

Tweezers and Forceps



Tweezers Reference Page

Material

The high quality microdissecting tweezers on the following pages are available in a number of different steel alloys. Which alloy to choose is very important and depends on how you intend to use the tweezers. The information below is provided to help compare the various alloys and their respective properties. Please note that not all tweezers patterns are available in all alloys.

- CARBON STEEL:** At Rockwell 60, carbon steel is one of the hardest tweezers steels. Carbon steel tips are very durable but because of this hardness, carbon steel tips are more brittle than some of the other steels. Carbon steel is also highly magnetic and stains easily.
- TITANIUM:** While not as hard as some of the other alloys (Rockwell 37 at tips), titanium tips are very flexible. Another unique property of titanium is that it is 33% lighter than other stainless alloys. Titanium is extremely corrosion and stain resistant, making it the preferred choice for salt water uses. Titanium also has a high heat resistance in excess of 400°C and is completely non-magnetic.
- STAINLESS STEEL:** The common name for various alloys composed of carbon steel and chromium. Alloys considered stainless exhibit good stain resistance and have varying degrees magnetism.
- INOX:** Inox is a specific stainless alloy composed of carbon steel and chromium. Inox tips are more flexible than pure carbon steel but not as hard (Rockwell 55). Inox has good stain resistance and is magnetic.
- DUMOXEL:** One of the most popular tweezers alloys, Dumoxel is even more stain resistant than Inox and is highly corrosion resistant. With a Rockwell 36 at the tips, tweezers made from this alloy have very soft, flexible tips. Dumoxel is non-magnetic and exhibits high temperature resistance.
- DUMOSTAR:** This new alloy is a blend of steel, chromium, nickel, cobalt and has many of the best features of the other alloys. Dumostar is heat resistant to over 500°C and is completely non-magnetic. Dumostar is extremely corrosion resistant and is one of the harder alloys at Rockwell 62. However, because of its unique composition, Dumostar tips are very flexible, are resistant to fatigue, and are capable of flexing far beyond other alloys without permanently deforming. This alloy is far superior in overall performance than any other material available today!

Tip Dimensions

Most tweezers patterns are available in two tip styles, namely "standard" and "biologie". The dimensions of each vary by pattern. In general, the "biologie" tips are about twice as fine as the "standard" tips. Below is a chart showing the tip dimensions of both standard and biologie tips by pattern of some of the more popular patterns:

	Tip Dimensions (mm)			
	Standard		Biologie	
	Width	Thickness	Width	Thickness
Pattern 1	0.20	x 0.12	0.10	x 0.06
Pattern 2	0.34	x 0.14	0.17	x 0.07
Pattern 3	0.17	x 0.10	0.08	x 0.04
Pattern 4	0.13	x 0.08	0.06	x 0.02
Pattern 5	0.10	x 0.06	0.05	x 0.01
Pattern 7	0.17	x 0.10	0.07	x 0.03

Please consult the following pages for dimensions of patterns not listed above.

Pattern #1

length 120mm

Tip Profile

RS-4900 tip .10 x .06mm
Material: Stainless Steel



RS-4900 Shown

RS-4960 tip .20 x .12mm
Material: Dumostar



RS-4960 Shown

RS-5040 tip .20 x .12mm
Material: INOX

Pattern #2

length 120mm

Tip Profile

RS-4902 tip .17 x .07mm
Material: Stainless Steel



RS-4902 Shown

RS-4962 tip .34 x .14mm
Material: Dumostar



RS-4962 Shown

RS-5041 tip .34 x .14mm
Material: INOX

Pattern #3

length 120mm

Tip Profile

RS-4903 tip .08 x .04mm
Material: Stainless Steel



RS-4903 Shown

RS-4964 tip .17 x .10mm
Material: Dumostar



RS-4966 Shown

RS-4966 tip .08 x .04mm
Material: Dumostar

RS-5042 tip .17 x .10mm
Material: INOX





RS-4970 Shown

Pattern #3C

length 110mm

Tip Profile 

RS-4970 tip .08 x .04mm
Material: Dumostar

RS-5043 tip .17 x .10mm
Material: INOX

RS-4968 tip .17 x .10mm
Material: Dumostar



RS-4904 Shown

Pattern #4

length 110mm

Tip Profile 

RS-4904 tip .06 x .02mm
Material: Stainless Steel

RS-4972 tip .13 x .08mm
Material: Dumostar



RS-4972 Shown

RS-4974 tip .06 x .02mm
Material: Dumostar

RS-5044 tip .13 x .08mm
Material: INOX



RS-5000 tip .02 x .06mm
Material: Stainless Steel

**Pattern #5 modified**tips closing flat on 4mm
length 110mm

RS-5001 tip .02 x .06mm
half curve
Material: Stainless Steel

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Pattern #5

length 110mm

Tip Profile

RS-4905 tip .05 x .01mm
Material: Stainless Steel



RS-4905 Shown

RS-4976 tip .10 x .06mm
Material: Dumostar



RS-4976 Shown

RS-4978 tip .05 x .01mm
Material: Dumostar

RS-5015 tip .05 x .01mm
Material: INOX

RS-5035 tip .08 x .04mm
Material: Carbon Steel

RS-5045 tip .10 x .06mm
Material: INOX

RS-5050 tip .05 x .01mm
Material: Titanium

RS-5055 tip .10 x .06mm
Material: Titanium

RS-5060 tip .05 x .01mm
Material: Dumoxel

RS-5065 tip .10 x .06mm
Material: Dumoxel

Pattern #5, 45° angle

length 109mm

Tip Profile

RS-4918 tip .05 x .01mm
Material: Stainless Steel



RS-4918 Shown

RS-5005 tip .05 x .01mm
Material: INOX




RS-5005 Shown


RS-5058 tip .10 x .06mm
Material: Dumoxel






RS-4919 Pattern #5, 90° angle
length 106mm
Tip Profile 
tip .05 x .01mm
Material: Stainless Steel



RS-5045A Pattern #5, 15° up
length 105mm
Tip Profile 
tip .10 x .06mm
Material: INOX




RS-5010 Shown

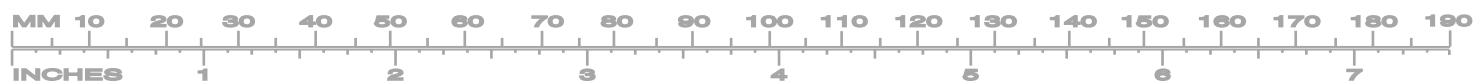
RS-4984 Pattern #55
length 110mm
Tip Profile 
tip .05 x .01mm
light superfine points
Material: Dumostar

RS-5063 tip .05 x .01mm
Material: Dumoxel


RS-5010 tip .05 x .01mm
light superfine points
Material: INOX



RS-4928 Pattern #5A
oblique points
length 115mm
Tip Profile 
tip .06 x .02mm
Material: Stainless Steel



Pattern #N5
cross action
 superfine points
 length 108mm

RS-5020 Tip Profile 
 tip .05 x .01mm
 Material: INOX



Pattern #6
 length 115mm
 Tip Profile 

RS-4906 tip .17 x .10mm
 Material: Stainless Steel



RS-5046 tip .17 x .10mm
 Material: INOX



Pattern #7
 length 115mm
 Tip Profile 

RS-4907 tip .07 x .03mm
 Material: Stainless Steel



RS-4907 Shown

RS-5047 tip .17 x .10mm
 Material: INOX



RS-5047 Shown

RS-4980 tip .17 x .10mm
 Material: Dumostar

RS-4982 tip .07 x .03mm
 Biologie
 Material: Dumostar

RS-5037 tip .07 x .03mm
 Biologie
 Material: Dumoxel

RS-5039 tip .07 x .03mm
 Material: Titanium

RS-5057 tip .17 x .10mm
 Material: Titanium

RS-5064 tip .17 x .10mm
 Biologie
 Material: Dumoxel





RS-4935

Pattern #7S short curve
length 117mm
Tip Profile

tip .07 x .03mm
Material: Stainless Steel



RS-5027

Pattern #N7
cross action
length 115mm

Tip Profile
tip .07 x .03mm
Material: INOX



RS-4940

Pattern #SS Long
narrow, delicate
length 135mm

Tip Profile
tip .10 x .06mm
Material: Stainless Steel



RS-4941

tip .10 x .06mm
45° angle
Material: Stainless Steel



RS-4950

Pattern #PP
heavy duty
length 135mm

Tip Profile
tip .10 x .06mm
Material: Stainless Steel



RS-4951

tip .10 x .06mm
45° Angle
Material: Stainless Steel

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RS-5068 McPHERSON
straight
smooth tying platform
tip 0.3 x 5mm
length 3¹/₂"



