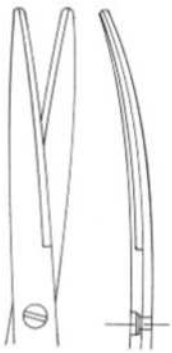
113 09 28623 23,0 cm
113 09 28625 25,0 cm
113 09 28628 28,0 cm

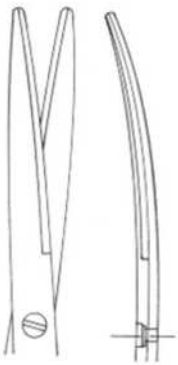
METZENBAUM JEMNÉ

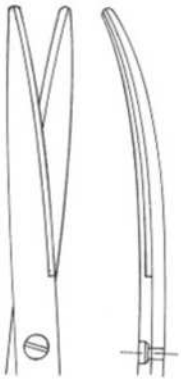
TC

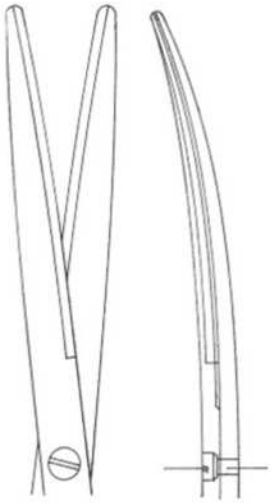


1/1









113 09 28715 15,0 cm

113 09 28718 18,0 cm

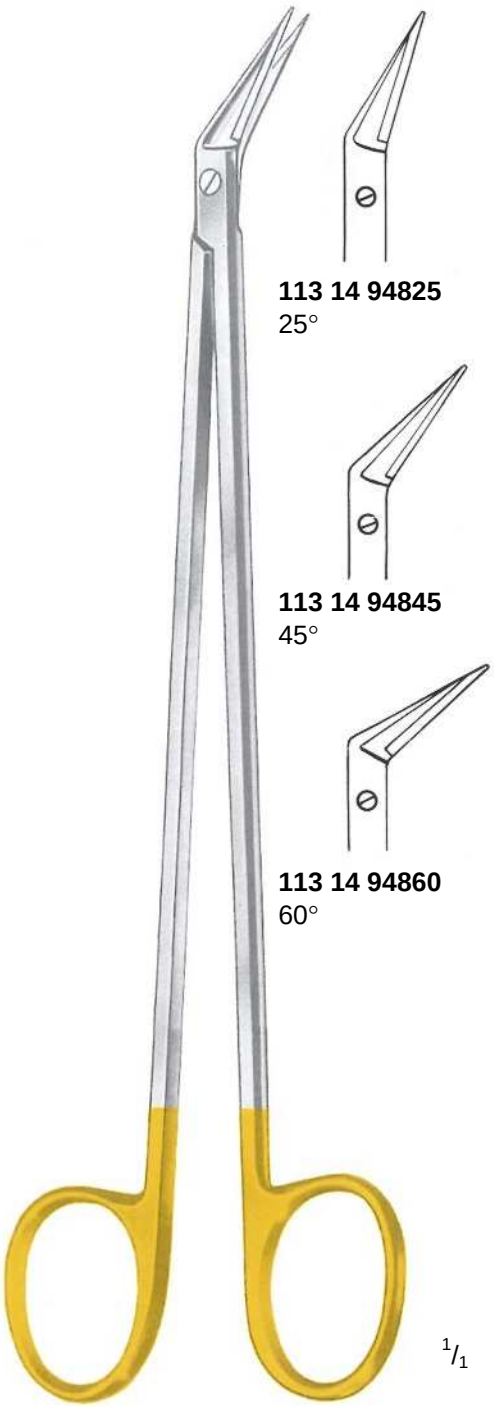
113 09 28720 20,0 cm

113 09 28723 23,0 cm
113 09 28725 25,0 cm
113 09 28728 28,0 cm

METZENBAUM JEMNÉ

Nůžky zlacené - tvrdokov

TC



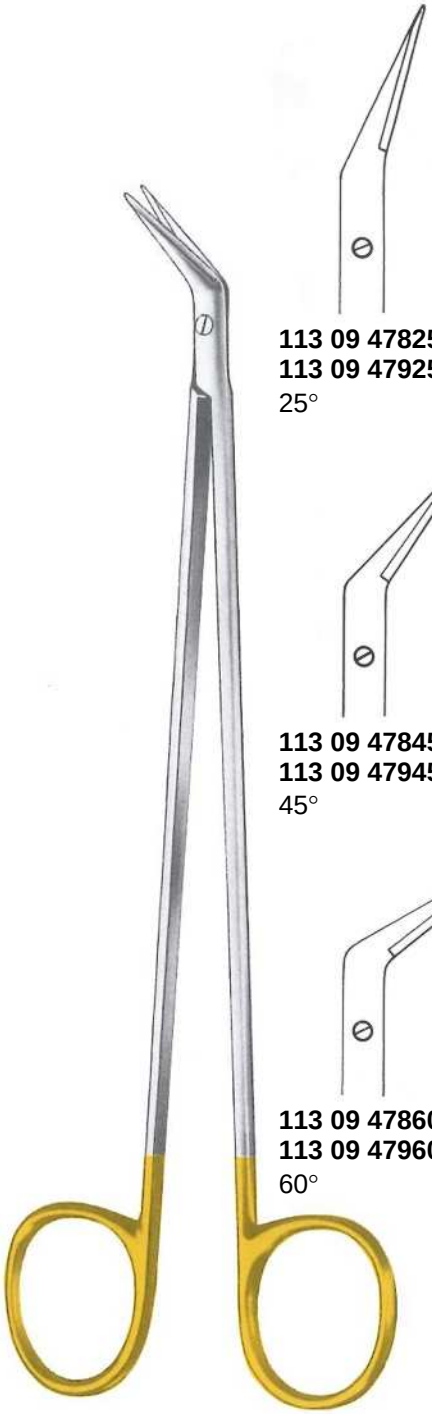
113 14 94825
25°

113 14 94845
45°

113 14 94860
60°

1/1

POTTS-SMITH
19,0 cm



113 09 47825 18,0 cm
113 09 47925 23,0 cm
25°

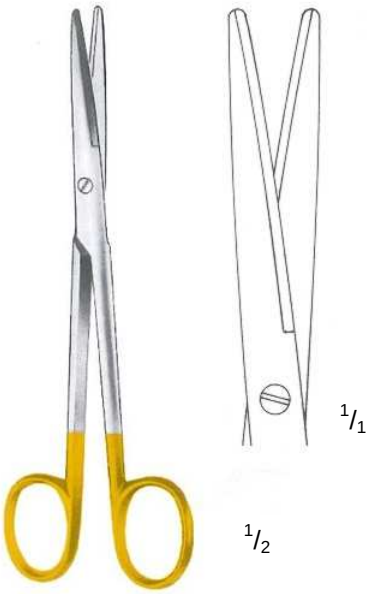
113 09 47845 18,0 cm
113 09 47945 23,0 cm
45°

113 09 47860 18,0 cm
113 09 47960 23,0 cm
60°

DE BAKEY

Nůžky zlacené - tvrdokov

TC



LEXER
113 09 19416
16,0 cm

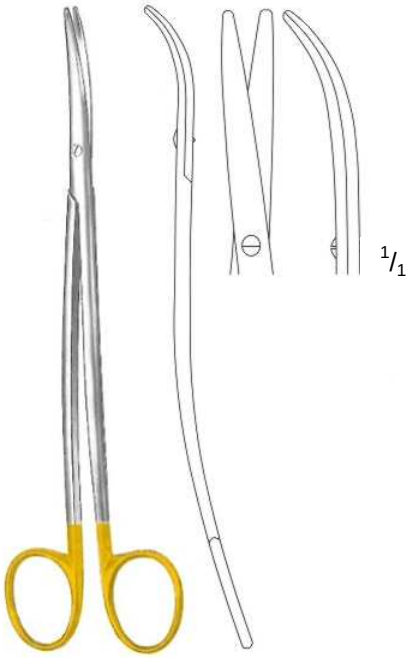
TC

113 08 98113
zahnuté

113 08 98013
rovné

GOLDMAN-FOX
13,0 cm

LEXER
113 09 19516
16,0 cm

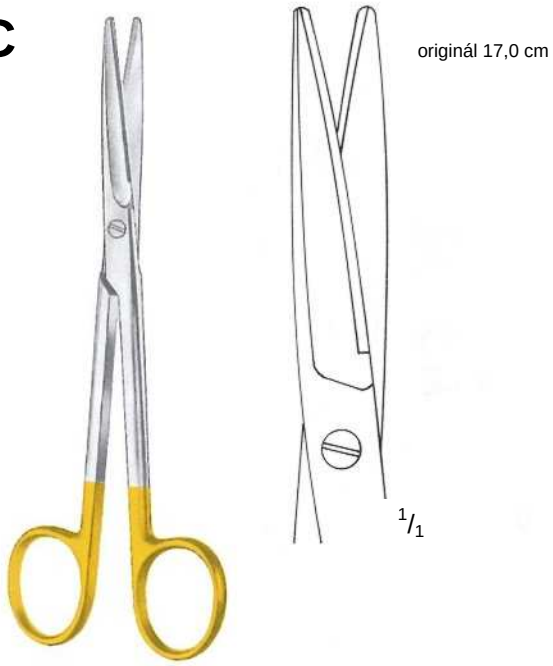


METZENBAUM“S“

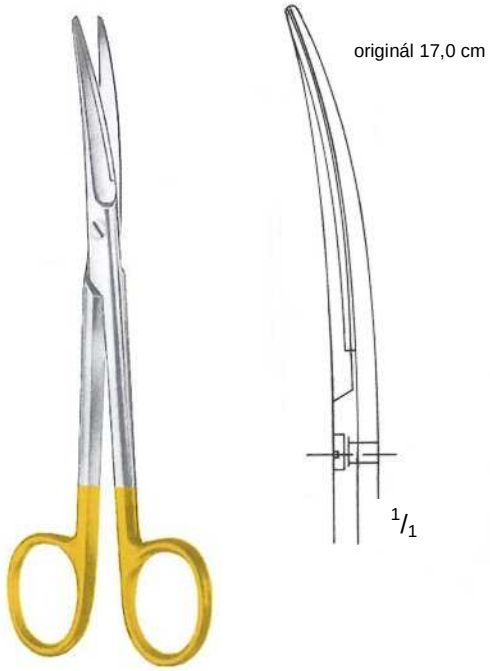
113 09 29518	18,0 cm
113 09 29520	20,0 cm
113 09 29523	23,0 cm

Nůžky zlacené - tvrdokov

TC

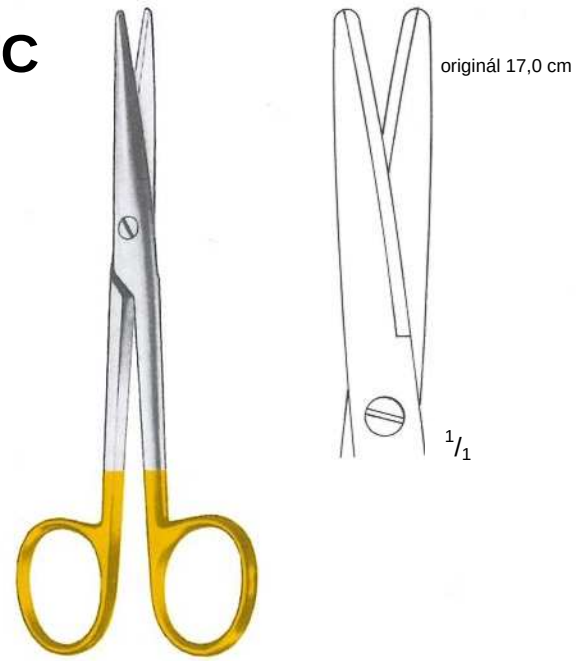


MAYO
113 09 16414 14,5 cm
113 09 16417 17,0 cm
113 09 16423 23,0 cm



MAYO
113 09 16514 14,5 cm
113 09 16517 17,0 cm
113 09 16523 23,0 cm

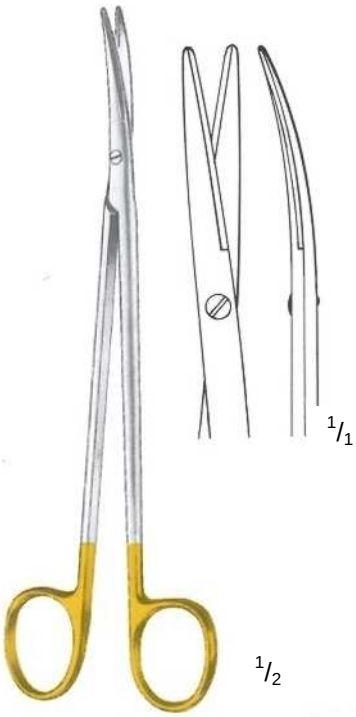
TC



MAYO-STILLE
113 09 17415 15,0 cm
113 09 17417 17,0 cm

MAYO-STILLE
113 09 17515 15,0 cm
113 09 17517 17,0 cm

Nůžky zlacené - tvrdokov

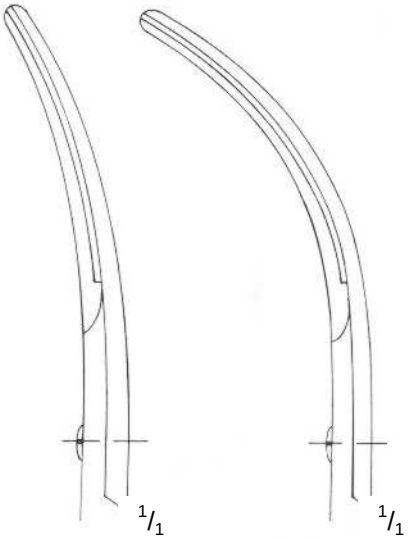


TOENNIS – ADSON
113 09 61218
18,0 cm

LISTER
113 09 90518
18,0 cm

UNIVERSAL
113 09 83512
12,0 cm

PARAMETRIUM

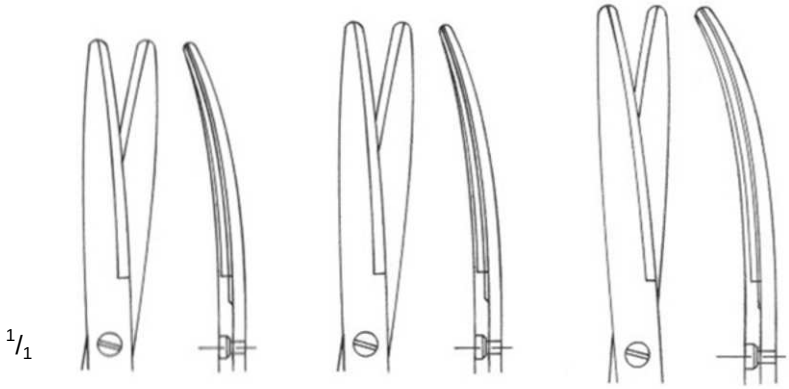


113 09 50523
23,0 cm

113 09 50522
22,5 cm

BRUNS
113 09 93923
23,0 cm

Nůžky BLACK

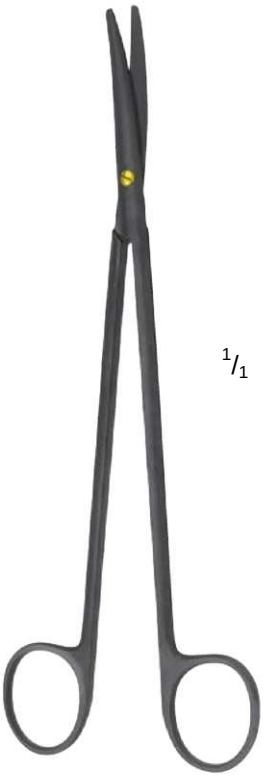


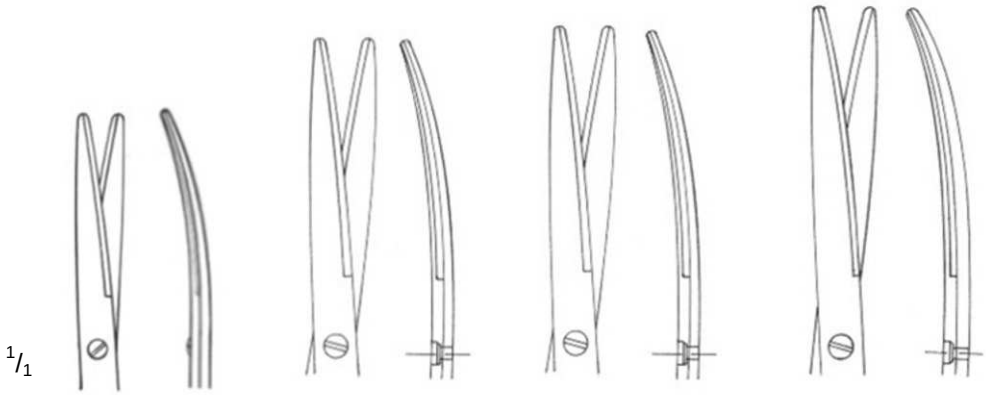
113 09 28115B
145 mm

113 09 28118B
180 mm

113 09 28120B
200 mm

METZENBAUM BLACK





113 09 37111B
115 mm

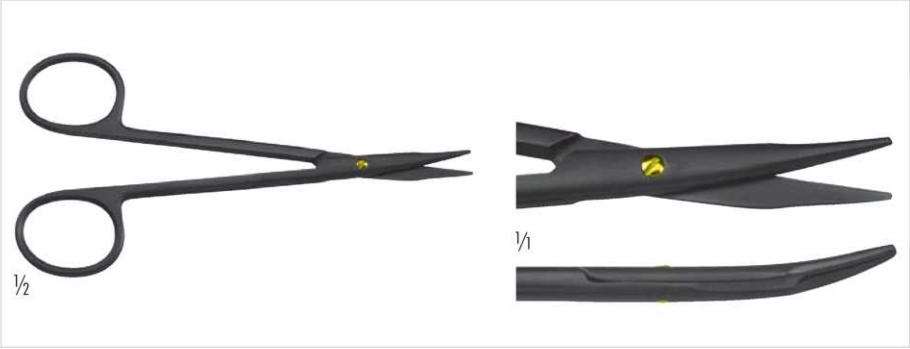
113 09 28315B
145 mm

113 09 28318B
180 mm

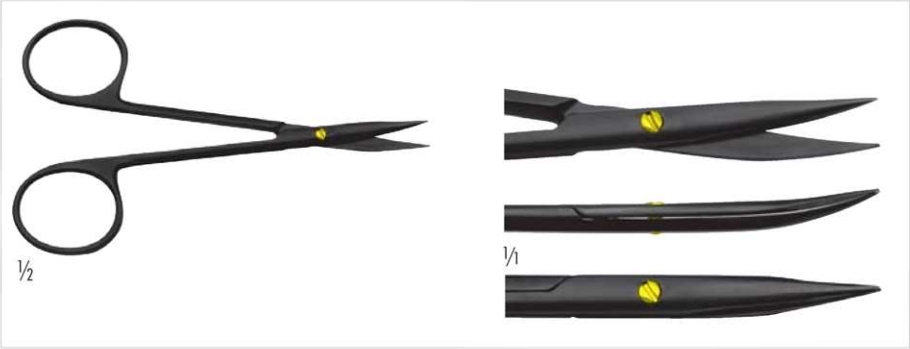
113 09 28320B
200 mm

METZENBAUM JEMNÉ BLACK

Nůžky CeraCut

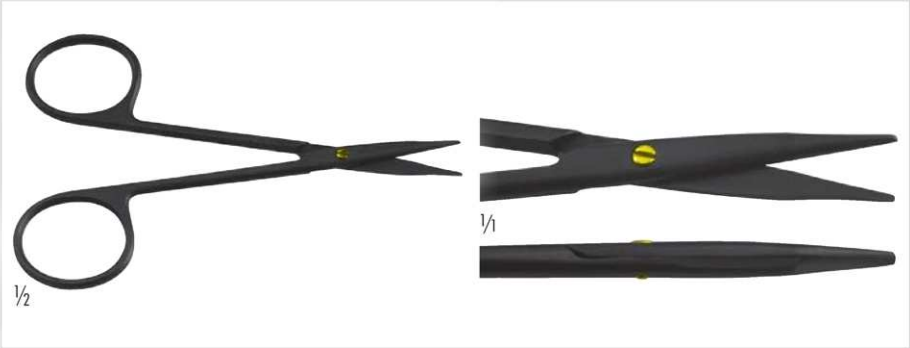


123-197-120
STEVENS
zahnuté, tupé, 120 mm

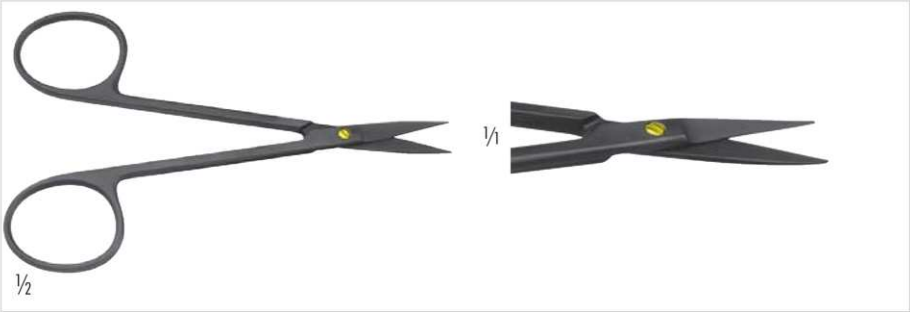


123-197-110
STEVENS
zahnuté, hrotnaté, 110 mm

CeraCut®



123-196-110
STEVENS
rovné, tupé, 115 mm



123-070-115 rovné, 115 mm
123-071-115 zahnuté, 115 mm
IRIS

Nůžky CeraCut

½ 1/1

123-317-145
BABY-METZENBAUM
zahnuté, 145 mm

½ 1/1

123-089-150
STEVENS
zahnuté, hrotnaté, 150 mm

CeraCut®

½ 1/1

123-152-145
METZENBAUM-FINO
rovné, 145 mm

½ 1/1

123-153-145
METZENBAUM-FINO
zahnuté, 145 mm

Nůžky CeraCut

½ 1/1

123-197-150
STEVENS
zahnuté, tupé, 150 mm

½ 1/1

123-111-145
METZENBAUM
zahnuté, 140 mm

CeraCut®

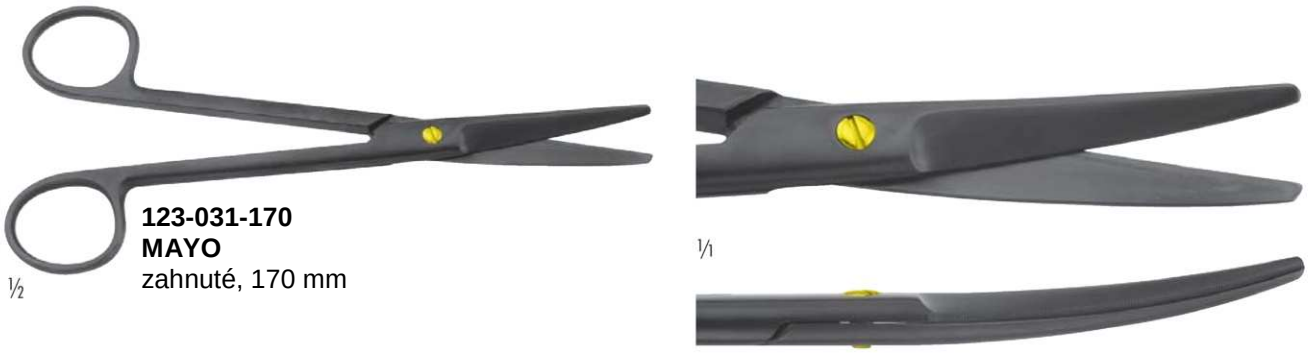
½ 1/1

123-111-180
METZENBAUM
zahnuté, 180 mm

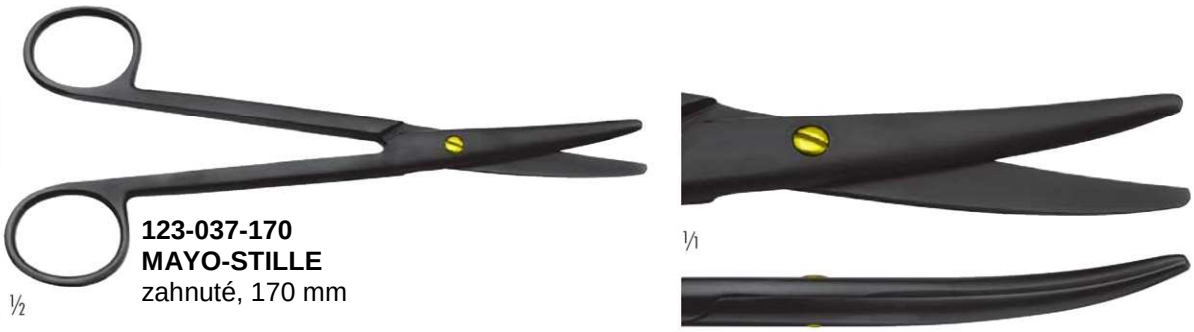
½ 1/1 1/1

123-111-200
METZENBAUM-NELSON
zahnuté, tupé, 200 mm

Nůžky CeraCut

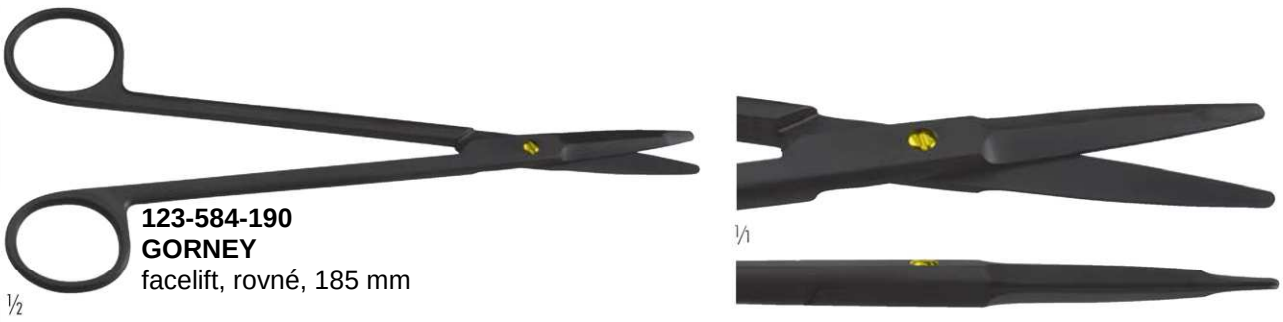


123-031-170
MAYO
zahnuté, 170 mm

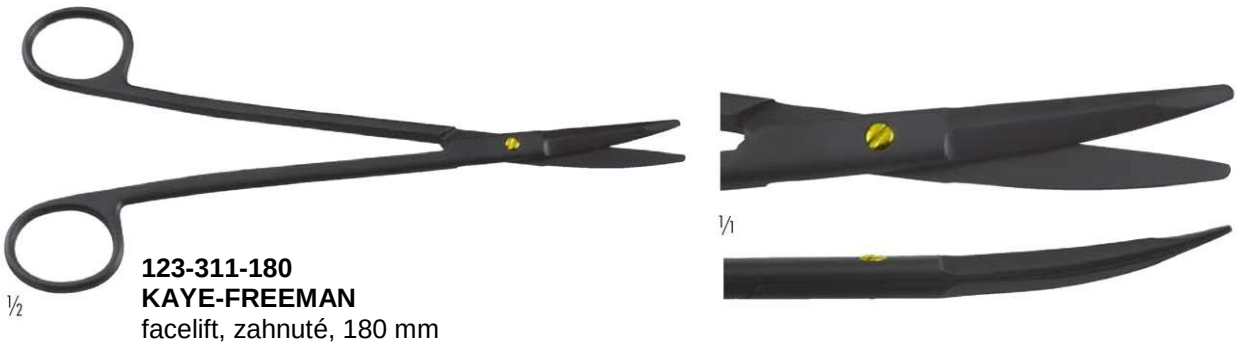


123-037-170
MAYO-STILLE
zahnuté, 170 mm

CeraCut®



123-584-190
GORNEY
facelift, rovné, 185 mm



123-311-180
KAYE-FREEMAN
facelift, zahnuté, 180 mm

Nůžky CeraCut

123-311-190
KAYE
facelift, zahnuté, 190 mm

CeraCut®

123-305-170
MATARASSO
facelift, zahnuté, 170 mm

123-507-230
Hysterectomi
zahnuté, 230 mm

123-583-190
POTTS-SMITH
190 mm, úhel 60°

3B instruments

lékařské nástroje

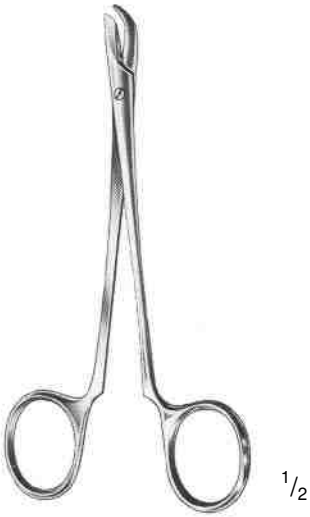
114

Pinzety

Pinzety

KUEHNE
114 02 0010
10,5 cm

MICHEL
114 06 0040
12,0 cm



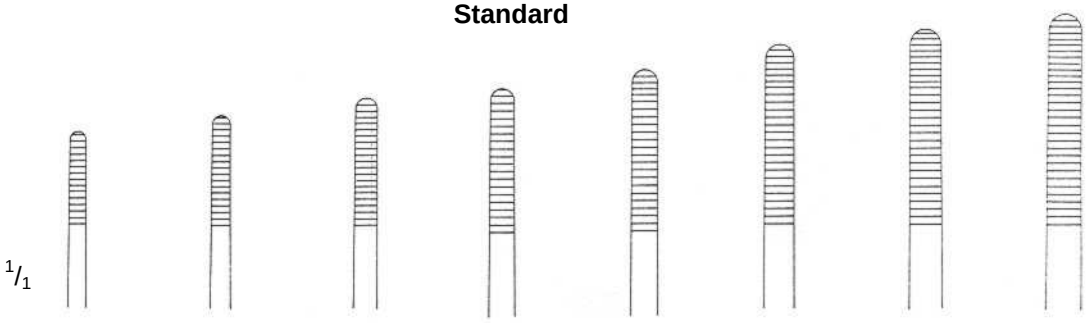
COLLIN
114 27 64013
13,0 cm

MICHEL
114 27 61012
12,0 cm

HEGENBARTH
114 06 0010
12,0 cm

Pinzety anatomické

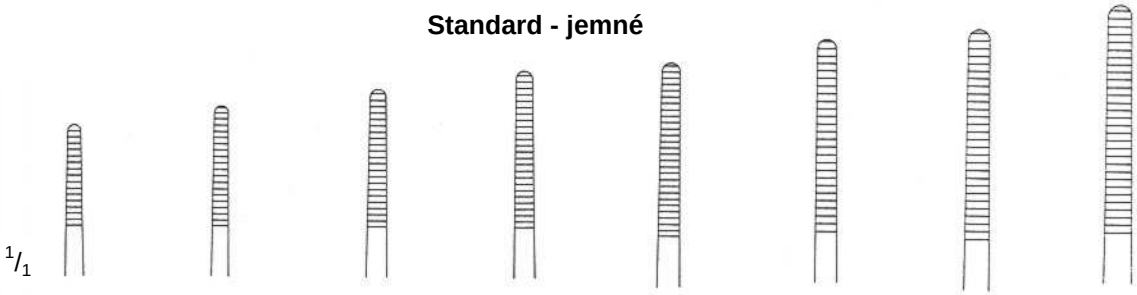
Standard



114 11 10211	**114 11 10213**	**114 11 10214**	**114 08 0030**	**114 11 10218**	**114 08 0040**	**114 08 0050**	**114 08 0060**
11,5 cm	13,0 cm	14,5 cm	16,0 cm	18,0 cm	20,0 cm	25,0 cm	30,0 cm

Standard

Standard - jemné



114 11 11011	**114 11 11013**	**114 08 0101**	**114 11 11016**	**114 08 07018**	**114 08 0140**	**114 08 07025**	**114 08 07030**
11,0 cm	13,0 cm	14,5 cm	16,0 cm	18,0 cm	20,0 cm	25,0 cm	30,0 cm

Standard – velmi jemné

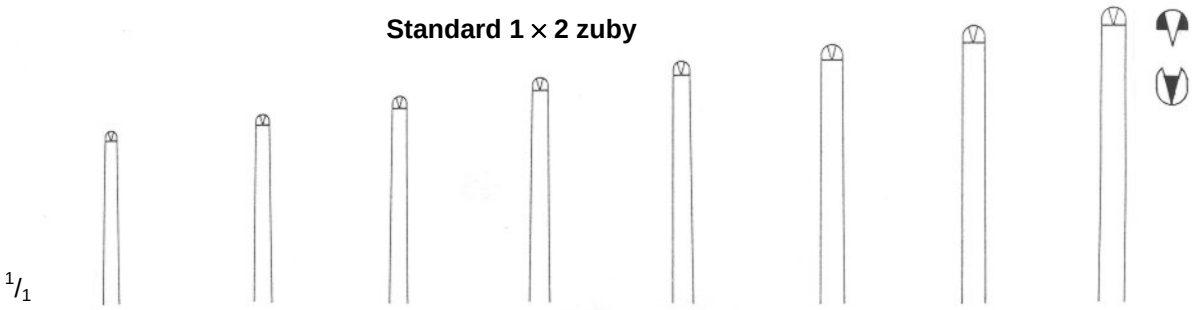
Standard
jemné

114 08 0231	**114 08 0240**	**114 08 0250**
14,5 cm	20,0 cm	25,0 cm

Pinzety chirurgické

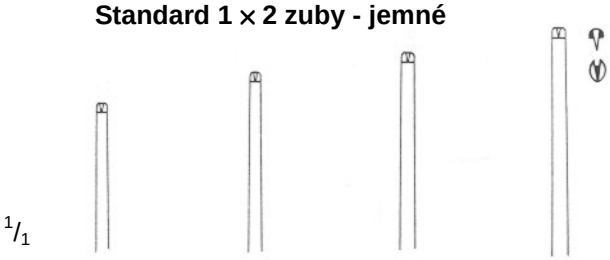
Standard
1× 2 zuby

Standard 1 × 2 zuby



114 11 12011	**114 11 12013**	**114 08 0381**	**114 08 0430**	**114 11 12018**	**114 08 0340**	**114 08 0350**	**114 08 0360**
11,5 cm	13,0 cm	14,5 cm	16,0 cm	18,0 cm	20,0 cm	25,0 cm	30,0 cm

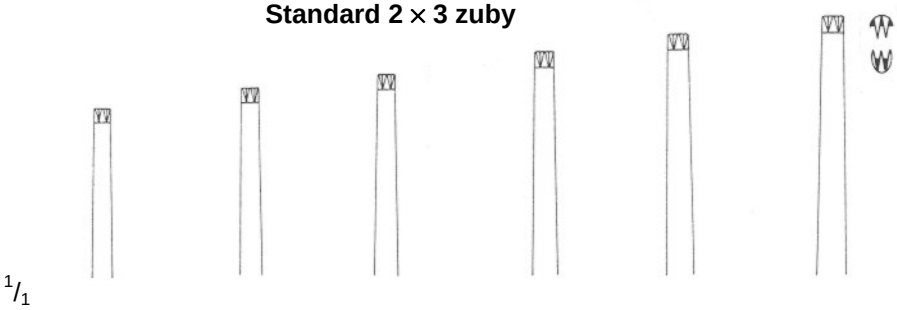
Standard 1 × 2 zuby - jemné



114 11 13013	**114 08 0530**	**114 11 13016**	**114 08 0540**
13,0 cm	14,5 cm	16,0 cm	20,0 cm

Standard
2 × 3 zuby

Standard 2 × 3 zuby



114 11 14013	**114 11 14014**	**114 11 14016**	**114 11 14018**	**114 11 14020**	**114 11 14025**
13,0 cm	14,5 cm	16,0 cm	18,0 cm	20,0 cm	25,0 cm

Pinzety

CUSHING
114 11 22017
17,0 cm

SEMKEN
114 11 26012 12,5 cm
114 11 26015 15,5 cm

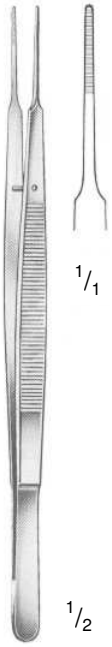
POTTS-SMITH

114 11 11218
18,0 cm

114 11 11221
21,0 cm

114 11 11225
25,0 cm

McINDOE
114 11 25815
15,0 cm



GERALD
114 11 30218
18,0 cm

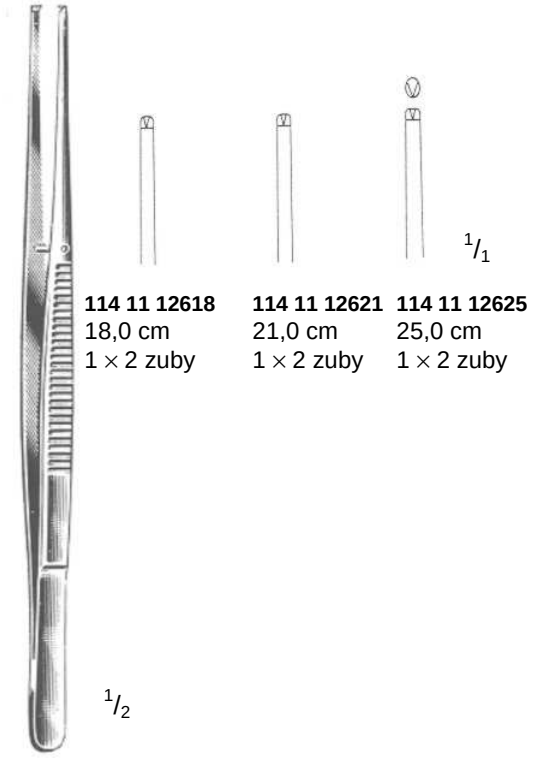
GERALD
114 11 30318
18,0 cm

GERALD
114 11 30518
18,0 cm

TAYLOR
114 08 14217
17,5 cm

TAYLOR
114 08 14317
17,5 cm

Pinzety



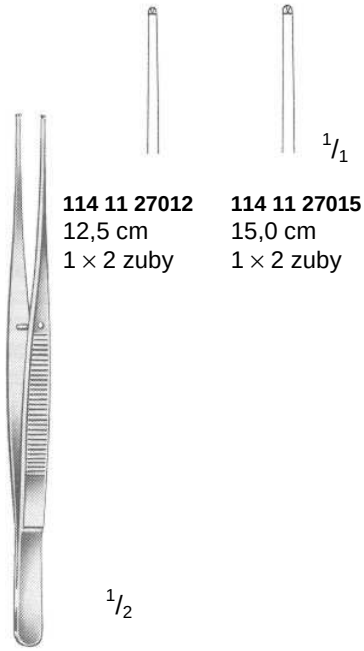
114 11 12618
18,0 cm
1 × 2 zuby

114 11 12621
21,0 cm
1 × 2 zuby

114 11 12625
25,0 cm
1 × 2 zuby

POTTS-SMITH

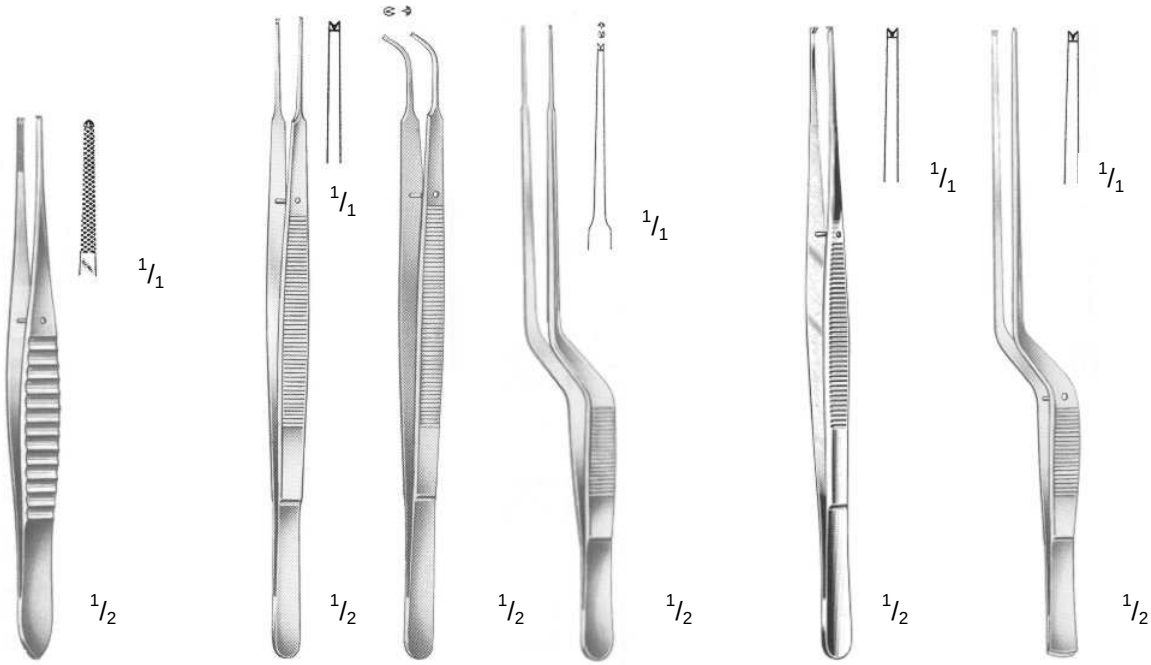
CUSHING
114 11 23017
17,0 cm
1 × 2 zuby



114 11 27012
12,5 cm
1 × 2 zuby

114 11 27015
15,0 cm
1 × 2 zuby

SEMKEN



GILLIES
114 11 27215
15,5 cm
1 × 2 zuby

GERALD
114 11 31018
18,0 cm
1 × 2 zuby

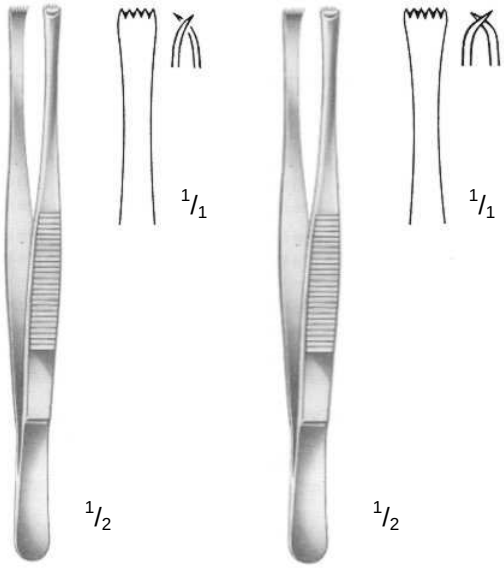
GERALD
114 11 31118
18,0 cm
1 × 2 zuby

GERALD
114 11 31318
18,0 cm
1 × 2 zuby

TAYLOR
114 11 31417
17,0 cm
1 × 2 zuby

TAYLOR
114 11 31517
17,5 cm
1 × 2 zuby

Pinzety adaptační



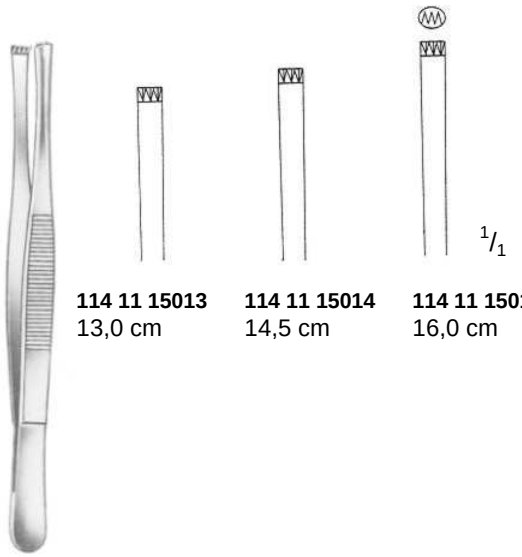
114 11 18915
114 11 18920
114 11 18925

114 08 0620
14,0 cm
3 × 4 zubů

114 08 0660
14,0 cm
4 × 5 zubů

BROWN

114 11 18915	9 × 9 zubů	15,0 cm
114 11 18920	9 × 9 zubů	20,0 cm
114 11 18925	9 × 9 zubů	25,0 cm

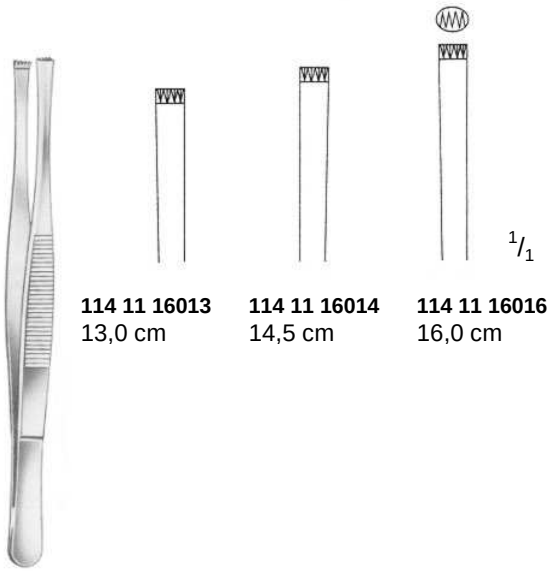


114 11 15013
13,0 cm

114 11 15014
14,5 cm

114 11 15016
16,0 cm

3 × 4 zuby



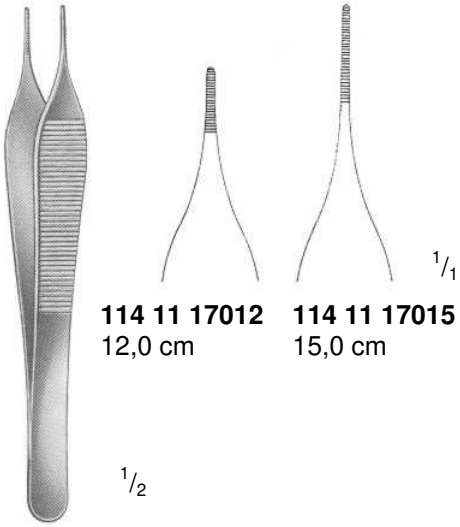
114 11 16013
13,0 cm

114 11 16014
14,5 cm

114 11 16016
16,0 cm

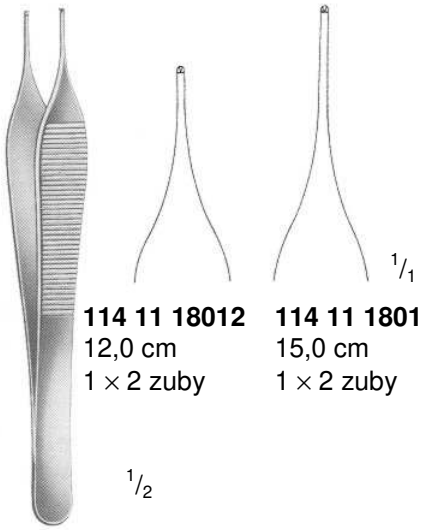
4 × 5 zubů

Pinzety



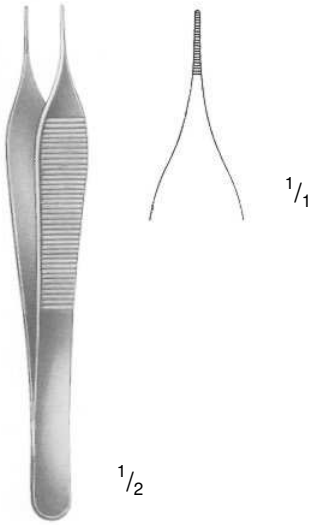
114 11 17012 12,0 cm
114 11 17015 15,0 cm

ADSON

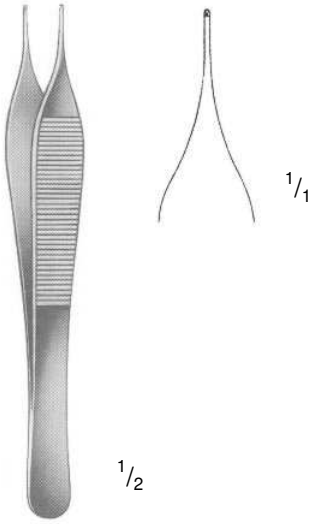


114 11 18012 12,0 cm 1 × 2 zuby
114 11 18015 15,0 cm 1 × 2 zuby

ADSON 1 × 2 zuby



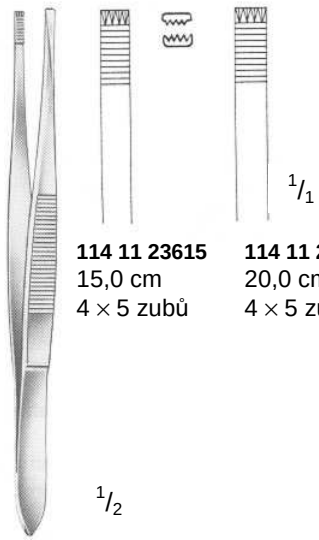
ADSON-MICRO
114 11 17612 12,0 cm
114 11 17615 15,0 cm



ADSON-MICRO 1 × 2 zuby
114 11 18612 12,0 cm
114 11 18615 15,0 cm

ADSON-BROWN
114 11 18812 12,0 cm
114 11 18815 15,0 cm
7 × 7 zubů

Pinzety



114 11 23615
15,0 cm
4 × 5 zubů

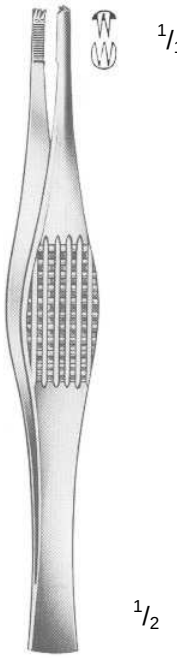
114 11 23620
20,0 cm
4 × 5 zubů

ADLERKREUTZ

LANE
114 11 24014
14,5 cm
1 × 2 zuby

LANE
114 11 24214
14,5 cm
2 × 3 zuby

FERRIS-SMITH
114 22 24618
18,0 cm
1 × 2 zuby

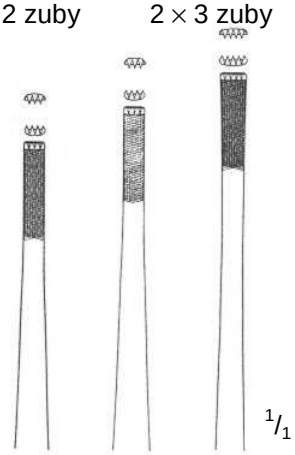


FERRIS-SMITH
114 11 24818
18,0 cm
2 × 3 zuby

114 12 0020
20,0 cm
3 × 4 zuby

114 12 0010
14,0 cm
5 × 6 zubů

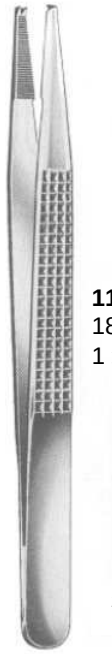
STILLE-BARRAY
3 × 4 zuby

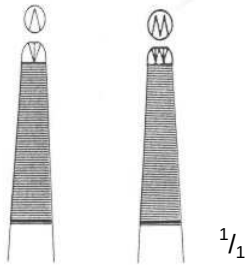


114 11 31818
18,0 cm
3 × 4 zuby

114 11 31825
25,0 cm
3 ×4 zuby

114 11 31820
20,0 cm
3 × 4 zuby





114 11 31712
18,0 cm
1 × 2 zuby

114 11 31723
18,0 cm
2 × 3 zuby

BONNEY
18,0 cm

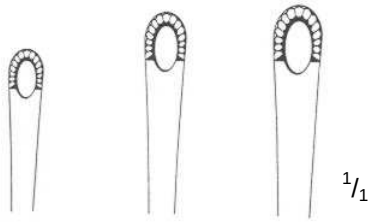
Pinzety

SINGLEY
114 11 32023
23,0 cm

NELSON
114 11 32223
23,0 cm

WANGENSTEN
114 11 32423
23,0 cm

RUSS. MODEL



114 11 25615
15,0 cm

114 11 25620
20,0 cm

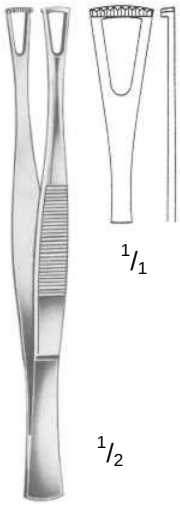
114 11 25625
25,0 cm

114 11 31614
14,5 cm

114 11 31616
16,0 cm

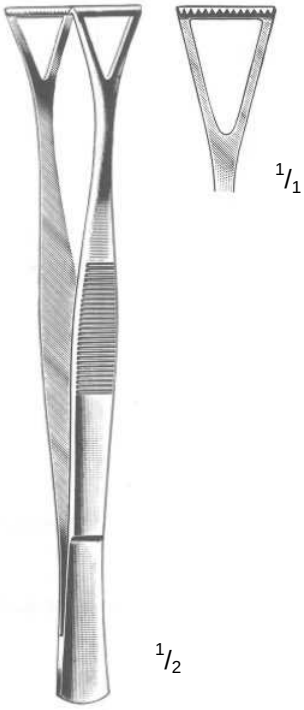
114 11 31620
20,0 cm

DURANTE



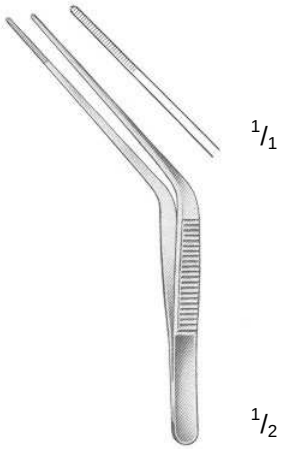
DUVAL
114 11 25014
14,5 cm

HLADKÁ
114 08 0090
14,5 cm

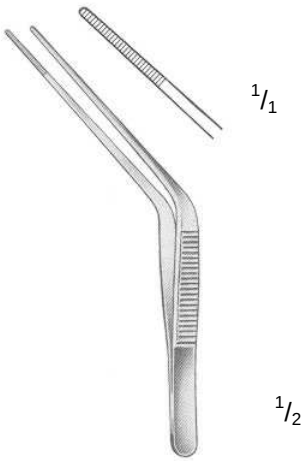


COLLIN-DUVAL
114 11 25220
20,0 cm

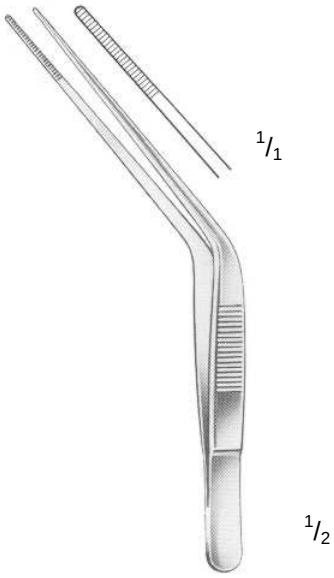
Pinzety ORL



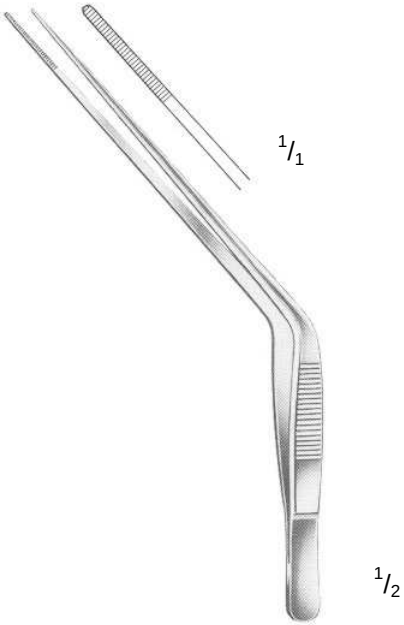
TROELTSCH
114 29 0010
11,0 cm



TROELTSCH
114 29 0020
11,0 cm



TROELTSCH
114 30 0010
16,0 cm



TROELTSCH
114 30 0020
18,0 cm

LUCAE
114 29 0030
14,0 cm

LUCAE
114 30 0040
18,0 cm

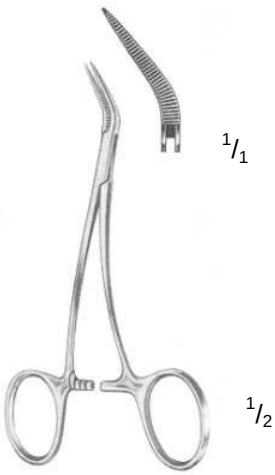
Pinzety

114 08 1040
24,0 cm

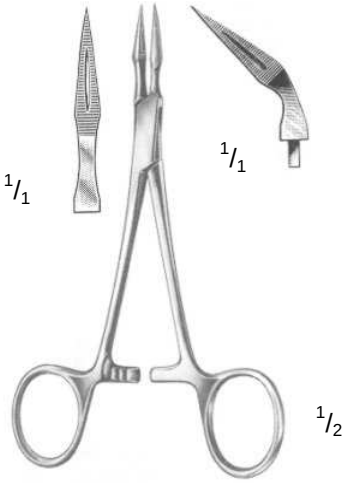
114 08 1030
19,0 cm

114 08 1020
13,5 cm

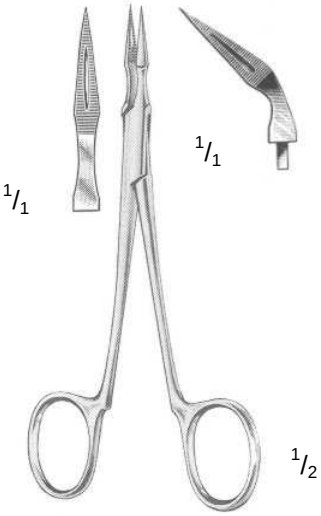
114 08 0980
14,0 cm



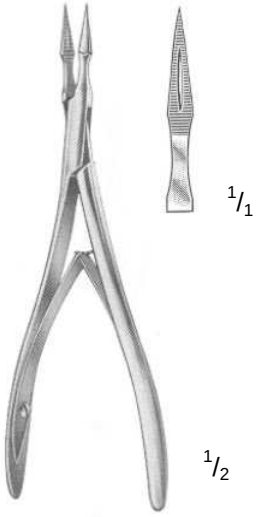
PEET
114 11 82111
11,5 cm



STIEGLITZ
114 11 82213 **114 11 82313**
13,5 cm 13,5 cm



ARCHER
114 11 82414 **114 11 82514**
14,0 cm 14,0 cm



VIRTUS
114 11 82815
15,0 cm

Pinzety oční

GRAEFE
114 38 0010
10,5 cm

GRAEFE
114 38 0020
10,5 cm

GRAEFE
114 38 0100
10,5 cm

GRAEFE
114 38 0110
10,5 cm

GRAEFE
114 43 81310
10,5 cm

GRAEFE
114 38 0150
10,5 cm

GRAEFE
114 38 0160
10,5 cm

GRAEFE
114 38 0200
10,5 cm

GRAEFE
114 43 82310
10,5 cm

Pinzety na řasy

114 38 1170
8,5 cm

BEER
8,5 cm

114 38 1110
3,0 mm

114 38 1120
4,5 mm

Pinzety micro

0,3 mm

1/1

1/1

12,0 cm	**114 12 10212**	**114 12 10312**
12,0 cm	**114 12 10212D**	**114 12 10312D**
15,0 cm	**114 12 10415**	**114 12 10315**
15,0 cm	**114 12 10415D**	**114 12 10315D**

D za obj. číslem značí diamantovaný povrch pracovní části

0,8 mm

1/1

1/1

18,0 cm	**114 12 10818**	**114 12 10918**
18,0 cm	**114 12 10818D**	**114 12 10918D**
21,0 cm	**114 12 10221**	**114 12 10921**
21,0 cm	**114 12 10221D**	**114 12 10921D**
23,0 cm	**114 12 10223**	**114 12 10923**
23,0 cm	**114 12 10223D**	**114 12 10923D**

D za obj. číslem značí diamantovaný povrch pracovní části

Diamantovaný povrch
Nanesená vrstva diamantového prachu pro velmi jemné jehly a šicí materiál

Pinzety micro

0,3 mm

1/2

1/1

1/1

15,0 cm	**114 12 09015D**	**114 12 09115D**

D za obj. číslem značí diamantovaný povrch pracovní části

0,4 mm

1/2

1/1

1/1

18,0 cm	**114 12 09018D**	**114 12 09118D**

D za obj. číslem značí diamantovaný povrch pracovní části

0,8 mm

1/2

1/1

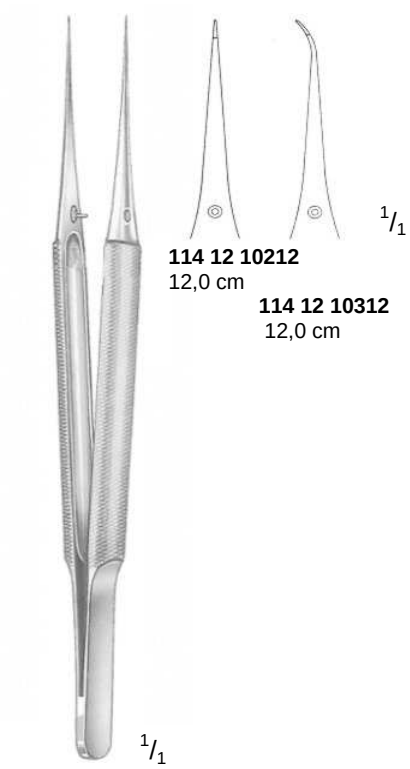
1/1

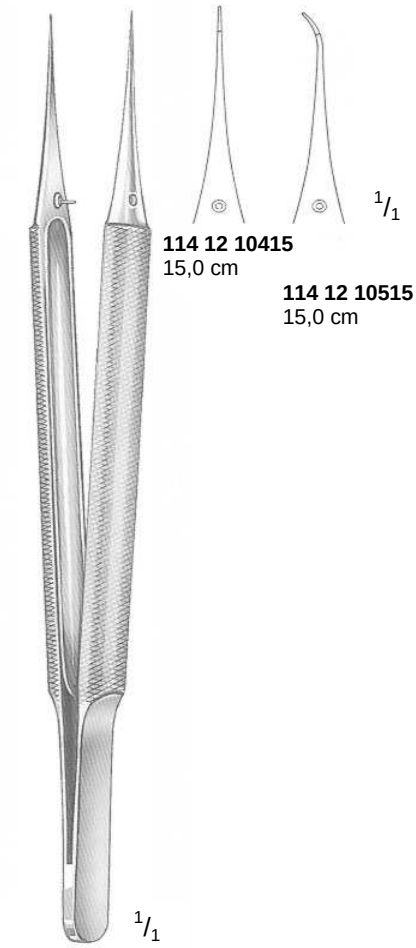
21,0 cm	**114 12 09021D**	**114 12 09121D**
23,0 cm	**114 12 09023D**	**114 12 09123D**

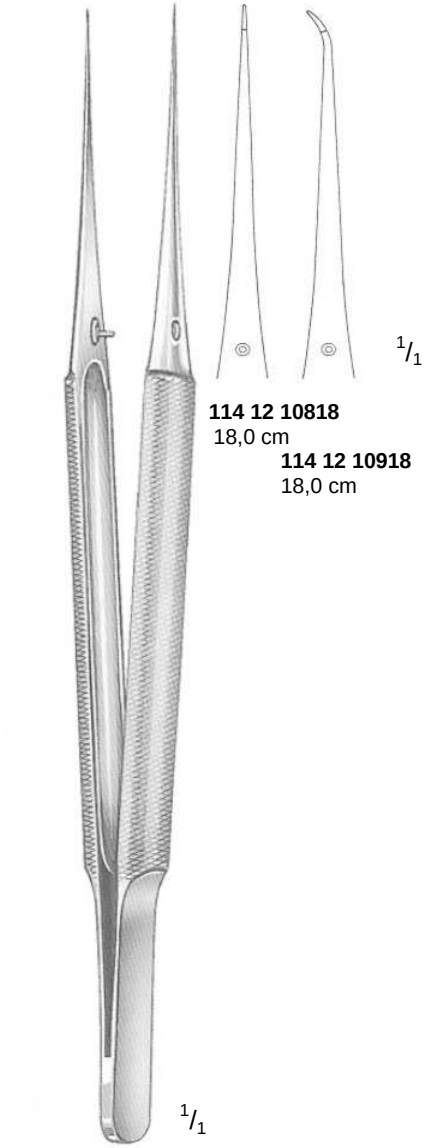
D za obj. číslem značí diamantovaný povrch pracovní části

Diamantovaný povrch
Nanesená vrstva diamantového prachu pro velmi jemné jehly a šicí materiál

Pinzety micro



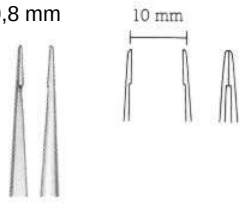




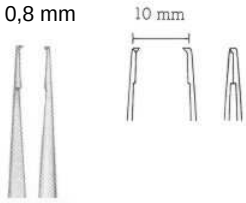
Pinzety micro

1/1

GOMEL
16,0 cm



114 12 20016
16,0 cm



114 12 20116
16,0 cm

Pinzety na nádory

1/1

1/2

114 12 29122
∅ 3,0 mm

114 12 29322
∅ 5,0 mm

YASARGIL
22,0 cm

1/1

1/2

11412 29522
∅ 3,0 mm

114 12 29722
∅ 5,0 mm

YASARGIL
22,0 cm

Pinzety micro titanové

Objednací číslo	celková délka	
114 69 937 T	150 mm	
114 69 938 T	180 mm	
114 69 939 T	210 mm	
modrá barva	kruhový vroubkovaný tvar	Ø 1 mm
114 69 940 T	150 mm	
114 69 941 T	180 mm	
114 69 942 T	210 mm	
modrá barva	kruhový tvar – drsný povrch	Ø 1 mm
114 69 943 T	150 mm	
114 69 944 T	180 mm	
114 69 945 T	210 mm	
modrá barva	kruhový vroubkovaný tvar	Ø 2 mm
114 69 946 T	150 mm	
114 69 947 T	180 mm	
114 69 948 T	210 mm	
modrá barva	kruhový tvar – drsný povrch	Ø 2 mm

TITAN

1/1

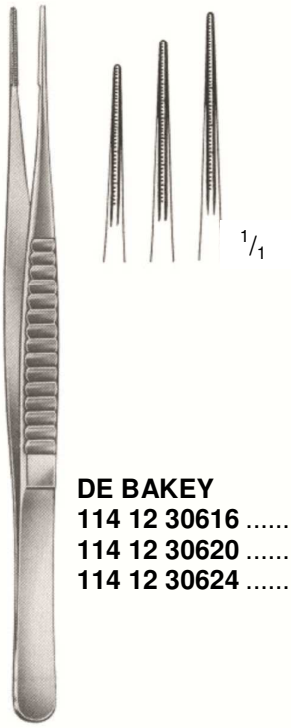
114 69 938 T
180 mm
TITAN

Pinzety atraumatické

2,7 mm

DE BAKEY
114 12 30416 ..... 16,0 cm
114 12 30420 ..... 20,0 cm
114 12 30424 ..... 24,0 cm
114 12 30430 ..... 30,0 cm

1,5 mm



DE BAKEY
114 12 30616 ..... 16,0 cm
114 12 30620 ..... 20,0 cm
114 12 30624 ..... 24,0 cm

2,0 mm

DE BAKEY
114 12 30816.....16,0 cm
114 12 30820.....20,0 cm
114 12 30824.....24,0 cm
114 12 30830.....30,0 cm

2,0 mm

DE BAKEY
114 12 30916 ..... 16,0 cm
114 12 30920 ..... 20,0 cm
114 12 30924 ..... 24,0 cm
114 12 30930 ..... 30,0 cm

3,5 mm

DE BAKEY
114 12 31016..... 16,0 cm
114 12 31020..... 20,0 cm
114 12 31024..... 24,0 cm
114 12 31030..... 30,0 cm

Bipolární pinzety

délka					
16,0 cm	**114 08 89016A**	**114 08 89116C**	**114 08 89416C**		
16,0 cm	**114 08 89016C**	**114 08 89116D**	**114 08 89416D**		
16,0 cm	**114 08 89016E**	**114 08 89116E**			
20,0 cm	**114 08 89020A**	**114 08 89120A**	**114 08 89420A**		
20,0 cm	**114 08 89020C**	**114 08 89120C**	**114 08 89420C**	**114 08 89520C**	**114 08 89620C**
20,0 cm			**114 08 89420F**		
20,0 cm	**114 08 89020E**	**114 08 89120F**	**114 08 89420E**		
22,0 cm	**114 08 89022A**	**114 08 89122C**	**114 08 89422D**		
22,0 cm	**114 08 89022C**		**114 08 89422E**		**114 08 89622C**

A – šířka 2,0 cm **B** – šířka 1,5 mm **C** – šířka 1,0 mm

D – šířka 0,5 mm **E** – jehla **F -** vroubky

délka		
11,0 cm	**114 08 89811D**	**114 08 89911D**
11,0 cm	**114 08 89811E**	**114 08 89911E**

Pinzety bipolární

0,5 mm
ostrá

114 91 10211
11,0 cm

0,5 mm
tupá

114 91 10411
11,0 cm

0,5 mm
ostrá
114 91 11311

0,5 mm
ostrá jemná
114 91 10911

11,0 cm

0,5 mm
tupá

114 91 11511
11,0 cm

0,5 mm
ostrá

114 91 12216
16,5 cm

1,0 mm
tupá

114 91 12416
16,5 cm

0,5 mm
ostrá

114 91 12316
16,5 cm

1,0 mm
ostrá
114 91 12516

1,0 mm
tupá
114 91 12716

16,5 cm

Pinzety bipolární

1/1 tupá 1,0 mm **114 91 14616**

1/1 ostrá 0,3 mm **114 91 14216**

tupá 2,0 mm **114 91 14816**

ostrá 0,5 mm **114 91 14416**

1/2

16,5 cm

1/1 ostrá 0,3 mm

1/2

114 91 16219
19,5 cm

1/1 tupá 1,0 mm

1/2

114 91 16419
19,5 cm

1/1 tupá 2,0 mm

1/2

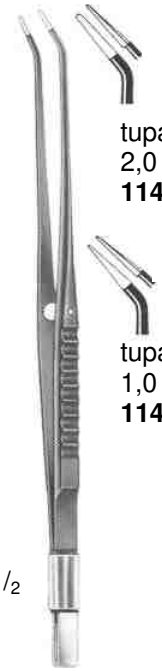
114 91 16619
19,5 cm

1/1 tupá 1,0 mm **114 91 15419**

1/1 ostrá 0,3 mm **114 91 15219**

1/2

19,5 cm



1/1 tupá 2,0 mm **114 91 15919**

1/1 tupá 1,0 mm **114 91 15719**

1/2

19,5 cm

1/1 tupá 1,0 mm **114 91 16919**

1/2

19,5 cm

1/1 tupá 1,0 mm **114 91 16719**

1/2

19,5 cm

Pinzety bipolární

1/2

22,5 cm

1/1

114 91 17203
0,3 mm
ostrá

1/1

114 91 17207
0,7 mm
tupá

1/1

114 91 17212
1,2 mm
tupá

Pinzety bipolární

NELEPIVÉ

pinzeta bipolární nelepivá, rovná

délka / šířka	0,3 mm	0,5 mm	1,0 mm	2,0 mm
11,0 cm	**91 110-03N**	**91 110-05N**	**91 110-10N**	**91 160-20N**
16,0 cm	**91 160-03N**	**91 160-05N**	**91 160-10N**	
18,0 cm		**91 180-05N**	**91 180-10N**	**91 180-20N**
19,5 cm		**91 200-05N**	**91 200-10N**	**91 200-20N**
22,0 cm			**91 220-10N**	**91 220-20N**
24,0 cm			**91 240-10N**	
30,0 cm			**91 300-10N**	**91 300-20N**

pinzeta bipolární nelepivá, lomené 45°

délka / šířka	0,3 mm	0,5 mm	1,0 mm	2,0 mm
11,0 cm	**91 112-03N**	**91 112-05N**	**91 112-10N**	
16,0 cm		**91 162-05N**	**91 162-10N**	
18,0 cm			**91 182-10N**	**91 182-20N**
19,5 cm		**91 202-05N**	**91 202-10N**	**91 202-20N**
22,0 cm			**91 222-10N**	**91 222-20N**
24,0 cm			**91 242-10N**	

pinzeta bipolární nelepivá, bajonetová rovná

délka / šířka	0,3 mm	0,5 mm	1,0 mm	2,0 mm
16,0 cm	**91 166-03N**	**91 166-05N**	**91 166-10N**	**91 166-20N**
19,5 cm		**91 206-05N**	**91 206-10N**	**91 206-20N**
22,0 cm		**91 226-05N**	**91 226-10N**	**91 226-20N**
24,0 cm		**91 246-05N**	**91 246-10N**	**91 246-20N**

Pinzety bipolární

NELEPIVÉ

pinzeta bipolární nelepivá, bajonetová lomená dolů

délka / šířka	1,0 mm
19,5 cm	**91 207-10N**
22,0 cm	**91 227-10N**

pinzeta bipolární nelepivá, bajonetová lomená nahoru

délka / šířka	0,5 mm	1,0 mm
16,0 cm	**91 168-05N**	**91 168-10N**
19,5 cm		**91 208-10N**
22,0 cm		**91 228-10N**

Kabely bipolární

	2 volné kolíky Ø 4 mm	Erebe, Storz Ø 12,5 mm	Berchtold Martin Ø 8 mm	Valleylab, ECM Lamidey 2 x Ø 4 mm
3 m	**700-350-030**	**700-101-001**	**700-287-030**	**700-351-031**
5 m	**700-350-050**	**700-101-000**	**700-287-050**	**700-351-051**
Pro plochou koncovku nástroje				
3 m	**700-350-130**	**700-101-130**	**700-287-130**	**700-351-131**
5 m	**700-350-150**	**700-101-150**	**700-287-150**	**700-351-151**
Pro plochou koncovku nástroje				

Pinzety monopolární

145 mm	130-740-145	145 mm	130-753-145
200 mm	XR 880/21	200 mm	XR 881/21
250 mm	XR 880/25	250 mm	XR 881/25

Pinzety zlacené - tvrdokov

TC

1/1

114 08 88015
15,0 cm

114 11 11618
18,0 cm

114 11 11621
21,0 cm

1/1

114 08 88023
23,0 cm

114 11 11625
25,0 cm

1/2

POTS – SMITH

1/1

114 08 88214
14,0 cm

114 08 88216
16,0 cm

114 08 88218
18,0 cm

1/1

114 08 88220
20,0 cm

114 08 88225
25,0 cm

114 08 88230
30,0 cm

1/2

OEHLER
1 × 2 zuby

TC

1/1

114 11 17412
12,0 cm

114 08 93212
12,0 cm

1/1

114 11 17415
15,0 cm

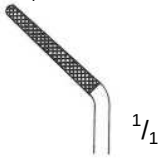
114 08 93215
15,0 cm

1/2

ADSON

1/1

114 11 22417
17,0 cm



1/1

114 08 94118
17,5 cm

1/2

CUSHING

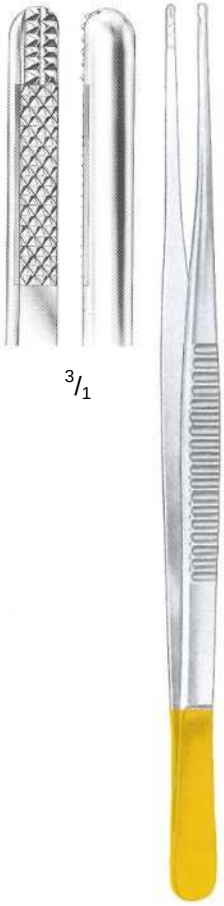
TC

1/2

CUSHING - TAYLOR
114 08 94318
18,0 cm

Pinzety zlacené - tvrdokov

TC



3/1

1/1

114 08 94416 16,0 cm
114 08 94420 20,0 cm
114 08 94424 24,0 cm

1/1

114 08 94616 16,0 cm
114 08 94620 20,0 cm
114 08 94624 24,0 cm

1/2

DE BAKEY

1/1

1 × 2 zuby

2/3

BONNEY
114 08 94818
18,0 cm

1/1

114 08 95015
15,0 cm

1/1

114 08 95023
23,0 cm

1/2

WANGENSTEEN

1/1

114 08 89012
12,5 cm

1/1

114 08 89015
15,5 cm

1/2

SEMKEN

1/1

1 × 2 zuby

1/2

GILLIES
114 08 90015
15,0 cm

1/1

1/2

JEWELER
114 08 90215
15,0 cm

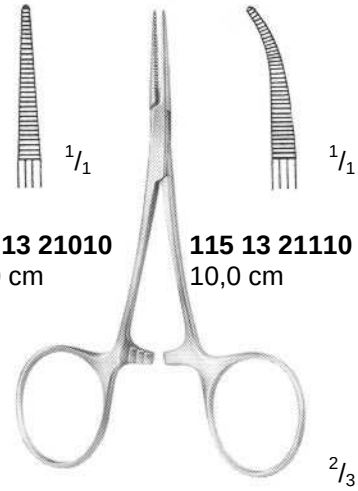
3B instruments

lékařské nástroje

115

Svorky, disektory

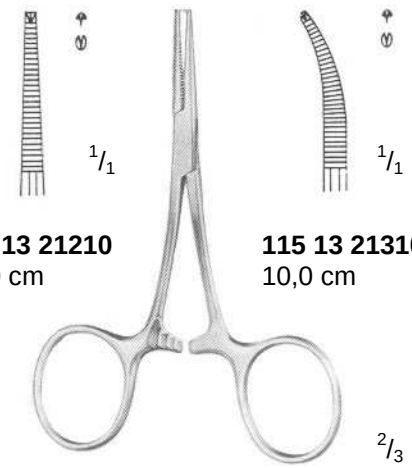
Svorky, disektory



115 13 21010
10,0 cm

115 13 21110
10,0 cm

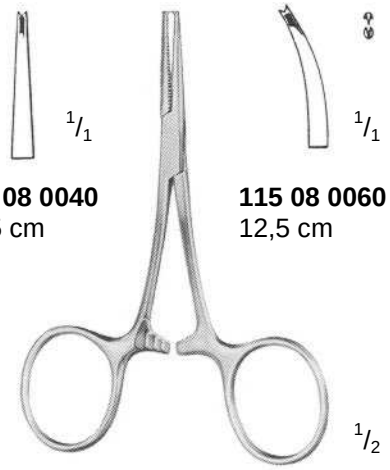
HARTMANN



115 13 21210
10,0 cm

115 13 21310
10,0 cm

HARTMANN
1 × 2 zuby



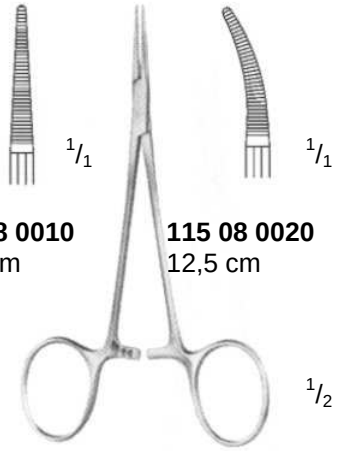
115 08 0040
12,5 cm

115 08 0060
12,5 cm

MOSQUITO-HALSTED
hladká
1 × 2 zuby

Svorky, disektory

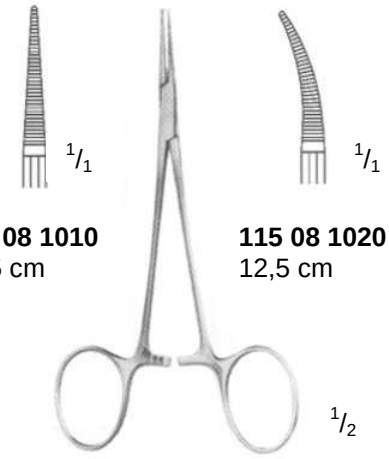
Provedení ČR



115 08 0010
12,5 cm

115 08 0020
12,5 cm

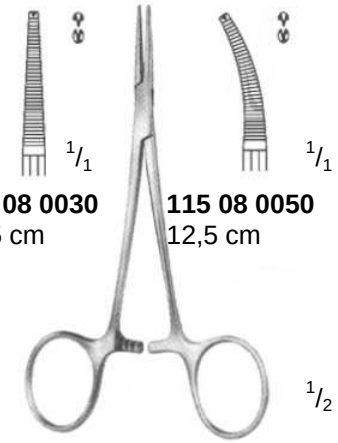
MOSQUITO - HALSTED
standard



115 08 1010
12,5 cm

115 08 1020
12,5 cm

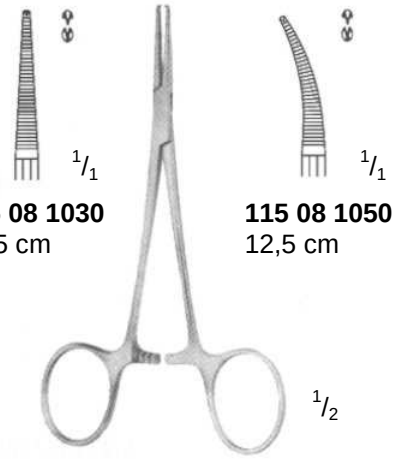
MOSQUITO - HALSTED
jemné



115 08 0030
12,5 cm

115 08 0050
12,5 cm

MOSQUITO - HALSTED
standard
1 × 2 zuby



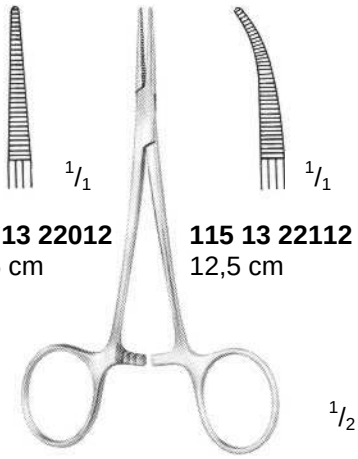
115 08 1030
12,5 cm

115 08 1050
12,5 cm

MOSQUITO - HALSTED
jemné
1 × 2 zuby

Svorky, disektory

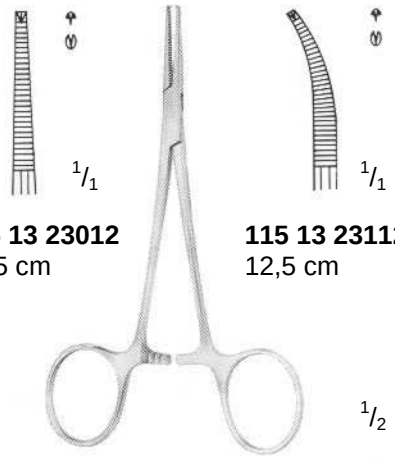
Provedení SRN



115 13 22012
12,5 cm

115 13 22112
12,5 cm

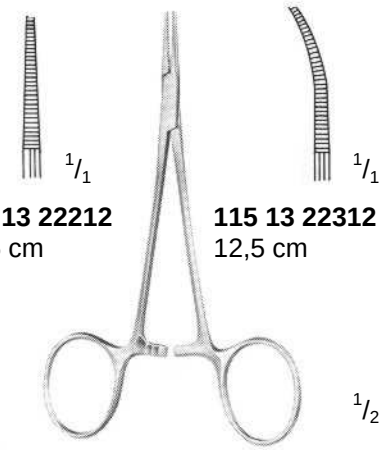
MOSQUITO- HALSTED
standard



115 13 23012
12,5 cm

115 13 23112
12,5 cm

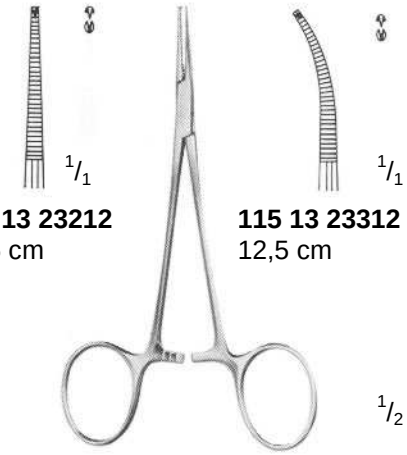
MOSQUITO- HALSTED
standard
1 × 2 zuby



115 13 22212
12,5 cm

115 13 22312
12,5 cm

MOSQUITO- HALSTED
jemné



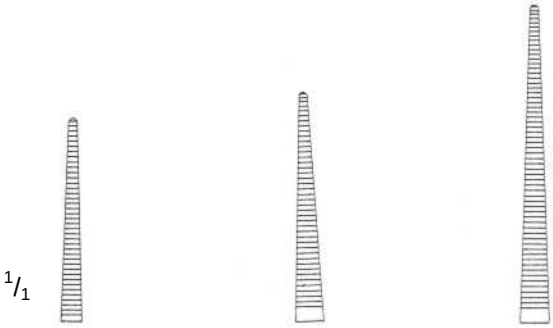
115 13 23212
12,5 cm

115 13 23312
12,5 cm

MOSQUITO- HALSTED
jemné
1 × 2 zuby

Svorky, disektory

MOSQUITO-HALSTED



115 13 22014
14,0 cm

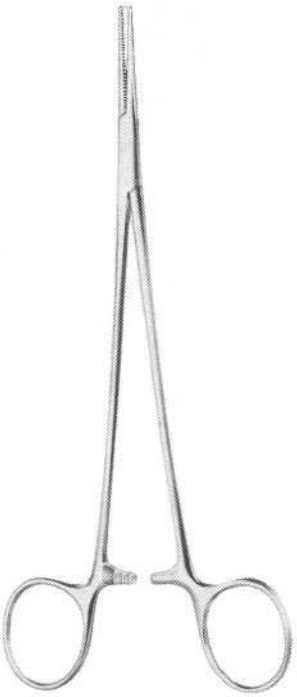
115 13 22018
18,0 cm

115 13 22021
21,0 cm

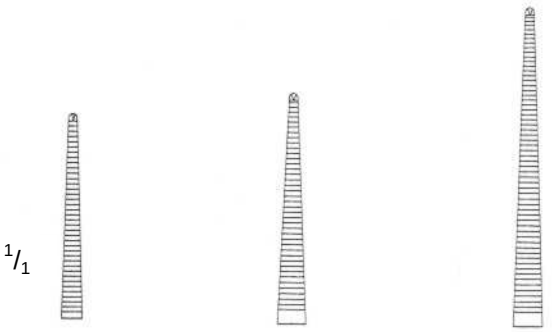
115 13 22114
14,0 cm

115 13 22118
18,0 cm

115 13 22121
21,0 cm



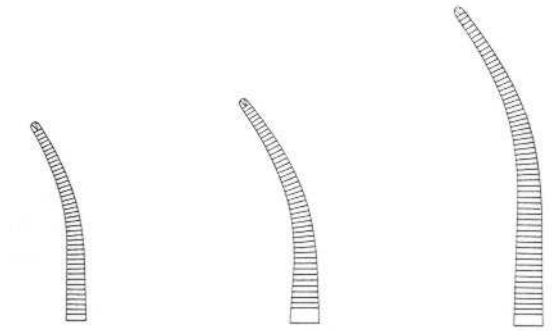
MOSQUITO-HALSTED
1 × 2 zuby



115 13 23014
14,0 cm

115 13 23018
18,0 cm

115 13 23021
21,0 cm

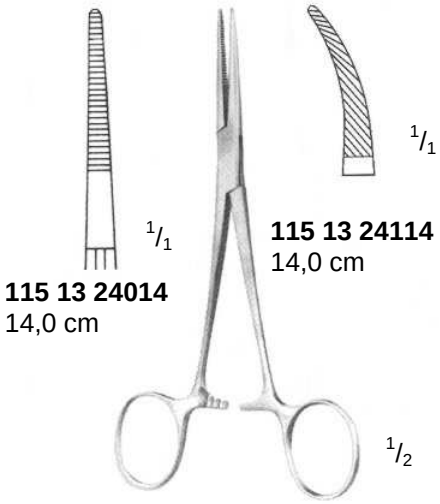


115 13 23114
14,0 cm

115 13 23118
18,0 cm

115 13 23121
21,0 cm

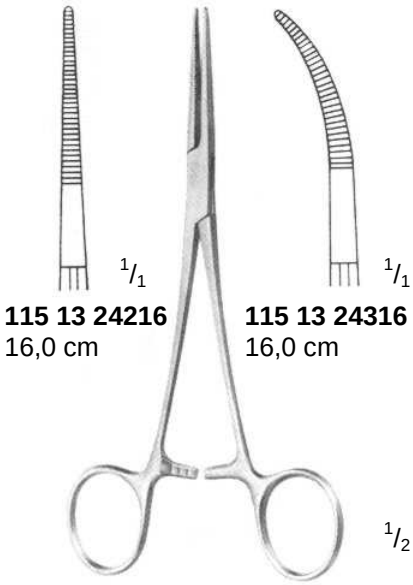
Svorky, disektory



115 13 24014
14,0 cm

115 13 24114
14,0 cm

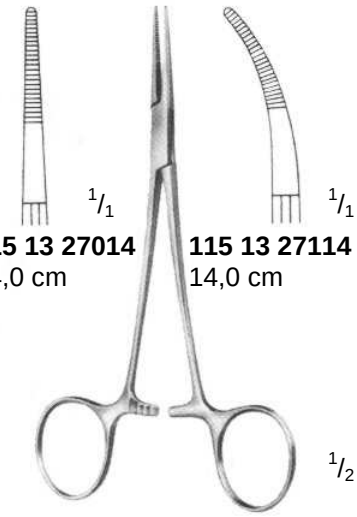
KELLY
14,0 cm



115 13 24216
16,0 cm

115 13 24316
16,0 cm

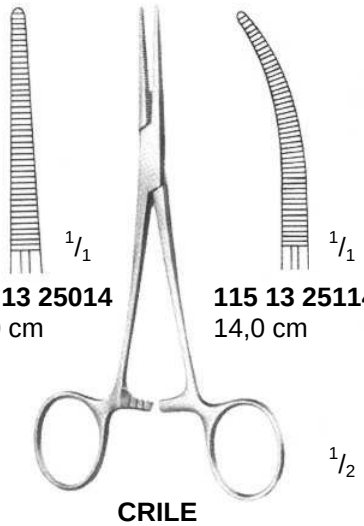
KELLY-RANKIN
16,0 cm



115 13 27014
14,0 cm

115 13 27114
14,0 cm

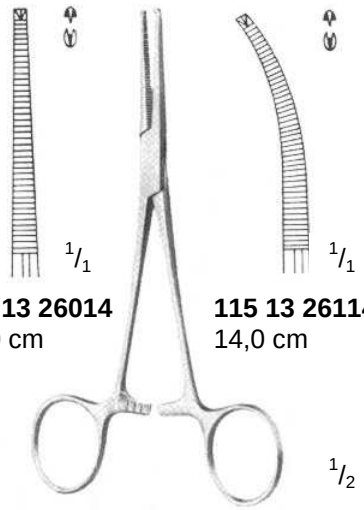
PROVIDENCE-HOSPITAL
14,0 cm



115 13 25014
14,0 cm

115 13 25114
14,0 cm

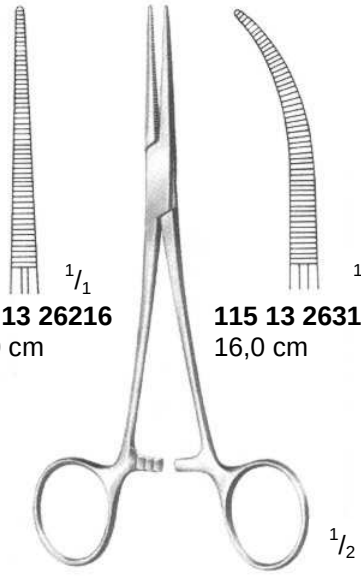
CRILE
14,0 cm



115 13 26014
14,0 cm

115 13 26114
14,0 cm

CRILE
14,0 cm
1× 2 zuby



115 13 26216
16,0 cm

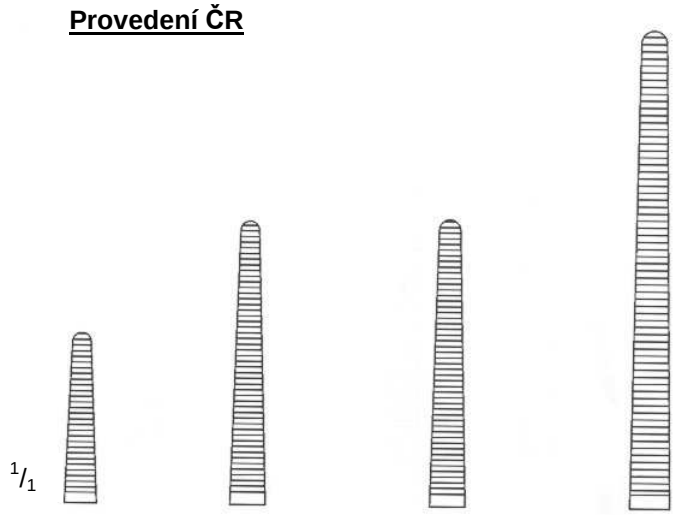
115 13 26316
16,0 cm

CRILE-RANKIN
16,0 cm

Svorky, disektory

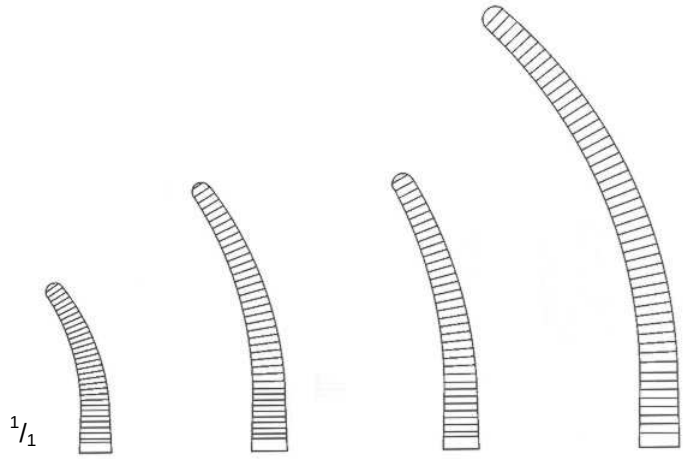
Provedení ČR

ROCHESTER-PEAN



115 08 0220	**115 08 0231**	**115 08 0121**	**115 08 0130**
14,0 cm	16,0 cm	20,0 cm	24,0 cm

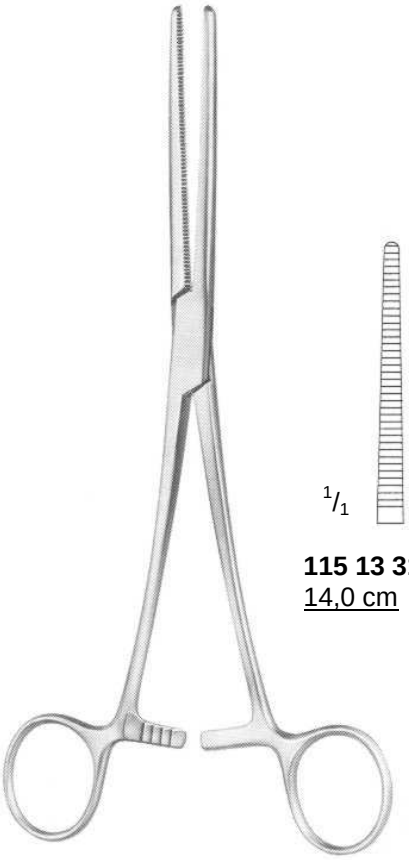
ROCHESTER-PEAN



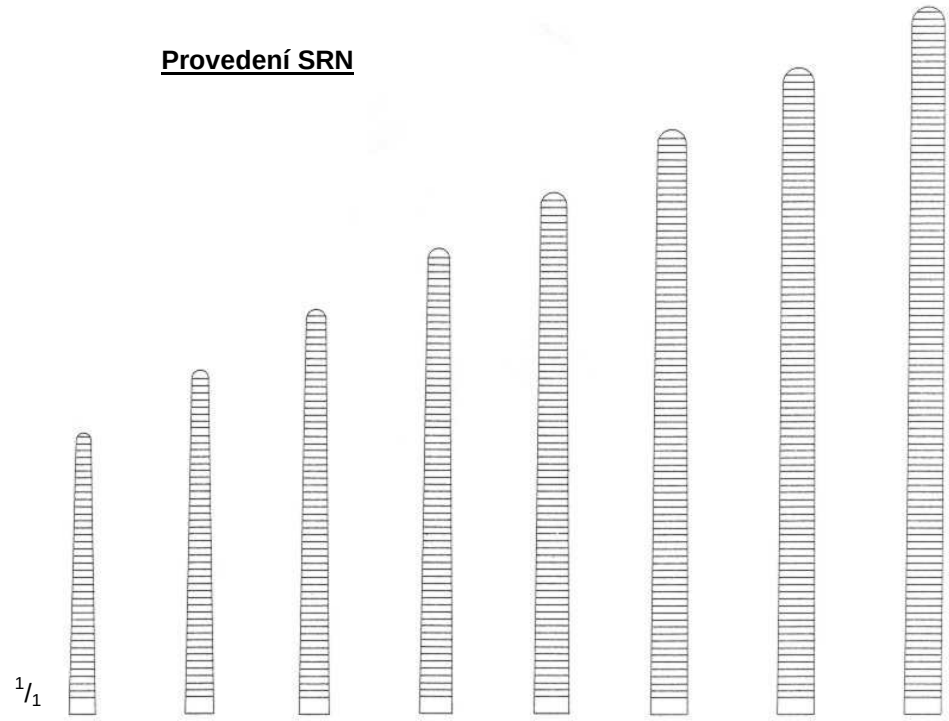
115 08 0260	**115 08 0271**	**115 08 0171**	**115 08 0180**
14,0 cm	16,0 cm	20,0 cm	24,0 cm

Svorky, disektory

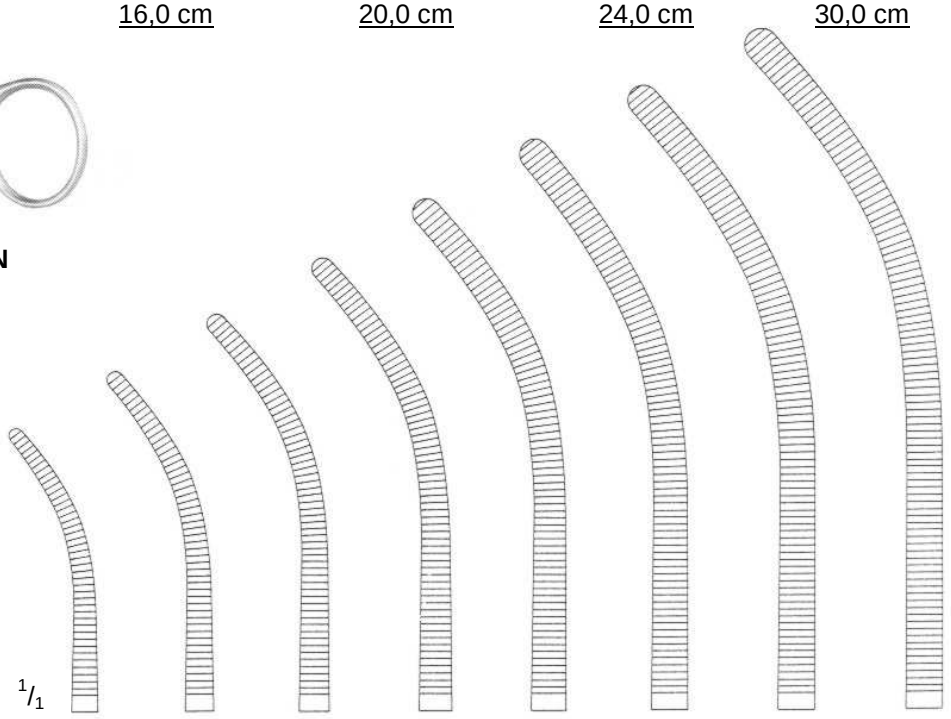
Provedení SRN



ROCHESTER-PEAN



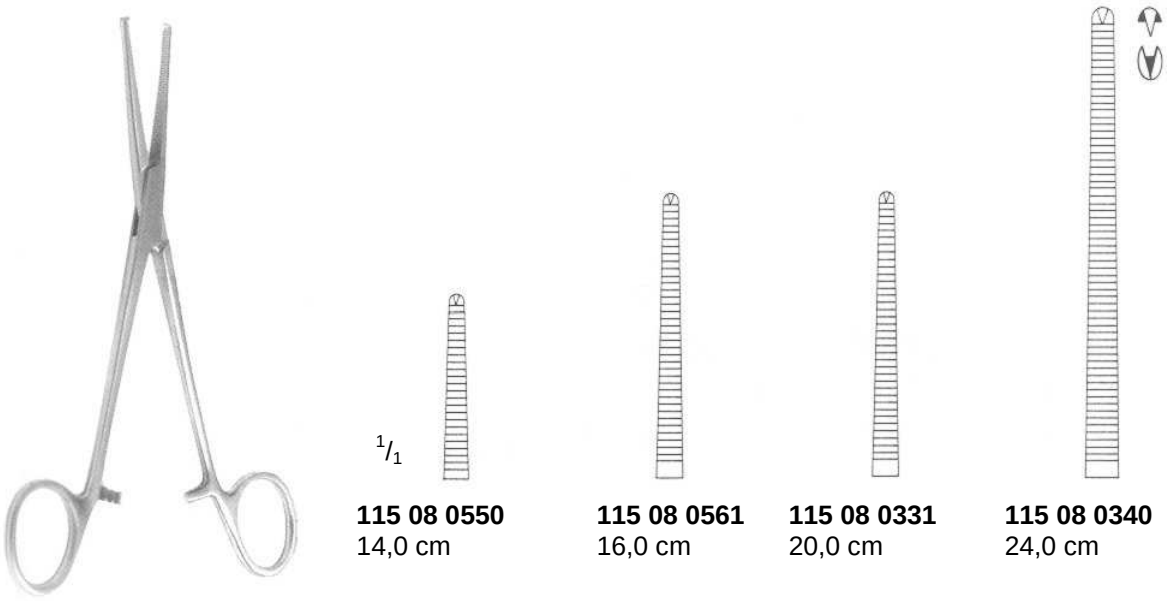
115 13 31014 14,0 cm
115 13 31016 16,0 cm
115 13 31018 18,0 cm
115 13 31020 20,0 cm
115 13 31022 22,0 cm
115 13 31024 24,0 cm
115 13 31026 26,0 cm
115 13 31030 30,0 cm



115 13 31114 14,0 cm
115 13 31116 16,0 cm
115 13 31118 18,0 cm
115 13 31120 20,0 cm
115 13 31122 22,0 cm
115 13 31124 24,0 cm
115 13 31126 26,0 cm
115 13 31130 30,0 cm

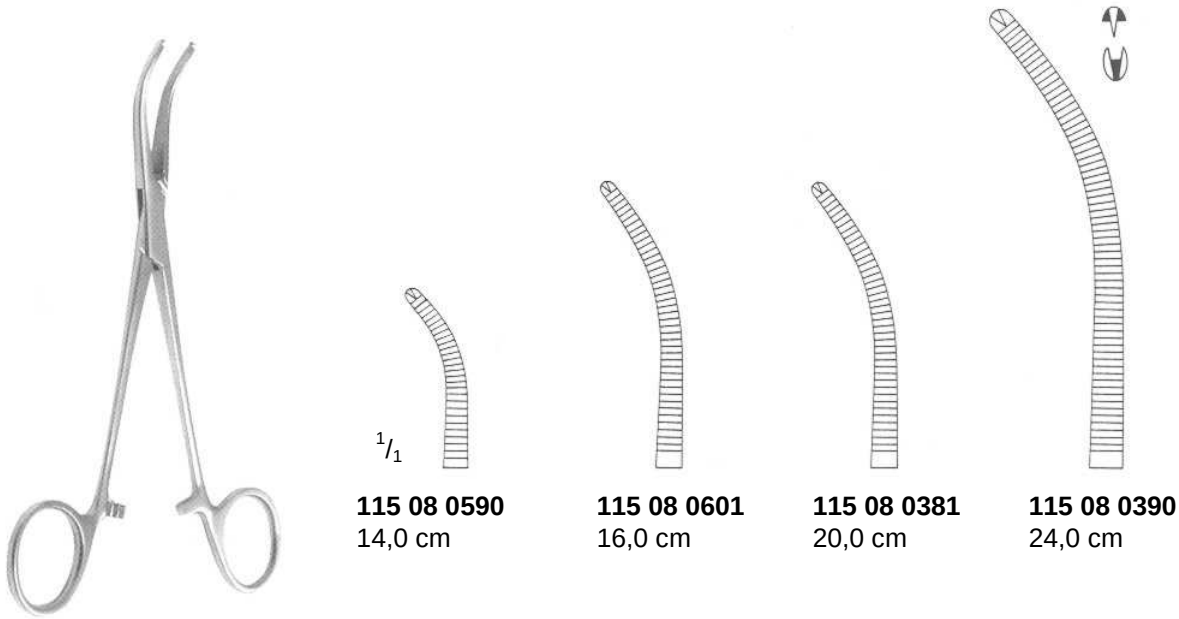
Svorky, disektory

Provedení ČR



115 08 0550 14,0 cm
115 08 0561 16,0 cm
115 08 0331 20,0 cm
115 08 0340 24,0 cm

ROCHESTER-OCHSNER

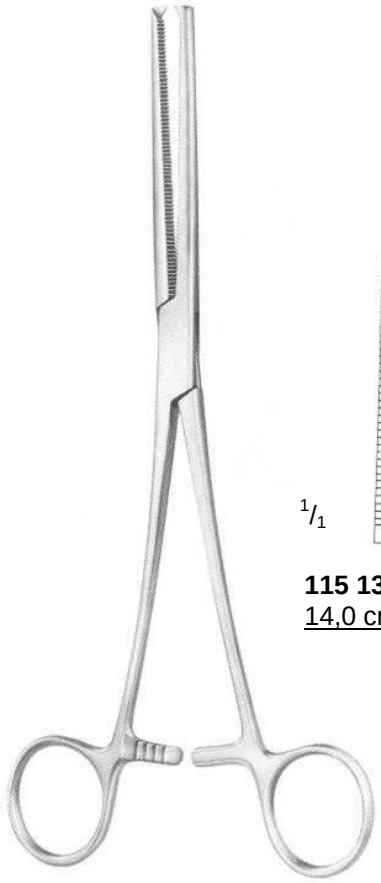


115 08 0590 14,0 cm
115 08 0601 16,0 cm
115 08 0381 20,0 cm
115 08 0390 24,0 cm

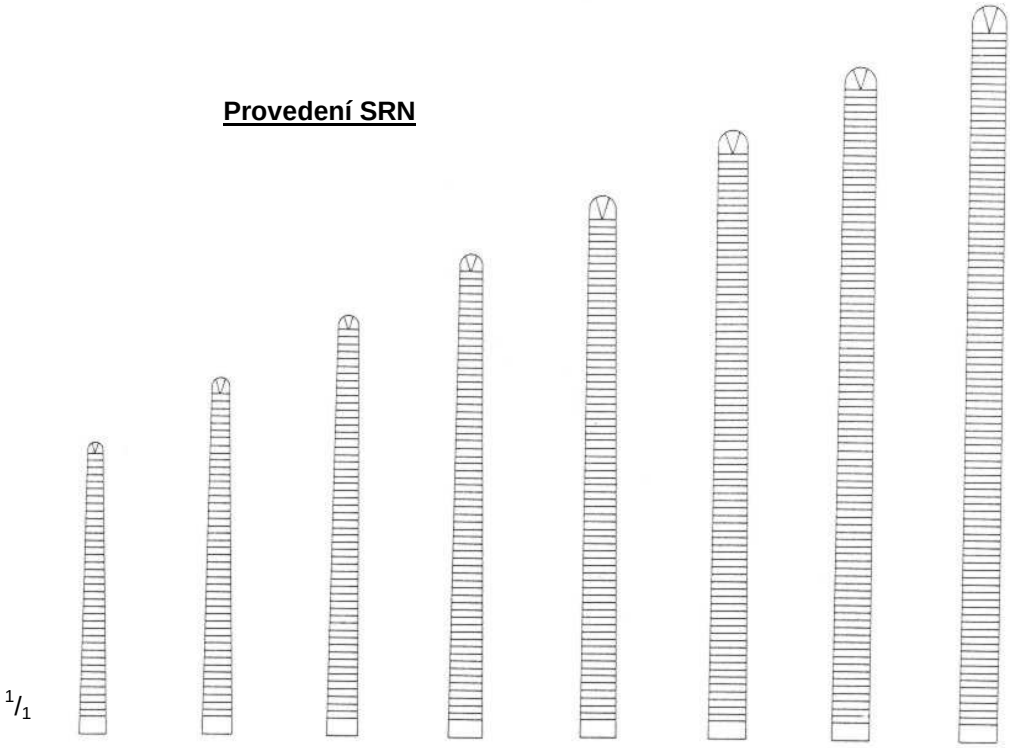
ROCHESTER-OCHSNER

Svorky, disektory

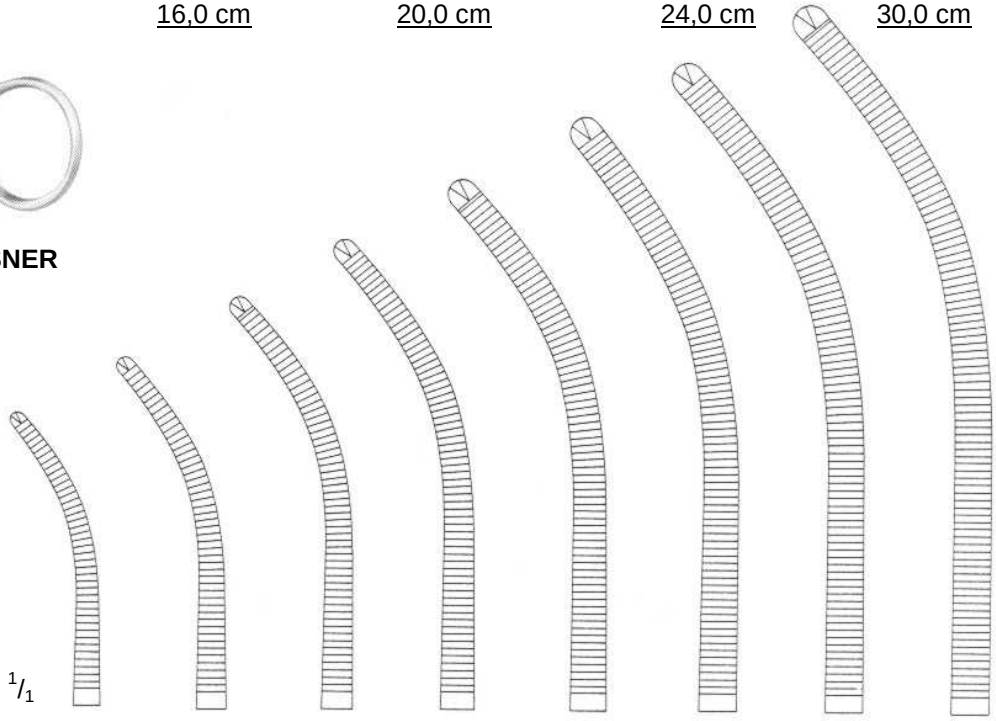
Provedení SRN



ROCHESTER-OCHSNER



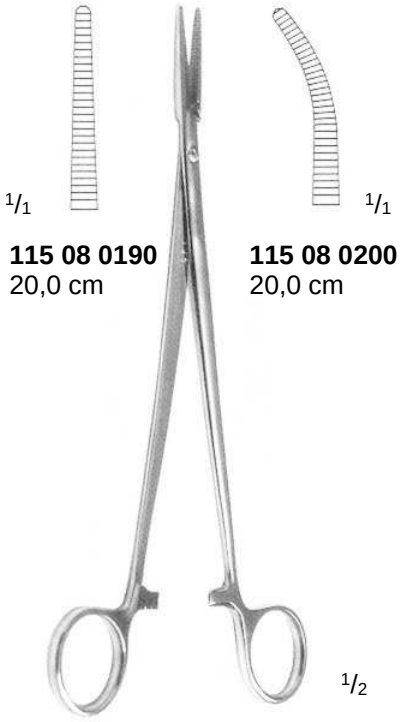
115 13 32014 14,0 cm
115 13 32016 16,0 cm
115 13 32018 18,0 cm
115 13 32020 20,0 cm
115 13 32022 22,0 cm
115 13 32024 24,0 cm
115 13 32026 26,0 cm
115 13 32030 30,0 cm



115 13 32114 14,0 cm
115 13 32116 16,0 cm
115 13 32118 18,0 cm
115 13 32120 20,0 cm
115 13 32122 22,0 cm
115 13 32124 24,0 cm
115 13 32126 26,0 cm
115 13 32130 30,0 cm

Svorky, disektory

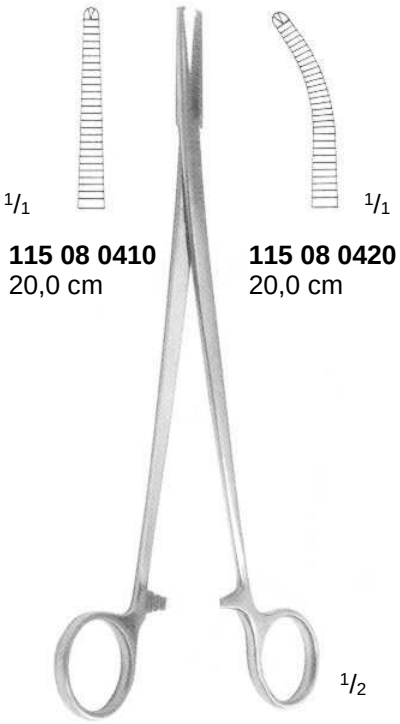
Provedení ČR



115 08 0190
20,0 cm

115 08 0200
20,0 cm

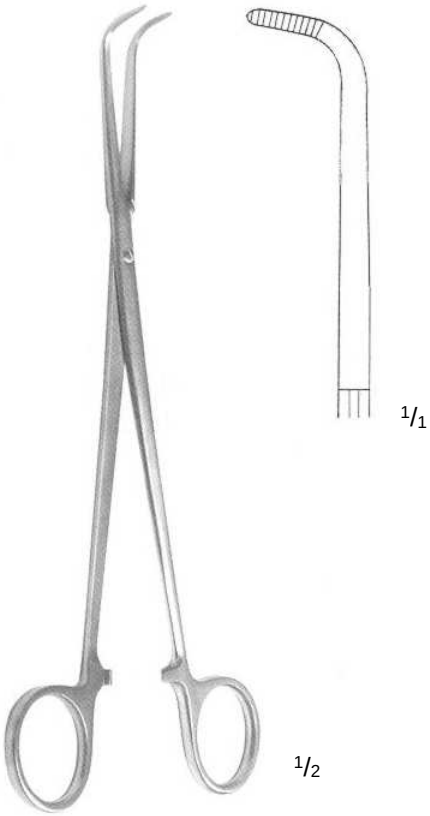
PEAN
20,0 cm



115 08 0410
20,0 cm

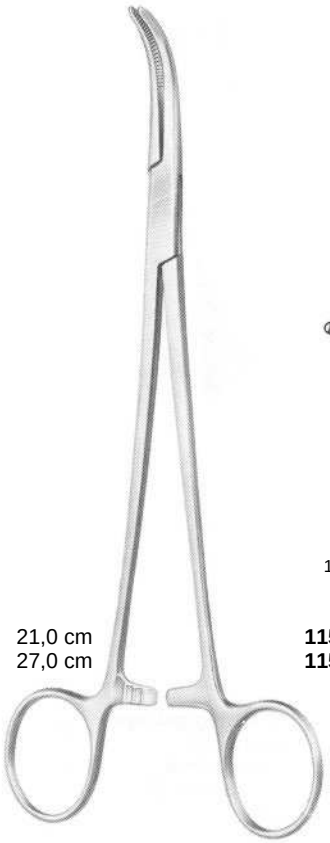
115 08 0420
20,0 cm

KOCHER
20,0 cm

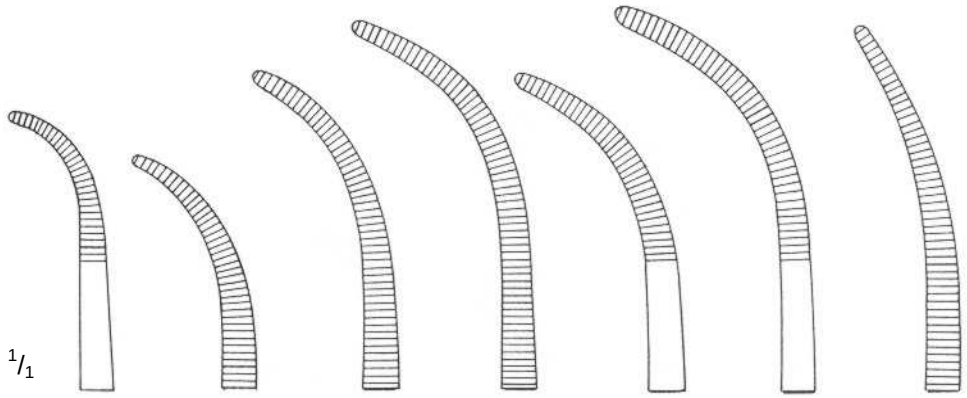


KELLY
115 08 0520
22,5 cm

Svorky, disektory

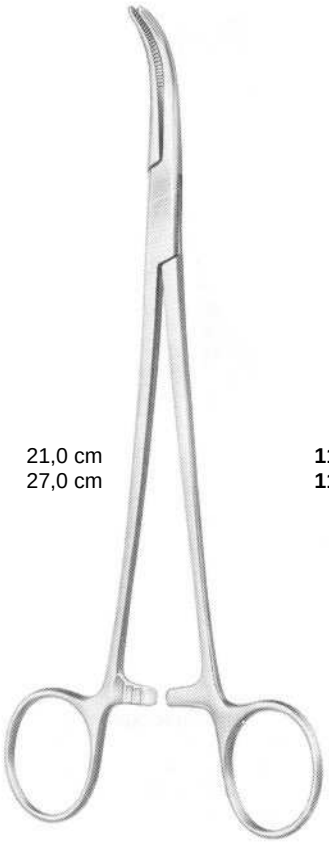


Standard

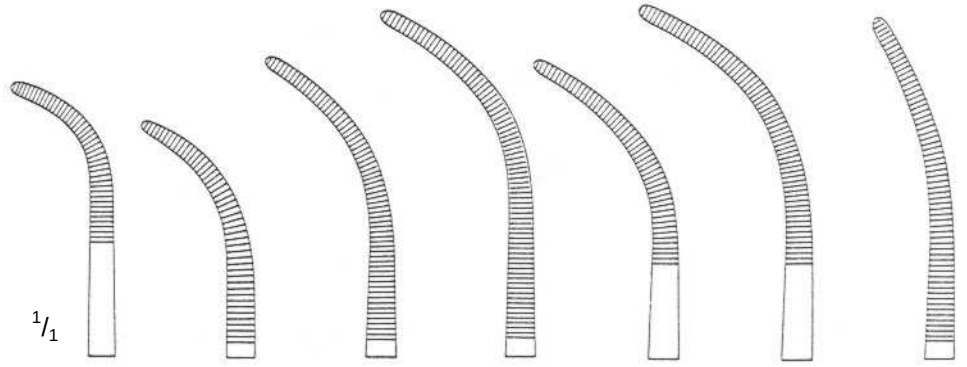


21,0 cm	115 13 42101	115 13 42102	115 13 42103	115 13 42104	115 13 42105	115 13 42106	115 13 42107
27,0 cm	115 08 22301	115 08 22302	115 08 22303	115 08 22304	115 08 22305	115 08 22306	115 08 22307

OVERHOLT-GEISSENDOERFER



Jemná



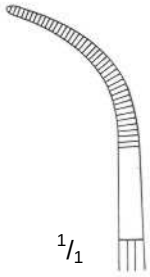
21,0 cm	115 13 42201	115 13 42202	115 13 42203	115 13 42204	115 13 42205	115 13 42206	115 13 42207
27,0 cm	115 08 22401	115 08 22402	115 08 22403	115 08 22404	115 08 22405	115 08 22406	115 08 22407

OVERHOLT-GEISSENDOERFER

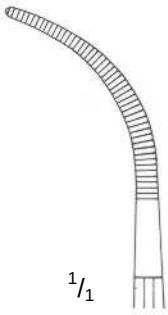
Svorky, disektory

OVERHOLT

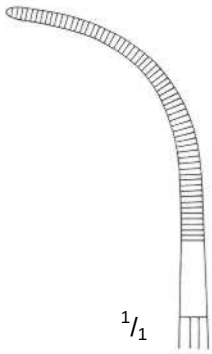
115 08 22901
18,5 cm



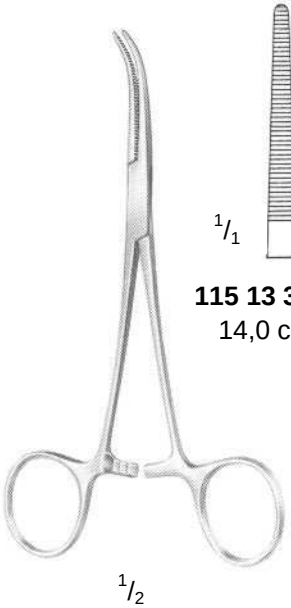
115 08 22902
20,5 cm



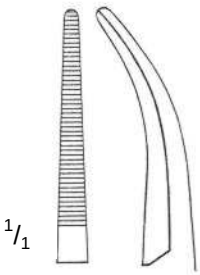
115 08 22903
21,0 cm



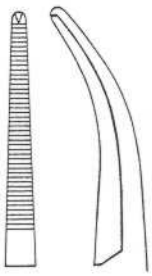
115 08 22904
21,5 cm



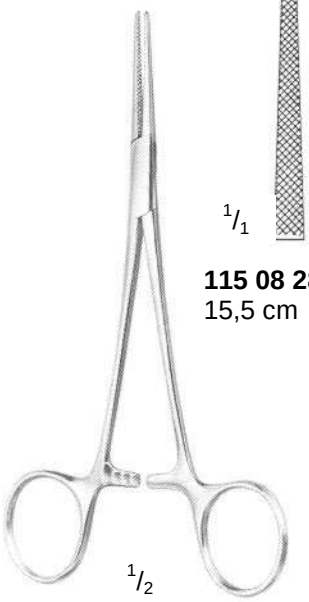
DANDY
14,0 cm



115 13 34514
14,0 cm



115 08 29314
14,0 cm
1 × 2 zuby

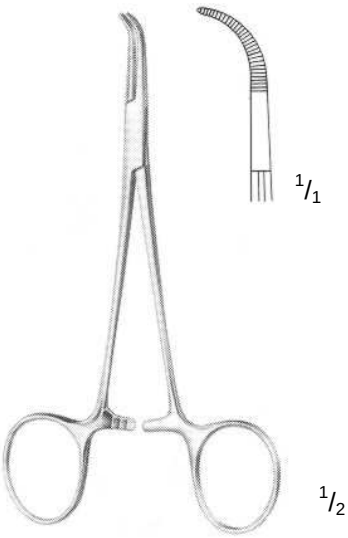


LOVELACE
15,0 cm

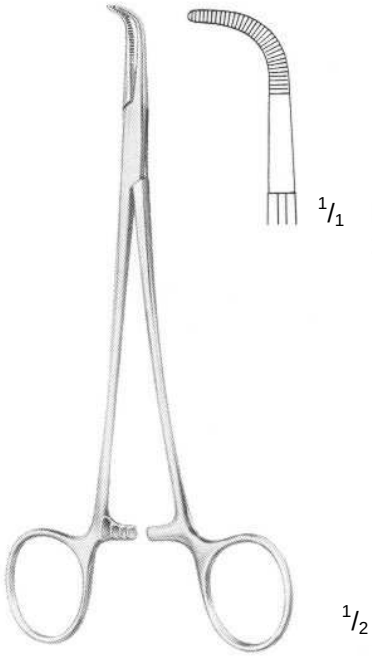
115 08 28615
15,5 cm

115 13 35615
15,5 cm
1 × 2 zuby

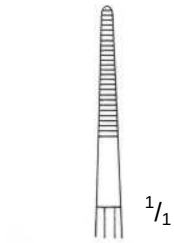
Svorky, disektory



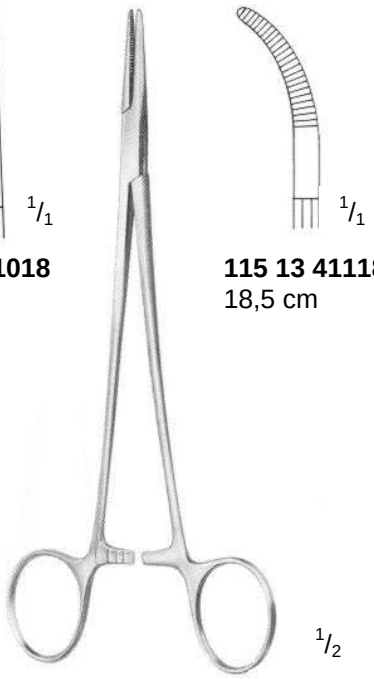
ADSON-BABY
115 08 23514
14,0 cm



ADSON-BABY
115 13 41518
18,5 cm



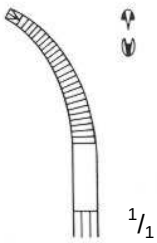
115 13 41018
18,0 cm



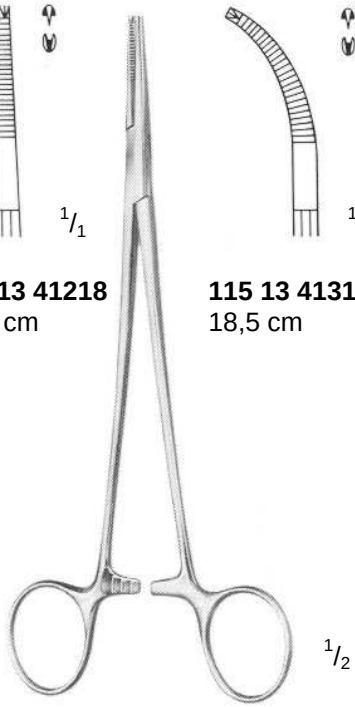
115 13 41118
18,5 cm

ADSON
18,5 cm

115 13 41218
18,5 cm

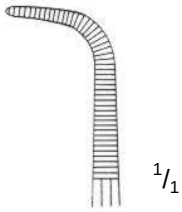


115 13 41318
18,5 cm

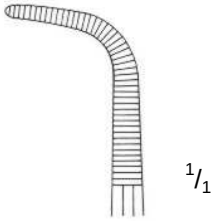


ADSON
18,5cm
1 × 2 zuby

MEEKER

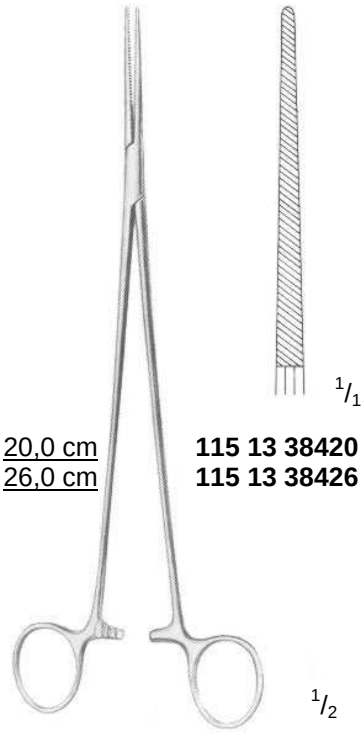


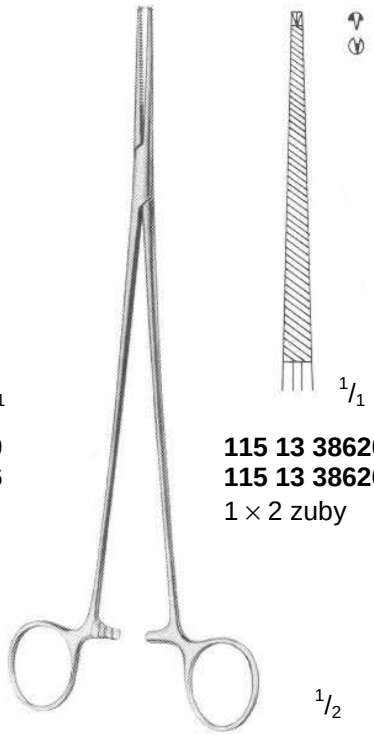
115 08 25118
18,0 cm

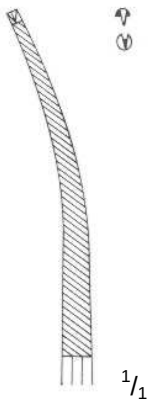


115 13 45928
28,0 cm

Svorky, disektory



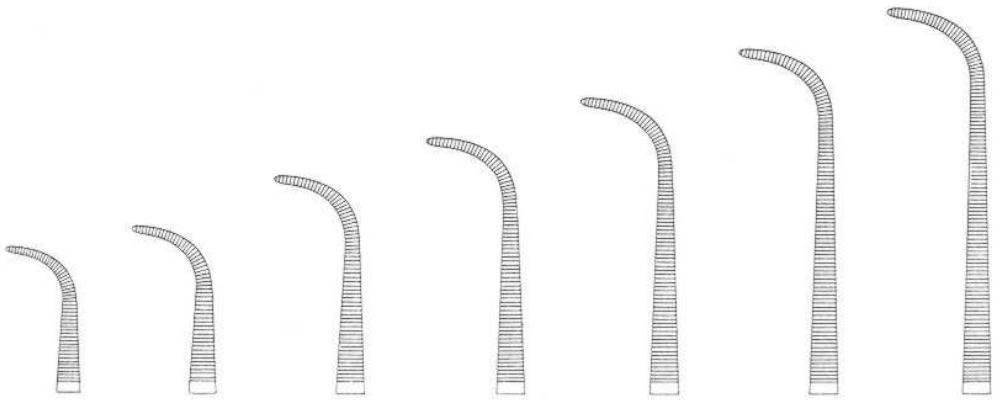




20,0 cm	**115 13 38420**	**115 13 38520**	**115 13 38620**	**115 13 38720**
26,0 cm	**115 13 38426**	**115 13 38526**	**115 13 38626**	**115 13 38726**
			1 × 2 zuby	

BENGOLEA

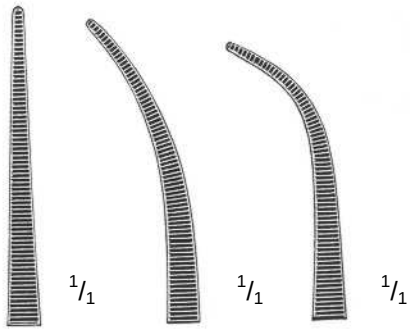
BENGOLEA
1 × 2 zuby



115 13 43113	**115 13 43116**	**115 13 43118**	**115 13 43120**	**115 13 43123**	**115 13 43125**	**115 13 43128**
13,0 cm	16,0 cm	18,0 cm	20,0 cm	23,0 cm	25,0 cm	28,0 cm

GEMINI

Svorky, disektory

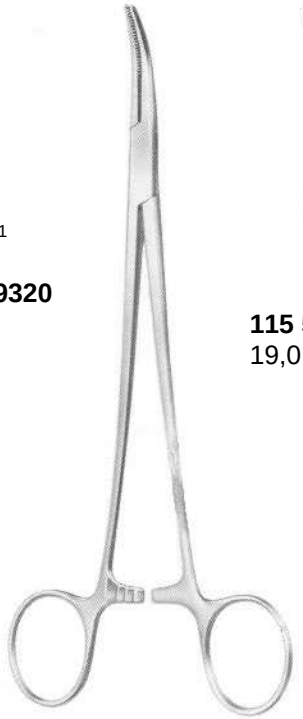


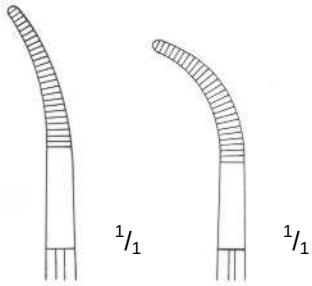
115 13 39020
20,0 cm

115 13 39120
20,0 cm

115 13 39320
20,0 cm

HEISS
20,0 cm

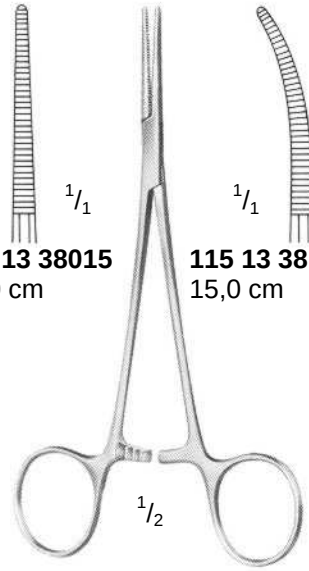




115 51 18319
19,0 cm

115 51 18119
19,0 cm

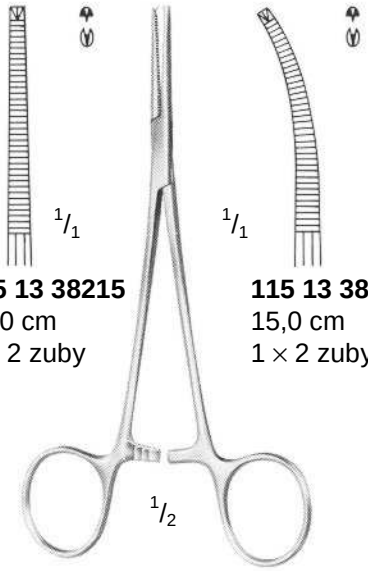
SCHNIDT - SAWTELL
19,0 cm



115 13 38015
15,0 cm

115 13 38115
15,0 cm

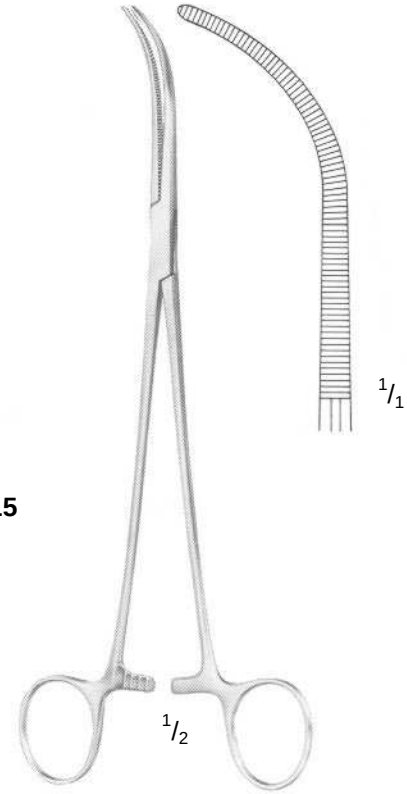
LERICHE
15,0 cm



115 13 38215
15,0 cm
1 × 2 zuby

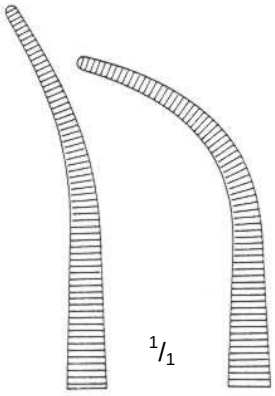
115 13 38315
15,0 cm
1 × 2 zuby

LERICHE
15,0 cm
1 × 2 zuby



OVERHOLT - MIXTER
115 08 31921
21,0 cm

Svorky, disektory

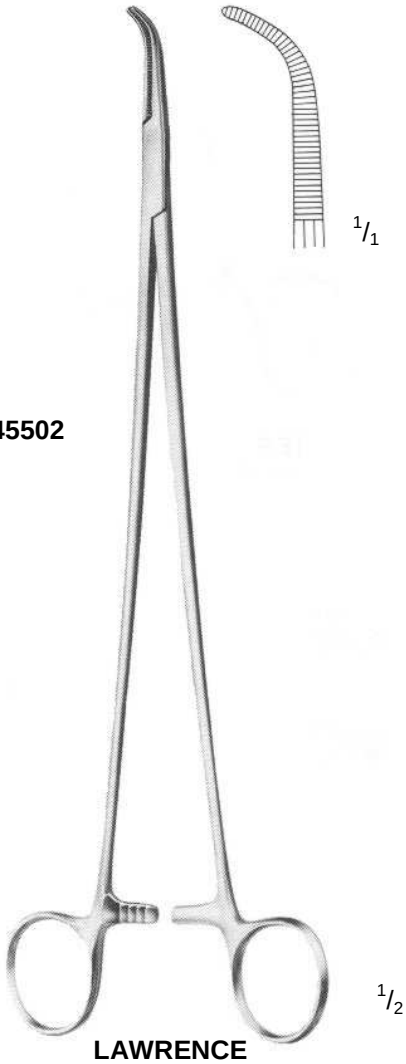


1/1

115 13 45501
29,5 cm

115 13 45502
29,5 cm

ZENKER
29,5 cm



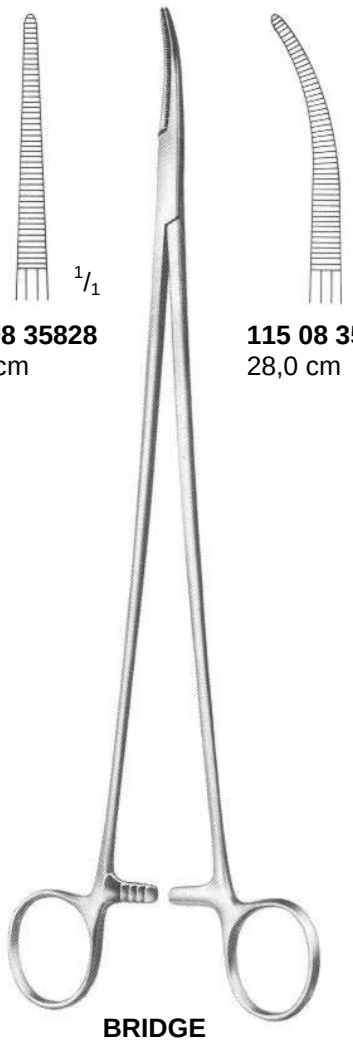
1/1

1/2

LAWRENCE
115 13 45728
28,0 cm

1/1

115 08 35828
28,0 cm



1/1

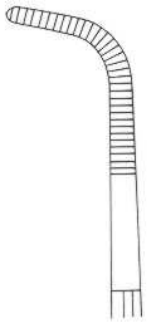
1/2

115 08 35928
28,0 cm

BRIDGE
28,0 cm

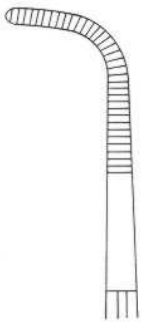
1/2

KANTROWITZ



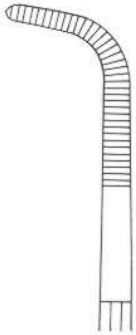
1/1

115 08 36320
20,0 cm



1/1

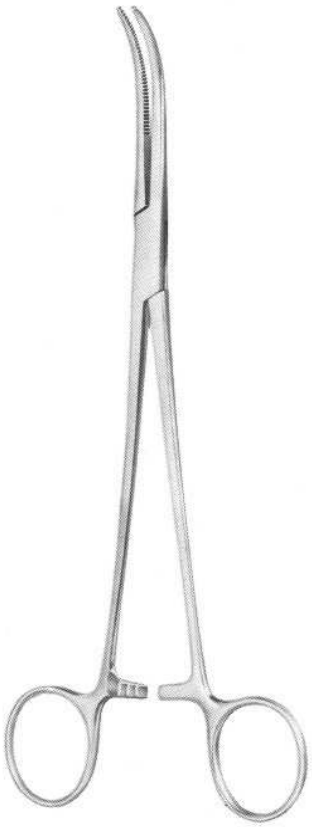
115 08 36324
24,0 cm



1/1

115 08 36328
28,0 cm

Svorky, disektory

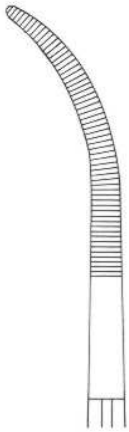


1/2

RUMEL
23,0 cm

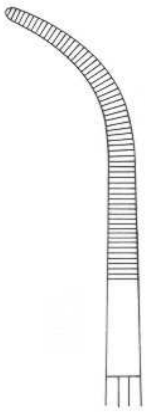
1/1

115 13 44101
23,0 cm



1/1

115 13 44102
23,0 cm



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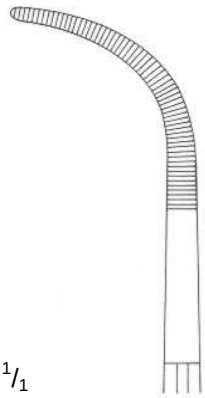
115 13 44103
23,0 cm



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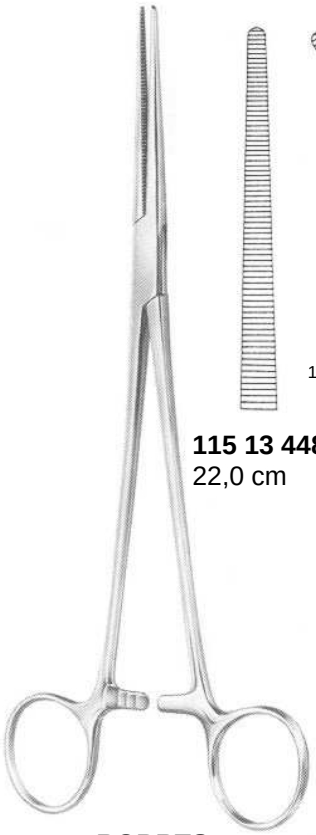
115 13 44104
23,0 cm



1/2

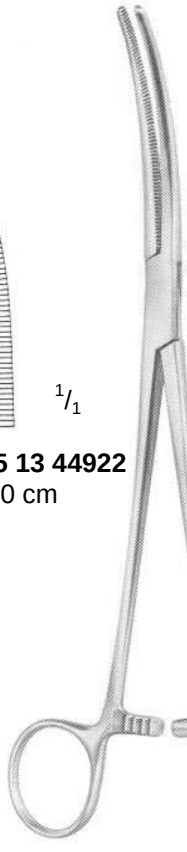
ROBRTS
22,0 cm

1/1

115 13 44822
22,0 cm

1/1

115 13 44922
22,0 cm



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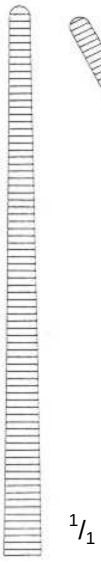
SAROT
24,0 cm

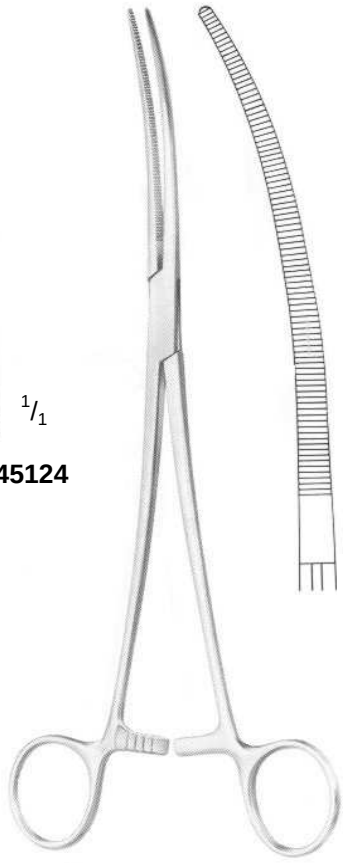


1/1

115 13 45024
24,0 cm

1/1

115 13 45124
24,0 cm



1/1

1/2

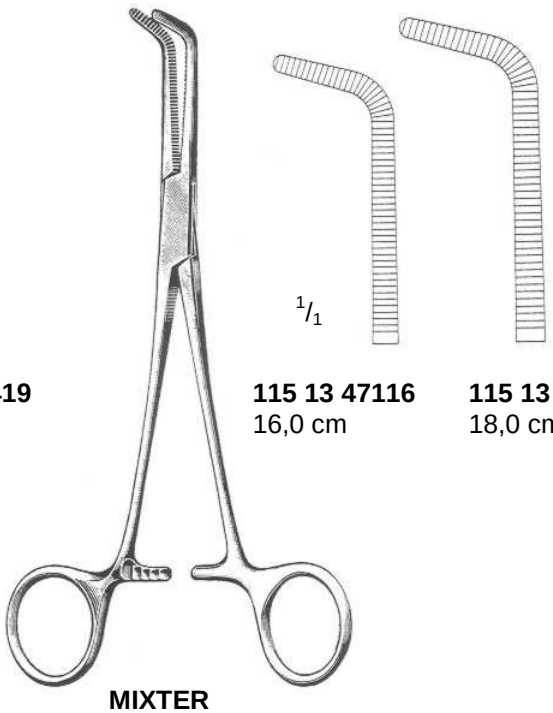
CRAFOORD
115 13 45324
24,0 cm

Svorky, disektory

115 08 34515
15,0 cm

115 08 35419
19,0 cm

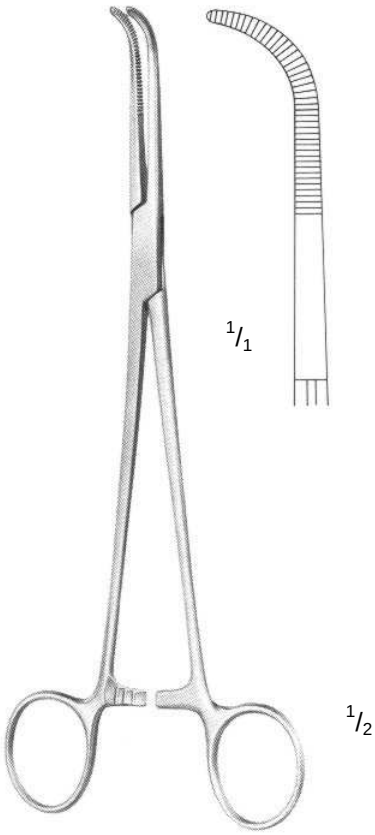
MIXTER



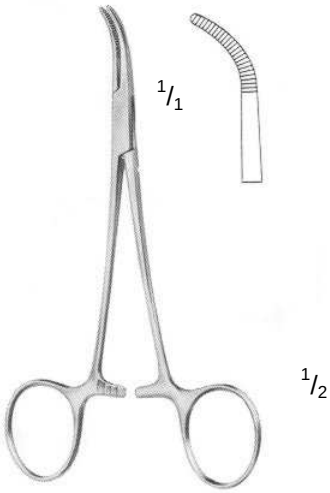
115 13 47116
16,0 cm

115 13 47118
18,0 cm

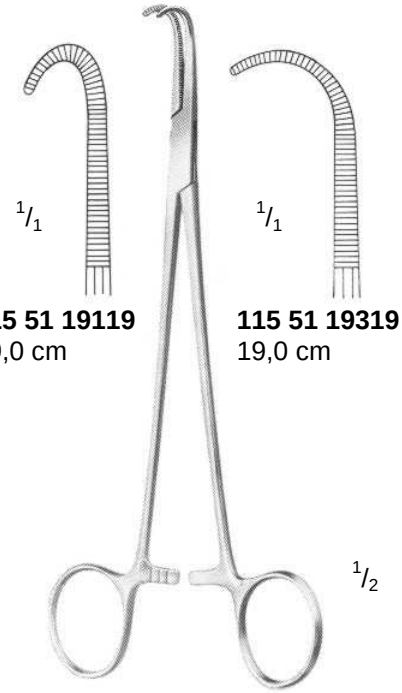
MIXTER



MIXTER
115 13 47322
22,0 cm



BABY-MIXTER
115 13 47514
14,0 cm

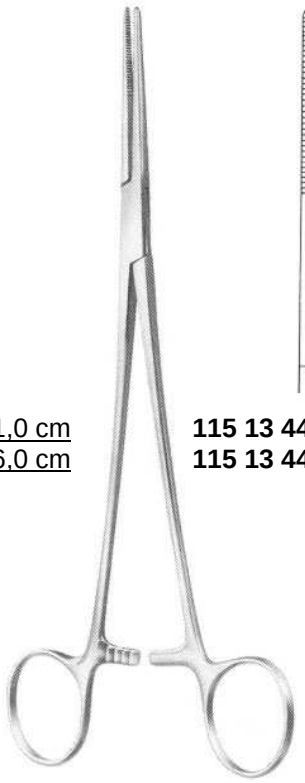


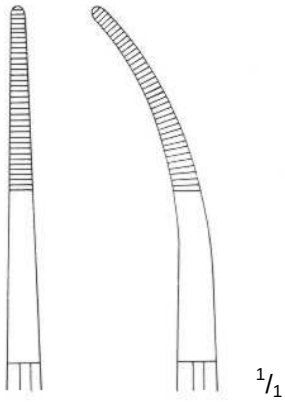
115 51 19119
19,0 cm

115 51 19319
19,0 cm

NEGUS
19,0 cm

Svorky, disektory



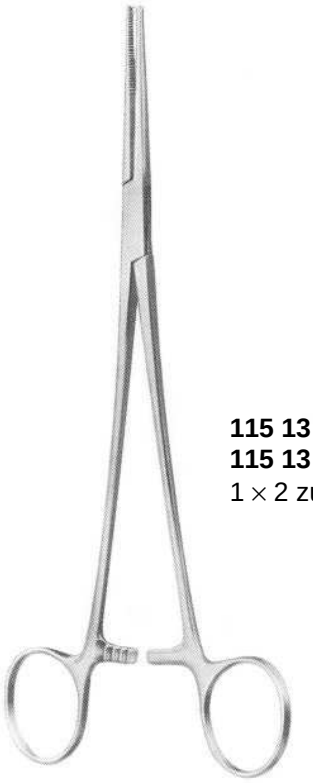


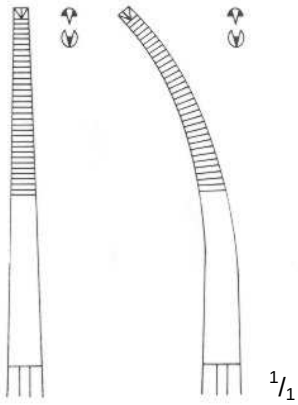
1/1

21,0 cm **115 13 44221** **115 13 44321**
26,0 cm **115 13 44226** **115 13 44326**

1/2

TOENNIS



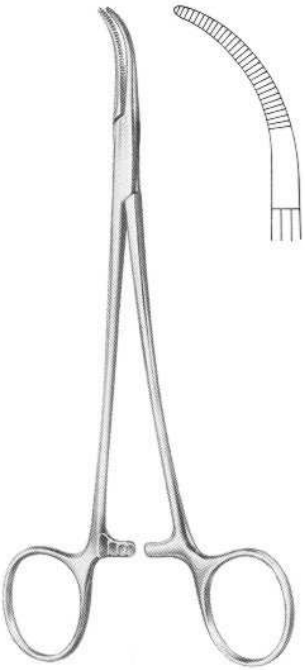


1/1

115 13 44421 **115 13 44521**
115 13 44426 **115 13 44526**
1 × 2 zuby 1 × 2 zuby

1/2

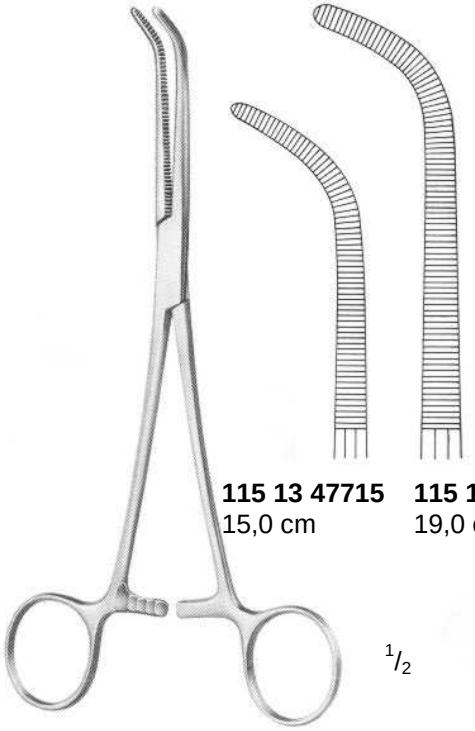
TOENNIS
1 × 2 zuby



1/1

1/2

BABY - MIXTER
115 13 47518
18,0 cm



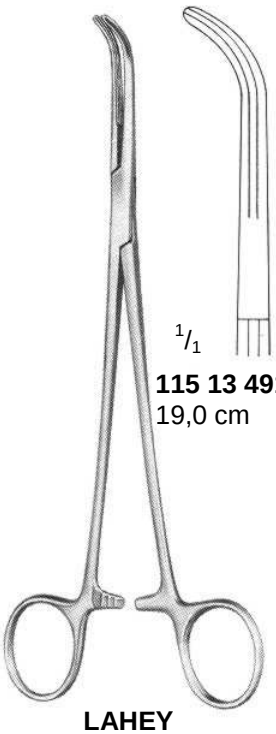
1/1

115 13 47715 **115 13 47719**
15,0 cm 19,0 cm

1/2

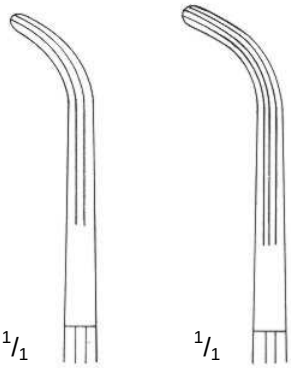
MIXER - O'SHAUGNESSY

Svorky, disektory



1/1

115 13 49119
19,0 cm

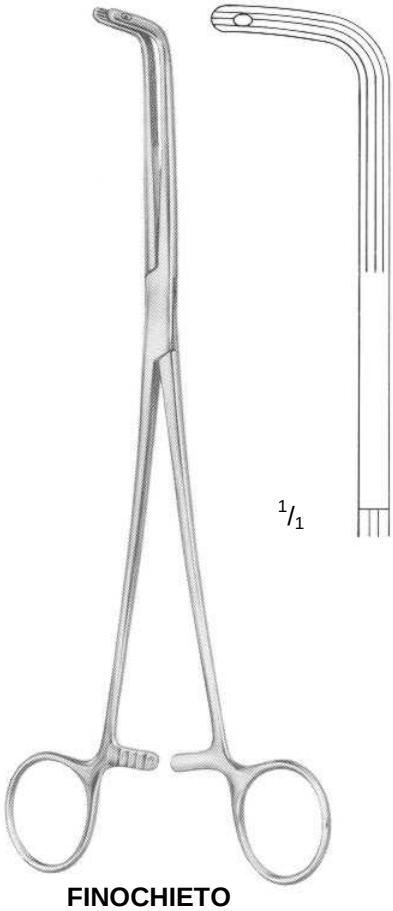


1/1

115 13 49323
23,0 cm

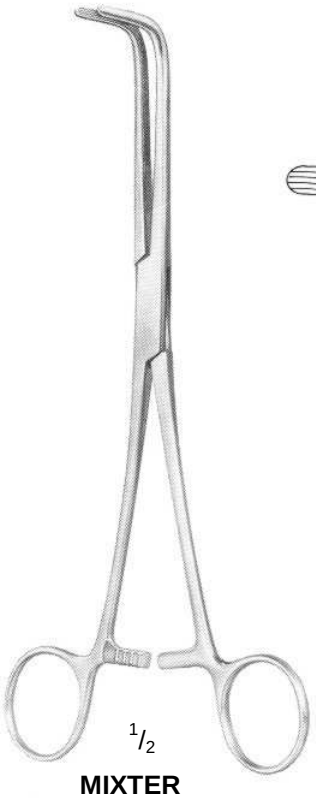
1/2

LAHEY



1/1

FINOCHIETO
115 57 30724
24,0 cm



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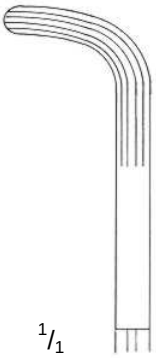
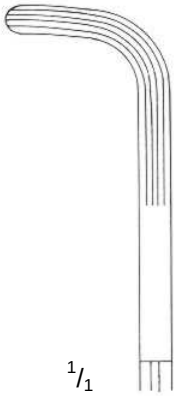
MIXTER



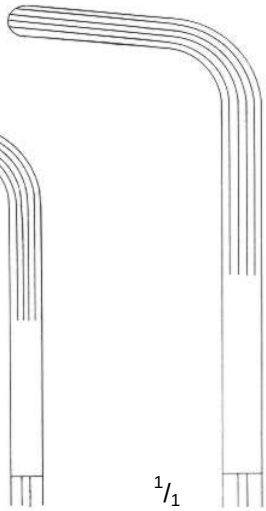
1/1

115 13 47922
22,0 cm



1/1

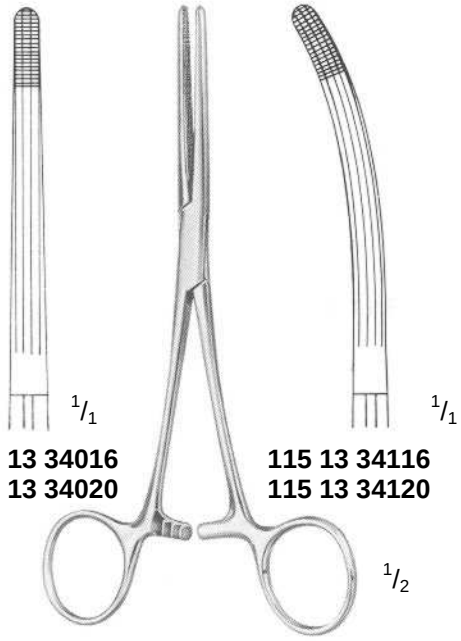
115 13 47925
25,0 cm



1/1

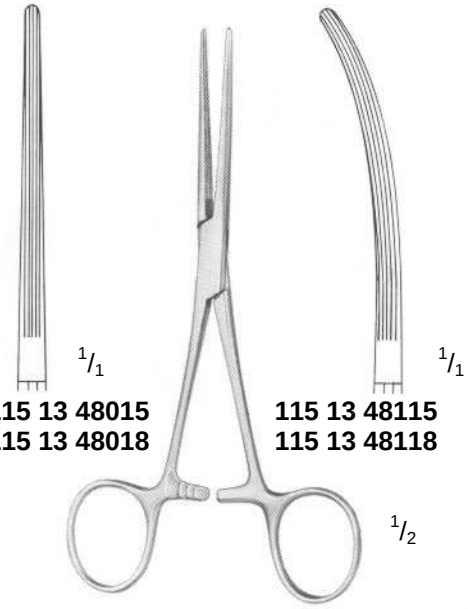
115 13 47928
28,0 cm

Svorky, disektory



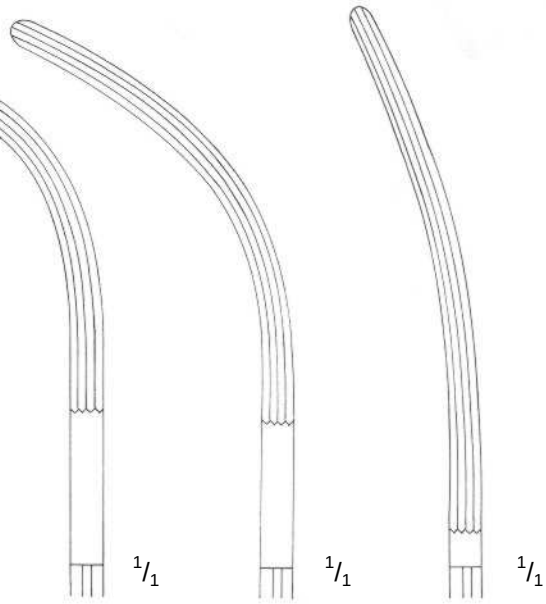
16,0 cm	**115 13 34016**	**115 13 34116**
20,0 cm	**115 13 34020**	**115 13 34120**

ROCHESTER-CARMALT



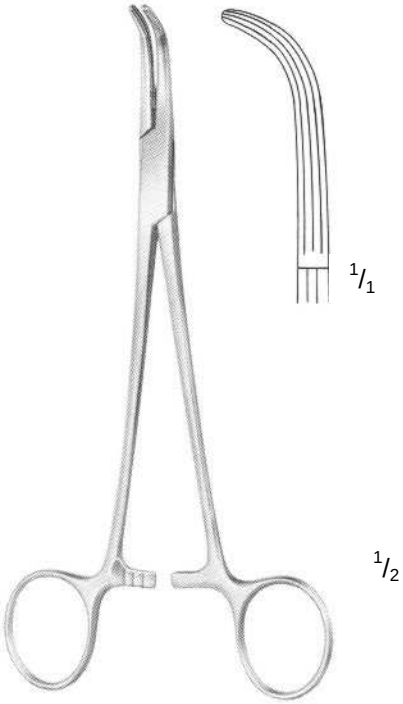
15,0 cm	**115 13 48015**	**115 13 48115**
18,0 cm	**115 13 48018**	**115 13 48118**

BAINBRIDGE



115 13 45601	**115 13 45602**	**115 13 45603**
24,0 cm	24,0 cm	24,0 cm

CRAFOORG-SELLORS



LOWER
115 13 49518
18,0 cm

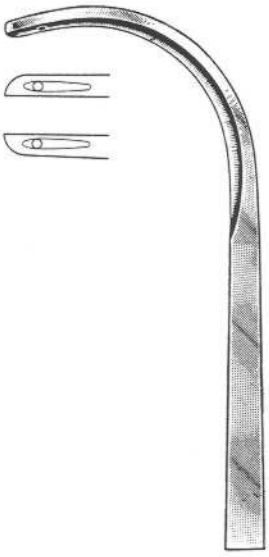
Svorky, disektory

1/2

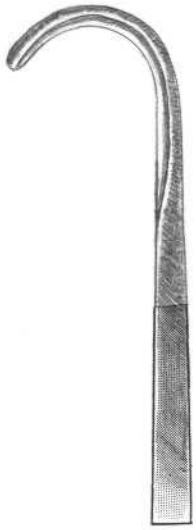
SEMB

1/1

115 14 1170
21,5 cm



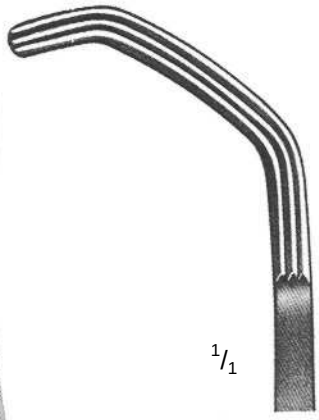
115 14 1180
25,0 cm



115 14 1190
25,0 cm

1/2

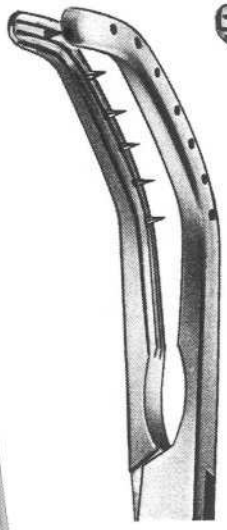
PRICE - THOMAS
115 57 30922
22,0 cm



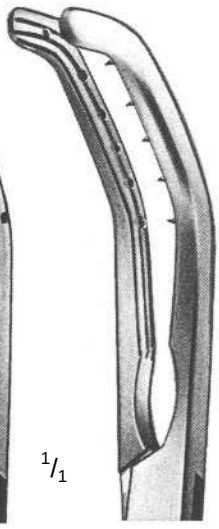
1/1

1/2

PRICE - THOMAS
22,0 cm



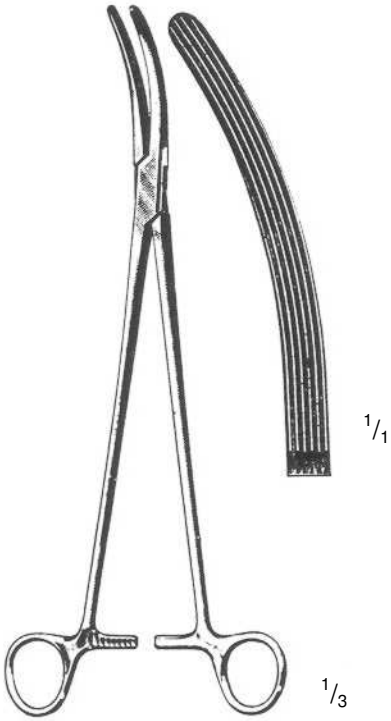
115 57 31122
22,0 cm
levý



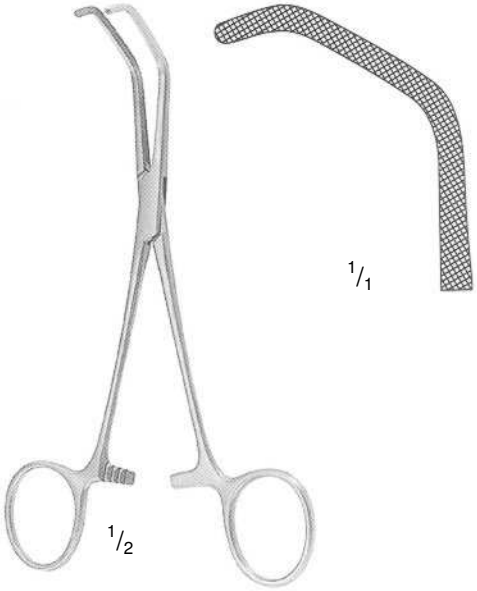
1/1

115 57 31322
22,0 cm
pravý

Svorky, disektory

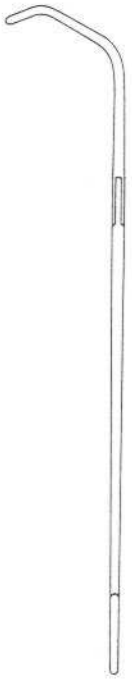


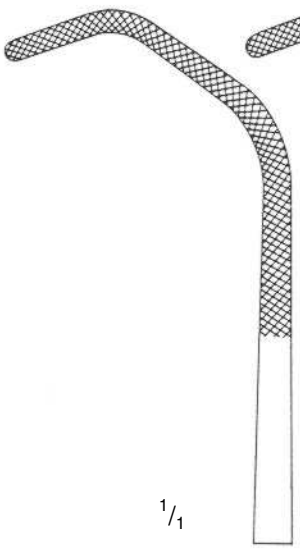
HARRINGTON
115 57 30130
30,5 cm



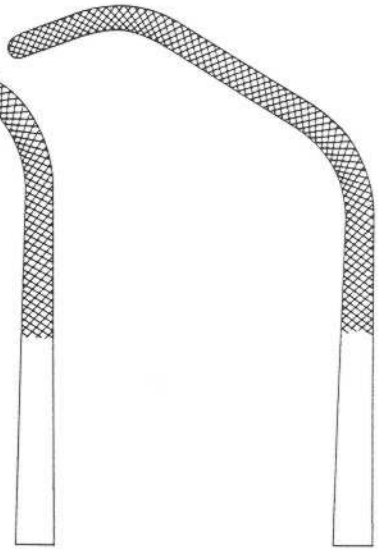
SATINSKY
115 57 32515
15,0 cm

SATINSKY
26,0 cm





115 57 32726
26,0 cm



115 57 32926
26,0 cm

Svorky, disektory

1/1

DIEFFENBACH

1/1

115 13 10204
3,5 cm

115 08 06005
5,0 cm

115 13 10205
5,5 cm

1/1

115 13 10304
3,5 cm

115 08 06105
5,0 cm

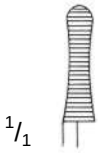
115 13 10305
5,5 cm

1/2

JOHNS-HOPKINS
117 13 11500
23,0 cm

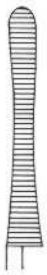
1/1

JOHNS-HOPKINS

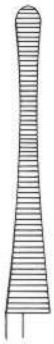


1/1

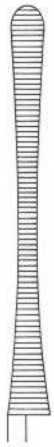
115 13 11050
5,0 cm



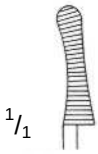
115 13 11065
6,5 cm



115 13 11075
7,5 cm

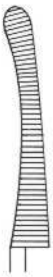


115 13 11090
9,0 cm



1/1

115 13 11150
5,0 cm

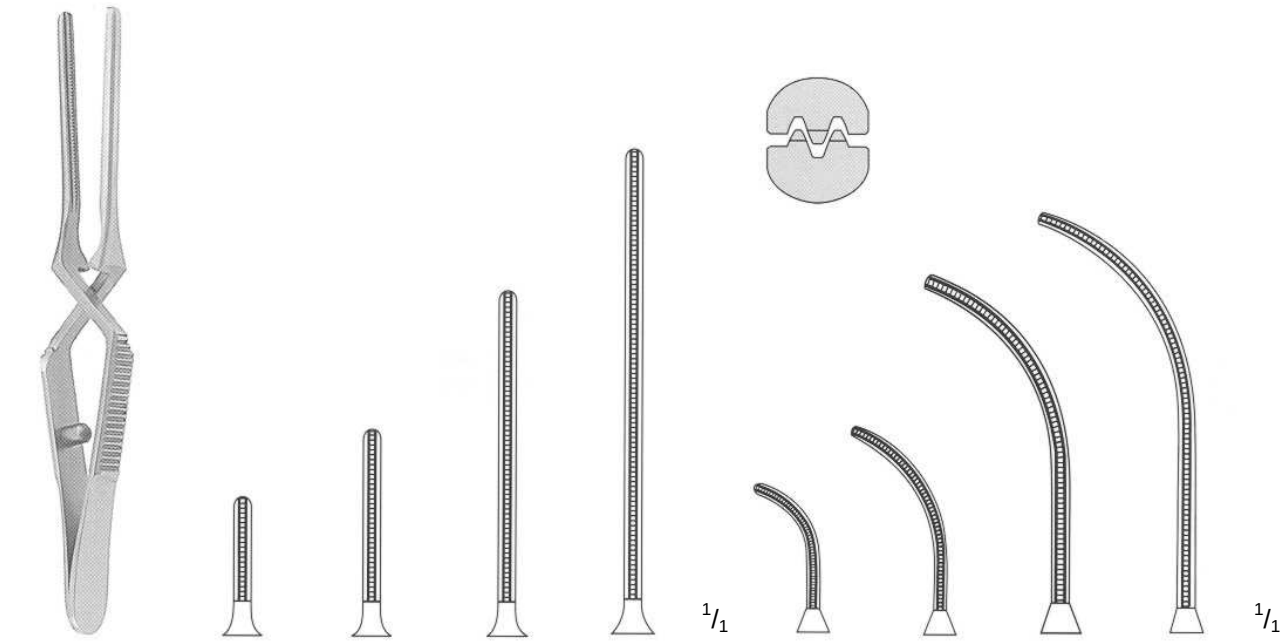


115 13 11165
6,5 cm

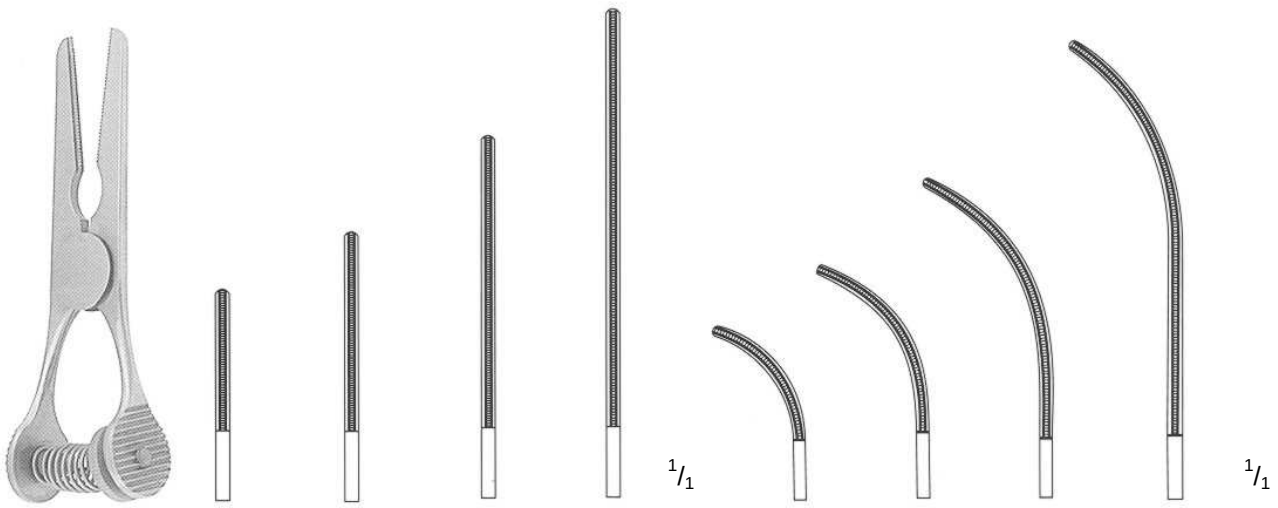
115 13 11175
7,5 cm

115 13 11190
9,0 cm

Svorky, disektory



DE BAKEY	**115 13 09207**	**115 13 09208**	**115 13 09210**	**115 13 09212**	**115 13 09307**	**115 13 09308**	**115 13 09310**	**115 13 09312**
	7,5 cm	8,5 cm	10,5 cm	12,0 cm	7,0 cm	8,0 cm	10,0 cm	11,0 cm



GLOVER	**115 13 09606**	**115 13 09607**	**115 13 09609**	**115 13 09611**	**115 13 09706**	**115 13 09707**	**115 13 09709**	**115 13 09711**
	6,0 cm	7,0 cm	9,0 cm	11,0 cm	5,5 cm	6,5 cm	8,5 cm	10,5 cm

Svorky, disektory

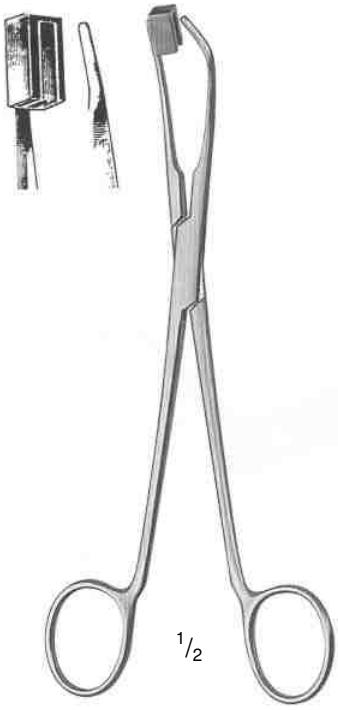
DIEFFENBACH

115 14 1050
6,5 cm

115 14 0160
6,5 cm

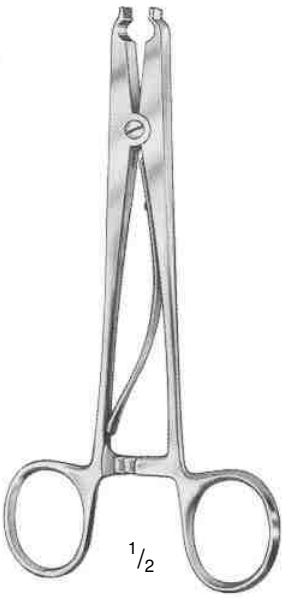
115 14 0010
2,5 cm

115 14 0020
2,5 cm

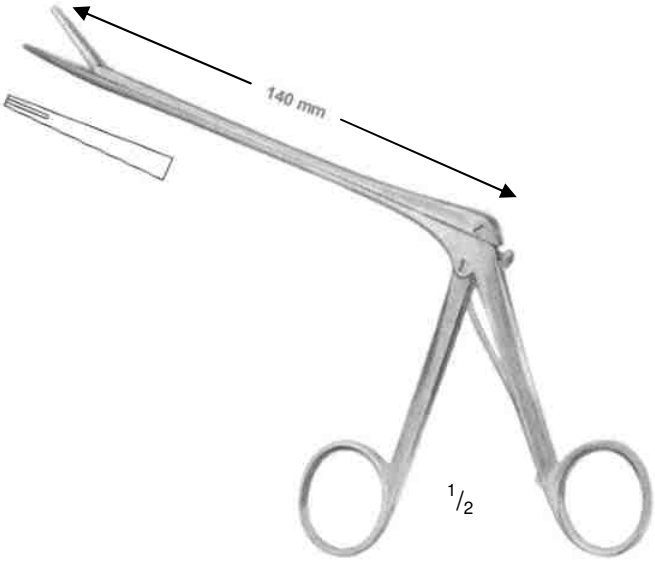


SCHWARTZ
117 50 0620
22,0 cm

RANEY
115 41 02700
2,0 cm



RANEY
117 41 02800
16,0 cm



OLIVECRONA - TOENNIS
117 41 01914
14,0 cm

Svorky, disektory

Pro klipy Ethicon

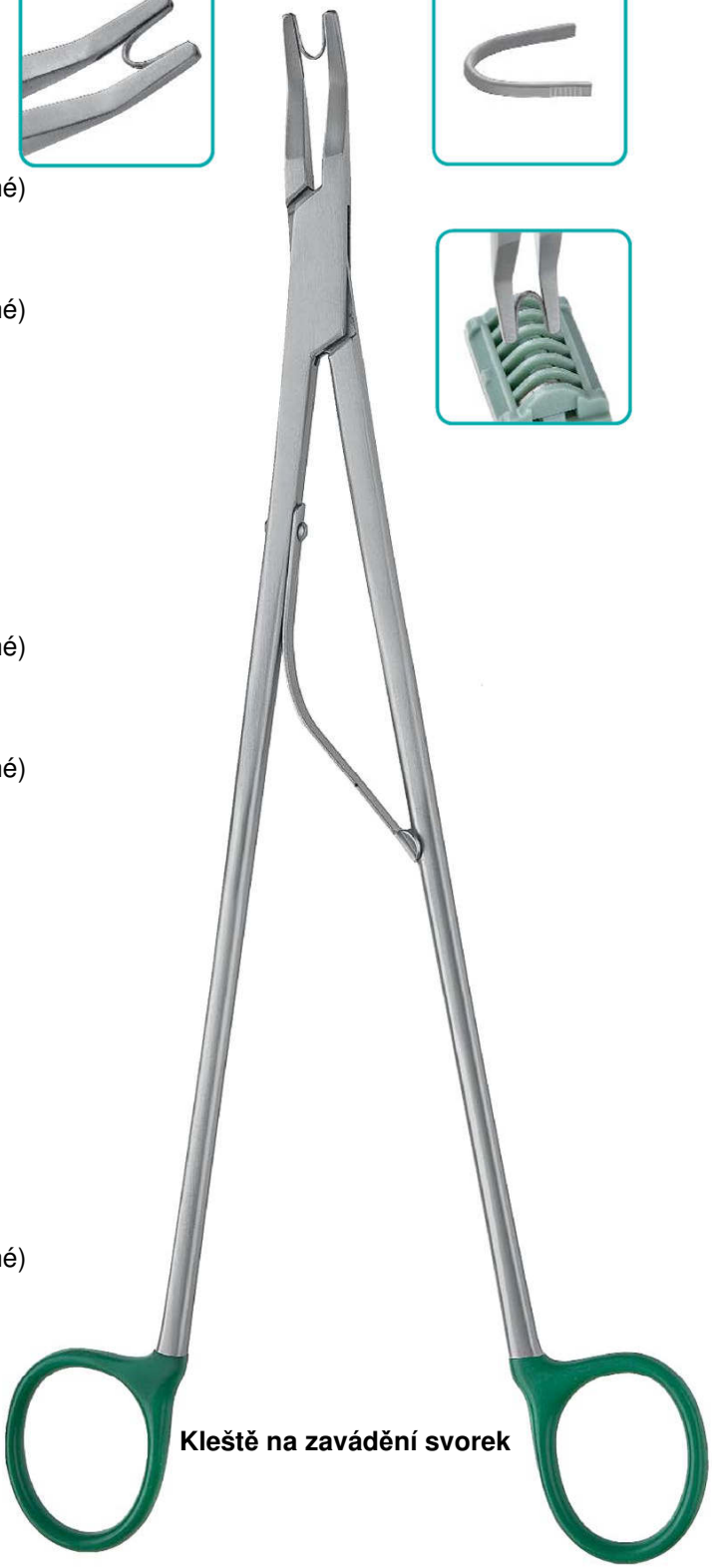
117 61 47015	15,0 cm	malé (modré)
117 61 47115	15,0 cm	střední (bílé)
117 61 47019	19,0 cm	malé (modré)
117 61 47119	19,0 cm	střední (bílé)
117 61 47219	19,0 cm	středně velké (zelené)
117 61 47319	19,0 cm	velké (žluté)
117 61 47128	28,0 cm	střední (bílé)
117 61 47228	28,0 cm	středně velké (zelené)
117 61 47328	28,0 cm	velké (žluté)

Pro klipy Pilling

117 61 48115	15,0 cm	malé (žluté)
117 61 48215	15,0 cm	střední (modré)
117 61 48119	19,0 cm	malé (žluté)
117 61 48219	19,0 cm	střední (modré)
117 61 48419	19,0 cm	středně velké (zelené)
117 61 48319	19,0 cm	velké (oranžová)
117 61 48228	28,0 cm	střední (modré)
117 61 48428	28,0 cm	středně velké (zelené)
117 61 48328	28,0 cm	velké (oranžové)

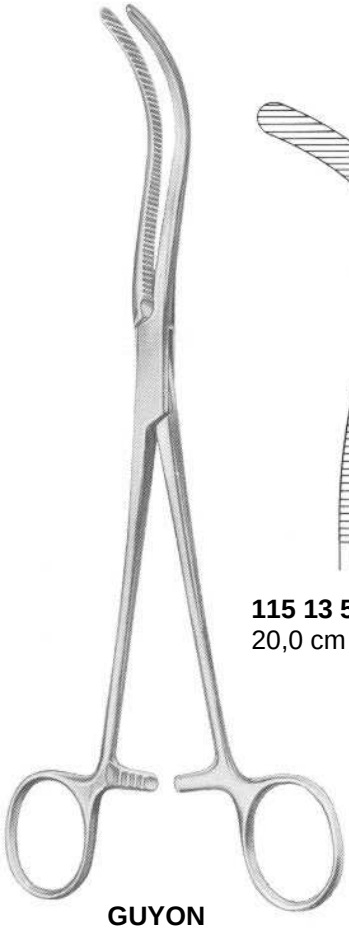
Pro klipy Ethicon – pracovní část pod úhlem 45°

180-919-451	28,0 cm	střední (bílé)
180-919-452	28,0 cm	středně velké (zelené)
180-919-453	28,0 cm	velké (žluté)

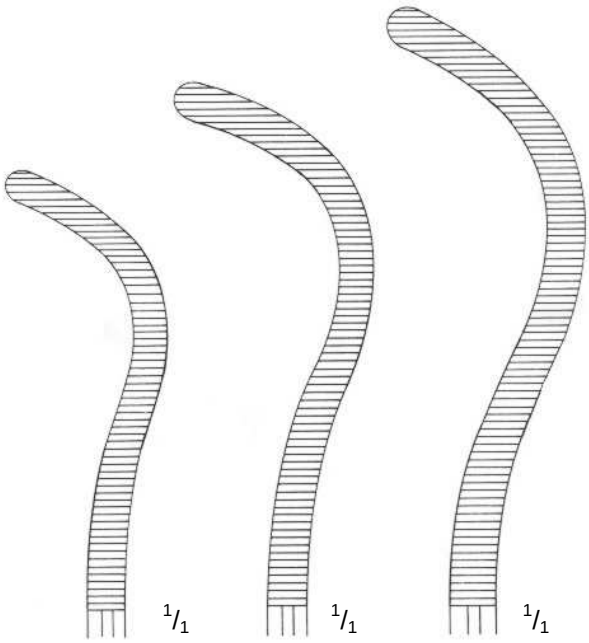


Kleště na zavádění svorek

Svorky, disektory



GUYON



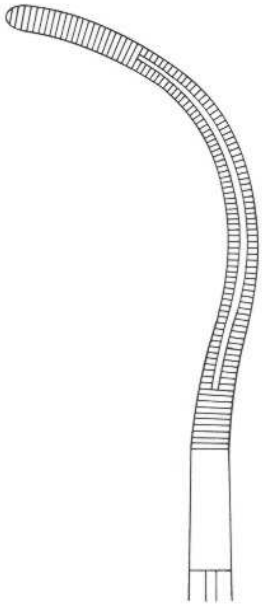
1/1 1/1 1/1

115 13 51920
20,0 cm

115 13 51922
22,0 cm

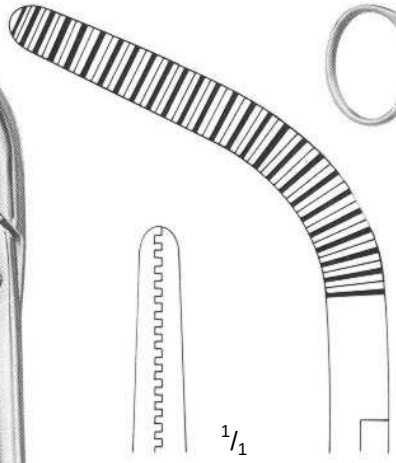
115 22 0080
24,5 cm

1/2

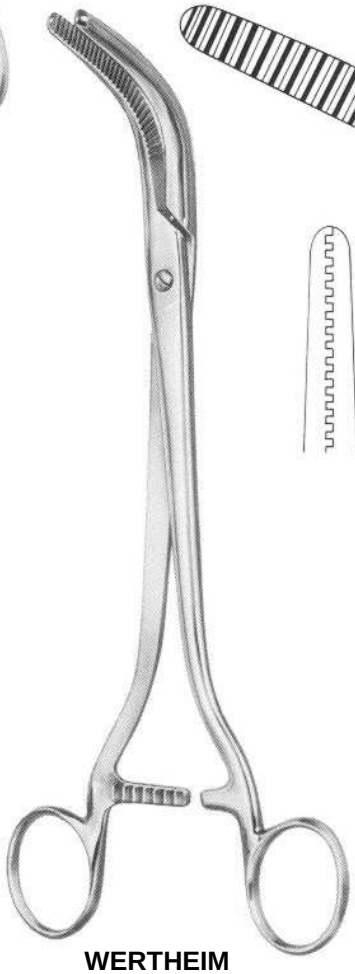


1/1

STILLE
115 13 51323
23,0 cm



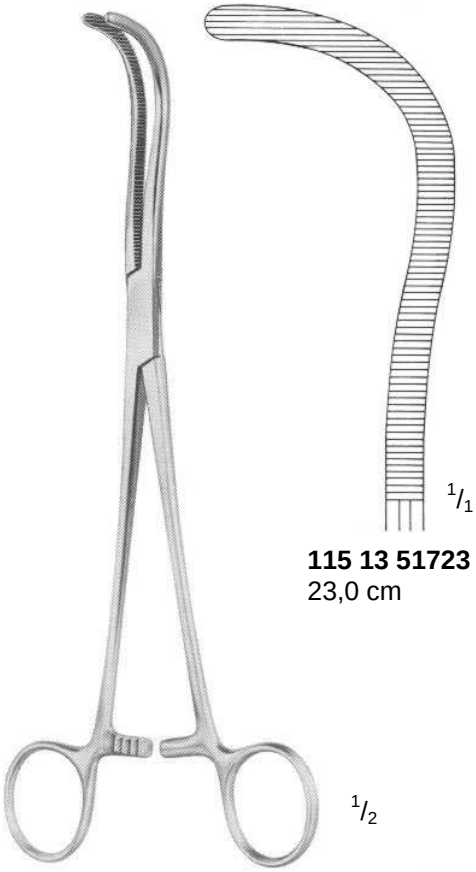
1/1 1/1



1/2

WERTHEIM
115 08 50027
27,0 cm

Svorky, disektory

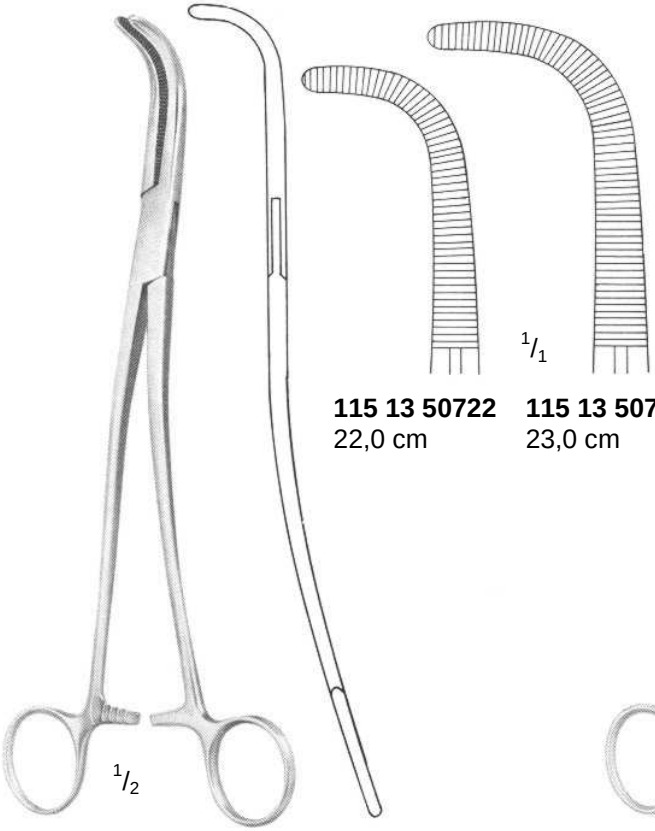


115 13 51723
23,0 cm

GUYON

115 13 52323
23,0 cm

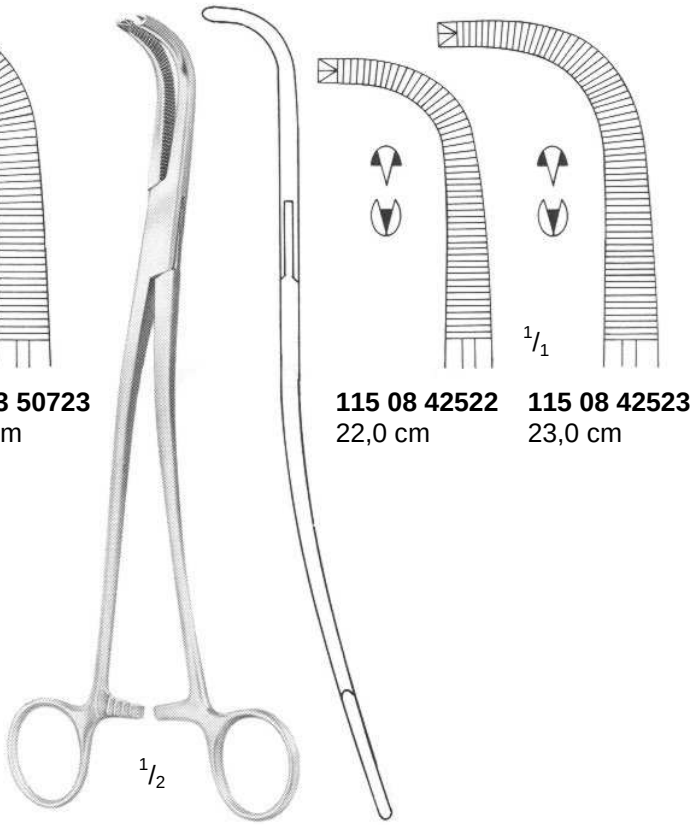
HERRICK



115 13 50722
22,0 cm

115 13 50723
23,0 cm

GRAY

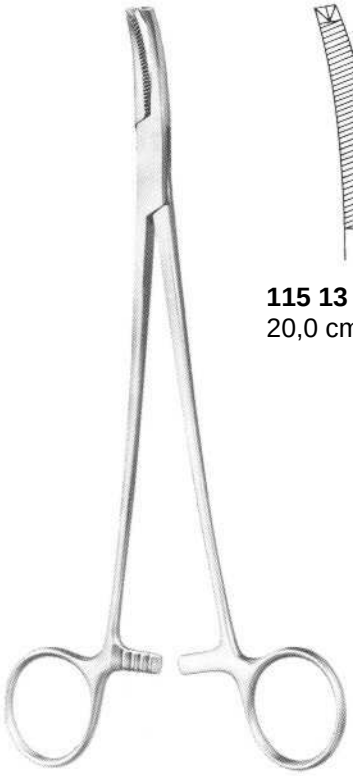


115 08 42522
22,0 cm

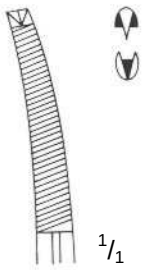
115 08 42523
23,0 cm

GRAY
1 × 2 zuby

Svorky, disektory



1/2

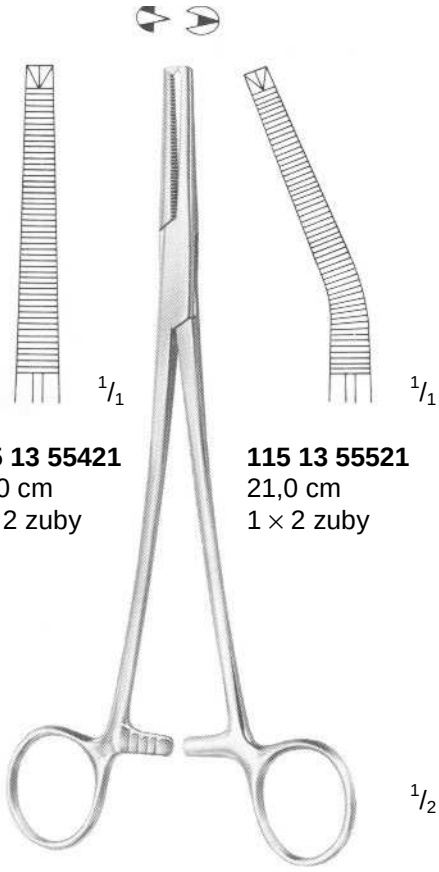


1/1

115 13 56120
20,0 cm

1/1

115 13 56320
20,0 cm



1/1 1/1

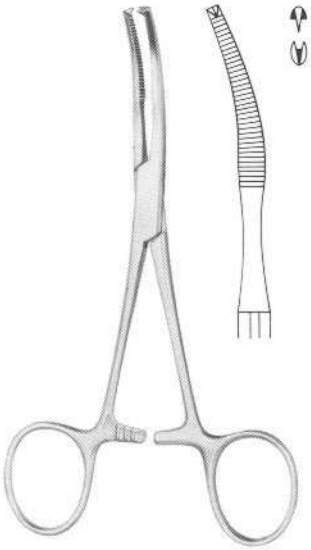
1/2

115 13 55421
21,0 cm
1 × 2 zuby

115 13 55521
21,0 cm
1 × 2 zuby

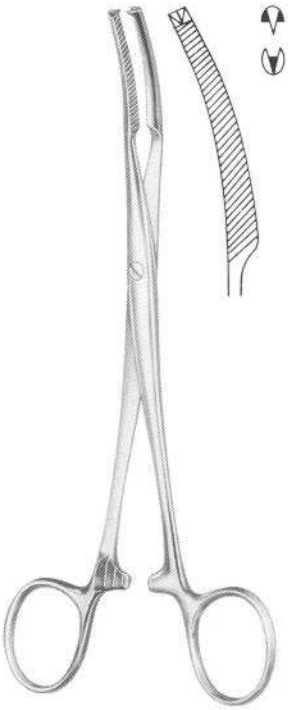
FAURE
20,0 cm
1 × 2 zuby

PHANEUF
21,0 cm
1 × 2 zuby



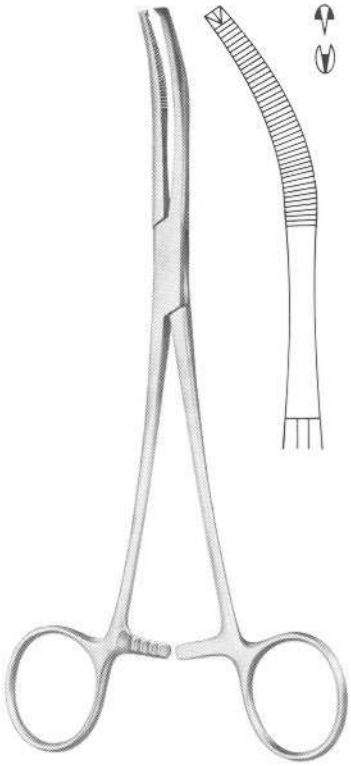
1/2

BABY - MIKULICZ
115 08 60114
14,0 cm
1 × 2 zuby



1/2

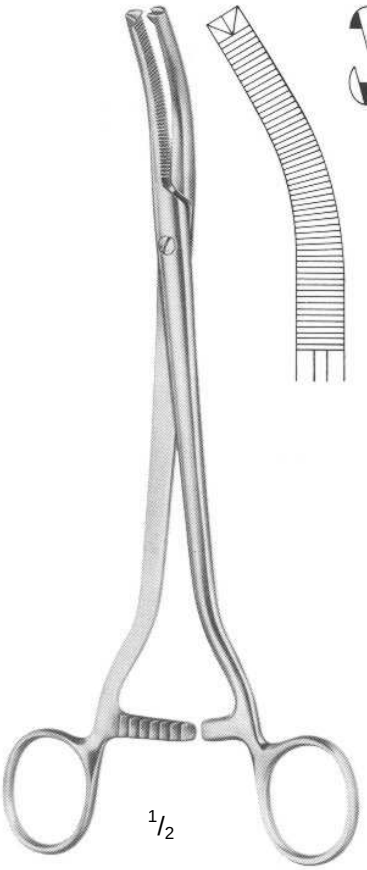
MIKULICZ
115 27 0070
18,0 cm
1 × 2 zuby



1/2

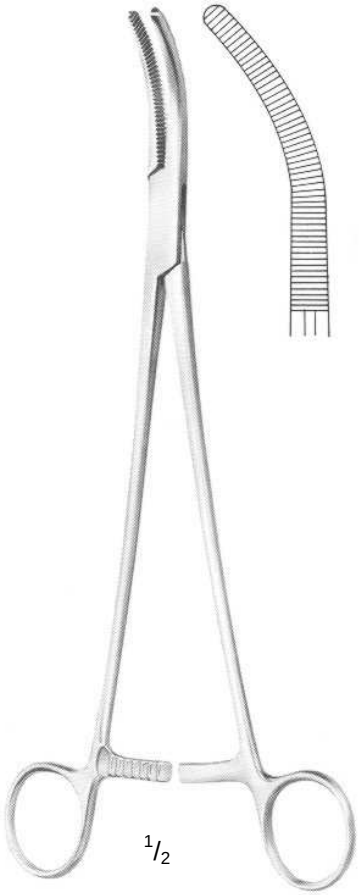
MIKULICZ
115 13 55120
20,0 cm
1 × 2 zuby