RS-5069 McPHERSON
angled
smooth tying platform
tip 0.4 x 7mm
length 4"



RS-5070 Micro Dissecting
straight
fine points
length 3¹/₄"



RS-5075 Micro Dissecting
cross action
fine points
length 3¹/₂"



RS-5079 Micro Dissecting
smooth jaws, angular
extra fine tips
length 3¹/₂"



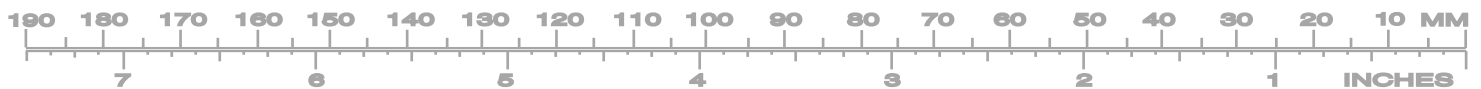
RS-5090 Micro Dissecting
straight
fine sharp points
length 4"



RS-5095 Micro Dissecting
angled
fine sharp points
length 4"



RS-5096 HARMS
micro suturing
straight with platform
tip width 0.6mm
length 4"





RS-5097

HARMs
micro suturing
curved with platform
tip width 0.6mm
length 4"



RS-5100

FOERSTER
straight
serrated tips
tip width 0.5mm
length 4"



RS-5101

FOERSTER
curved
serrated tips
tip width 0.5mm
length 4"



RS-5102

FOERSTER
straight
1x2 teeth
tip width 0.5mm
length 4"



RS-5110

GRAEFE
serrated, straight
tip width 0.6mm
length 2³/₄"



RS-5111

GRAEFE
serrated, curved
tip width 0.6mm
length 2³/₄"



RS-5112

GRAEFE
1x2 teeth, straight
tip width 0.6mm
length 2³/₄"

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RS-5113 GRAEFE
1x2 teeth, curved
tip width 0.6mm
length 2³/₄"

RS-5130 Micro Dissecting
serrated, straight
tip width 0.8mm
length 4"

RS-5132 Micro Dissecting
serrated, straight
extra delicate
tip width 0.5mm
length 4"

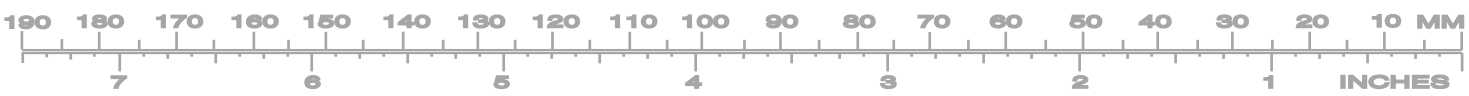
RS-5135 Micro Dissecting
serrated, slight curve
tip width 0.8mm
length 4"

RS-5136 Micro Dissecting
serrated, slight curve
extra delicate
tip width 0.5mm
length 4"

RS-5137 Micro Dissecting
serrated, full curve
tip width 0.8mm
length 4"

RS-5138 Micro Dissecting
serrated, full curve
extra delicate
tip width 0.5mm
length 4"

RS-5139 Micro Dissecting
serrated, angular
tip width 0.8mm
length 4"



**RS-5150**

Micro Dissecting
1x2 teeth, straight
tip width 0.8mm
length 4"

**RS-5152**

Micro Dissecting
1x2 teeth, straight
extra delicate
tip width 0.5mm
length 4"

**RS-5153**

Micro Dissecting
1x2 teeth, slight curve
tip width 0.8mm
length 4"

**RS-5155**

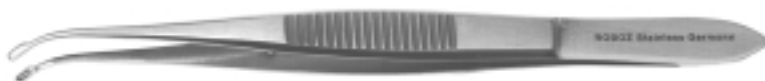
Micro Dissecting
1x2 teeth, slight curve
extra delicate
tip width 0.5mm
length 4"

**RS-5157**

Micro Dissecting
1x2 teeth, full curve
tip width 0.8mm
length 4"

**RS-5158**

Micro Dissecting
1x2 teeth, angular
tip width 0.8mm
length 4"

**RS-5163**

ARRUGA
micro embryonic
capsule, curved
length 4"

Please note: Handle in photo slightly different than actual instrument

**RS-5165**

GILL
slight curve
delicate cross serrations
tip width 0.6mm
length 3"



RS-5166 GILL
slight curve, 1x2 teeth
tip width 0.6mm
length 3"



RS-5168 BOTVIN
serrated tips
tip width 0.5mm
length 3"



RS-5170 BONN
with tying platform
1x2 teeth
0.12mm teeth
length 2³/₄"



RS-5172 BONN
with tying platform
1x2 teeth
0.12mm teeth
length 3³/₄"



RS-5174 McPHERSON
straight
with tying platform
1 x 2 teeth
0.2mm teeth
length 3¹/₂"



RS-5175 McPHERSON
angled
with tying platform
1 x 2 teeth
0.2mm teeth
length 3¹/₂"



RS-5180 BISHOP-HARMON
cross serrated
tip width 0.5mm
length 3¹/₄"



RS-5182 BISHOP-HARMON
1x2 teeth
0.3mm teeth
length 3¹/₄"





RS-5190 STEVENS
1 x 2 teeth
tip width 1mm
length 4"



RS-5204 McCULLOUGH
smooth jaws
tip width 1.5mm
length 4"



RS-5206 McCULLOUGH
cross serrated jaws
tip width 1.5mm
length 4"



RS-5210 BONNACOLTO
longitudinal serrations
cross serrated at tip
tip width 1.2mm
length 4"



RS-5211 BRACKEN
curved
fine cross serrations
length 4"



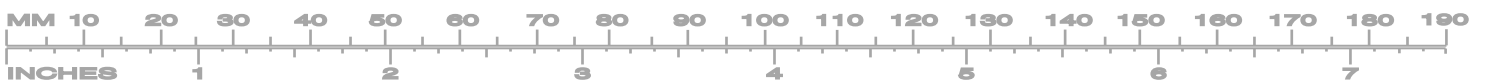
RS-5228 NUGENT
angular, smooth jaws
tip width 1.2mm
length 4^{1/4}"



RS-5230 Micro-ADSON
serrated, delicate
tip width 0.5mm
length 4^{3/4}"



RS-5231 BROWN ADSON
7x7 teeth
side grasping
length 4^{3/4}"



RS-5232 Micro-ADSON
 1 x 2 teeth, delicate
 tip width 0.5mm
 length 4³/₄"



RS-5233 ADSON
 length 4³/₄"
 1 x 2 teeth
 with serrations
 tip width 1mm



RS-5235 without serrations
 tip width 1mm

RS-5233 Shown

RS-5234 ADSON
 2 x 3 teeth
 tip width 1.3mm
 length 4³/₄"