Svorky, disektory



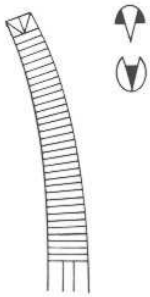
1/2

WERTHEIM
115 08 50124
24,0 cm

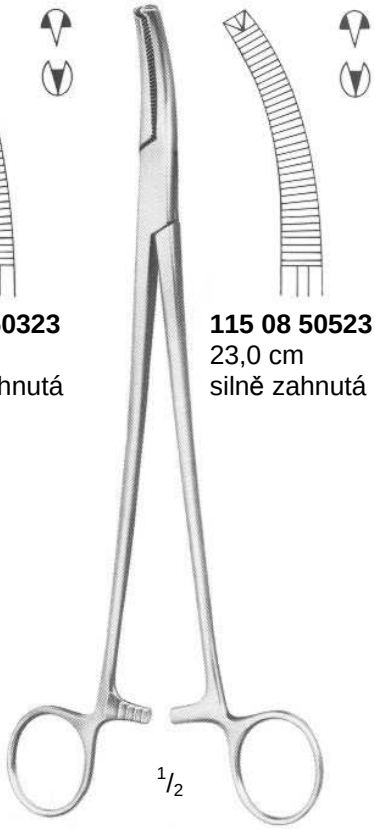


1/2

WERTHEIM
115 13 57125
25,0 cm



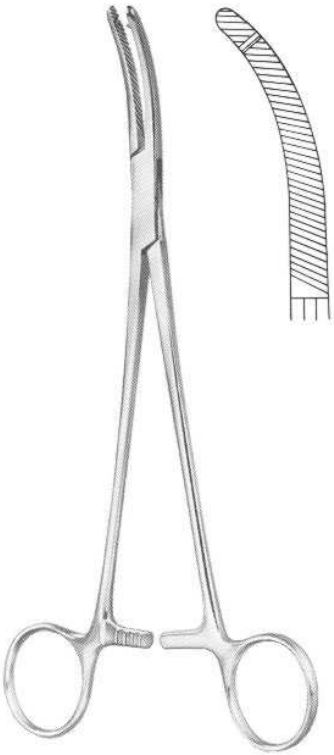
115 08 50323
23,0 cm
slabě zahnutá



1/2

115 08 50523
23,0 cm
silně zahnutá

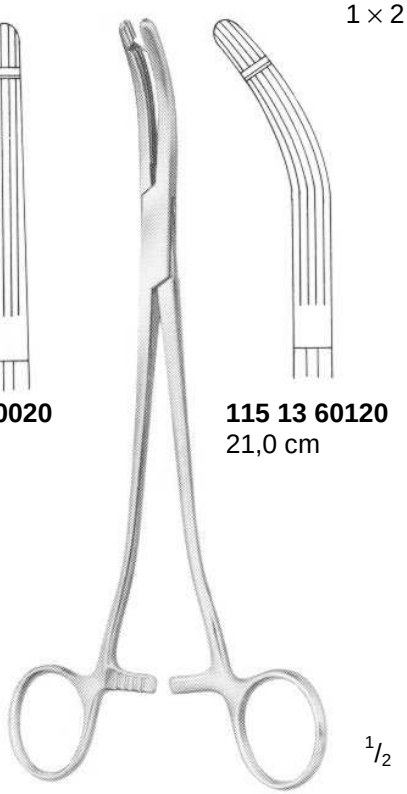
WERTHEIM
23,0 cm
1 × 2 zuby



1/2

HEANEY
115 08 50721
21,0 cm

115 13 60020
21,0 cm

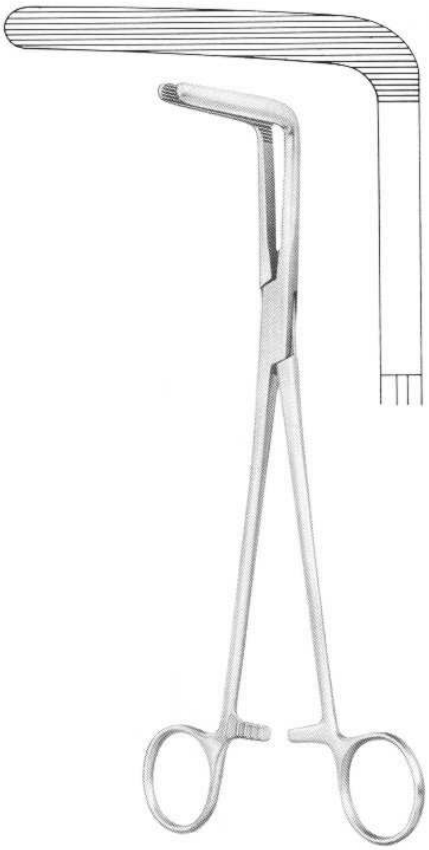


1/2

115 13 60120
21,0 cm

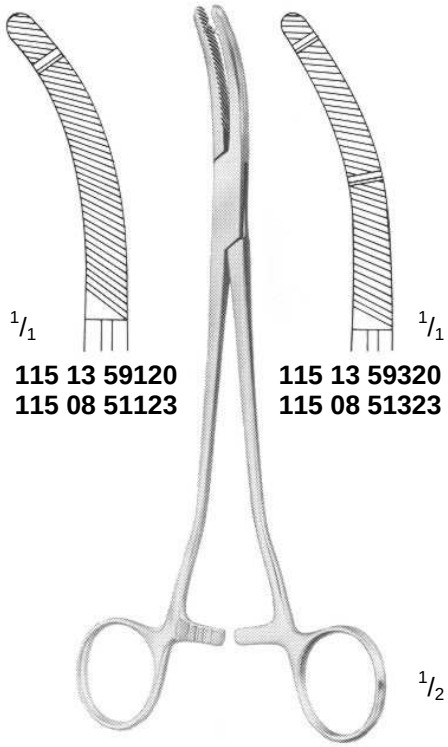
HEANEY - BALLANTINE
21,0 cm

Svorky, disektory



20,0 cm
23,0 cm

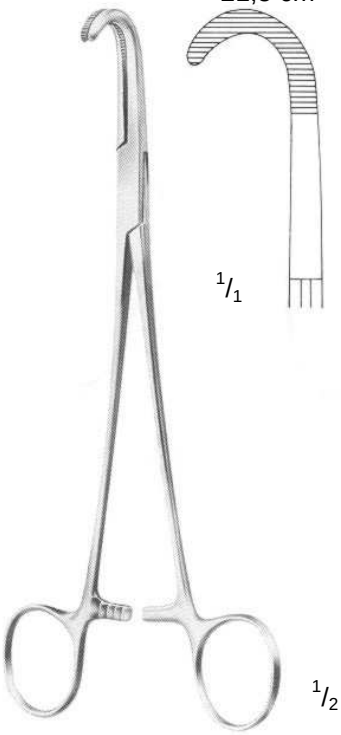
WERTHEIM-CULLEN
115 13 57921
21,5 cm



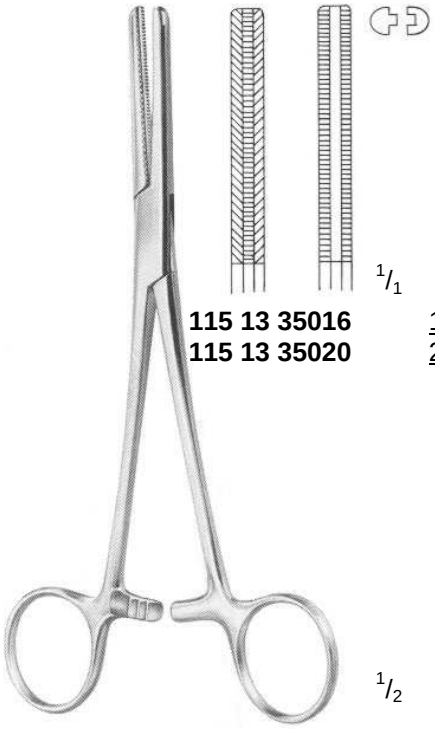
115 13 59120
115 08 51123

115 13 59320
115 08 51323

HEANEY

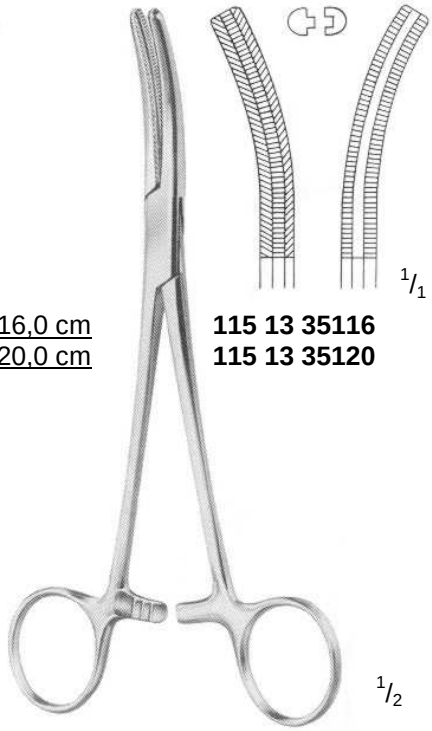


DESJARDINS
115 13 50321
21,0 cm



115 13 35016
115 13 35020

FERGUSSON

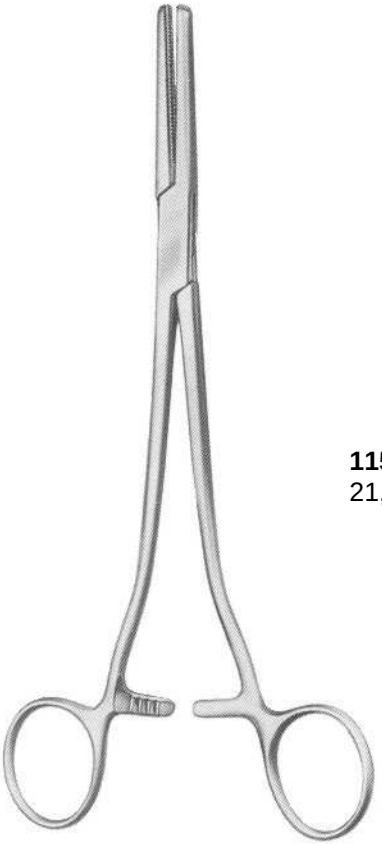


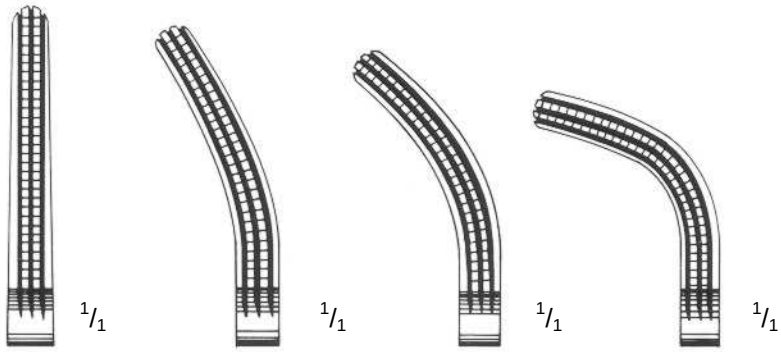
16,0 cm
20,0 cm

115 13 35116
115 13 35120

FERGUSSON

Svorky, disektory





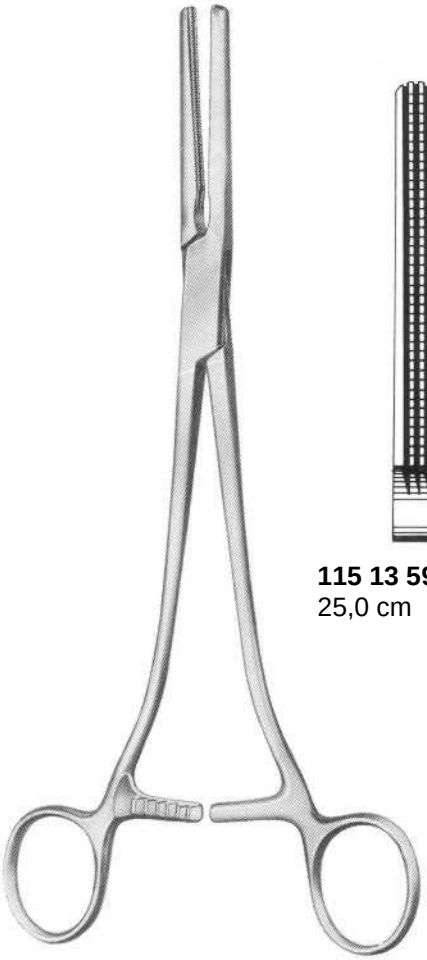
115 13 59510
21,0 cm

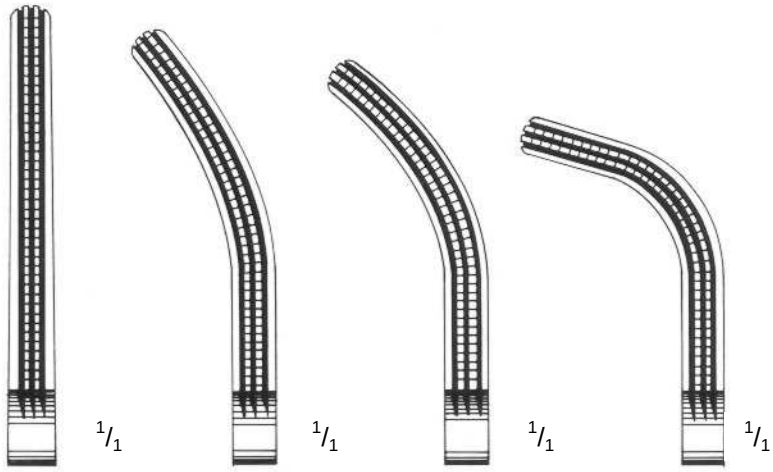
115 13 59520
21,0 cm

115 13 59530
21,0 cm

115 13 59540
21,0 cm

ROGERS
21,0 cm





115 13 59710
25,0 cm

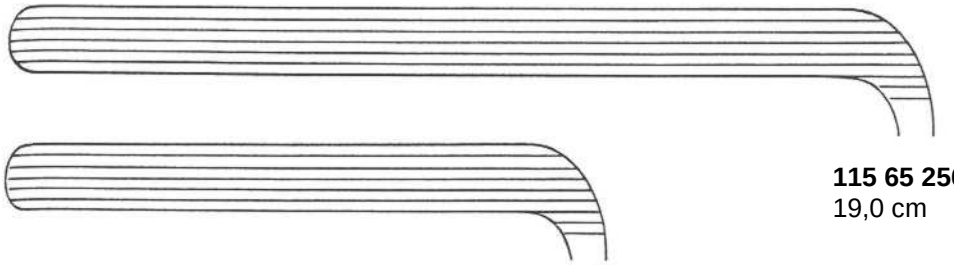
115 13 59720
25,0 cm

115 13 59730
25,0 cm

115 13 59740
25,0 cm

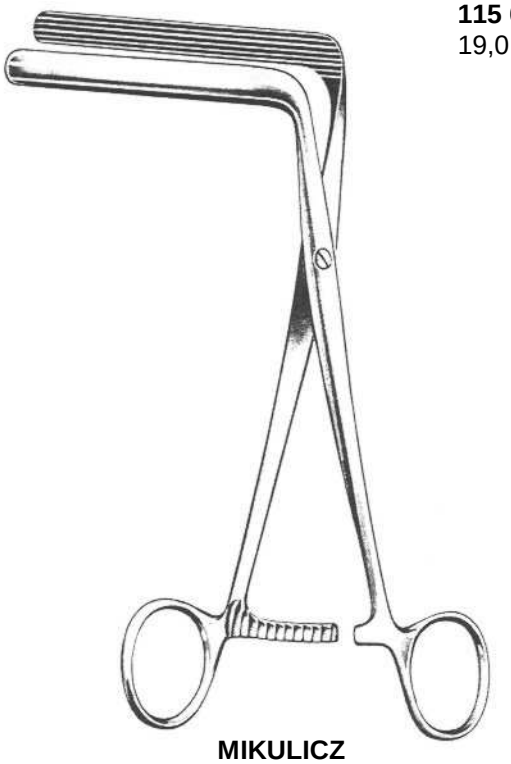
ROGERS
25,0 cm

Svorky, disektory

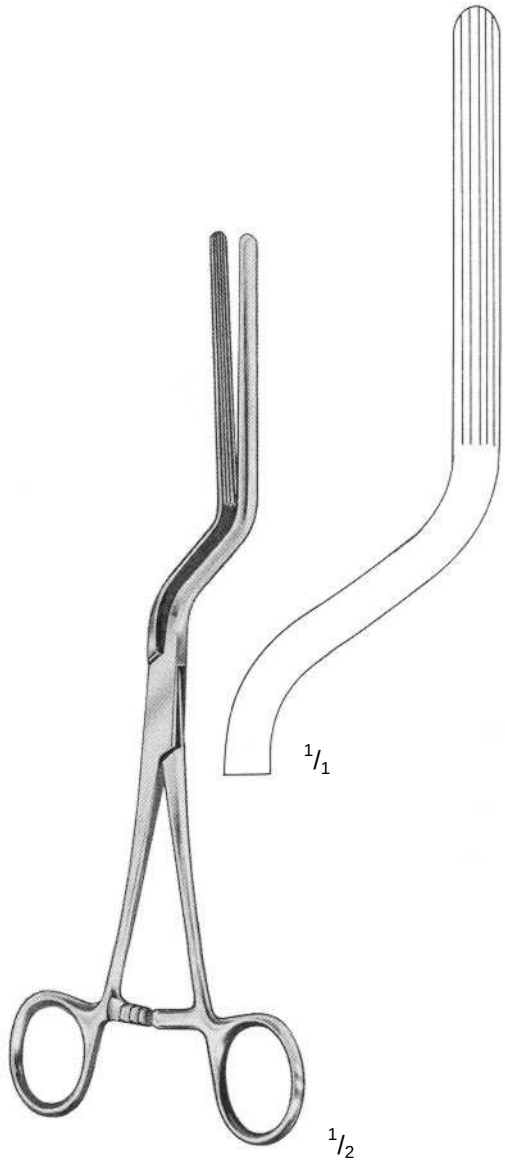


115 65 25619
19,0 cm

115 65 25516
19,0 cm

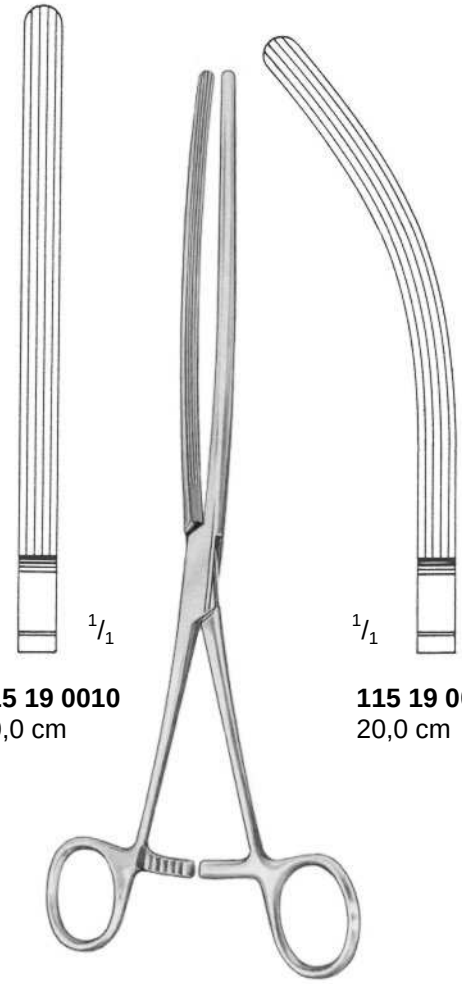


MIKULICZ
19,0 cm



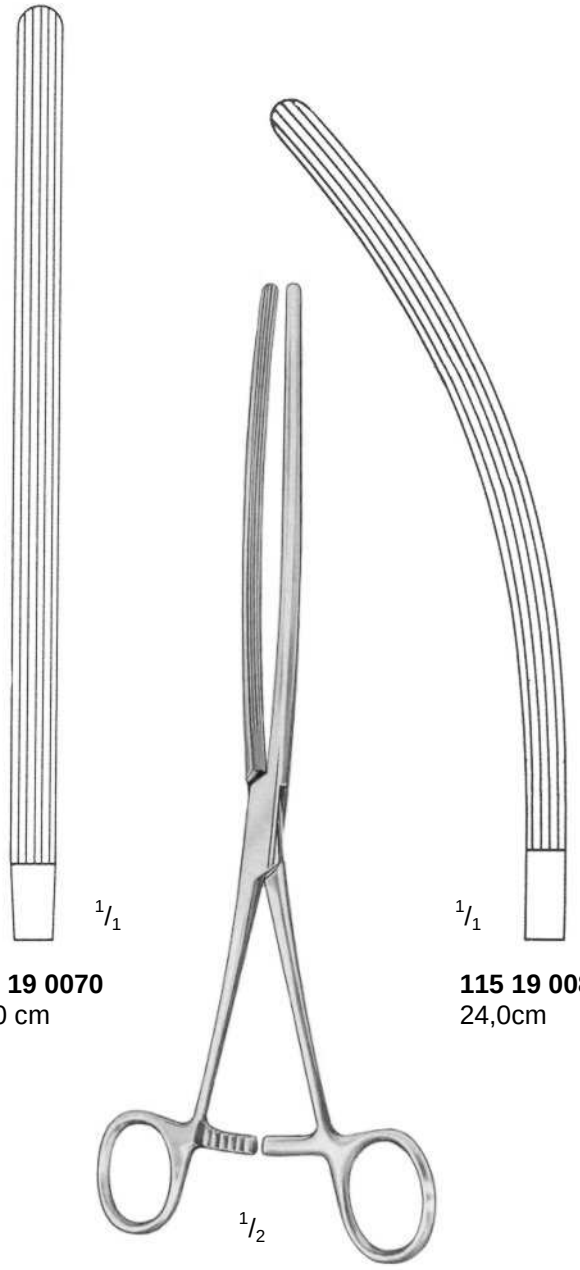
BRUNNER
115 65 26024
24,0 cm

Svorky, disektory



115 19 0010
20,0 cm

115 19 0020
20,0 cm



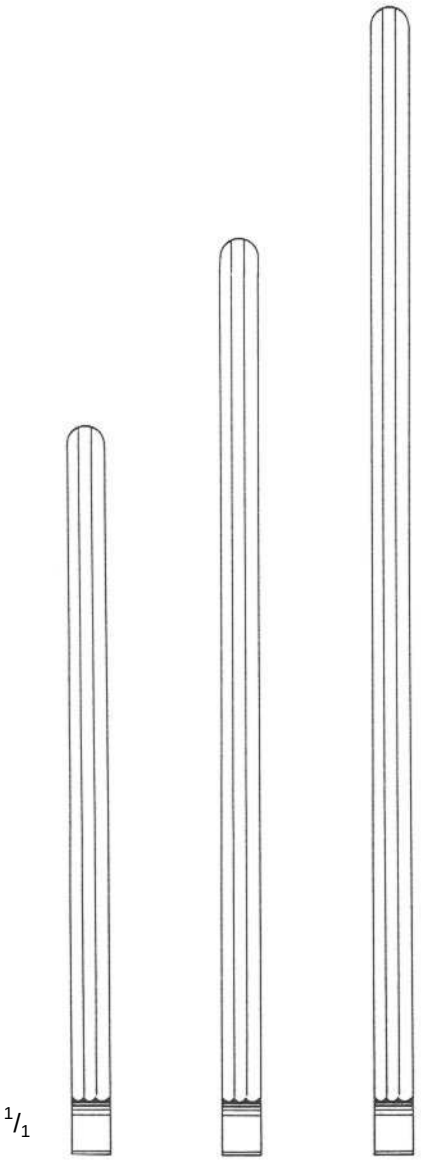
115 19 0070
24,0 cm

115 19 0080
24,0cm

MAYO-ROBSON
20,0 cm

MAYO-ROBSON
24,0 cm

Svorky, disektory

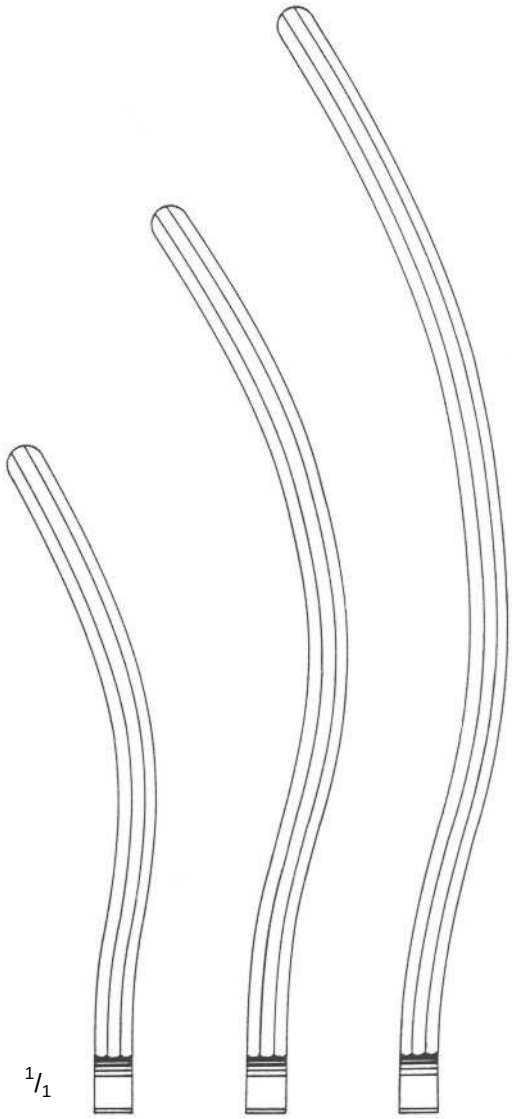


1/1

115 65 22022
22,0 cm

115 65 22025
25,0 cm

115 65 22028
28,0 cm

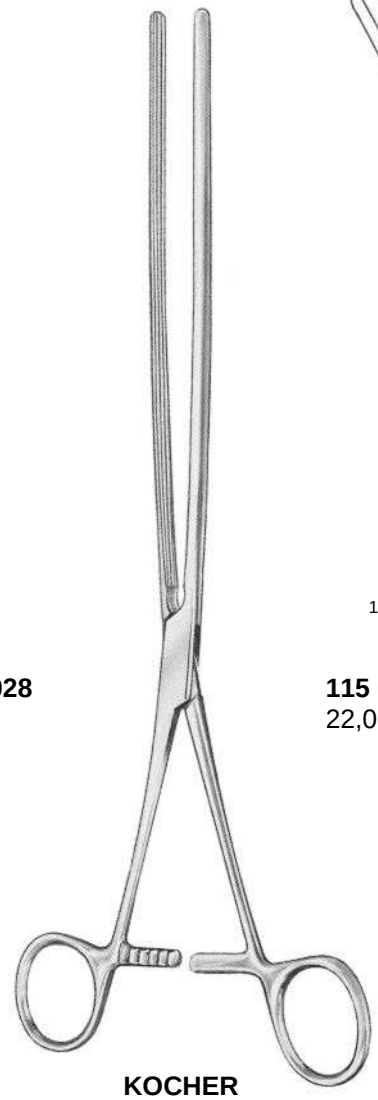


1/1

115 65 22122
22,0 cm

115 65 22125
25,0 cm

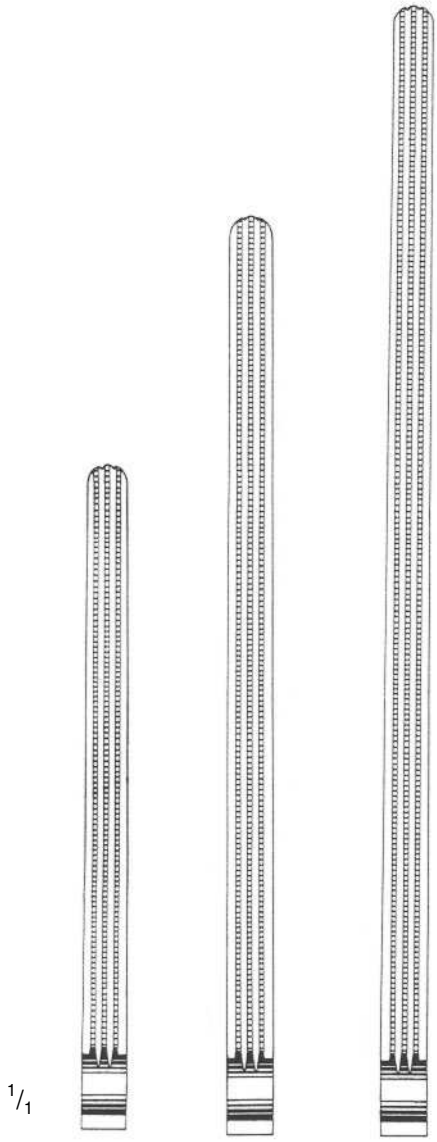
115 65 22128
28,0 cm



1/2

KOCHER

Svorky, disektory



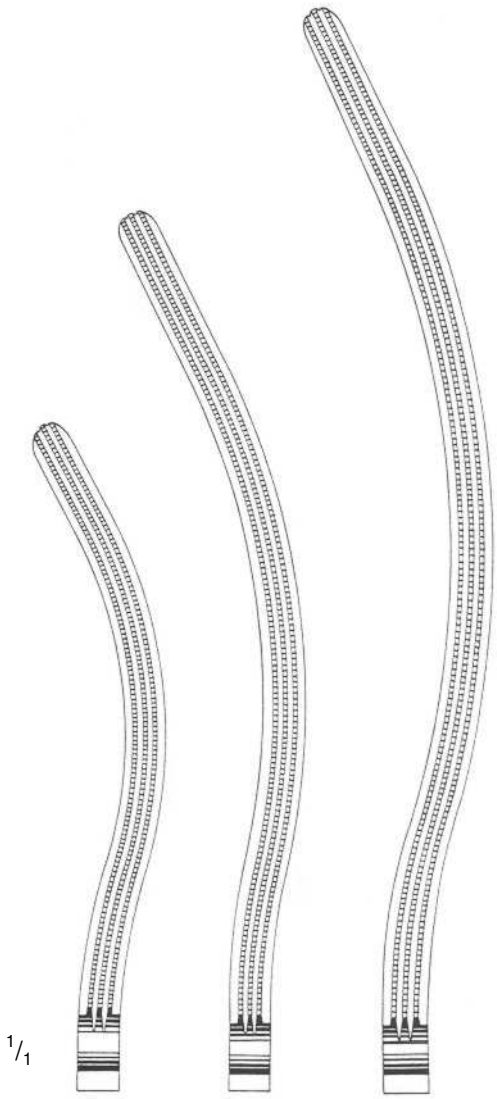
1/1

115 65 22622
22,0 cm

115 65 22625
25,0 cm

115 65 22628
28,0 cm

KOCHER - ATRAUMA



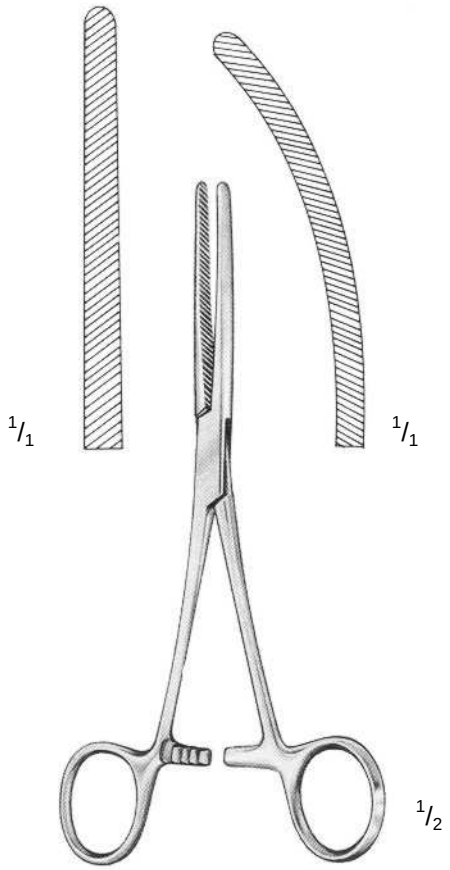
1/1

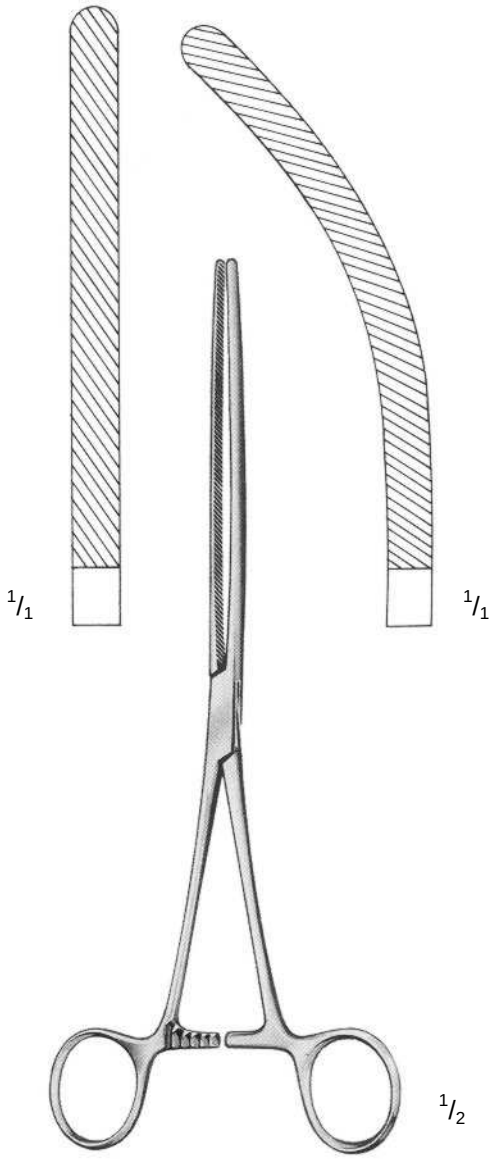
115 65 22722
22,0 cm

115 65 22725
25,0 cm

115 65 22728
28,0 cm

Svorky, disektory





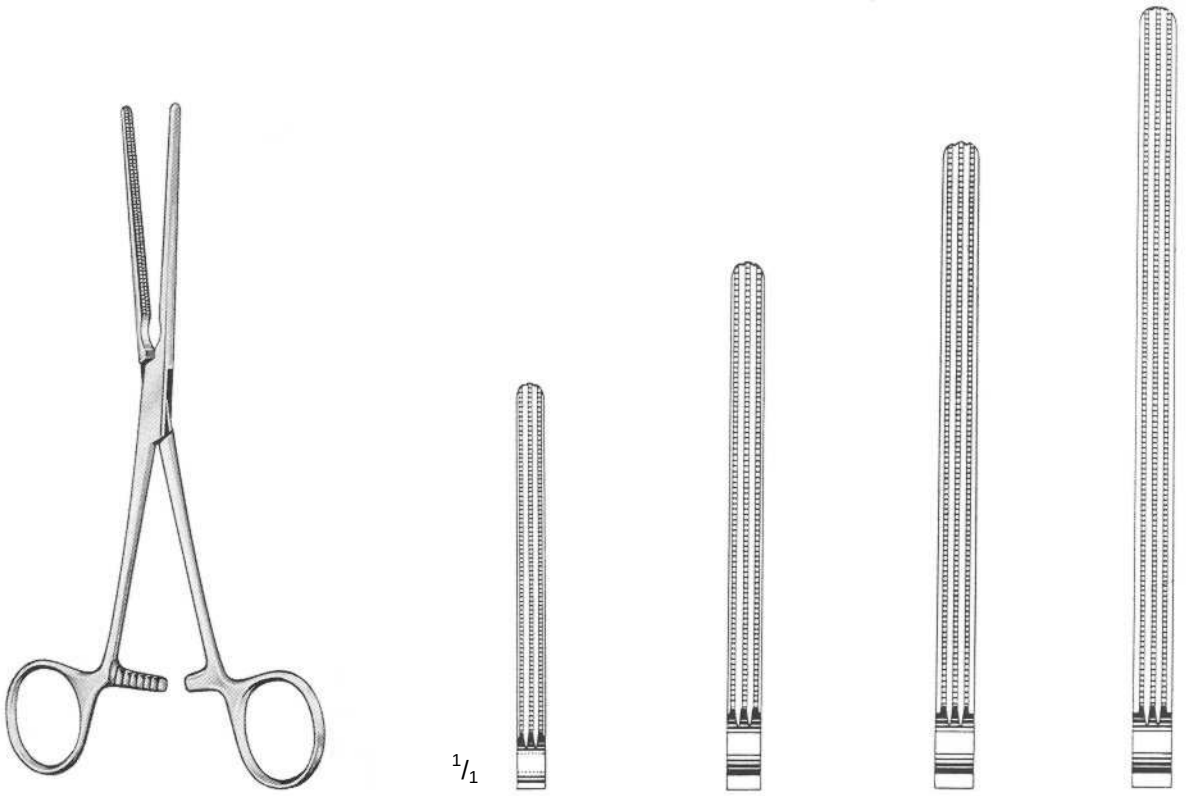
DOYEN - BABY

115 08 19016	16,5 cm	**115 08 19116**
115 65 21018	18,0 cm	**115 65 21118**

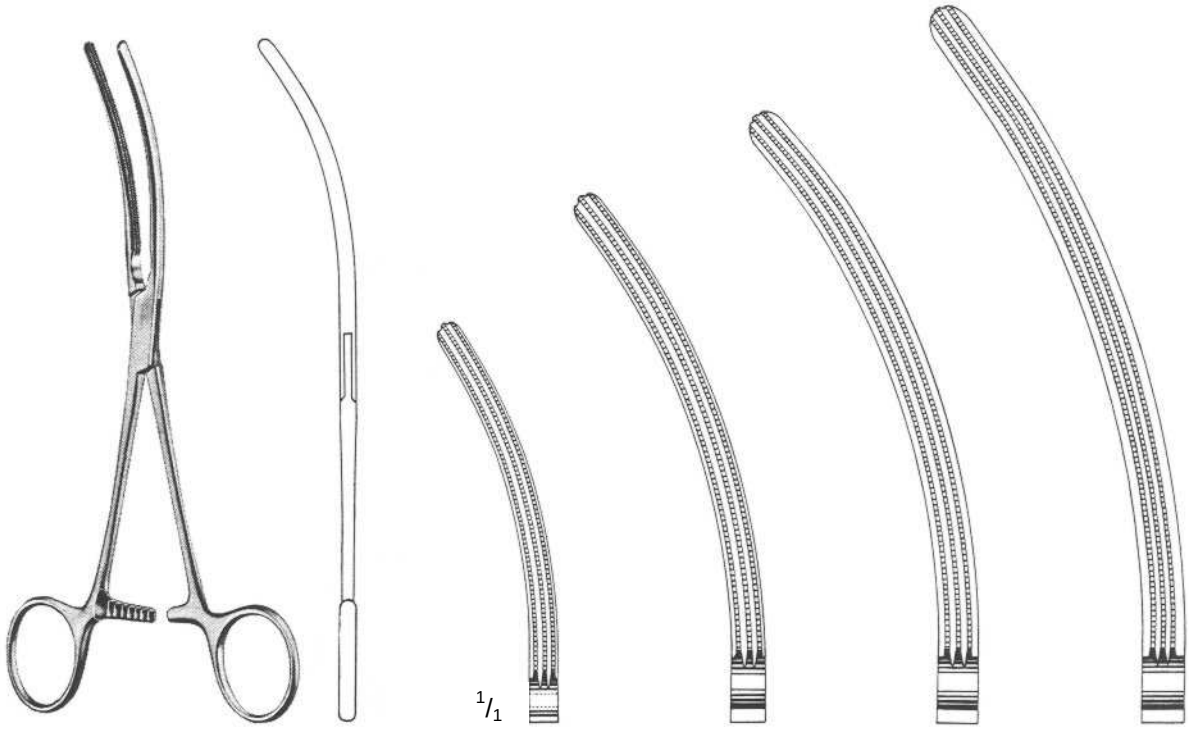
DOYEN

115 65 21021	21,0 cm	**115 65 21121**
115 65 21023	23,0 cm	**115 65 21123**

Svorky, disektory



DOYEN - ATRAUMA	**115 65 21616** 16,0 cm	**115 65 21618** 18,0 cm	**115 65 21621** 21,0 cm	**115 65 21623** 23,0 cm

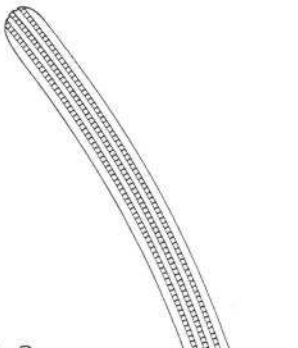


DOYEN - ATRAUMA	**115 65 21716** 16,0 cm	**115 65 21718** 18,0 cm	**115 65 21721** 21,0 cm	**115 65 21723** 23,0 cm

Svorky, disektory

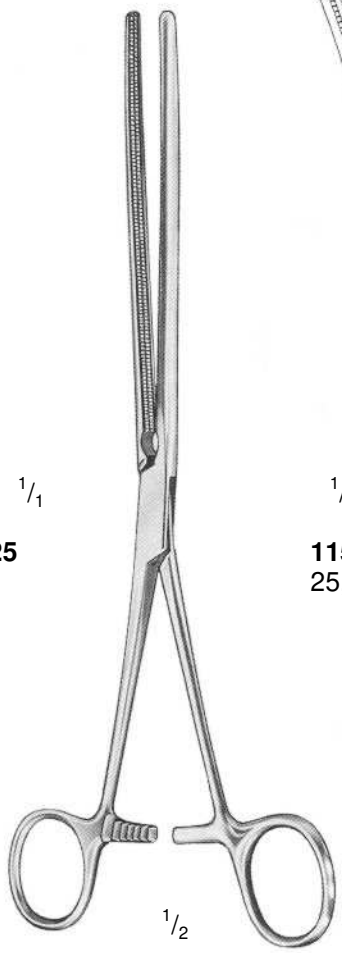
1/1

115 65 23625
25,0 cm



1/1

115 65 23725
25,0 cm



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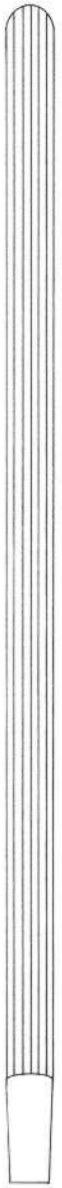
MAYO-ROBSON ATRAUMA
25,0 cm



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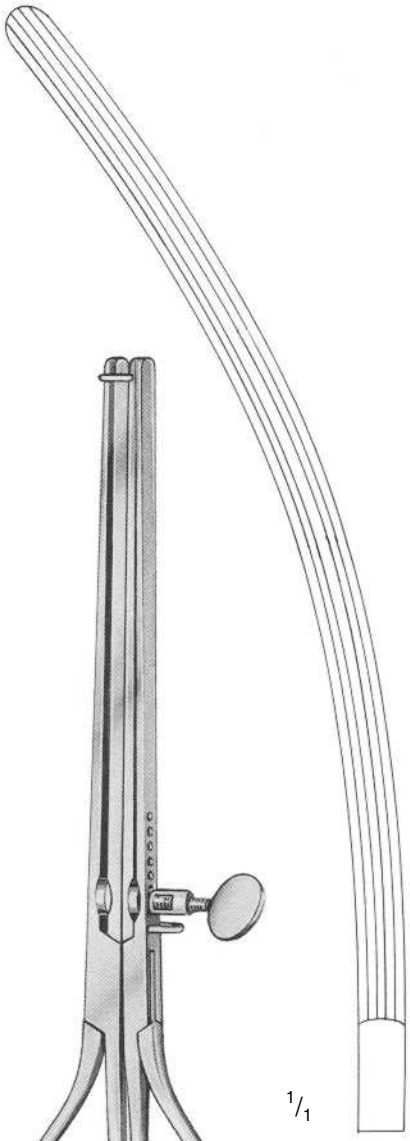
115 65 29030
30,0 cm



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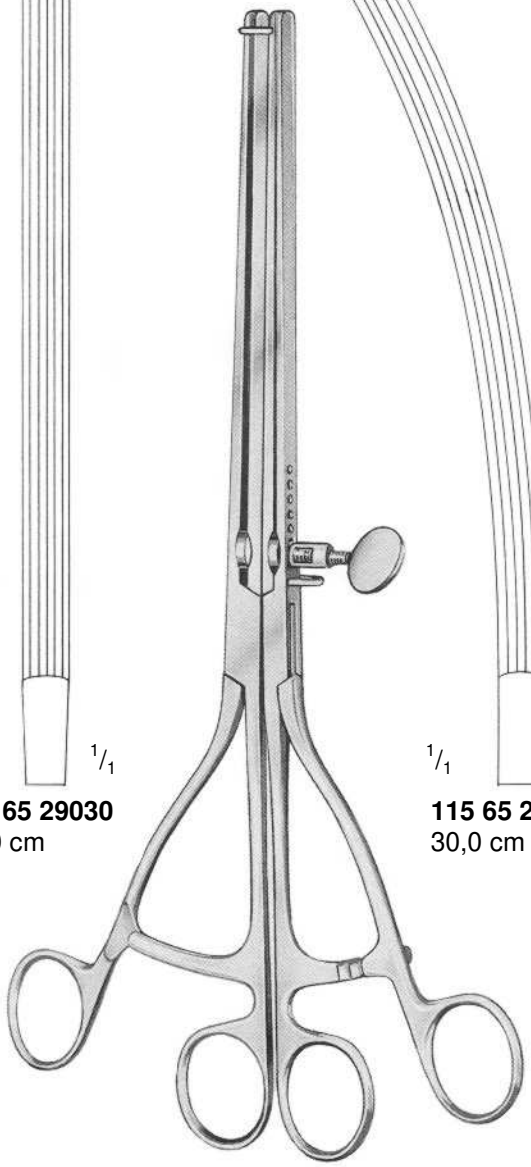
115 65 29130
30,0 cm



1/2

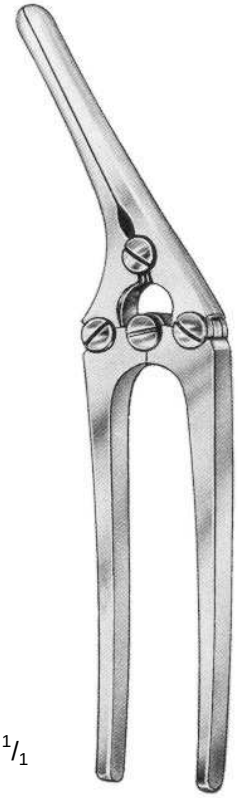
LANE
30,0 cm

Svorky, disektory

1/2

1/1

PAYR - BABY
115 65 31015
15,0 cm



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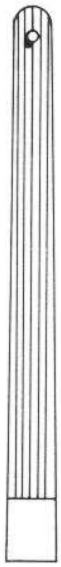
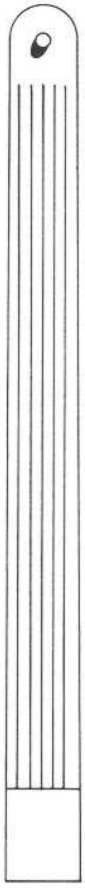
PAYR



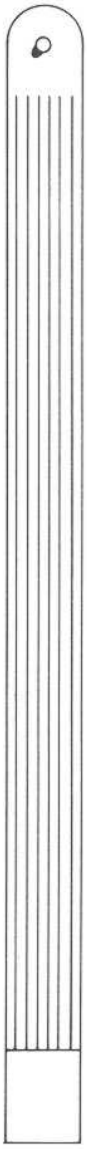
1/1

115 65 31021
21,0 cm



1/1

115 65 31029
29,0 cm



1/1

115 65 31035
35,0 cm

Svorky, disektory

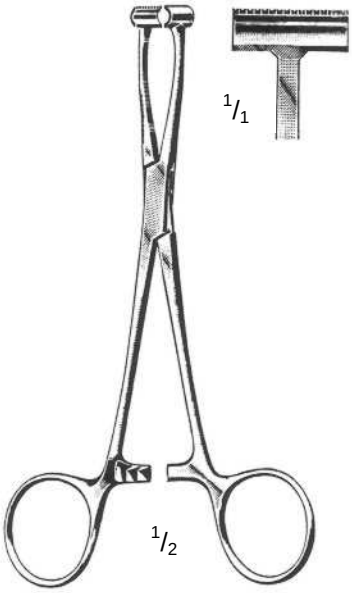
DE MARTEL-WOLFSON

115 65 28005
5,0 cm
set 3 svorky

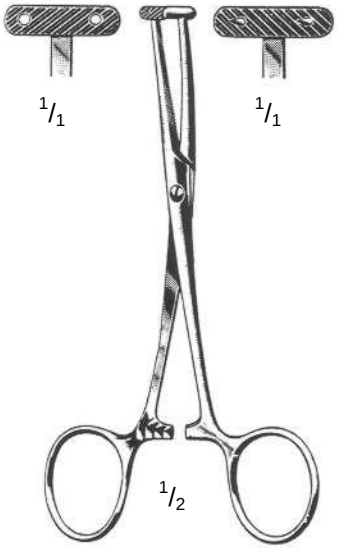
115 65 28007
7,0 cm
set 3 svorky

115 65 28010
10,0 cm
set 3 svorky

Svorky, disektory

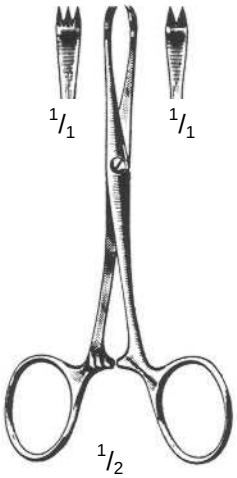


PRATT
115 13 36015
15,0 cm

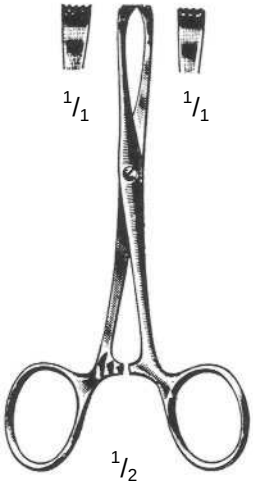


MARTEL
115 13 36414
14,0 cm

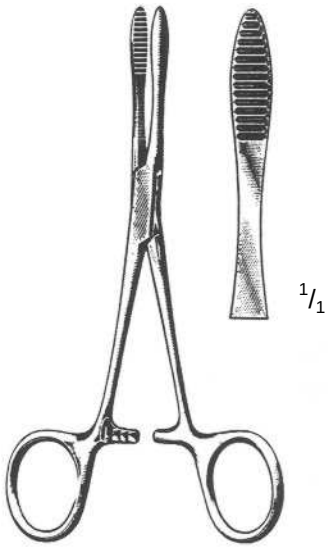
WILLETT - MARTEL
115 13 36619
19,0 cm



CHAPUT
115 13 37013
13,0 cm



TUFFIER
115 13 37213
13,0 cm



PEAN
115 13 36814 14,0 cm
115 13 36816 16,0 cm

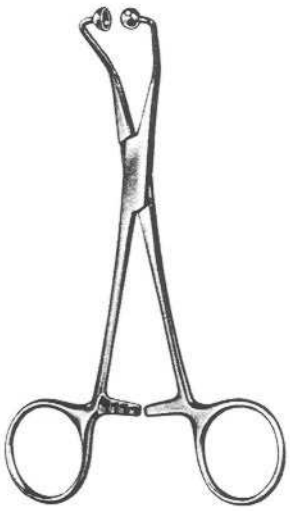
Svorky, disektory

1/2

SCHAEDEL
115 15 10109 9,0 cm

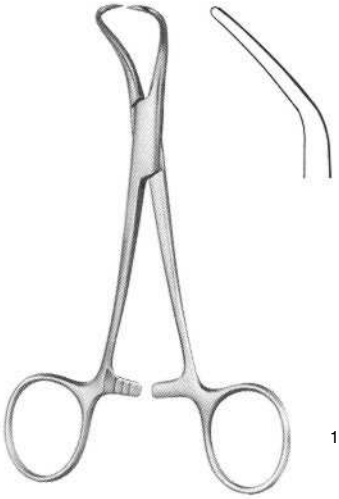
1/2

JONES
115 15 10307 7,0 cm
115 15 10309 9,0 cm



1/2

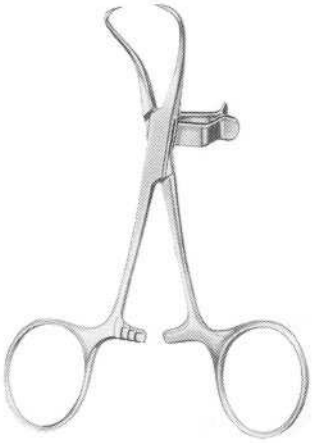
BALL AND SOCKET
115 15 12313
13,0 cm



1/1

1/2

BACKHAUS
115 08 0810 8,0 cm
115 15 11111 11,0 cm
115 08 0820 13,0 cm
115 15 11115 15,0 cm



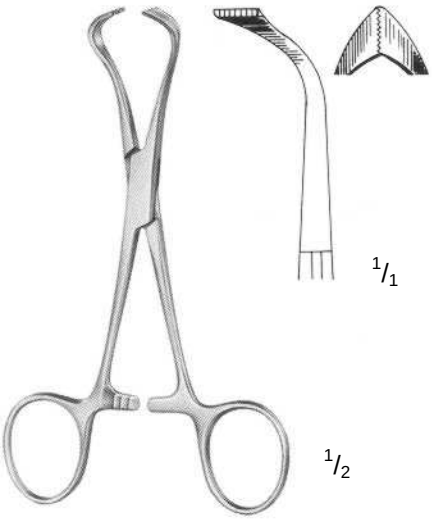
1/2

BACKHAUS - CLIP
115 15 11511
11,0 cm

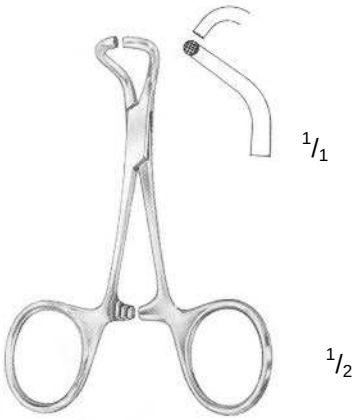
1/2

ROEDER
115 15 11713
13,0 cm

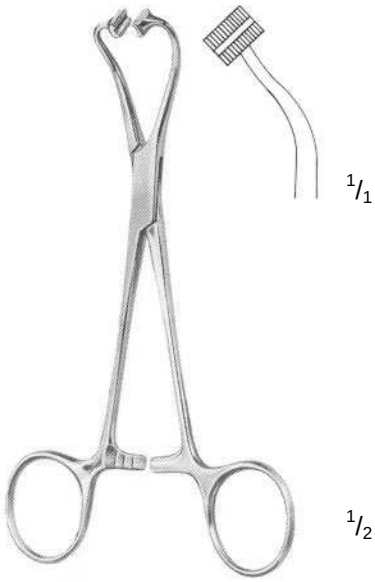
Svorky, disektory



LORNA
115 15 12111 11,0 cm
115 15 12113 13,0 cm



TOHOKU-JAPAN
115 15 10710 10,0 cm
115 15 10713 13,0 cm



PEERS
115 15 10814
14,0 cm

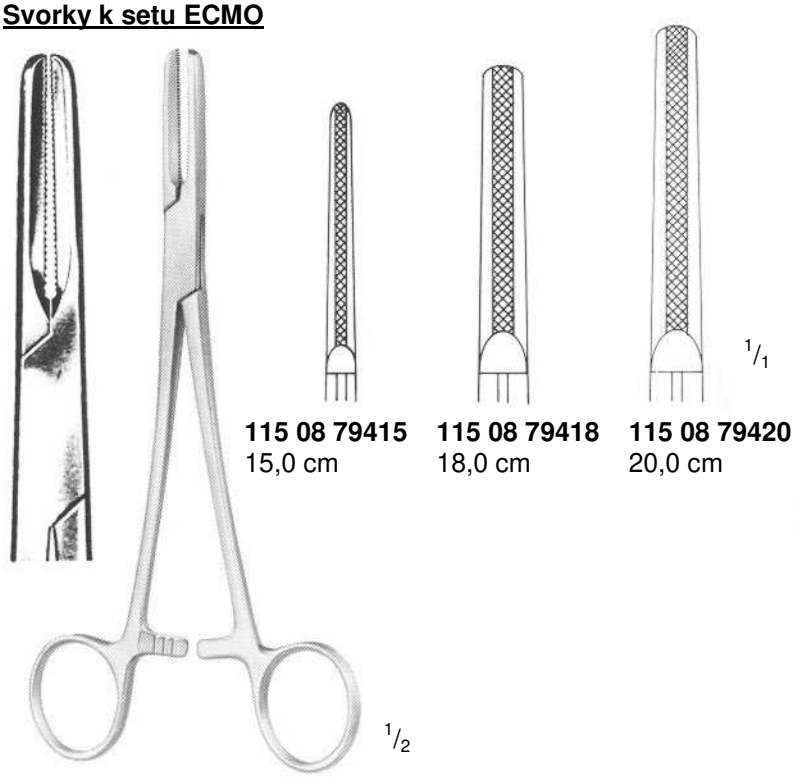
DOYEN
115 15 16118
18,0 cm

BERNHARD
115 15 14016
16,0 cm

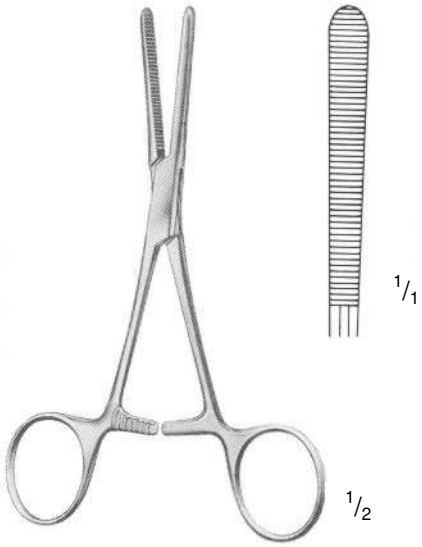
LANE
115 15 16420
20,0 cm

Svorky, disektory

Svorky k setu ECMO

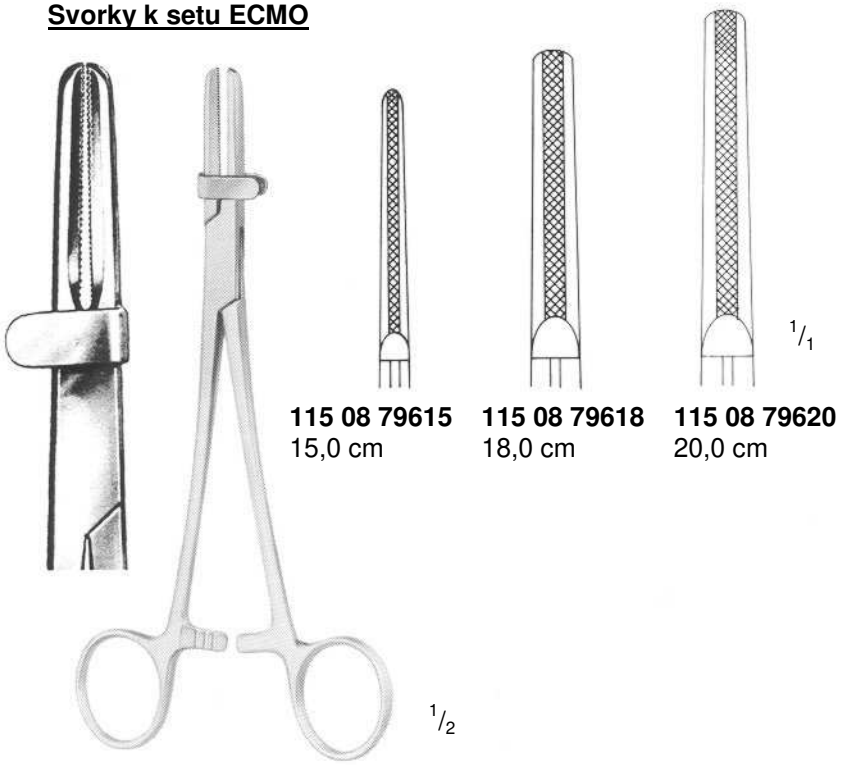


115 08 79415 15,0 cm
115 08 79418 18,0 cm
115 08 79420 20,0 cm

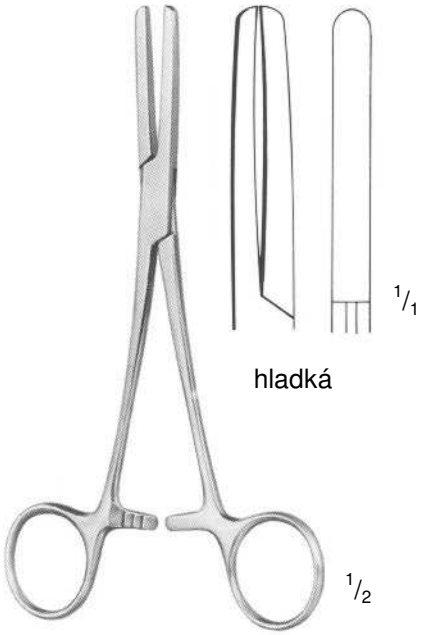


115 13 70214
14,5 cm

Svorky k setu ECMO



115 08 79615 15,0 cm
115 08 79618 18,0 cm
115 08 79620 20,0 cm



115 13 70416 16,0 cm
115 13 70418 18,0 cm

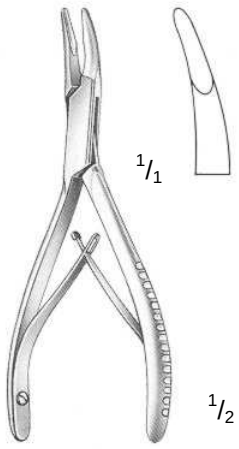
3B instruments

lékařské nástroje

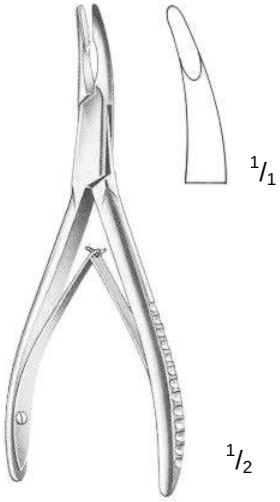
116

Kleště štípací

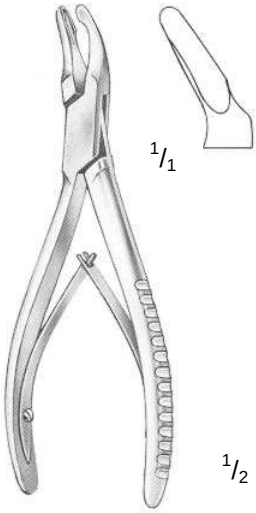
Kleště štípací



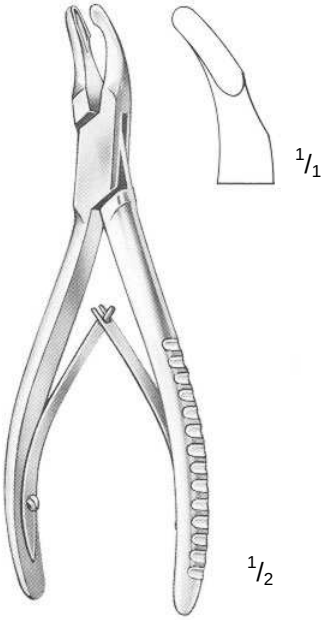
FRIEDMAN Mini
116 33 10112
12,0 cm



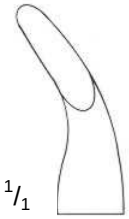
FRIEDMAN
116 33 10114
14,0 cm



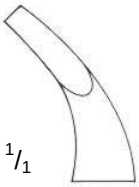
CLEVELAND
116 33 10314
14,0 cm



CLEVELAND
116 33 10517
17,0 cm

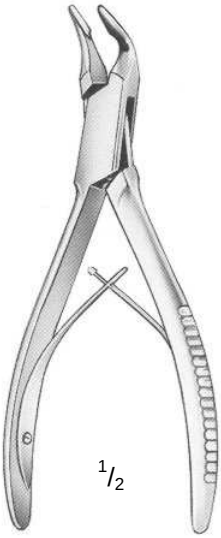


116 33 10716
16,5 cm

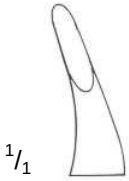


116 33 10916
16,5 cm

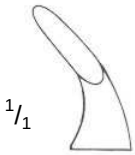
MEAD



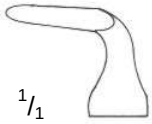
BLUMENTHAL



116 33 11515
15,5 cm

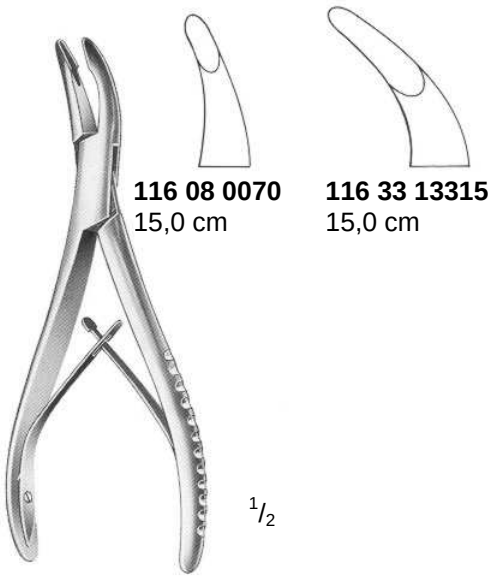


116 33 11715
15,5 cm



116 33 11915
15,5 cm

Kleště štípací



116 08 0070
15,0 cm

116 33 13315
15,0 cm

1/2

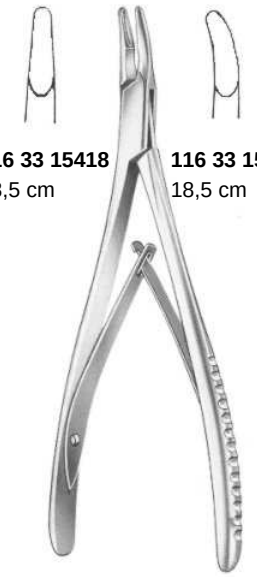
LUER

116 33 15016
16,0 cm

116 33 15116
16,0 cm

1/2

LEMPERT

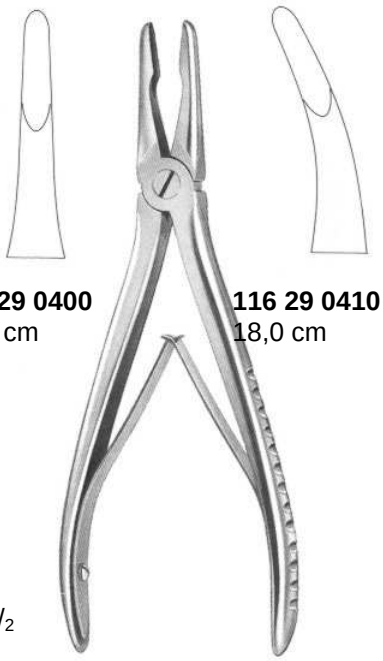


116 33 15418
18,5 cm

116 33 15518
18,5 cm

1/2

LEMPERT

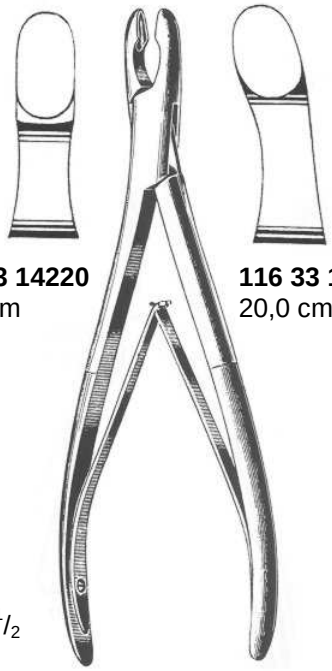


116 29 0400
18,0 cm

116 29 0410
18,0 cm

1/2

JANSEN



116 33 14220
20,0 cm

116 33 14320
20,0 cm

1/2

ADSON

116 08 0030
17,0 cm

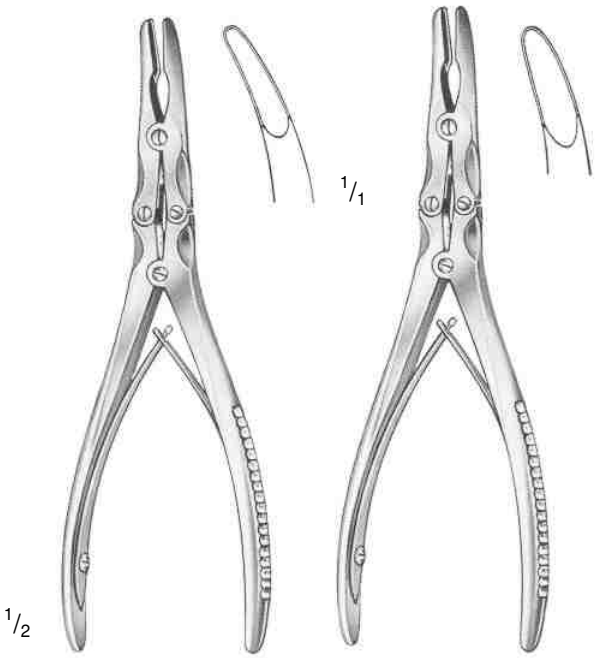
1/1

116 08 0040
17,0 cm

1/2

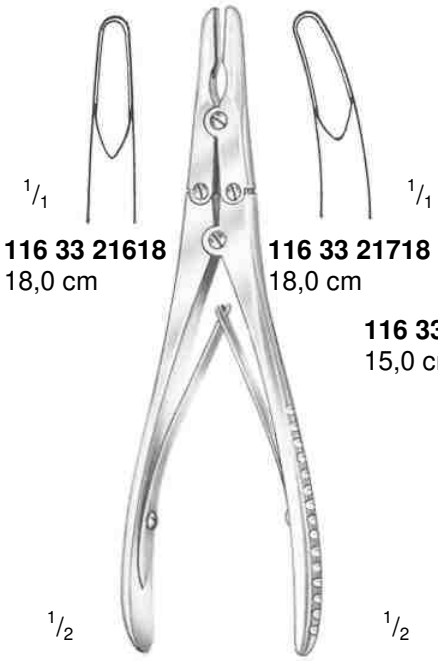
LUER

Kleště štípací



BEYER
116 33 20118
18,0 cm

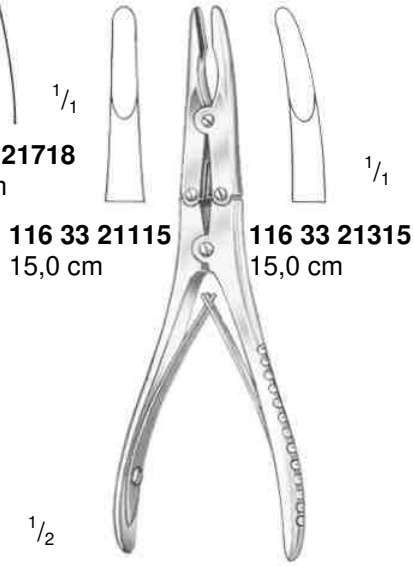
ZAUFAL-JANSEN
116 33 20518
18,0 cm



116 33 21618
18,0 cm

116 33 21718
18,0 cm

RUSKIN
18,0 cm



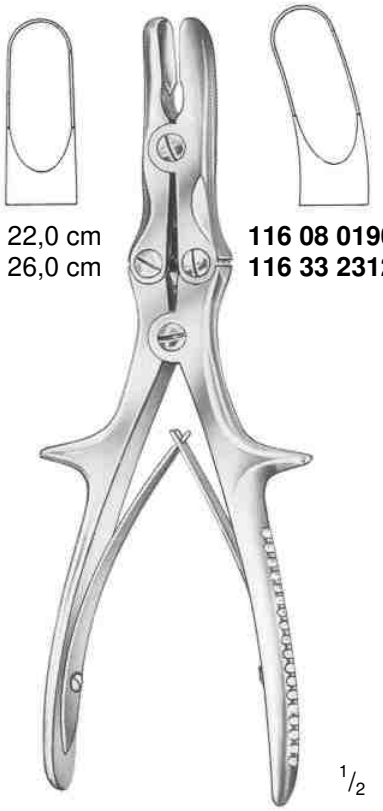
116 33 21115
15,0 cm

116 33 21315
15,0 cm

BÖHLER
15,0 cm

116 08 0180 22,0 cm
116 33 23026 26,0 cm

RUSIN
116 33 21923
23,0 cm

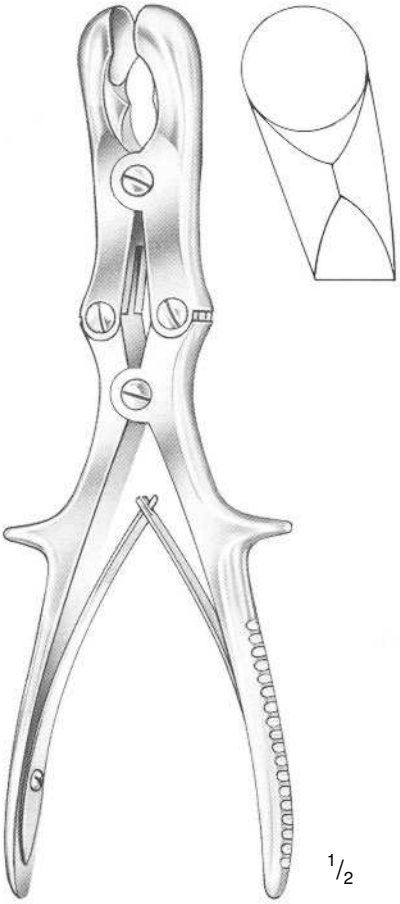


116 08 0190 22,0 cm
116 33 23126 26,0 cm

STILLE - LUER

STILLE - LUER
116 08 0160
24,0 cm

Kleště štípací



1/1

1/2

SEMB
116 33 26122
22,5 cm

1/1

116 33 24523
23,0 cm

1/1

116 33 24723
23,0 cm

1/2

LEKSELL(STILLE)
23,0 cm

1/1

1/2

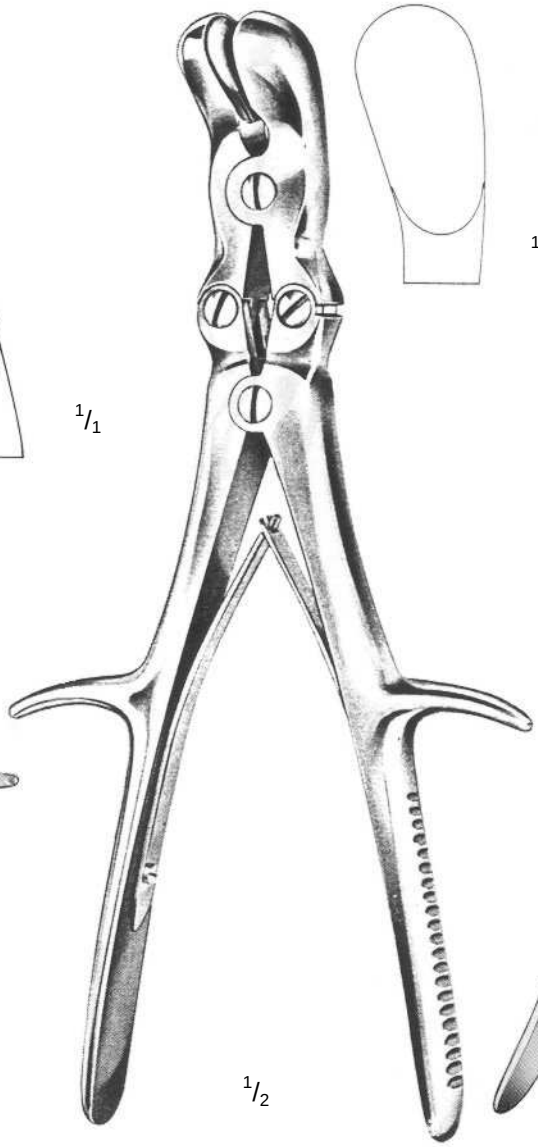
FRYKHOLM
116 33 26024
24,0 cm

Kleště štípací

1/1

1/2

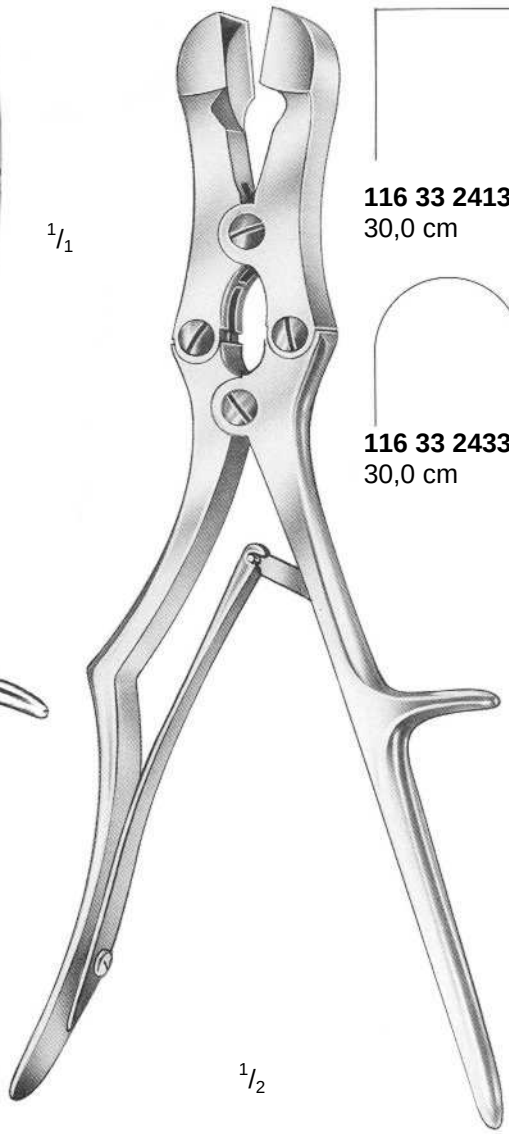
STILLE-RUSKIN
116 33 23723
23,0 cm



1/1

1/2

LUER
116 08 0140
28,0 cm



1/1

116 33 24130
30,0 cm

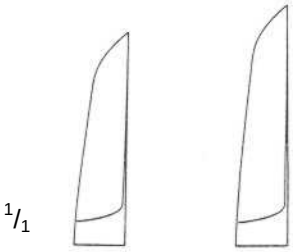
1/1

116 33 24330
30,0 cm

1/2

SAUERBRUCH
30,0 cm

Kleště štípací

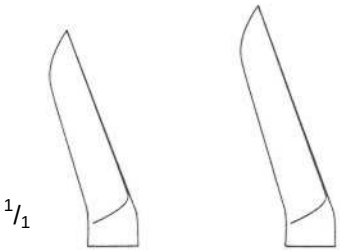


1/1

116 33 27414
14,0 cm

116 33 27417
17,0 cm

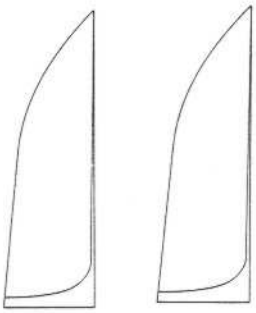
LISTON



1/1

116 33 27514
14,0 cm

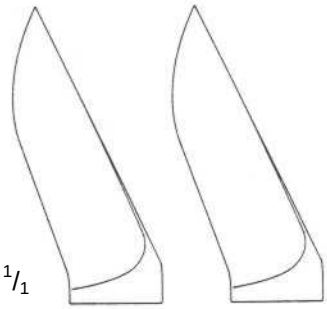
116 33 27517
17,0 cm



1/1

116 33 27419
19,0 cm

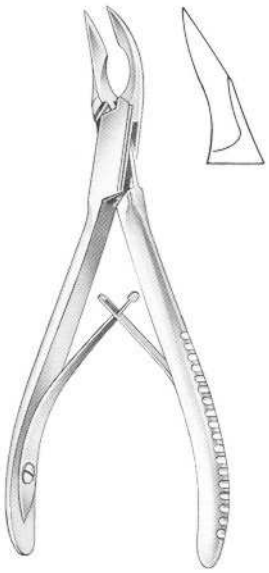
116 33 27422
25,0 cm



1/1

116 33 27519
19,0 cm

116 33 27522
25,0 cm



1/1

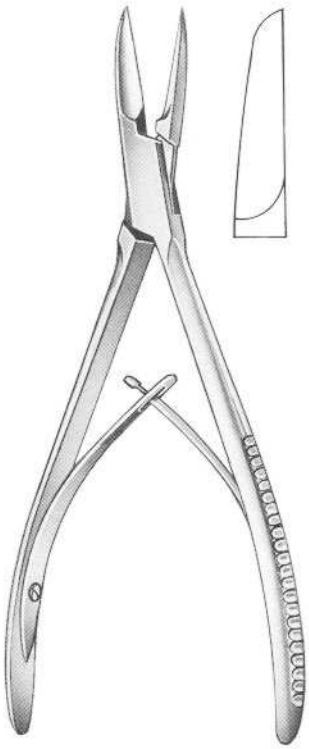
1/2

CLEVELAND
116 08 88415
15,0 cm

1/1

1/2

CLEVELAND
116 08 88417
17,0 cm

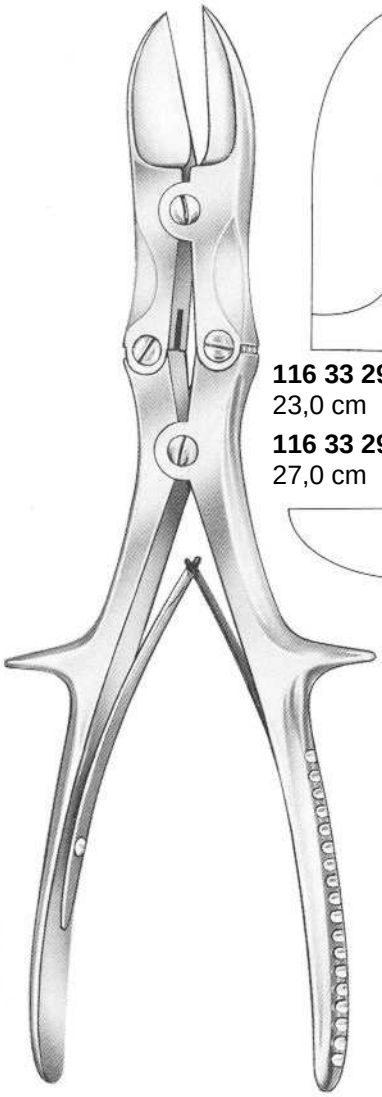


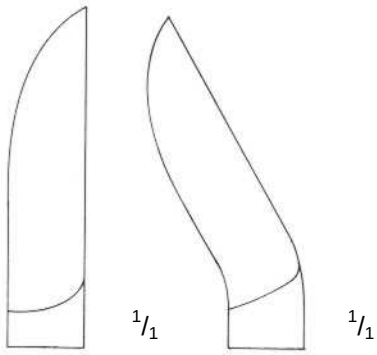
1/1

1/2

COTTLE-KAZANJIAN
116 33 28219
19,0 cm

Kleště štípací



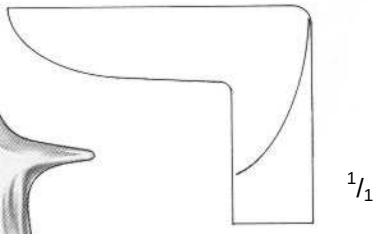


116 33 29023
23,0 cm

116 33 29123
23,0 cm

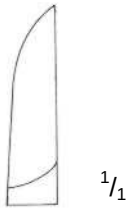
116 33 29027
27,0 cm

116 33 29127
27,0 cm

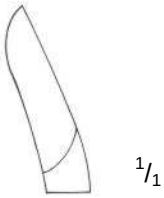


116 08 89090
27,0 cm

STILLE-LISTON

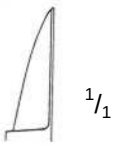


116 33 28618
18,0 cm



116 33 28918
m
1/2

RUSKIN-LISTON
18,0 cm

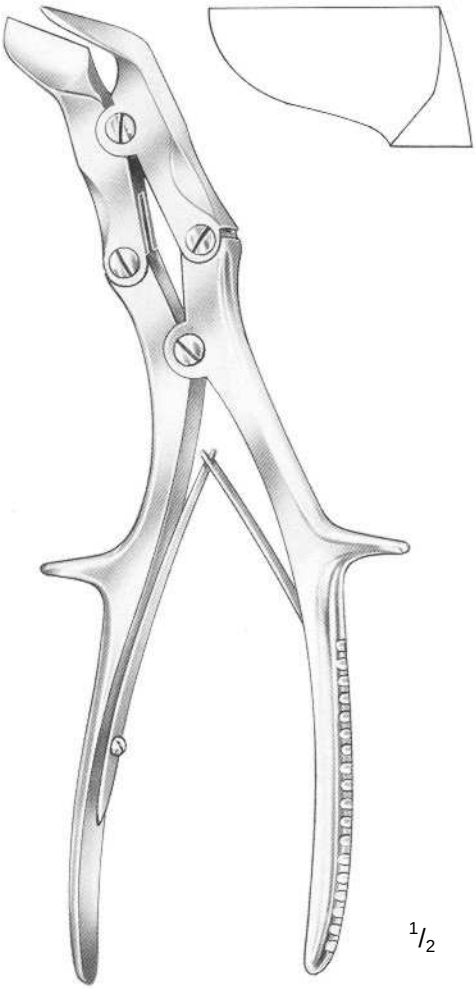


116 33 28015
15,0 cm

116 33 28115
15,0 cm

BÖHLER
15,0 cm

Kleště štípací



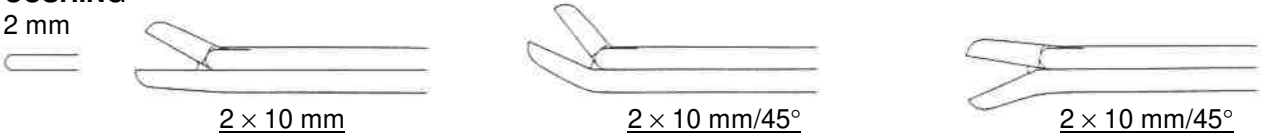
SEMB
116 33 29524
24,0 cm

LISTON-KEY
116 08 0470
27,0 cm

Kleště štípací

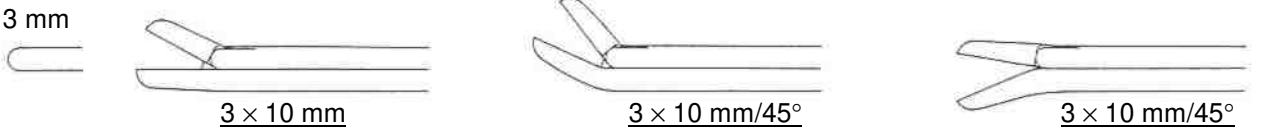
13,0 cm
15,0 cm
18,0 cm
20,0 cm
25,0 cm
30,0 cm

CUSHING
2 mm



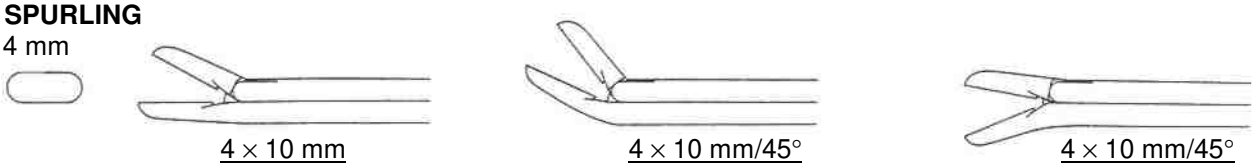
	2 × 10 mm	2 × 10 mm/45°	2 × 10 mm/45°
13,0 cm	**116 08 74200**	**116 08 74201**	**116 08 74203**
15,0 cm	**116 08 74204**	**116 08 74205**	**116 08 74207**
18,0 cm	**116 08 74208**	**116 08 74209**	**116 08 74211**
20,0 cm	**116 08 74212**	**116 08 74213**	**116 08 74215**
25,0 cm	**116 08 74216**	**116 08 74217**	**116 08 74219**
30,0 cm	**116 08 74220**	**116 08 74221**	**116 08 74223**

LOVE-GRUENWALD
3 mm



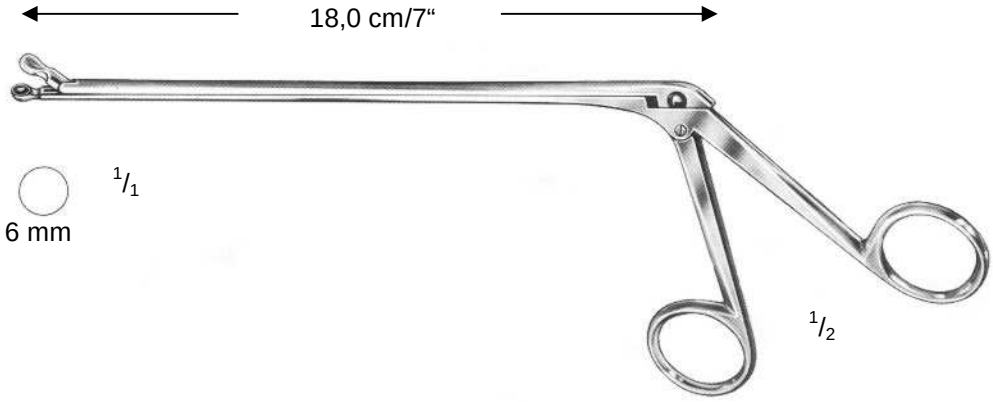
	3 × 10 mm	3 × 10 mm/45°	3 × 10 mm/45°
13,0 cm	**116 08 74300**	**116 08 74301**	**116 08 74303**
15,0 cm	**116 08 74304**	**116 08 74305**	**116 08 74307**
18,0 cm	**116 08 74308**	**116 08 74309**	**116 08 74311**
20,0 cm	**116 08 74312**	**116 08 74313**	**116 08 74215**
25,0 cm	**116 08 74316**	**116 08 74317**	**116 08 74319**
30,0 cm	**116 08 74320**	**116 08 74321**	**116 08 74323**

SPURLING
4 mm

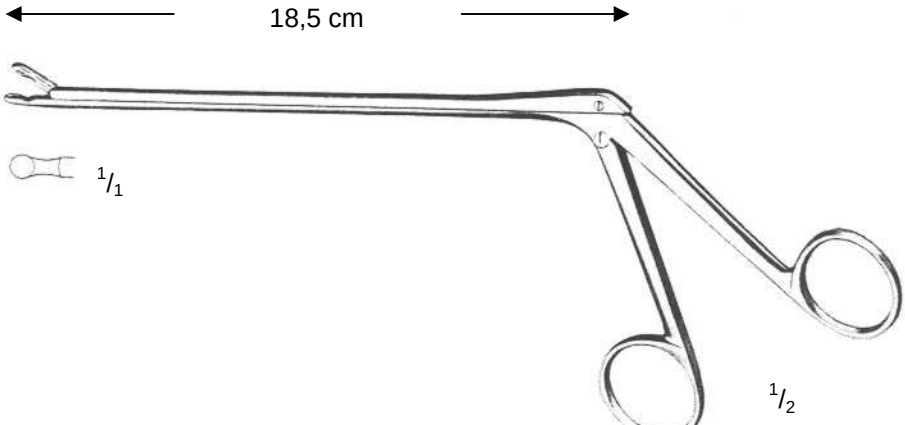


	4 × 10 mm	4 × 10 mm/45°	4 × 10 mm/45°
13,0 cm	**116 08 74400**	**116 08 74401**	**116 08 74403**
15,0 cm	**116 08 74404**	**116 08 74405**	**116 08 74407**
18,0 cm	**116 08 74408**	**116 08 74409**	**116 08 74411**
20,0 cm	**116 08 74412**	**116 08 74413**	**116 08 74415**
25,0 cm	**116 08 74416**	**116 08 74417**	**116 08 74419**
30,0 cm	**116 08 74420**	**116 08 74421**	**116 08 74423**

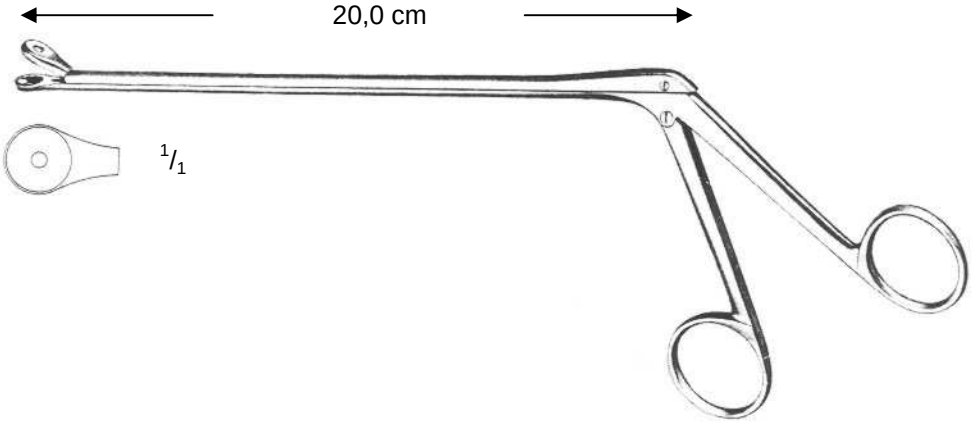
Kleště štípací



OLDBERG
116 08 77000
25,0 cm

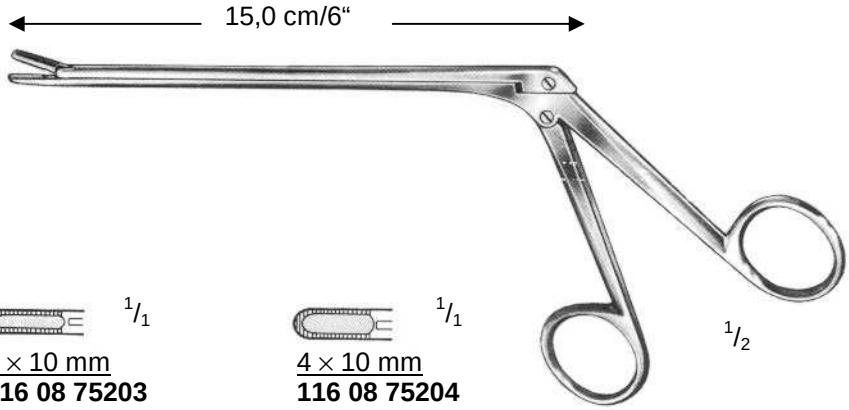


YASARGIL
116 41 44326
25,0 cm



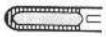
LANDOLT
116 41 44727
27,0 cm

Kleště štípací



1/1

2 × 10 mm
116 08 75202

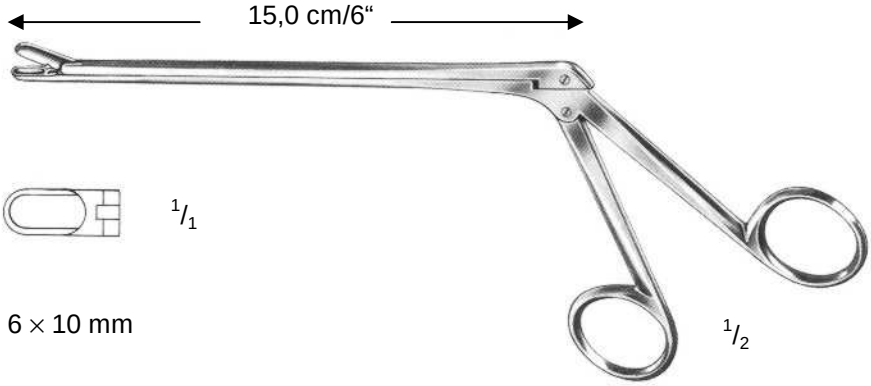

1/1

3 × 10 mm
116 08 75203

1/1

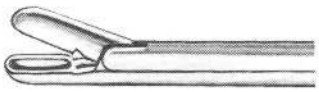
4 × 10 mm
116 08 75204

SCHLESINGER

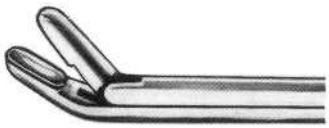


6 × 10 mm

CLOWARD


1/1

6 × 10 mm
116 08 75601

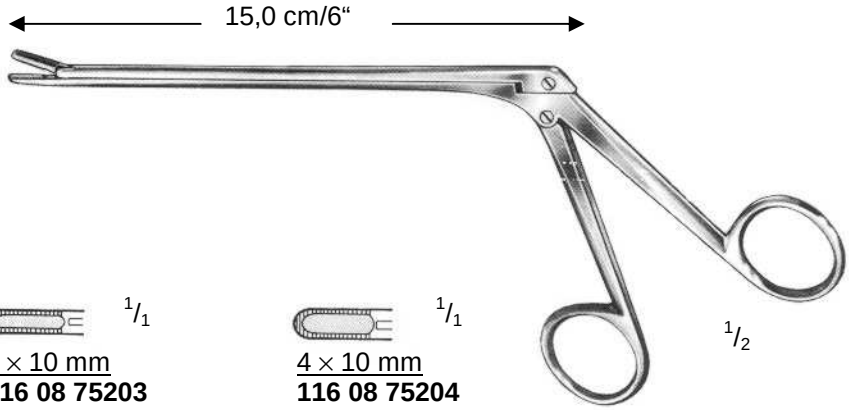

1/1

6 × 10 mm
116 08 75602

1/1

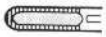
6 × 10 mm
116 08 75603

Kleště štípací



1/1

2 × 10 mm
116 08 75202

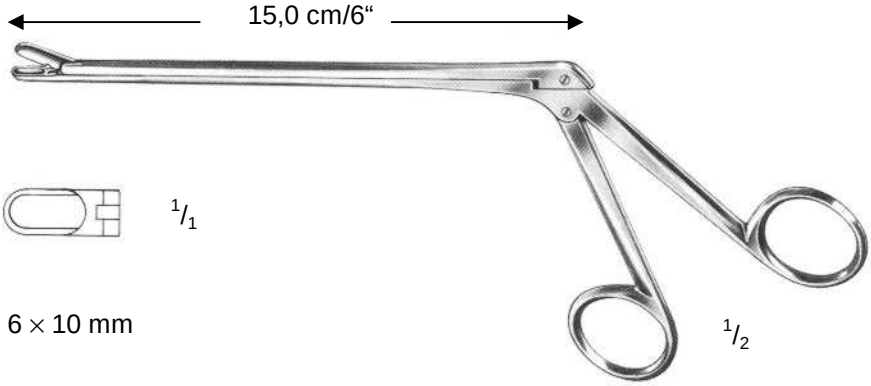

1/1

3 × 10 mm
116 08 75203

1/1

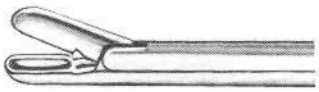
4 × 10 mm
116 08 75204

SCHLESINGER

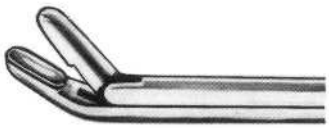


6 × 10 mm

CLOWARD


1/1

6 × 10 mm
116 08 75601

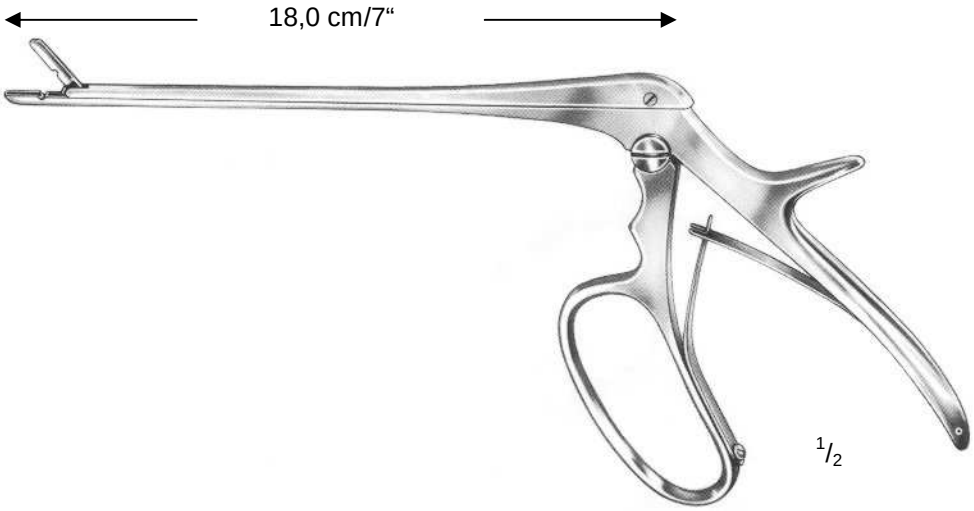

1/1

6 × 10 mm
116 08 75602

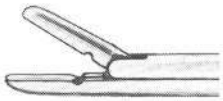
1/1

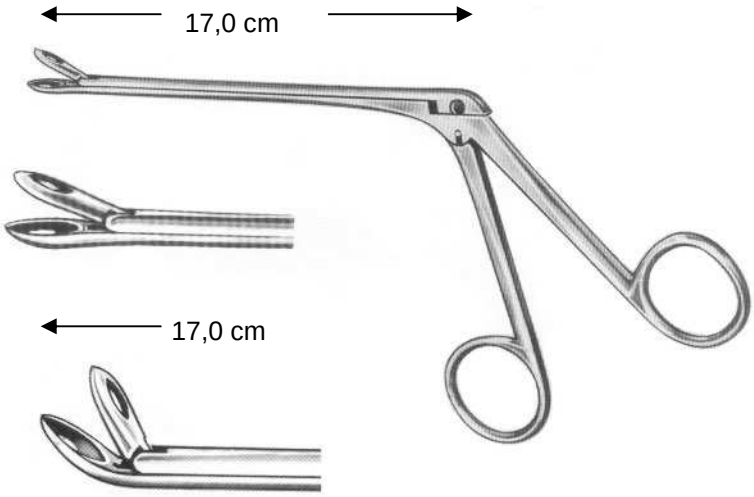
6 × 10 mm
116 08 75603

Kleště štípací



FERRIS-SMITH-CUSHING

	1/1	1/1	1/1	1/1
	2 × 10 mm	3 × 10 mm	4 × 10 mm	6 × 10 mm
	**116 08 76200**	**116 08 76300**	**116 08 76400**	**116 08 76600**
	116 08 76201	**116 08 76301**	**116 08 76401**	**116 08 76601**
	116 08 76203	**116 08 76303**	**116 08 76403**	**116 08 76603**



3 × 8 mm **116 57 2471**	4 × 10 mm **116 57 2472**	5 × 12 mm **116 57 2473**
3 × 8 mm **116 57 2476**	4 × 10 mm **116 57 2477**	5 × 12 mm **116 57 2478**

Kleště štípací

15,0 cm
18,0 cm
20,0 cm

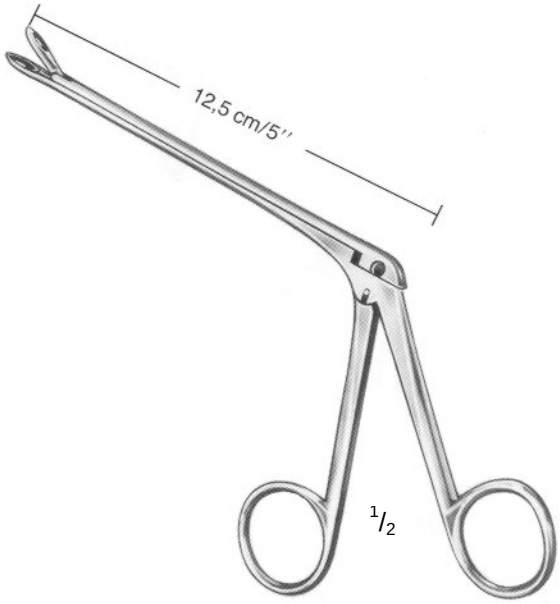
KERRISON

1/1	15,0 cm	18,0 cm	20,0 cm
1 mm	**116 08 70001**	**116 08 70101**	**116 08 70201**
2 mm	**116 08 70002**	**116 08 70102**	**116 08 70202**
3 mm	**116 08 70003**	**116 08 70103**	**116 08 70203**
5 mm	**116 08 70005**	**116 08 70105**	**116 08 70205**

1/1	15,0 cm	18,0 cm	20,0 cm
1 mm	**116 08 70601**	**116 08 70701**	**116 08 70801**
2 mm	**116 08 70602**	**116 08 70702**	**116 08 70802**
3 mm	**116 08 70603**	**116 08 70703**	**116 08 70803**
5 mm	**116 08 70605**	**116 08 70705**	**116 08 70805**

1/1	15,0 cm	18,0 cm	20,0 cm
1 mm	**116 08 71201**	**116 08 71301**	**116 08 71401**
2 mm	**116 08 71202**	**116 08 71302**	**116 08 71402**
3 mm	**116 08 71203**	**116 08 71303**	**116 08 71403**
5 mm	**116 08 71205**	**116 08 71305**	**116 08 71405**

Kleště štípací



WEIL-BLAKESLEY
19,0 cm

0°

vel. 1	vel. 2	vel. 3	vel. 4	vel. 5
47 223-01	**47 223-02**	**47 223-03**	**47 223-04**	**47 223-05**
3,0 mm	3,6 mm	4,2 mm	4,8 mm	5,8 mm

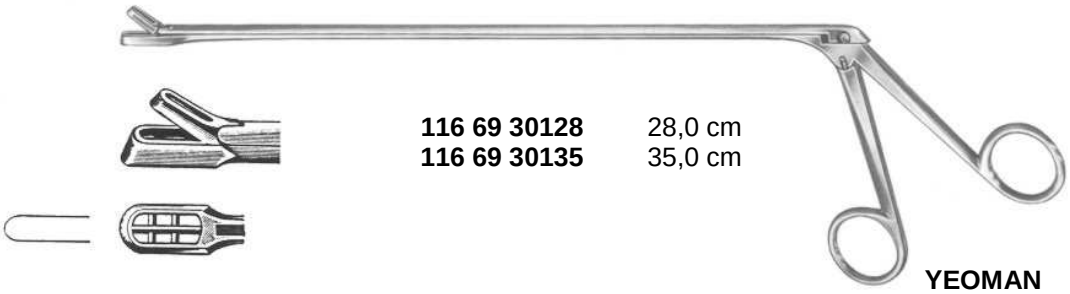
45°

vel. 1	vel. 2	vel. 3	vel. 4	vel. 5
47 224-01	**47 224-02**	**47 224-03**	**47 224-04**	**47 224-05**
3,0 mm	3,6 mm	4,2 mm	4,8 mm	5,8 mm

90°

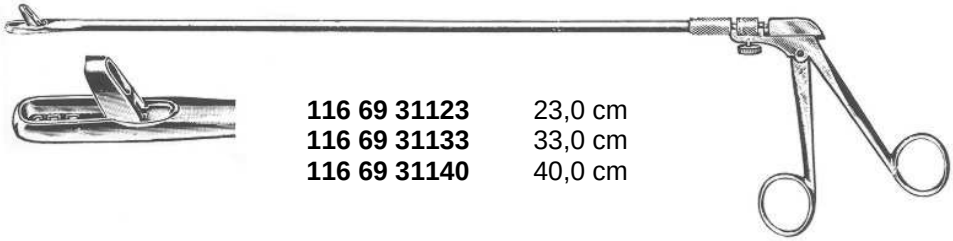
vel. 1	vel. 2	vel. 3	vel. 4
47 225-01	**47 225-02**	**47 225-03**	**47 225-04**
3,0 mm	3,6 mm	4,2 mm	4,8 mm

Kleště štípací



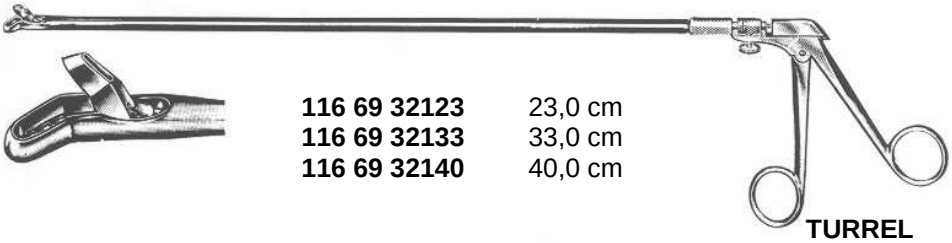
116 69 30128	28,0 cm
116 69 30135	35,0 cm

YEOMAN



116 69 31123	23,0 cm
116 69 31133	33,0 cm
116 69 31140	40,0 cm

YEOMAN



116 69 32123	23,0 cm
116 69 32133	33,0 cm
116 69 32140	40,0 cm

TURREL

1/1

116 63 10123
23,0 cm

1/2

DESJARDINS

1/1

116 63 10323
23,0 cm

1/2

DESJARDINS

Kleště štípací zlacené - tvrdokov

TC

HERKULES
116 34 54718
18,0 cm
pro drát max. ∅ 2,2 mm

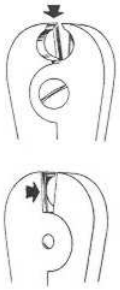
HERKULES
116 34 54723
23,0 cm
pro drát do ∅ 3,0 mm

116 34 54728
28,0 cm
pro drát do ∅ 4,0 mm

HERKULES
116 34 63018
18,0 cm
pro drát do ∅ 1,6 mm

Kleště štípací zlacené - tvrdokov

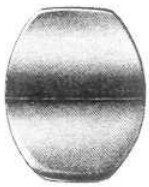
TC



pro měkký drát
do ∅ 2,0 mm
pro tvrdý drát
do ∅ 1,6 mm

1/2

116 34 54818
18,0 cm



1/1

pro měkký drát
do ∅ 2,0 mm
pro tvrdý drát
do ∅ 1,5 mm

1/2

116 34 54215
15,0 cm

TC

1/2

116 34 54522
22,0 cm
pro měkký drát do ∅ 2,5 mm
pro tvrdý drát do ∅ 2,2 mm

1/2

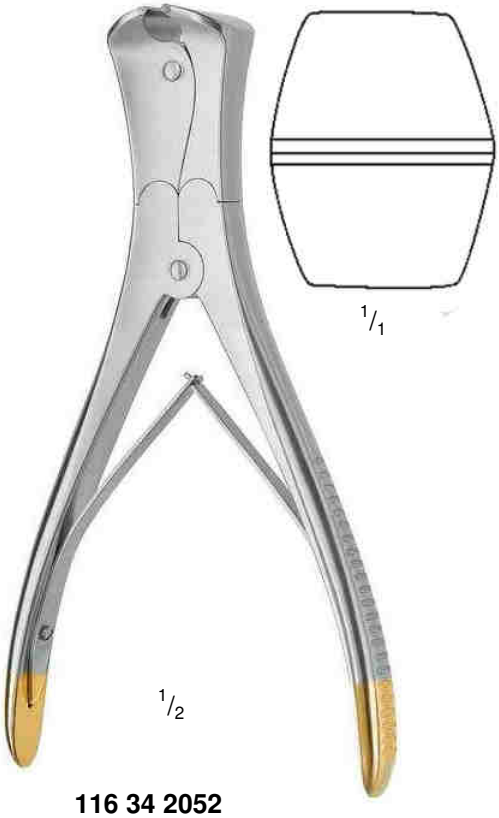
116 34 54622
16,0 cm
pro měkký drát do ∅ 2,0 mm
pro tvrdý drát do ∅ 1,6 mm

1/4

116 34 45947
47,0 cm
do ∅ 6,0 mm

Kleště štípací zlacené - tvrdokov

TC



116 34 2052
21,5 cm
pro drát ∅ 2,5 mm

116 34 2053
23,0 cm
pro drát ∅ 2,2 mm

TC

116 34 2055
14,0 cm
pro drát ∅ 1,0 mm

116 34 2056
15,0 cm
pro drát ∅ 1,0 mm

3B instruments

lékařské nástroje

117

Kleště

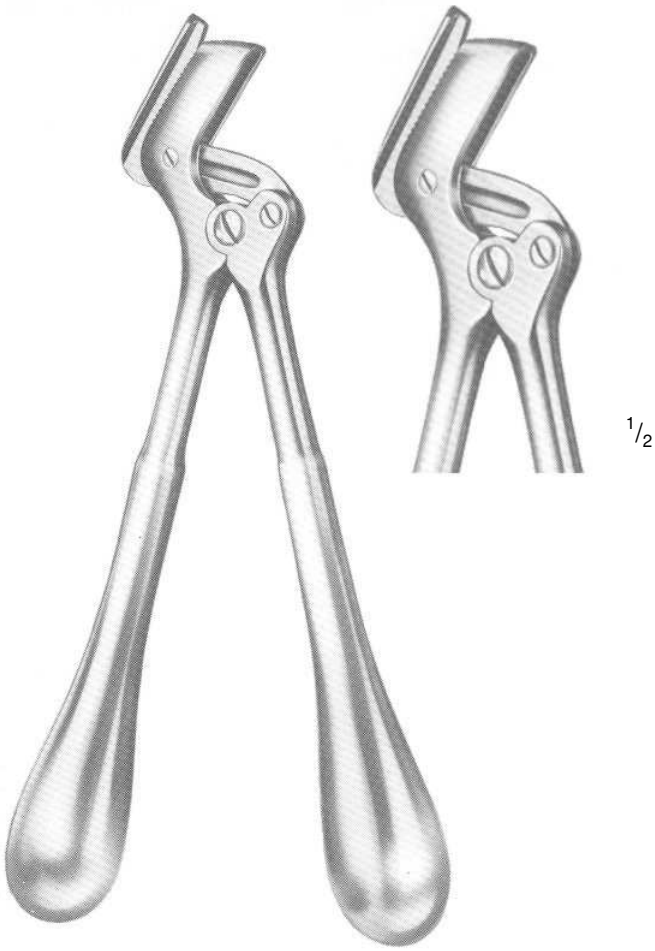
Kleště

117 05 19017
17,0 cm

117 05 19020
20,0 cm

117 05 19025
25,0 cm

MAGILL



STILLE

113 31 10323	23,0 cm
113 31 10326	26,0 cm
113 31 10337	37,0 cm

Kleště

1/3

HENNIG
117 31 35028
28,0 cm

1/3

BEESON
117 31 36030
30,0 cm

1/3

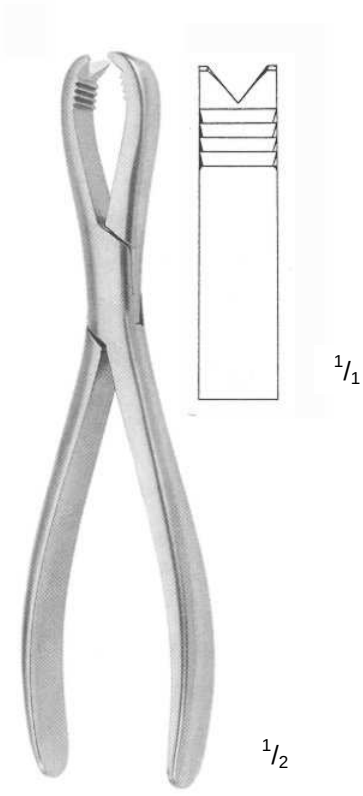
HAGLUND-STILLE
117 31 36228
28,0 cm

1/3

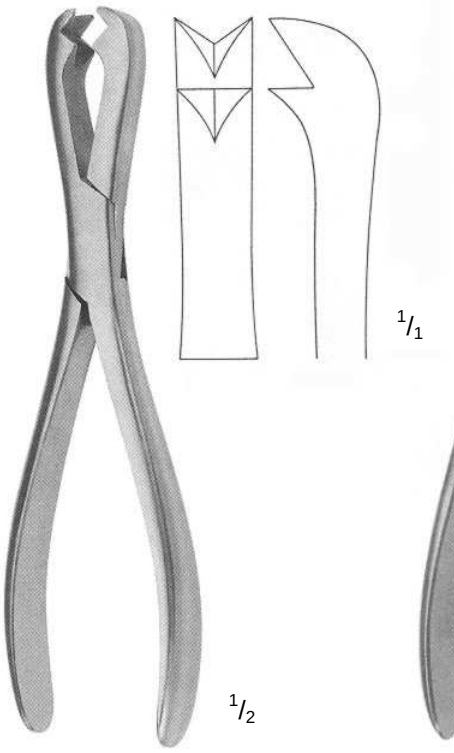
REDA
117 31 36623
23,0 cm

WOLF
117 31 39518 18,0 cm
117 31 39724 24,0 cm

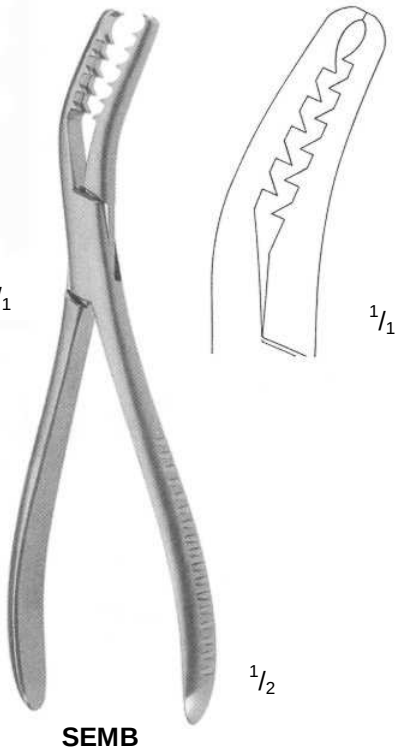
Kleště



LANGENBECK
117 33 36221
21,0 cm



FERGUSSON
117 08 0040
20,0 cm



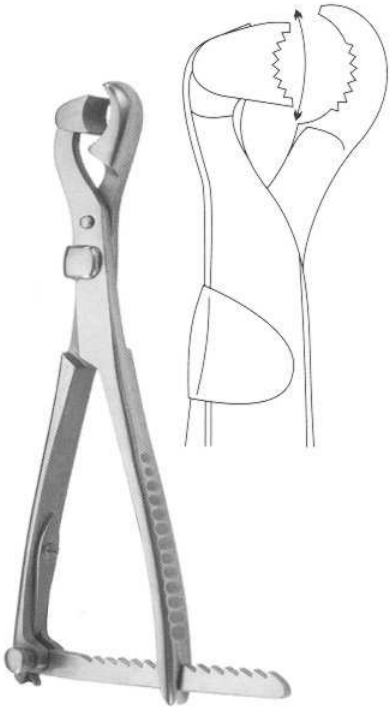
SEMB
117 33 36519
19,0 cm

FARABEUF
117 33 36623 23,0 cm
117 33 36626 26,0 cm

FARABEUF-LAMBOTTE
117 33 36826
26,0 cm

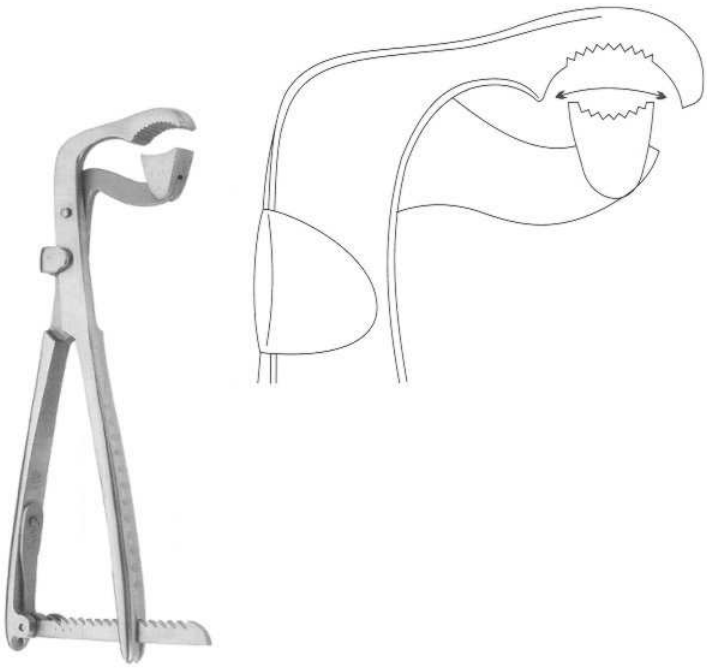
LAMBOTTE
117 33 37022 22,0 cm
117 33 37027 27,0 cm
117 33 37030 30,0 cm

Kleště



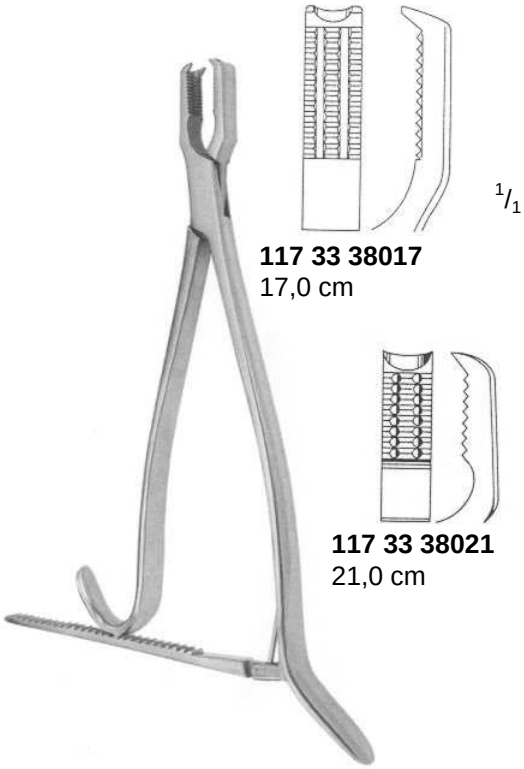
LAMBOTTE

117 33 37222	22,0 cm
117 33 37226	26,0 cm
117 33 37233	33,0 cm



LAMBOTTE

117 33 37319	19,0 cm
117 33 37323	23,0 cm
117 33 37326	26,0 cm

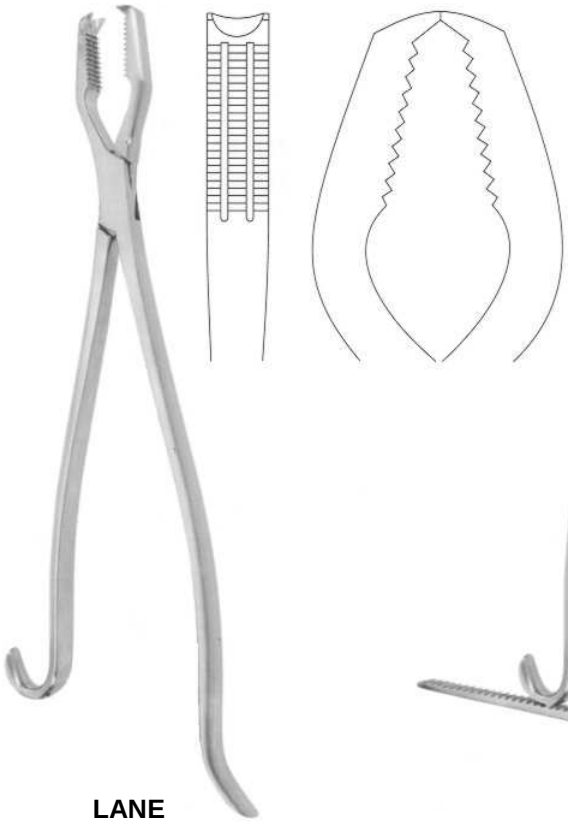


$^1/_1$

117 33 38017
17,0 cm

117 33 38021
21,0 cm

KERN



LANE

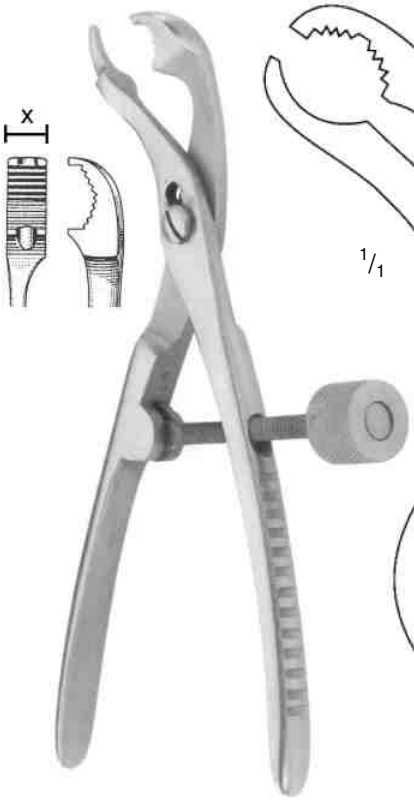
117 33 38233	33,0 cm
117 33 38245	45,0 cm

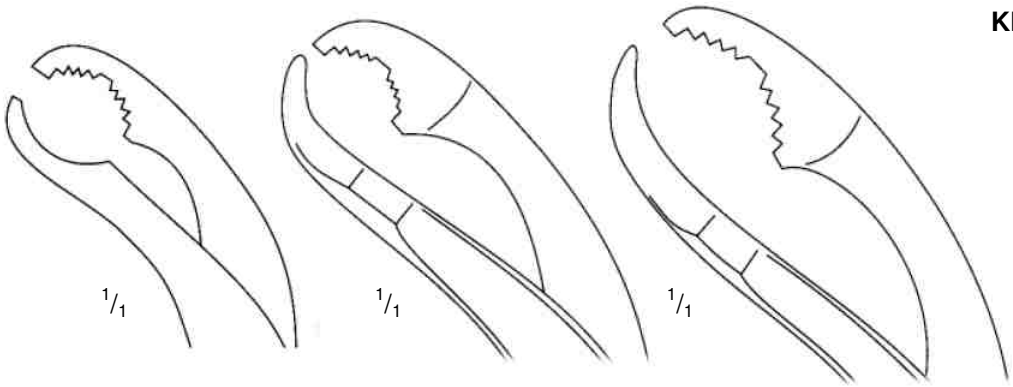
LANE

117 33 38433	33,0 cm
117 33 38445	45,0 cm

CHIRURGIE - ZÁKLAD

Kleště

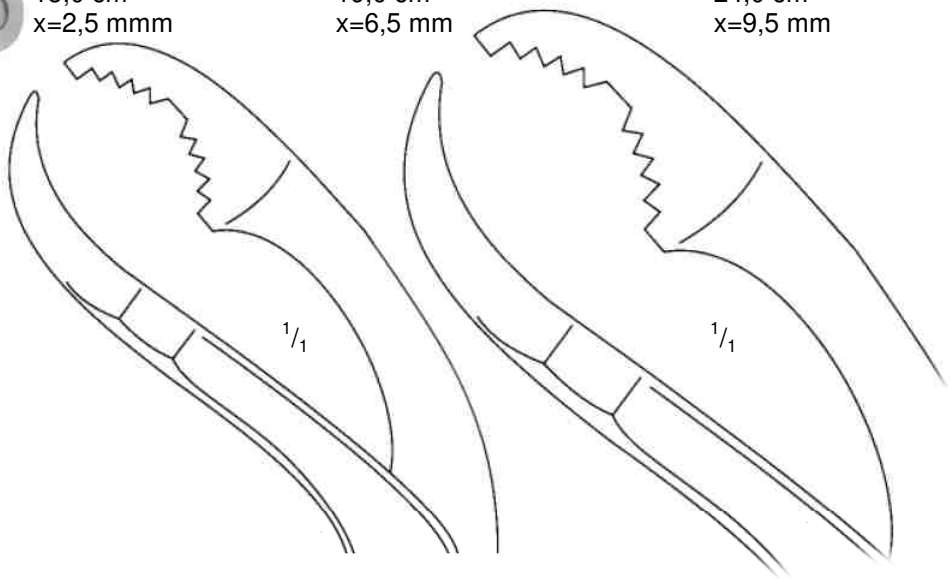




117 33 39115
15,0 cm
x=2,5 mmm

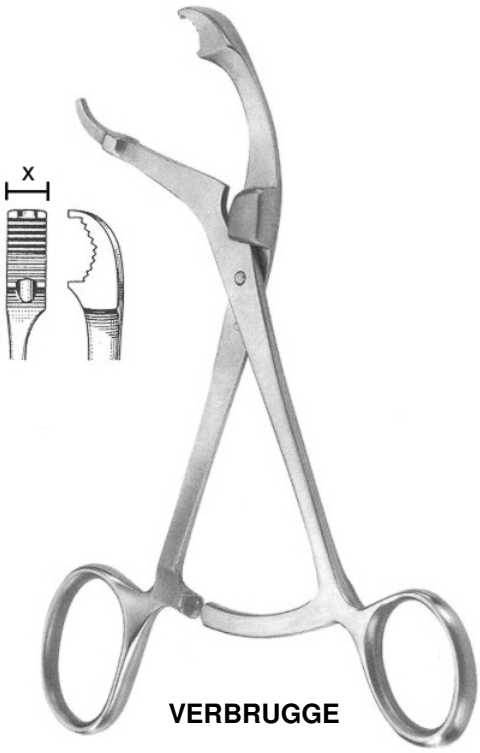
117 33 39119
19,0 cm
x=6,5 mm

117 33 39124
24,0 cm
x=9,5 mm

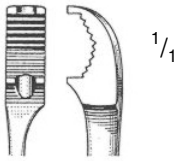


117 33 39126
26,0 cm
x=10,0 mm

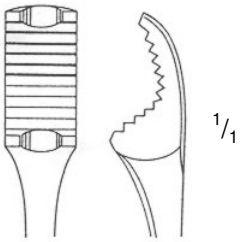
117 33 39128
28,0 cm
x=11,0 mm



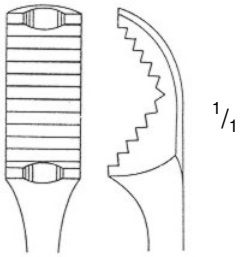
VERBRUGGE



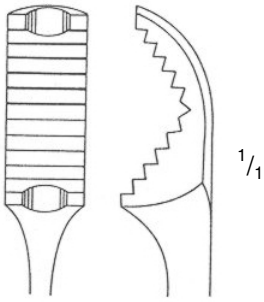
117 33 39517
17,5 cm
x=5,0 mm



117 33 39525
25,0 cm
x=9,5 mm

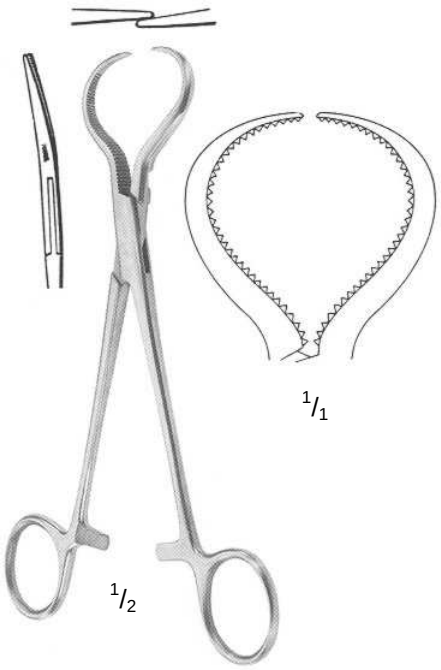


117 33 39526
26,0 cm
x=10,5 mm

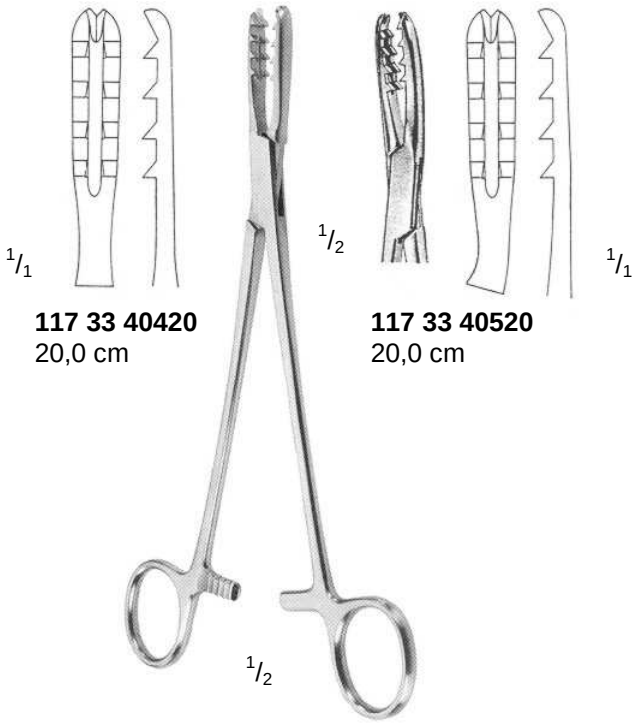


117 33 39527
27,0 cm
x=12,0 mm

Kleště



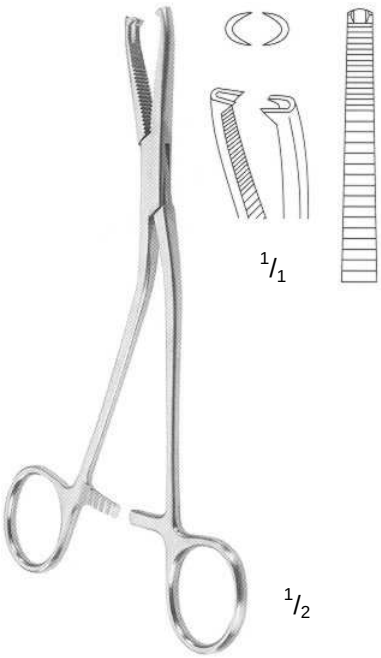
LEWIN
117 33 40217
17,5 cm



117 33 40420
20,0 cm

117 33 40520
20,0 cm

BIRCHER-GANSKE
20,0 cm



DINGMANN
117 33 40719
19,0 cm

REDA
117 33 40913
13,5 cm

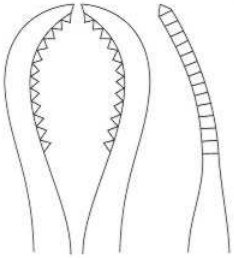
MARTIN
117 33 41019
19,0 cm

Kleště

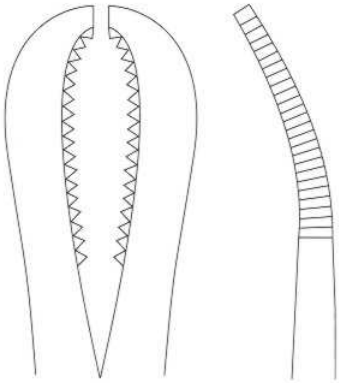
1/1

1/2

REDA



117 33 41216
16,0 cm



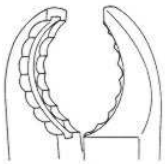
117 33 41224
24,0 cm

1/1

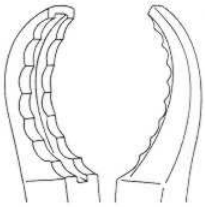
1/2

REDA
117 33 41314
13,5 cm

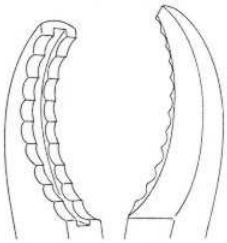
1/1



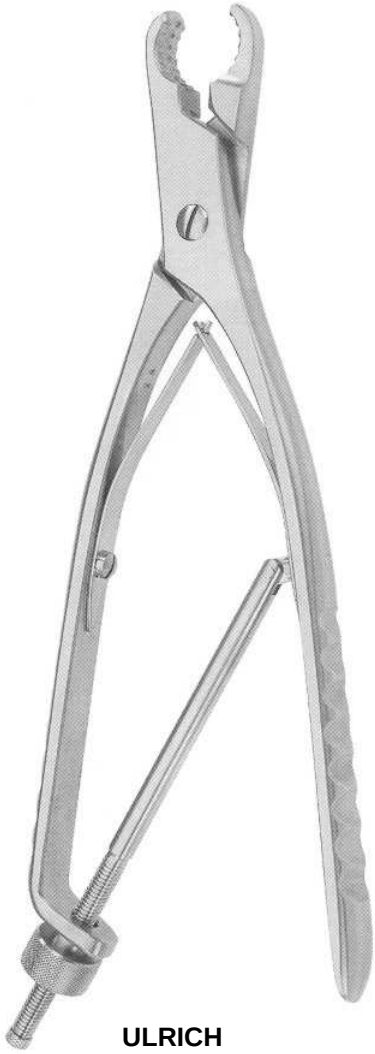
117 33 41523
23,0 cm



117 33 41525
25,0 cm



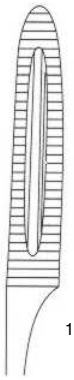
117 33 41528
28,0 cm



ULRICH

Kleště

1/2



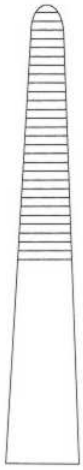
1/1

117 08 0020
20,0 cm

1/1

117 33 42120
20,0 cm

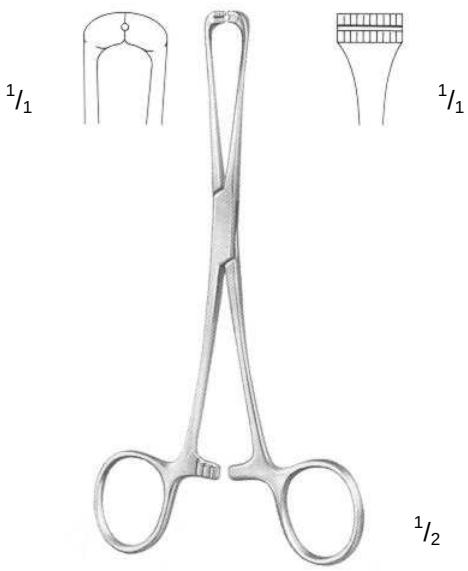
1/2



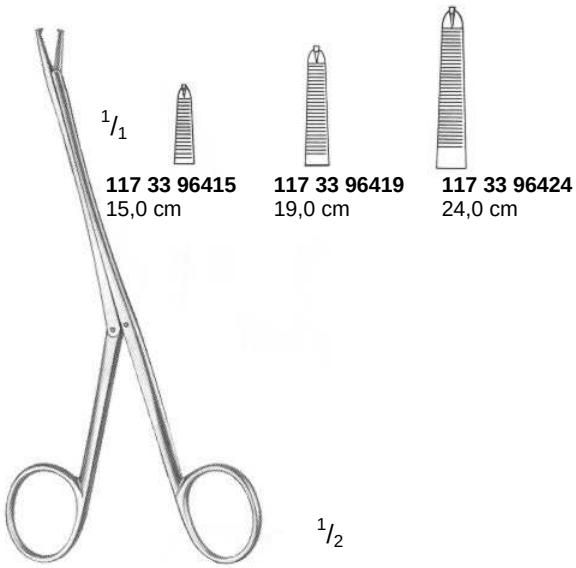
1/1

VAN BUREN
117 33 42323
23,0 cm

Kleště

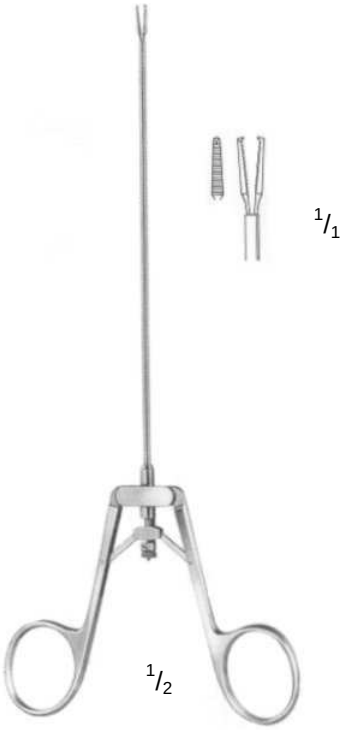


STEINMANN
117 33 96216
16,0 cm

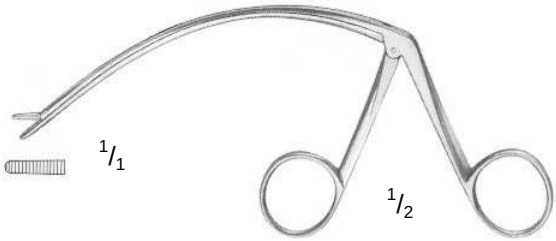


117 33 96415 15,0 cm
117 33 96419 19,0 cm
117 33 96424 24,0 cm

BRAND

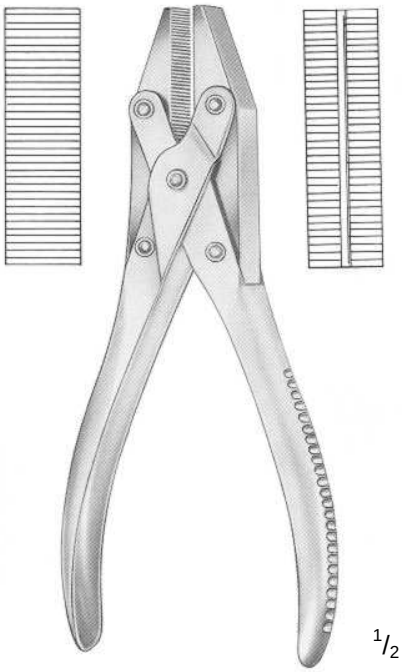


KLEINERT-KUTZ
117 33 96720
20,0 cm



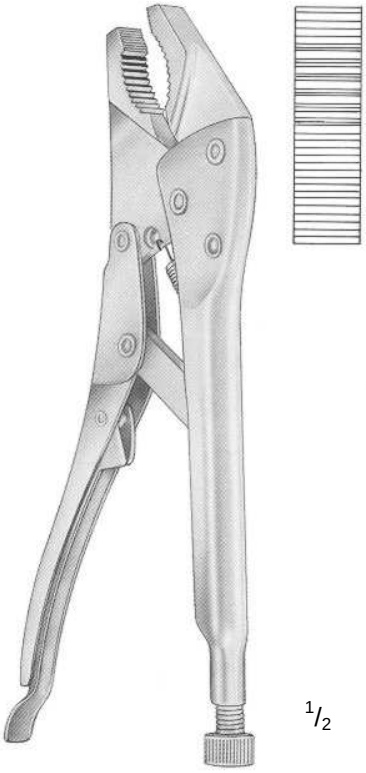
CAROLL
117 33 96511
11,0 cm

Kleště



1/2

117 34 53217
17,0 cm



1/1

1/2

117 34 53318
18,0 cm

1/1

117 34 00170

117 34 00171

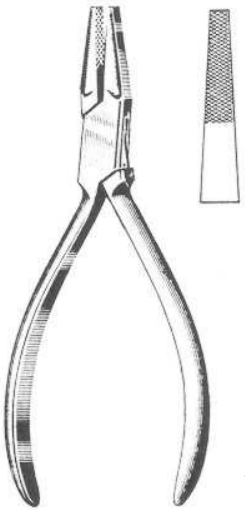
1/2

17,0 cm

1/1

1/2

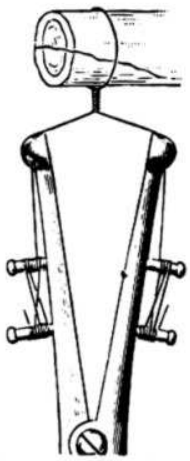
117 34 53415
15,0 cm



1/1

1/2

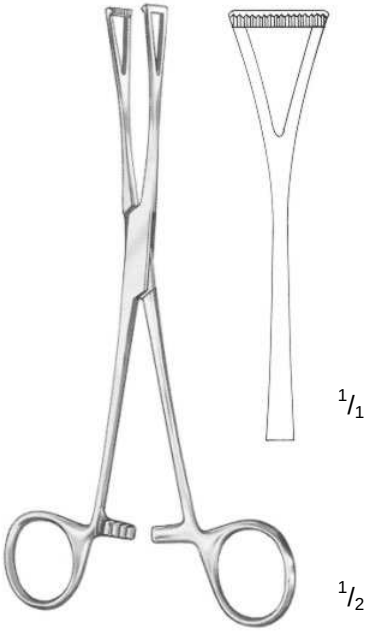
117 34 53614
14,0 cm



1/2

DEMEL
117 34 53028
28,0 cm

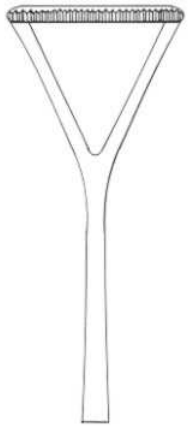
Kleště



DUVAL
117 65 17018
18,0 cm

DUVAL
20,0 cm

117 65 17020
20,0 cm

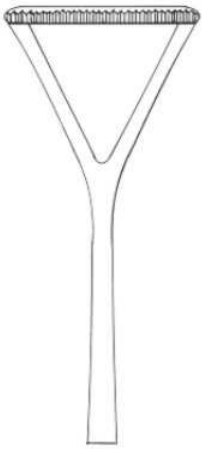


117 65 17220
20,0 cm

DUVAL
22,0 cm

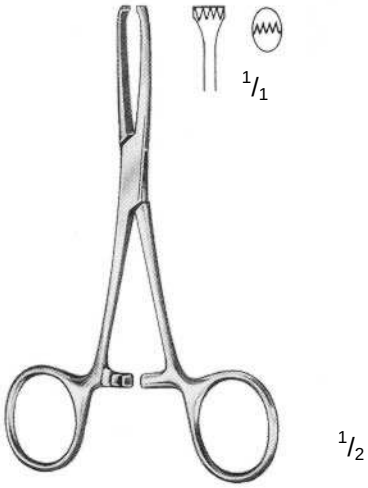
117 14 0110
22,0 cm

117 14 0120
22,0 cm



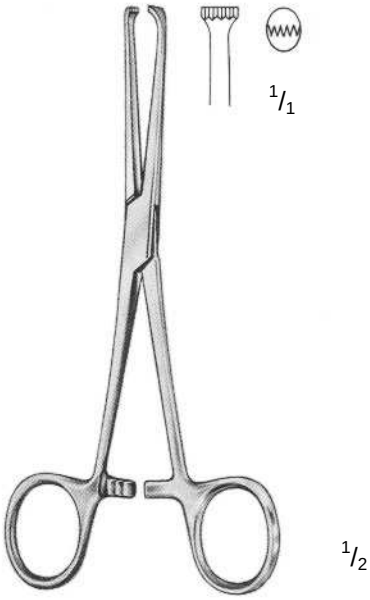
117 14 0130
22,0 cm

Kleště

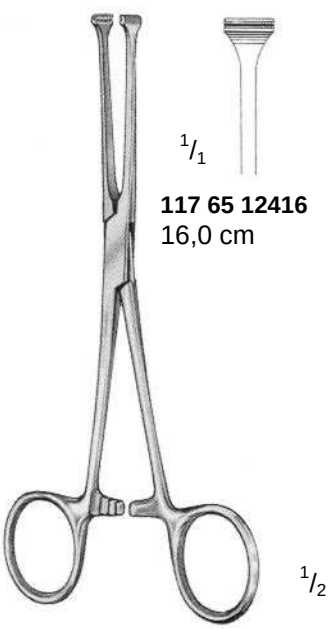


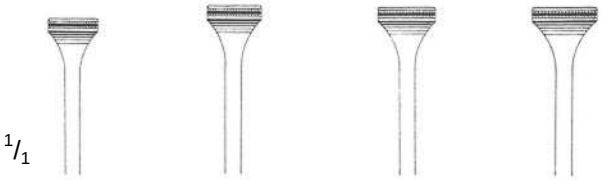
ALLIS-BABY 4 × 5
117 65 10214
12,5 cm
4 × 5 zubů

ALLIS 4 × 5
117 65 11015 15,0 cm
117 19 0070 21,0 cm
4 × 5 zubů



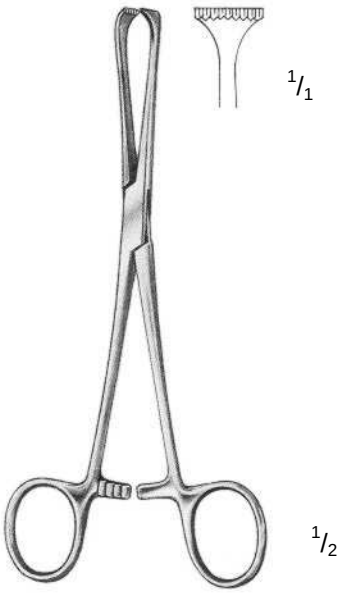
ALLIS 5 × 6
117 65 12015 15,0 cm
117 65 12019 19,0 cm
117 65 12022 22,0 cm
117 65 12024 24,0 cm
5 × 6 zubů





117 65 12416 16,0 cm
117 65 12420 20,0 cm
117 65 12425 25,0 cm
117 65 12430 30,0 cm

ALLIS-ATRAUMA

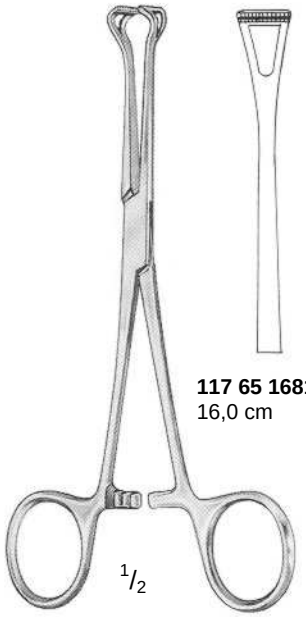


ALLIS-ADAIR 10 × 11
117 65 13015
15,5 cm
10 × 11 zubů

Kleště

THOMS-ALLIS 6 × 7
117 65 15020
20,0 cm
6 × 7 zubů

JUDD-ALLIS 3 × 4
117 65 14015 15,0 cm
117 65 14019 19,0 cm
3 × 4 zuby



117 65 16816
16,0 cm

117 65 16820
20,0 cm

BABCOCK
ATRAUMA

BABCOCK

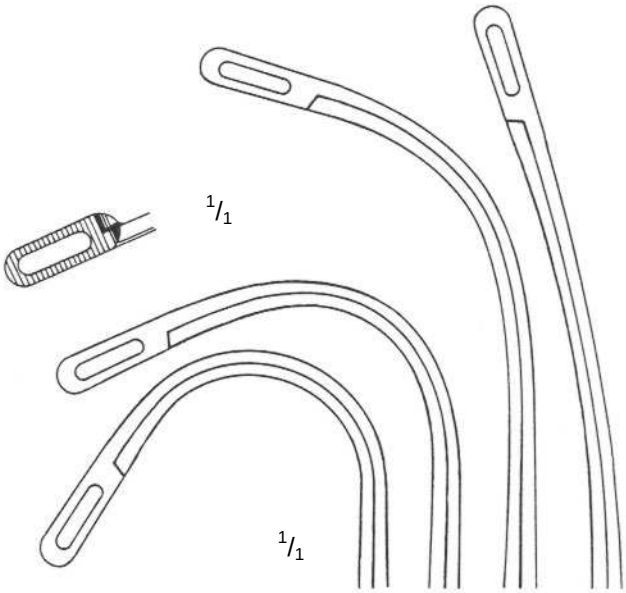
117 65 16016
16,0 cm

117 65 16018
18,0 cm

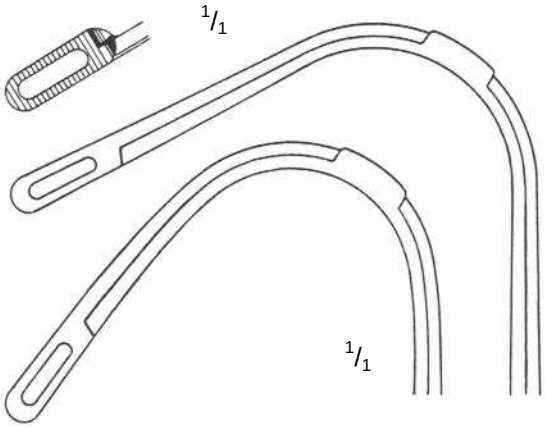
117 65 16020
20,0 cm

117 65 16024
24,0 cm

Kleště



Pos. 4 Pos. 3 Pos. 2 Pos. 1

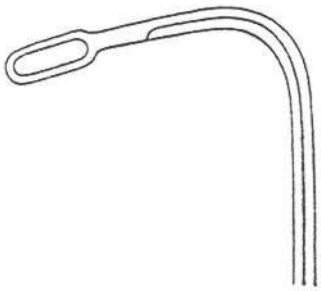


Pos. 6 Pos.5

RANDALL

Pos. 1	117 63 23101	23,0 cm
Pos. 2	117 63 23102	22,0 cm
Pos. 3	117 63 23103	22,0 cm
Pos. 4	117 63 23104	22,0 cm
Pos. 5	117 63 23105	19,0 cm
Pos. 6	117 63 23106	19,0 cm

CHIRANA

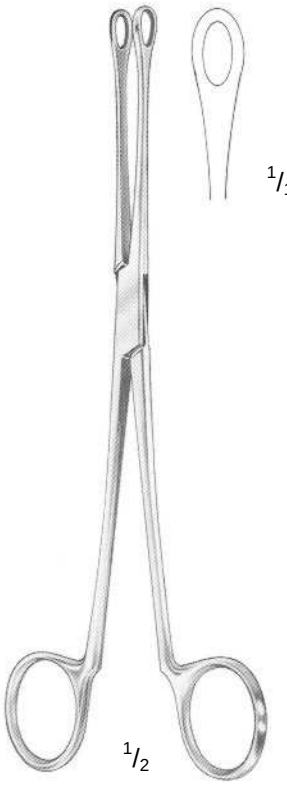


117 22 0290
18,5 cm

117 22 0280
20,0 cm

117 22 0270
21,0 cm

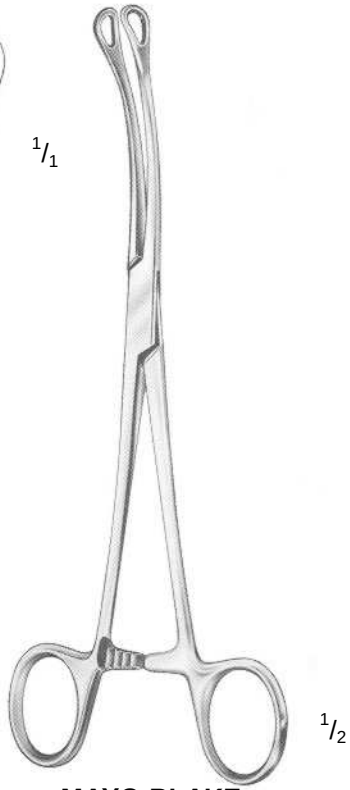
Kleště



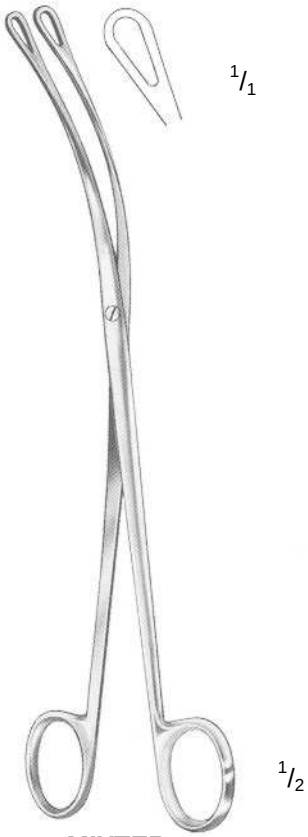
BLAKE
117 63 10620
20,0 cm

BLAKE
117 63 10720
20,0 cm

MAYO-BLAKE
117 63 11020
20,0 cm



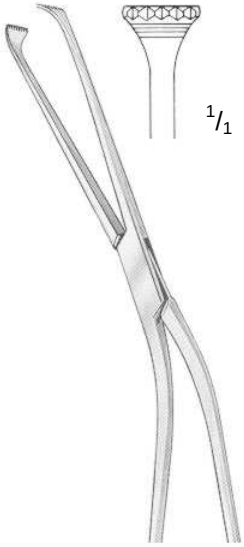
MAYO-BLAKE
117 63 11120
20,0 cm



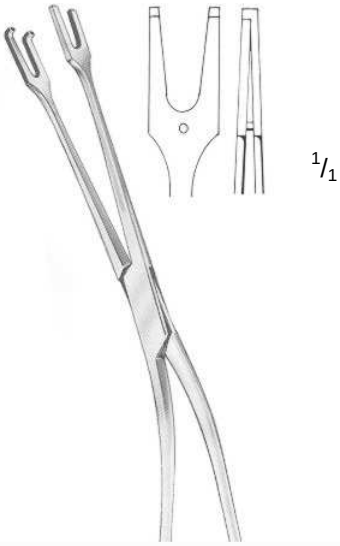
MIXTER
117 63 11722
22,0 cm

Kleště

MILLIN
117 67 11123
23,0 cm

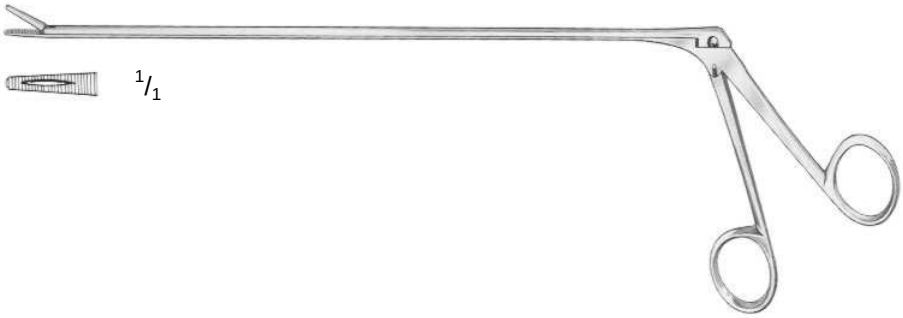


MILLIN
117 67 12323
23,0 cm



MILLIN
117 67 12524
24,0 cm

YOUNG
117 67 10620
20,0 cm

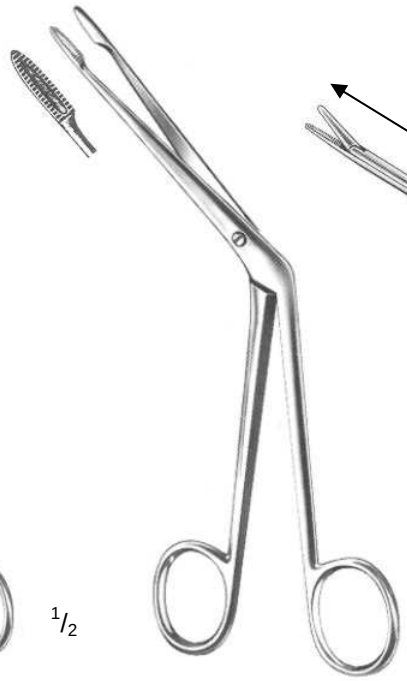


MATHIEU
117 67 17220 20,0 cm
117 67 17228 28,0 cm

Kleště

1/2

HARTMANN
117 47 16116
16,0 cm



1/2

HARTMANN
117 30 0100
20,0 cm

1/1

117 47 17114
14,5 cm

117 47 17314
14,5 cm
1 × 2 zuby

NOYES
14,5 cm

1/2

BALLENGER
117 51 20721
21,0 cm

1/1

1/2

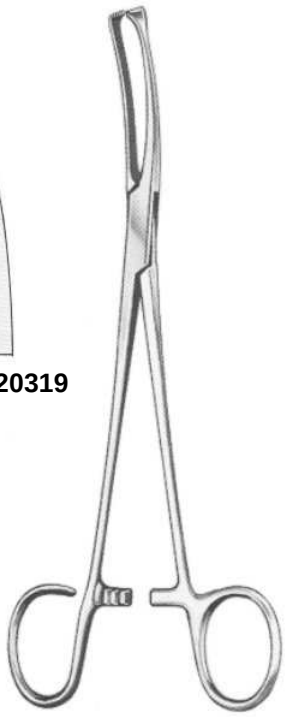
BLOHMKE
117 51 20920
20,0 cm

Kleště

1/1

117 51 20219
19,0 cm

117 51 20319
19,0 cm

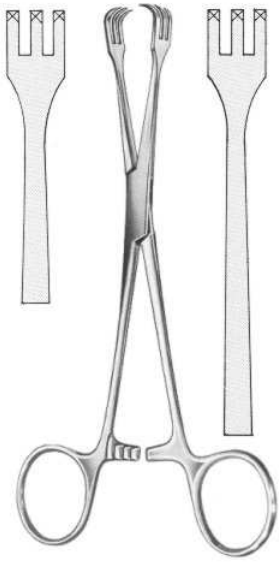


1/2

COLVER
19,0 cm

1/2

WHITE
117 51 20518 18,0 cm
117 51 20523 23,0 cm

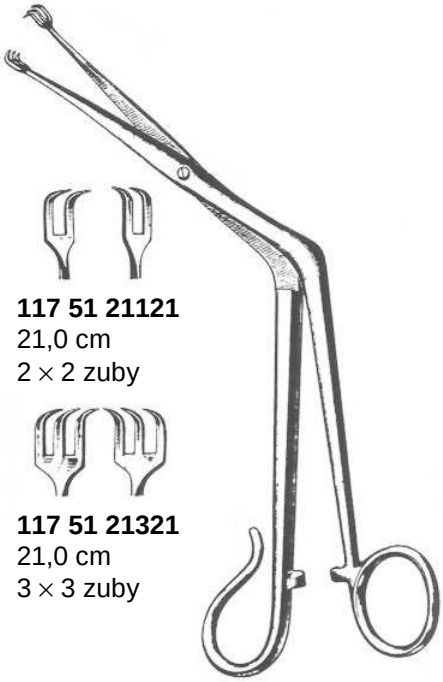


1/1

LAHEY
117 55 52015 15,0 cm
117 55 52020 20,0 cm

1/1

MASTIN
117 55 52317
17,0 cm

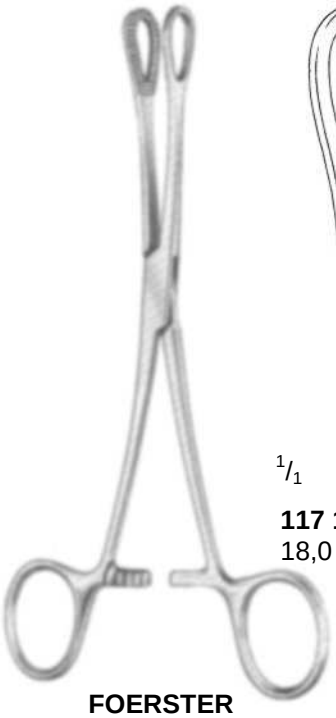


117 51 21121
21,0 cm
2 × 2 zuby

117 51 21321
21,0 cm
3 × 3 zuby

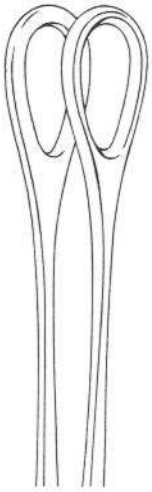
1/2

Kleště



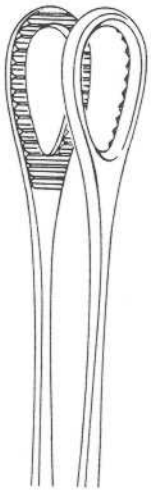
1/2

FOERSTER
18,0 cm

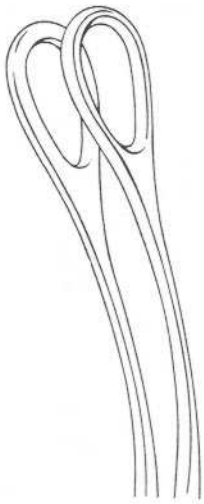


1/1

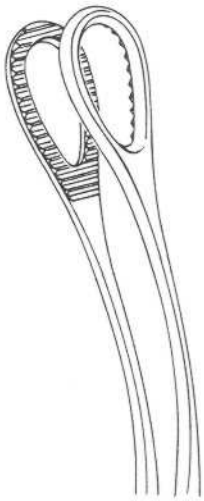
117 17 17218
18,0 cm



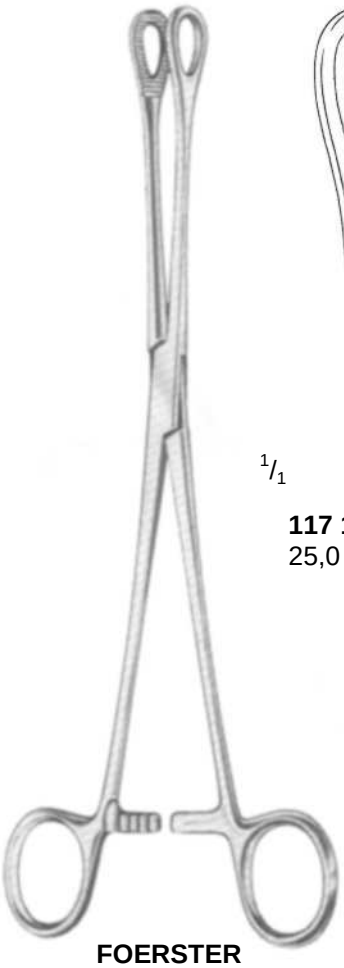
117 17 17018
18,0 cm



117 17 17318
18,0 cm

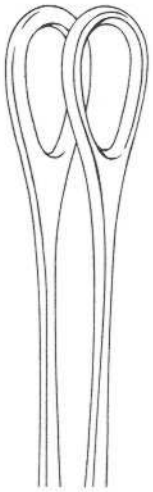


117 17 17118
18,0 cm



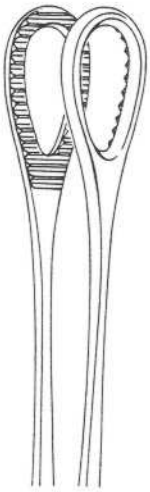
1/2

FOERSTER
25,0 cm

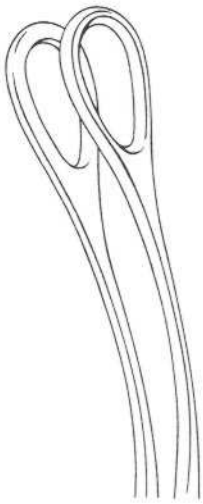


1/1

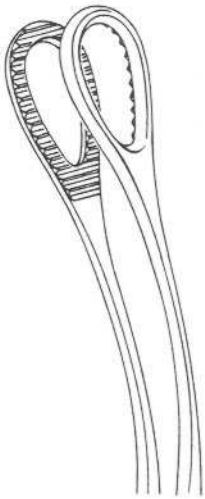
117 17 17225
25,0 cm



117 17 17025
25,0 cm

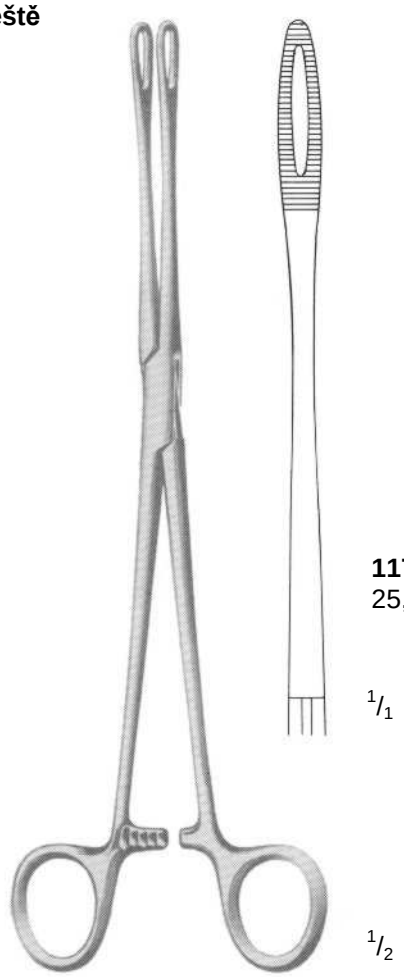


117 17 17325
25,0 cm

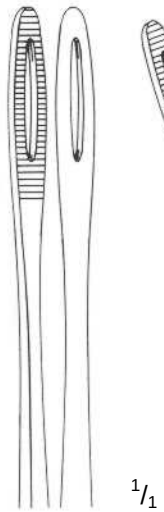


117 17 17125
25,0 cm

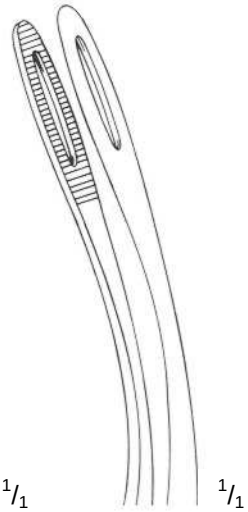
Kleště



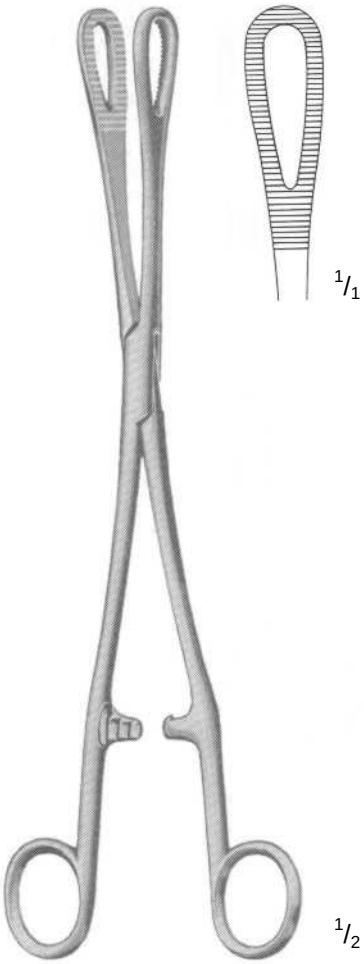
FOERSTER
25,0 cm



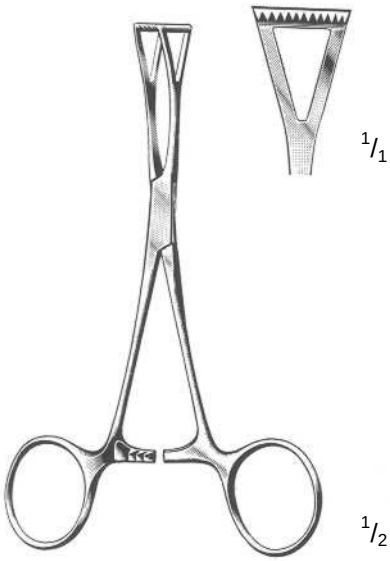
117 17 17425
25,0 cm



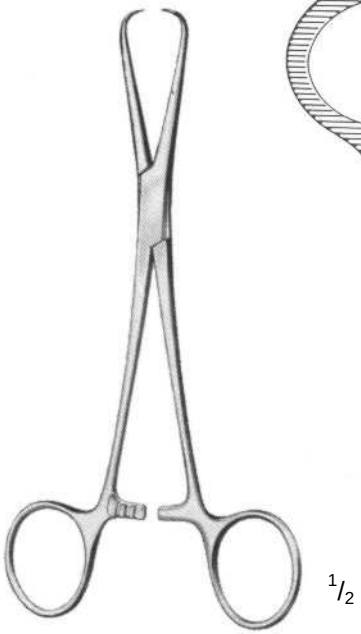
117 17 17525
25,0 cm



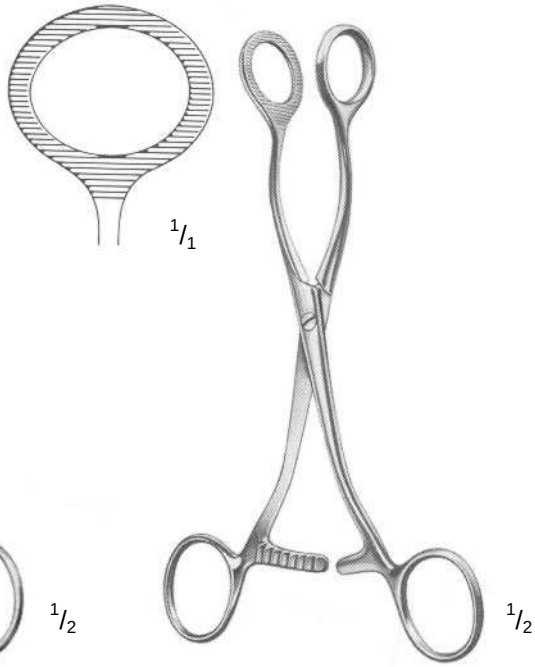
RAMPLEY
117 17 18025
25,0 cm



COLLIN
117 13 37414
14,0 cm



LOEBKER
117 31 0030
15,0 cm



COLLIN
117 31 0010
16,5 cm

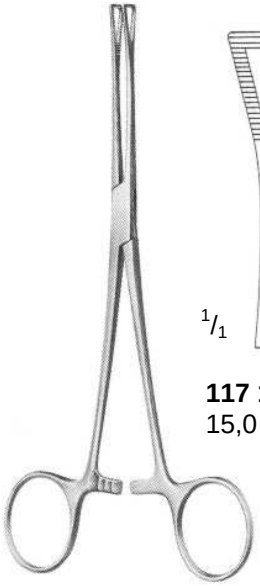
Kleště

1/1

117 13 37725
25,0 cm

117 13 37726
26,0 cm

ATRAUMA



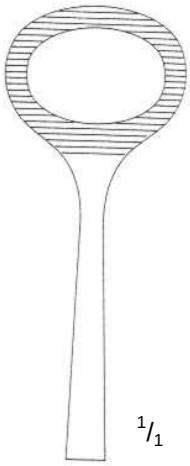
1/1

117 13 35815
15,0 cm

117 13 35820
20,0 cm

1/2

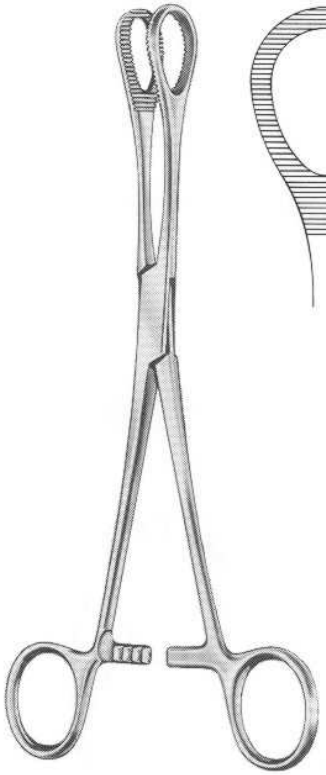
PENNINGTON

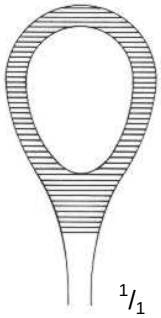


1/1

1/2

DOYEN
117 71 54220
20,0 cm





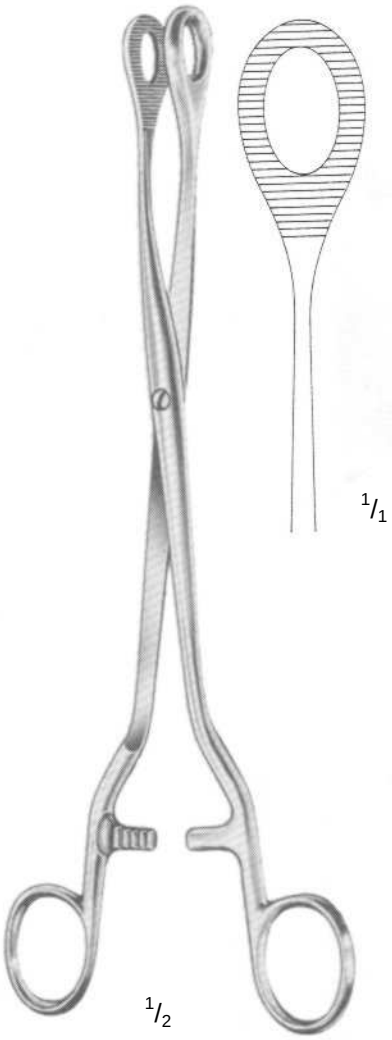
1/1

1/2

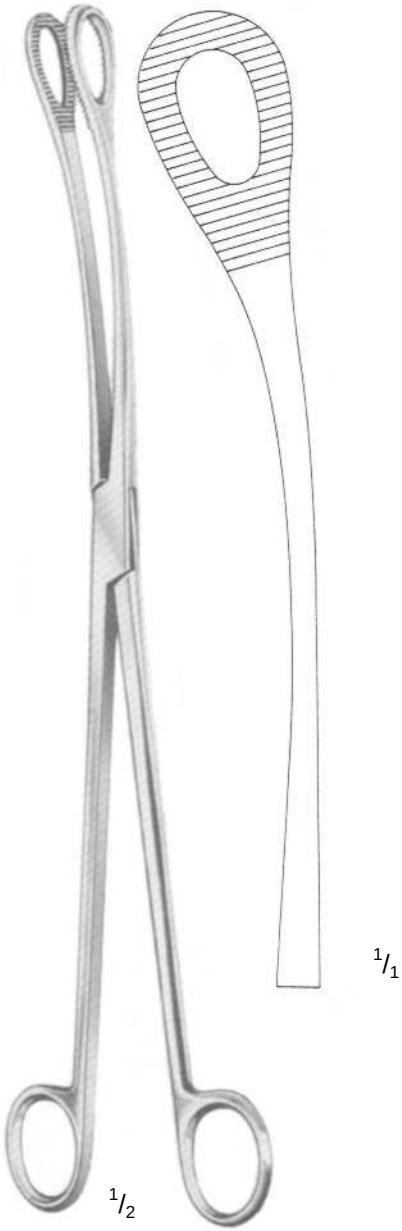
HEYWOOD-SMITH
117 08 17021
21,0 cm

Kleště

HEYWOOD-SMITH
117 08 17225
25,0 cm



NOTO
117 71 54027
27,0 cm



KELLY
117 71 54332
32,0 cm

Kleště

SCHROEDER
117 27 0010
25,0 cm

BARRETT
117 71 51018
18,0 cm

1/1

117 71 52406
6,0 mm

1/1

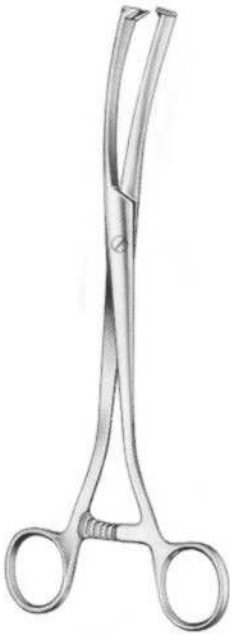
117 71 52408
8,0 mm

1/1

117 71 52410
10,0 mm

1/3

MUSEUX
24,0 cm



1/1

117 71 52506
6,0 mm

1/1

117 71 52508
8,0 mm

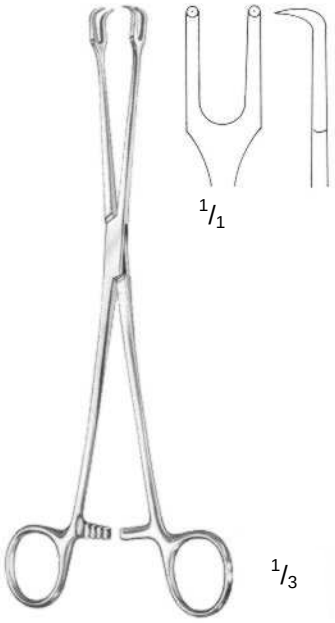
1/1

117 71 52510
10,0 mm

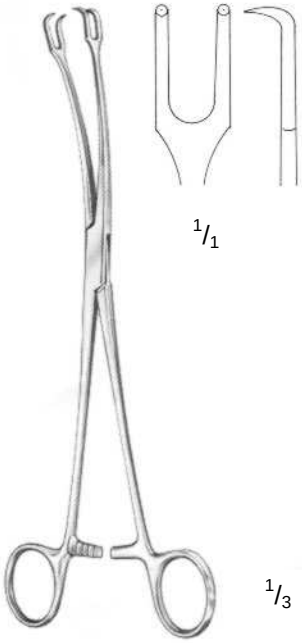
1/3

MUSEUX
24,0 cm

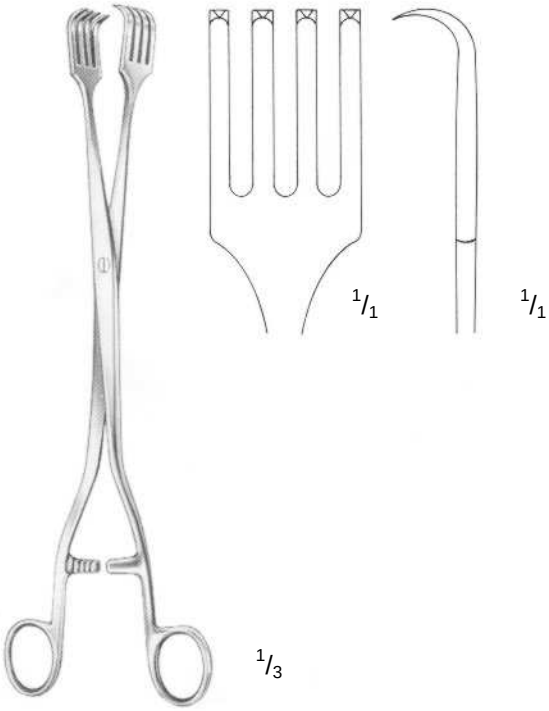
Kleště



SCHROEDER
117 27 0020
25,0 cm



SCHROEDER
117 71 51524
25,0 cm

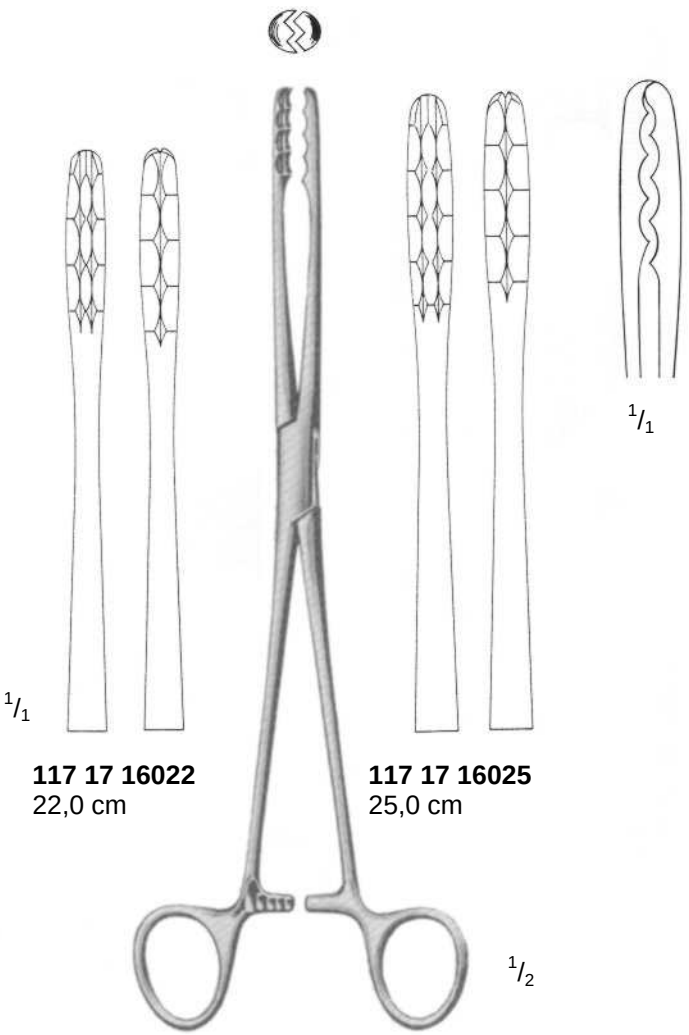


PRATT
117 71 53628
28,0 cm

JACOBS
117 71 53221
21,0 cm

JACOBS
117 71 53321
21,0 cm

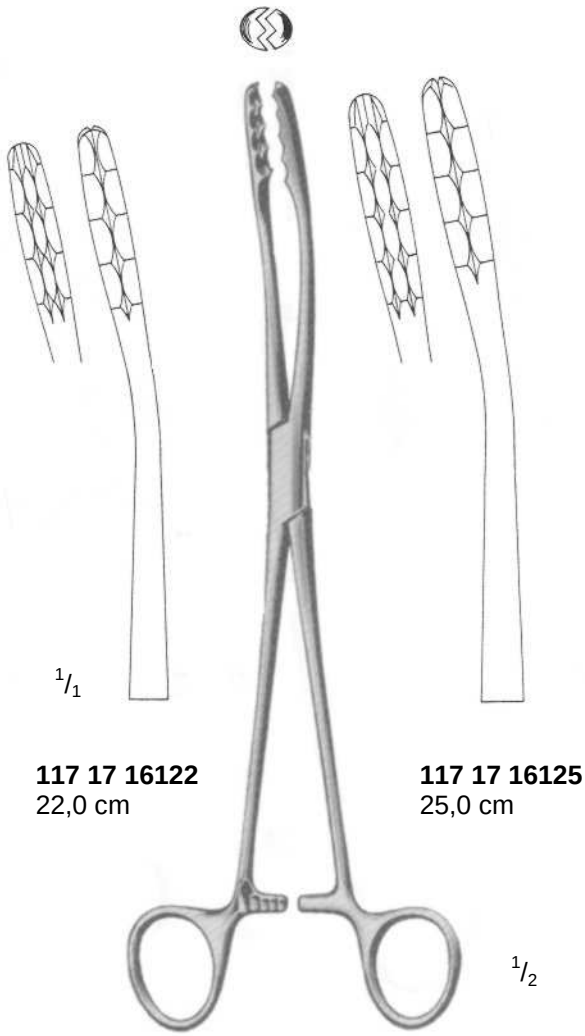
Kleště



117 17 16022
22,0 cm

117 17 16025
25,0 cm

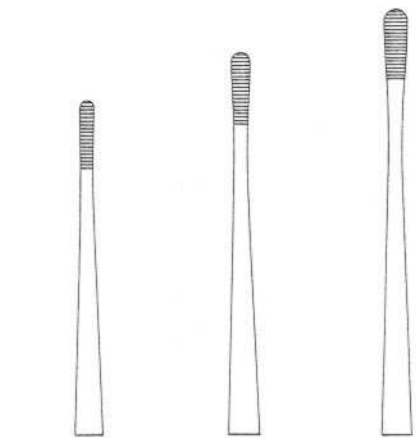
ULRICH



117 17 16122
22,0 cm

117 17 16125
25,0 cm

ULRICH



117 17 21013
13,0 cm

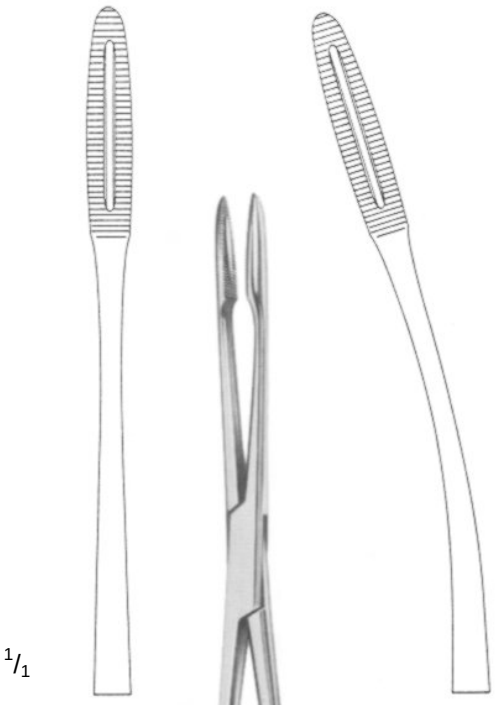
117 17 21016
16,0 cm

117 17 21018
18,0 cm

1/2

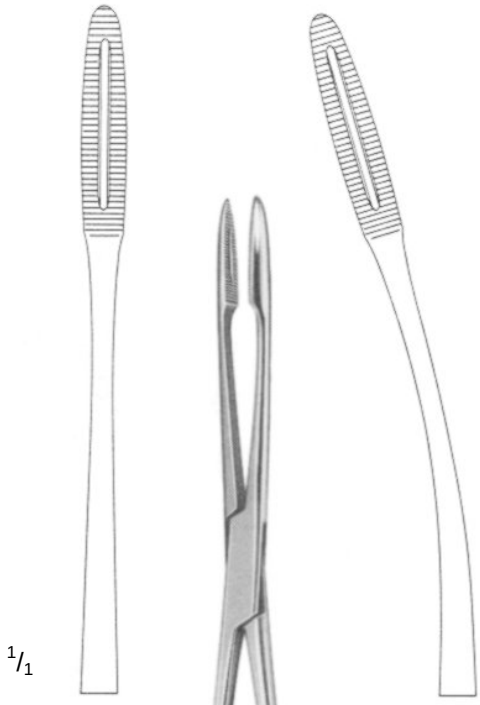
LISTER

Kleště



117 27 0270
26,0 cm

117 27 0290
26,0 cm



117 27 0260
26,0 cm

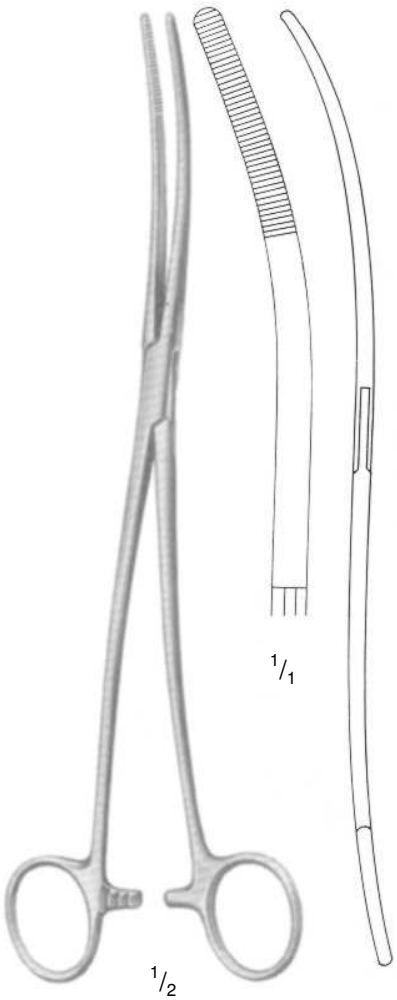
117 27 0280
26,0 cm

MAIER
26,0 cm

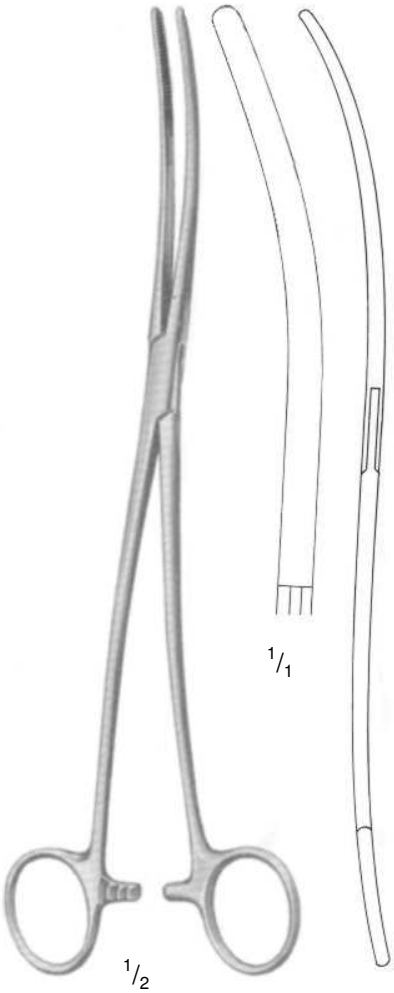
MAIER
26,0 cm

COLLIN
117 17 22025
25,0 cm

Kleště



BOZEMANN
117 27 0510
26,0 cm

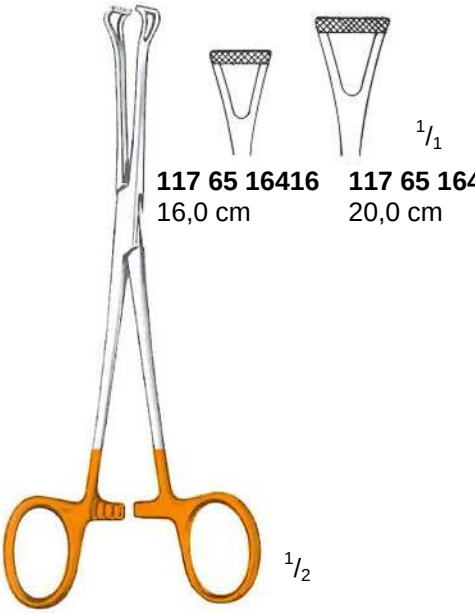


BOZEMANN
117 27 0500
26,0 cm

PELKMANN
117 17 22625
25,0 cm

Kleště zlacené - tvrdokov

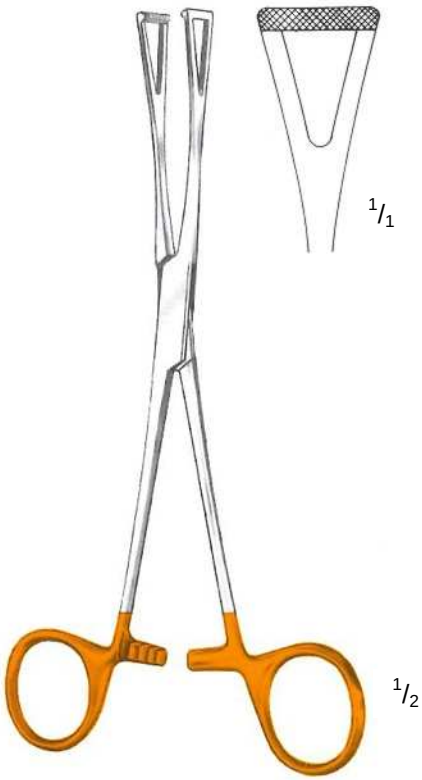
TC



117 65 16416
16,0 cm

117 65 16420
20,0 cm

BABCOCK-TC



DUVAL-TC
117 65 17420
20,0 cm

TC

117 34 53818
18,0 cm

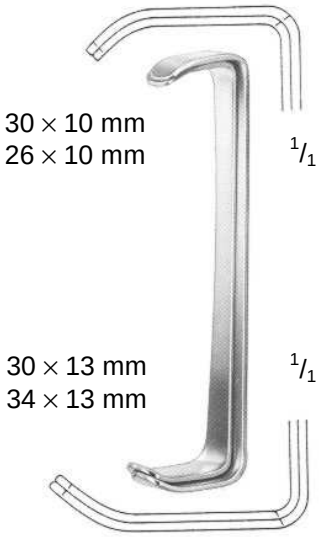
3B instruments

lékařské nástroje

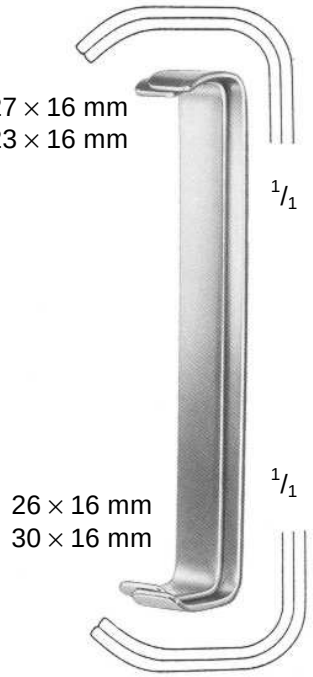
118

Háky

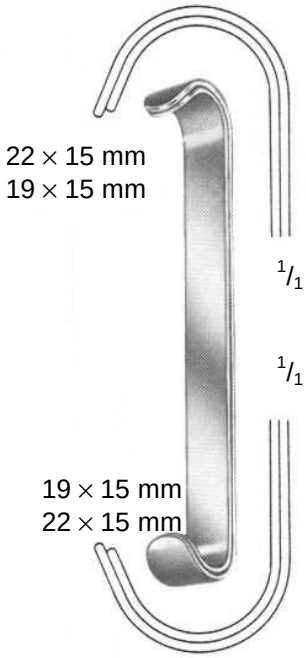
Háky



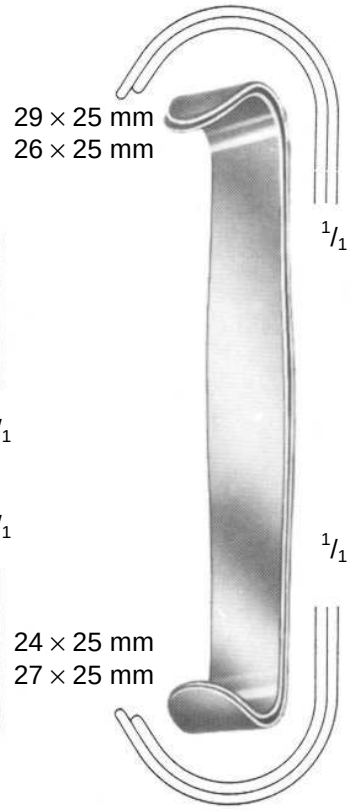
FARABEUF
118 19 10212
12,0 cm



FARABEUF
118 19 10215
15,0 cm

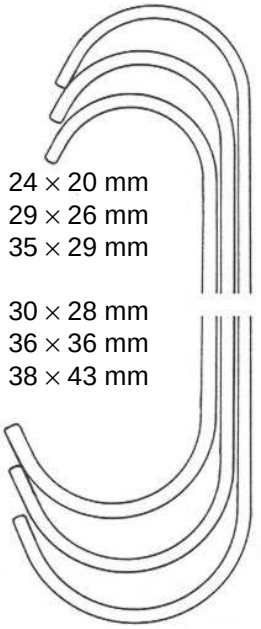


PARKER
118 19 11013
13,5 cm

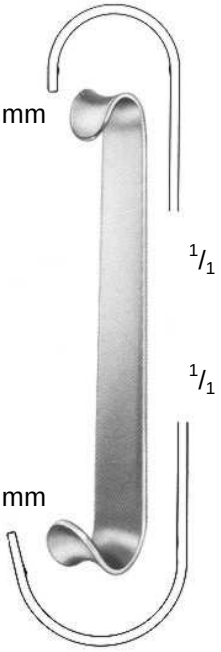


PARKER
118 19 11018
18,0 cm

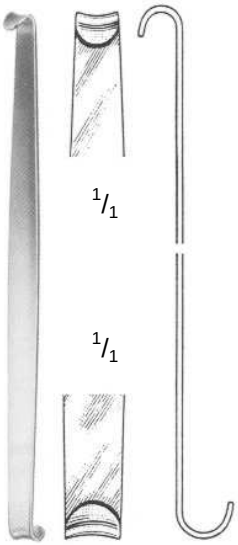
ROUX
118 19 12000
sada



Pos. 1 = 118 19 12014	14,0 cm
Pos. 2 = 118 19 12015	15,0 cm
Pos. 3 = 118 19 12017	17,0 cm