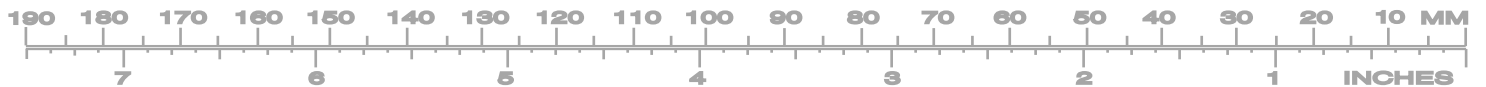
RS-5236 ADSON
 cross serrated
 carbide jaws
 length 4³/₄"



RS-5237 HUDSON (EWALD)
 serrated
 length 4³/₄"



RS-5238 HUDSON (EWALD)
 length 4³/₄"
 1 x 2 teeth





RS-5242 Shown

RS-5240

RS-5242

RS-5244

SEMKEN
length 5"
serrated
tip width 1.2mm
1x2 teeth
tip width 1.2mm
2x3 teeth
tip width 2mm



RS-5248 Shown

RS-5246

RS-5248

SEMKEN
tip width 1.6mm
length 6"
serrated
1 x 2 teeth



RS-5255

SINGLEY
heart holding forceps
length 6"



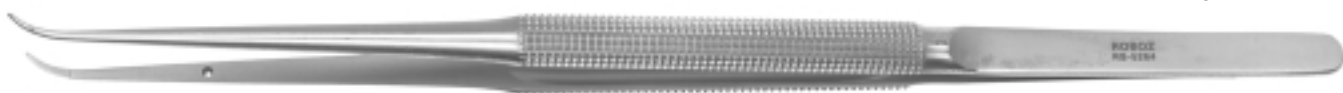
RS-5262 Shown

RS-5260

RS-5262

RHOTON
micro suturing
w/ tying platform
length 7"

tip width 0.7mm
tip width 0.3mm



RS-5264 Shown

RS-5263

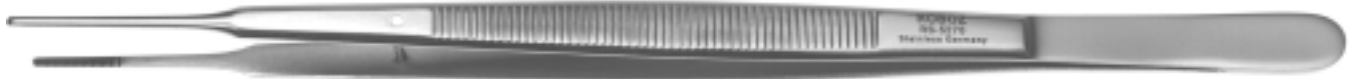
RS-5264

RHOTON
micro suturing
w/ tying platform
curved
length 5"
length 7"



GERALD
length 7"

- RS-5270 straight, serrated
- RS-5272 straight, 1 x 2 teeth



RS-5270 Shown

GERALD
length 7"

- RS-5271 curved, serrated
- RS-5273 curved, 1 x 2 teeth



RS-5270 Shown

CUSHING
scraper end
length 7"

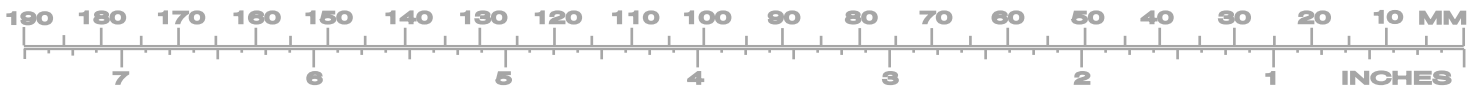
- RS-5280 serrated
- RS-5282 1 x 2 teeth



RS-5280 Shown

CUSHING
cross serrated
length 7"
carbide jaws

- RS-5284



RS-5310
RS-5312
RS-5314

SMITH
 serrated
 length 7"
 length 8¹/₄"
 length 9¹/₂"



RS-5310 Shown

RS-5320

POTTS-SMITH
 1 x 2 teeth
 serrated
 length 7"



RS-5320 Shown

RS-5348

Micro Alligator
 oval cup serrated jaws
 tip width 0.8mm
 jaw length 4mm
 shaft length 3¹/₄"



RS-5358
RS-5359

Micro Dissecting
 angled
 tip length 11mm
 length 6"
 serrated jaws
 smooth jaws



RS-5358 Shown



- Thumb Dressing
- RS-8100 length 4 1/2"
 - RS-8102 length 5"
 - RS-8104 length 5 1/2"
 - RS-8106 length 6"
 - RS-8108 length 8"
 - RS-8110 length 10"
 - RS-8112 length 12"



RS-8100 Shown

- Thumb Dressing delicate
- RS-8120 length 4 1/2"
 - RS-8122 length 5"
 - RS-8124 length 5 1/2"
 - RS-8126 length 6"



RS-8120 Shown

- RS-8140 Thumb Dressing length 3"



- BROWN
8 x 8 teeth
side grasping
- RS-8242 length 6"
 - RS-8243 length 8"
 - RS-8244 length 10"

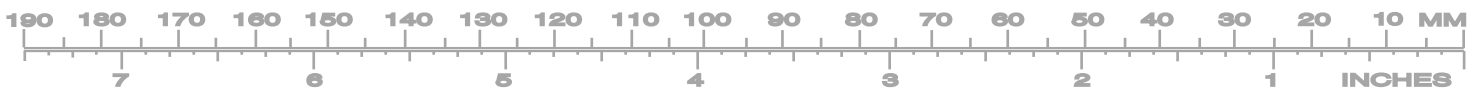


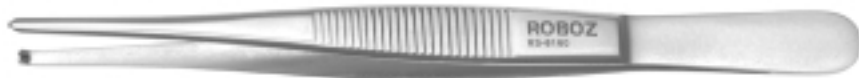
RS-8242 Shown

- Splinter Forceps
fine points
- RS-8150 length 3 1/2"
 - RS-8152 length 4"
 - RS-8154 length 4 1/2"



RS-8150 Shown





RS-8160 Shown

- RS-8160**
- RS-8162**
- RS-8164**
- RS-8166**

Tissue Forceps
 1 x 2 teeth
 length 4¹/₂"
 length 5"
 length 5¹/₂"
 length 6"



RS-8180 Shown

- RS-8180**
- RS-8182**
- RS-8184**
- RS-8186**

Tissue Forceps
 1 x 2 teeth
 delicate
 length 4¹/₂"
 length 5"
 length 5¹/₂"
 length 6"



RS-8208 Shown

- RS-8208**
- RS-8210**
- RS-8212**
- RS-8214**

Tissue Forceps
 2 x 3 teeth
 length 4¹/₂"
 length 5"
 length 5¹/₂"
 length 6"



RS-8220 Shown

- RS-8220**
- RS-8224**

Tissue Forceps
 3 x 4 teeth
 length 5"
 length 6"



RS-8240

STILLE
 4 x 5 teeth
 length 5"



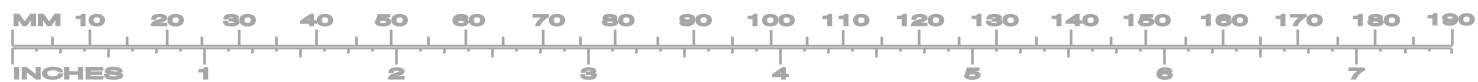
RS-8247

HARMON
 4 x 5 teeth
 jaw width 2.5mm
 length 3"



RS-8248

GRAEFE
 jaw width 4.5mm
 length 4¹/₄"



RS-8249 GRAEFE
locking
jaw width 4.5mm
fine teeth
length 4¹/₄"



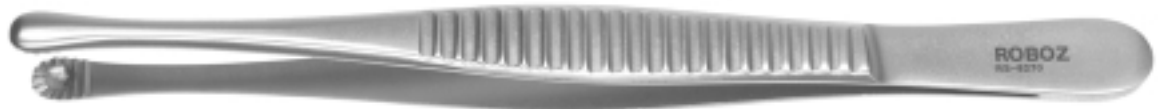
RS-8254 MOLONEY
serrated
slight curve
length 4¹/₂"



RS-8260 KUEHNE
flat jaw, angled
length 4"



RS-8270 RUSSIAN
length 6"