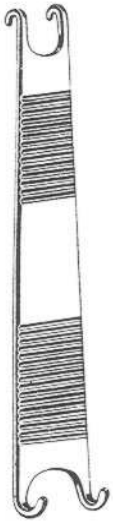


ROUX BABY
118 19 12213
13,0 cm



ROUX MINI
118 19 12415
15,0 cm

Háky

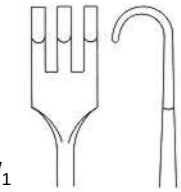


2/3

118 12 0090
10,5 cm

CRILE
118 19 12711
11,5 cm

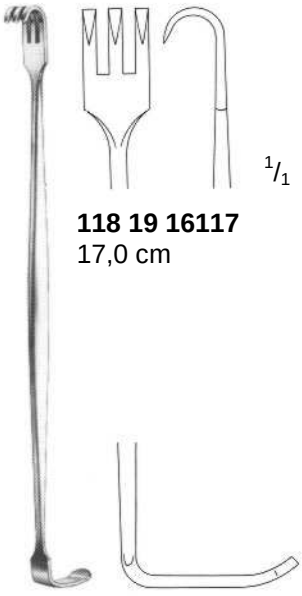
7 × 8,5 mm



1/1

118 19 16017
17,0 cm

7 × 8,5 mm

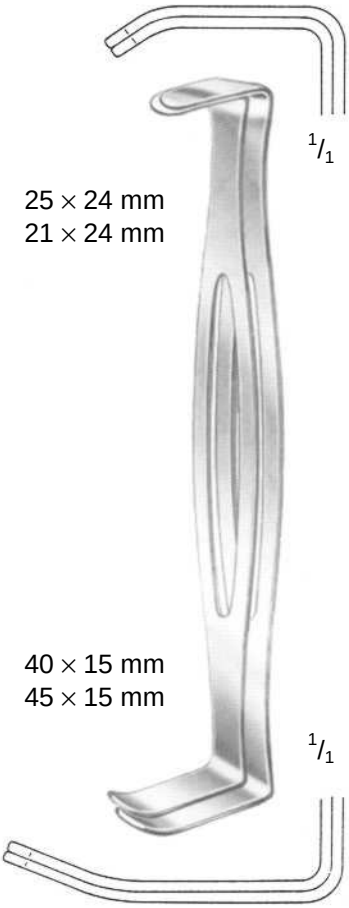


1/1

118 19 16117
17,0 cm

1/1

SENN
17,0 cm



1/1

25 × 24 mm
21 × 24 mm

40 × 15 mm
45 × 15 mm

1/1

US ARMY
118 19 13121
21,0 cm

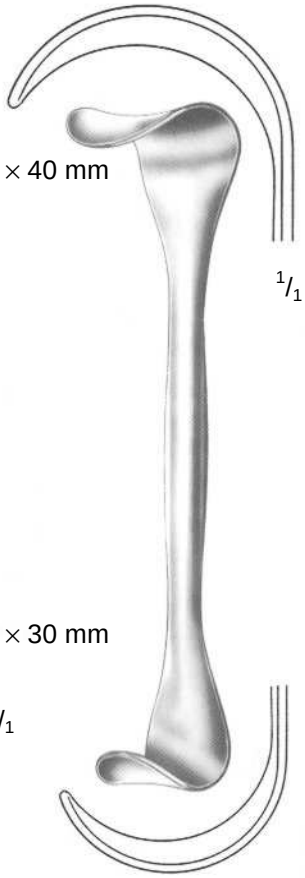
47 × 13 mm
42 × 13 mm

1/1

42 × 26 mm
46 × 26 mm

1/1

MATHIEU
118 19 13420
20,0 cm



37 × 40 mm

1/1

30 × 30 mm

1/1

GOELET
118 19 13519
19,0 cm

Háky

1/2

GRAEFE
14,0 cm

1/1

118 38 0050
14,0 cm
ostrý

1/1

118 38 0060
14,0 cm
tupý

1/2

16,0 cm

1/1

118 12 0010
16,0 cm
ostrý

1/1

118 12 0020
16,0 cm
ostrý

1/2

16,0 cm

1/1

118 08 02801
16,0 cm
ostrý

1/1

118 08 02802
16,0 cm
ostrý

1/1

118 08 02803
16,0 cm
ostrý

1/1

118 08 02804
16,0 cm
ostrý

1/2

KLEINERT-KUTZ
16,0 cm
ostrý

1/1

170-020-001
vel.1
ostrý

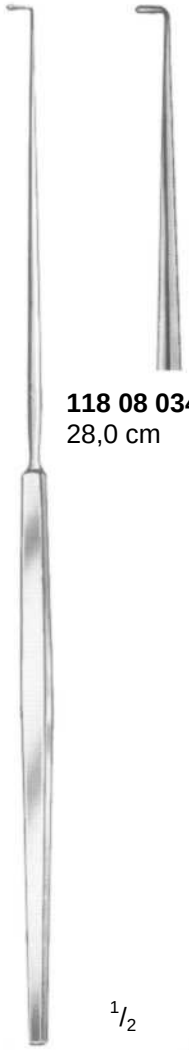
1/1

170-020-002
vel.2
ostrý

1/1

170-020-003
vel.3
ostrý

Háky



1/2

CUSHING
28,0 cm

1/1

118 08 03401
28,0 cm

1/1

118 08 03402
28,0 cm

1/2

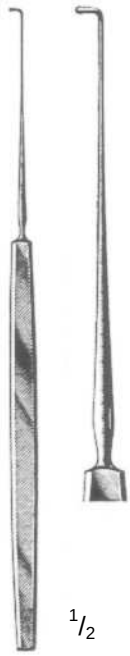
CUSHING
18,0 cm

1/1

118 08 03601
18,0 cm

1/1

118 08 03602
18,0 cm



1/2

1/1

118 29 0060
17,0 cm

1/2

1/1

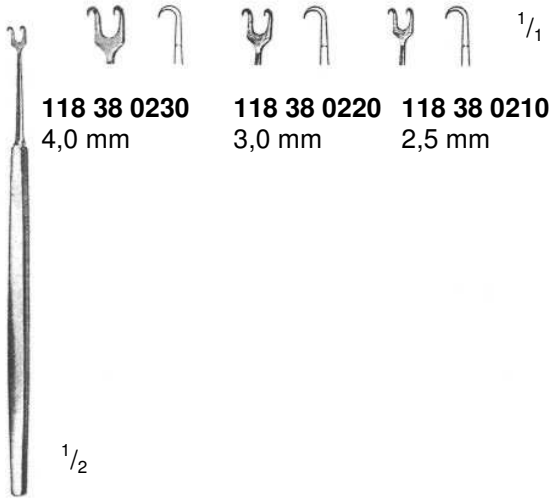
GRAHAM
118 41 06116
16,0 cm

1/2

1/1

SACHS
118 41 06418
18,0 cm

Háky



118 38 0230
4,0 mm

118 38 0220
3,0 mm

118 38 0210
2,5 mm

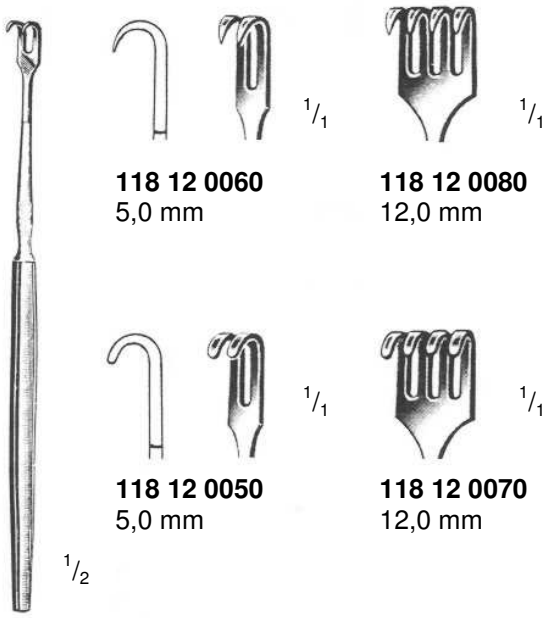
13,5 cm

118 38 0360
5,0 mm

14,5 cm

118 38 0370
10,0 mm

15,0 cm



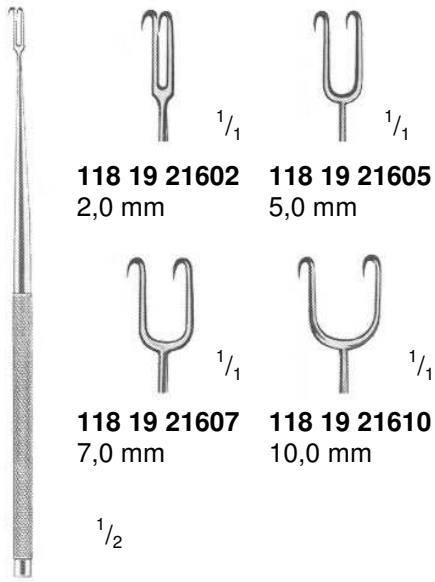
118 12 0060
5,0 mm

118 12 0080
12,0 mm

118 12 0050
5,0 mm

118 12 0070
12,0 mm

16,0 cm



118 19 21602
2,0 mm

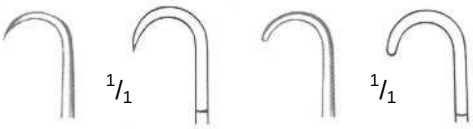
118 19 21605
5,0 mm

118 19 21607
7,0 mm

118 19 21610
10,0 mm

JOSEPH
16,0 cm

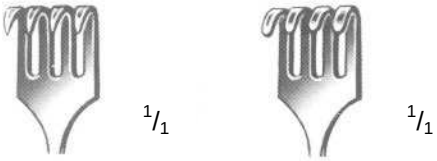
Háky



118 08 0010 **118 08 0050**

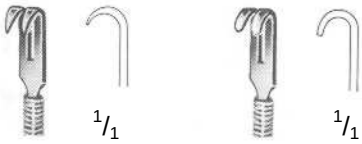
118 08 0020 **118 08 0060**

118 19 22003 **118 19 22103**

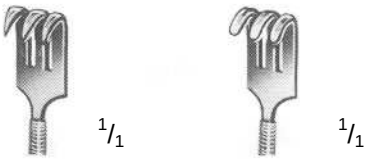


16,0 cm **118 19 22004** **118 19 22104**

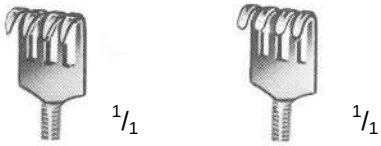
pružný



118 19 22602 **118 19 22702**



118 19 22603 **118 19 22703**



118 19 22604 **118 19 22704**

16,0 cm

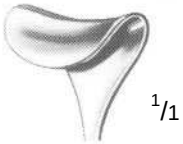
DESMARRES
14,0 cm

118 38 0010
10,0 mm

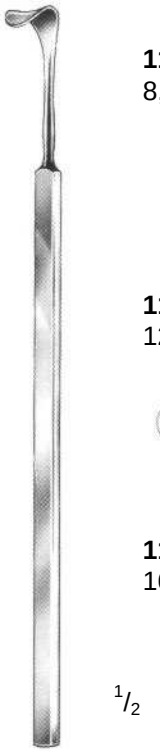
118 38 0020
12,0 mm

118 38 0030
14,0 mm

118 08 09016
16,0 mm



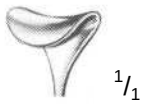
118 08 09018
18,0 mm



CUSHING
20,0 cm

118 19 23208
8,0 mm

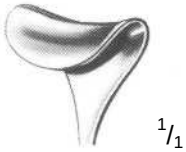
118 19 23210
10,0 mm



118 19 23212
12,0 mm

118 19 23214
14,0 mm

118 19 23216
16,0 mm



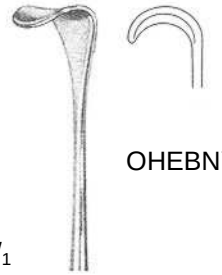
118 19 23218
18,0 mm

Háky

OHEBNÉ

1/2

GIL-VERNET
24,0 cm



OHEBNÝ

1/1

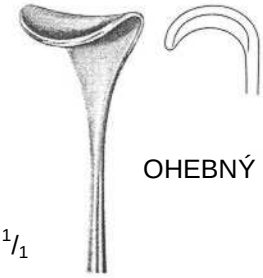
118 19 23308
8,0 mm

OHEBNÝ

118 19 23311
11,0 mm

OHEBNÝ

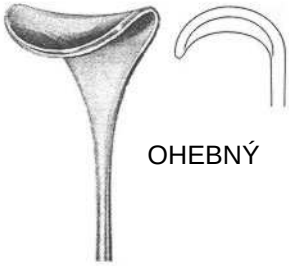
118 19 23315
15,0 mm



OHEBNÝ

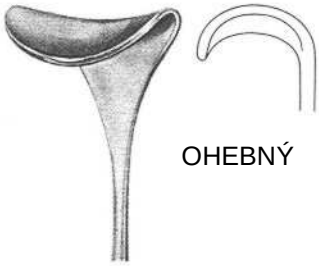
1/1

118 19 23317
17,0 mm



OHEBNÝ

118 19 23320
20,0 mm



OHEBNÝ

118 19 23323
23,0 mm

1/2

LANGENBECK-MINI
16,0 cm

1/1

118 08 08610
10 × 6 mm

1/1

118 08 08617
17 × 5 mm

1/1

118 08 08620
20 × 6 mm

1/1

118 08 08622
22 × 8 mm

1/2

CUSHING
24,0 cm

1/1

118 08 10208
8,0 mm

1/1

118 08 10210
10,0 mm

1/1

118 08 10212
12,0 mm

1/1

118 08 10214
14,0 mm

1/1

118 08 10216
16,0 mm

1/1

118 08 10218
18,0 mm

Háky

1/2

VOLKMANN
22,0 cm

1/2

118 08 0350
2 zuby

118 08 16003
3 zuby

118 08 0390
4 zubů

1/1

1/2

118 08 0360
2 zuby

118 08 16203
3 zuby

118 08 0400
4 zubů

1/1

1/2

118 08 0410
6 zubů

1/2

118 08 16008
8 zubů

1/1

1/2

118 08 0420
6 zubů

1/2

118 08 16208
8 zubů

1/1

1/1

118 08 0330

1/1

118 08 0310

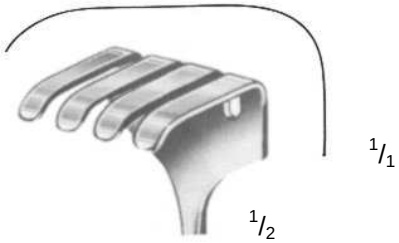
1/1

118 08 0320

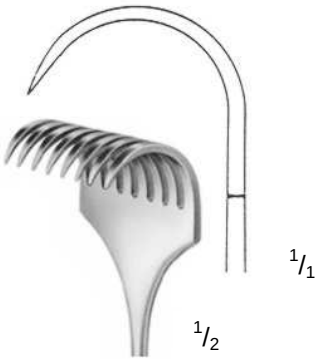
1/1

118 08 0340

Háky

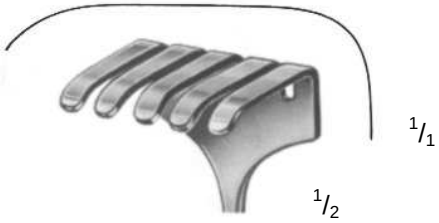


118 08 0530
40 × 35 mm

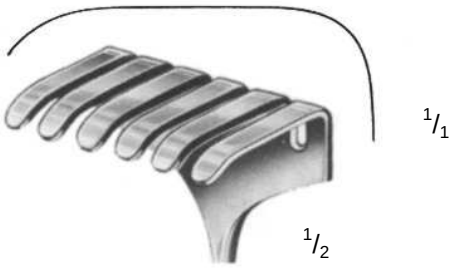


118 19 36608
40 × 30 mm
8 zubů

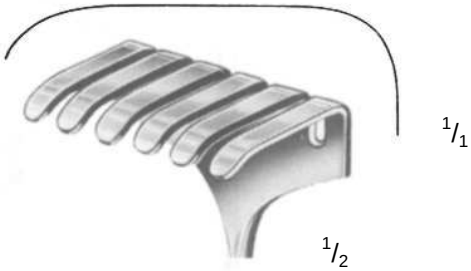
ISRAEL
25,0 cm



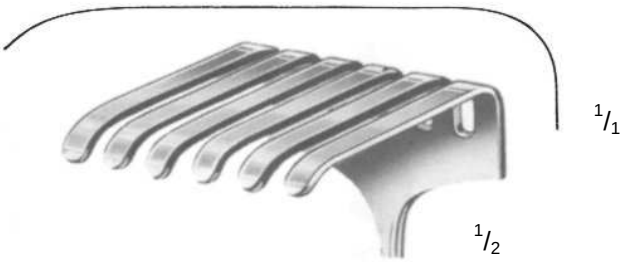
118 19 36450
45 × 50 mm



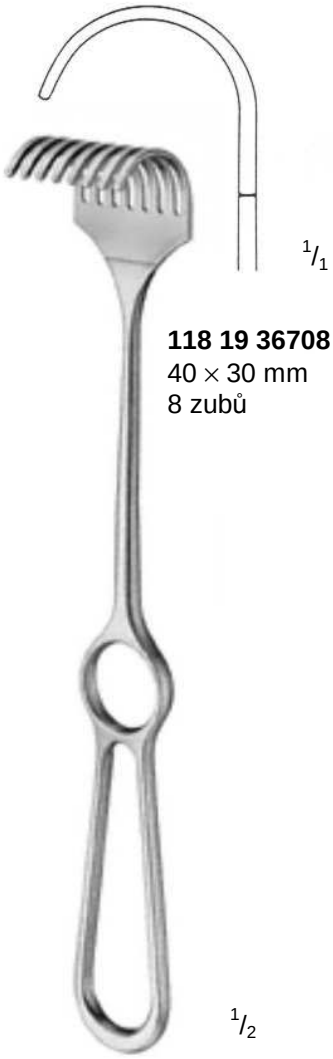
118 08 0540
45 × 70 mm



118 19 36460
50 × 60 mm



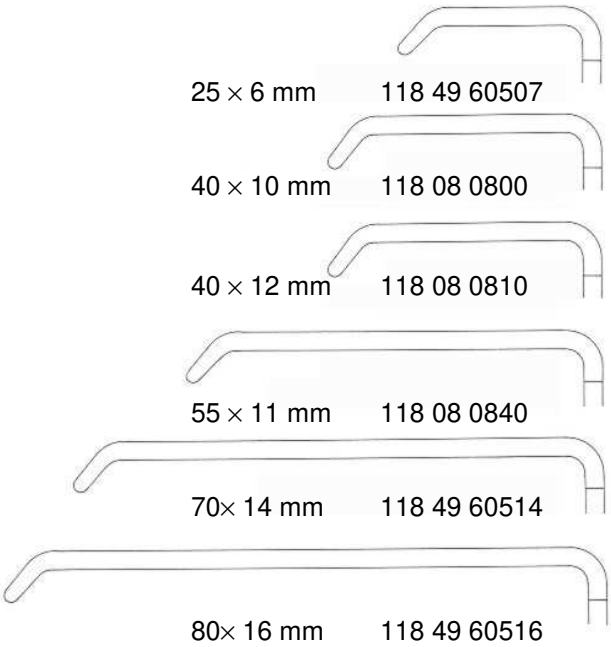
118 19 36470
70 × 70 mm



118 19 36708
40 × 30 mm
8 zubů

KOERTE
23,5 cm

Háky



25 × 6 mm 118 49 60507

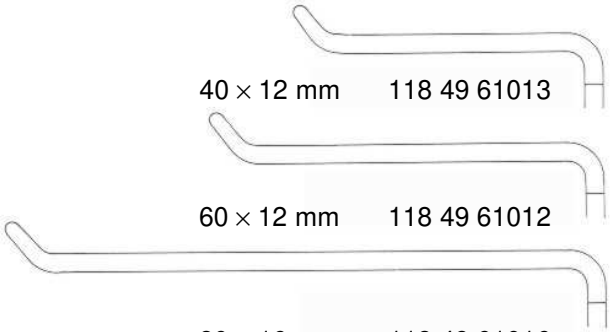
40 × 10 mm 118 08 0800

40 × 12 mm 118 08 0810

55 × 11 mm 118 08 0840

70× 14 mm 118 49 60514

80× 16 mm 118 49 60516



40 × 12 mm 118 49 61013

60 × 12 mm 118 49 61012

80 × 16 mm 118 49 61016

1/2

LANGENBECK
21,0 cm

1/2

OBWEGESER
22,0 cm

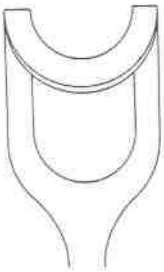
Háky

1/2

MIDDELDORPF

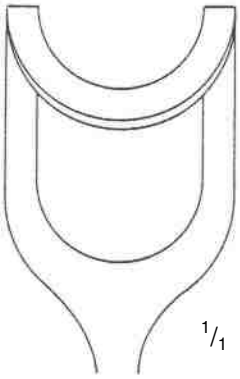
1/1

118 08 0650
š. 14 mm
dl. 215 mm



1/1

118 08 0660
š. 22 mm
dl. 220 mm

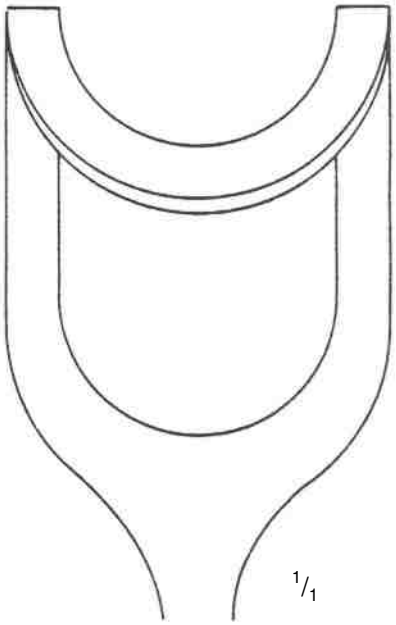


1/1

118 08 0670
š. 30 mm
dl. 235 mm

1/2

MIDDELDORPF
118 08 0680
255 mm



1/1

š. 50 mm
dl. 255 mm

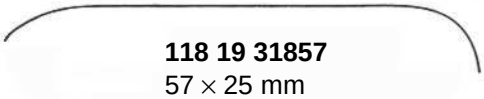
Háky

KOCHER
24,0 cm

1/2

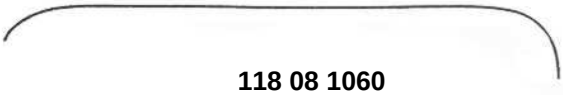
118 08 1050
40 × 35 mm

1/1



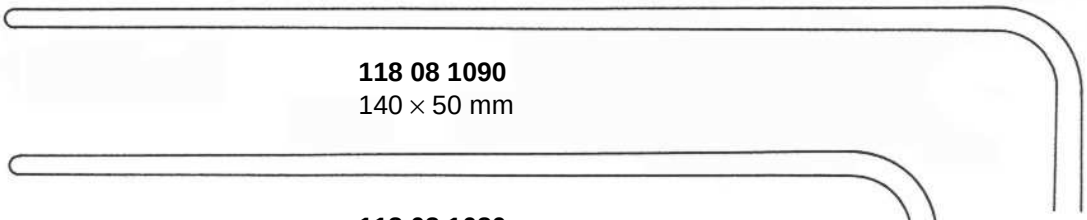
118 19 31857
57 × 25 mm

1/1

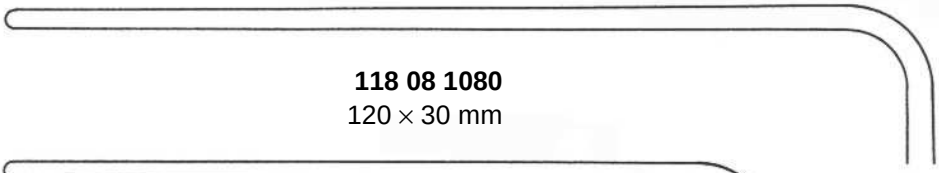


118 08 1060
70 × 35 mm

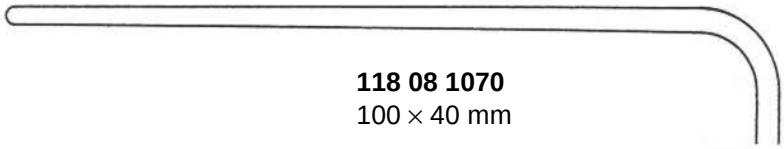
1/1



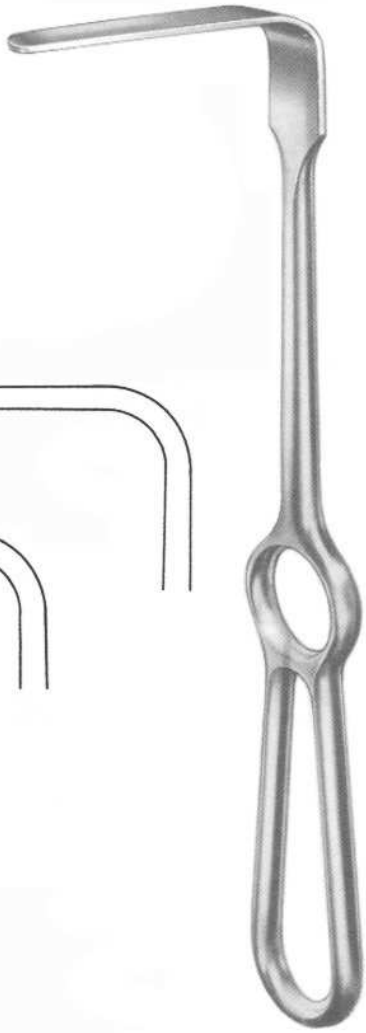
118 08 1090
140 × 50 mm



118 08 1080
120 × 30 mm



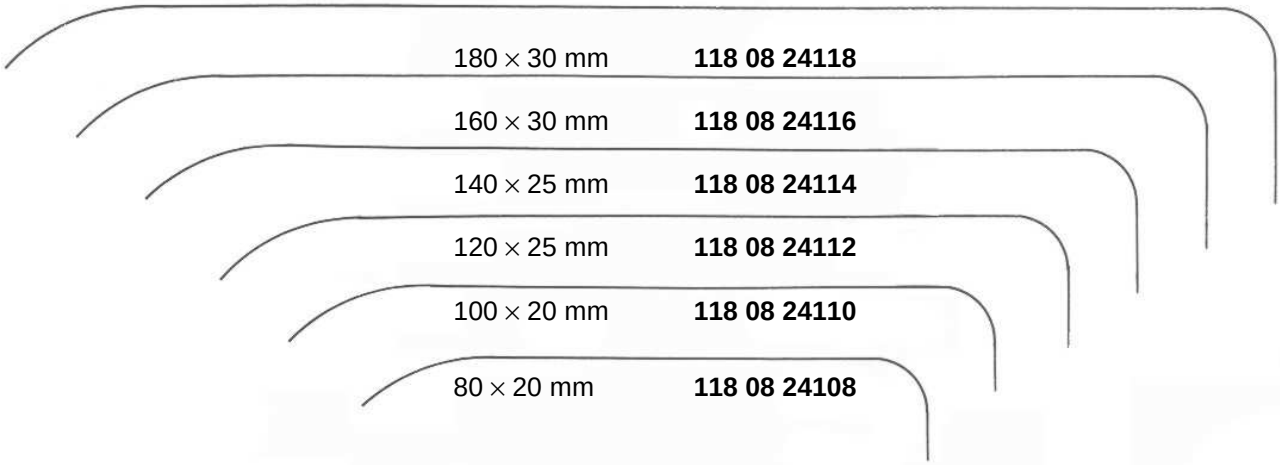
118 08 1070
100 × 40 mm



BRUNNER
25,0 cm

1/2

Háky

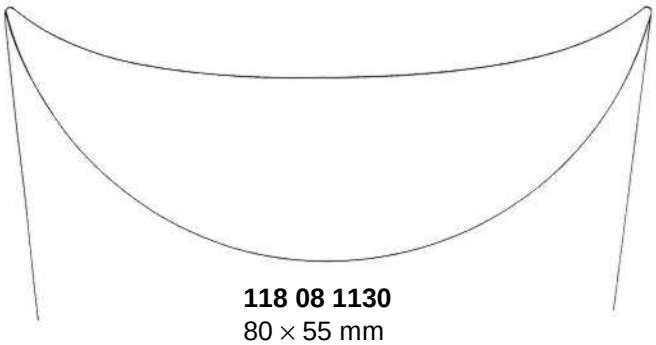


180 × 30 mm	**118 08 24118**
160 × 30 mm	**118 08 24116**
140 × 25 mm	**118 08 24114**
120 × 25 mm	**118 08 24112**
100 × 20 mm	**118 08 24110**
80 × 20 mm	**118 08 24108**

1/2

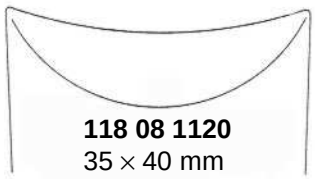
BRUNNER
25,0 cm

Háky



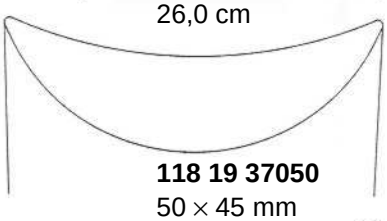
118 08 1130
80 × 55 mm
27,0 cm

1/1



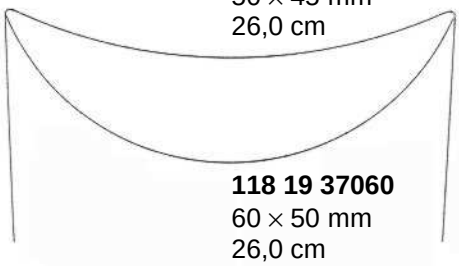
118 08 1120
35 × 40 mm
26,0 cm

1/1



118 19 37050
50 × 45 mm
26,0 cm

1/1



118 19 37060
60 × 50 mm
26,0 cm

1/1

1/2

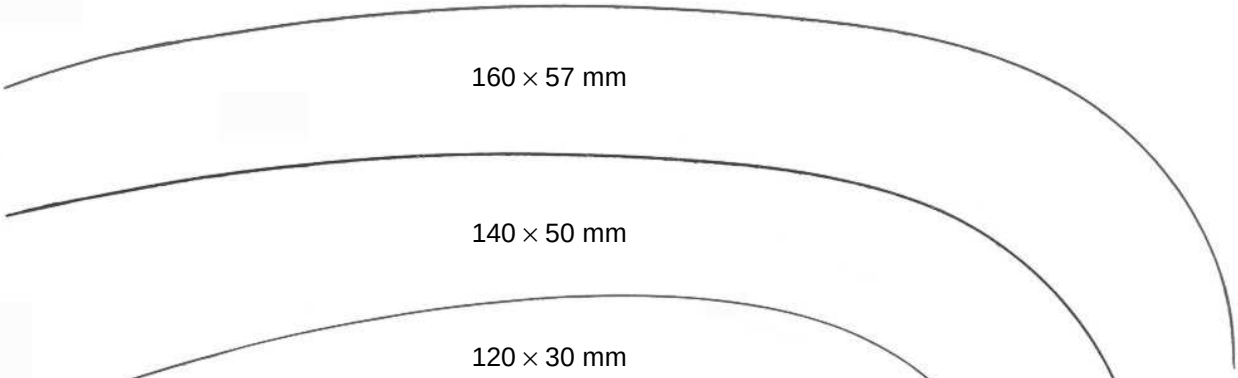
FRITSCH

1/2

KOCHER

118 19 37222	70 × 25 mm	22,0 cm
118 08 0550	80 × 40 mm	25,0 cm
118 08 0560	80 × 50 mm	25,0 cm
118 19 37465	80 × 60 mm	25,0 cm

Háky



1/1

1/1

1/1

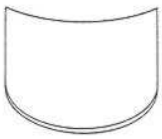
1/2

1/1

KOCHER
22,0 cm

118 19 34010
40 × 10 mm

118 19 34015
40 × 15 mm



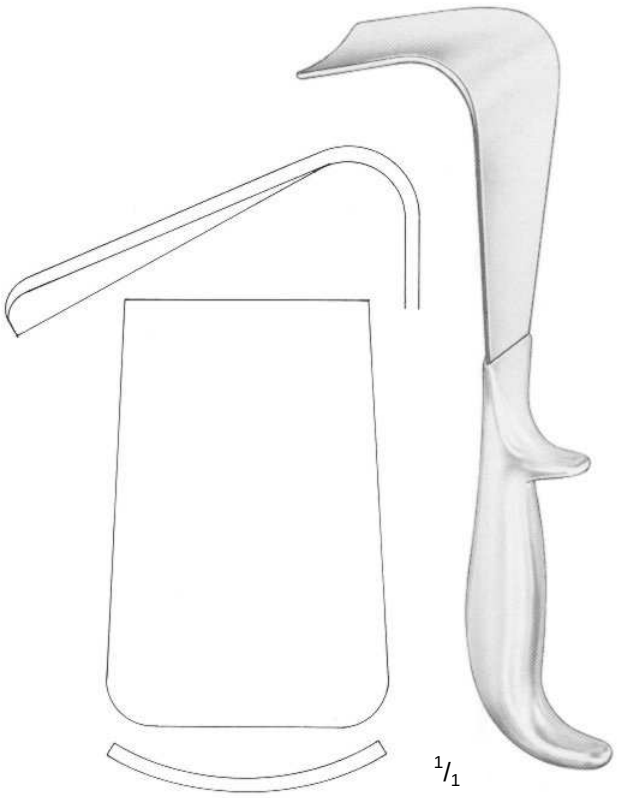
1/1

118 19 34020
40 × 20 mm

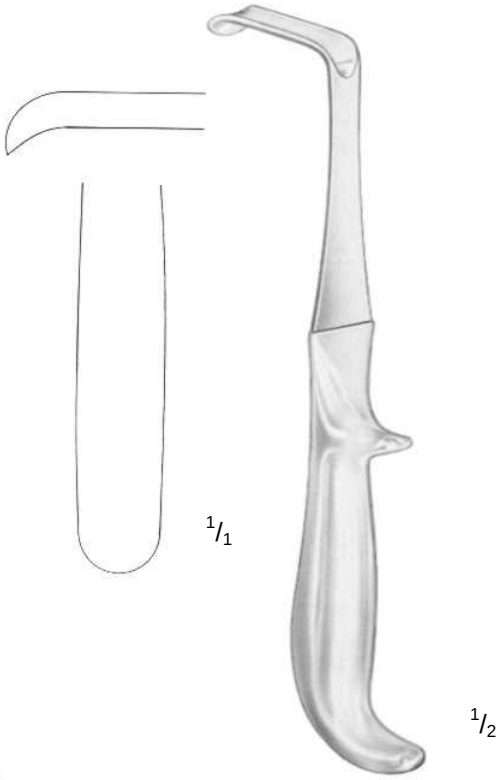
MIKULICZ

118 08 1100	120 × 30 mm	24,5 cm
118 08 1110	140 × 50 mm	26,0 cm
118 08 29202	160 × 57 mm	27,0 cm
118 08 29204	190 × 57 mm	27,0 cm

Háky



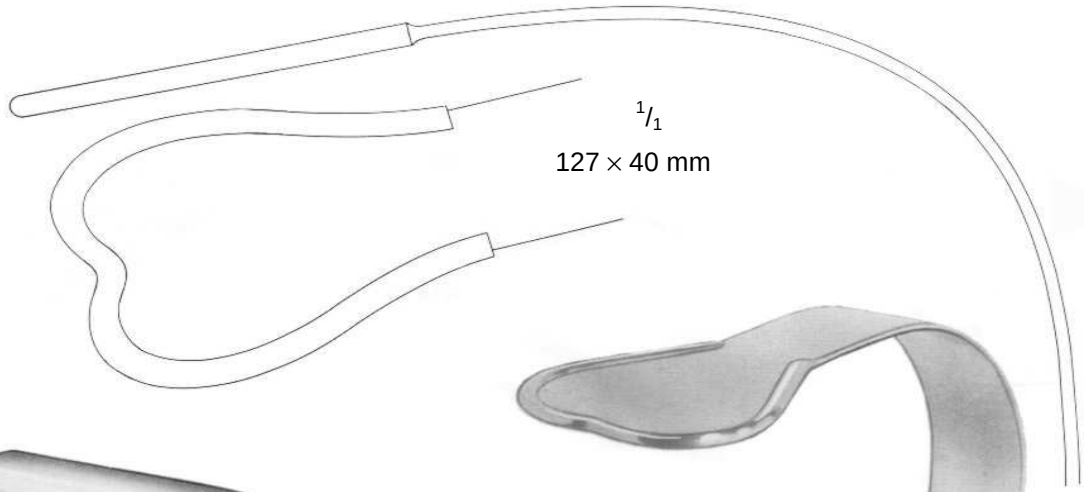
YOUNG
118 67 10322
22,0 cm



YOUNG
118 67 10121
21,0 cm

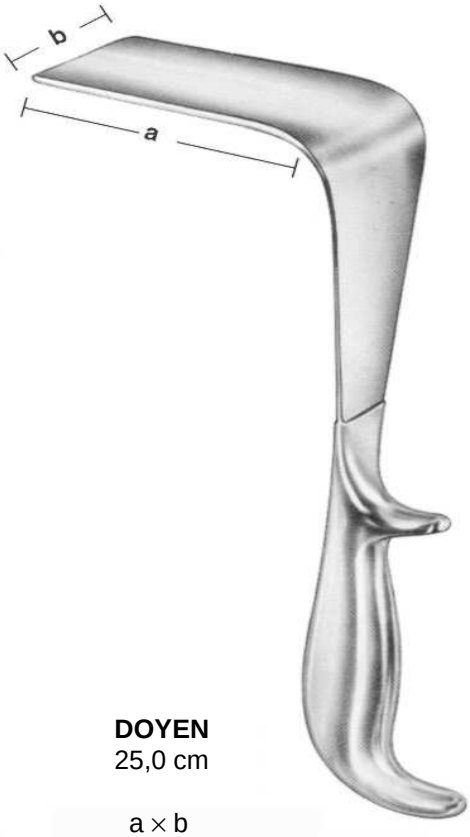
LEGUEU
118 67 14727
27,0 cm

Háky



1/1

127 × 40 mm



1/2

1/1

1/2

DOYEN
25,0 cm

a × b	
55 × 35 mm	**122 71 30101**
85 × 35 mm	**122 71 30102**
115 × 35 mm	**122 71 30103**
55 × 45 mm	**122 71 30301**
85 × 45 mm	**122 71 30302**
115 × 45 mm	**122 71 30303**
160 × 45 mm	**122 71 30304**
55 × 60 mm	**122 71 30501**
85 × 60 mm	**122 71 30502**
115 × 60 mm	**122 71 30503**
160 × 60 mm	**122 71 30504**

HARRINGTON
32,0 cm

127 × 40 mm	**118 19 19140**
127 × 62 mm	**118 19 19162**
175 × 64 mm	**118 08 28464**

Háky

DEAVER	**DEAVER**	**DEAVER**	**DEAVER**	**DEAVER**	**DEAVER**
118 19 18019	**118 19 18122**	**118 19 18125**	**118 19 18325**	**118 19 18525**	**118 19 18725**
19 × 180 mm	22 × 215 mm	25 × 230 mm	25 × 300 mm	25 × 330 mm	25 × 360 mm

Háky

DEAVER
118 19 18738
38 × 300 mm

DEAVER
118 19 18750
50 × 300 mm

DEAVER
118 19 18775
75 × 300 mm

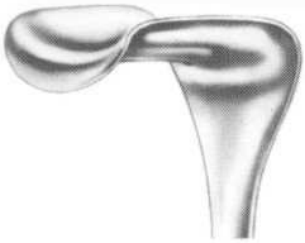
Háky

118 08 24701
28 × 20 mm

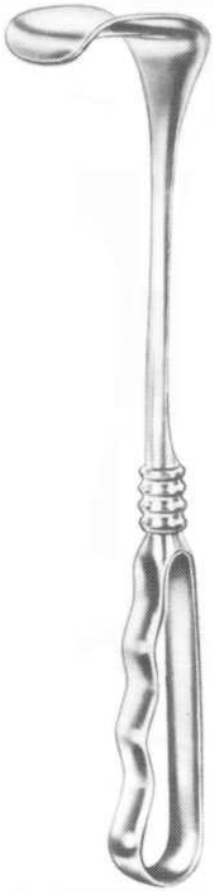
118 08 24702
36 × 28 mm

118 08 24703
44 × 38 mm

118 08 24704
52 × 22 mm



118 08 24705
65 × 50 mm

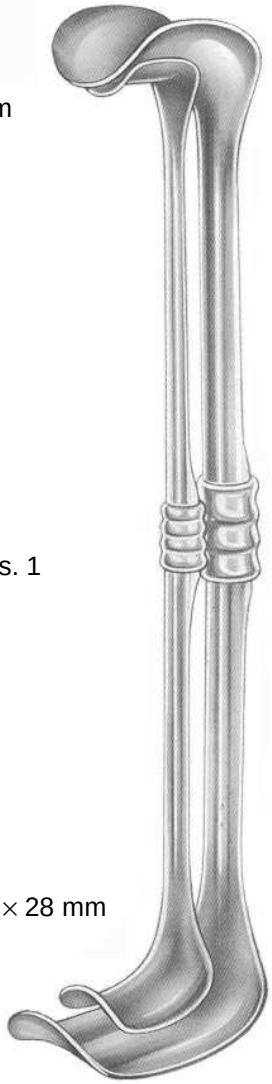


28 × 20 mm

$^1/_2$

RICHARDSON
24,0 cm

49 × 38 mm



Pos. 1

Pos. 2

36 × 28 mm

$^1/_2$

63 × 49 mm

RICHARDSON-EASTMAN

	sada	**118 08 24800**
Pos. 1	26,0 cm	**118 08 24801**
Pos. 2	28,0 cm	**118 08 24802**

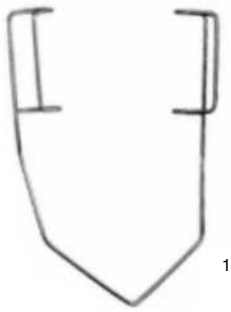
3B instruments

lékařské nástroje

119

Rozvěrače

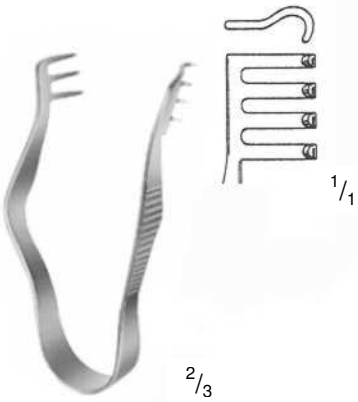
Rozvěrače

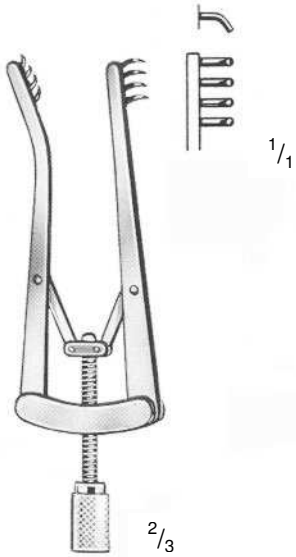


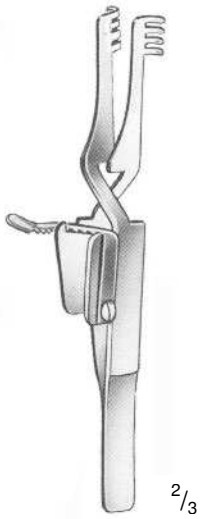
BARRAQUER
119 43 10104
4,0 cm

MUELLER
119 43 13507
7,0 cm

GRAEFE
119 43 10907
7,0 cm
119 43 10909
9,0 cm







FINSEN

	ostrý	tupý
5,0 cm	**119 08 50005**	**119 08 50105**
7,0 cm	**119 19 61007**	**119 19 61107**

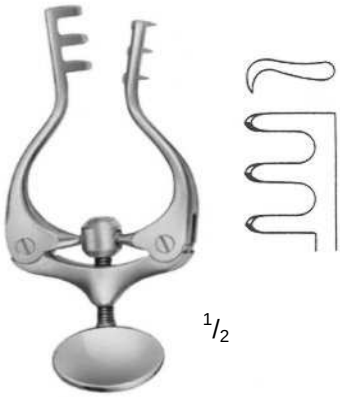
ALM

	ostrý	tupý
7,0 cm	**119 19 62007**	**119 19 62107**
10,0 cm	**119 19 62010**	**119 19 62110**

HOLZHEIMER

	ostrý	tupý
10,0 cm	**119 19 63410**	**119 19 63510**

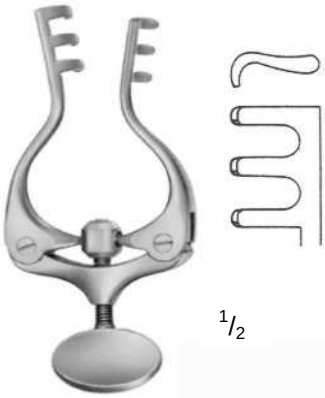
Rozvěrače



1/1

1/2

JANSEN
ostrý
119 19 63010
10,0 cm



1/1

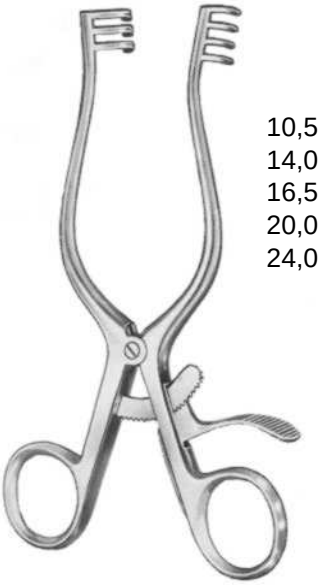
1/2

JANSEN
tupý
119 19 63110
10,0 cm

1/2

WULLSTEIN

	ostrý	tupý
10,5 cm	**119 08 54410**	**119 08 54510**
13,0 cm	**119 08 54413**	**119 08 54513**
16,0 cm	**119 08 54416**	**119 08 54516**



1/2

WEITLANER

		ostrý	tupý
10,5 cm	2 × 3 zuby	**119 19 65010**	**119 19 65110**
14,0 cm	3 × 4 zuby	**119 19 67014**	**119 19 67114**
16,5 cm	3 × 4 zuby	**119 19 67016**	**119 19 67116**
20,0 cm	3 × 4 zuby	**119 19 67020**	**119 19 67120**
24,0 cm	3 × 4 zuby	**119 19 67024**	**119 19 67124**

Rozvěrače

20 × 8 mm

1/2

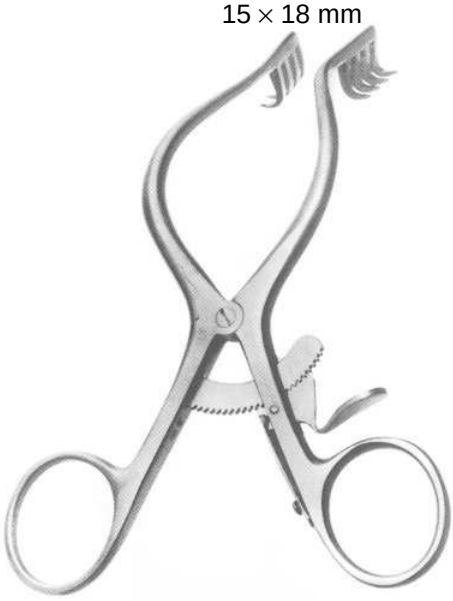
PLESTER
119 19 67311
11,0 cm

20 × 8 mm

1/2

PLESTER
119 19 67211
11,0 cm

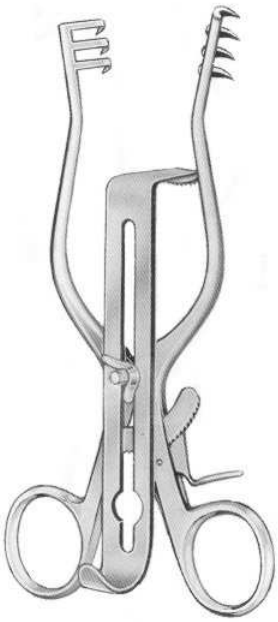
15 × 18 mm



1/2

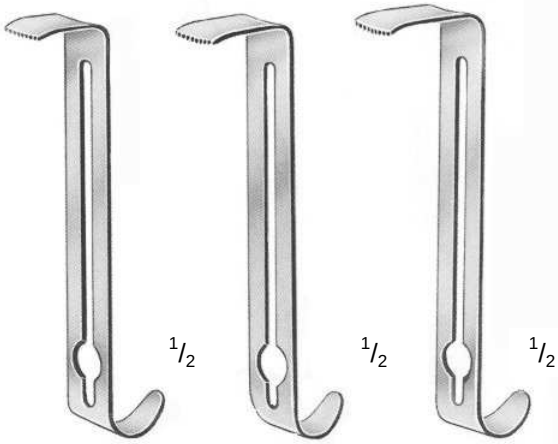
MOLLISON
119 19 67415
15,0 cm
ostrý

18 × 20 mm



1/2

HENLEY-komplet
ostrý **119 19 67600**
tupý **119 19 67500**
16,5 cm



1/2 1/2 1/2

16 × 19 mm 16 × 25 mm 16 × 32 mm

35 × 16 mm

1/2

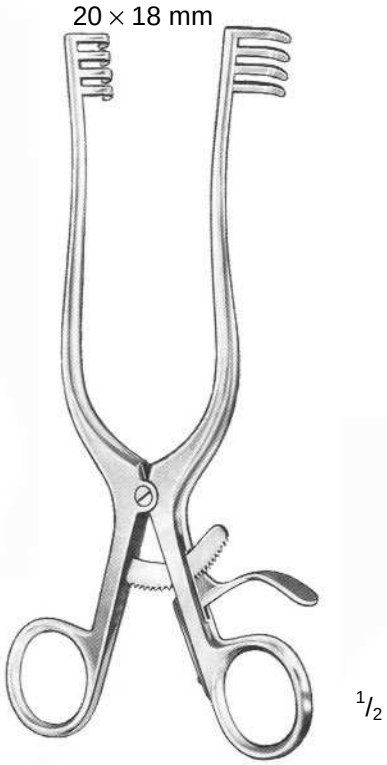
MAYO-ADAMS
119 08 59617
17,0 cm

Rozvěrače

MISKIMON

ostrý	tupý
119 08 55222	**119 08 55322**

22,0 cm



ADSON

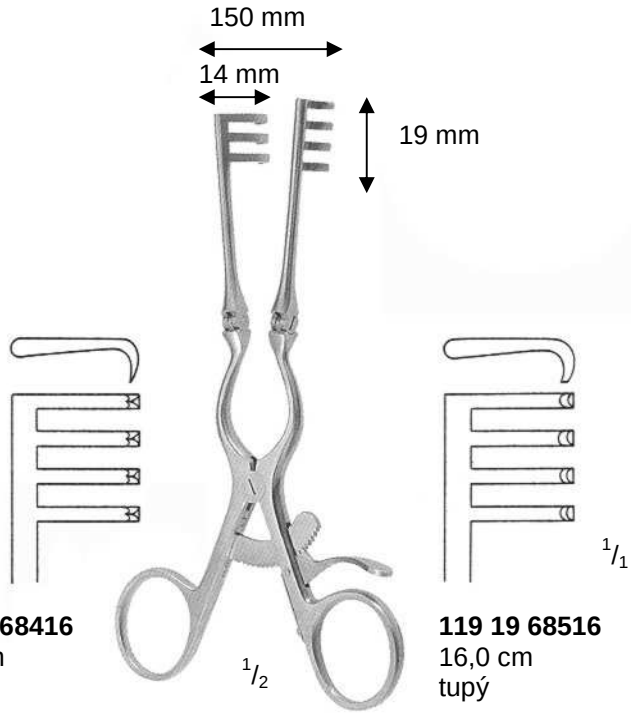
ostrý	tupý
119 19 68019	**119 19 68119**

19,0 cm

ANDERSON-ADSON

ostrý	tupý
119 19 67920	**119 08 55720**

19,5 cm

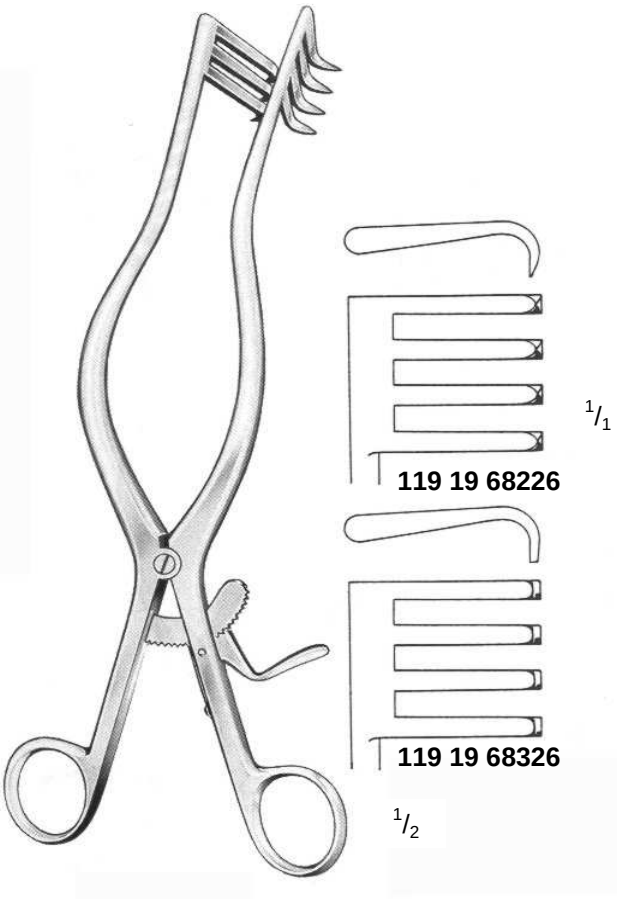


119 19 68416
16,0 cm
ostrý

119 19 68516
16,0 cm
tupý

ADSON BABY
16,0 cm

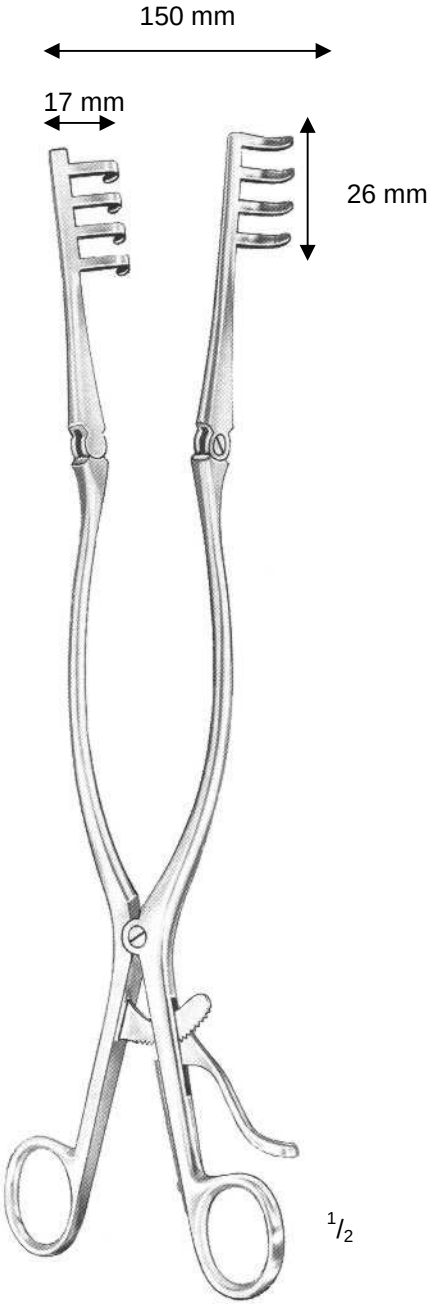
Rozvěrače



ADSON
26,5 cm

ADSON
119 19 68632
32,0 cm

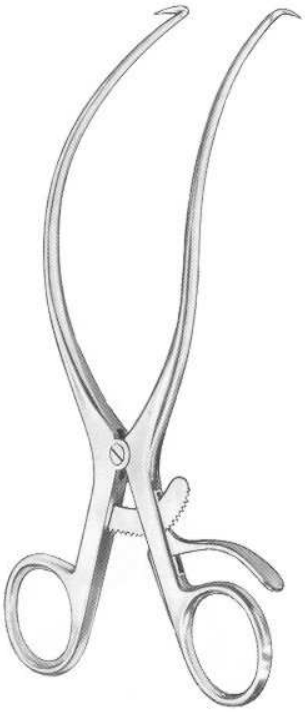
Rozvěrače



BECKMANN
119 19 69031
31,0 cm

BECKMANN-EATON
119 19 69232
32,0 cm

Rozvěrače



1/2

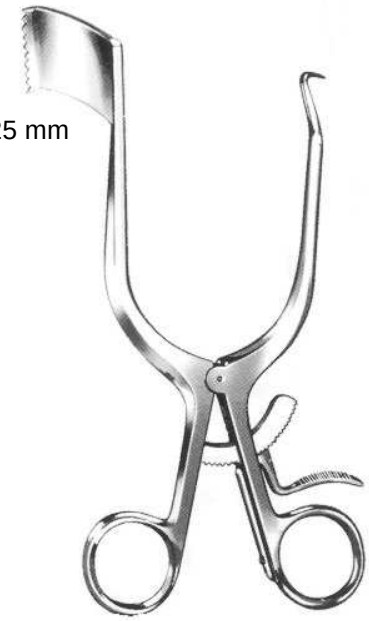
GELPI

9,0 cm	**119 19 80209**
11,0 cm	**119 19 80211**
14,0 cm	**119 19 80214**
16,0 cm	**119 19 80216**
18,0 cm	**119 19 80218**

1/2

GELPI
119 19 80418
19,0 cm

55 × 25 mm



1/2

MARKHAM-MEYERDING
119 08 58301
18,0 cm

50 × 25 mm

1/2

WALTON
119 08 59901
18,0 cm

50 × 25 mm

1/2

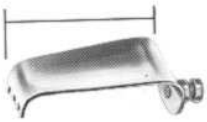
WALTON
119 08 59902
18,0 cm

55 × 25 mm

1/2

MARKHAM-MEYERDING
119 08 58302
18,0 cm

Rozvěrače



119 19 71040 40,0 mm

119 19 71045 45,0 mm

119 19 71050 50,0 mm

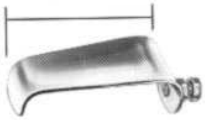
119 19 71055 55,0 mm

119 19 71060 60,0 mm

$^1/_1$

$^1/_2$

CLOWARD
119 19 71000 komplet
119 19 71001 rozvěrač
25,0 cm



119 19 71140 40,0 mm

119 19 71145 45,0 mm

119 19 71150 50,0 mm

119 19 71155 55,0 mm

119 19 71160 60,0 mm

$^1/_1$

$^1/_2$

CLOWARD
119 19 71100 komplet
119 19 71101 rozvěrač
16,0 cm

Rozvěrače

119 19 74540
40,0 mm

119 19 74545
45,0 mm

119 19 74550
50,0 mm

119 19 7455
55,0 mm

119 19 74560
60,0 mm

119 19 74565
65,0 mm

119 19 74570
70,0 mm

1/2

CASPAR
119 19 74400 komplet
119 19 74417 rozvěrač

119 19 74840 40,0 mm
119 19 74845 45,0 mm
119 19 74850 50,0 mm
119 19 74855 55,0 mm
119 19 74860 60,0 mm
119 19 74865 65,0 mm
119 19 74870 70,0 mm
119 19 74875 75,0 mm
119 19 74885 85,0 mm

CASPAR

Rozvěrače

57 × 25 mm 70 × 38 mm

1/2

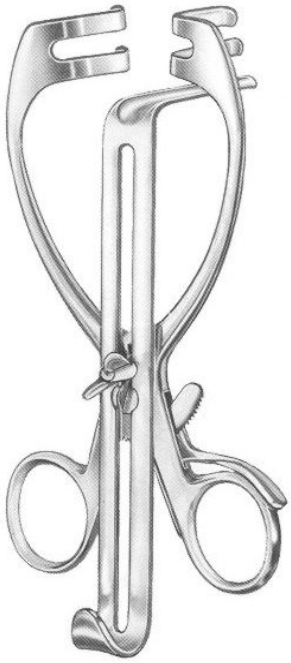
DARLING
119 19 69818
18,0 cm

70 × 38 mm 57 × 25 mm

1/2

DARLING
119 19 69618
18,0 cm

40 × 16 mm



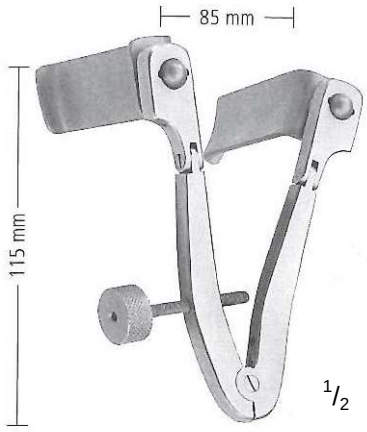
1/2

MAYO-ADAMS
119 08 59817
17,0 cm

1/2

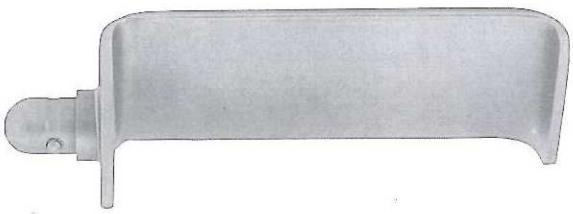
CASPAR
119 19 72115 rozvěrač
16,5 cm
119 19 72100 komplet
(119 19 72045 – 119 19 72065))
Lopatky na následující straně katalogu

Rozvěrače

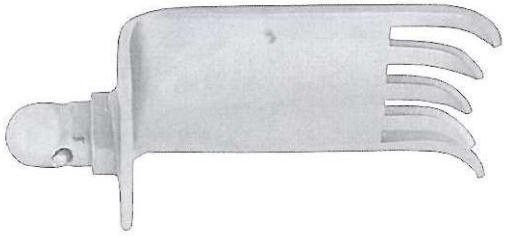


CASPAR
119 08 55701 samostatný rozvěrač

Lopatky nutno koupit jednotlivě



45 × 23 mm	**119 19 72045**
50 × 23 mm	**119 19 72050**
55 × 23 mm	**119 19 72055**
60 × 23 mm	**119 19 72060**
65 × 23 mm	**119 19 72065**



40 × 23 mm	**119 19 72440**
45 × 23 mm	**119 19 72445**
50 × 23 mm	**119 19 72450**
55 × 23 mm	**119 19 72455**
60 × 23 mm	**119 19 72460**

40 × 23 mm	**119 19 72540**
45 × 23 mm	**119 19 72545**
50 × 23 mm	**119 19 72550**
55 × 23 mm	**119 19 72555**
60 × 23 mm	**119 19 72560**

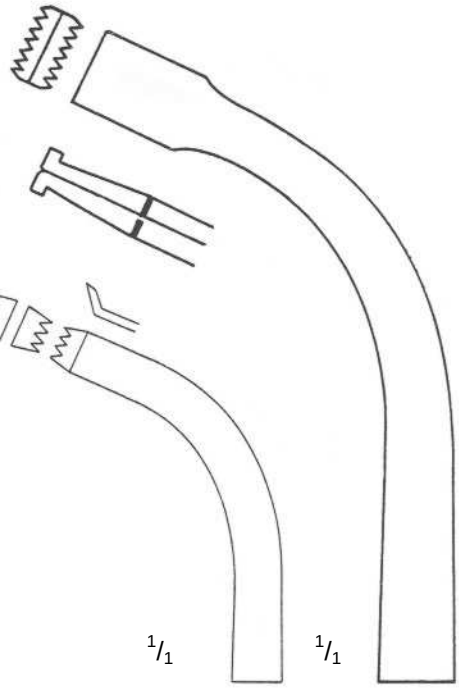
Rozvěrače

1/1

1/2

CLOWARD
119 41 40116
16,0 cm

INGE

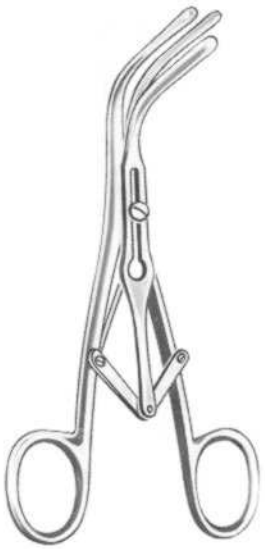


1/1 1/1

1/2

119 41 40517
17,0 cm

119 41 40527
27,0 cm



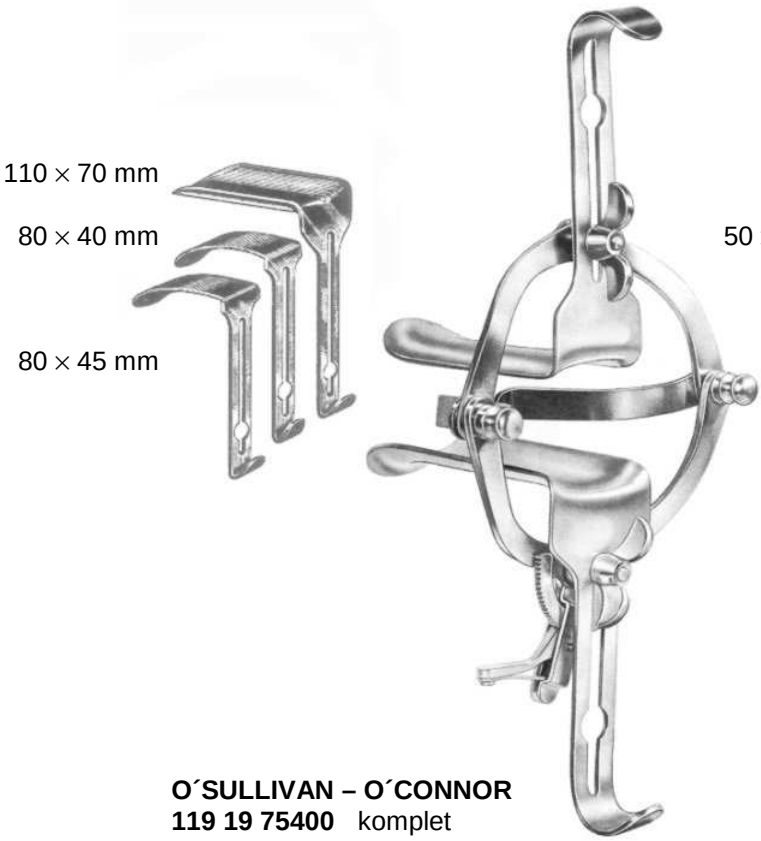
1/2

LAMBORDE
119 55 11314
14,0 cm

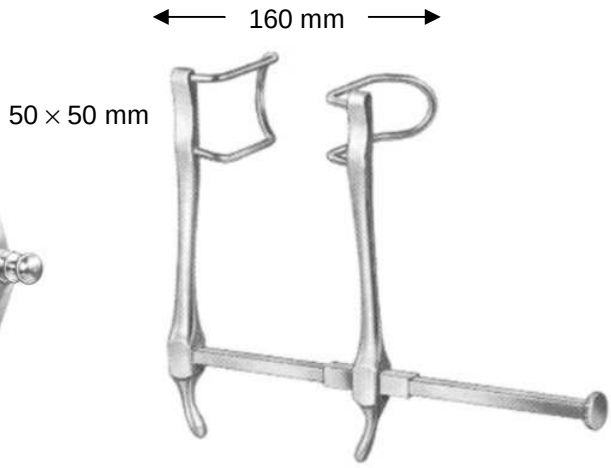
1/2

TROUSSEEAU
119 55 11114
14,0 cm

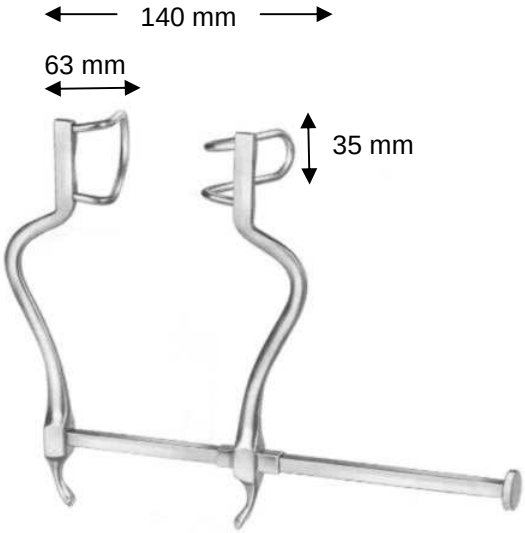
Rozvěrače



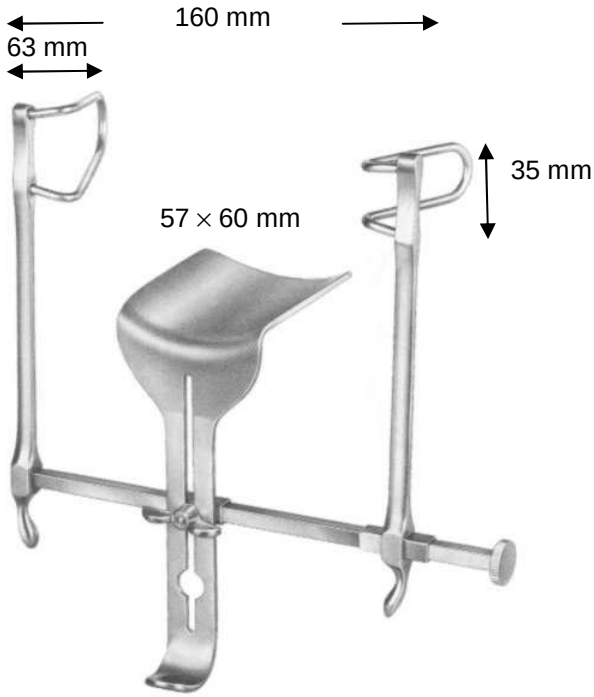
O´SULLIVAN – O´CONNOR
119 19 75400 komplet
maximální šířka 190 mm



GOSSET
119 08 0250

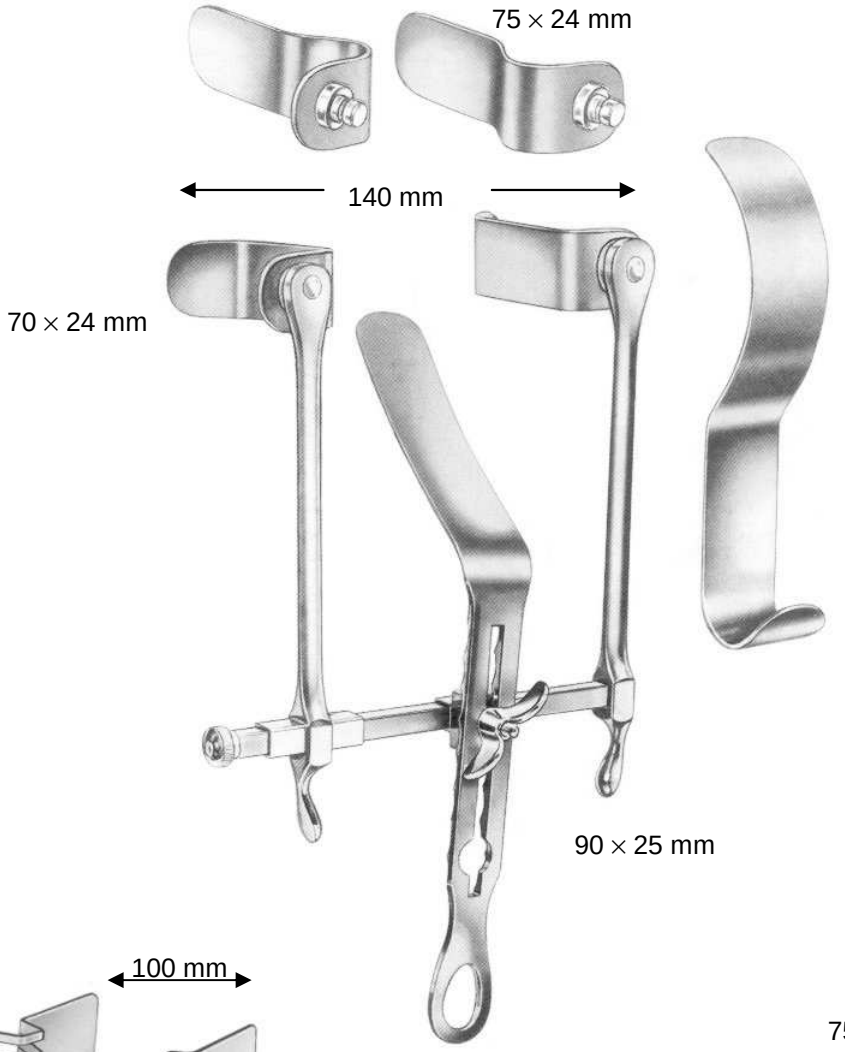


GOSSET
119 19 76014

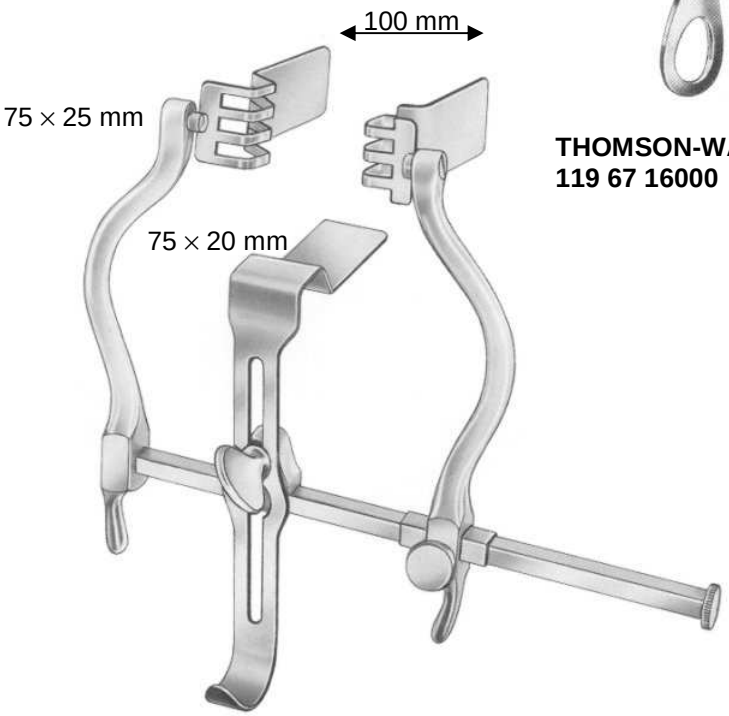


GOSSET
119 19 76216

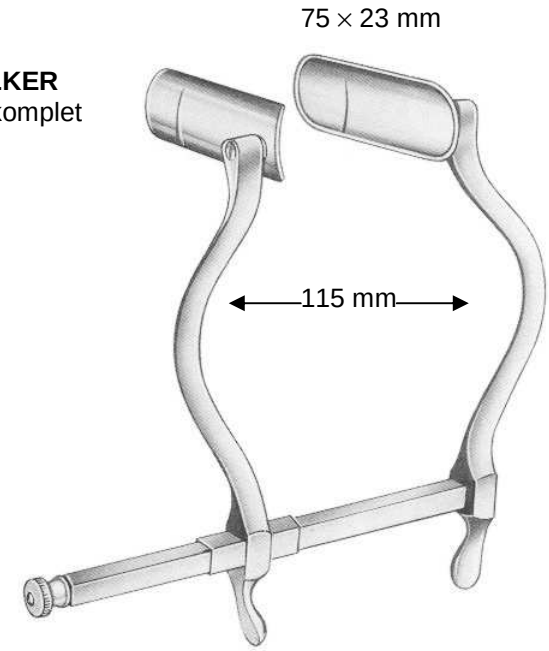
Rozvěrače



THOMSON-WALKER
119 67 16000 komplet



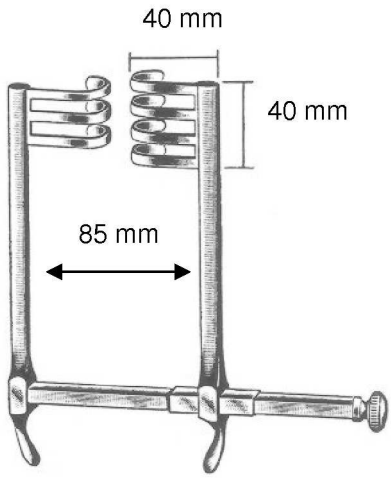
JUDD-MASSON
119 67 15000 komplet



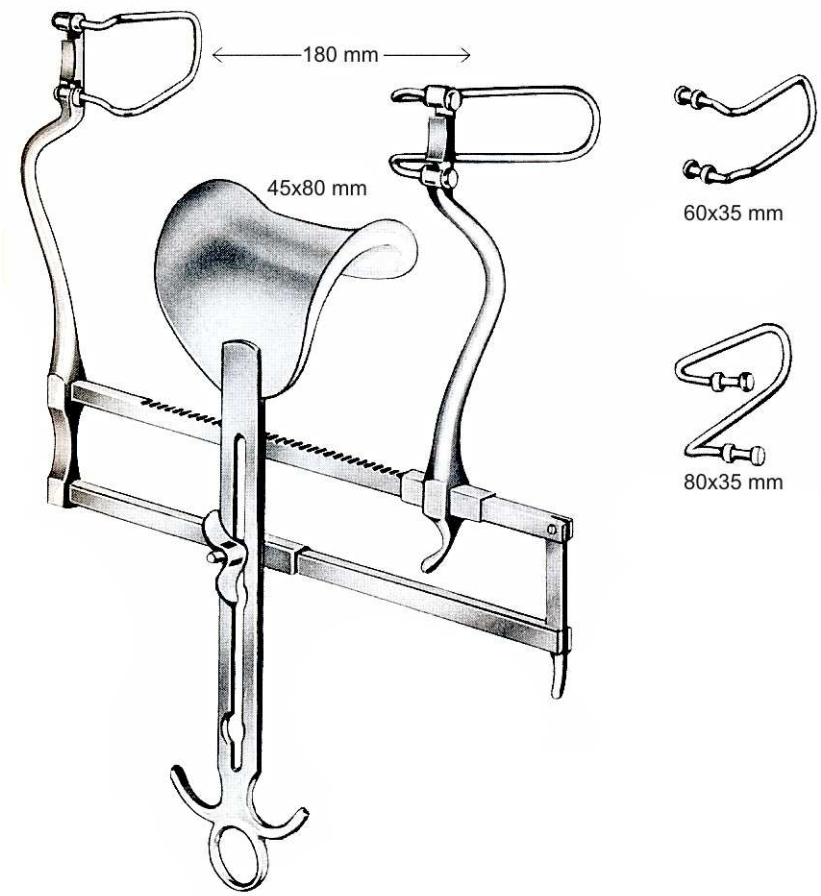
SMIH-BLUIE
119 69 15015

Rozvěrače

BALFOUR-BABY
119 19 76690

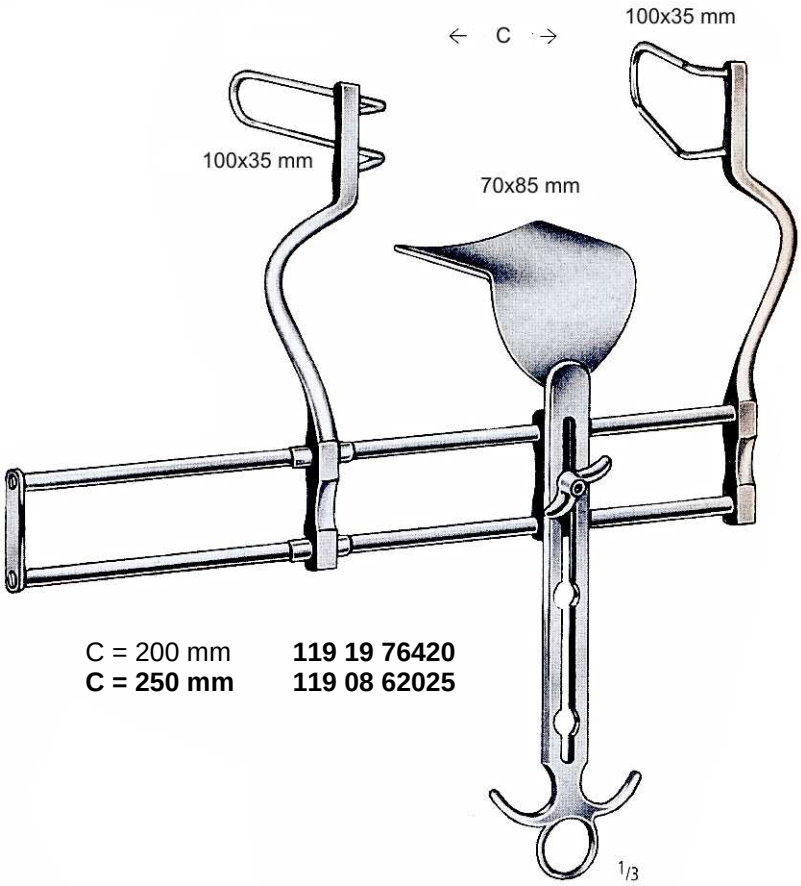


FRAZIER
119 19 75885



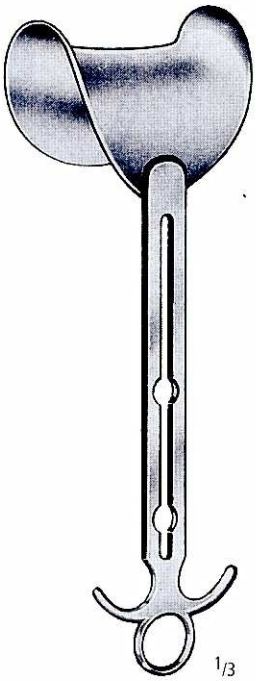
BALFOUR US – komplet se dvěma páry lopatek
119 19 76718

Rozvěrače



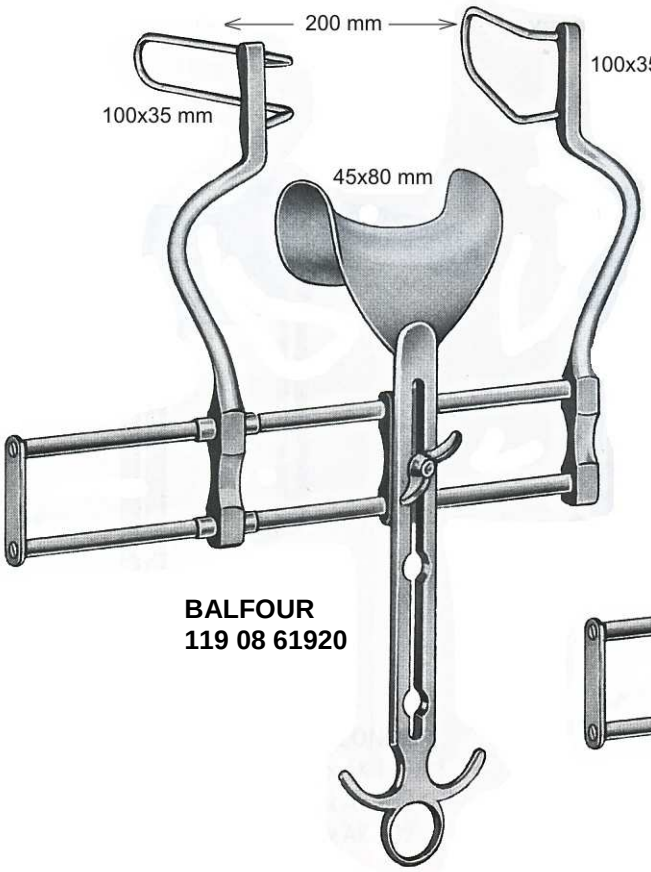
C = 200 mm **119 19 76420**
C = 250 mm **119 08 62025**

119 19 76502
100x70 mm

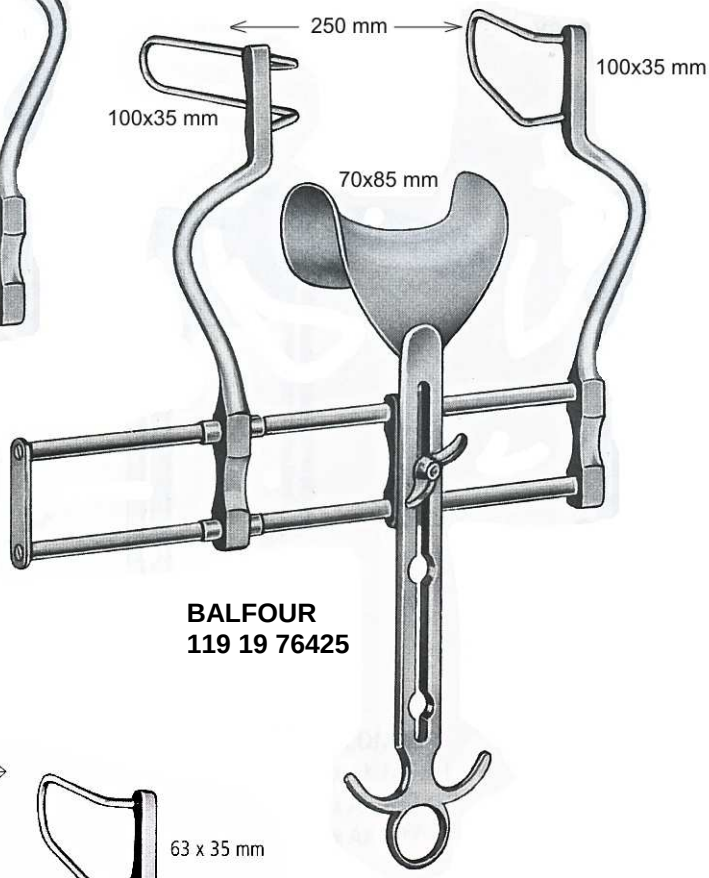


119 19 76501 45x80 mm
119 19 76503 70x85 mm

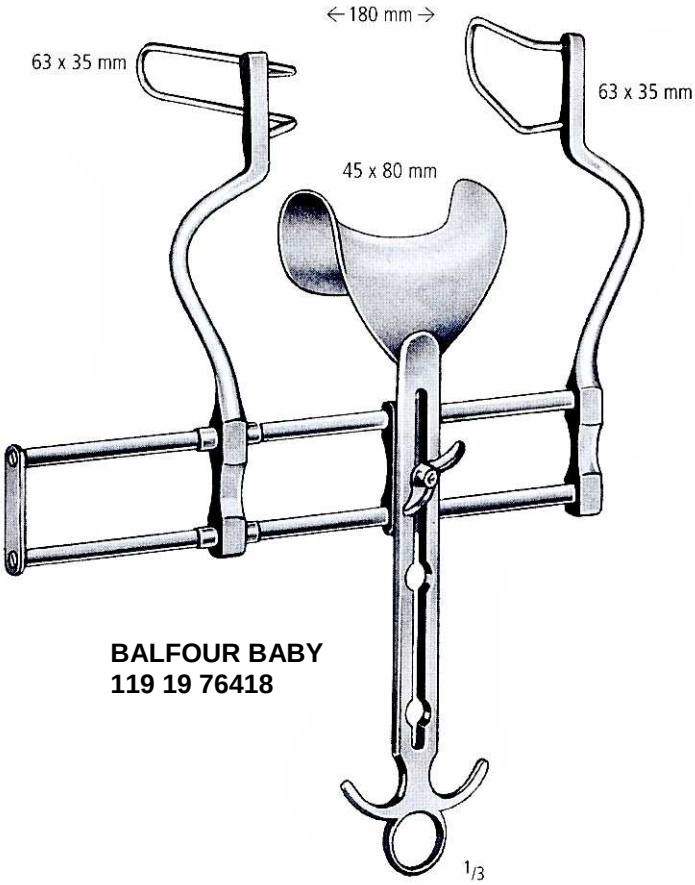
Rozvěrače



BALFOUR
119 08 61920



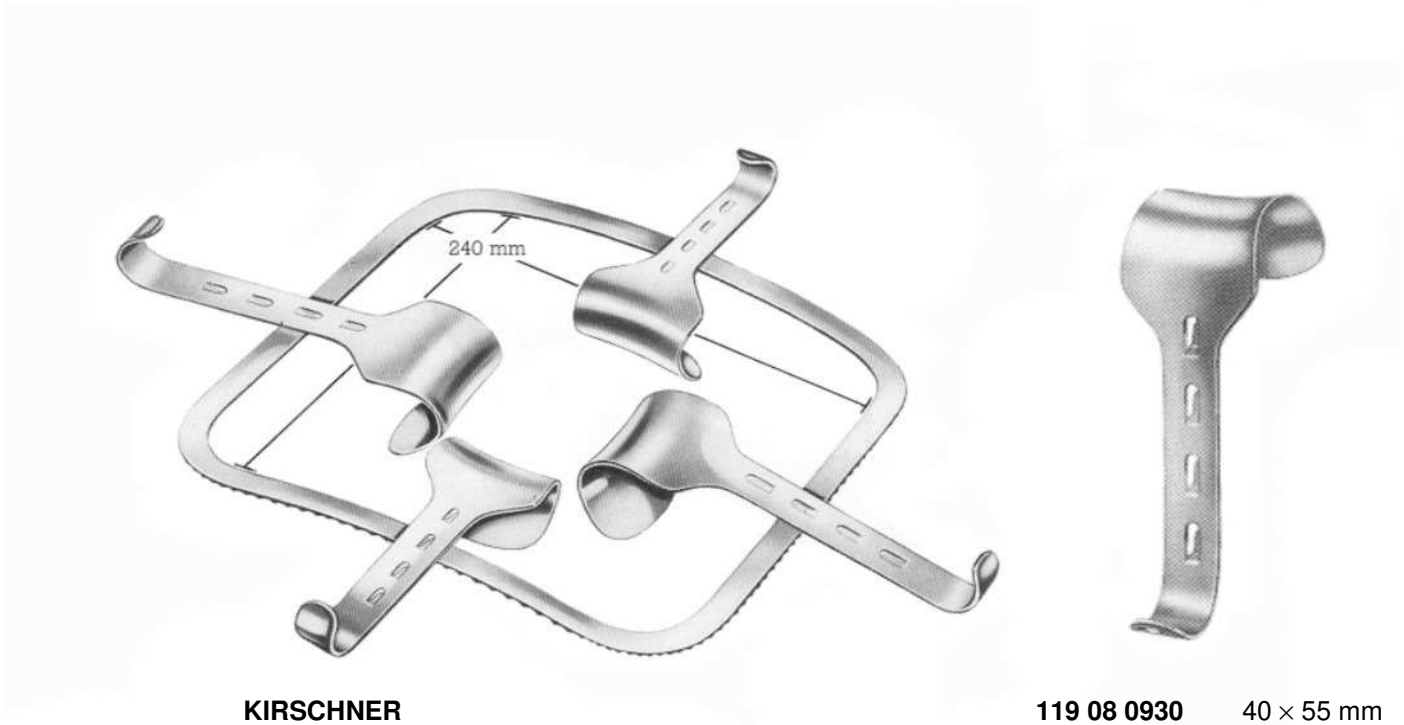
BALFOUR
119 19 76425



BALFOUR BABY
119 19 76418

1/3

Rozvěrače

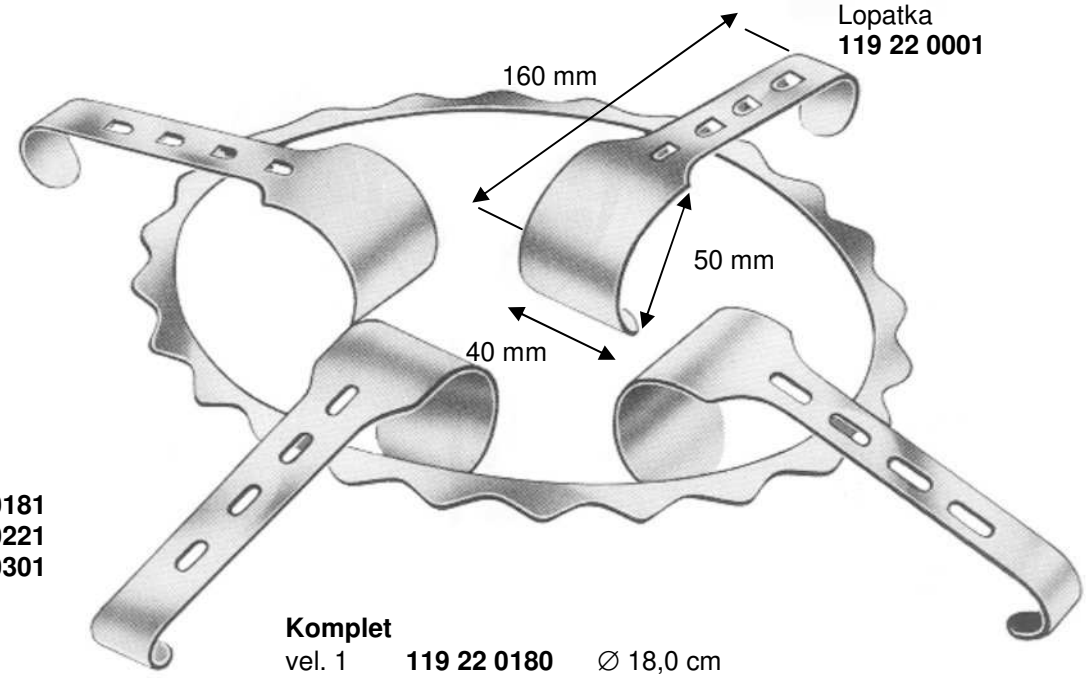


KIRSCHNER

119 08 0450	240 × 240 mm	pouze rám

119 08 0930	40 × 55 mm
119 08 0940	50 × 65 mm
119 08 66178	78 × 65 mm
119 08 66180	80 x 90 mm

Komplet nutno objednat po jednotlivých částech rozvěrače.



Kruh

vel. 1	**119 22 0181**
vel. 2	**119 22 0221**
vel. 3	**119 22 0301**

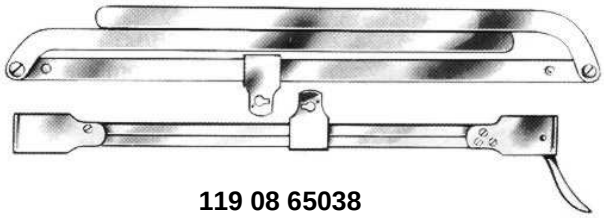
Komplet

vel. 1	**119 22 0180**	∅ 18,0 cm
vel. 2	**119 22 0220**	∅ 22,0 cm
vel. 3	**119 22 0300**	∅ 30,0 cm

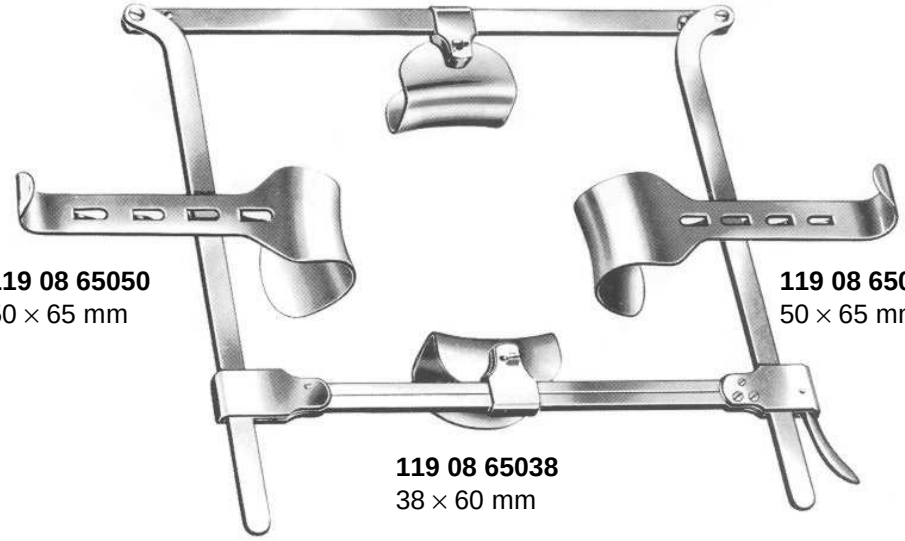
Jiné rozměry lopatek lze dodat po vzájemné dohodě s firmou.

Rozvěrače

119 08 65001
30 × 30 cm



119 08 65038
38 × 60 mm



119 08 65050
50 × 65 mm

119 08 65050
50 × 65 mm

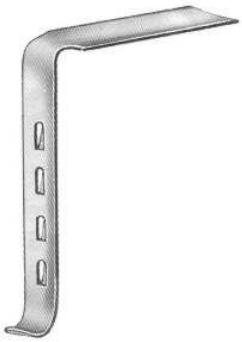
119 08 65038
38 × 60 mm

FRANZ
119 08 65000 komplet

119 08 65560
60 × 85 mm

119 08 65545
45 × 80 mm

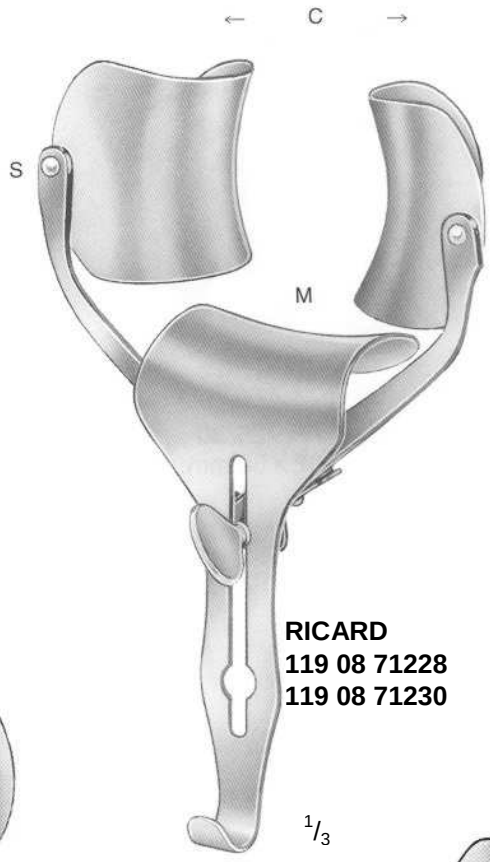
Větší lopatky nutno přiobjednat.
Nejsou obsaženy v kompletu.



119 08 65635
105 × 35 mm

119 08 65650
98 × 50 mm

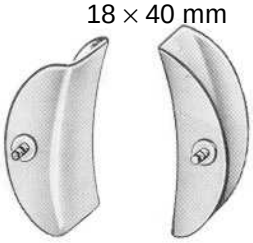
Rozvěrače



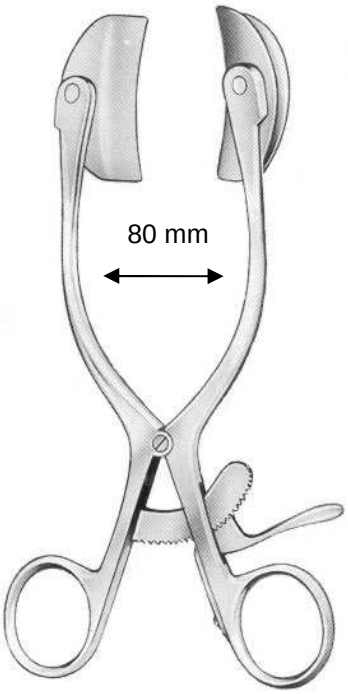
RICARD	S	M	C
119 08 71228	72 × 85 mm	80 × 90 mm	280 mm
119 08 71230	60 × 80 mm	55 × 70 mm	300 mm

1/3

18 × 40 mm



28 × 40 mm

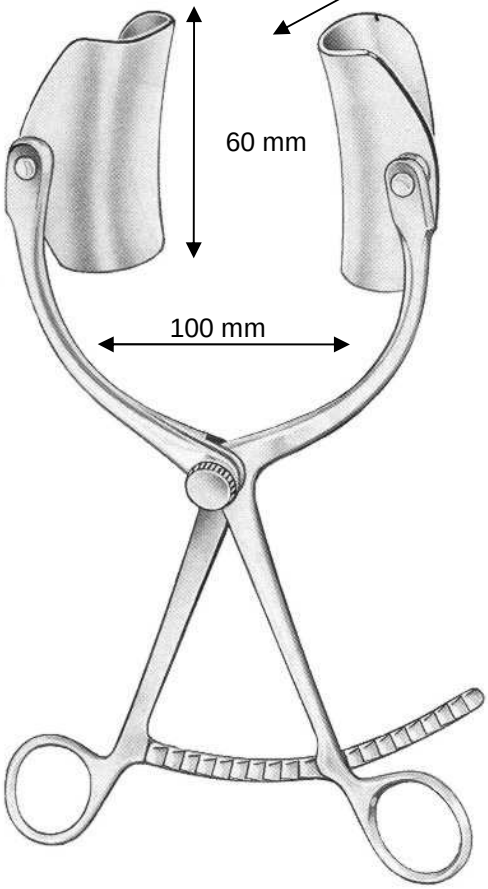


1/2

COLLIN-BABY
119 08 70000 komplet
18,0 cm

38 mm

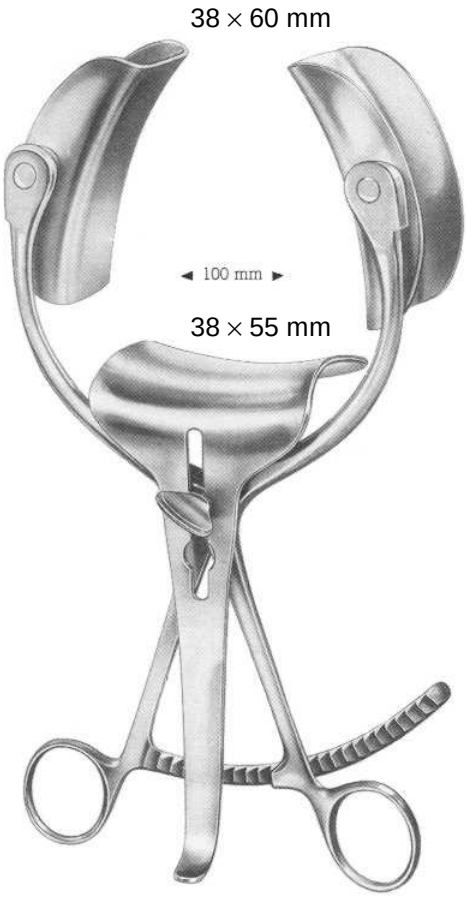
60 mm



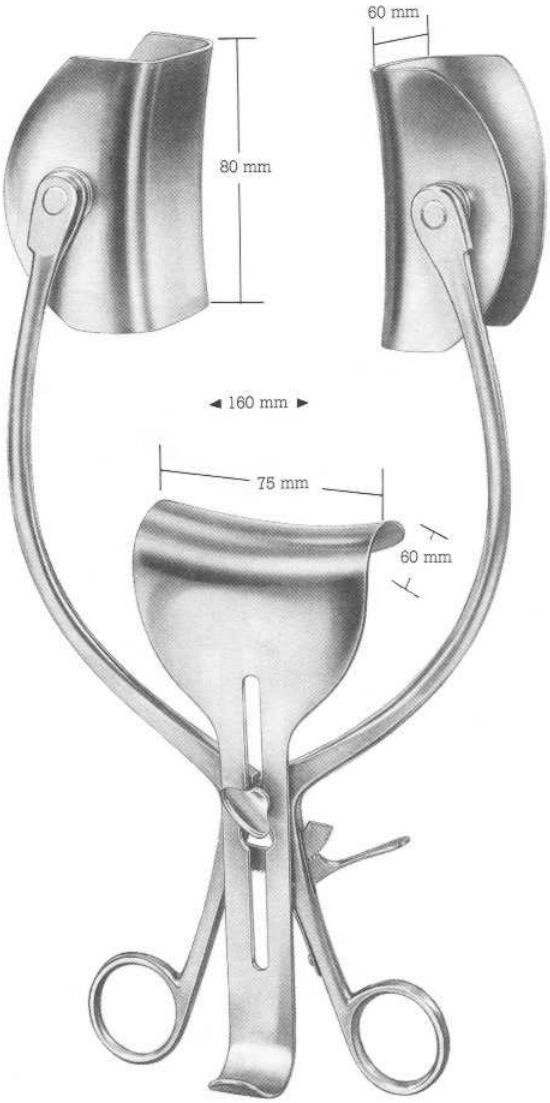
1/2

COLLIN
119 19 81022
22,0 cm

Rozvěrače

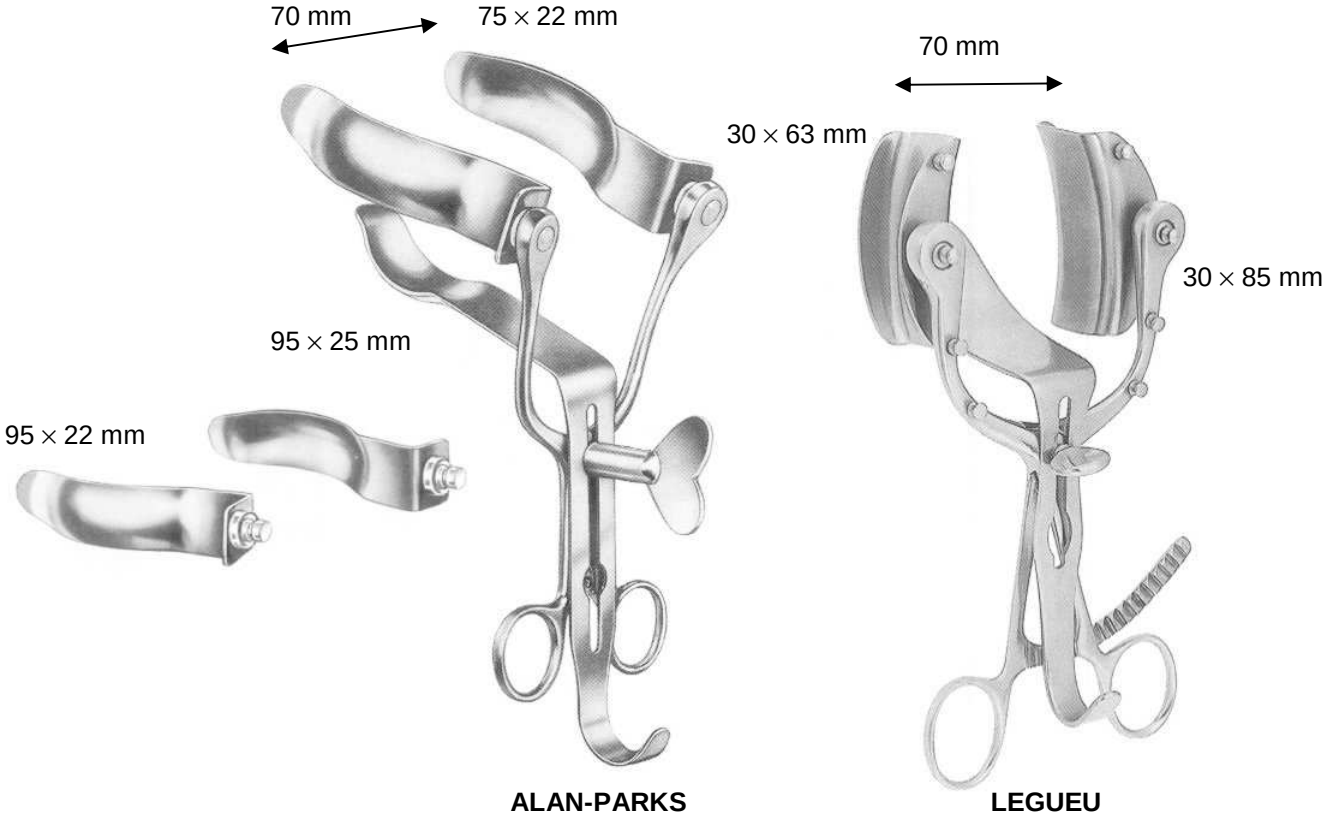


COLLIN
119 19 81260
22,0 cm



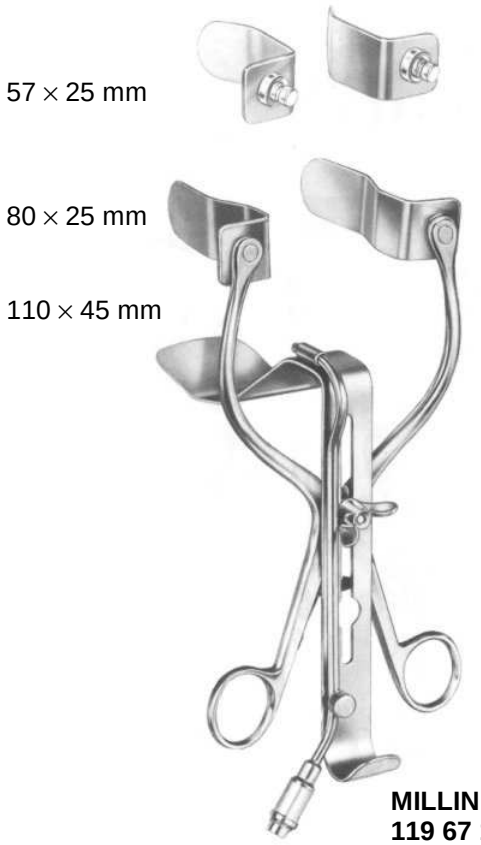
COLLIN-LOKTITE
119 19 81600
26,0 cm

Rozvěrače



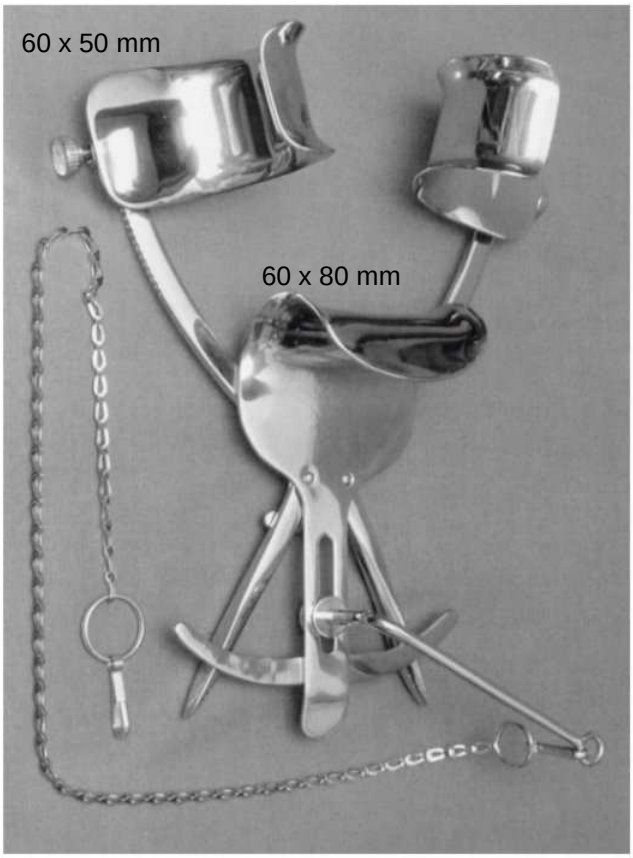
ALAN-PARKS
119 69 14700 komplet
13,5 cm

LEGUEU
119 67 16300
13,5 cm

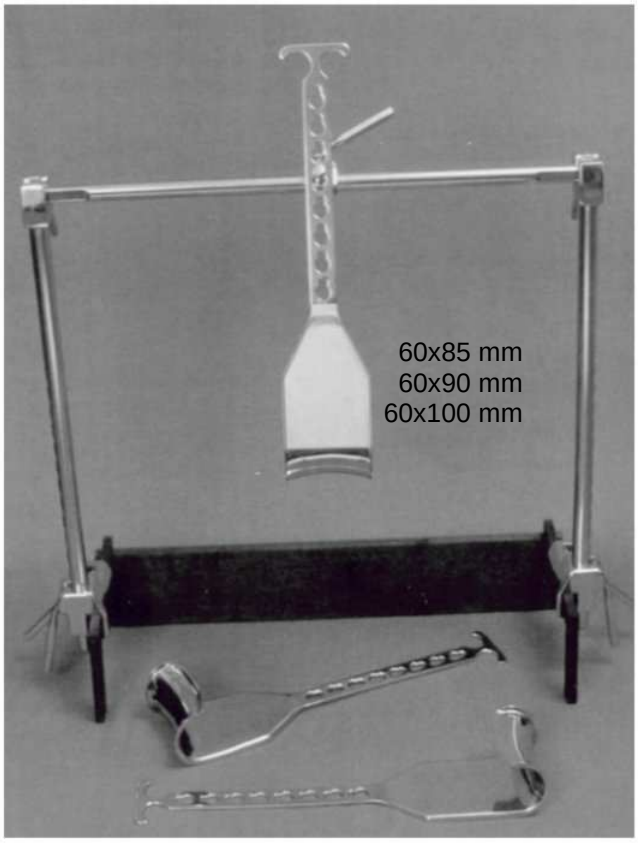


MILLIN
119 67 13000

Rozvěrače



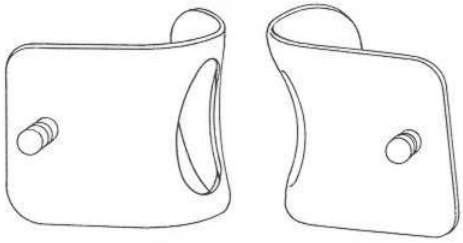
ROZVĚRAČ ŘETÍZKOVÝ
119 27 0001



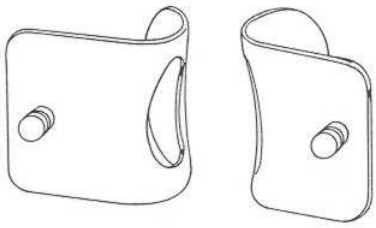
ROCHARD
119 08 0001 komplet

Rozvěrače

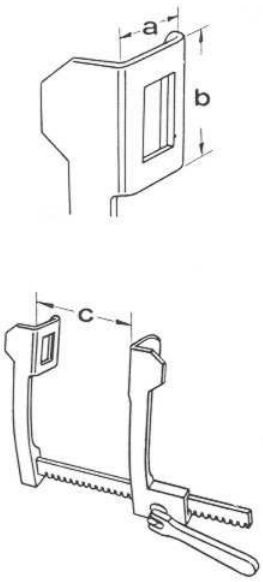
75 × 75 mm



42 × 65 mm



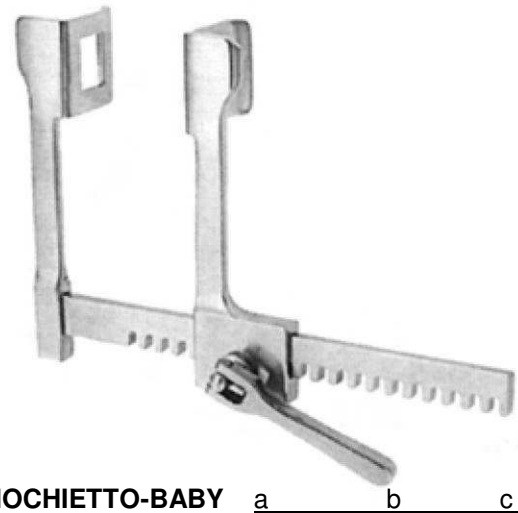
MERCEDES
119 57 27000 komplet



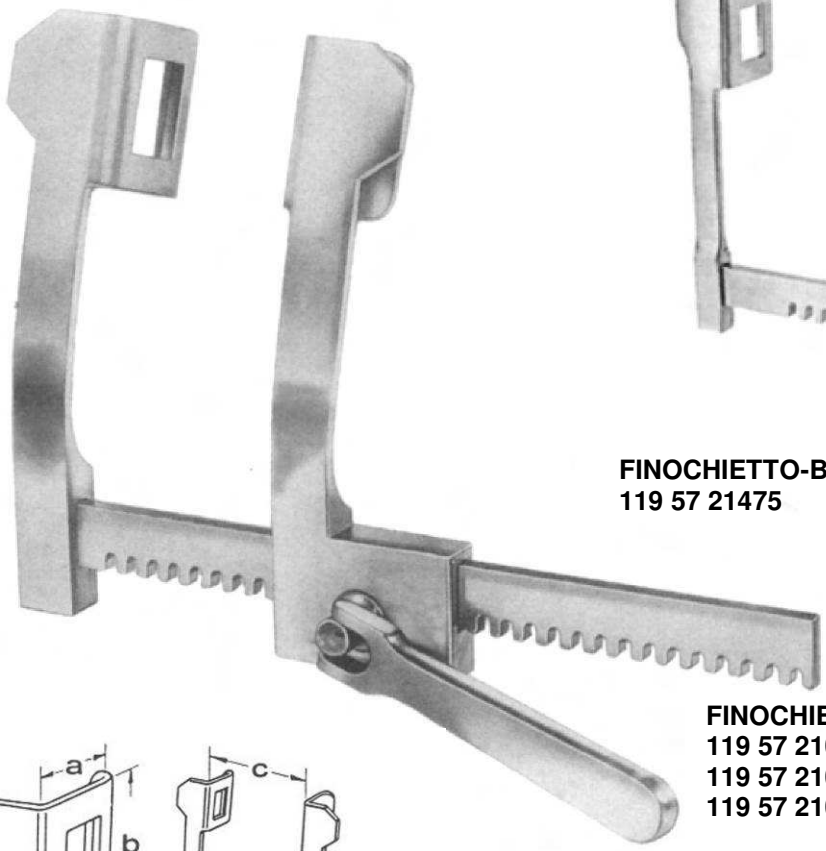
1/2

COOLEY	a	b	c
119 57 26002	16 mm	30 mm	105 mm
119 57 26003	21 mm	44 mm	150 mm

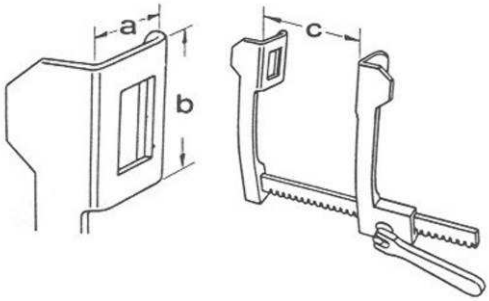
Rozvěrače

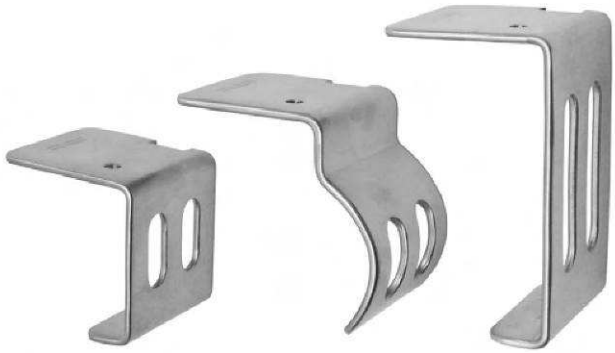


FINOCHIETTO-BABY	a	b	c
119 57 21475	18 mm	20 mm	75 mm

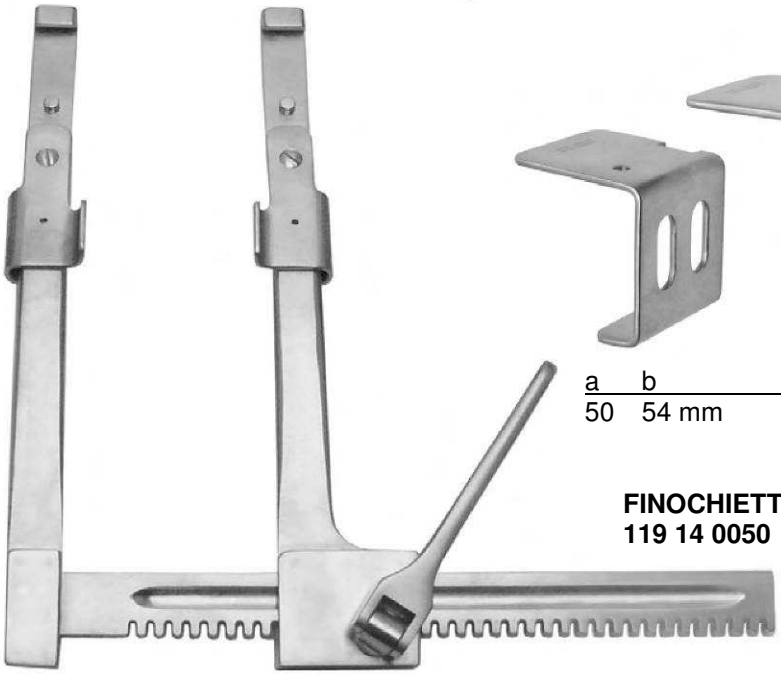


FINOCHIETTO	a	b	c
119 57 21016	38 mm	44 mm	160 mm
119 57 21020	52 mm	62 mm	200 mm
119 57 21025	65 mm	85 mm	250 mm



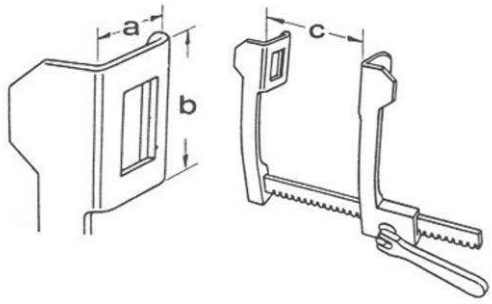


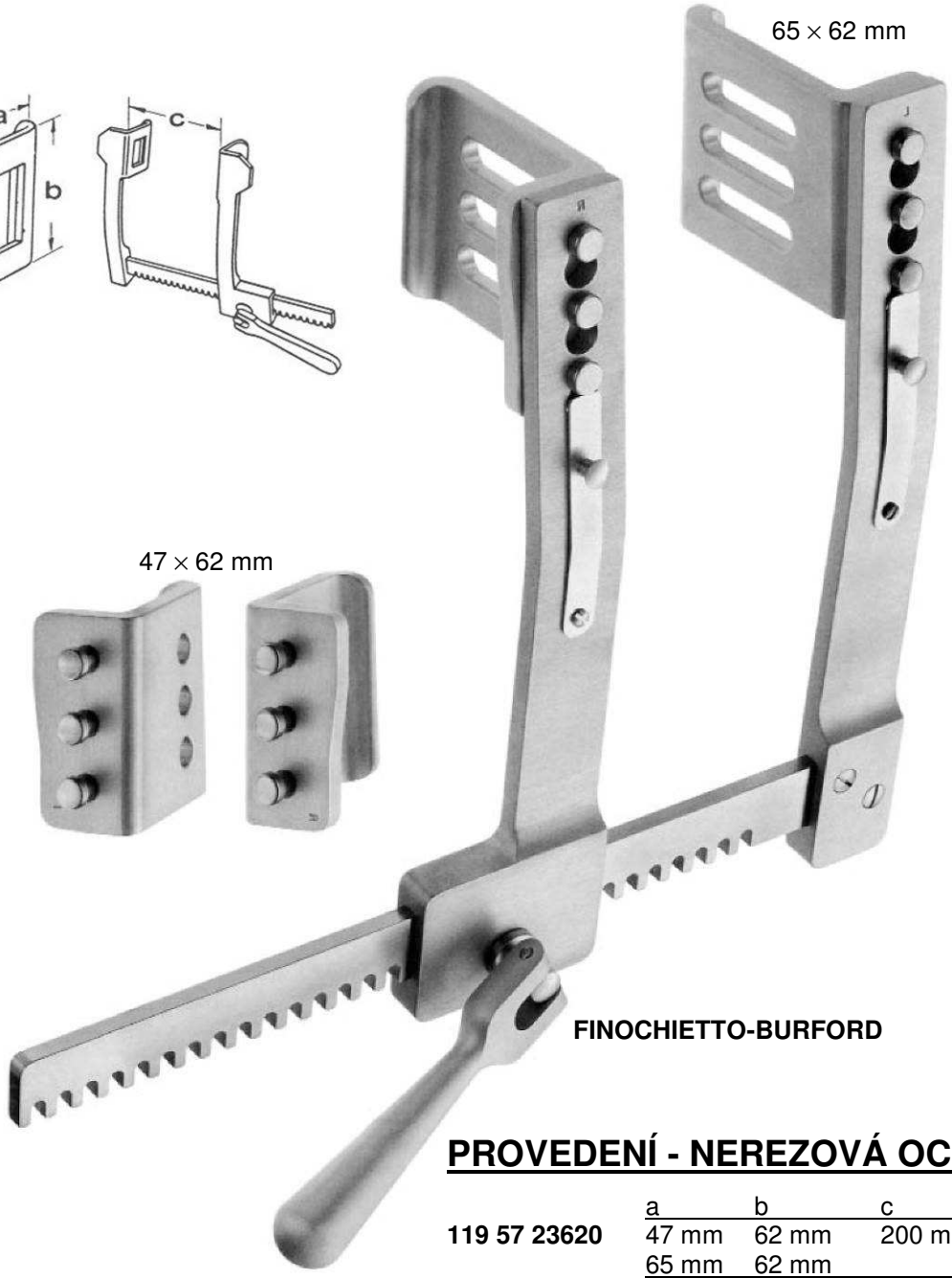
a	b	a	b	a	b
50	54 mm	50	65 mm	50	87 mm



FINOCHIETTO
119 14 0050 sada se třemi páry lopatek

Rozvěrače





FINOCHIETTO-BURFORD

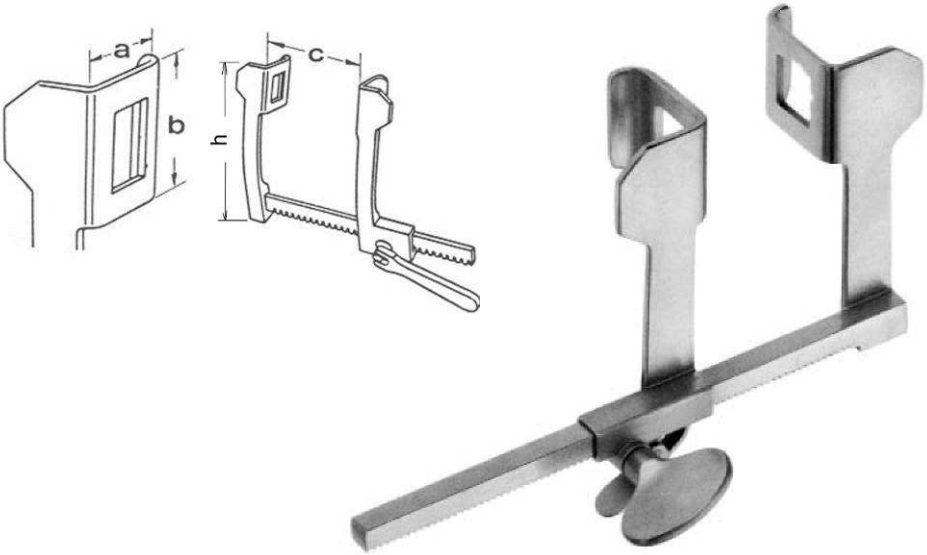
PROVEDENÍ - NEREZOVÁ OCEL

	a	b	c
119 57 23620	47 mm	62 mm	200 mm
	65 mm	62 mm	
119 57 23625	47 mm	62 mm	250 mm
	65 mm	62 mm	
119 57 23630	47 mm	62 mm	300 mm
	65 mm	62 mm	

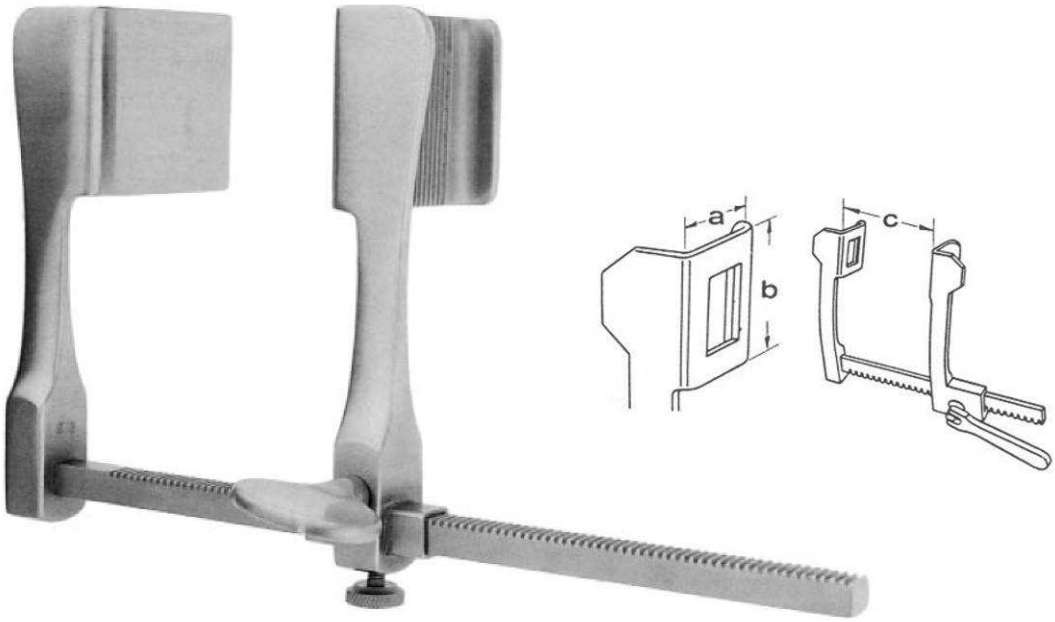
PROVEDENÍ - HLINÍK

	a	b	c
119 57 24220	47 mm	62 mm	200 mm
	65 mm	62 mm	
119 57 24226	47 mm	62 mm	250 mm
	65 mm	62 mm	
119 57 24230	47 mm	62 mm	300 mm
	65 mm	62 mm	

Rozvěrače

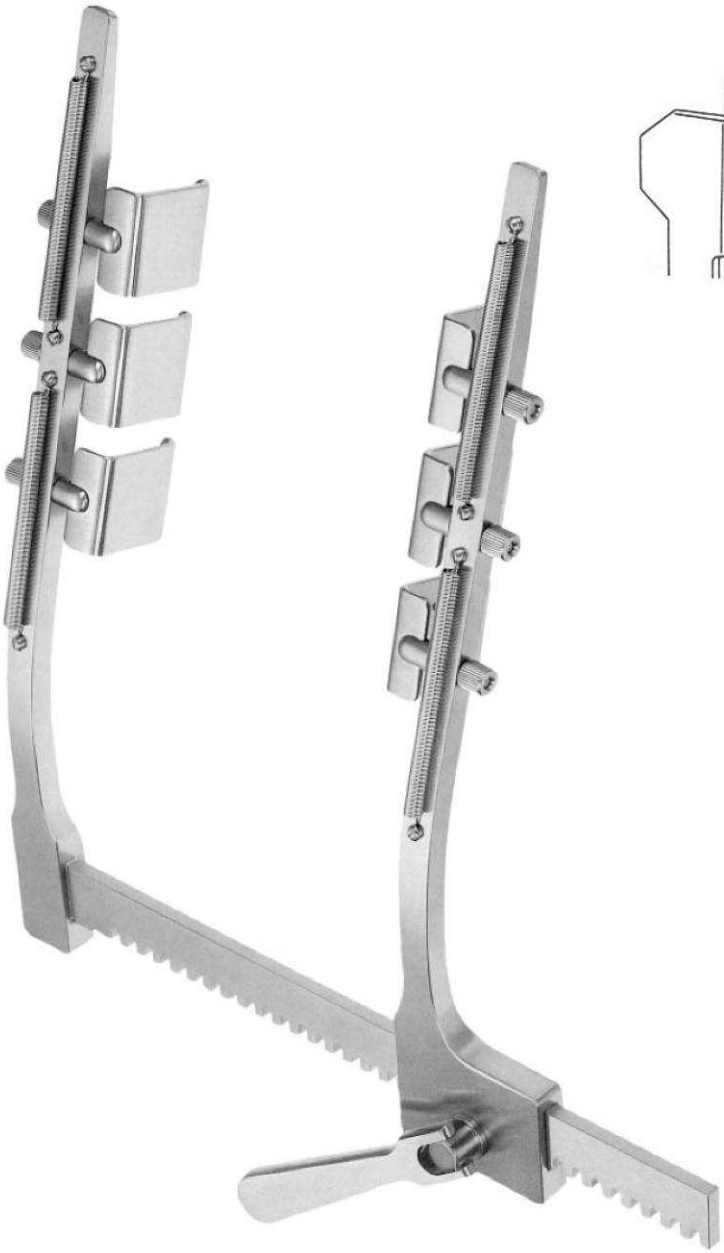


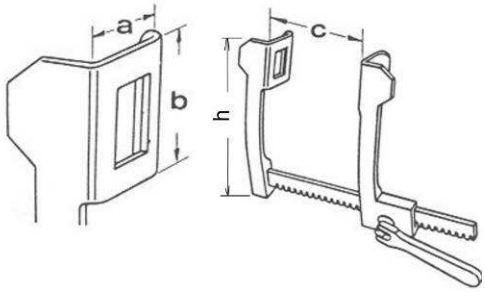
HAIGHT	a	b	c	h
119 57 26006	30 mm	30 mm	90 mm	65 mm
119 57 26009	30 mm	30 mm	90 mm	90 mm



TUFFIER	a	b	c
119 57 26416	45 mm	45 mm	160 mm

Rozvěrače





ANKENEY

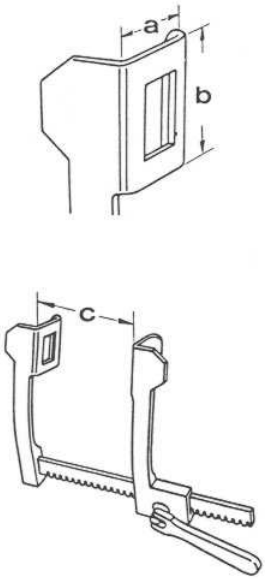
	a	b	c	h
06-52-856	32 mm	15 mm	178 mm	292 mm

kompletní rozvěrač se třemi páry lopatek

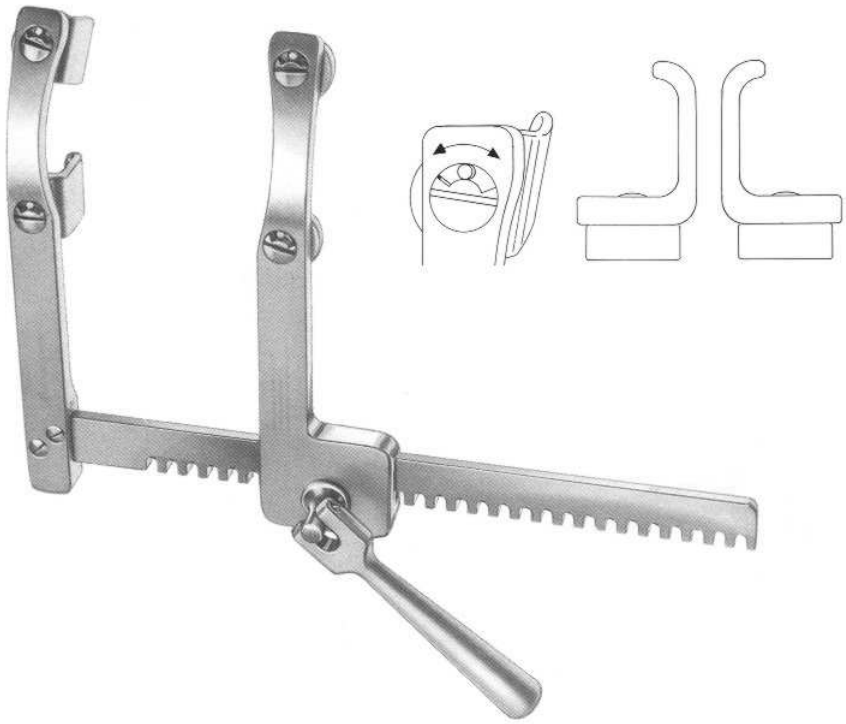
	a	b
06-52-857	52 mm	35 mm

samostatné lopatky (6 kusů)

Rozvěrače

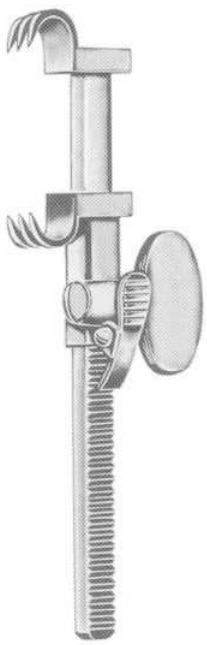


1/2

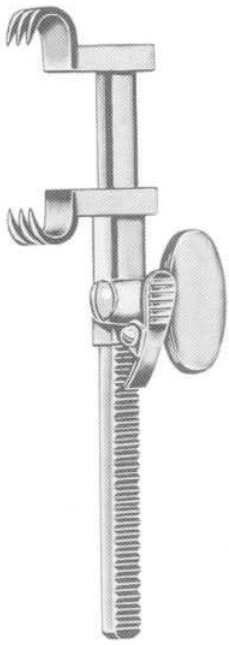


MORSE-FAVALORO
119 08 09901

a	b	c
19 mm	19 mm	200 mm



BAILEY
119 57 28416
16,0 cm



BAILEY-GIBBON
119 57 28616
16,0 cm

Rozvěrače

Objednací číslo popis

119 66 260 komplet flexibilního rozvěrače s jedním ramenem

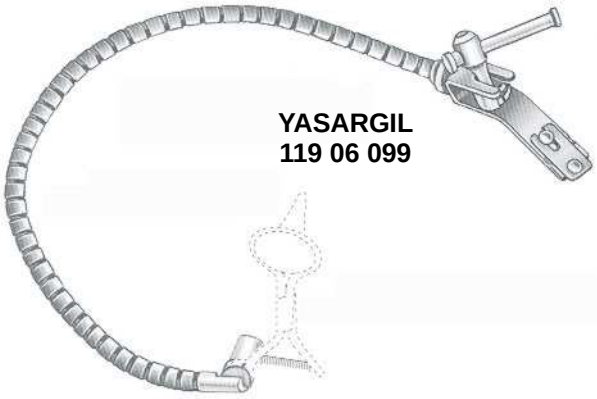
jednotlivé části kompletu:
119 66 267 držák pro 1 rameno
119 66 270 1 ks - flexibilní rameno
119 66 273 1 ks - držák ploché

119 66 262 komplet flexibilního rozvěrače se dvěma rameny

jednotlivé části kompletu:
119 66 268 držák pro 2 ramena
119 66 270 2 ks - flexibilní rameno
119 66 273 2 ks - držák ploché lopatky

119 66 274 držák lopatky s válcovým držadlem (nutno objednat samostatně)

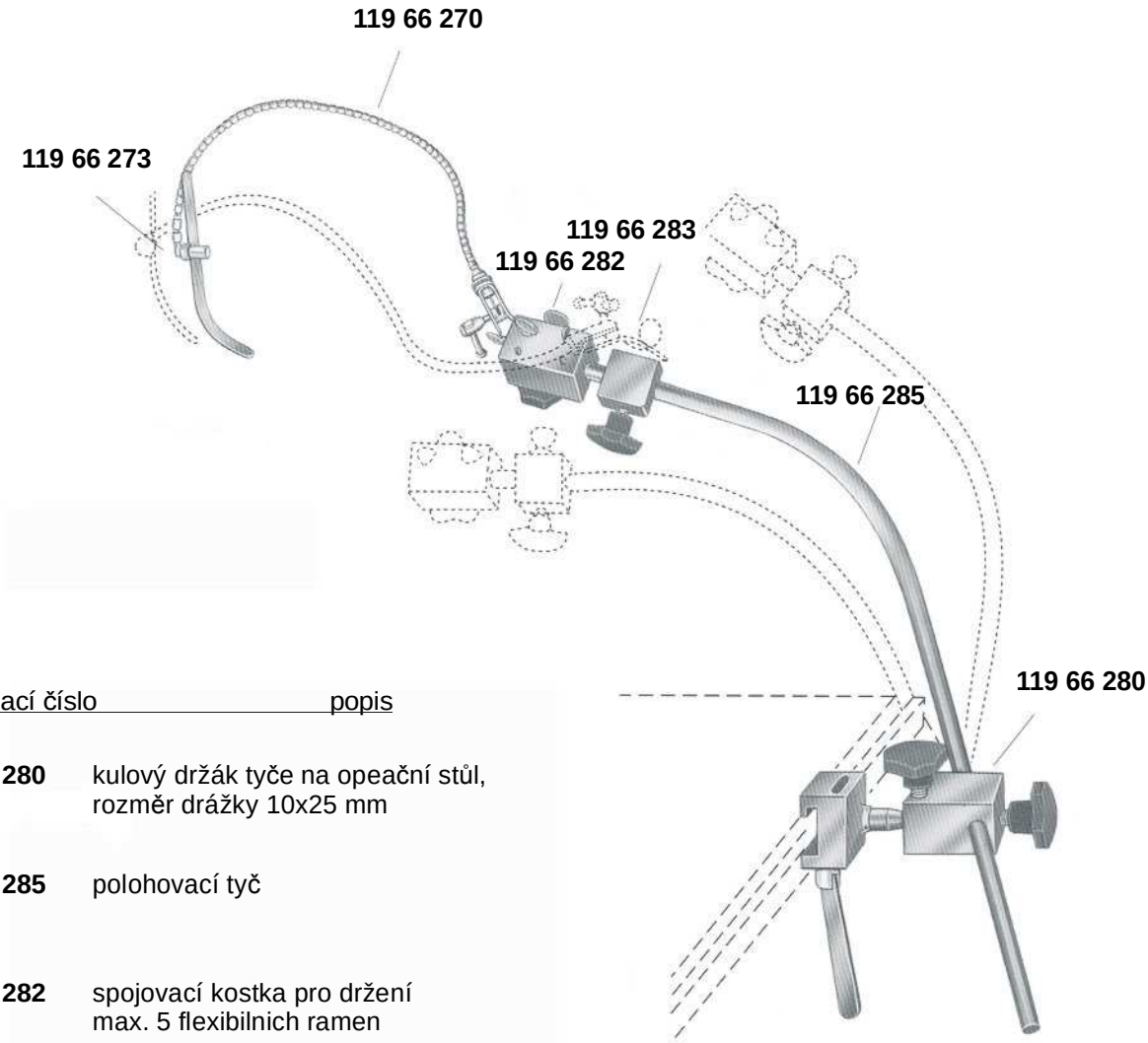
119 66 270 flexibilní rameno rozvěrače



119 06 099 držák ušního zrcátka - komplet

jednotlivé části kompletu:
119 66 270 1 ks - flexibilní rameno
119 66 266 držák pro 1 rameno na tyč ø16 mm
119 66 275 1 ks - držák ušního

Rozvěrače



Objednací číslo	popis
119 66 280	kulový držák tyče na opeační stůl, rozměr drážky 10x25 mm
119 66 285	polohovací tyč
119 66 282	spojovací kostka pro držení max. 5 flexibilnich ramen
119 66 283	spojovací kostka otočná alternativa za **119 66 282**
119 66 270	flexibilní rameno rozvěrače
119 66 273	držák ploché lopatky

YASARGIL

3B instruments

lékařské nástroje

121

Lopatky

Rozvěrače

L

40,0 mm	**119 08 58010**
45,0 mm	**119 08 58011**
50,0 mm	**119 08 58012**
55,0 mm	**119 08 58013**
60,0 mm	**119 08 58014**

CLOWARD
119 08 58200
komplet s 5ti lopatkami

119 08 58200 = 1x **119 08 58201**
+ 1x **119 08 58010**
+ 1x **119 08 58011**
+ 1x **119 08 58012**
+ 1x **119 08 58013**
+ 1x **119 08 58014**

L

40,0 mm	**119 08 58020**
45,0 mm	**119 08 58021**
50,0 mm	**119 08 58022**
55,0 mm	**119 08 58023**
60,0 mm	**119 08 58024**

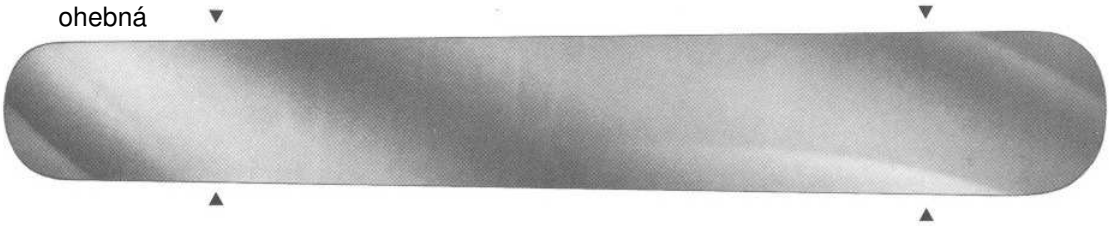
Lopatky

ohebná

RIBBON

121 19 17020	20x330 mm
121 19 17025	25x330 mm
121 19 17032	32x330 mm
121 19 17040	40x330 mm
121 19 17045	45x330 mm
121 19 17050	50x330 mm
121 19 17065	65x330 mm
121 19 17076	76x330 mm

ohebná



HABERER

121 19 17417	17/25x200 mm
121 19 17425	25/30x250 mm
121 19 17437	37/45x300 mm
121 19 17440	40/50x300 mm

ohebná

RIBBON

121 19 16806	6x200 mm
121 19 16808	8x200 mm
121 19 16810	10x200 mm
121 19 16812	12x200 mm
121 19 16817	17x200 mm
121 19 16820	20x200 mm
121 19 16825	25x200 mm
121 19 16925	25x250 mm

Lopatky

REVERDIN
121 19 17528
28,0 cm

ALLISON
121 57 28932
32,0 cm

BUCHVALD
121 31 0010
17,5 cm

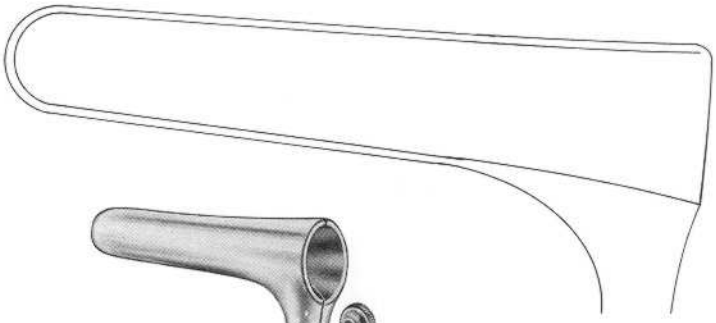
3B instruments

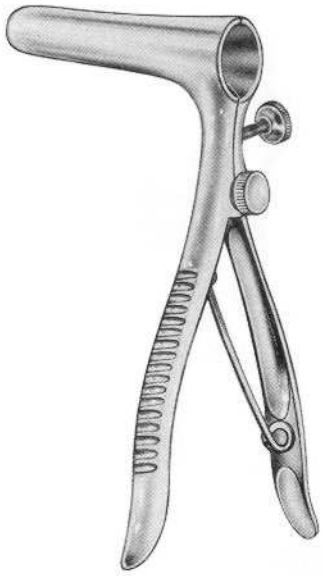
lékařské nástroje

122

Zrcadla

Zrcadla

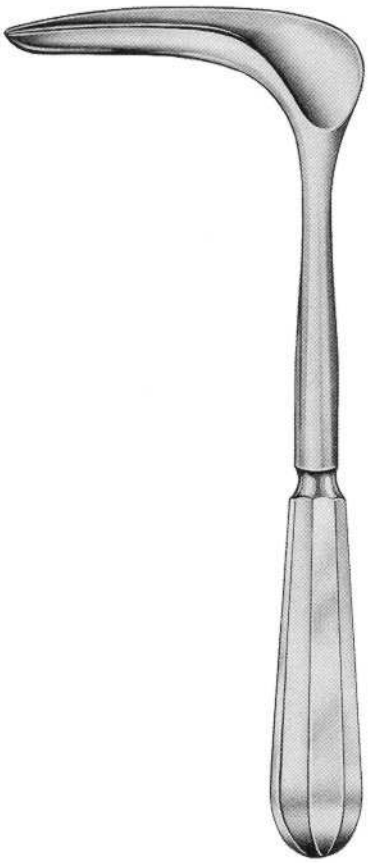




1/1

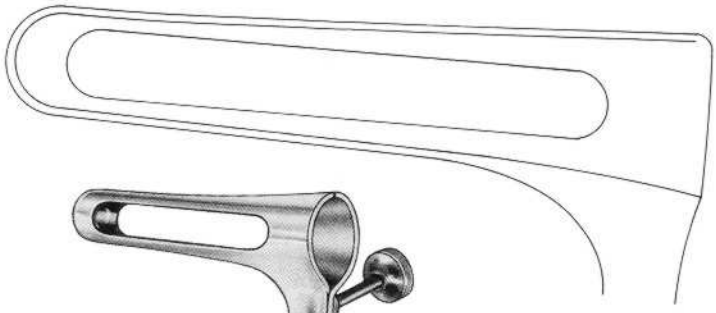
1/2

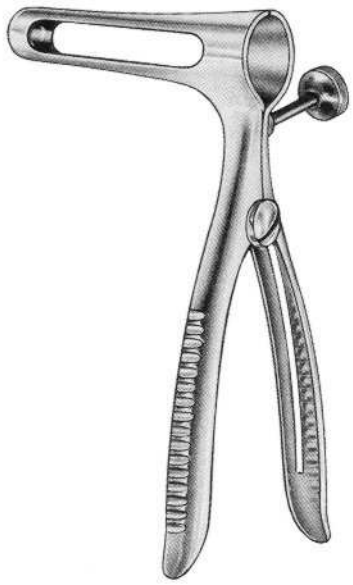
SIMS
122 69 11515
15,0 cm



1/2

CZERNY
122 69 10522
22,0 cm



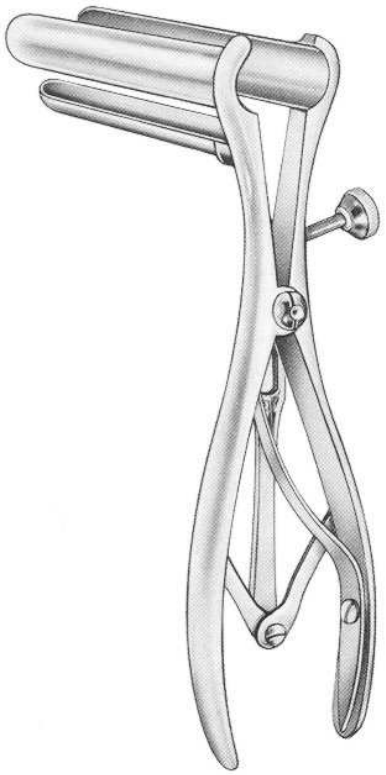


1/1

1/2

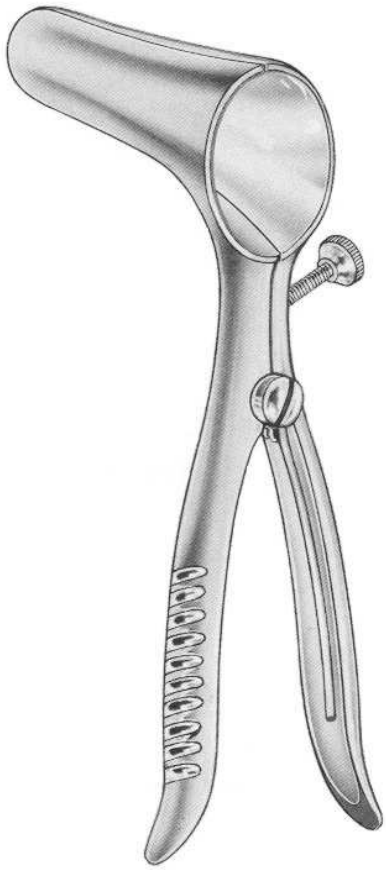
SIMS
122 69 11015
15,0 cm

Zrcadla



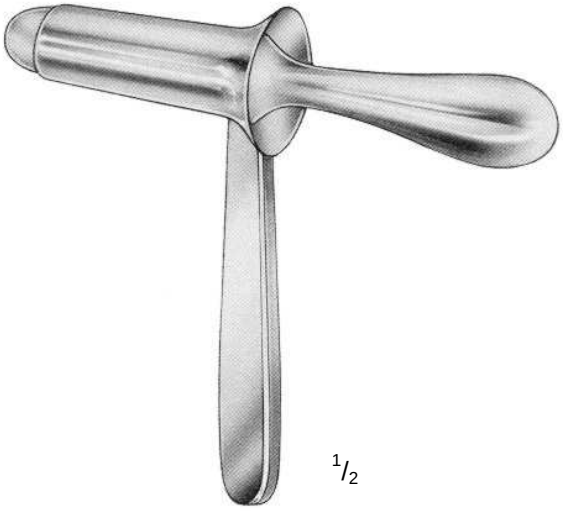
1/2

MATHIEU
122 69 13019
90 × 15 mm
19,5 cm



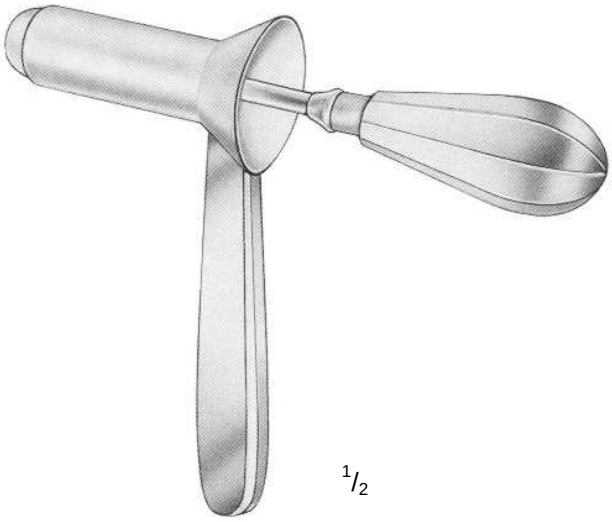
1/2

PRATT
122 69 12100
85 × 25 mm
21,5 cm



1/2

KELLY
122 69 22005 ∅ 21 × 50 mm
122 69 22010 ∅ 22 × 100 mm

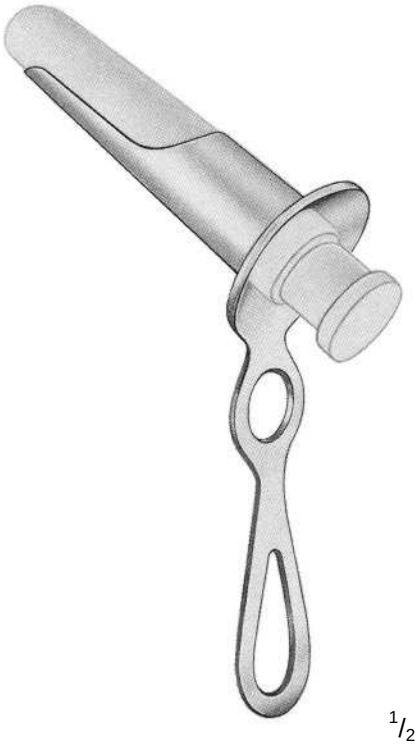


1/2

KELLY
122 69 22421 ∅ 22 × 50 mm
122 69 22427 ∅ 27 × 50 mm

Zrcadla

KELLY
122 69 22014 ∅ 22 × 140 mm
122 69 22020 ∅ 22 × 200 mm



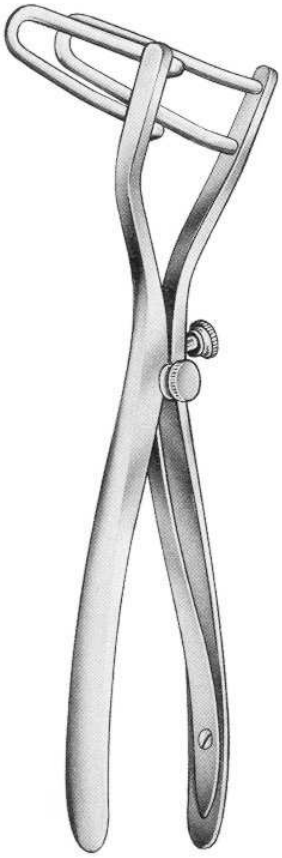
1/2

IVES-FANSLER
122 69 21022
∅ 22 × 80 mm

1/2

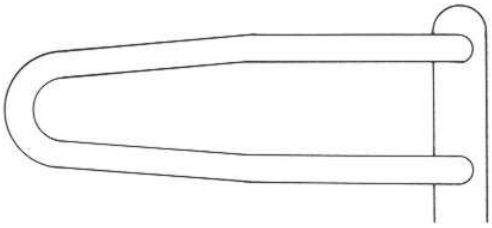
HIRSCHMANN
122 69 21216 ∅ 16 × 65 mm
122 69 21219 ∅ 19 × 65 mm
122 69 21222 ∅ 22 × 65 mm

Zrcadla



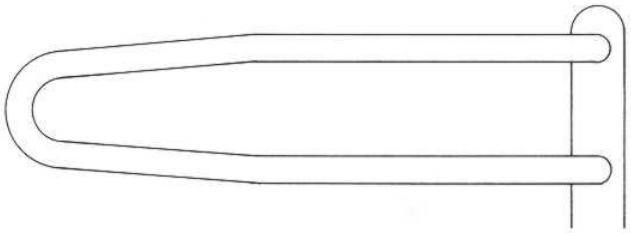
1/2

SCHULZE-BERGMANN
22,0 cm



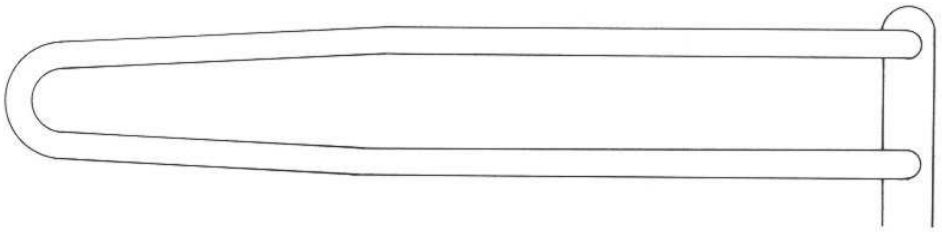
1/1

122 69 14206
60,0 mm



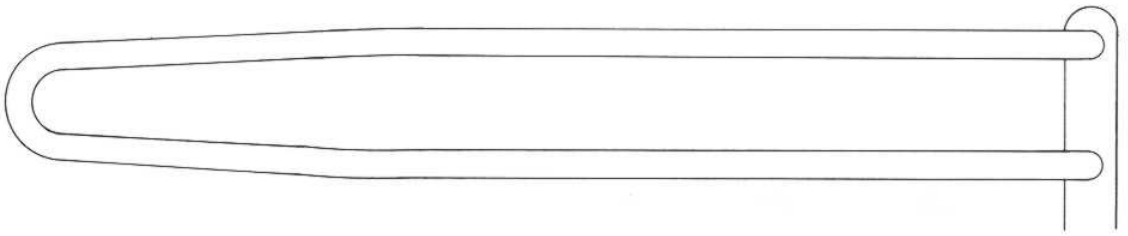
1/1

122 69 14208
80,0 mm



1/1

122 69 14212
120,0 mm



1/1

122 69 14215
150,0 mm

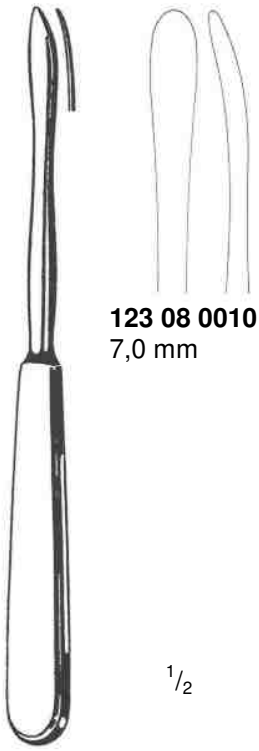
3B instruments

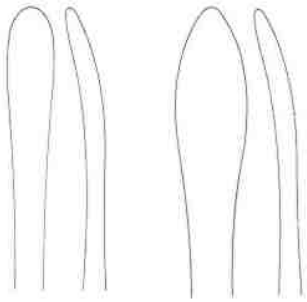
lékařské nástroje

123

Páčidla - elevatoria

Páčidla - elevatoria





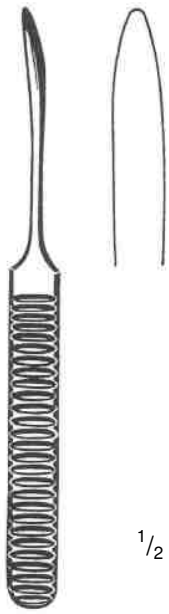
1/1

123 08 0010
7,0 mm

123 08 0020
10,0 mm

1/2

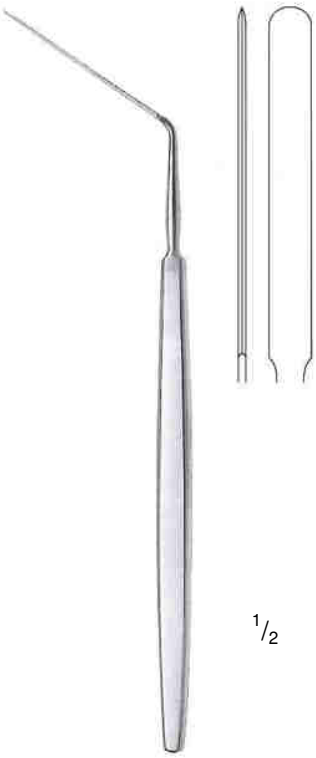
LANGENBECK
19,5 cm



1/1

1/2

WILLIGER
123 08 0030
16,0 cm



1/1

1/2

HORSLEY
123 08 60720
20,0 cm

1/1

1/2

SACHS
123 08 60821
21,0 cm

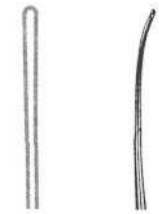
1/1

1/2

SCOVILLE
123 08 60923
23,0 cm

Páčidla - elevatoria

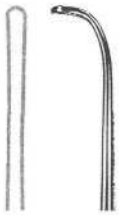
1/1



123 17 0560
18,0 cm

123 17 0060
18,0 cm

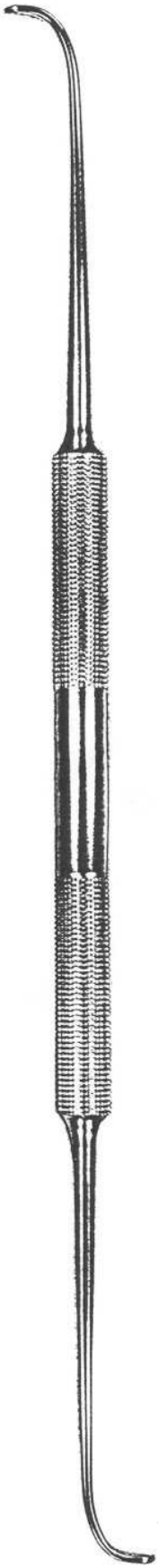
123 17 0660
18,0 cm



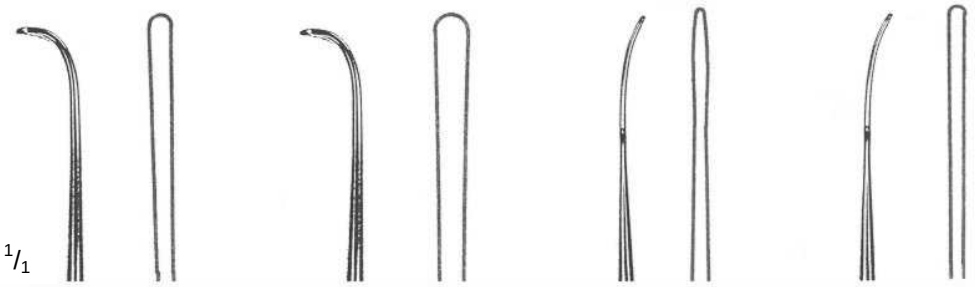
123 17 0650
18,0 cm

1/1

Páčidla - elevatoria



1/1



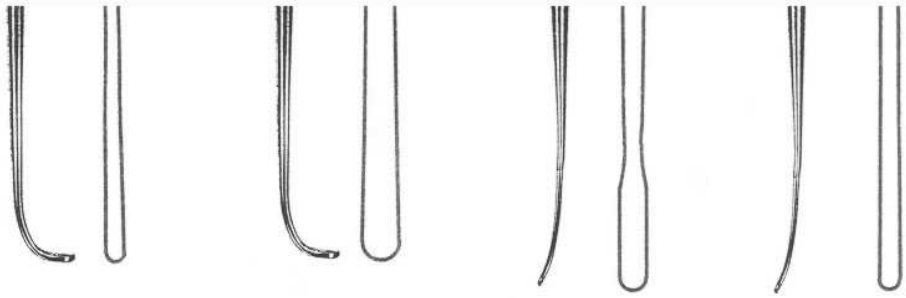
123 17 0081
24,0 cm

123 17 0020
24,0 cm

123 17 0030
24,0 cm

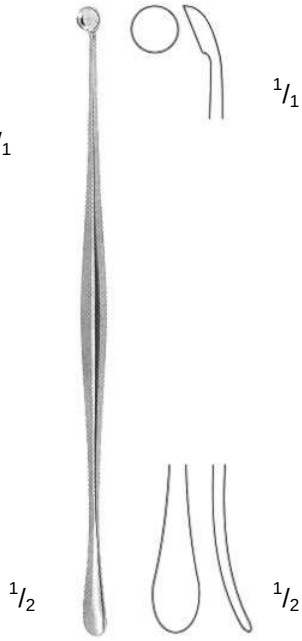
123 17 0620
24,0 cm

1/1



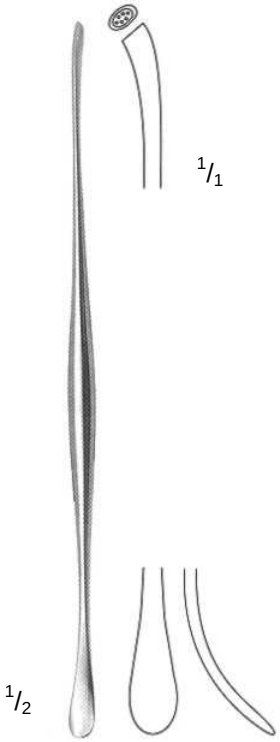
Páčidla - elevatoria

FREER
123 30 0030
17,0 cm

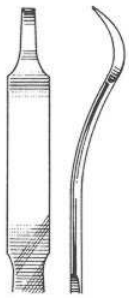


PENFIELD
123 41 16101
17,5 cm

PENFIELD
123 41 16102
19,5 cm



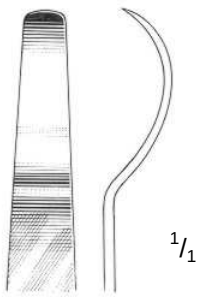
PENFIELD
123 41 16103
19,5 cm



123 33 81106
6,0 mm

123 33 81108
8,0 mm

HOHMANN
16,0 cm

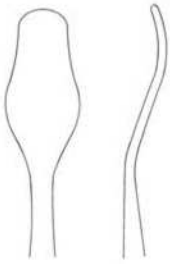


123 33 81506
14,0 cm

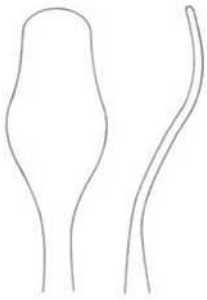
Páčidla - elevatoria

CHANDLER

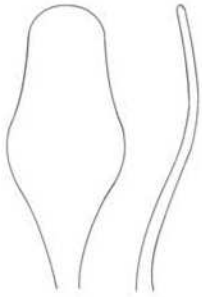
123 33 76301
19,0 cm



123 33 76302
20,3 cm



123 33 76303
22,9 cm



123 33 76304
25,4 cm

4,5 mm

KÖNIG
123 33 80201
15,0 cm

4,5 mm

KÖNIG
123 33 80202
15,0 cm

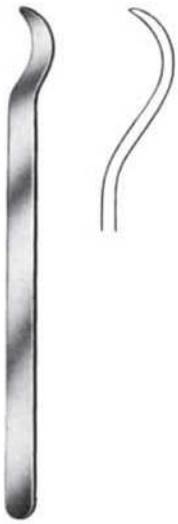
2,8 mm

123 33 80214
14,0 cm

5,0 mm

123 33 80305
15,0 cm

7,0 mm



123 33 80307
15,0 cm

Páčidla - elevatoria

HOHMANN
123 33 80108
8,0 mm

HOHMANN
123 33 80118
18,0 mm

HOHMANN
123 33 80143
43,0 mm

HOHMANN
123 33 80170
70,0 mm

Páčidla - elevatoria

1/2

HOHMANN
123 33 80343
43,0 mm

HOHMANN
123 33 80522
22,0 mm

HOHMANN
123 33 80533
33,0 mm

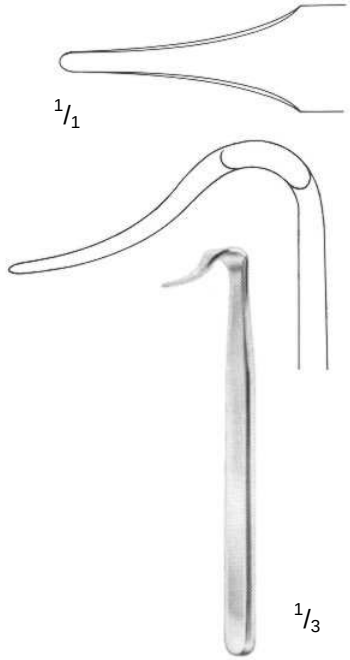
HOHMANN
123 33 80724
24,0 mm

HOHMANN
123 33 80922
22,0 mm

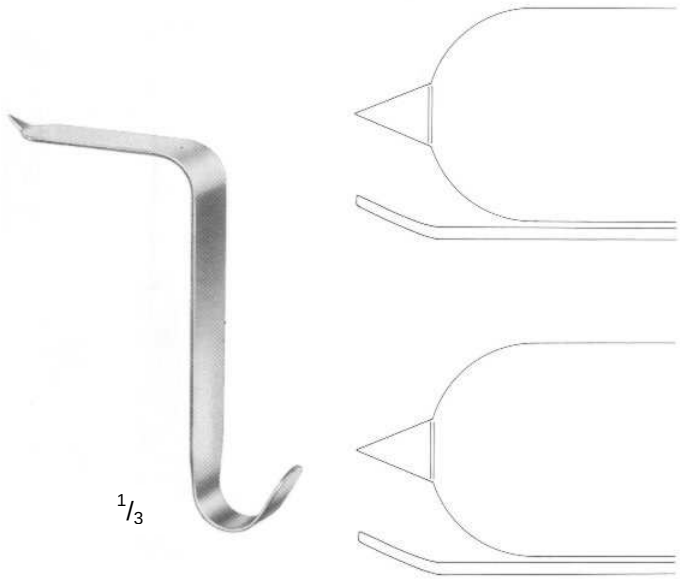
Páčidla - elevatoria

BLOUNT
123 33 82326
26,0 cm

BLOUNT
123 33 82526
26,0 cm



BLOUNT
123 33 82717
17,5 cm



TAYLOR
123 33 83116 75 × 30 mm
123 33 83316 100 × 30 mm
16,0 cm

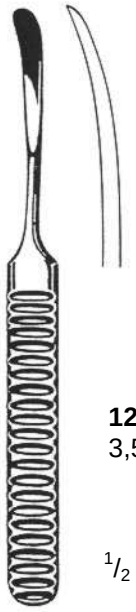
3B instruments

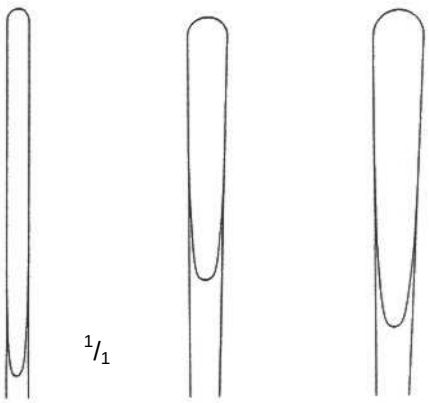
lékařské nástroje

124

Škrabky - raspatoria

Škrabky - raspatoria





1/1

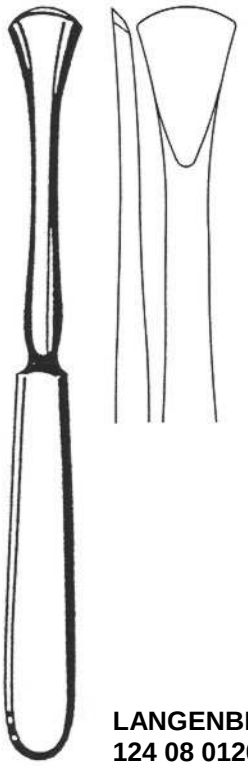
124 08 0090
3,5 mm

124 08 0100
4,5 mm

124 08 0110
6,0 mm

1/2

WILLIGER
16,0 cm



1/1

1/2

LANGENBECK
124 08 0120
20,5 cm

1/1

124 14 0050
12,0 mm

124 14 0060
16,0 mm

1/2

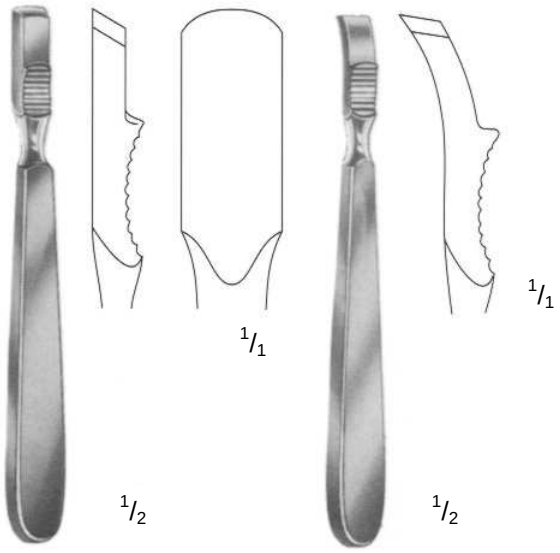
OLLIER
23,0 cm

1/2

1/2

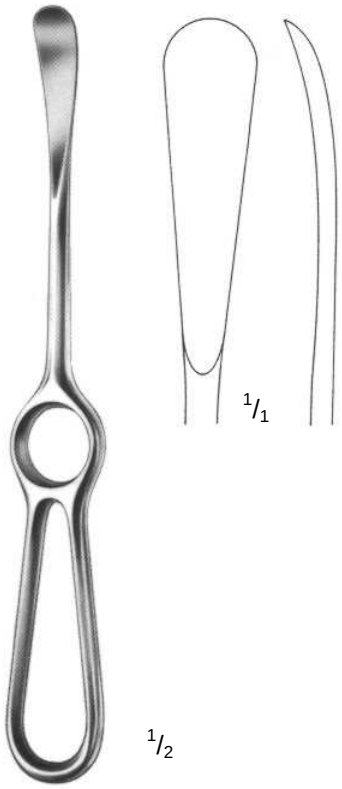
LANGENBECK
124 08 0130
20,5 cm

Škrabky - raspatoria

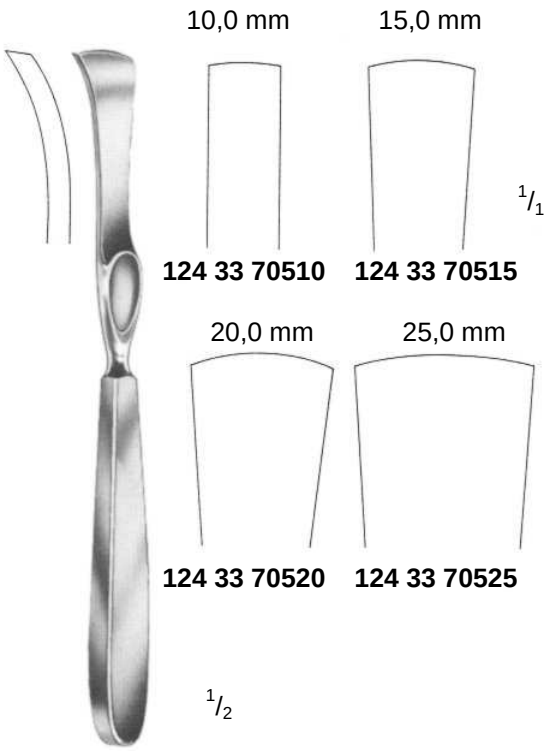


FARABEUF
124 08 0170
14,5 cm

FARABEUF
124 08 0180
14,5 cm

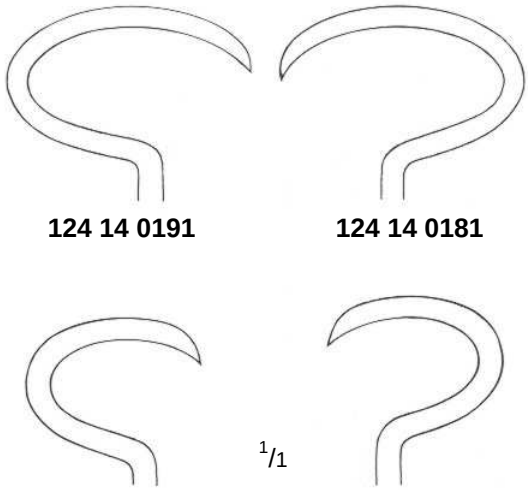


SEDILLOT
124 33 70921
21,0 cm

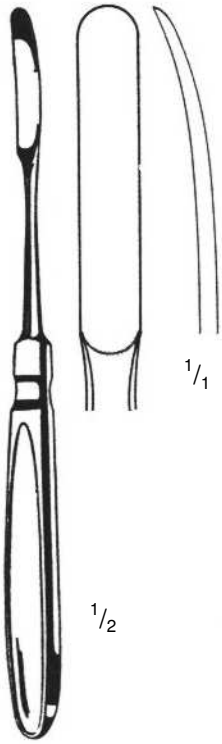


LAMBOTTE
21,0 cm

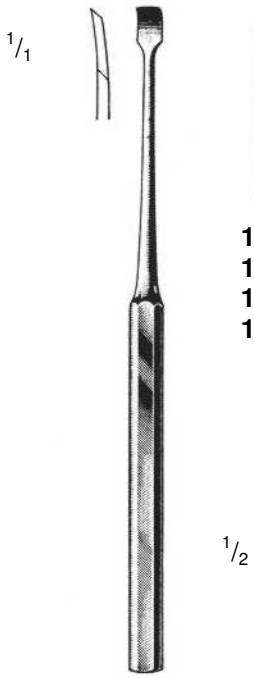
DOYEN
15,0 cm

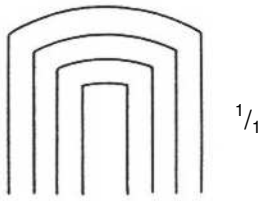


Škrabky - raspatoria



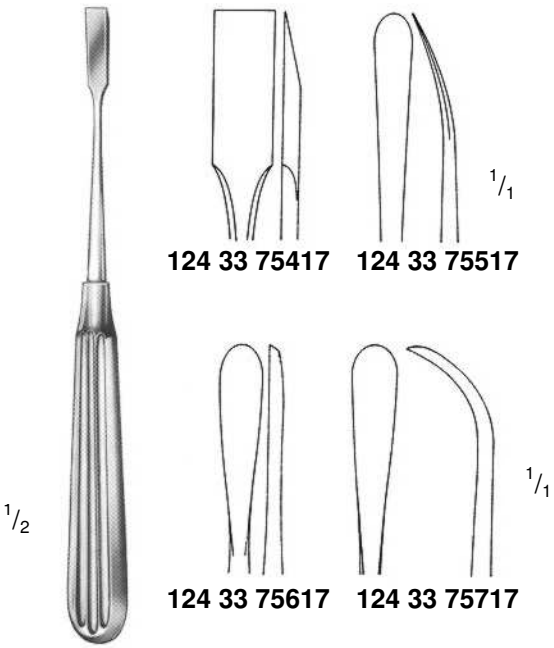
PŘECECHTĚL
124 30 0020
19,0 cm





124 33 75906	6,0 mm
124 33 75912	12,0 mm
124 33 75919	19,0 mm
124 33 75925	25,0 mm

KEY
19,0 cm



124 33 75417 **124 33 75517**

124 33 75617 **124 33 75717**

ADSON
17,0 cm

Škrabky - raspatoria

SEMB

1/2

124 33 72901
17,5 cm

124 33 72902
21,0 cm

124 33 72903
17,5 cm

124 14 0040
23,0 cm

1/2

1/2

124 33 72905
20,5 cm

124 33 72906
20,5 cm

124 33 72907
22,5 cm

3B instruments

lékařské nástroje

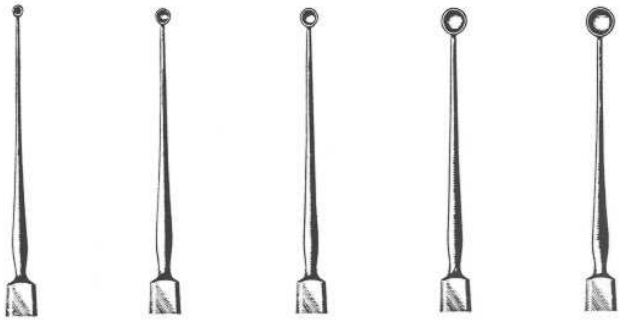
125

Lžičky

Lžičky

1/1

MEYHÖFER
13,0 cm



1/1

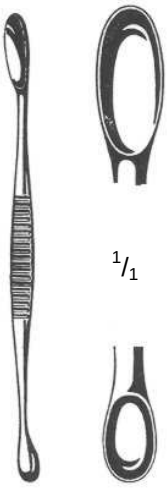
125 38 0010
1,6 mm

125 38 0020
2,0 mm

125 38 0030
2,8 mm

125 38 0040
3,4 mm

125 38 0050
4,0 mm



1/1

1/2

VOLKMANN
125 08 0310
13,5 cm

1/2

1/1

000
125 08 0110
3,5 mm
17,0 cm

0
125 08 0120
4,8 mm
17,0 cm

1
125 08 0130
6,0 mm
17,5 cm

3
125 08 0140
8,5 mm
18,5 cm

5
125 08 0150
12,0 mm
18,5 cm

LŽIČKA OSTRÁ OVÁLNÁ

1/2

1/1

1
125 08 0160
3,0 mm, 16,5 cm

2
125 08 0170
3,5 mm, 16,5 cm

3
125 08 0180
4,0 mm, 17,5 cm

4
125 08 0190
5,0 mm, 17,5 cm

5
125 08 0200
6,0 mm, 19,5 cm

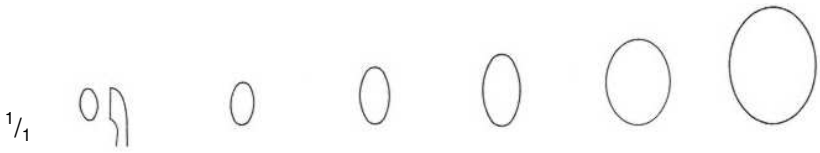
6
125 08 0210
7,0 mm, 19,5 cm

LŽIČKA OSTRÁ TREPANAČNÍ

Lžičky

1/2

KUNC
21,5 cm



1/1

125 17 0120
2,0 mm

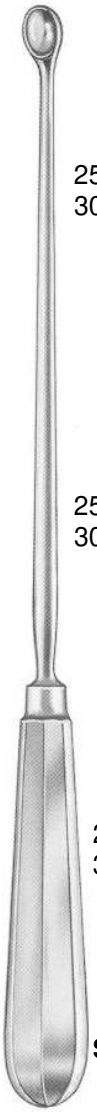
125 17 0130
3,0 mm

125 17 0140
4,0 mm

125 17 0150
5,0 mm

125 17 0160
9,0 mm

125 17 0170
12,0 mm



1/2

SIMONE/SCHRÖDER

6,8 mm 1/1
Fig. 1
25,0 cm **126 71 70201**
30,0 cm **126 71 70301**

8,5 mm 1/1
Fig. 2
126 71 70202
126 71 70302

10,0 mm 1/1
Fig. 3
25,0 cm **126 71 70203**
30,0 cm **126 71 70303**

11,5 mm 1/1
Fig. 4
126 71 70204
126 71 70304

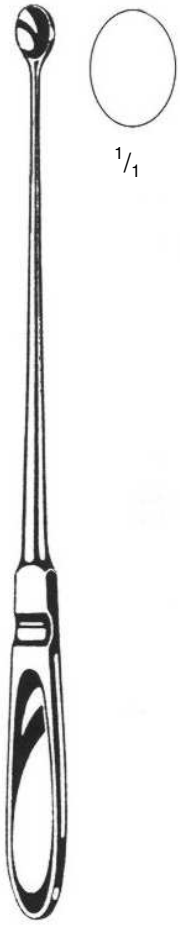
13,0 mm 1/1
Fig. 5
25,0 cm **126 71 70205**
30,0 cm **126 71 70305**

14,5 mm 1/1
Fig. 6
126 71 70206
126 71 70306

1/1

1/2

125 27 0050
7,0 mm
30,0 cm

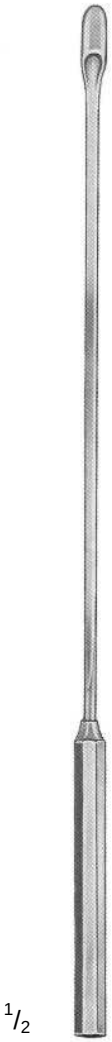


1/1

1/2

125 27 0060
12,0 mm
30,0 cm

Lžičky



1/2

DESJARDINS
30,0 cm

1/1

125 63 18017
17 Charr.