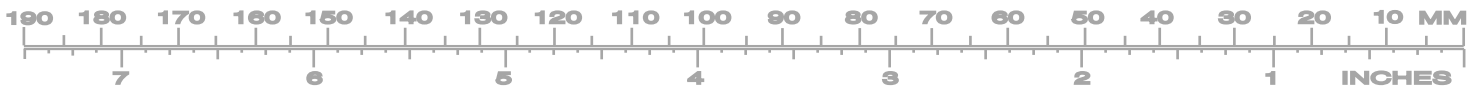


RS-8270 Shown

RS-8280 WILDE
serrated, angular
length 5"



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RS-8290

LUCAE
serrated, bayonet
length 5³/₄"



RS-8298

JANSEN
serrated, bayonet
length 7³/₄"



RS-7560

DeBAKEY
jaw width 2.5mm
length 6"

RS-7562

length 7³/₄"



RS-7560 Shown

RS-7561

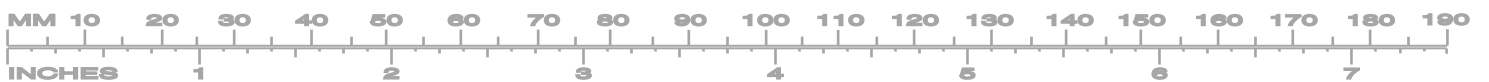
DeBAKEY
jaw width 1.5mm
length 6"

RS-7566

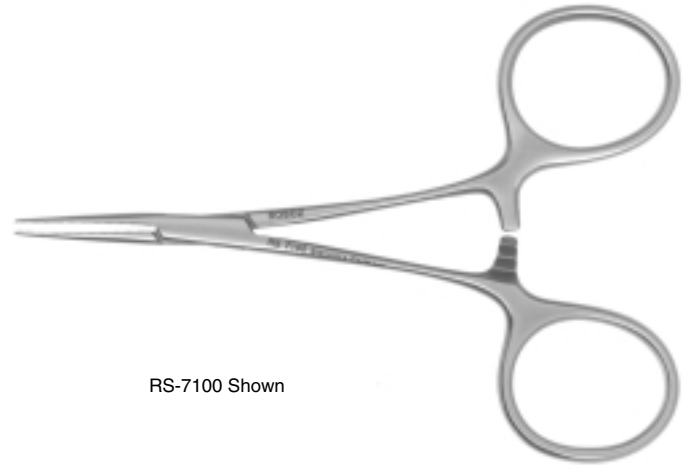
length 8"



RS-7561 Shown



RS-7100 HARTMAN
 mosquito
 length 3 1/2"
 straight
RS-7101 curved



RS-7100 Shown

RS-7110 HALSTED
 mosquito
 length 5"
 straight
RS-7110L left handed version
RS-7111 curved
RS-7111L left handed version

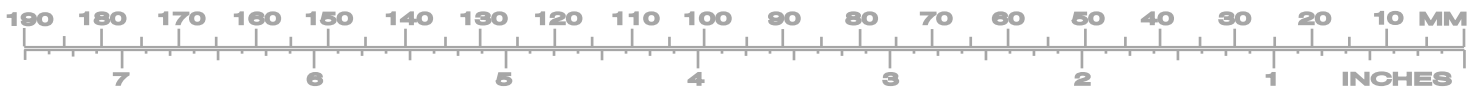


RS-7110 Shown

RS-7112 HALSTED
 mosquito
 extra delicate
 length 5"
 straight
RS-7113 curved

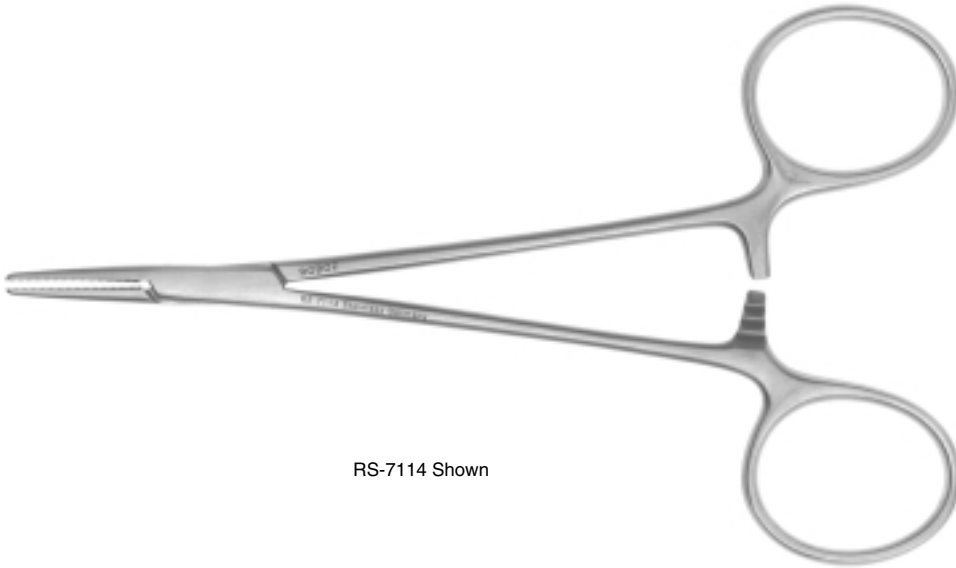


RS-7112 Shown



PACKER
mosquito
flat jaws
length 5"
straight
curved

RS-7114
RS-7115



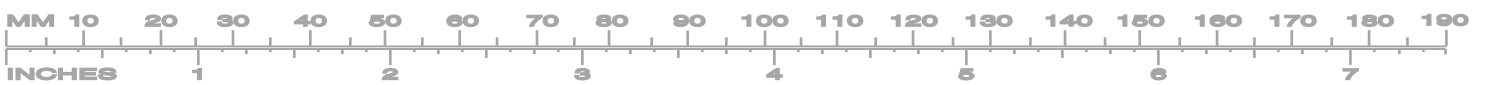
RS-7114 Shown

JACOBSON
micro mosquito
extra delicate
light weight
length 5"
straight
curved

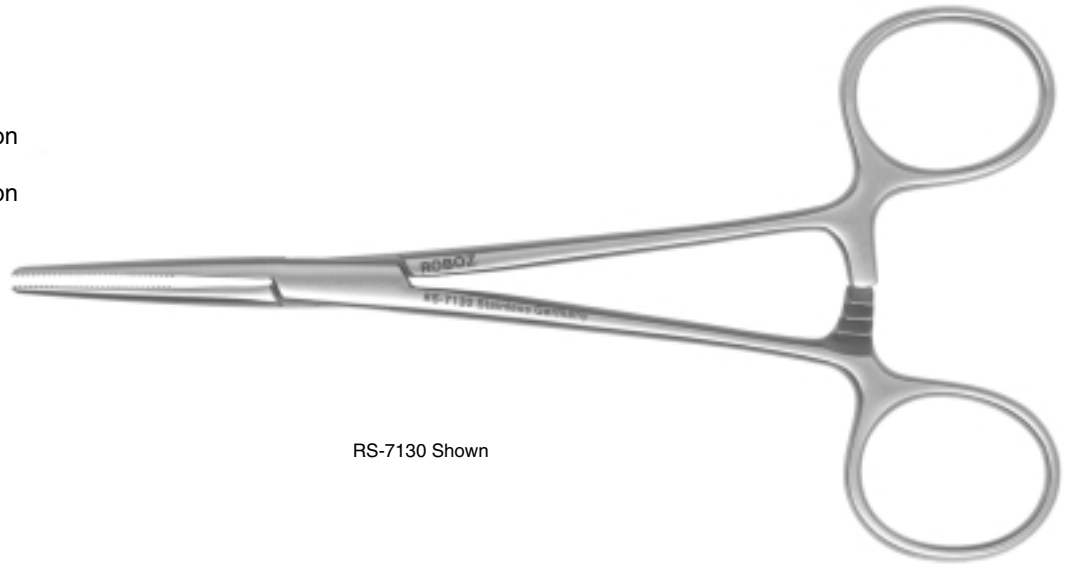
RS-7116
RS-7117



RS-7116 Shown

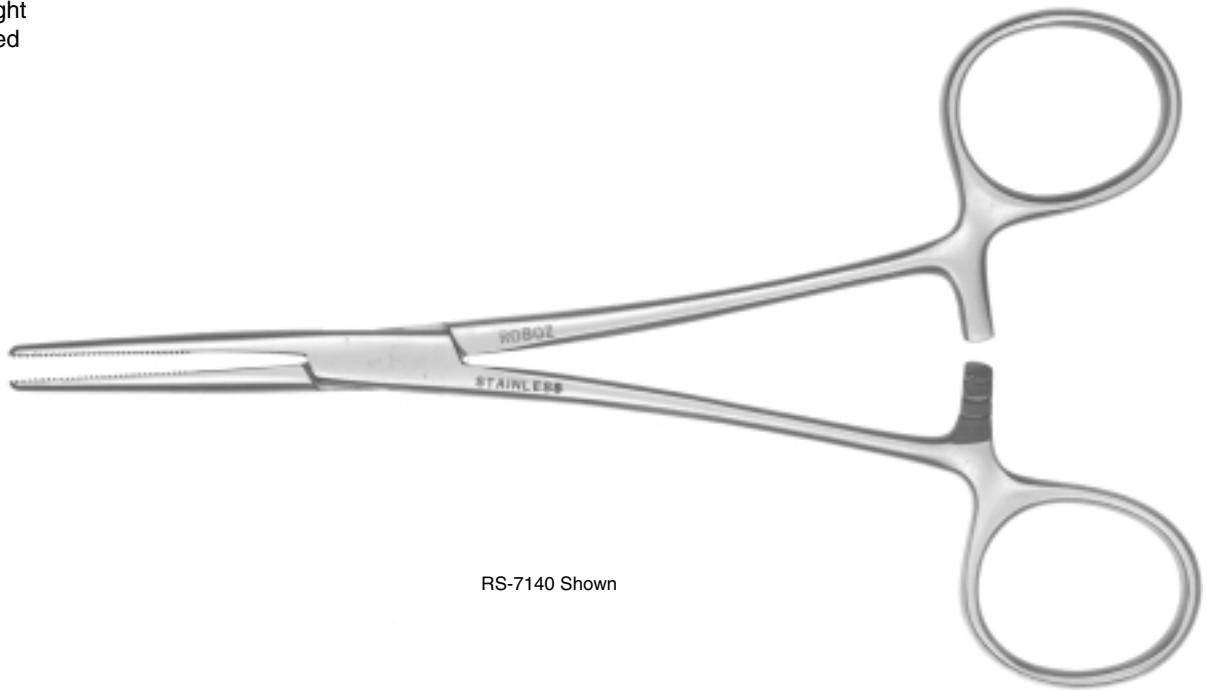


- RS-7130** KELLY
- RS-7130L** length 5¹/₂"
- RS-7131** straight
- RS-7131L** left handed version
- curved
- left handed version