1/1

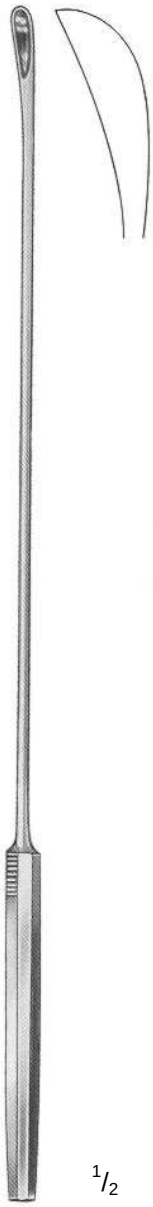
125 63 18021
21 Charr.

1/1

125 63 18024
24 Charr.

1/1

125 63 18027
27 Charr.



1/2

LUER-KORTE
32,0 cm

1/1

125 63 17301
2,5 mm

1/1

125 63 17302
3,2 mm

1/1

125 63 17303
4,2 mm

1/1

125 63 17304
5,5 mm

1/1

125 63 17305
6,7 mm

1/1

125 63 17306
8,0 mm

1/1

125 63 17307
11,0 mm

1/1

125 63 17308
15,0 mm

3B instruments

lékařské nástroje

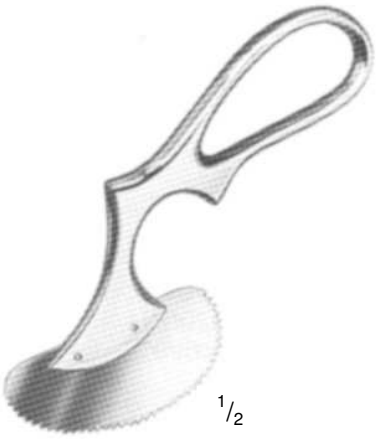
127

Pilky, pilníky

Pilky, pilníky

1/2

WIGMORE
127 31 12019
19,0 cm

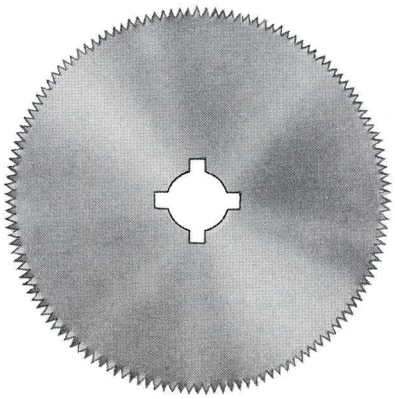


1/2

ENGEL
127 31 13014
14,0 cm

Pilka na sádru - KOMPLET
127 31 21022 (**127 31 21050 + 127 31 21065 + klíče**)
220 V, 500 W

Pilka amputační – sterilizovatelná v autoklávu - KOMPLET
127 08 99500 (**127 31 21050 + 127 31 20401 + klíče**)
220 V,

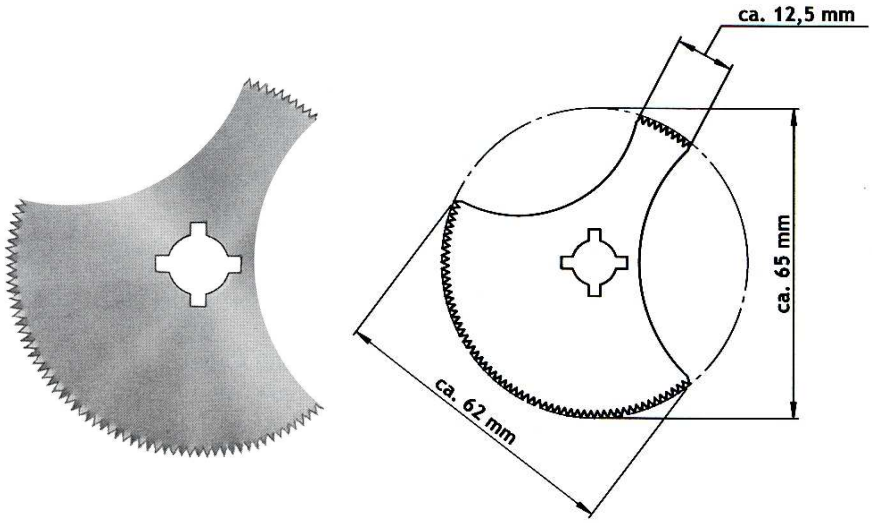


Kotouč na sádrový obvaz
∅ 45 mm – **127 31 21045**
∅ 50 mm – **127 31 21050**
∅ 65 mm – **127 31 21065**

Kotouč na syntetický obvaz
∅ 45 mm – **127 31 21145**
∅ 50 mm – **127 31 21150**
∅ 65 mm – **127 31 21165**

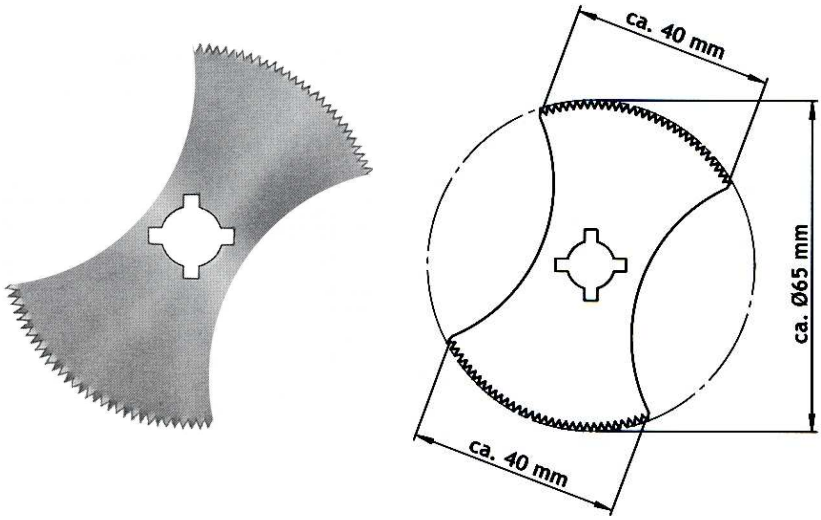
Kotouč na PTFE syntetický obvaz
∅ 50 mm – **127 31 21250**
∅ 65 mm – **127 31 21265**

Pilky, pilníky



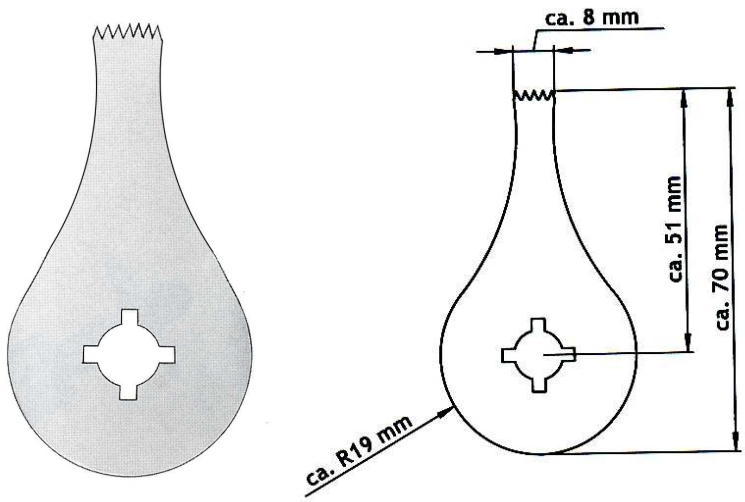
Kotouč na sádrový obvaz
127 31 20401

Kotouč na syntetický obvaz
127 31 20402



Kotouč na sádrový obvaz
127 31 20403

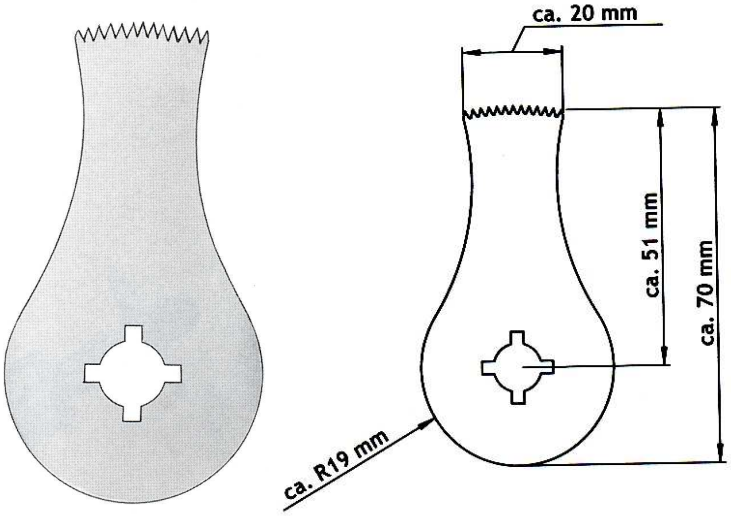
Kotouč na syntetický obvaz
127 31 20404



Kotouč na sádrový obvaz
127 31 20508

Kotouč na syntetický obvaz
127 31 20509

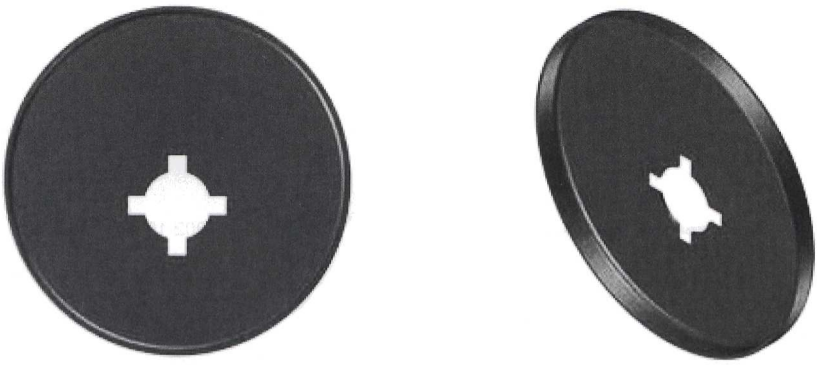
Pilky, pilníky



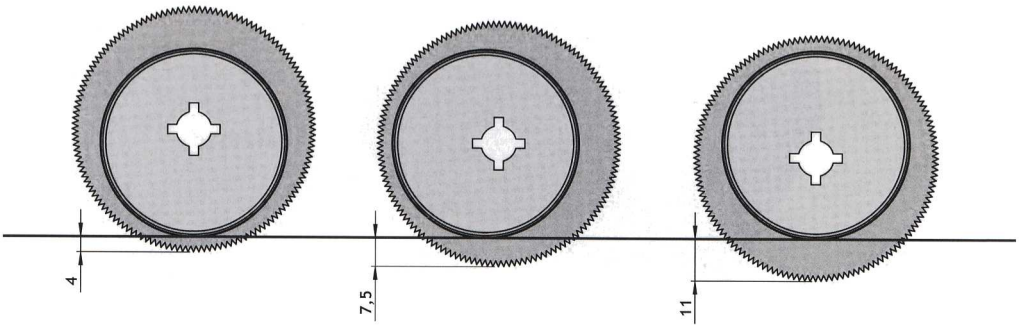
Kotouč na sádrový obvaz
127 31 20520

Kotouč na syntetický obvaz
127 31 20521

Vymezující disk pro hloubku řezu
127 31 20350



Vhodný pro:
127 31 21065
127 31 21165
127 31 21265
127 31 20401
127 31 20402
127 31 20403
127 31 20404



Pilky, pilníky

1/2

REDA
127 34 17500
19,0 cm

1/4

CHARRIERE
127 34 11630
30,0 cm

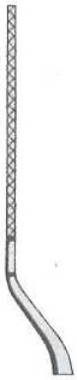
1/4

SATTERLE
127 34 11831
31,0 cm

1/2

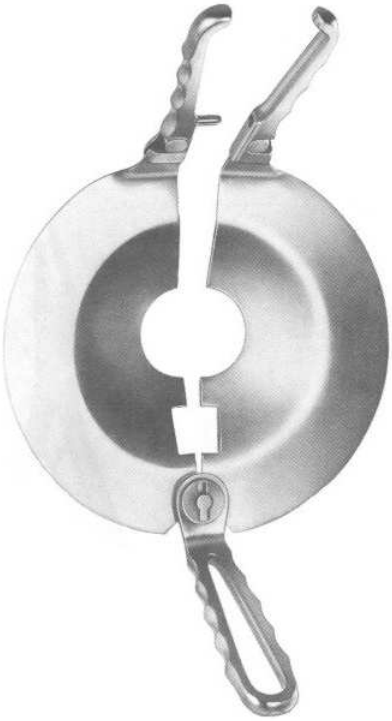
JOSEPH
19,0 cm

47 533-19
rovná



47 532-19
vlevo
vyhnutá

47 534-19
vpravo
vyhnutá



PERCY
119 34 11000

1/3

15,0 mm

127 08 0050
14 zubů na 1“

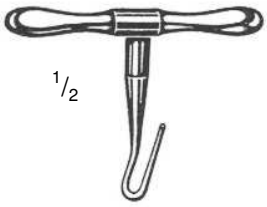
127 08 0060
18 zubů na 1“

GUTSCH
127 08 0030
25,0 cm

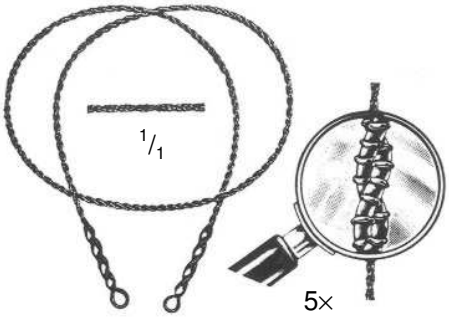
LANGENBECK
127 34 12023
23,0 cm

Pilky, pilníky

133 17 0061 330,0 mm

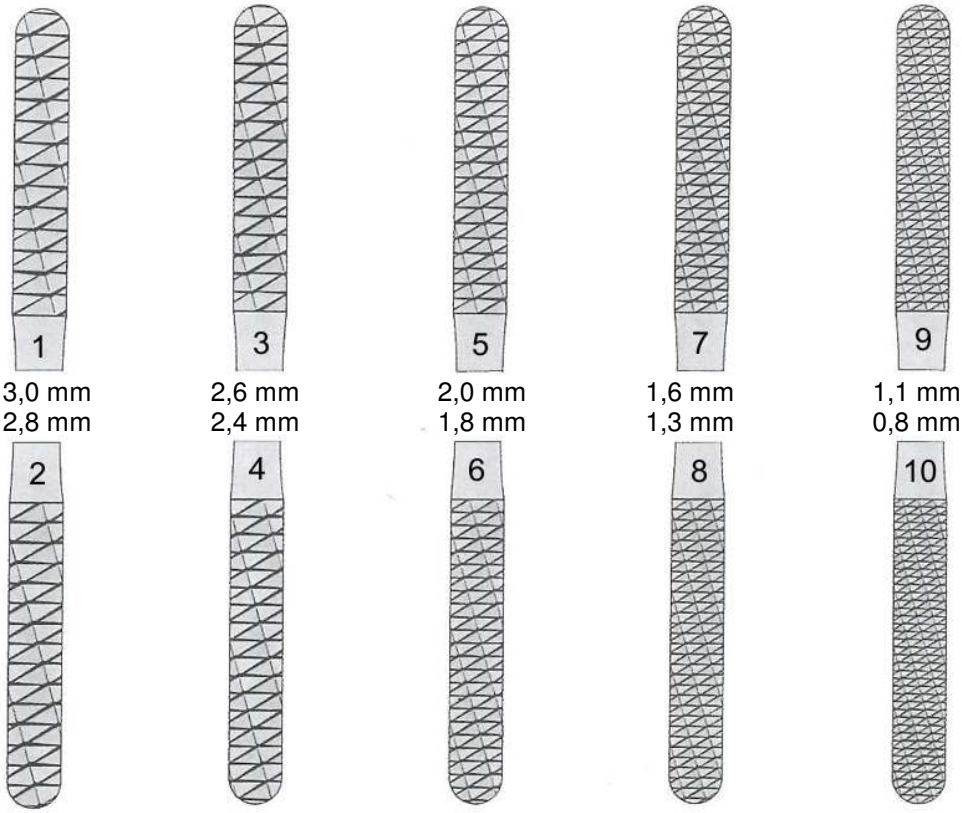


127 17 0050
pár



OLIVECRONA
127 17 0011 320,0 mm
127 17 0021 400,0 mm

TC



	1	3	5	7	9
rozteč zubů	3,0 mm 2,8 mm	2,6 mm 2,4 mm	2,0 mm 1,8 mm	1,6 mm 1,3 mm	1,1 mm 0,8 mm

FOMON
20,0 cm

47 522-01
vel. 1 a 2

47 522-04
vel. 3 a 4

47 522-05
vel. 5 a 6

47 522-07
vel. 7 a 8

57 522-09
vel. 9 a 10

Pilky, pilníky

20,0 mm

1/2

127 33 97222
22,0 cm

20,0 mm

1/2

127 33 97728
28,0 cm

13,0 mm

1/2

127 33 97124
24,5 cm

1/3

PUTTI
127 33 97327
27,0 cm

1/3

PUTTI
127 33 97530
30,0 cm

3B instruments

lékařské nástroje

128

Kladiva, dláta, šídla

Kladiva, dláta, šídla

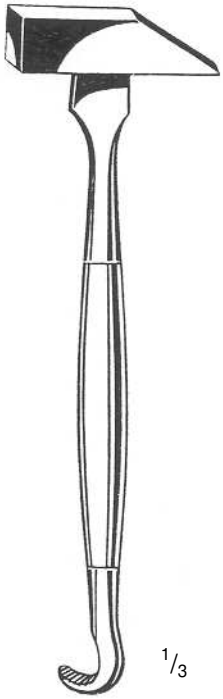
1/2

WILLIGER
23,5 cm

128 08 0901 250 g

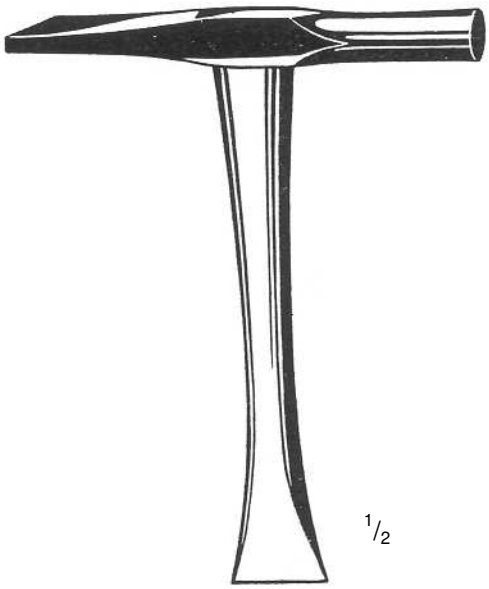
128 08 0911 500g

128 08 0921 700 g



1/3

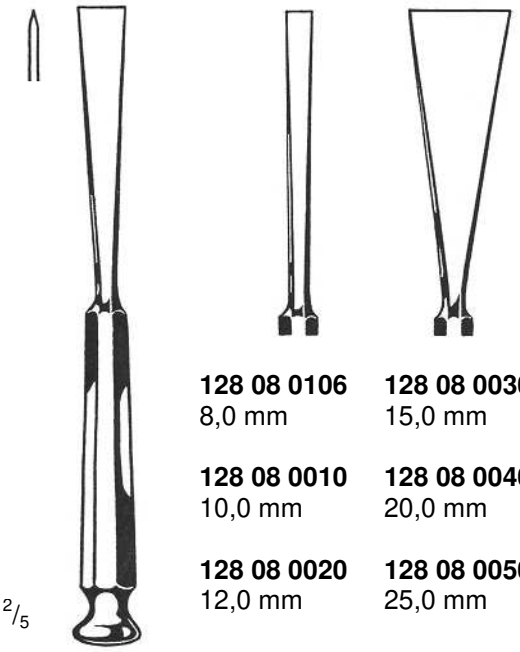
128 01 0050
23,5 cm



1/2

128 01 0030
15,0 cm

Kladiva, dláta, šídla



2/5

128 08 0106
8,0 mm

128 08 0010
10,0 mm

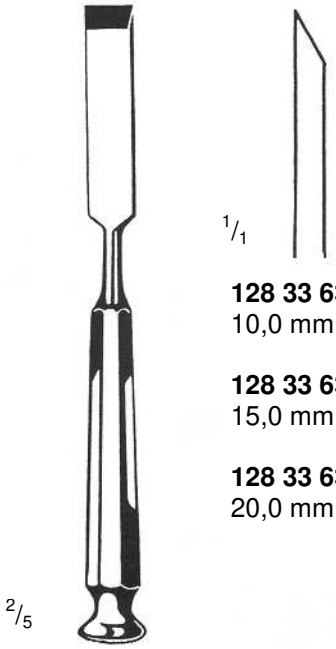
128 08 0020
12,0 mm

128 08 0030
15,0 mm

128 08 0040
20,0 mm

128 08 0050
25,0 mm

STILLE
21,0 cm



2/5

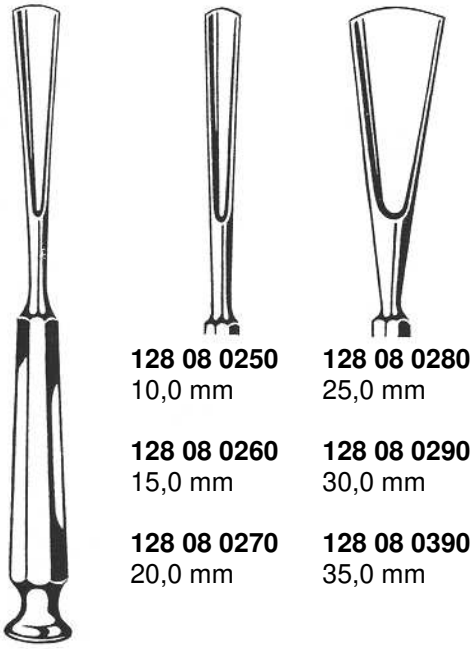
1/1

128 33 63010
10,0 mm

128 33 63015
15,0 mm

128 33 63020
20,0 mm

STILLE
21,0 cm



2/5

128 08 0250
10,0 mm

128 08 0260
15,0 mm

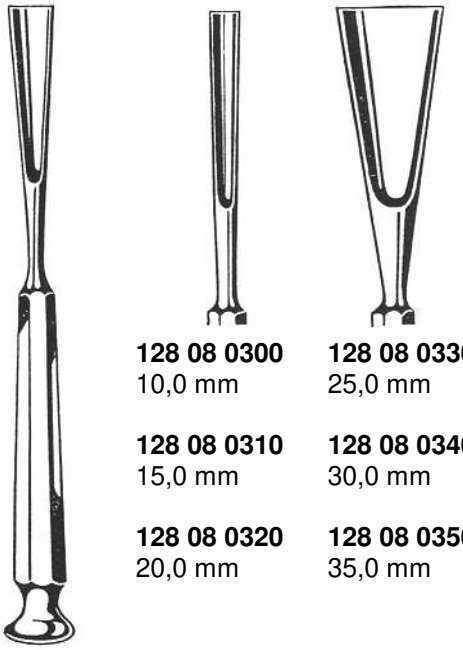
128 08 0270
20,0 mm

128 08 0280
25,0 mm

128 08 0290
30,0 mm

128 08 0390
35,0 mm

STILLE
21,0 cm



2/5

128 08 0300
10,0 mm

128 08 0310
15,0 mm

128 08 0320
20,0 mm

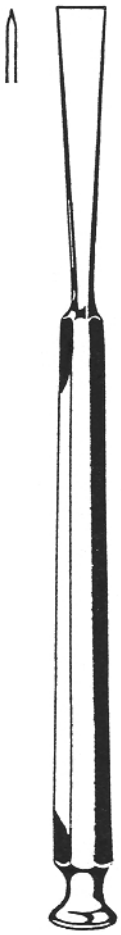
128 08 0330
25,0 mm

128 08 0340
30,0 mm

128 08 0350
35,0 mm

STILLE
21,0 cm

Kladiva, dláta, šídla



2/5

STILLE
30,0 cm
128 08 0011 10,0 mm
128 08 0031 15,0 mm
128 08 0041 20,0 mm

2/5

STILLE
30,0 cm
128 08 0251 10,0 mm
128 08 0261 15,0 mm
128 08 0271 20,0 mm

2/5

STILLE
30,0 cm
128 08 0301 10,0 mm
128 08 0311 15,0 mm
128 08 0321 20,0 mm

Kladiva, dláta, šídla

LAMBOTTE
24,0 cm

128 33 65004	4,0 mm
128 33 65006	6,0 mm
128 33 65008	8,0 mm
128 33 65010	10,0 mm
128 33 65013	13,0 mm
128 33 65016	16,0 mm
128 33 65018	18,0 mm
128 33 65020	20,0 mm
128 33 65025	25,0 mm
128 33 65030	30,0 mm
128 33 65038	38,0 mm
128 33 65044	44,0 mm
128 33 65050	50,0 mm

2/3

LAMBOTTE
24,0 cm

1/2

ALEXANDER
17,0 cm

128 33 61004	4,0 mm
128 33 61006	6,0 mm
128 33 61008	8,0 mm
128 33 61010	10,0 mm
128 33 61012	12,0 mm
128 33 61014	14,0 mm

1/2

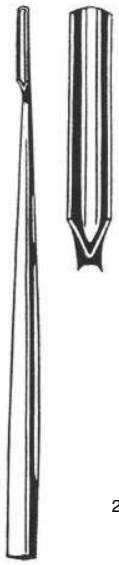
ALEXANDER
17,0 cm

128 33 61104	4,0 mm
128 33 61106	6,0 mm
128 33 61108	8,0 mm
128 33 61110	10,0 mm
128 33 61112	12,0 mm
128 33 61114	14,0 mm

2/5

WEST
18,0 cm

128 30 0200	2,0 mm
128 30 0230	5,0 mm

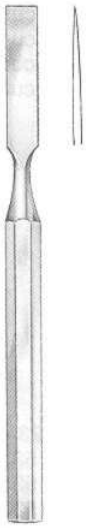


2/5

WEST
18,0 cm

128 30 0010	2,0 mm
128 30 0030	4,0 mm
128 30 0040	5,0 mm

Kladiva, dláta, šídla



	13,5 cm	13,5 cm	13,5 cm
4,0 mm	**128 33 60204**	**128 33 60404**	**128 33 60504**
6,0 mm	**128 33 60206**	**128 33 60406**	**128 33 60506**
8,0 mm	**128 33 60208**	**128 33 60408**	**128 33 60508**
10,0 mm	**128 33 60210**	**128 33 60410**	**128 33 60510**
12,0 mm	**128 33 60212**	**128 33 60412**	**128 33 60512**
14,0 mm	**128 33 60214**	**128 33 60414**	**128 33 60514**
16,0 mm	**128 33 60216**	**128 33 60416**	**128 33 60516**

HOKE

14,0 cm	
128 33 66803	3,0 mm
128 33 66805	5,0 mm
128 33 66806	6,0 mm
128 33 66808	8,0 mm
128 33 66809	9,0 mm

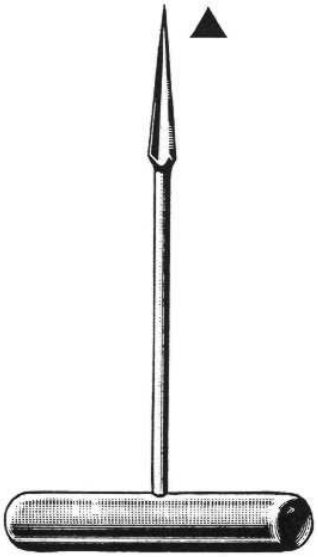
	PARTSCH		PARTSCH	
	13,5 cm	17,0 cm	13,5 cm	17,0 cm
2,0 mm	**128 33 62002**	**128 33 62202**	**128 33 62302**	**128 33 62502**
3,0 mm	**128 33 62003**	**128 33 62203**	**128 33 62303**	**128 33 62503**
4,0 mm	**128 33 62004**	**128 33 62204**	**128 33 62304**	**128 33 62504**
5,0 mm	**128 33 62005**	**128 33 62205**	**128 33 62305**	**128 33 62505**
6,0 mm	**128 33 62006**	**128 33 62206**	**128 33 62306**	**128 33 62506**
7,0 mm	**128 33 62007**	**128 33 62207**	**128 33 62307**	**128 33 62507**
8,0 mm	**128 33 62008**	**128 33 62208**	**128 33 62308**	**128 33 62508**

LEBSCHE
112 33 67824
24,5 cm

Kladiva, dláta, šídla

1/2

129 09 0600
13,0 cm



1/2

129 09 0610
15,0 cm

1/3

129 09 0620
24,0 cm

1/2

Fixátor prstu drátěný

vel. 1 - 34 492-01
vel. 2 - 34 492-02
vel. 3 - 34 492-03

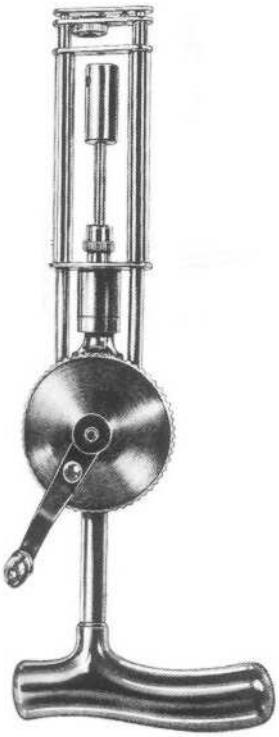
3B instruments

lékařské nástroje

131

Vrtačky, vrtáky, frézy

Vrtačky, vrtáky, frézy



KIRSCHNER
131 34 25000
Komplet

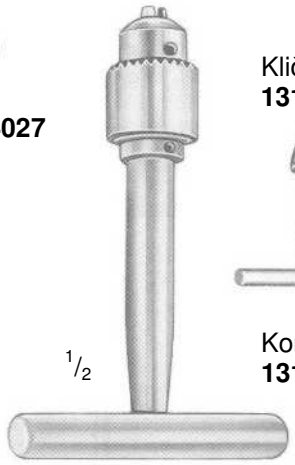
131 24 25200
Nástavec

1/2

HUDSON
131 34 24027
27,0 cm

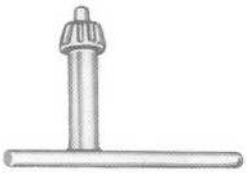
1/2

131 34 24600

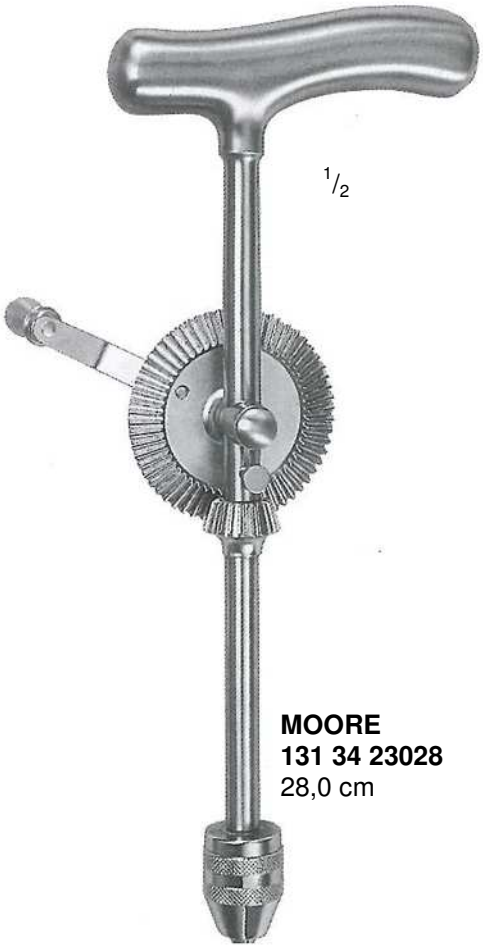


1/2

Klička – jednotlivě
131 34 29500



Komplet
131 34 29600



1/2

MOORE
131 34 23028
28,0 cm

RALK
131 34 28000
14,0 cm

Vrtačky, vrtáky, frézy

- **Kompatibilní s vrtačkami se standardním sklíčidlem**
  ∅ stopky 5,0 mm

131 34 21225
2,5 mm

131 34 21230
3,0 mm

131 34 21235
3,5 mm

131 34 21240
4,0 mm

131 34 21408
5,0 mm

131 34 21610
1,0 mm

131 34 21410
8,0 mm

131 34 21615
1,5 mm

131 34 21412
12,0 mm

131 34 21620
2,0 mm

131 34 21416
16,0 mm

- **Kompatibilní s vrtačkou kolovrátkovou HUDSON**
  131 34 24027 (viz str. 263)

131 34 24209
9,0 mm

MC KENZIE
131 34 24800
13,0 mm

131 34 24214
14,0 mm

ERRICO
131 34 24417
16,0 mm

131 34 24216
16,0 mm

CUSHING
131 34 24410 ∅ 10,0 mm
131 34 24414 ∅ 14,0 mm
131 34 24416 ∅ 16,0 mm

131 34 24222
22,0 mm

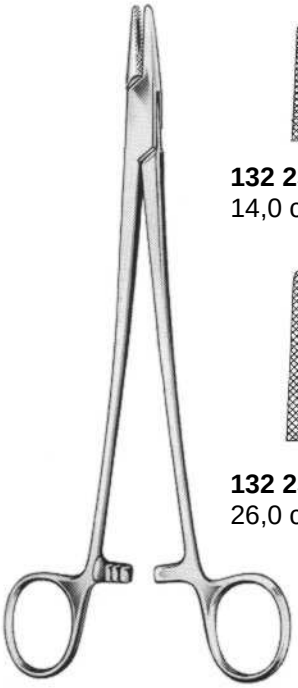
3B instruments

lékařské nástroje

132

Jehelce, jehly, sondy, jehelníky

Jehelce



1/1

132 25 18014
14,0 cm

1/1

132 06 0341
16,5 cm

1/1

132 25 18018
18,0 cm

1/1

132 25 18020
20,0 cm

1/1

132 25 18024
24,0 cm

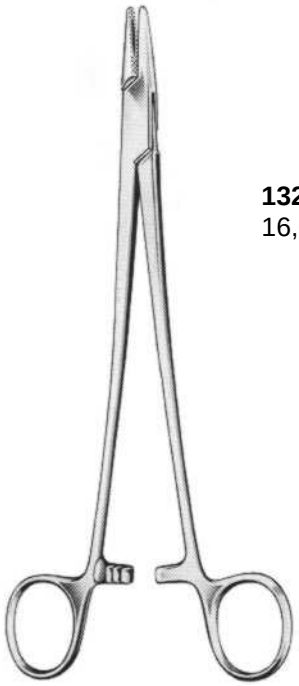
1/1

132 25 18026
26,0 cm

1/1

132 25 18030
30,0 cm

MAYO-HEGAR



1/1

132 25 19016
16,0 cm

1/1

132 25 19018
18,0 cm

1/1

132 25 19020
20,0 cm

MAYO-HEGAR
jemné provedení

Jehelce

1/1

132 06 0300
15,0 cm

1/1

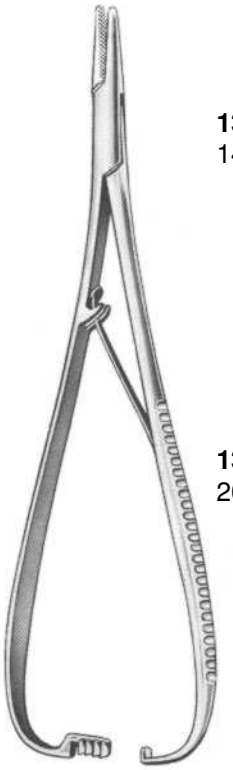
132 06 0310
15,5 cm

CRILLE

1/1

2/3

BOYNTON
132 38 0120
12,5 cm



1/1

132 06 0200
14,0 cm

1/1

132 06 0220
17,0 cm

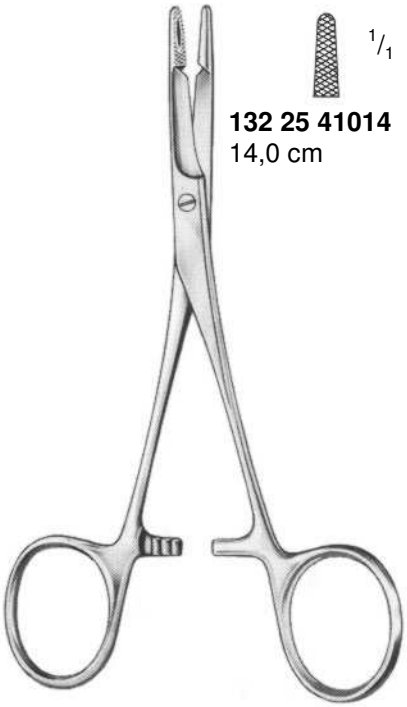
1/1

132 25 45020
20,0 cm

1/1

132 25 45024
24,0 cm

MATHIEU



1/1

132 25 41014
14,0 cm

1/1

132 25 41017
17,0 cm

OLSEN-HEGAR

Jehelce zlacené - tvrdokov

MAYO-HEGAR

132 25 18414
14,0 cm

132 06 0610
16,5 cm

132 25 18418
18,0 cm

132 06 0620
20,5 cm

1/1

132 25 18424
24,0 cm

132 06 0630
25,5 cm

132 25 18430
30,0 cm

1/1

DE BAKEY

132 25 21416
16,0 cm

132 25 21418
18,0 cm

132 25 21420
20,0 cm

1/1

132 25 21423
23,0 cm

132 25 21426
26,0 cm

132 25 21431
31,0 cm

1/1

Jemné provedení

132 25 23018
18,0 cm

132 25 23020
20,0 cm

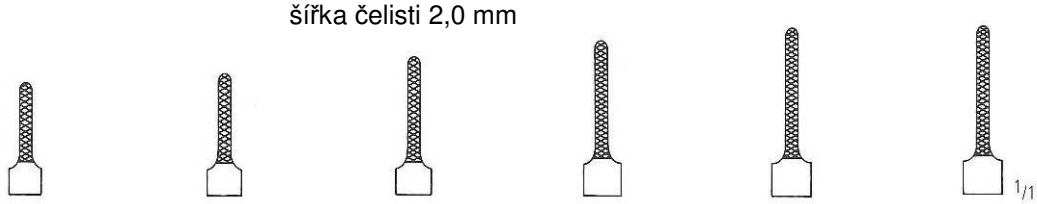
132 25 23023
23,0 cm

1/1

Jehelce zlacené - tvrdokov

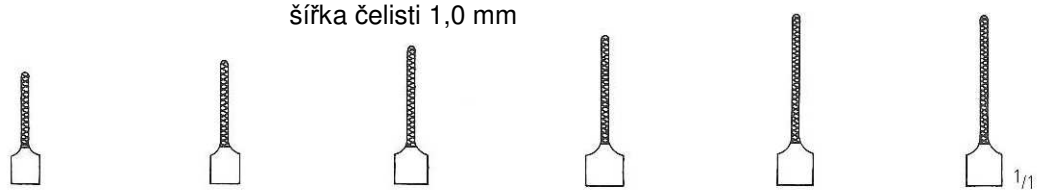
RYDER

šířka čelisti 2,0 mm



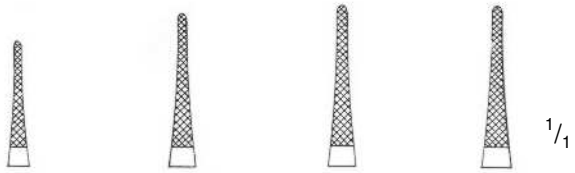
132 25 22513	**132 25 22515**	**132 25 22518**	**132 25 22520**	**132 25 22523**	**132 25 22526**
13,0 cm	15,0 cm	18,0 cm	20,0 cm	23,0 cm	26,0 cm

šířka čelisti 1,0 mm

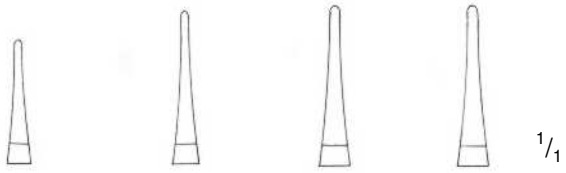


132 25 22413	**132 25 22415**	**132 25 22418**	**132 25 22420**	**132 25 22423**	**132 25 22426**
13,0 cm	15,0 cm	18,0 cm	20,0 cm	23,0 cm	26,0 cm

MICROVASCULAR



132 08 43814	**132 08 43818**	**132 08 43820**	**132 08 43823**
14,0 cm	18,0 cm	20,0 cm	23,0 cm

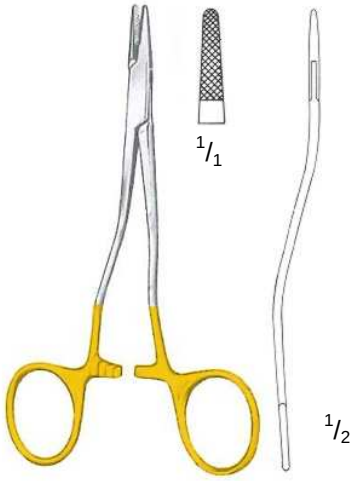


132 08 43614	**132 08 43618**	**132 08 43620**	**132 08 43623**
14,0 cm	18,0 cm	20,0 cm	23,0 cm

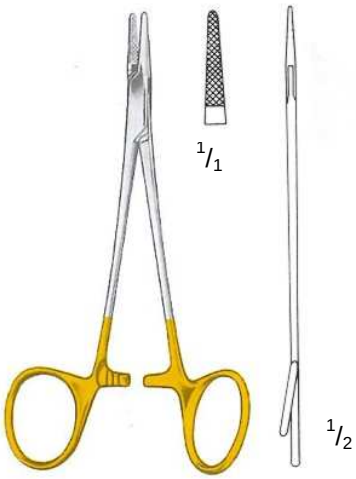
Jehelce zlacené - tvrdokov

BOYNTON
132 25 61512
12,0 cm

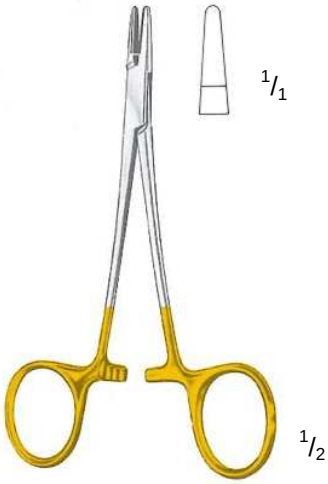
DERF
132 25 11412
12,0 cm



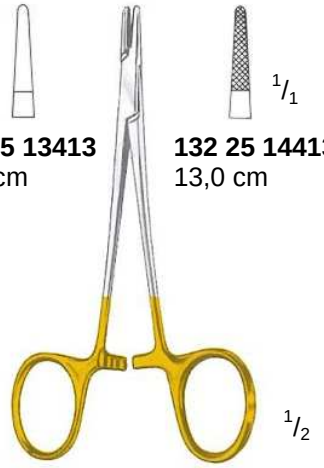
KILNER
132 25 43813
13,0 cm



NEIVERT
132 25 14813
13,0 cm



WEBSTER
132 25 12913
13,0 cm



132 25 13413
13,0 cm

132 25 14413
13,0 cm

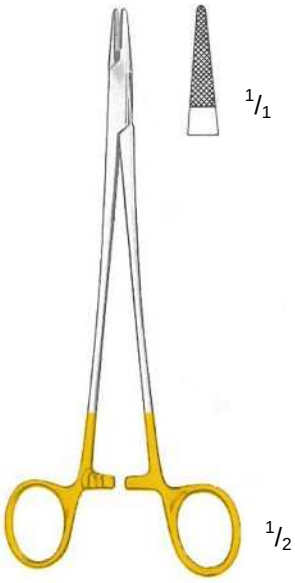
HALSEY
13,0 cm

Jehelce zlacené - tvrdokov

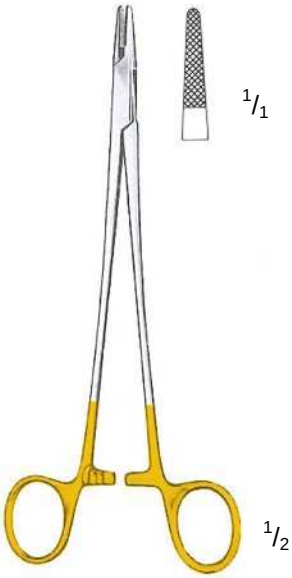
132 25 15412
12,5 cm

132 25 15414
14,0 cm

BAUMGARTNER



BABY-CRILE-WOOD
132 08 46815
15,0 cm



CRILE-WOOD
132 25 16415
15,0 cm

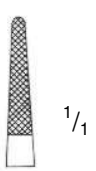
NEW ORLEANS
132 08 44618
18,0 cm

132 08 44815
15,0 cm

132 08 44817
17,0 cm

SENNING

Jehelce zlacené - tvrdokov



1/1

132 08 47018
18,0 cm

1/1

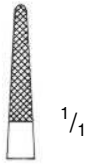
132 08 47020
20,0 cm

1/1

132 08 47023
23,0 cm

1/2

GRILE-WOOD



1/1

132 25 32418
18,0 cm

1/1

132 25 32426
26,0 cm

1/2

SAROT

1/1

1/3

FINOCCHIETTO
132 25 31520 20,0 cm
132 25 31527 27,0 cm

1/1

1/3

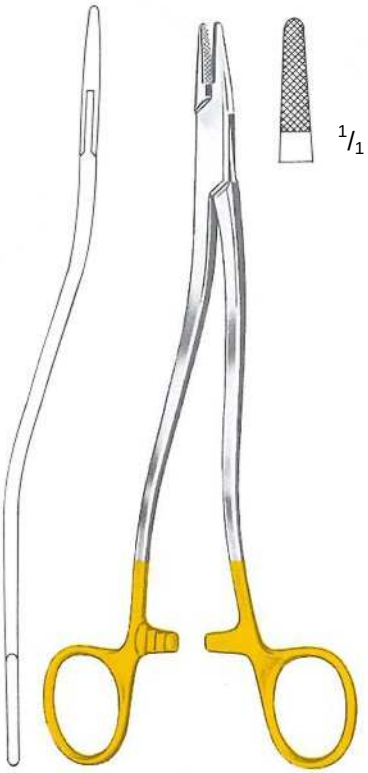
WANGENSTEEN
132 25 26427
27,0 cm

1/1

1/3

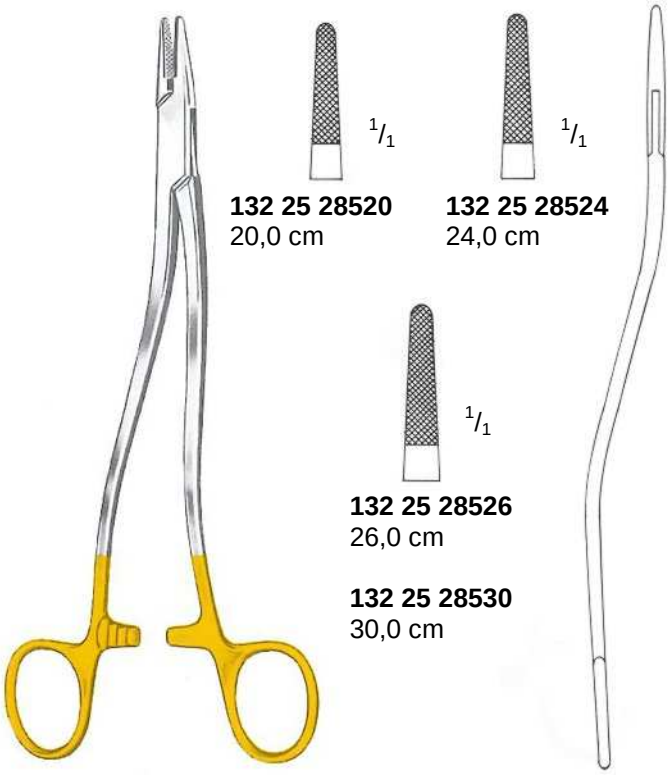
MASSON
132 25 25427
27,0 cm

Jehelce zlacené - tvrdokov



BOZEMANN-provedení ČR

132 06 0710	16,0 cm
132 06 0720	20,0 cm
132 06 0730	25,0 cm



132 25 28520
20,0 cm

132 25 28524
24,0 cm

132 25 28526
26,0 cm

132 25 28530
30,0 cm

BOZEMANN-provedení SRN

132 25 40712
11,5 cm

132 25 41414
14,0 cm

132 25 41417
17,0 cm

132 25 41418
18,0 cm

OLSEN-HEGAR

HEANEY
132 25 24521
21,0 cm

Jehelce zlacené - tvrdokov

1/1

1/2

CRILE
132 06 0450
16,0 cm

1/1

132 06 0003
16,0 cm

1/1

132 06 0003A
16,0 cm

1/2

CRILE diamantovaný
16,0 cm

1/1

132 25 46018
18,0 cm

1/1

132 25 46020
20,0 cm

1/1

132 25 46023
23,0 cm

1/1

132 08 54218
18,0 cm

1/1

132 08 54220
20,0 cm

Jehelce zlacené - tvrdokov

1/1

132 06 0500
17,0 cm

1/1

132 06 0510
21,5 cm

1/1

132 06 0520
14,0 cm

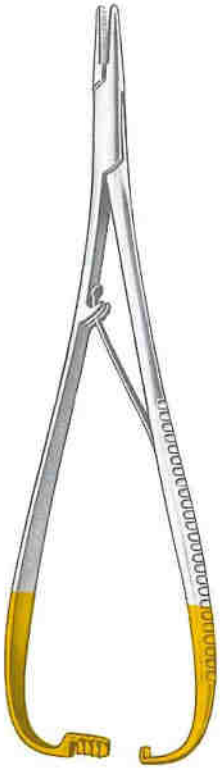
1/2

MATHIEU-provedení ČR

1/1

1/2

MATHIEU-provedení ČR
132 06 0830
20,5 cm



1/1

132 25 45214
14,0 cm

1/1

132 25 45217
17,0 cm

1/1

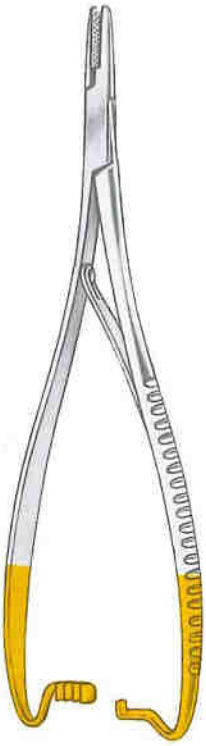
132 25 45220
20,0 cm

1/1

132 25 45224
24,0 cm

1/2

MATHIEU-provedení SRN



1/1

132 08 50217
17,0 cm

1/1

132 08 50220
20,0 cm

1/1

132 08 50223
23,0 cm

1/2

MATHIEU-provedení SRN

Jehelce zlacené - tvrdokov

1/1

132 25 46520
20,0 cm

1/1

132 25 46525
25,0 cm

1/2

HOESEL

1/1

132 08 53520
20,0 cm

1/1

132 25 44725
25,0 cm

1/2

HOESEL

1/1

132 08 50717
17,0 cm

1/1

132 08 50719
19,5 cm

1/2

METZENBAUM

1/1

132 08 51017
17,0 cm

1/1

132 08 51020
20,0 cm

1/1

132 08 51024
24,0 cm

1/2

MATHIEU-RYDER

Jehelce zlacené - tvrdokov

1/1

132 08 55013
13,0 cm

1/1

132 08 55018
18,0 cm

1/2

STERNUM

1/1

1/2

BERRY
132 08 55218
18,5 cm

1/1

132 08 57014
14,0 cm

1/1

132 08 57114
14,0 cm

1/1

132 25 67614
14,0 cm

1/1

132 25 67714
14,0 cm

1/2

CASTROVIEJO
14,0 cm

1/1

132 08 57618
18,0 cm

1/1

132 08 57718
18,0 cm

1/1

132 08 57818
18,0 cm

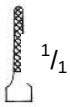
1/1

132 08 57918
18,0 cm

1/2

CASTROVIEJO
18,0 cm

Jehelce zlacené - tvrdokov



1/1

132 08 58216
16,0 cm

1/1

132 08 58218
18,0 cm

1/1

132 08 58220
20,0 cm

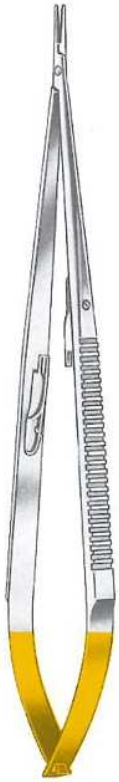
1/1

132 08 58223
23,0 cm

1/1

132 08 58226
26,0 cm

DIETHRICH



1/1

132 08 58001
21,0 cm

1/1

132 25 66818
18,0 cm

132 25 66823
23,0 cm

1/2

JACOBSON

1/1

1/2

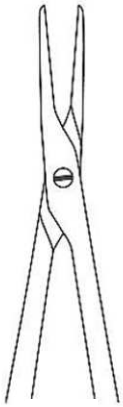
POTTS - SMITH
132 08 58822
22,0 cm

1/1

1/2

CASTROVIEJO
132 25 68413
13,0 cm

Jehelce



1/1

BEZ ZÁMKU

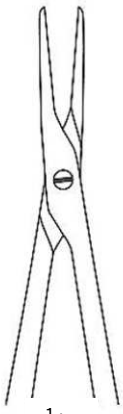
BARRAQUER

1/1

1/1

11,5 cm	**132 25 66012**	**132 25 66112**
13,0 cm	**132 25 66013**	**132 25 66113**
14,0 cm	**132 25 66014**	**132 25 66114**
18,0 cm	**132 25 70018**	**132 25 70118**

BEZ ZÁMKU
hladké čelisti



1/1

SE ZÁMKEM

BARRAQUER

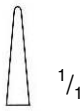
1/1

1/1

11,5 cm	**132 25 72012**	**132 25 73112**
13,0 cm	**132 25 72013**	**132 25 73113**
14,0 cm	**132 25 72014**	**132 25 73114**
18,0 cm	**132 25 73018**	**132 25 73118**
21,0 cm	**132 25 73021**	**132 25 73121**
23,0 cm	**132 25 73023**	**132 25 73123**

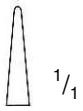
SE ZÁMKEM
hladké čelisti

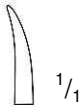
Jehelce



15,0 cm	**132 93 25015T**	**132 93 25115T**
18,0 cm	**132 93 25018T**	**132 93 25118T**
21,0 cm	**132 93 25021T**	**132 93 25121T**

BEZ ZÁMKU
hladké čelisti



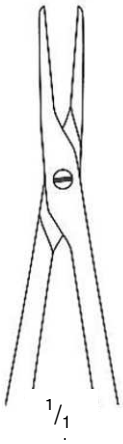


15,0 cm	**132 93 26015T**	**132 93 26115T**
18,0 cm	**132 93 26018T**	**132 93 26118T**
21,0 cm	**132 93 26021T**	**132 93 26121T**

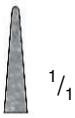
SE ZÁMKEM
hladké čelisti

BARRAQUER
titanové provedení
BEZ ZÁMKU

BARRAQUER
titanové provedení
SE ZÁMKEM



SE ZÁMKEM

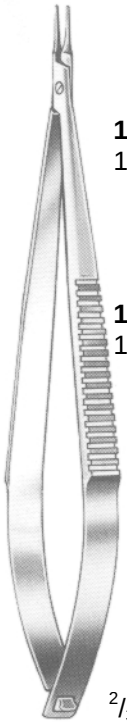


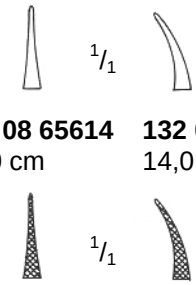
11,5 cm	**132 25 72012D**	**132 25 67112D**
13,0 cm	**132 25 72013D**	**132 25 67113D**
14,0 cm	**132 25 72014D**	**132 25 67114D**
18,0 cm	**132 25 73018D**	**132 25 73118D**
21,0 cm	**132 25 73021D**	**132 25 73121D**
23,0 cm	**132 25 73023D**	**132 25 73123D**

SE ZÁMKEM
diamantovaný povrch čelistí

BARRAQUER
Diamantovaný povrch
nanesená vrstva diamantového prachu
pro velmi jemné jehly a šicí materiál

Jehelce





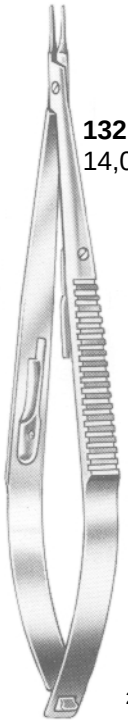
132 08 65614
14,0 cm

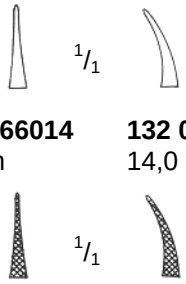
132 08 65714
14,0 cm

132 08 65814
14,0 cm

132 08 65914
14,0 cm

CASTROVIEJO
14,0 cm





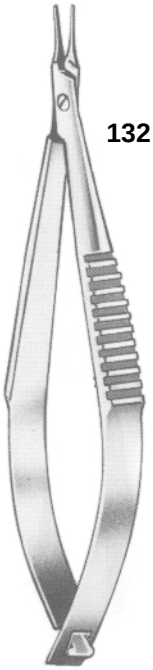
132 08 66014
14,0 cm

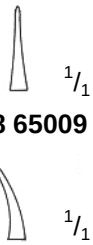
132 08 66114
14,0 cm

132 08 66214
14,0 cm

132 08 66314
14,0 cm

CASTROVIEJO
14,0 cm

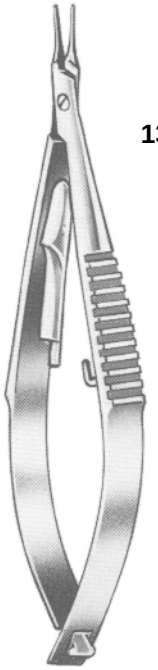




132 08 65009

132 08 65109

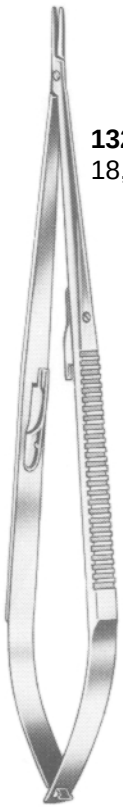
CASTROVIEJO
9,0 cm



132 08 65209

132 08 65309

CASTROVIEJO
9,0 cm



132 08 67818
18,0 cm

132 08 67821
21,0 cm

JACOBSON

Jehelce

1/1

132 25 73018
18,0 cm

1/1

132 25 73118
18,0 cm

1/1

BARRAQUER
18,0 cm

1/1

132 25 70018
18,0 cm

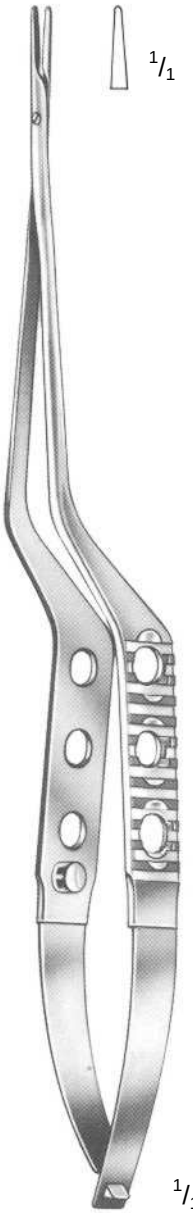
1/1

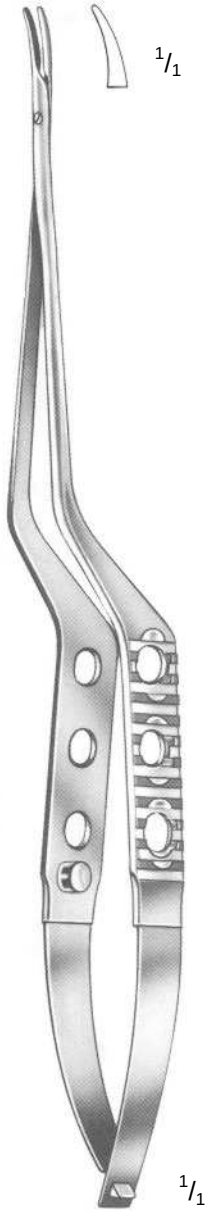
132 25 70118
18,0 cm

1/1

BARRAQUER
18,0 cm

Jehelce





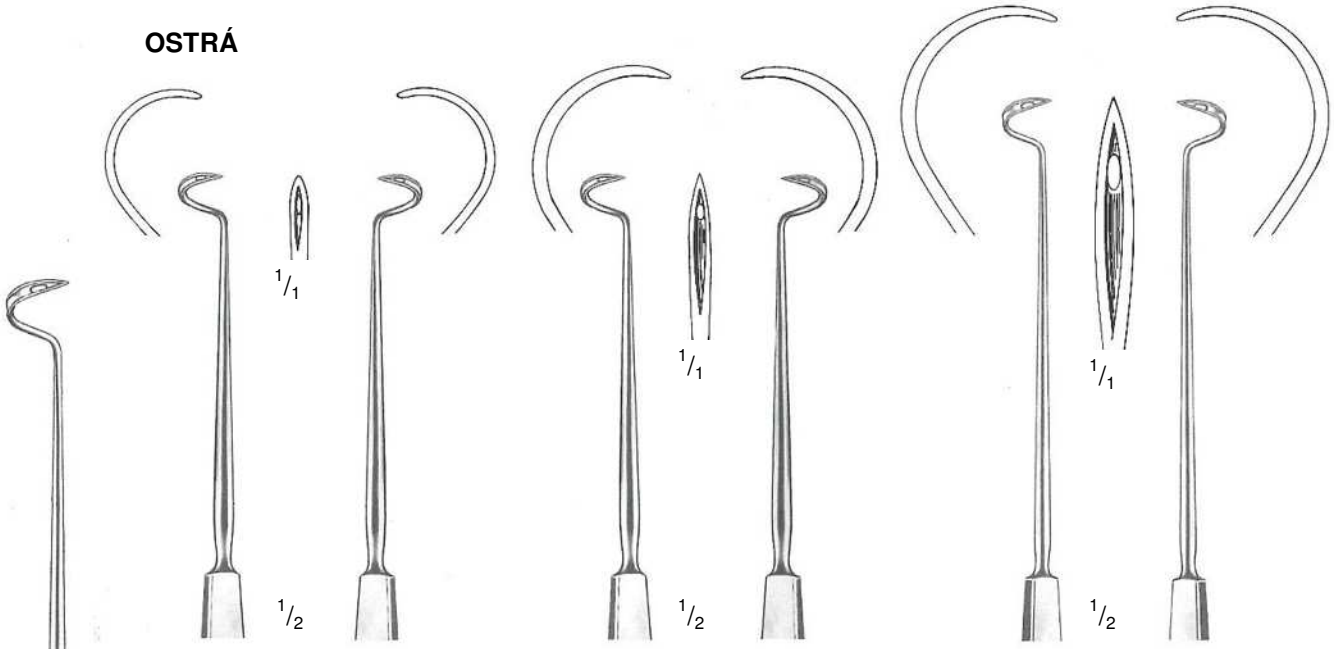
132 08 68016	16,0 cm
132 08 68018	18,0 cm
132 08 68020	20,0 cm
132 08 68022	22,0 cm

132 08 68116	16,0 cm
132 08 68118	18,0 cm
132 08 68120	20,0 cm
132 08 68122	22,0 cm

Jehly

DESCHAMPS

OSTRÁ



132 08 72020
20,0 cm

132 08 72120
20,0 cm

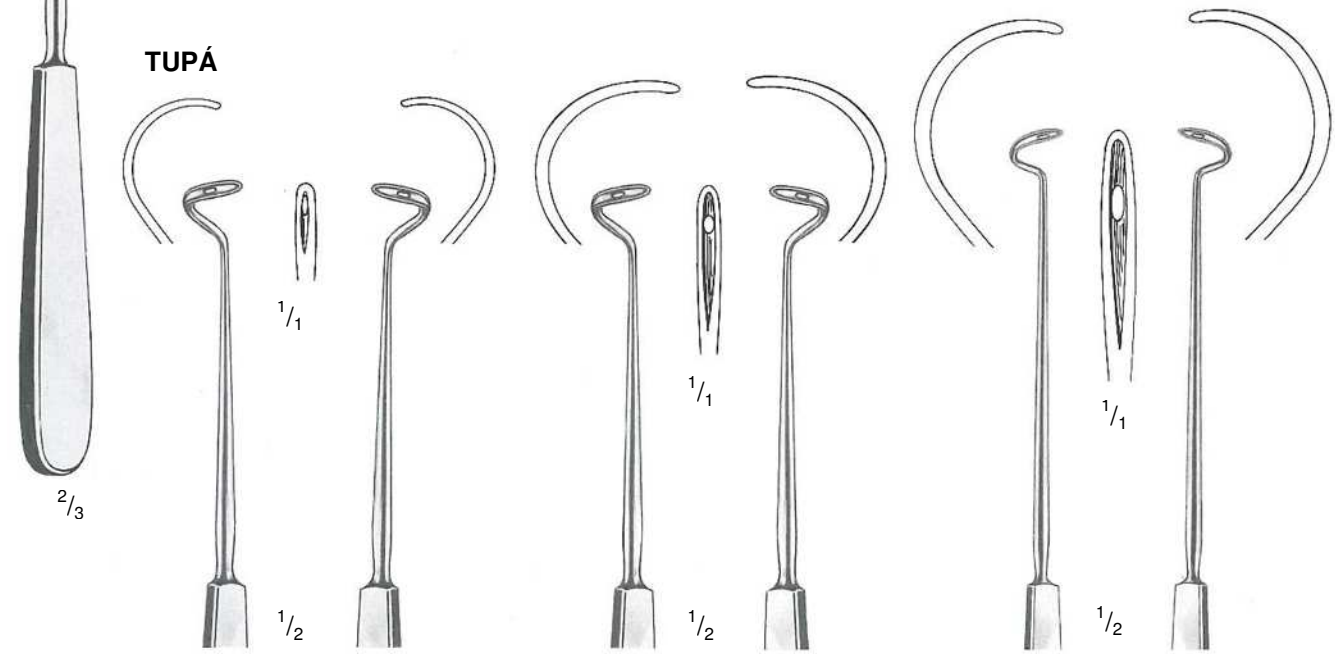
132 08 72220
20,0 cm

132 08 72320
20,0 cm

132 08 72421
21,0 cm
132 08 72427
27,0 cm

132 08 72521
21,0 cm
132 08 72527
27,0 cm

TUPÁ



132 08 72820
20,0 cm

132 08 72920
20,0 cm

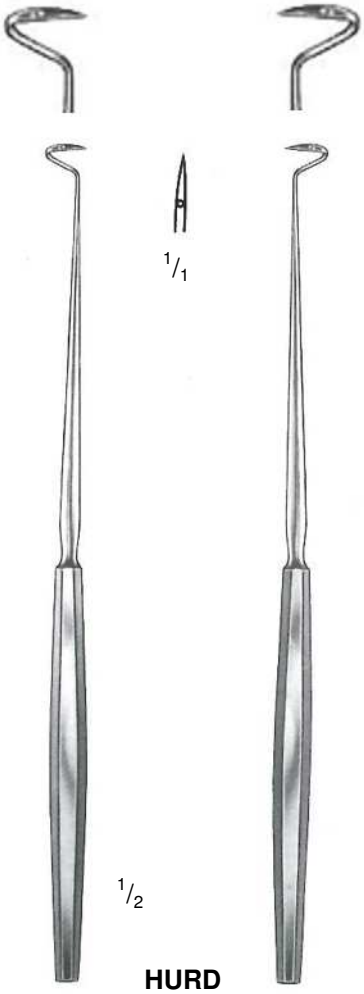
132 08 73020
20,0 cm

132 08 73120
20,0 cm

132 08 73221
21,0 cm
132 08 73227
27,0 cm

132 08 73321
21,0 cm
132 08 73327
27,0 cm

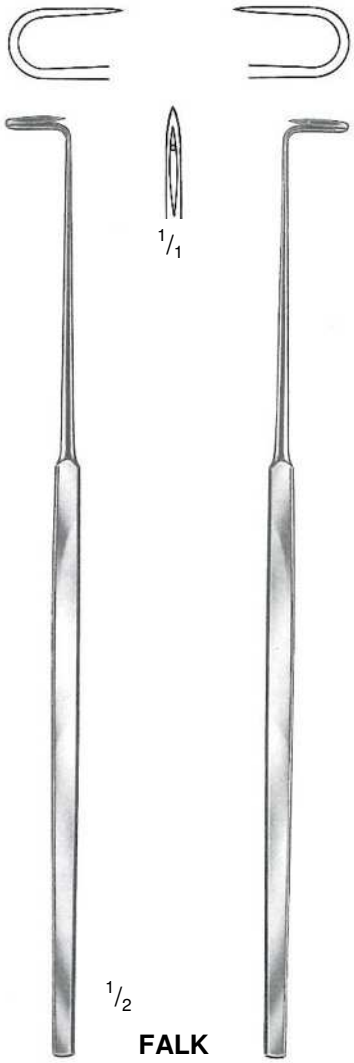
Jehly



HURD

132 08 77401
21,0 cm

132 08 77402
21,0 cm



FALK

132 08 78001
24,0 cm

132 08 78002
24,0 cm

REVERDIN
15,0 cm

132 27 20115
15,0 cm

132 27 20215
15,0 cm

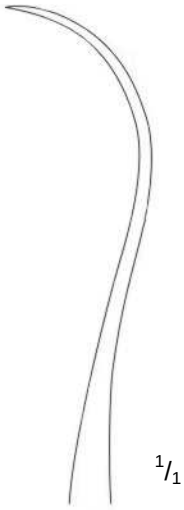
132 27 20315
15,0 cm

132 27 20415
15,0 cm

Jehly

132 27 20119
19,0 cm

132 27 20219
19,0 cm



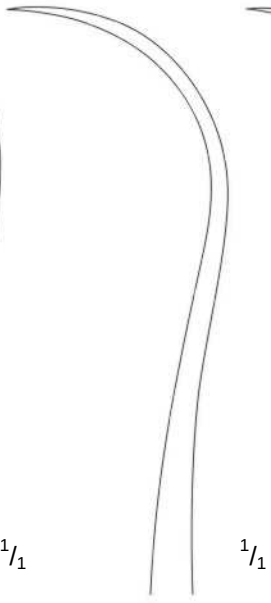
132 27 20319
19,0 cm

132 27 20419
19,0 cm

REVERDIN

132 27 20121
21,0 cm

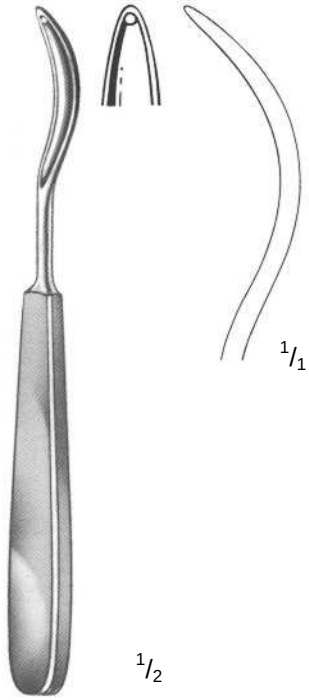
132 27 20221
21,0 cm



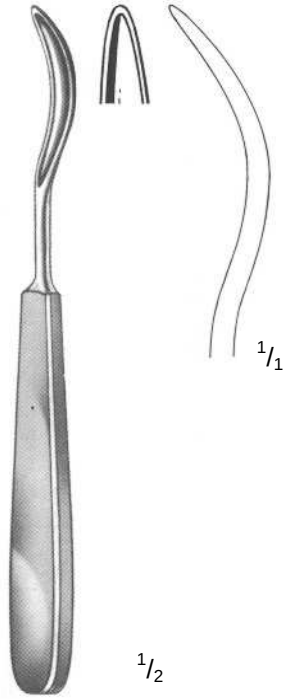
132 27 20321
21,0 cm

132 27 20421
21,0 cm

Sondy



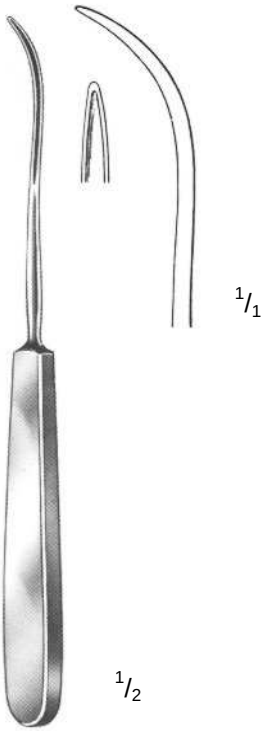
SCHMIEDEN-PAYR
132 08 80619
19,0 cm



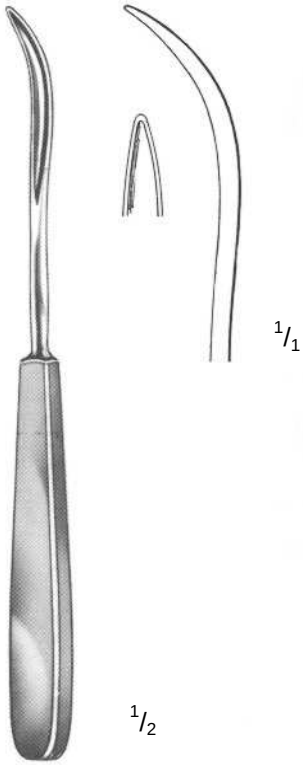
SCHMIEDEN-PAYR
132 08 80719
19,0 cm

PAYR
132 08 80222
22,0 cm

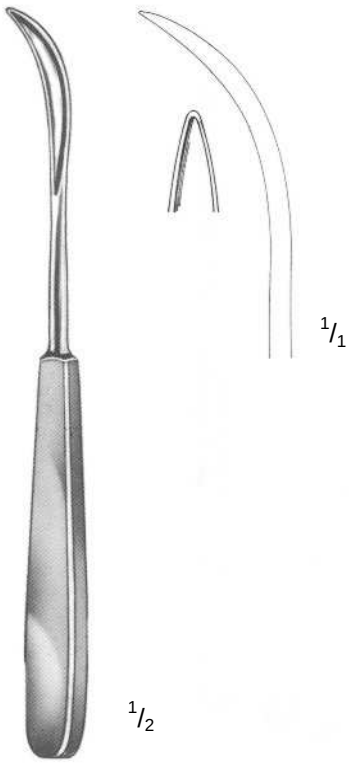
PAYR
132 08 80322
22,0 cm



KÖNIG
132 08 80803
19,5 cm

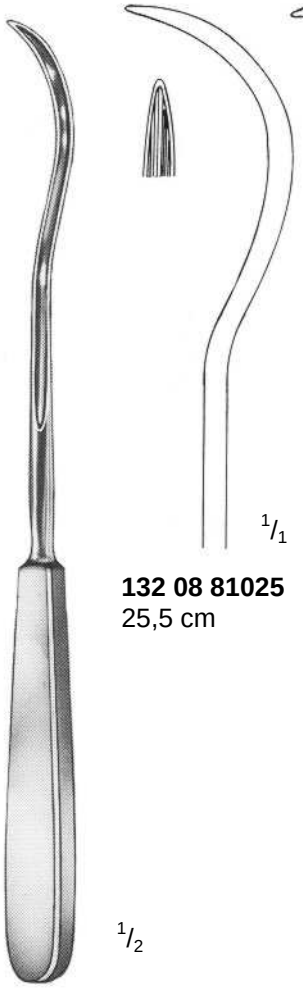


KÖNIG
132 08 80805
19,5 cm

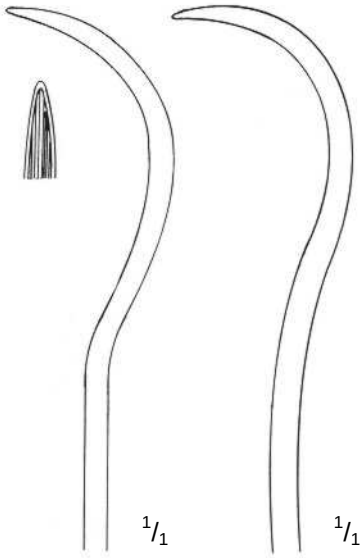


KÖNIG
132 08 80807
19,5 cm

Sondy

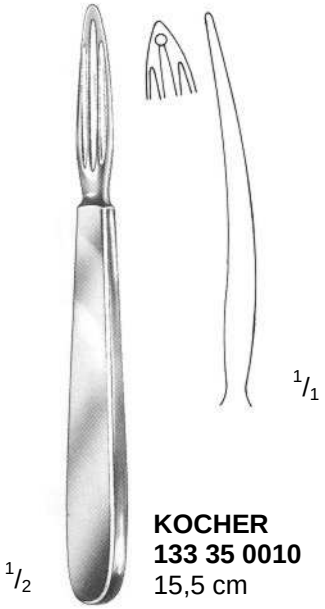


KIRSCHNER



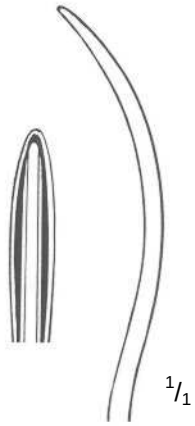
132 08 81025
25,5 cm

132 08 81128
28,0 cm

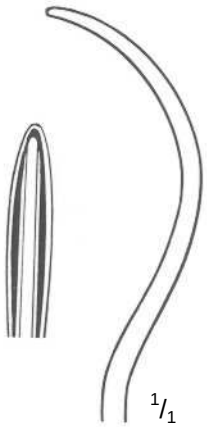


KOCHER
133 35 0010
15,5 cm

BRUNNER
30,0 cm

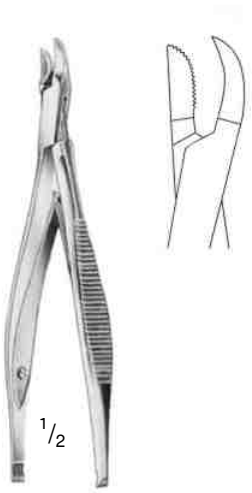


132 08 80001
30,0 cm

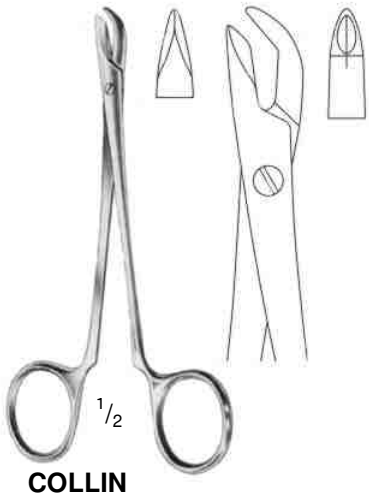


132 08 80002
30,0 cm

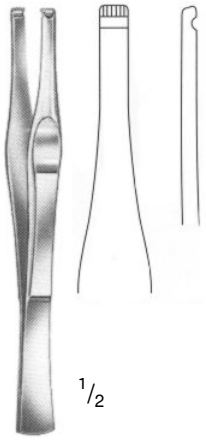
Svorky šicí



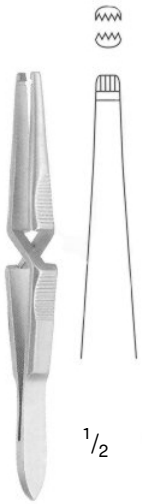
MICHEL
114 06 0040
12,0 cm



COLLIN
114 27 64013
13,0 cm



MICHEL
114 27 61012
12,0 cm



HEGENBARTH
114 06 0010
12,0 cm

Jehly, jehelníky

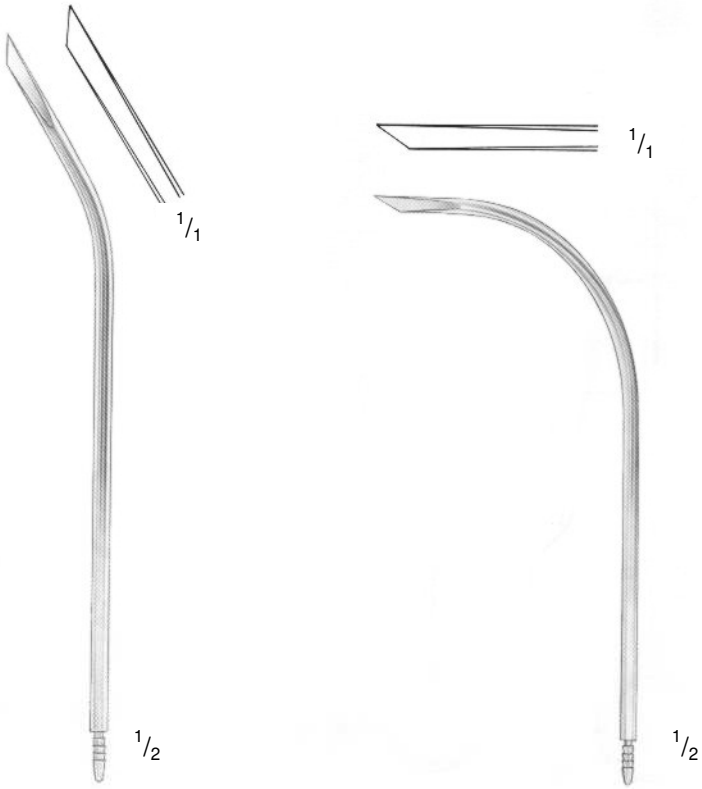
JEHELNÍK SLOŽENÝ
132 89 11265
∅ 65 × 15 mm

JEHELNÍK
132 89 11365
∅ 62 × 13 mm

JEHELNÍK
132 89 11400
150 × 95 × 13 mm

JEHELNÍK
132 89 11021
210 × 125 × 17 mm

Jehly Redon



1/1 Zakončení kužel

132 23 19508	2,66 mm	8 Charr.	**132 23 19708**	2,66 mm	8 Charr.
132 23 19510	3,33 mm	10 Charr.	**132 23 19710**	3,33 mm	10 Charr.
132 23 19512	4,00 mm	12 Charr.	**132 23 19712**	4,00 mm	12 Charr.
132 23 19514	4,66 mm	14 Charr.	**132 23 19714**	4,66 mm	14 Charr.
132 23 19516	5,33 mm	16 Charr.	**132 23 19716**	5,33 mm	16 Charr.
132 23 19518	6,00 mm	18 Charr.	**132 23 19718**	6,00 mm	18 Charr.

1/1 Zakončení závit

132 23 19508Z	2,66 mm	8 Charr.	**132 23 19708Z**	2,66 mm	8 Charr.
132 23 19510Z	3,33 mm	10 Charr.	**132 23 19710Z**	3,33 mm	10 Charr.
132 23 19512Z	4,00 mm	12 Charr.	**132 23 19712Z**	4,00 mm	12 Charr.
132 23 19514Z	4,66 mm	14 Charr.	**132 23 19714Z**	4,66 mm	14 Charr.
132 23 19516Z	5,33 mm	16 Charr.	**132 23 19716Z**	5,33 mm	16 Charr.
132 23 19518Z	5,33 mm	18 Charr.	**132 23 19718Z**	5,33 mm	18 Charr.