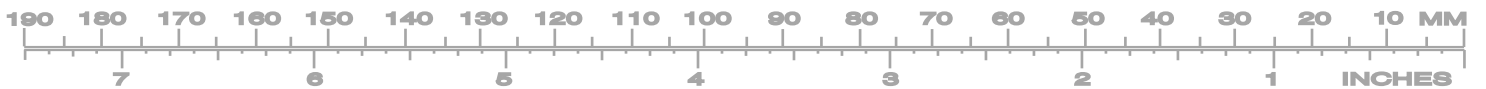


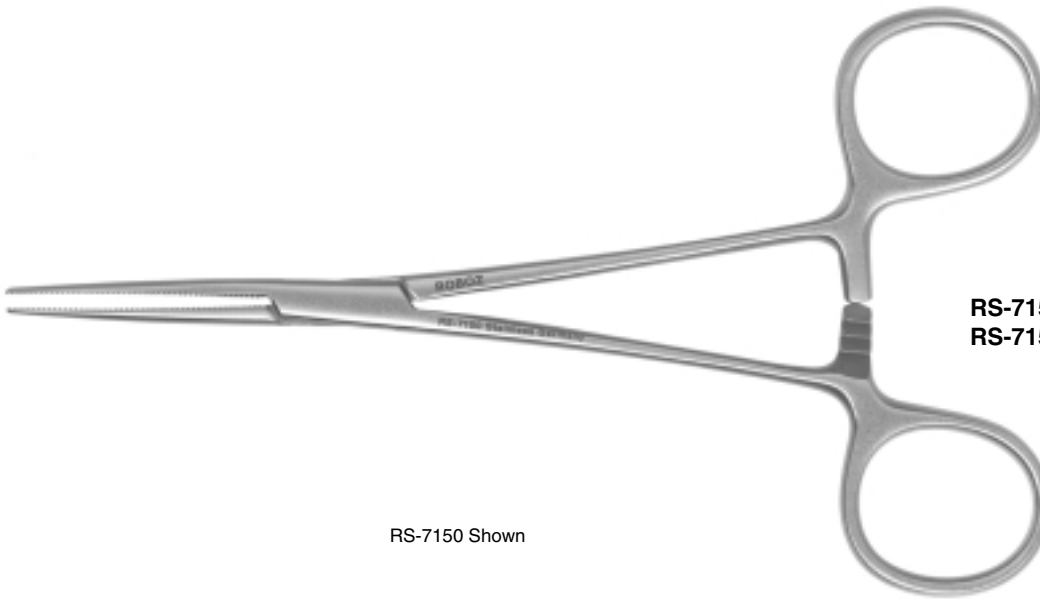
RS-7130 Shown

- RS-7140** RANKIN
- RS-7141** length 6¹/₄"
- straight
- curved



RS-7140 Shown

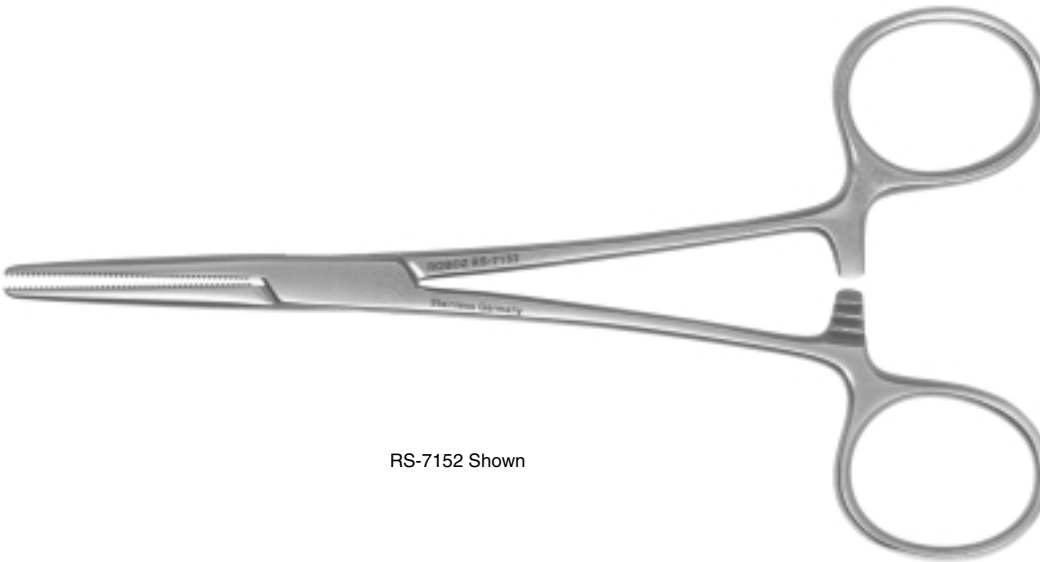




RS-7150 Shown

RS-7150
RS-7151

CRILE
extra delicate
length 5¹/₂"
straight
curved



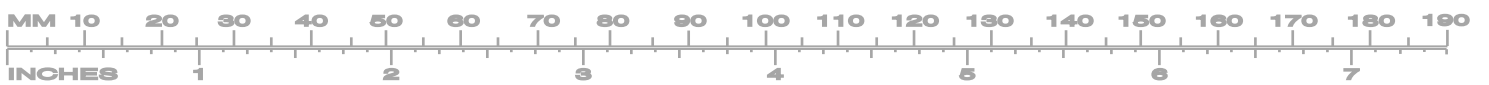
RS-7152 Shown

RS-7152

RS-7153

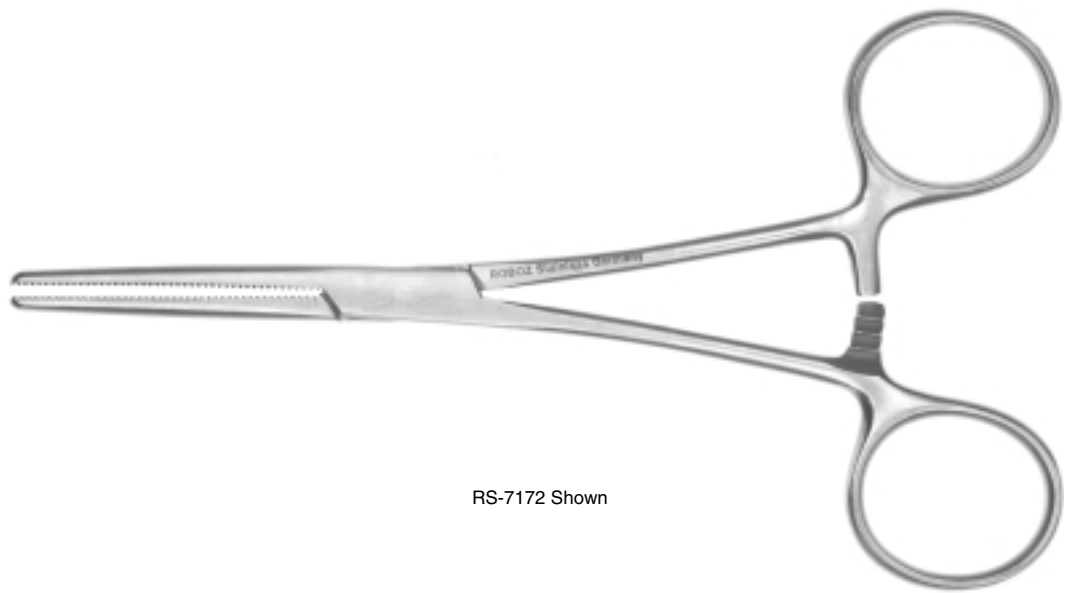
RS-7154

CRILE
straight
length 5¹/₂"
curved
length 5¹/₂"
straight
length 6¹/₄"



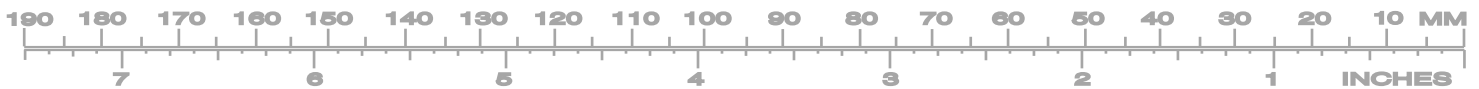
- ROCHESTER-PEAN
straight
- RS-7172 length 5¹/₂"
- RS-7174 length 6¹/₄"
- RS-7176 length 7¹/₄"
- RS-7182 length 10"

- ROCHESTER-PEAN
curved
- RS-7173 length 5¹/₂"
- RS-7175 length 6¹/₄"
- RS-7177 length 7¹/₄"
- RS-7183 length 10"



RS-7172 Shown

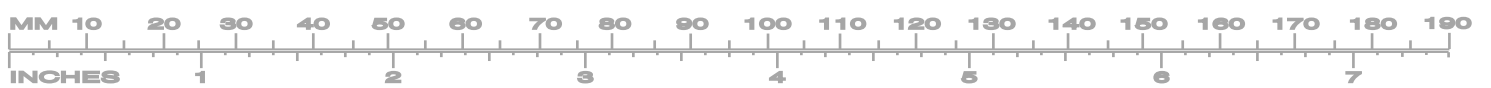
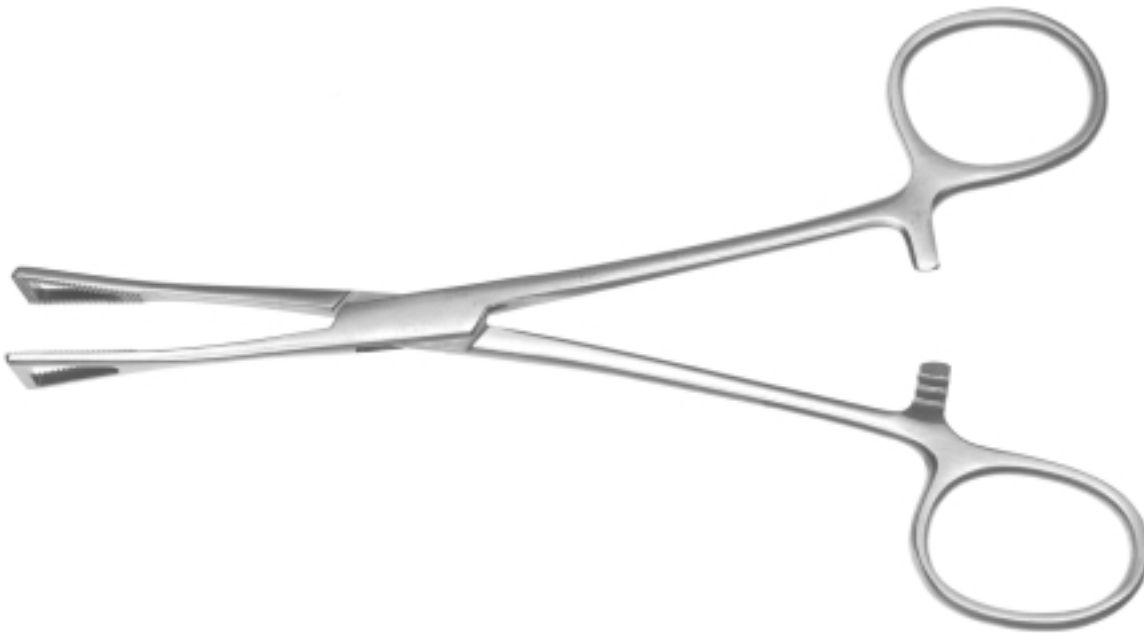
1-800-424-2984
www.roboz.com



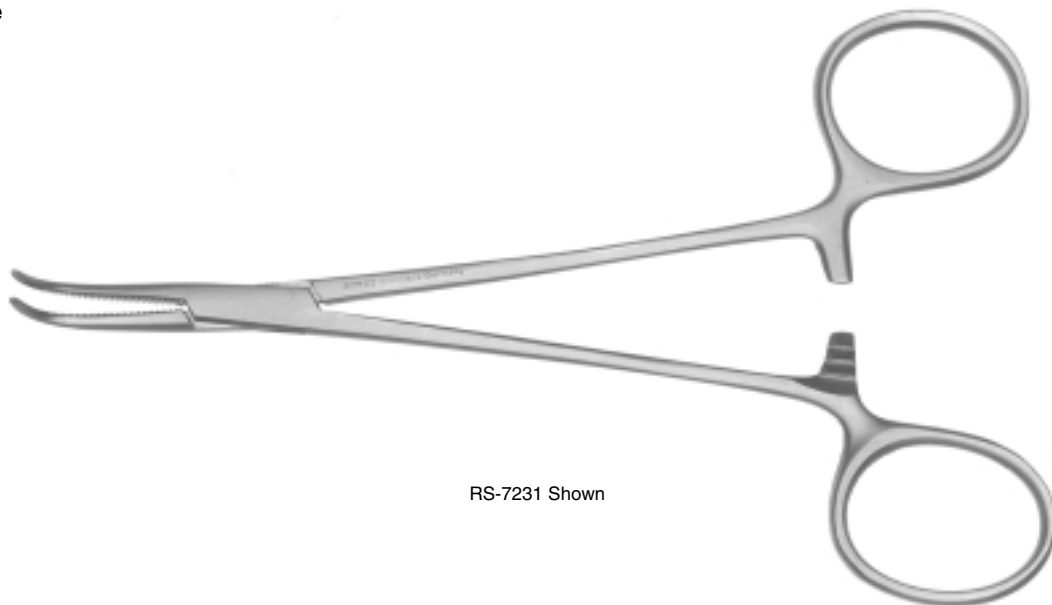
RS-7211

REYNOLDS
full-curve
length 5¹/₂"

RS-7220

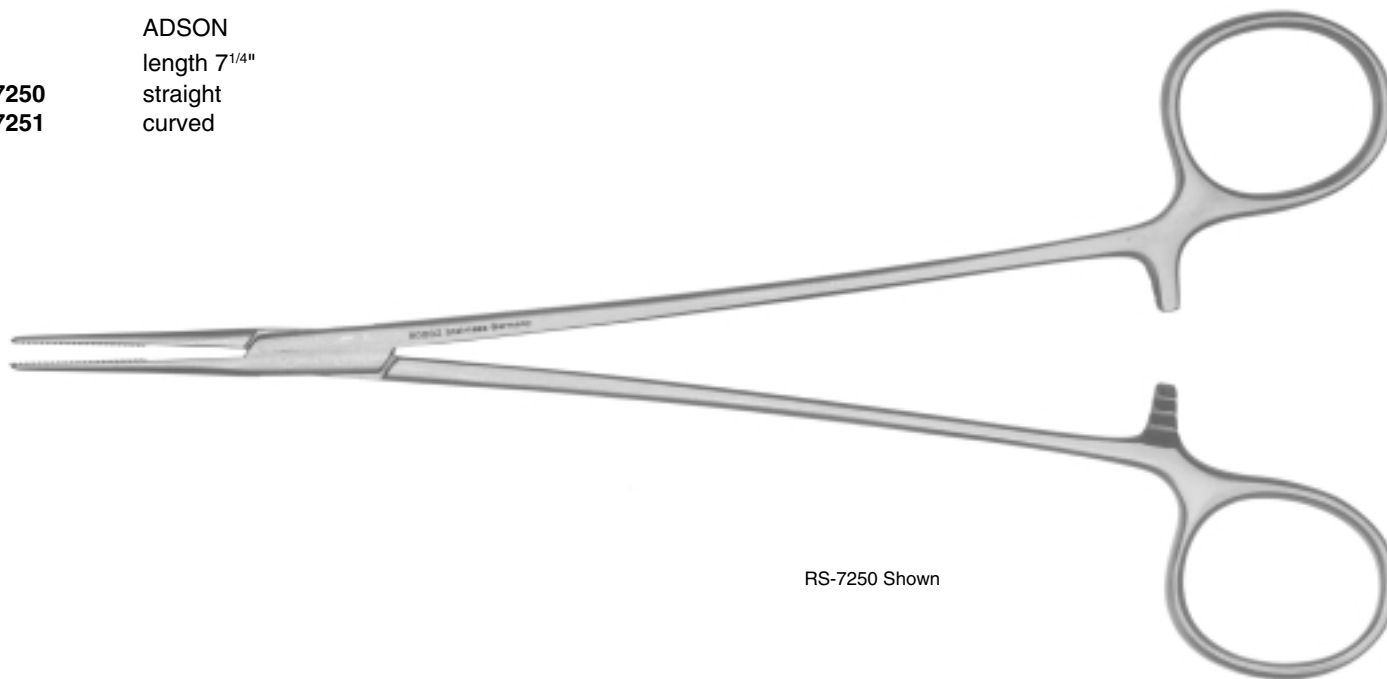
PENNINGTON
triangular jaws
length 6"

RS-7231 GEMINI-MIXTER
full curve, delicate
length 5 1/2"
RS-7233 length 7"



RS-7231 Shown

RS-7250 ADSON
length 7 1/4"
straight
RS-7251 curved

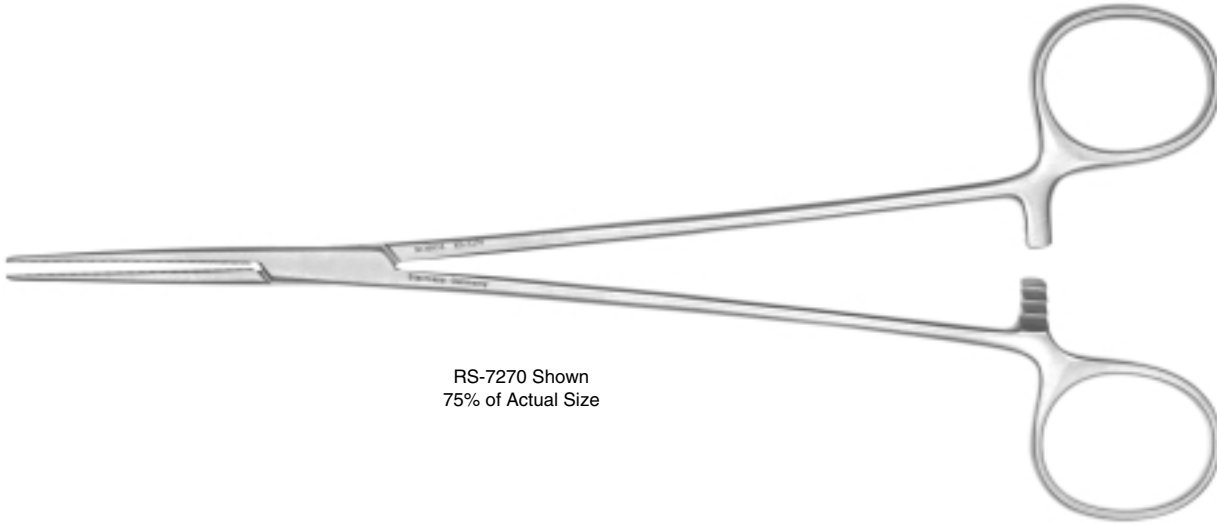


RS-7250 Shown

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	Mosquito
	delicate
	length 8 ^{1/4"}
RS-7270	straight
RS-7271	curved



RS-7270 Shown
75% of Actual Size

RS-7291	MIXTER
	curved, extra delicate
	length 5 ^{1/2"}

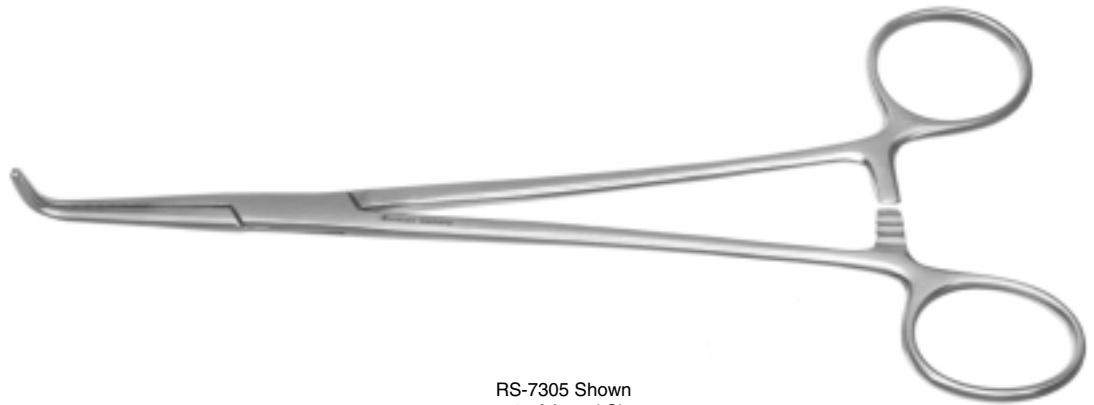


RS-7293
MIXTER
full curve
length 6¹/₄"