3B instruments

lékařské nástroje

133

Pátradla, sondy

Pátradla, sondy

1/2

133 08 0020 15,0 cm
133 08 0050 20,0 cm
133 08 0060 25,0 cm
∅ 2,0/∅ 2,0 mm

1/2

133 08 0100 15,0 cm
133 08 0110 20,0 cm
133 08 0120 25,0 cm
∅ 2,0/3,5 mm

1/2

133 08 0090 13,5 cm
4,5 mm

1/2

133 38 0060 ∅ 0,5 mm
133 38 0070 ∅ 0,7 mm
133 38 0080 ∅ 0,9 mm
13,0 cm

1/2

133 29 0010
9,5 cm

1/2

133 30 0030
13,5 cm

Pátradla, sondy

NABATOFF
133 21 15000
13,5 × 10,0 × 2,5 cm

133 21 15002

133 21 15080

133 21 15090

1/1

133 21 15003
∅ 3,0 mm

1/1

133 21 15006
∅ 6,0 mm

1/1

133 21 15009
∅ 9,0 mm

1/1

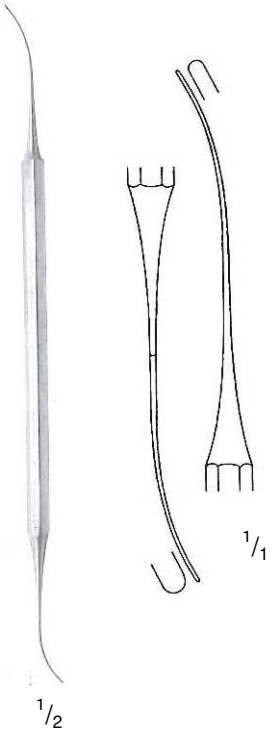
133 21 15012
∅ 12,0 mm

1/1

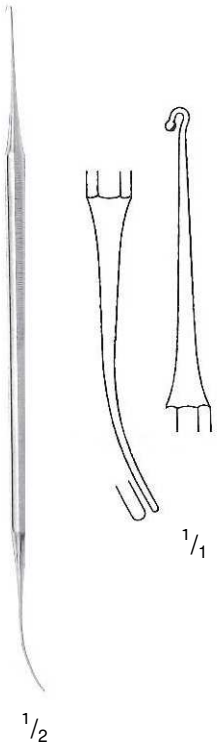
133 21 15015
∅ 15,0 mm

Háčky Varady

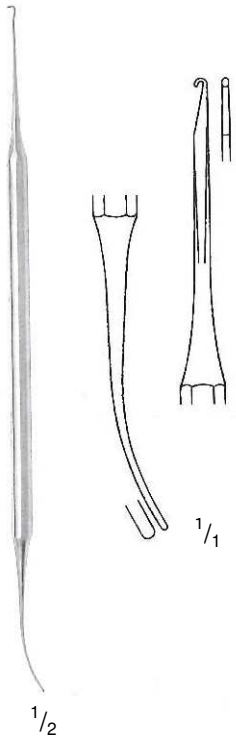
VARADY
21 154-01
180 mm, fig. 1



VARADY
21 154-02
180 mm, fig. 2

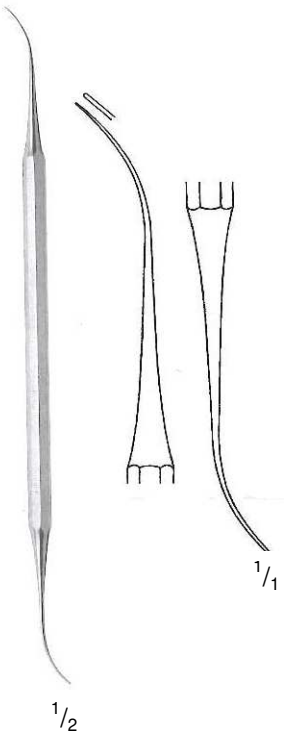


VARADY
21 154-03
180 mm, fig. 3

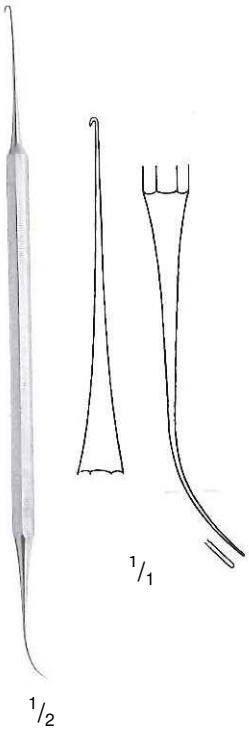


Háčky Varady

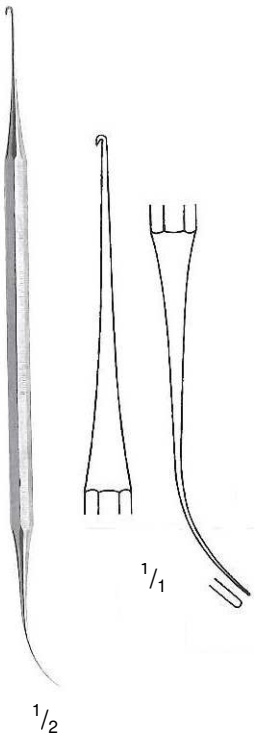
VARADY
21 154-04
175 mm, fig. 4



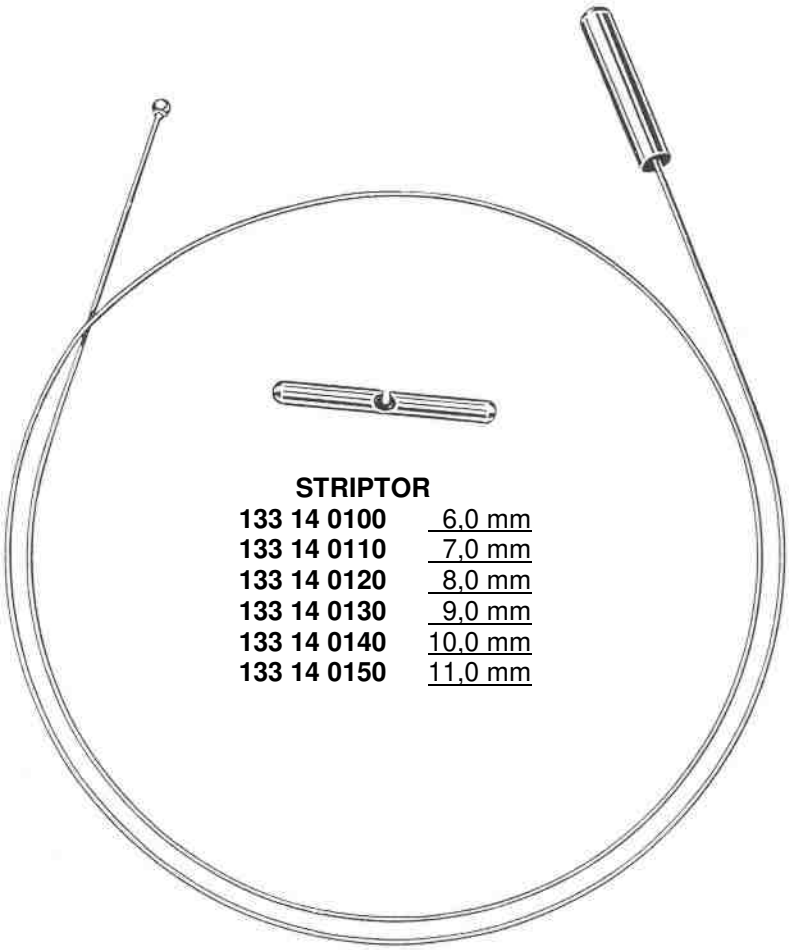
VARADY
21 154-05
170 mm, fig. 5



VARADY
21 154-06
170 mm, fig. 6

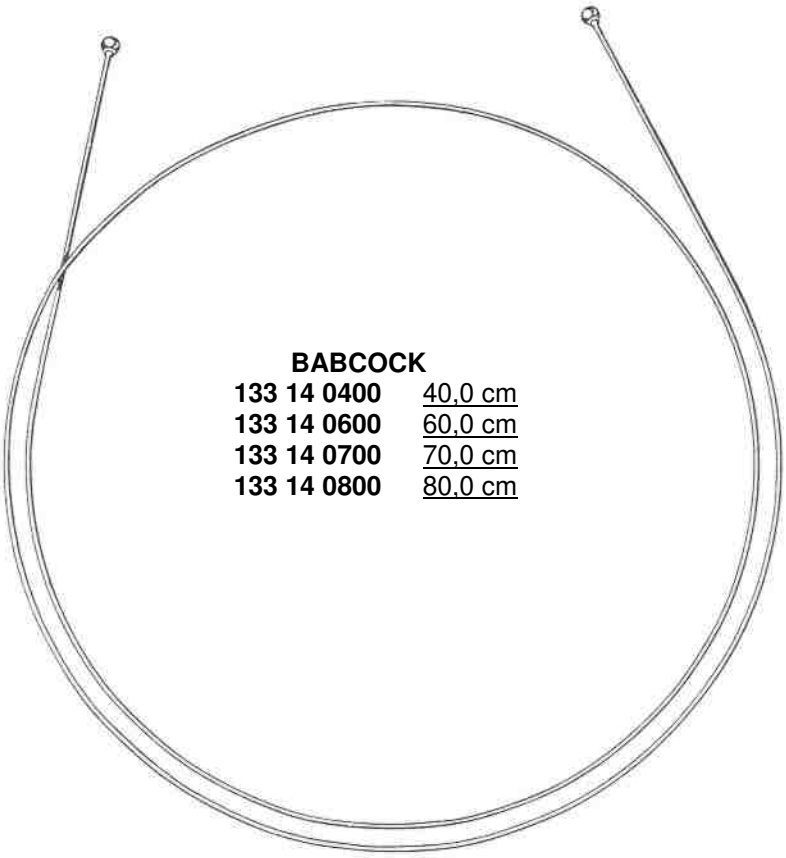


Pátradla, sondy



STRIPTOR

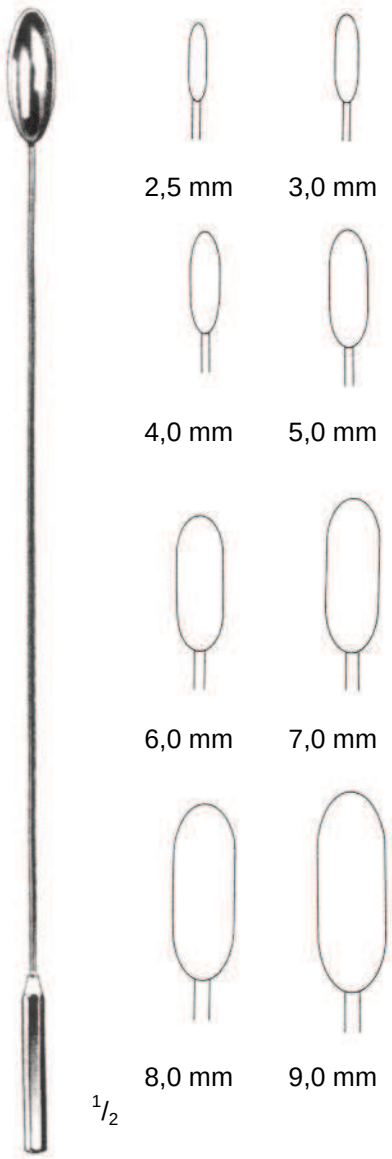
133 14 0100	6,0 mm
133 14 0110	7,0 mm
133 14 0120	8,0 mm
133 14 0130	9,0 mm
133 14 0140	10,0 mm
133 14 0150	11,0 mm



BABCOCK

133 14 0400	40,0 cm
133 14 0600	60,0 cm
133 14 0700	70,0 cm
133 14 0800	80,0 cm

Pátradla, sondy



BAKEŠ

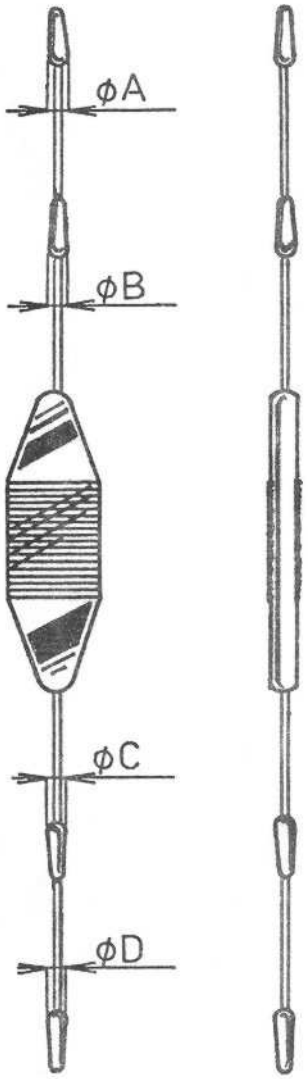
133 20 0050	sada
133 20 0070	∅ 2,5 mm
133 20 0080	∅ 3,0 mm
133 20 0090	∅ 4,0 mm
133 20 0100	∅ 5,0 mm
133 20 0110	∅ 6,0 mm
133 20 0120	∅ 7,0 mm
133 20 0130	∅ 8,0 mm
133 20 0140	∅ 9,0 mm

GARRETT

133 21 02100	sada
133 21 02110	1,0 mm
133 21 02115	1,5 mm
133 21 02120	2,0 mm
133 21 02125	2,5 mm
133 21 02130	3,0 mm
133 21 02135	3,5 mm
133 21 02140	4,0 mm
133 21 02145	4,5 mm
133 21 02150	5,0 mm

21,0 cm

Pátradla, sondy



vel.	A	B	C	D
1	12	14	18	16
2	14	16	20	18
3	20	22	26	24
4	22	24	28	26

Rozměry jsou udány v Charr.

vel. 1	**133 22 0011**
vel. 2	**133 22 0012**
vel. 3	**133 22 0013**
vel. 4	**133 22 0014**

3B instruments

lékařské nástroje

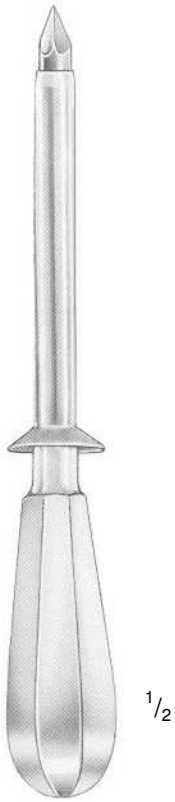
134

Trokary, odsávačky, kanyly, dilatátory, cévky

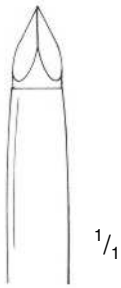
Trokary

STANDARD

134 08 12030	∅ 3,0 mm
134 08 12040	∅ 4,0 mm
134 08 12050	∅ 5,0 mm
134 08 12060	∅ 6,0 mm

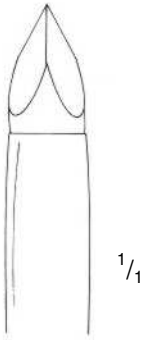


NELSON
21,0 cm



134 08 14001
∅ 7,5 mm

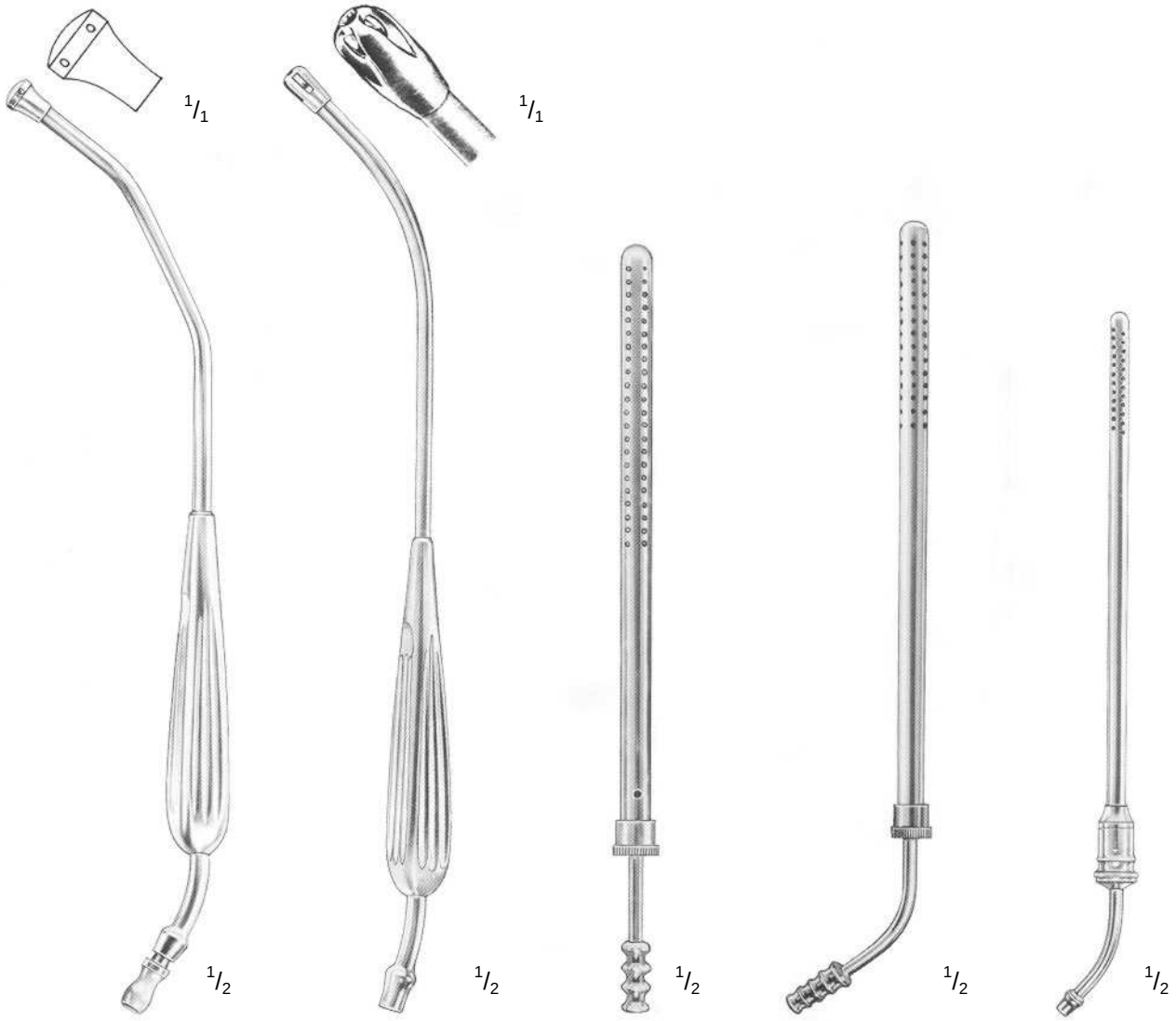
134 08 14002
∅ 9,5 mm



134 08 14003
∅ 11,0 mm

134 08 14004
∅ 12,5 mm

Odsávačky



YANKAUER
134 08 40000
27,0 cm
∅ 10,0 mm

DE BAKEY
134 08 40800
27,5 cm
∅ 9,0 mm

POOLE
134 08 42022
22,0 cm
∅ 10,0 mm

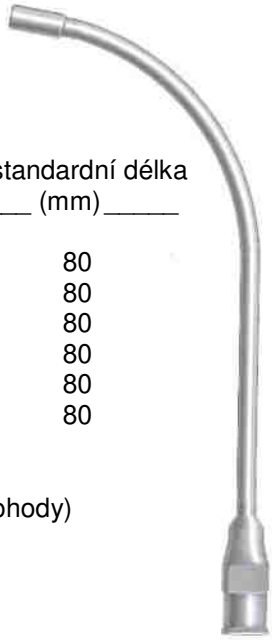
POOLE
134 08 42122
23,0 cm
∅ 8,0 mm

BABY-POOLE
134 08 42220
20,0 cm
∅ 5,5 mm

SÁNÍ PROPLACHOVACÍ (LUER)

Obj. číslo	∅ (mm)	standardní délka (mm)
162 08 0101	0,8	80
162 08 0102	1,0	80
162 08 0103	1,2	80
162 08 0104	1,5	80
162 08 0105	1,8	80
162 08 0106	2,0	80

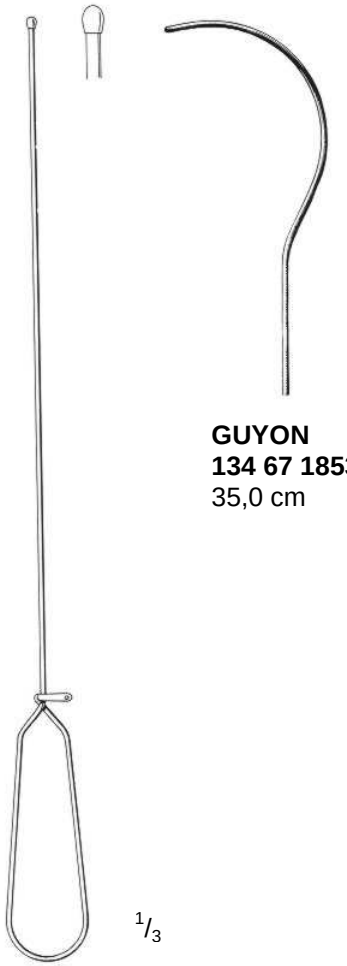
(Jiné velikosti a tvary dle dohody)



Obj. číslo	∅ (mm)	standardní délka (mm)
162 08 0111	0,8	80
162 08 0112	1,0	80
162 08 0113	1,2	80
162 08 0114	1,5	80
162 08 0115	1,8	80
162 08 0116	2,0	80

(Jiné velikosti a tvary dle dohody)

Dilatátory



1/3

GUYON
134 67 18535
35,0 cm

GUYON
134 67 18439
39,0 cm

1/2

van BUREN
28,0 cm

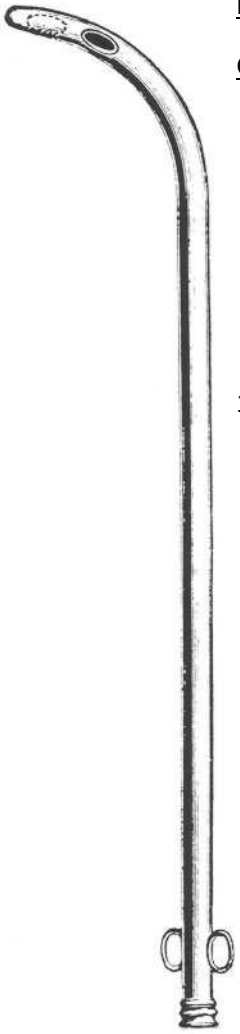
134 67 20108	8 Charr.
134 67 20110	10 Charr.
134 67 20112	12 Charr.
134 67 20114	14 Charr.
134 67 20116	16 Charr.
134 67 20118	18 Charr.
134 67 20120	20 Charr.
134 67 20122	22 Charr.
134 67 20124	24 Charr.
134 67 20126	26 Charr.
134 67 20128	28 Charr.
134 67 20130	30 Charr.
134 67 20132	32 Charr.
134 67 20134	34 Charr.
134 67 20136	36 Charr.
.	
.	

1/2

GUYON
27,0 cm

134 67 20508	8 Charr.
134 67 20510	10 Charr.
134 67 20512	12 Charr.
134 67 20514	14 Charr.
134 67 20516	16 Charr.
134 67 20518	18 Charr.
134 67 20520	20 Charr.
134 67 20522	22 Charr.
134 67 20524	24 Charr.
134 67 20526	26 Charr.
134 67 20528	28 Charr.
134 67 20530	30 Charr.
134 67 20532	32 Charr.
134 67 20534	34 Charr.
134 67 20536	36 Charr.
134 67 20538	38 Charr.
134 67 20540	40 Charr.

Cévky



Převodník číslování Charrier na milimetry.

Charr.	mm	Charr.	mm	Charr.	mm	Charr.	mm
1	0,33	11	3,66	21	7,00	31	10,33
2	0,66	12	4,00	22	7,33	32	10,66
3	1,00	13	4,33	23	7,66	33	11,00
4	1,33	14	4,66	24	8,00	34	11,33
5	1,66	15	5,00	25	8,33	35	11,66
6	2,00	16	5,33	26	8,66	36	12,00
7	2,33	17	5,66	27	9,00	37	12,33
8	2,66	18	6,00	28	9,33	38	12,66
9	3,00	19	6,33	29	9,66	39	13,00
10	3,33	20	6,66	30	10,00	40	13,33

27,00 cm

134 67 21108	8 Charr.
134 67 21110	10 Charr.
134 67 21112	12 Charr.
134 67 21114	14 Charr.
134 67 21116	16 Charr.
134 67 21118	18 Charr.
134 67 21120	20 Charr.
134 67 21122	22 Charr.
134 67 21124	24 Charr.

15,0 cm

134 67 21308	8 Charr.
134 67 21310	10 Charr.
134 67 21312	12 Charr.
134 67 21314	14 Charr.
134 67 21316	16 Charr.
134 67 21318	18 Charr.
134 67 21320	20 Charr.
134 67 21322	22 Charr.
134 67 21324	24 Charr.

16,0 cm

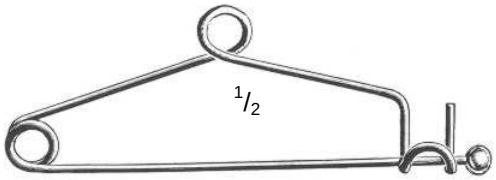
134 67 21908	8 Charr.
134 67 21910	10 Charr.
134 67 21912	12 Charr.
134 67 21914	14 Charr.
134 67 21916	16 Charr.
134 67 21918	18 Charr.
134 67 21920	20 Charr.
134 67 21922	22 Charr.
134 67 21924	24 Charr.

3B instruments
lékařské nástroje

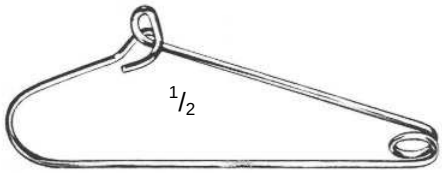
139

Sterilizace

Sterilizace



MAYO
139 29 15214
14,0 cm



BUNT
139 29 15012
12,0 cm

JEHELNÍK SLOŽENÝ
132 89 11265
∅ 65 × 15 mm

JEHELNÍK
132 89 11365
∅ 62 × 13 mm

JEHELNÍK
132 89 11400
150 × 95 × 13 mm

Sterilizace

		Ø × h
139 89 14002	0,25 l	115 × 115 mm
139 89 14005	0,50 l	140 × 160 mm
139 89 14010	1,00 l	155 × 160 mm
139 89 14020	2,00 l	160 × 185 mm

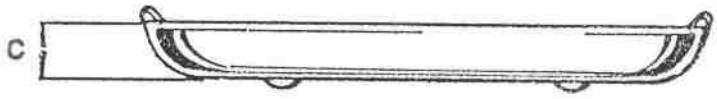
		Ø × h
139 89 13316	0,75 l	150 x 75 mm
139 89 13317	1,00 l	160 x 75 mm
139 89 13322	2,00 l	220 x 75 mm
139 89 13324	3,00 l	240 x 95 mm
139 89 13331	6,00 l	300 x 120 mm
139 89 13334	8,00 l	320 x 140 mm
139 89 13338	11,00 l	380 × 130 mm

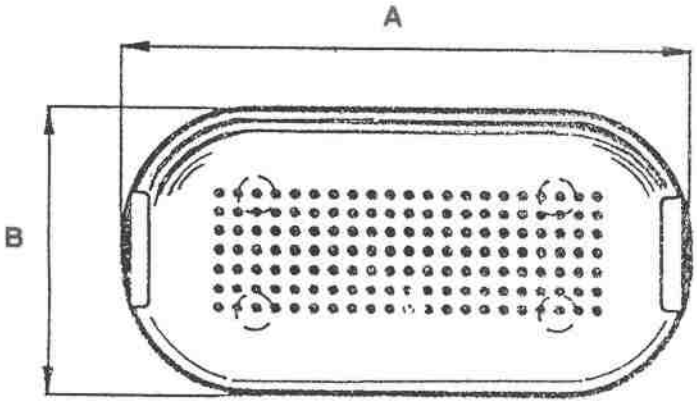
139 89 13917	0,30 l	170 mm
139 89 13925	0,80 l	250 mm
139 89 13927	1,10 l	275 mm

		Ø × h
139 89 12704	0,05 l	40 × 19 mm
139 89 12706	0,07 l	61 × 30 mm
139 89 12708	0,14 l	80 × 40 mm
139 89 12711	0,35 l	116 × 50 mm
139 89 12712	0,45 l	128 × 55 mm
139 89 12714	0,70 l	147 × 65 mm
139 89 12716	1,10 l	167 × 75 mm
139 89 12718	1,60 l	187 × 85 mm

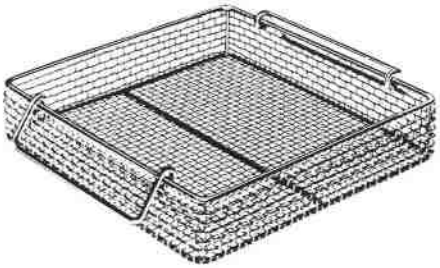
114 39 0120 **Toulec na pinzety**
117 39 0070 **Toulec na podávkové kleště**

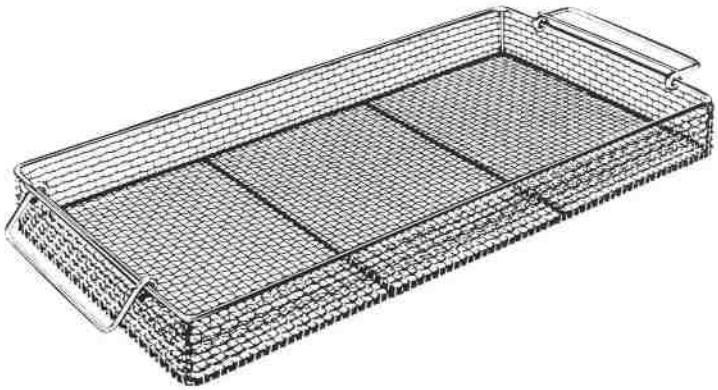
NEREZOVÁ STERILIZAČNÍ SÍTA





obj. číslo	rozměry A × B × C (mm)
139 39 0020	300 × 230 × 30
139 39 0030	300 × 150 × 30

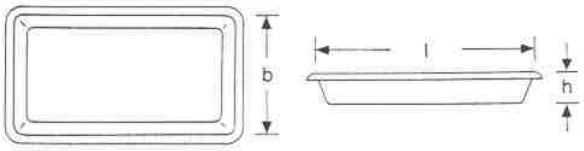


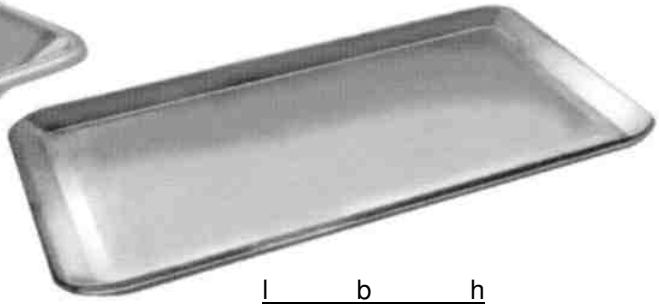


obj. č.	délka	šířka	výška
KYE 300/03	485	255	30
KYE 300/05	485	255	50
KYE 300/07	485	255	70
KYE 300/10	485	255	100
KYE 303/03	405	255	30
KYE 303/05	405	255	50
KYE 303/07	405	255	70
KYE 303/10	405	255	100

obj. č.	délka	šířka	výška
KYE 301/03	540	255	30
KYE 301/05	540	255	50
KYE 301/07	540	255	70
KYE 301/10	540	255	100
KYE 302/03	255	245	30
KYE 302/05	255	245	50
KYE 302/07	255	245	70
KYE 302/10	255	245	100

Sterilizace





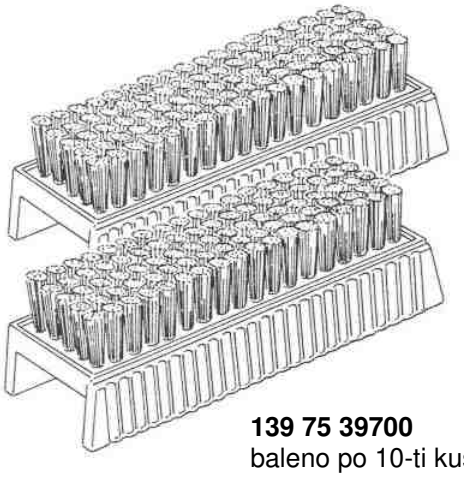
	l b h
139 89 14523	230 × 155 × 30 mm
139 89 14530	300 × 175 × 30 mm
139 89 14531	300 × 175 × 40 mm
139 89 14535	350 × 240 × 36 mm

	l b h
139 89 14721	215 x 160 x 10 mm
139 89 14724	235 x 190 x 10 mm
139 89 14730	310 x 150 x 10 mm
139 89 14731	385 x 210 x 10 mm
139 89 14735	350 x 240 x 10 mm
139 89 14740	400 x 270 x 20 mm

Spray a olej pro čištění a údržbu
(sterilizovatelné)

139 08 93000
500 ml

139 6/2QB
10 ml
Teplotně stabilní do 260°C
Vyvinut pro mazán resterilizovatelných chirurgických a dentálních nástrojů.
Je paropropustný pro autokláv (134°C/273°F) a tepelně odolný nad 180°C (356°F)
Olej je fyziologicky nezávadný, bez zápachu, propustný pro páry a nezanechává žádné inkrustace ani zbytky na povrchu.



139 75 39700
baleno po 10-ti kusech
autoklávovatelné

CHIRURGIE - ZÁKLAD

MINI kontejnerový systém

Typ a velikost kontejneru	Kontejner s děrovaným víkem	Kontejner s děrovaným víkem i dnem	Spodní díl kontejneru neděrovaný	Spodní díl kontejneru děrovaný
285 x 280 x 55 mm	R 310.05 R 320.05 R 330.05 R 340.05 R 350.05 R 360.05		**R 305.05**	
285 x 280 x 85 mm	R 310.08 R 320.08 R 330.08 R 340.08 R 350.08 R 360.08	R 311.08 R 321.08 R 331.08 R 341.08 R 351.08 R 361.08	**R 305.08**	**R 306.08**

Víko kontejneru – 285 x 280 mm

R 304.01
R 304.02
R 304.03
R 304.04
R 304.05
R 304.06

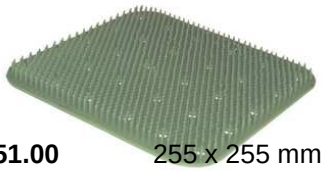
Nerezové síto

255 x 245 x 30 mm **R 390.03**
255 x 245 x 50 mm **R 390.05**

Nerezová podložka

258 x 258 x 30 mm **R 393.00**

Silikonová podložka



250 x 245 mm **R 851.00**

255 x 255 mm **R 395.00**

Napínací rám

MINI kontejnerový systém

Kontejnery s děrovaným víkem

300 x 140 x 40 mm

R 410.04
R 420.04
R 430.04
R 440.04
R 450.04
R 460.04

300 x 140 x 70 mm

R 410.07
R 420.07
R 430.07
R 440.07
R 450.07
R 460.07

300 x 140 x 100 mm

R 410.10
R 420.10
R 430.10
R 440.10
R 450.10
R 460.10

Kontejnery s děrovaným víkem i dnem

300 x 140 x 40 mm

R 411.04
R 421.04
R 431.04
R 441.04
R 451.04
R 461.04

300 x 140 x 70 mm

R 411.07
R 421.07
R 431.07
R 441.07
R 451.07
R 461.07

300 x 140 x 100 mm

R 411.10
R 421.10
R 431.10
R 441.10
R 451.10
R 461.10

Děrované víko

300 x 140 mm

R 400.01
R 400.02
R 400.03
R 400.04
R 400.05
R 400.06

Neděrované dno

300 x 140 x 40 mm **R 405.04**
300 x 140 x 70 mm **R 405.07**
300 x 140 x 100 mm **R 405.10**

Děrované dno

300 x 140 x 40 mm **R 406.04**
300 x 140 x 70 mm **R 406.07**
300 x 140 x 100 mm **R 406.10**

Silikonová podložka

275 x 125 mm **R 850.00**

Napínací rám

270 x 125 mm **R 495.00**

CHIRURGIE - ZÁKLAD

MINI kontejnerový systém

Kontejner s děrovaným víkem

310 x 190 x 40 mm **R 510.04**

310 x 190 x 65 mm **R 510.06**

310 x 190 x 130 mm **R 510.13**

Děrované víko kontejneru
310 x 190 mm **R 500.01**

Neděrované dno kontejneru

310 x 190 x 40 mm **R 506.04**
310 x 190 x 65 mm **R 506.06**
310 x190 x130 mm **R 506.13**

Silikonová podložka

260 x 180 mm **R 850.10**

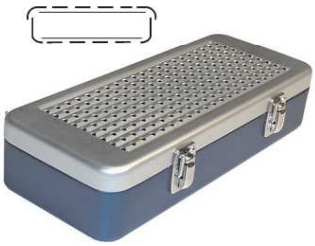
Napínací rám

277 x 175 mm **R 595.00**

Plastová plomba

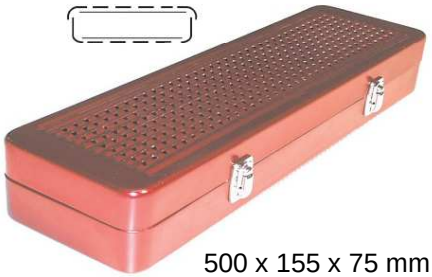
R 819.00 baleno po 100 ks

Kontejnery s děrovaným víkem i dnem (bez filtru)



R 610.06
R 620.06
R 630.06
R 640.06
R 650.06
R 660.06

300 x 138 x 65 mm



R 612.07
R 622.07
R 632.07
R 642.07
R 652.07
R 662.07

500 x 155 x 75 mm

Barevné štítky na označení kontejneru – bez popisu

CHIRURGIE	TRANSPLANTATION	GYNÄKOLOGIE
GYNÄKOLOGIE	CHIRURGIE	TRANSPLANTATION
GRUNDSIEB	GRUNDSIEB	GYNÄKOLOGIE
GRUNDSIEB	GRUNDSIEB	GYNÄKOLOGIE

R 820.01
R 820.02
R 820.03
R 820.04
R 820.05
R 820.06

Papírové indikační štítky

R 810.00
balení po 100 ks
pro kontejner
285 x 280 mm

R 812.00
balení po 100 ks
pro kontejner
310 x 190 mm
300 x 140 mm

MINI kontejnerový systém

Filtr papírový jednorázový

R 802.00
235 x 170 mm
balení po 100 ks
pro kontejner 310 x 190 mm

Textilní filtr

R 802.01
235 x 170 mm
balení po 1 ks
pro kontejner 310 x 190 mm

PTFE filtr

R 800.10
235 x 170 mm
balení po 1 ks
pro kontejner 310 x 190 mm

Filtr papírový jednorázový

R 804.00
235 x 118 mm
balení po 100 ks
pro kontejner 300 x 140 mm

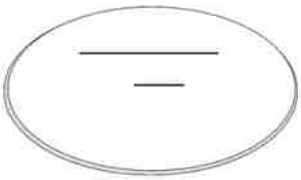
Textilní filtr

R 804.01
235 x 118 mm
balení po 1 ks
pro kontejner 300 x 140 mm

PTFE filtr

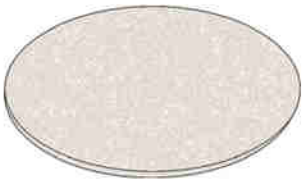
R 800.20
205 x 95 mm
balení po 1 ks
pro kontejner 300 x 140 mm

Filtr papírový jednorázový



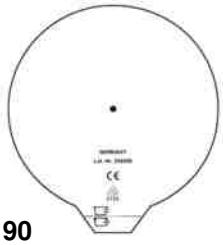
R 800.00
ø 190 mm
balení po 100 ks
pro kontejner s kruhovým filtrem

Textilní filtr



R 800.01
ø 190 mm
balení po 1 ks
pro kontejner s kruhovým filtrem

PTFE filtr



FPTFE190
ø 190 mm
balení po 1 ks
pro kontejner s kruhovým filtrem

UPOZORNĚNÍ

Tyto kontejnery jsou určeny pro parní sterilizaci a nejsou vhodné pro sterilizaci horkým vzduchem.

Nebalte kontejnery při sterilizaci do dalších obalů.
V důsledku změn tlaků uvnitř a vně kontejneru by došlo k jeho nevratné deformaci.

OBSAH

Obj. číslo	str.	Obj. číslo	str.	Obj. číslo	str.	Obj. číslo	str.
03 180-92	1	111 08 28019	10	112 08 22003	21	113 08 0310R	30
03 180-93	1	111 08 28028	10	112 08 22004	21	113 08 0320R	30
03 192-00	2C	111 08 28037	10	112 08 22005	21	113 08 0340	30
03 193-00	2C	111 08 28200	10	112 08 22006	21	113 08 0360	30
03 194-00	2B	111 08 28400	10	112 08 25001	22	113 08 0410R	30
03 194-01	2B	111 08 31000	7	112 08 25002	22	113 08 0420R	30
03 196-00	2B	111 08 31001	7	112 08 25003	22	113 08 0440	30
06-52-856	226B	111 08 31200	7	112 08 25004	22	113 08 0460	30
06-52-857	226B	111 08 31201	7	112 08 25005	22	113 08 0510	30
111 03 28817	3	111 08 31202	7	112 08 25006	22	113 08 0520	30
111 03 28820	3	111 08 31203	7	112 08 25007	22	113 08 0540	30
111 03 29424	4	111 08 31204	7	112 08 25008	22	113 08 0560	30
111 03 30617	4	111 08 32000	8	112 08 25009	22	113 08 0810R	31
111 03 30818	3	111 08 32001	8	112 08 25015	22	113 08 0830	37
111 03 31001	5	111 08 32200	8	112 08 25016	22	113 08 0840	37
111 03 31002	5	111 08 32201	8	112 08 33011	23	113 08 08618	43
111 03 31201	5	111 08 32202	8	112 08 33014	23	113 08 08718	43
111 03 32019	5	111 08 32203	8	112 08 33017	23	113 08 0880	37
111 03 34010	5	111 08 32204	8	112 08 33616	23	113 08 0890	37
111 03 34020	5	111 08 34000	9	112 08 33620	23	113 08 0930	37
111 03 34030	5	111 08 34100	9	112 08 33624	23	113 08 0940	37
111 03 34050	5	111 08 34501	9	112 09 0010	20	113 08 1000	36
111 03 35015	5	111 08 34502	9	112 09 0020	20	113 08 12030	30
111 05 20300	6	112 01 0210R	15	112 09 0030	20	113 08 12130	30
111 05 20301	6	112 01 0240	15	112 12 0120	20	113 08 13030	30
111 05 20400	6	112 01 0250R	15	112 12 0130	20	113 08 13130	30
111 05 20401	6	112 02 0010	15	112 14 0510	11	113 08 80315	41
111 05 21000	6	112 02 0100	16	112 14 0520	11	113 08 87001	40
111 05 21001	6	112 02 0110	16	112 14 SP	11	113 08 87002	40
111 05 21002	6	112 02 0410	16	112 31 37020	16	113 08 87003	40
111 05 21003	6	112 05 0010R	16	112 31 39018	16	113 08 87004	40
111 05 21004	6	112 07 10300	12	112 33 67824	261	113 08 87005	40
111 05 21100	6	112 07 10301	13	112 38 0010	24	113 08 87101	40
111 05 21101	6	112 07 10302	12	112 38 0020	24	113 08 87102	40
111 05 21102	6	112 07 10400	12	112 38 0030	24	113 08 87103	40
111 05 21103	6	112 07 10402	12	112 38 0040	24	113 08 87104	40
111 05 21104	6	112 07 10700	13	112 38 0110	24	113 08 87105	40
111 05 22300	7	112 07 10800	13	112 38 0120	24	113 08 98013	59
111 05 22400	7	112 07 42008	15	112 38 0130	24	113 08 98113	59
111 08 10209	1	112 08 0060	17	112 38 0140	24	113 09 10211	30
111 08 15055	2	112 08 0070	17	112 38 2200R	24	113 09 10216	30
111 08 16000	2	112 08 0080	17	113 01 0210	25	113 09 10220	30
111 08 20522	3	112 08 0090	17	113 05 0010	27	113 09 10311	30
111 08 20823	3	112 08 0160	17	113 05 0020	27	113 09 10316	30
111 08 21720	4	112 08 0170	17	113 05 0030R	27	113 09 10320	30
111 08 21820	4	112 08 0180	17	113 05 0040R	28	113 09 11011	30
111 08 25850	5	112 08 0190	17	113 05 0210R	28	113 09 11016	30
111 08 26200	7	112 08 0260	18	113 08 0010R	30	113 09 11020	30
111 08 26201	7	112 08 0270	18	113 08 0020R	30	113 09 11111	30
111 08 26202	7	112 08 0280	18	113 08 0040	30	113 09 11116	30
111 08 26203	7	112 08 0290	18	113 08 0060	30	113 09 11120	30
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111 08 27203	8	112 08 22001	21	113 08 0240	30	113 09 13014	31
111 08 27204	8	112 08 22002	21	113 08 0260	30	113 09 13114	31

OBSAH

Obj. číslo	str.	Obj. číslo	str.	Obj. číslo	str.	Obj. číslo	str.
113 09 14014	31	113 09 28320	35	113 09 35610	51	113 09 54116	43
113 09 14114	31	113 09 28320B	62	113 09 35710	51	113 09 54818	49
113 09 16014	37	113 09 28323	35	113 09 36011	52	113 09 55010	48
113 09 16023	37	113 09 28325	35	113 09 36111	52	113 09 55116	48
113 09 16114	37	113 09 28328	35	113 09 36211	52	113 09 55316	48
113 09 16123	37	113 09 28412	55	113 09 36311	52	113 09 56014	49
113 09 16414	60	113 09 28415	56	113 09 37111B	62	113 09 56022	49
113 09 16417	60	113 09 28418	56	113 09 37411	55	113 09 58011	32
113 09 16423	60	113 09 28420	56	113 09 37511	55	113 09 58111	32
113 09 16514	60	113 09 28423	56	113 09 40315	50	113 09 60122	43
113 09 16517	60	113 09 28425	56	113 09 40516	50	113 09 61018	44
113 09 16523	60	113 09 28428	56	113 09 43719	32	113 09 61118	44
113 09 17015	37	113 09 28430	56	113 09 43917	50	113 09 61218	61
113 09 17017	37	113 09 28512	55	113 09 46815	44	113 09 61419	32
113 09 17115	37	113 09 28515	56	113 09 47011	44	113 09 61713	32
113 09 17117	37	113 09 28518	56	113 09 47321	44	113 09 61917	43
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113 09 17417	60	113 09 28523	56	113 09 47525	45	113 09 64319	32
113 09 17515	60	113 09 28525	56	113 09 47545	45	113 09 64325	32
113 09 17517	60	113 09 28528	56	113 09 47560	45	113 09 65124	43
113 09 19016	36	113 09 28530	56	113 09 47590	45	113 09 66123	43
113 09 19116	36	113 09 28615	57	113 09 47701	45	113 09 77021	31
113 09 19416	59	113 09 28618	57	113 09 47825	58	113 09 77221	27
113 09 19516	59	113 09 28620	57	113 09 47845	58	113 09 77421	27
113 09 20210	36	113 09 28623	57	113 09 47860	58	113 09 80209	38
113 09 20310	36	113 09 28625	57	113 09 47925	58	113 09 80211	38
113 09 20610	55	113 09 28628	57	113 09 47945	58	113 09 80309	38
113 09 20710	55	113 09 28715	57	113 09 47960	58	113 09 80313	38
113 09 28012	34	113 09 28718	57	113 09 48025	46	113 09 80414	38
113 09 28015	34	113 09 28720	57	113 09 48040	46	113 09 80915	38
113 09 28018	34	113 09 28723	57	113 09 48060	46	113 09 82013	39
113 09 28020	34	113 09 28725	57	113 09 49016	46	113 09 82113	39
113 09 28023	34	113 09 28728	57	113 09 49023	46	113 09 82412	36
113 09 28025	34	113 09 29118	39	113 09 49116	46	113 09 82512	36
113 09 28028	34	113 09 29120	39	113 09 49123	46	113 09 82712	39
113 09 28030	34	113 09 29123	39	113 09 49216	46	113 09 83112	39
113 09 28030	30	113 09 29518	59	113 09 49223	46	113 09 83512	61
113 09 28112	34	113 09 29520	59	113 09 49615	44	113 09 89820	29
113 09 28115	34	113 09 29523	59	113 09 49715	44	113 09 90109	28
113 09 28115B	62	113 09 30214	33	113 09 50522	61	113 09 90111	28
113 09 28118	34	113 09 30314	33	113 09 50523	61	113 09 90114	28
113 09 28118B	62	113 09 30414	33	113 09 51020	47	113 09 90118	28
113 09 28120	34	113 09 30514	33	113 09 51023	47	113 09 90518	61
113 09 28120B	62	113 09 31012	33	113 09 51120	47	113 09 91320	28
113 09 28123	34	113 09 31015	33	113 09 51123	47	113 09 91322	28
113 09 28125	34	113 09 32015	33	113 09 51220	47	113 09 91523	28
113 09 28128	34	113 09 32115	33	113 09 51223	47	113 09 92116	27
113 09 28130	30	113 09 34009	38	113 09 51320	47	113 09 92119	27
113 09 28130	34	113 09 34011	38	113 09 51323	47	113 09 93323	29
113 09 28215	35	113 09 34109	38	113 09 51420	47	113 09 93523	28
113 09 28218	35	113 09 34111	38	113 09 51423	47	113 09 93723	28
113 09 28220	35	113 09 34411	55	113 09 51520	47	113 09 93923	61
113 09 28223	35	113 09 34511	55	113 09 51523	47	113 09 94120	28
113 09 28225	35	113 09 35009	51	113 09 52522	47	113 09 95015	39
113 09 28228	35	113 09 35109	51	113 09 53017	47	113 09 95018	39
113 09 28315	35	113 09 35209	51	113 09 53117	47	113 09 96014	54A
113 09 28315B	62	113 09 35309	51	113 09 53627	48	113 09 96114	54A
113 09 28318	35	113 09 35410	51	113 09 53727	48	113 09 96214	54A
113 09 28318B	62	113 09 35510	51	113 09 54016	43	113 09 96217	54A

OBSAH

Obj. číslo	str.	Obj. číslo	str.	Obj. číslo	str.	Obj. číslo	str.
113 09 96223	54A	113 38 0050R	51	114 08 14217	66	114 11 10214	64
113 09 96314	54A	113 38 0060R	51	114 08 14317	66	114 11 10218	64
113 09 96317	54A	113 38 0071R	51	114 08 88015	87	114 11 11011	64
113 09 96323	54A	113 38 0081R	51	114 08 88023	87	114 11 11013	64
113 09 96415	54A	113 38 0091R	51	114 08 88214	87	114 11 11016	64
113 09 96417	54A	113 38 0100R	51	114 08 88216	87	114 11 11218	66
113 09 96515	54A	113 38 0150R	51	114 08 88218	87	114 11 11221	66
113 09 96517	54A	113 38 0161R	51	114 08 88220	87	114 11 11225	66
113 09 96611	54A	113 38 0210	52	114 08 88225	87	114 11 11618	87
113 09 96711	54A	113 38 0260	52	114 08 88230	87	114 11 11621	87
113 09 97014	54A	113 38 0311	52	114 08 89012	88	114 11 11625	87
113 09 97018	54A	113 38 0740R	53	114 08 89015	88	114 11 12011	65
113 09 97020	54A	113 38 0750R	53	114 08 89016A	82	114 11 12013	65
113 09 97023	54A	113 38 0770R	53	114 08 89016C	82	114 11 12018	65
113 09 97114	54A	113 38 0850	53	114 08 89016E	82	114 11 12618	67
113 09 97118	54A	113 38 0860	53	114 08 89020A	82	114 11 12621	67
113 09 97120	54A	113 38 1020	53	114 08 89020C	82	114 11 12625	67
113 09 97123	54A	113 38 1030R	53	114 08 89020E	82	114 11 13013	65
113 09 98011	54B	113 57 10223	25	114 08 89022A	82	114 11 13016	65
113 09 98111	54B	113 57 10722	25	114 08 89022C	82	114 11 14013	65
113 09 98212	54B	113 64 100	42	114 08 89116C	82	114 11 14014	65
113 09 98312	54B	113 64 101	42	114 08 89116D	82	114 11 14016	65
113 09 98411	54B	113 64 103	42	114 08 89116E	82	114 11 14018	65
113 09 98511	54B	113 64 117	42	114 08 89120A	82	114 11 14020	65
113 09 99014	54B	113 64 600	42	114 08 89120C	82	114 11 14025	65
113 09 99018	54B	113 64 601	42	114 08 89120F	82	114 11 15013	68
113 10 10211	54	113 64 603	42	114 08 89122C	82	114 11 15014	68
113 10 10411	54	113 69 115	42	114 08 89416C	82	114 11 15016	68
113 10 11012	54	113 69 116	42	114 08 89416D	82	114 11 16013	68
113 10 11112	54	113 75 34113	39	114 08 89420A	82	114 11 16014	68
113 10 11910	53	114 02 0010	63	114 08 89420C	82	114 11 16016	68
113 10 13310	53	114 06 0010R	63,288	114 08 89420E	82	114 11 17012	69
113 10 13510	53	114 06 0040R	63,288	114 08 89420F	82	114 11 17015	69
113 10 15111	54	114 08 0030R	64	114 08 89422D	82	114 11 17412	87
113 10 15311	54	114 08 0040R	64	114 08 89422E	82	114 11 17415	87
113 10 20218	41	114 08 0050R	64	114 08 89520C	82	114 11 17612	69
113 10 20318	41	114 08 0060R	64	114 08 89620C	82	114 11 17615	69
113 10 31314	41	114 08 0090	71	114 08 89622C	82	114 11 18012	69
113 10 32009	40	114 08 0101R	64	114 08 89811D	82	114 11 18015	69
113 10 33019	42	114 08 0140R	64	114 08 89811E	82	114 11 18612	69
113 10 33119	42	114 08 0231R	64	114 08 89911D	82	114 11 18615	69
113 12 0010	36	114 08 0240	64	114 08 89911E	82	114 11 18812	69
113 12 0020	36	114 08 0250	64	114 08 90015	88	114 11 18815	69
113 14 94825	58	114 08 0340R	65	114 08 90215	88	114 11 18915	68
113 14 94845	58	114 08 0350	65	114 08 93212	87	114 11 18920	68
113 14 94860	58	114 08 0360	65	114 08 93215	87	114 11 18925	68
113 27 0010R	49	114 08 0381R	65	114 08 94118	87	114 11 22017	66
113 27 1000R	49	114 08 0430	65	114 08 94318	87	114 11 22417	87
113 30 0010	50	114 08 0530R	65	114 08 94416	88	114 11 23017	67
113 31 10124	29	114 08 0540	65	114 08 94420	88	114 11 23615	70
113 31 10323	29,153	114 08 0620	68	114 08 94424	88	114 11 23620	70
113 31 10326	29,153	114 08 0660	68	114 08 94616	88	114 11 24014	70
113 31 10337	29,153	114 08 07018	64	114 08 94620	88	114 11 24214	70
113 32 0010R	50	114 08 07025	64	114 08 94624	88	114 11 24618	70
113 32 31319	50	114 08 07030	64	114 08 94818	88	114 11 24818	70
113 38 0010R	51	114 08 0980	73	114 08 95015	88	114 11 25014	71
113 38 0020R	51	114 08 1020	73	114 08 95023	88	114 11 25220	71
113 38 0030R	51	114 08 1030	73	114 11 10211	64	114 11 25615	71
113 38 0040R	51	114 08 1040	73	114 11 10213	64	114 11 25620	71

OBSAH

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114 11 25815	66	114 12 10818D	76	114 69 941T	80	115 08 0590R	96
114 11 26012	66	114 12 10918	78	114 69 942T	80	115 08 06005	112
114 11 26015	66	114 12 10918	76	114 69 943T	80	115 08 0601R	96
114 11 27012	67	114 12 10918D	76	114 69 944T	80	115 08 06105	112
114 11 27015	67	114 12 10921	76	114 69 945T	80	115 08 0810R	132
114 11 27215	67	114 12 10921D	76	114 69 946T	80	115 08 0820R	132
114 11 30218	66	114 12 10923	76	114 69 947T	80	115 08 1010R	90
114 11 30318	66	114 12 10923D	76	114 69 948T	80	115 08 1020R	90
114 11 30518	66	114 12 20016	79	114 91 10211	83	115 08 1030R	90
114 11 31018	67	114 12 20116	79	114 91 10411	83	115 08 1050R	90
114 11 31118	67	114 12 29122	79	114 91 10911	83	115 08 19016	126
114 11 31318	67	114 12 29322	79	114 91 11311	83	115 08 19116	126
114 11 31417	67	114 12 29522	79	114 91 11511	83	115 08 22301	99
114 11 31517	67	114 12 29722	79	114 91 12216	83	115 08 22302	99
114 11 31614	71	114 12 30416	81	114 91 12316	83	115 08 22303	99
114 11 31616	71	114 12 30420	81	114 91 12416	83	115 08 22304	99
114 11 31620	71	114 12 30424	81	114 91 12516	83	115 08 22305	99
114 11 31712	70	114 12 30430	81	114 91 12716	83	115 08 22306	99
114 11 31723	70	114 12 30616	81	114 91 14216	84	115 08 22307	99
114 11 31818	70	114 12 30620	81	114 91 14416	84	115 08 22401	99
114 11 31820	70	114 12 30624	81	114 91 14616	84	115 08 22402	99
114 11 31825	70	114 12 30630	81	114 91 14816	84	115 08 22403	99
114 11 32023	71	114 12 30816	81	114 91 15219	84	115 08 22404	99
114 11 32223	71	114 12 30820	81	114 91 15419	84	115 08 22405	99
114 11 32423	71	114 12 30824	81	114 91 15719	84	115 08 22406	99
114 11 82111	73	114 12 30830	81	114 91 15919	84	115 08 22407	99
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114 11 82815	73	114 12 31016	81	114 91 16919	84	115 08 23514	101
114 12 0010	70	114 12 31020	81	114 91 17203	85	115 08 25118	101
114 12 0020	70	114 12 31024	81	114 91 17207	85	115 08 28615	100
114 12 09015D	77	114 12 31030	81	114 91 17212	85	115 08 29314	100
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114 12 09021D	77	114 27 64013	63,288	115 08 0020R	90	115 08 34515	106
114 12 09023D	77	114 29 0010	72	115 08 0030R	90	115 08 34519	106
114 12 09115D	77	114 29 0020	72	115 08 0040	89	115 08 35828	104
114 12 09118D	77	114 29 0030	72	115 08 0050R	90	115 08 35928	104
114 12 09121D	77	114 30 0010	72	115 08 0060	89	115 08 36320	104
114 12 09123D	77	114 30 0020R	72	115 08 0121R	94	115 08 36324	104
114 12 10212	76	114 30 0040	72	115 08 0130R	94	115 08 36328	104
114 12 10212	78	114 38 0010	74	115 08 0171R	94	115 08 42522	117
114 12 10212D	76	114 38 0020	74	115 08 0180R	94	115 08 42523	117
114 12 10221	76	114 38 0100	74	115 08 0190	98	115 08 50027	116
114 12 10221D	76	114 38 0110	74	115 08 0200	98	115 08 50124	119
114 12 10223	76	114 38 0150R	74	115 08 0220R	94	115 08 50323	119
114 12 10223D	76	114 38 0160R	74	115 08 0231R	94	115 08 50523	119
114 12 10312	76	114 38 0200	74	115 08 0260R	94	115 08 50721	119
114 12 10312	78	114 38 1110R	75	115 08 0271R	94	115 08 51123	120
114 12 10312D	76	114 38 1120	75	115 08 0331	96	115 08 51323	120
114 12 10315	76	114 38 1170	75	115 08 0340R	96	115 08 60114	118
114 12 10315D	76	114 39 0120	304	115 08 0381	96	115 08 79415	134
114 12 10415	78	114 43 81310	74	115 08 0390	96	115 08 79418	134
114 12 10415	76	114 43 82310	74	115 08 0410	98	115 08 79420	134
114 12 10415D	76	114 69 937T	80	115 08 0420	98	115 08 79615	134
114 12 10515	78	114 69 938T	80	115 08 0520	98	115 08 79618	134
114 12 10818	78	114 69 939T	80	115 08 0550R	96	115 08 79620	134

OBSAH

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115 13 09210	113	115 13 26316	93	115 13 38526	102	115 13 47118	106
115 13 09212	113	115 13 27014	93	115 13 38620	102	115 13 47322	106
115 13 09307	113	115 13 27114	93	115 13 38626	102	115 13 47514	106
115 13 09308	113	115 13 31014	95	115 13 38720	102	115 13 47518	107
115 13 09310	113	115 13 31016	95	115 13 38726	102	115 13 47715	107
115 13 09312	113	115 13 31018	95	115 13 39020	103	115 13 47719	107
115 13 09606	113	115 13 31020	95	115 13 39120	103	115 13 47922	108
115 13 09607	113	115 13 31022	95	115 13 39320	103	115 13 47925	108
115 13 09609	113	115 13 31024	95	115 13 41018	101	115 13 47928	108
115 13 09611	113	115 13 31026	95	115 13 41118	101	115 13 48015	109
115 13 09706	113	115 13 31030	95	115 13 41218	101	115 13 48018	109
115 13 09707	113	115 13 31114	95	115 13 41318	101	115 13 48115	109
115 13 09709	113	115 13 31116	95	115 13 41518	101	115 13 48118	109
115 13 09711	113	115 13 31118	95	115 13 42101	99	115 13 49119	108
115 13 10204	112	115 13 31120	95	115 13 42102	99	115 13 49323	108
115 13 10205	112	115 13 31122	95	115 13 42103	99	115 13 49518	109
115 13 10304	112	115 13 31124	95	115 13 42104	99	115 13 50321	120
115 13 10305	112	115 13 31126	95	115 13 42105	99	115 13 50722	117
115 13 11050	112	115 13 31130	95	115 13 42106	99	115 13 50723	117
115 13 11065	112	115 13 32014	97	115 13 42107	99	115 13 51323	116
115 13 11075	112	115 13 32016	97	115 13 42201	99	115 13 51723	117
115 13 11090	112	115 13 32018	97	115 13 42202	99	115 13 51920	116
115 13 11150	112	115 13 32020	97	115 13 42203	99	115 13 51922	116
115 13 11165	112	115 13 32022	97	115 13 42204	99	115 13 52323	117
115 13 11175	112	115 13 32024	97	115 13 42205	99	115 13 55120	118
115 13 11190	112	115 13 32026	97	115 13 42206	99	115 13 55421	118
115 13 21010	89	115 13 32030	97	115 13 42207	99	115 13 55521	118
115 13 21110	89	115 13 32114	97	115 13 43113	102	115 13 56120	118
115 13 21210	89	115 13 32116	97	115 13 43116	102	115 13 56320	118
115 13 21310	89	115 13 32118	97	115 13 43118	102	115 13 57125	119
115 13 22012	91	115 13 32120	97	115 13 43120	102	115 13 57921	120
115 13 22014	92	115 13 32122	97	115 13 43123	102	115 13 59120	120
115 13 22018	92	115 13 32124	97	115 13 43125	102	115 13 59320	120
115 13 22021	92	115 13 32126	97	115 13 43128	102	115 13 59510	121
115 13 22112	91	115 13 32130	97	115 13 44101	105	115 13 59520	121
115 13 22114	92	115 13 34016	109	115 13 44102	105	115 13 59530	121
115 13 22118	92	115 13 34020	109	115 13 44103	105	115 13 59540	121
115 13 22121	92	115 13 34116	109	115 13 44104	105	115 13 59710	121
115 13 22212	91	115 13 34120	109	115 13 44221	107	115 13 59720	121
115 13 22312	91	115 13 34514	100	115 13 44226	107	115 13 59730	121
115 13 23012	91	115 13 35016	120	115 13 44321	107	115 13 59740	121
115 13 23014	92	115 13 35020	120	115 13 44326	107	115 13 60020	119
115 13 23018	92	115 13 35116	120	115 13 44421	107	115 13 60120	119
115 13 23021	92	115 13 35120	120	115 13 44426	107	115 13 70214	134
115 13 23112	91	115 13 35615	100	115 13 44521	107	115 13 70416	134
115 13 23114	92	115 13 36015	131	115 13 44526	107	115 13 70418	134
115 13 23118	92	115 13 36414	131	115 13 44822	105	115 14 0010	114
115 13 23121	92	115 13 36619	131	115 13 44922	105	115 14 0020	114
115 13 23212	91	115 13 36814	131	115 13 45024	105	115 14 0150R	114
115 13 23312	91	115 13 36816	131	115 13 45124	105	115 14 0160R	114
115 13 24014	93	115 13 37013	131	115 13 45324	105	115 14 1170R	110
115 13 24114	93	115 13 37213	131	115 13 45501	104	115 14 1180R	110
115 13 24216	93	115 13 38015	103	115 13 45502	104	115 14 1190	110
115 13 24316	93	115 13 38115	103	115 13 45601	109	115 15 10109	132
115 13 25014	93	115 13 38215	103	115 13 45602	109	115 15 10307	132
115 13 25114	93	115 13 38315	103	115 13 45603	109	115 15 10309	132
115 13 26014	93	115 13 38420	102	115 13 45728	104	115 15 10710	133

OBSAH

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115 15 10814	133	115 65 25619	122	116 08 74205	143	116 08 76300	146
115 15 11111	132	115 65 26024	122	116 08 74207	143	116 08 76301	146
115 15 11115	132	115 65 28005	130	116 08 74208	143	116 08 76303	146
115 15 11511	132	115 65 28007	130	116 08 74209	143	116 08 76400	146
115 15 11713	132	115 65 28010	130	116 08 74211	143	116 08 76401	146
115 15 12111	133	115 65 29030	128	116 08 74212	143	116 08 76403	146
115 15 12113	133	115 65 29130	128	116 08 74213	143	116 08 76600	146
115 15 12313	132	115 65 31015	129	116 08 74215	143	116 08 76601	146
115 15 14016	133	115 65 31021	129	116 08 74216	143	116 08 76603	146
115 15 16118	133	115 65 31029	129	116 08 74217	143	116 08 77000	144
115 15 16420	133	115 65 31035	129	116 08 74219	143	116 08 88415	140
115 19 0010R	123	116 08 0030	136	116 08 74220	143	116 08 88417	140
115 19 0020R	123	116 08 0040	136	116 08 74221	143	116 08 89090	141
115 19 0070R	123	116 08 0070	136	116 08 74223	143	116 29 0400R	136
115 19 0080R	123	116 08 0140	139	116 08 74300	143	116 29 0410R	136
115 22 0080R	116	116 08 0160	137	116 08 74301	143	116 33 10112	135
115 27 0070	118	116 08 0180	137	116 08 74303	143	116 33 10114	135
115 41 02700	114	116 08 0190	137	116 08 74304	143	116 33 10314	135
115 51 18119	103	116 08 0470	142	116 08 74305	143	116 33 10517	135
115 51 18319	103	116 08 70001	147	116 08 74307	143	116 33 10716	135
115 51 19119	106	116 08 70002	147	116 08 74308	143	116 33 10916	135
115 51 19319	106	116 08 70003	147	116 08 74309	143	116 33 11515	135
115 57 30130	111	116 08 70005	147	116 08 74311	143	116 33 11715	135
115 57 30724	108	116 08 70101	147	116 08 74312	143	116 33 11915	135
115 57 30922	110	116 08 70102	147	116 08 74313	143	116 33 13315	136
115 57 31122	110	116 08 70103	147	116 08 74315	143	116 33 14220	136
115 57 31322	110	116 08 70105	147	116 08 74316	143	116 33 14320	136
115 57 32515	111	116 08 70201	147	116 08 74317	143	116 33 15016	136
115 57 32726	111	116 08 70202	147	116 08 74319	143	116 33 15116	136
115 57 32926	111	116 08 70203	147	116 08 74320	143	116 33 15418	136
115 65 21018	126	116 08 70205	147	116 08 74321	143	116 33 15518	136
115 65 21021	126	116 08 70601	147	116 08 74323	143	116 33 20118	137
115 65 21023	126	116 08 70602	147	116 08 74400	143	116 33 20518	137
115 65 21118	126	116 08 70603	147	116 08 74401	143	116 33 21115	137
115 65 21121	126	116 08 70605	147	116 08 74403	143	116 33 21315	137
115 65 21123	126	116 08 70701	147	116 08 74404	143	116 33 21618	137
115 65 21616	127	116 08 70702	147	116 08 74405	143	116 33 21718	137
115 65 21618	127	116 08 70703	147	116 08 74407	143	116 33 21923	137
115 65 21621	127	116 08 70705	147	116 08 74408	143	116 33 23026	137
115 65 21623	127	116 08 70801	147	116 08 74409	143	116 33 23126	137
115 65 21716	127	116 08 70802	147	116 08 74411	143	116 33 23723	139
115 65 21718	127	116 08 70803	147	116 08 74412	143	116 33 24130	139
115 65 21721	127	116 08 70805	147	116 08 74413	143	116 33 24330	139
115 65 21723	127	116 08 71201	147	116 08 74415	143	116 33 24523	138
115 65 22022	124	116 08 71202	147	116 08 74416	143	116 33 24723	138
115 65 22025	124	116 08 71203	147	116 08 74417	143	116 33 26024	138
115 65 22028	124	116 08 71205	147	116 08 74419	143	116 33 26122	138
115 65 22122	124	116 08 71301	147	116 08 74420	143	116 33 27414	140
115 65 22125	124	116 08 71302	147	116 08 74421	143	116 33 27417	140
115 65 22128	124	116 08 71303	147	116 08 74423	143	116 33 27419	140
115 65 22622	125	116 08 71305	147	116 08 75202	145	116 33 27422	140
115 65 22625	125	116 08 71401	147	116 08 75203	145	116 33 27514	140
115 65 22628	125	116 08 71402	147	116 08 75204	145	116 33 27517	140
115 65 22722	125	116 08 71403	147	116 08 75601	145	116 33 27519	140
115 65 22725	125	116 08 71405	147	116 08 75602	145	116 33 27522	140
115 65 22728	125	116 08 74200	143	116 08 75603	145	116 33 28015	141
	128	116 08 74201	143	116 08 76200	146	116 33 28115	141
115 65 23725	128	116 08 74203	143	116 08 76201	146	116 33 28219	140

OBSAH

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116 33 28918	141	117 14 0130R	163	117 33 38017	156	117 55 52020	170
116 33 29023	141	117 17 16022	177	117 33 38021	156	117 55 52317	170
116 33 29027	141	117 17 16025	177	117 33 38233	156	117 61 47015	115
116 33 29123	141	117 17 16122	177	117 33 38245	156	117 61 47019	115
116 33 29127	141	117 17 16125	177	117 33 38433	156	117 61 47115	115
116 33 29524	142	117 17 17018	171	117 33 38445	156	117 61 47119	115
116 34 2052	152	117 17 17025	171	117 33 39115	157	117 61 47128	115
116 34 2053	152	117 17 17118	171	117 33 39119	157	117 61 47219	115
116 34 2055	152	117 17 17125	171	117 33 39124	157	117 61 47228	115
116 34 2056	152	117 17 17218	171	117 33 39126	157	117 61 47319	115
116 34 45947	151	117 17 17225	171	117 33 39128	157	117 61 47328	115
116 34 54215	151	117 17 17318	171	117 33 39517	157	117 61 48115	115
116 34 54522	151	117 17 17325	171	117 33 39525	157	117 61 48119	115
116 34 54622	151	117 17 17425	172	117 33 39526	157	117 61 48215	115
116 34 54718	150	117 17 17525	172	117 33 39527	157	117 61 48219	115
116 34 54723	150	117 17 18025	172	117 33 40217	158	117 61 48228	115
116 34 54728	150	117 17 21013	177	117 33 40420	158	117 61 48319	115
116 34 54818	151	117 17 21016	177	117 33 40520	158	117 61 48328	115
116 34 63018	150	117 17 21018	177	117 33 40719	158	117 61 48428	115
116 41 44326	144	117 17 22025	178	117 33 40913	158	117 63 10620	167
116 41 44727	144	117 17 22625	179	117 33 41019	158	117 63 10720	167
116 57 12335	25	117 19 0070	164	117 33 41216	159	117 63 11020	167
116 57 12535	25	117 22 0270R	166	117 33 41224	159	117 63 11120	167
116 57 12634	25	117 22 0280R	166	117 33 41314	159	117 63 11722	167
116 57 13126	26	117 22 0290R	166	117 33 41523	159	117 63 23101	166
116 57 13727	26	117 27 0010R	175	117 33 41525	159	117 63 23102	166
116 57 14136	26	117 27 0020	176	117 33 41528	159	117 63 23103	166
116 57 14728	26	117 27 0260R	178	117 33 42120	160	117 63 23104	166
116 57 2471	146	117 27 0270R	178	117 33 42323	160	117 63 23105	166
116 57 2472	146	117 27 0280R	178	117 33 96216	161	117 63 23106	166
116 57 2473	146	117 27 0290R	178	117 33 96415	161	117 65 10214	164
116 57 2476	146	117 27 0500R	179	117 33 96419	161	117 65 11015	164
116 57 2477	146	117 27 0510R	179	117 33 96424	161	117 65 12015	164
116 57 2478	146	117 30 0100R	169	117 33 96511	161	117 65 12019	164
116 63 10123	149	117 31 0010R	172	117 33 96720	161	117 65 12022	164
116 63 10323	149	117 31 0030R	172	117 34 00170	162	117 65 12024	164
116 69 30128	149	117 31 35028	154	117 34 00171	162	117 65 12416	164
116 69 30135	149	117 31 36030	154	117 34 53028	162	117 65 12420	164
116 69 31123	149	117 31 36228	154	117 34 53217	162	117 65 12425	164
116 69 31133	149	117 31 36623	154	117 34 53318	162	117 65 12430	164
116 69 31140	149	117 31 39518	154	117 34 53415	162	117 65 13015	164
116 69 32123	149	117 31 39724	154	117 34 53614	162	117 65 14015	165
116 69 32133	149	117 33 36221	155	117 34 53818	181	117 65 14019	165
116 69 32140	149	117 33 36519	155	117 39 0070	304	117 65 15020	165
117 05 19017	153	117 33 36623	155	117 41 01914	114	117 65 16016	165
117 05 19020	153	117 33 36626	155	117 41 02800	114	117 65 16018	165
117 05 19025	153	117 33 36826	155	117 47 16116	169	117 65 16020	165
117 08 0020R	160	117 33 37022	155	117 47 17114	169	117 65 16024	165
117 08 0040R	155	117 33 37027	155	117 47 17314	169	117 65 16416	181
117 08 17021	173	117 33 37030	155	117 50 0620R	114	117 65 16420	181
117 08 17225	174	117 33 37222	156	117 51 20219	170	117 65 16816	165
117 13 11500	112	117 33 37226	156	117 51 20319	170	117 65 16820	165
117 13 35815	173	117 33 37233	156	117 51 20518	170	117 65 17018	163
117 13 35820	173	117 33 37319	156	117 51 20523	170	117 65 17020	163
117 13 37414	172	117 33 37319A	156	117 51 20721	169	117 65 17220	163
117 13 37725	173	117 33 37323	156	117 51 20920	169	117 65 17420	181
117 13 37726	173	117 33 37323A	156	117 51 21121	170	117 67 10620	168
117 14 0110R	163	117 33 37326	156	117 51 21321	170	117 67 11123	168

OBSAH

Obj. číslo	str.	Obj. číslo	str.	Obj. číslo	str.	Obj. číslo	str.
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117 67 12524	168	118 08 10214	189	118 19 18325	200	118 41 06418	186
117 67 17220	168	118 08 10216	189	118 19 18525	200	118 49 60507	192
117 67 17228	168	118 08 10218	189	118 19 18725	200	118 49 60514	192
117 71 51018	175	118 08 1050	194	118 19 18738	201	118 49 60516	192
117 71 51524	176	118 08 1060	194	118 19 18750	201	118 49 61012	192
117 71 52406	175	118 08 1070	194	118 19 18775	201	118 49 61013	192
117 71 52408	175	118 08 1080	194	118 19 19140	199	118 49 61016	192
117 71 52410	175	118 08 1090	194	118 19 19162	199	118 67 10121	198
117 71 52506	175	118 08 1100	197	118 19 21602	187	118 67 10322	198
117 71 52508	175	118 08 1110R	197	118 19 21605	187	118 67 14727	198
117 71 52510	175	118 08 1120	196	118 19 21607	187	119 06 099	228
117 71 53221	176	118 08 1130	196	118 19 21610	187	119 08 0001	223
117 71 53321	176	118 08 16003	190	118 19 22003	188	119 08 0250	215
117 71 53628	176	118 08 16008	190	118 19 22004	188	119 08 0450	218
117 71 54027	174	118 08 16203	190	118 19 22103	188	119 08 0460	218
117 71 54220	173	118 08 16208	190	118 19 22104	188	119 08 0740	218
117 71 54332	174	118 08 24108	195	118 19 22602	188	119 08 0930	218
118 08 0010	188	118 08 24110	195	118 19 22603	188	119 08 0940	218
118 08 0020	188	118 08 24112	195	118 19 22604	188	119 08 09901	227
118 08 0050	188	118 08 24114	195	118 19 22702	188	119 08 50005	203
118 08 0060	188	118 08 24116	195	118 19 22703	188	119 08 50105	203
118 08 02801	185	118 08 24118	195	118 19 22704	188	119 08 54410	204
118 08 02802	185	118 08 24701	202	118 19 23208	188	119 08 54413	204
118 08 02803	185	118 08 24702	202	118 19 23210	188	119 08 54416	204
118 08 02804	185	118 08 24703	202	118 19 23212	188	119 08 54510	204
118 08 0310	190	118 08 24704	202	118 19 23214	188	119 08 54513	204
118 08 0320R	190	118 08 24705	202	118 19 23216	188	119 08 54516	204
118 08 0330	190	118 08 24800	202	118 19 23218	188	119 08 55222	206
118 08 03401	186	118 08 24801	202	118 19 23308	189	119 08 55322	206
118 08 03402	186	118 08 24802	202	118 19 23311	189	119 08 55701	213
118 08 0340R	190	118 08 28464	199	118 19 23315	189	119 08 55720	206
118 08 0350	190	118 08 29202	197	118 19 23317	189	119 08 58010	230
118 08 0360	190	118 08 29204	197	118 19 23320	189	119 08 58011	230
118 08 03601	186	118 12 0010	185	118 19 23323	189	119 08 58012	230
118 08 03602	186	118 12 0020	185	118 19 31857	194	119 08 58013	230
118 08 0390	190	118 12 0050	187	118 19 34010	197	119 08 58014	230
118 08 0400	190	118 12 0060	187	118 19 34015	197	119 08 58020	230
118 08 0410	190	118 12 0070	187	118 19 34020	197	119 08 58021	230
118 08 0420	190	118 12 0080	187	118 19 36450	191	119 08 58022	230
118 08 0530	191	118 12 0090	184	118 19 36460	191	119 08 58023	230
118 08 0540	191	118 19 10212	183	118 19 36470	191	119 08 58024	230
118 08 0550	196	118 19 10215	183	118 19 36608	191	119 08 58200	230
118 08 0560	196	118 19 11013	183	118 19 36708	191	119 08 58201	230
118 08 0650R	193	118 19 11018	183	118 19 37050	196	119 08 58301	209
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118 08 0670R	193	118 19 12014	183	118 19 37222	196	119 08 59617	205
118 08 0680	193	118 19 12015	183	118 19 37465	196	119 08 59817	212
118 08 0800R	192	118 19 12017	183	118 29 0060	186	119 08 59901	209
118 08 0810R	192	118 19 12213	183	118 38 0010R	188	119 08 59902	209
118 08 0840R	192	118 19 12415	183	118 38 0020R	188	119 08 61920	217B
118 08 08610	189	118 19 12711	184	118 38 0030R	188	119 08 62025	217A
118 08 08617	189	118 19 13121	184	118 38 0050R	185	119 08 65000	219
118 08 08620	189	118 19 13420	184	118 38 0060R	185	119 08 65001	219
118 08 08622	189	118 19 13519	184	118 38 0210	187	119 08 65038	219
118 08 09016	188	118 19 16017	184	118 38 0220	187	119 08 65050	219
118 08 09018	188	118 19 16117	184	118 38 0230	187	119 08 65545	219
118 08 10208	189	118 19 18019	200	118 38 0360R	187	119 08 65560	219
118 08 10210	189	118 19 18122	200	118 38 0370	187	119 08 65635	219

OBSAH

Obj. číslo	str.	Obj. číslo	str.	Obj. číslo	str.	Obj. číslo	str.
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119 08 66178	218	119 19 72060	213	119 22 0301	218	121 19 17032	231
119 08 70000	220	119 19 72065	213	119 27 0001	223	121 19 17040	231
119 08 71228	220	119 19 72100	212	119 34 11000	254	121 19 17045	231
119 08 71230	220	119 19 72115	212	119 41 40116	214	121 19 17050	231
119 14 0050	225	119 19 72440	213	119 41 40517	214	121 19 17065	231
119 19 61007	203	119 19 72445	213	119 41 40527	214	121 19 17076	231
119 19 61107	203	119 19 72450	213	119 43 10104	203	121 19 17417	231
119 19 62007	203	119 19 72455	213	119 43 10907	203	121 19 17425	231
119 19 62010	203	119 19 72460	213	119 43 10909	203	121 19 17437	231
119 19 62107	203	119 19 72540	213	119 43 13507	203	121 19 17440	231
119 19 62110	203	119 19 72545	213	119 55 11114	214	121 19 17528	232
119 19 63010	204	119 19 72550	213	119 55 11314	214	121 31 0010R	232
119 19 63110	204	119 19 72555	213	119 57 21016	225	121 57 28932	232
119 19 63410	203	119 19 72560	213	119 57 21020	225	122 69 10522	233
119 19 63510	203	119 19 74400	211	119 57 21025	225	122 69 11015	233
119 19 65010	204	119 19 74417	211	119 57 21475	225	122 69 11515	233
119 19 65110	204	119 19 74540	211	119 57 23620	226	122 69 12100	234
119 19 67014	204	119 19 74545	211	119 57 23625	226	122 69 13019	234
119 19 67016	204	119 19 74550	211	119 57 23630	226	122 69 14206	236
119 19 67020	204	119 19 74555	211	119 57 24220	226	122 69 14208	236
119 19 67024	204	119 19 74560	211	119 57 24226	226	122 69 14212	236
119 19 67114	204	119 19 74565	211	119 57 24230	226	122 69 14215	236
119 19 67116	204	119 19 74570	211	119 57 26002	224	122 69 21022	235
119 19 67120	204	119 19 74840	211	119 57 26003	224	122 69 21216	235
119 19 67124	204	119 19 74845	211	119 57 26006	226A	122 69 21219	235
119 19 67211	205	119 19 74850	211	119 57 26009	226A	122 69 21222	235
119 19 67311	205	119 19 74855	211	119 57 26416	226A	122 69 22005	234
119 19 67415	205	119 19 74860	211	119 57 27000	224	122 69 22010	234
119 19 67500	205	119 19 74865	211	119 57 28416	227	122 69 22014	235
119 19 67600	205	119 19 74870	211	119 57 28616	227	122 69 22020	235
119 19 67920	206	119 19 74875	211	119 66 260	228	122 69 22421	234
119 19 68019	206	119 19 74885	211	119 66 262	228	122 69 22427	234
119 19 68119	206	119 19 75400	215	119 66 266	228	122 71 30101	199
119 19 68226	207	119 19 75885	217	119 66 267	228	122 71 30102	199
119 19 68326	207	119 19 76014	215	119 66 268	228	122 71 30103	199
119 19 68416	206	119 19 76216	215	119 66 270	228,229	122 71 30301	199
119 19 68516	206	119 19 76418	217B	119 66 273	228,229	122 71 30302	199
119 19 68632	207	119 19 76420	217A	119 66 274	228	122 71 30303	199
119 19 69031	208	119 19 76425	217B	119 66 275	228	122 71 30304	199
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119 19 69618	212	119 19 76502	217A	119 66 282	229	122 71 30502	199
119 19 69818	212	119 19 76503	217A	119 66 283	229	122 71 30503	199
119 19 71000	210	119 19 76690	217	119 66 285	229	122 71 30504	199
119 19 71001	210	119 19 76718	217	119 67 13000	222		237
119 19 71040	210	119 19 80209	209	119 67 15000	216		237
119 19 71045	210	119 19 80211	209	119 67 16000	216	123 08 0010R	237
119 19 71050	210	119 19 80214	209	119 67 16300	222	123 08 0020R	237
119 19 71055	210	119 19 80216	209	119 69 14700	222	123 08 0030R	237
119 19 71060	210	119 19 80218	209	119 69 15015	216	123 08 60720	237
119 19 71100	210	119 19 80418	209	121 19 16806	231	123 08 60821	237
119 19 71101	210	119 19 81022	220	121 19 16808	231	123 08 60923	237
119 19 71140	210	119 19 81260	221	121 19 16810	231	123 17 0020	239
119 19 71145	210	119 19 81600	221	121 19 16812	231	123 17 0030	239
119 19 71150	210	119 22 0001	218	121 19 16817	231	123 17 0060	238
119 19 71155	210	119 22 0180	218	121 19 16820	231	123 17 0081	239
119 19 71160	210	119 22 0181	218	121 19 16825	231	123 17 0560	238
119 19 72045	213	119 22 0220	218	121 19 16925	231	123 17 0620	239
119 19 72050	213	119 22 0221	218	121 19 17020	231	123 17 0650	238

OBSAH

Obj. číslo	str.	Obj. číslo	str.	Obj. číslo	str.	Obj. číslo	str.
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123 30 0030	240	124 10 0111	246	125 63 17308	251	128 08 0030R	258
123 33 76301	241	124 14 0040	248	125 63 18017	251	128 08 0031	259
123 33 76302	241	124 14 0050	245	125 63 18021	251	128 08 0040R	258
123 33 76303	241	124 14 0060	245	125 63 18024	251	128 08 0041	259
123 33 76304	241	124 14 0181	246	125 63 18027	251	128 08 0050R	258
123 33 80108	242	124 14 0191	246	126 71 70201	250	128 08 0106R	258
123 33 80118	242	124 30 0020R	247	126 71 70202	250	128 08 0250R	258
123 33 80143	242	124 33 70510	246	126 71 70203	250	128 08 0251	259
123 33 80170	242	124 33 70515	246	126 71 70204	250	128 08 0260R	258
123 33 80201	241	124 33 70520	246	126 71 70205	250	128 08 0261	259
123 33 80202	241	124 33 70525	246	126 71 70206	250	128 08 0270R	258
123 33 80214	241	124 33 70921	246	126 71 70301	250	128 08 0271	259
123 33 80305	241	124 33 72901	248	126 71 70302	250	128 08 0280R	258
123 33 80307	241	124 33 72902	248	126 71 70303	250	128 08 0290R	258
123 33 80343	243	124 33 72903	248	126 71 70304	250	128 08 0300R	258
123 33 80522	243	124 33 72904	248	126 71 70305	250	128 08 0301	259
123 33 80533	243	124 33 72905	248	126 71 70306	250	128 08 0310R	258
123 33 80724	243	124 33 72906	248	127 08 0030	254	128 08 0311	259
123 33 80922	243	124 33 72907	248	127 08 0050	254	128 08 0320R	258
123 33 81106	240	124 33 75417	247	127 08 0060	254	128 08 0321	259
123 33 81108	240	124 33 75517	247	127 08 99500	253	128 08 0330R	258
123 33 81506	240	124 33 75617	247	127 17 0011R	255	128 08 0340R	258
123 33 82326	244	124 33 75717	247	127 17 0021R	255	128 08 0350	258
123 33 82526	244	124 33 75906	247	127 17 0050	255	128 08 0390	258
123 33 82717	244	124 33 75912	247	127 31 12019	253	128 08 0901	257
123 33 83116	244	124 33 75919	247	127 31 13014	253	128 08 0911	257
123 33 83316	244	124 33 75925	247	127 31 20350	253B	128 08 0921	257
123 41 16101	240	125 08 0110	249	127 31 20401	253A	128 30 0010	260
123 41 16102	240	125 08 0120	249	127 31 20402	253A	128 30 0030	260
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123-031-170	62D	125 08 0140	249	127 31 20404	253A	128 30 0200	260
123-037-170	62D	125 08 0150	249	127 31 20508	253A	128 30 0230	260
123-070-115	62A	125 08 0160	249	127 31 20509	253A	128 33 60204	261
123-071-115	62A	125 08 0170	249	127 31 20520	253B	128 33 60206	261
123-089-150	62B	125 08 0180	249	127 31 20521	253B	128 33 60208	261
123-111-145	62C	125 08 0190	249	127 31 21022	253	128 33 60210	261
123-111-180	62C	125 08 0200	249	127 31 21045	253	128 33 60212	261
123-111-200	62C	125 08 0210	249	127 31 21050	253	128 33 60214	261
123-152-145	62B	125 08 0310	249	127 31 21065	253	128 33 60216	261
123-153-145	62B	125 17 0120R	250	127 31 21145	253	128 33 60404	261
123-196-110	62A	125 17 0130R	250	127 31 21150	253	128 33 60406	261
123-197-110	62A	125 17 0140R	250	127 31 21165	253	128 33 60408	261
123-197-120	62A	125 17 0150R	250	127 31 21250	253	128 33 60410	261
123-197-150	62C	125 17 0160R	250	127 31 21265	253	128 33 60412	261
123-305-170	62E	125 17 0170	250	127 33 97124	256	128 33 60414	261
123-311-180	62D	125 27 0050R	250	127 33 97222	256	128 33 60416	261
123-311-190	62E	125 27 0060R	250	127 33 97327	256	128 33 60504	261
123-317-145	62B	125 38 0010R	249	127 33 97530	256	128 33 60506	261
123-507-230	62E	125 38 0020R	249	127 33 97728	256	128 33 60508	261
123-583-190	62E	125 38 0030R	249	127 34 11630	254	128 33 60510	261
123-584-190	62D	125 38 0040R	249	127 34 11831	254	128 33 60512	261
124 08 0090R	245	125 38 0050R	249	127 34 12023	254	128 33 60514	261
124 08 0100R	245	125 63 17301	251	127 34 17500	254	128 33 60516	261
124 08 0110R	245	125 63 17302	251	127 34 17501	254	128 33 61004	260
124 08 0120R	245	125 63 17303	251	128 01 0030R	257	128 33 61006	260
124 08 0130	245	125 63 17304	251	128 01 0050R	257	128 33 61008	260
124 08 0170R	246	125 63 17305	251	128 08 0010R	258	128 33 61010	260
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OBSAH

Obj. číslo	str.	Obj. číslo	str.	Obj. číslo	str.	Obj. číslo	str.
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128 33 61106	260	131 34 24209	264	132 08 55013	276	132 08 80002	287
128 33 61108	260	131 34 24214	264	132 08 55018	276	132 08 80222	286
128 33 61110	260	131 34 24216	264	132 08 55218	276	132 08 80322	286
128 33 61112	260	131 34 24222	264	132 08 57014	276	132 08 80619	286
128 33 61114	260	131 34 24410	264	132 08 57114	276	132 08 80719	286
128 33 62002	261	131 34 24414	264	132 08 57618	276	132 08 80803	286
128 33 62003	261	131 34 24416	264	132 08 57718	276	132 08 80805	286
128 33 62004	261	131 34 24417	264	132 08 57818	276	132 08 80807	286
128 33 62005	261	131 34 24600	263	132 08 57918	276	132 08 81025	287
128 33 62006	261	131 34 24800	264	132 08 58001	277	132 08 81128	287
128 33 62007	261	131 34 25000	263	132 08 58216	277	132 23 19508	290
128 33 62008	261	131 34 25200	263	132 08 58218	277	132 23 19508Z	290
128 33 62202	261	131 34 28000	263	132 08 58220	277	132 23 19510	290
128 33 62203	261	131 34 29500	263	132 08 58223	277	132 23 19510Z	290
128 33 62204	261	131 34 29600	263	132 08 58226	277	132 23 19512	290
128 33 62205	261	132 06 0003	273	132 08 58822	277	132 23 19512Z	290
128 33 62206	261	132 06 0003A	273	132 08 65009	280	132 23 19514	290
128 33 62207	261	132 06 0200R	266	132 08 65109	280	132 23 19514Z	290
128 33 62208	261	132 06 0220R	266	132 08 65209	280	132 23 19516	290
128 33 62302	261	132 06 0300	266	132 08 65309	280	132 23 19516Z	290
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128 33 62506	261	132 06 0720R	272	132 08 68016	282	132 23 19716	290
128 33 62507	261	132 06 0730R	272	132 08 68018	282	132 23 19716Z	290
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128 33 63020	258	132 08 43620	268	132 08 68118	282	132 25 12913	269
128 33 66803	261	132 08 43623	268	132 08 68120	282	132 25 13413	269
128 33 66805	261	132 08 43814	268	132 08 68122	282	132 25 14413	269
128 33 66806	261	132 08 43818	268	132 08 72020	283	132 25 14813	269
128 33 66808	261	132 08 43820	268	132 08 72120	283	132 25 15412	270
128 33 66809	261	132 08 43823	268	132 08 72220	283	132 25 15414	270
129 09 0600	262	132 08 44618	270	132 08 72320	283	132 25 16415	270
129 09 0610	262	132 08 44815	270	132 08 72421	283	132 25 18014	265
	262	132 08 44817	270	132 08 72427	283	132 25 18018	265
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131 34 21225	264	132 08 47020	271	132 08 72820	283	132 25 18026	265
131 34 21230	264	132 08 47023	271	132 08 72920	283	132 25 18030	265
131 34 21235	264	132 08 50217	274	132 08 73020	283	132 25 18414	267
131 34 21240	264	132 08 50220	274	132 08 73120	283	132 25 18418	267
131 34 21408	264	132 08 50223	274	132 08 73221	283	132 25 18424	267
131 34 21410	264	132 08 50717	275	132 08 73227	283	132 25 18430	267
131 34 21412	264	132 08 50719	275	132 08 73321	283	132 25 19016	265
131 34 21416	264	132 08 51017	275	132 08 73327	283	132 25 19018	265
131 34 21610	264	132 08 51020	275	132 08 77401	284	132 25 19020	265
131 34 21615	264	132 08 51024	275	132 08 77402	284	132 25 21416	267
131 34 21620	264	132 08 53520	275	132 08 78001	284	132 25 21418	267

OBSAH

Obj. číslo	str.	Obj. číslo	str.	Obj. číslo	str.	Obj. číslo	str.
132 25 21420	267	132 25 67113D	279	133 08 0090	291	134 08 14003	297
132 25 21423	267	132 25 67114D	279	133 08 0100	291	134 08 14004	297
132 25 21426	267	132 25 67614	276	133 08 0110	291	134 08 40000	298
132 25 21431	267	132 25 67714	276	133 08 0120	291	134 08 40800	298
132 25 22413	268	132 25 68413	277	133 14 0100R	293	134 08 42022	298
132 25 22415	268	132 25 70018	278	133 14 0110R	293	134 08 42122	298
132 25 22418	268	132 25 70118	278	133 14 0120R	293	134 08 42220	298
132 25 22420	268	132 25 72012	278	133 14 0130R	293	134 67 18439	300
132 25 22423	268	132 25 72012D	279	133 14 0140R	293	134 67 18535	300
132 25 22426	268	132 25 72013	278	133 14 0150R	293	134 67 20108	300
132 25 22513	268	132 25 72013D	279	133 14 0400R	293	134 67 20110	300
132 25 22515	268	132 25 72014	278	133 14 0600R	293	134 67 20112	300
132 25 22518	268	132 25 72014D	279	133 14 0700R	293	134 67 20114	300
132 25 22520	268	132 25 73018	278	133 14 0800R	293	134 67 20116	300
132 25 22523	268	132 25 73018D	279	133 17 0061	255	134 67 20118	300
132 25 22526	268	132 25 73021	278	133 20 0050R	294	134 67 20120	300
132 25 23018	267	132 25 73021D	279	133 20 0070	294	134 67 20122	300
132 25 23020	267	132 25 73023	278	133 20 0080	294	134 67 20124	300
132 25 23023	267	132 25 73023D	279	133 20 0090	294	134 67 20126	300
132 25 24521	272	132 25 73112	278	133 20 0100	294	134 67 20128	300
132 25 25427	271	132 25 73113	278	133 20 0110	294	134 67 20130	300
132 25 26427	271	132 25 73114	278	133 20 0120	294	134 67 20132	300
132 25 28520	272	132 25 73118	278	133 20 0130	294	134 67 20134	300
132 25 28524	272	132 25 73118D	279	133 20 0140	294	134 67 20136	300
132 25 28526	272	132 25 73121	278	133 21 02100	294	134 67 20508	300
132 25 28530	272	132 25 73121D	279	133 21 02110	294	134 67 20510	300
132 25 31520	271	132 25 73123	278	133 21 02115	294	134 67 20512	300
132 25 31527	271	132 25 73123D	279	133 21 02120	294	134 67 20514	300
132 25 32418	271	132 27 20115	284	133 21 02125	294	134 67 20516	300
132 25 32426	271	132 27 20119	285	133 21 02130	294	134 67 20518	300
132 25 40712	272	132 27 20121	285	133 21 02135	294	134 67 20520	300
132 25 41014	266	132 27 20215	284	133 21 02140	294	134 67 20522	300
132 25 41017	266	132 27 20219	285	133 21 02145	294	134 67 20524	300
132 25 41414	272	132 27 20221	285	133 21 02150	294	134 67 20526	300
132 25 41417	272	132 27 20315	284	133 21 15000	292	134 67 20528	300
132 25 41418	272	132 27 20319	285	133 21 15002	292	134 67 20530	300
132 25 43813	269	132 27 20321	285	133 21 15003	292	134 67 20532	300
132 25 44725	275	132 27 20415	284	133 21 15006	292	134 67 20534	300
132 25 45020	266	132 27 20419	285	133 21 15009	292	134 67 20536	300
132 25 45024	266	132 27 20421	285	133 21 15012	292	134 67 20538	300
132 25 45214	274	132 38 0120R	266	133 21 15015	292	134 67 20540	300
132 25 45217	274	132 89 11265	289,303	133 21 15080	292	134 67 21108	301
132 25 45220	274	132 89 11365	289,303	133 21 15090	292	134 67 21110	301
132 25 45224	274	132 89 11400	289,303	133 22 0011	295	134 67 21112	301
132 25 46018	273	132 93 25015T	279	133 22 0012	295	134 67 21114	301
132 25 46020	273	132 93 25018T	279	133 22 0013	295	134 67 21116	301
132 25 46023	273	132 93 25021T	279	133 22 0014	295	134 67 21118	301
132 25 46520	275	132 93 25115T	279	133 29 0010	291	134 67 21120	301
132 25 46525	275	132 93 25118T	279	133 30 0030R	291	134 67 21122	301
132 25 61512	269	132 93 25121T	279	133 35 0010R	287	134 67 21124	301
132 25 66012	278	132 93 26015T	279	133 38 0060	291	134 67 21308	301
132 25 66013	278	132 93 26018T	279	133 38 0070	291	134 67 21310	301
132 25 66014	278	132 93 26021T	279	133 38 0080	291	134 67 21312	301
132 25 66112	278	132 93 26115T	279	134 08 12030	297	134 67 21314	301
132 25 66113	278	132 93 26118T	279	134 08 12040	297	134 67 21316	301
132 25 66114	278	132 93 26121T	279	134 08 12050	297	134 67 21318	301
132 25 66818	277	133 08 0020	291	134 08 12060	297	134 67 21320	301
132 25 66823	277	133 08 0050	291	134 08 14001	297	134 67 21322	301
132 25 67112D	279	133 08 0060	291	134 08 14002	297	134 67 21324	301

OBSAH

Obj. číslo	str.	Obj. číslo	str.	Obj. číslo	str.	Obj. číslo	str.
134 67 21908	301	162 08 0115	299	91 112-03N	85A	AC 940/18 SC	54C
134 67 21910	301	162 08 0116	299	91 112-05N	85A	AC 940/20 SC	54C
134 67 21912	301	170-020-001	185	91 112-10N	85A	AC 941/18 SC	54C
134 67 21914	301	170-020-002	185	91 160-03N	85A	AC 941/20 SC	54C
134 67 21916	301	170-020-003	185	91 160-05N	85A	AC 941/23 SC	54C
134 67 21918	301	180-919-451	115	91 160-10N	85A	AC 941/25 SC	54C
134 67 21920	301	180-919-452	115	91 160-20N	85A	AC 960/14 SC	54C
134 67 21922	301	180-919-453	115	91 162-05N	85A	AC 961/14 SC	54C
134 67 21924	301	21 154-01	292A	91 162-10N	85A	AC 970/18 SC	54C
139 08 93000	306	21 154-02	292A	91 166-03N	85A	AC 970/20 SC	54C
139 29 15012	303	21 154-03	292A	91 166-05N	85A	AC 971/18 SC	54C
139 29 15214	303	21 154-04	292B	91 166-10N	85A	AC 971/20 SC	54C
139 39 0020	305	21 154-05	292B	91 166-20N	85A	AC 974/11 SC	54D
139 39 0030	305	21 154-06	292B	91 168-05N	85B	AC 975/11 SC	54D
	306	34 492-01	262	91 168-10N	85A	AC 984/11 SC	54D
139 6/2QB	306	34 492-02	262	91 180-05N	85A	AC 985/11 SC	54D
139 75 39700	306	34 492-03	262	91 180-10N	85A	AD 065/10	13
139 89 12704	304	47 223-01	148	91 180-20N	85A	AD 065/13	13
139 89 12706	304	47 223-02	148	91 182-10N	85A	AD 065/15	13
139 89 12708	304	47 223-03	148	91 182-20N	85A	AD 065/61	14
139 89 12711	304	47 223-04	148	91 200-05N	85A	AD 065/62	14
139 89 12712	304	47 223-05	148	91 200-10N	85A	AD 065/63	14
139 89 12714	304	47 224-01	148	91 200-20N	85A	AD 065/64	14
139 89 12716	304	47 224-02	148	91 202-05N	85A	AD 065/65	14
139 89 12718	304	47 224-03	148	91 202-10N	85A	AD 065/67	14
139 89 13316	304	47 224-04	148	91 202-20N	85A	AD 065/69	14
139 89 13317	304	47 224-05	148	91 206-05N	85A	AD 075/10	14
139 89 13322	304	47 225-01	148	91 206-10N	85A	AD 075/11	14
139 89 13324	304	47 225-02	148	91 206-20N	85A	AD 075/15	14
139 89 13331	304	47 225-03	148	91 207-10N	85B	AD 075/20	14
139 89 13334	304	47 225-04	148	91 208-10N	85B	AD 075/21	14
139 89 13338	304	47 522-01	255	91 220-10N	85A	AD 075/22	14
139 89 13917	304	47 522-04	255	91 220-20N	85A	AD 075/23	14
139 89 13925	304	47 522-05	255	91 222-10N	85A	AD 075/24	14
139 89 13927	304	47 522-07	255	91 222-20N	85A	CBM FPTFE190	310
139 89 14002	304	47 522-09	255	91 226-05N	85A	FLQ-150	2D
139 89 14005	304	47 532-19	254	91 226-10N	85A	KYE 300/03	305
139 89 14010	304	47 533-19	254	91 226-20N	85A	KYE 300/05	305
139 89 14020	304	47 534-19	254	91 227-10N	85B	KYE 300/07	305
139 89 14523	306	6091	2A	91 228-10N	85B	KYE 300/10	305
139 89 14530	306	700-101-000	85B	91 240-10N	85A	KYE 301/03	305
139 89 14531	306	700-101-001	85B	91 242-10N	85A	KYE 301/05	305
139 89 14535	306	700-101-130	85B	91 246-05N	85A	KYE 301/07	305
139 89 14721	306	700-101-150	85B	91 246-10N	85A	KYE 301/10	305
139 89 14724	306	700-287-030	85B	91 246-20N	85A	KYE 302/03	305
139 89 14730	306	700-287-050	85B	91 300-10N	85A	KYE 302/05	305
139 89 14731	306	700-287-130	85B	91 300-20N	85A	KYE 302/07	305
139 89 14735	306	700-287-150	85B	AC 902/14 SC	54D	KYE 302/10	305
139 89 14740	306	700-350-030	85B	AC 903/14 SC	54D	KYE 303/03	305
162 08 0101	299	700-350-050	85B	AC 910/14 SC	54D	KYE 303/05	305
162 08 0102	299	700-350-130	85B	AC 910/17 SC	54D	KYE 303/07	305
162 08 0103	299	700-350-150	85B	AC 911/14 SC	54D	KYE 303/10	305
162 08 0104	299	700-351-031	85B	AC 911/17 SC	54D	R 304.01	307
162 08 0105	299	700-351-051	85B	AC 916/15 SC	54D	R 304.02	307
162 08 0106	299	700-351-131	85B	AC 916/17 SC	54D	R 304.03	307
162 08 0111	299	700-351-151	85B	AC 917/15 SC	54D	R 304.04	307
162 08 0112	299	91 110-03N	85A	AC 917/17 SC	54D	R 304.05	307
162 08 0113	299	91 110-05N	85A	AC 930/14 SC	54C	R 304.06	307
162 08 0114	299	91 110-10N	85A	AC 931/14 SC	54C	R 305.05	307

OBSAH

Obj. číslo	str.	Obj. číslo	str.	Obj. číslo	str.	Obj. číslo	str.
R 305.08	307	R 450.10	308				
R 306.08	307	R 451.04	308				
R 310.05	307	R 451.07	308				
R 310.08	307	R 451.10	308				
R 311.08	307	R 460.04	308				
R 320.05	307	R 460.07	308				
R 320.08	307	R 460.10	308				
R 321.08	307	R 461.04	308				
R 330.05	307	R 461.07	308				
R 330.08	307	R 461.10	308				
R 331.08	307	R 495.00	308				
R 340.05	307	R 500.01	309				
R 340.08	307	R 506.04	309				
R 341.08	307	R 506.06	309				
R 350.05	307	R 506.13	309				
R 350.08	307	R 510.04	309				
R 351.08	307	R 510.06	309				
R 390.03	307	R 510.13	309				
R 390.05	307	R 610.06	309				
R 393.00	307	R 612.07	309				
R 395.00	307	R 620.06	309				
R 400.01	308	R 622.07	309				
R 400.02	308	R 630.06	309				
R 400.03	308	R 632.07	309				
R 400.04	308	R 640.06	309				
R 400.05	308	R 642.07	309				
R 400.06	308	R 650.06	309				
R 405.04	308	R 652.07	309				
R 405.07	308	R 660.06	309				
R 405.10	308	R 662.07	309				
R 406.04	308	R 800.00	310				
R 406.07	308	R 800.01	310				
R 406.10	308	R 800.10	310				
R 410.04	308	R 800.20	310				
R 410.07	308	R 802.00	310				
R 410.10	308	R 802.01	310				
R 411.04	308	R 804.00	310				
R 411.07	308	R 804.01	310				
R 411.10	308	R 810.00	309				
R 420.04	308	R 812.00	309				
R 420.07	308	R 819.00	309				
R 420.10	308	R 820.01	309				
R 421.04	308	R 820.02	309				
R 421.07	308	R 820.03	309				
R 421.10	308	R 820.04	309				
R 430.04	308	R 820.05	309				
R 430.07	308	R 820.06	309				
R 430.10	308	R 850.00	308				
R 431.04	308	R 850.10	309				
R 431.07	308	R 851.00	307				
R 431.10	308	XR 880/21	86				
R 440.04	308	XR 880/25	86				
R 440.07	308	XR 881/21	86				
R 440.10	308	XR 881/25	86				
R 441.04	308						
R 441.07	308						
R 441.10	308						
R 450.04	308						
R 450.07	308						