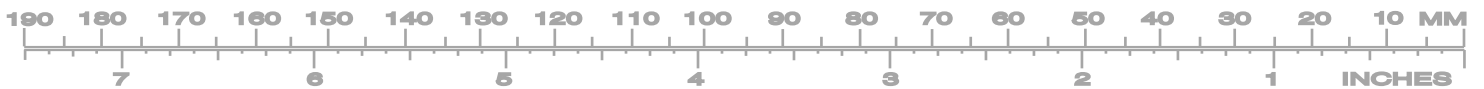
RS-7293 Shown

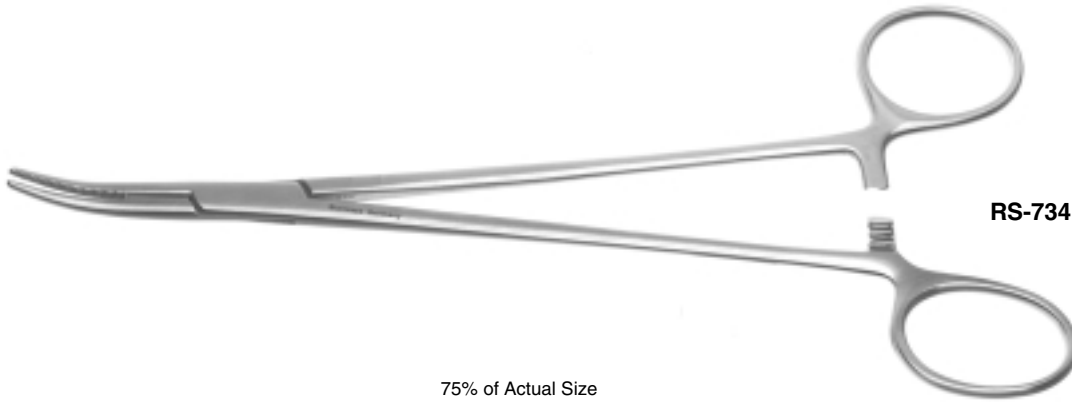
RS-7305
KANTROWITZ
delicate, 90° angle
length 7¹/₂"



RS-7305 Shown
75% of Actual Size

1-800-424-2984
www.roboz.com

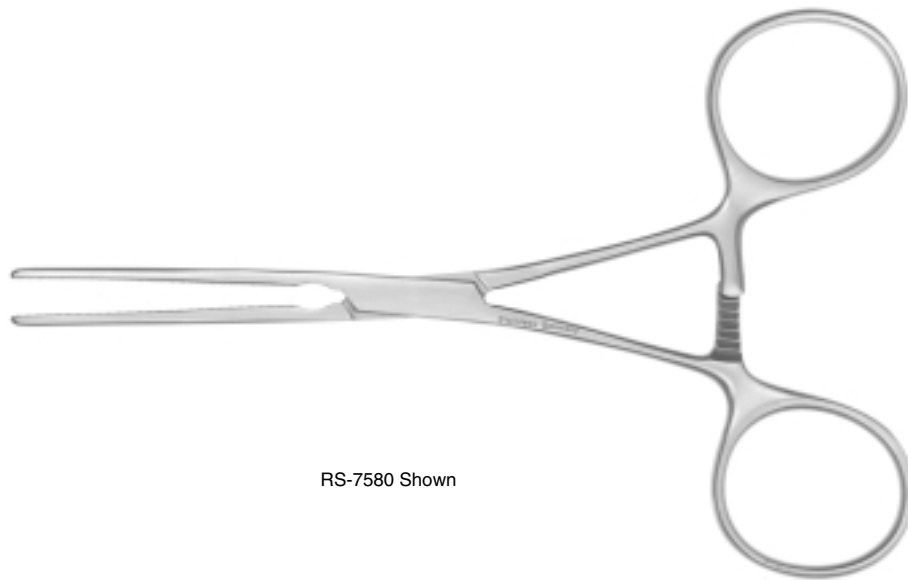




RS-7341

SCHNIDT
slight curve
length 7¹/₂"

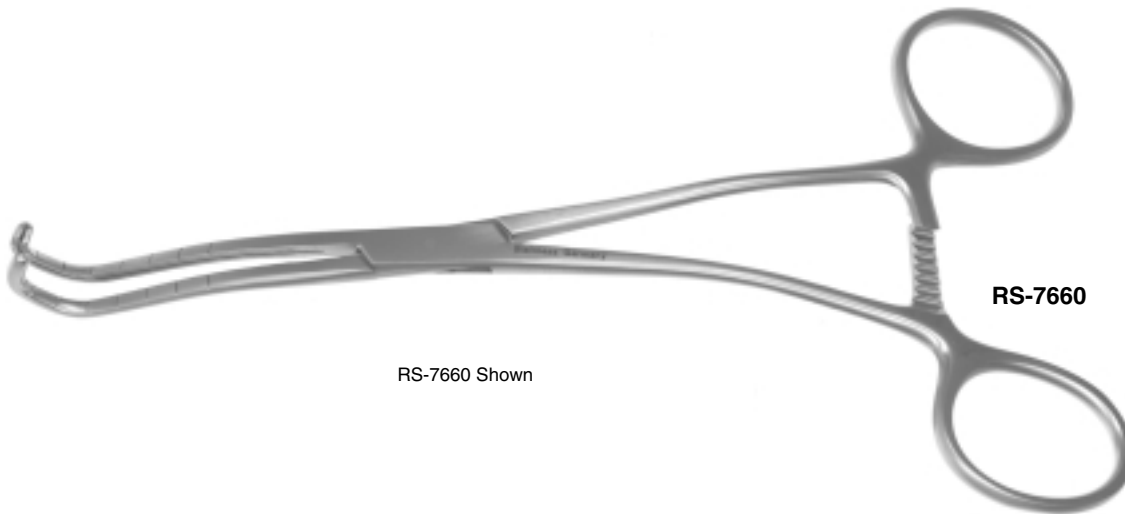
75% of Actual Size



RS-7580
RS-7581

DeBAKEY
bulldog clamps
ring handle
length 4³/₄"
straight
curved

RS-7580 Shown



RS-7660

COOLEY-DERRA
anastomosis clamp
5mm calibrations on jaws
length 6¹/₄"
small clamp

RS-7660 Shown



- RS-8000** ALLIS
4x5 teeth, delicate
jaw width 4mm
length 5^{1/2}"
- RS-8001** ALLIS
jaw width 2.5mm
length 5"



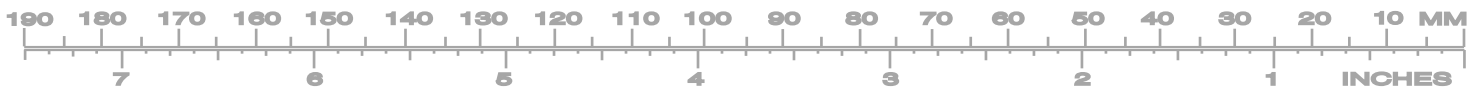
RS-8001 Shown

- RS-8002** ALLIS
4x5 teeth
length 6"
- RS-8004** ALLIS
5x6 teeth
length 6"



RS-8002 Shown

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www.roboz.com

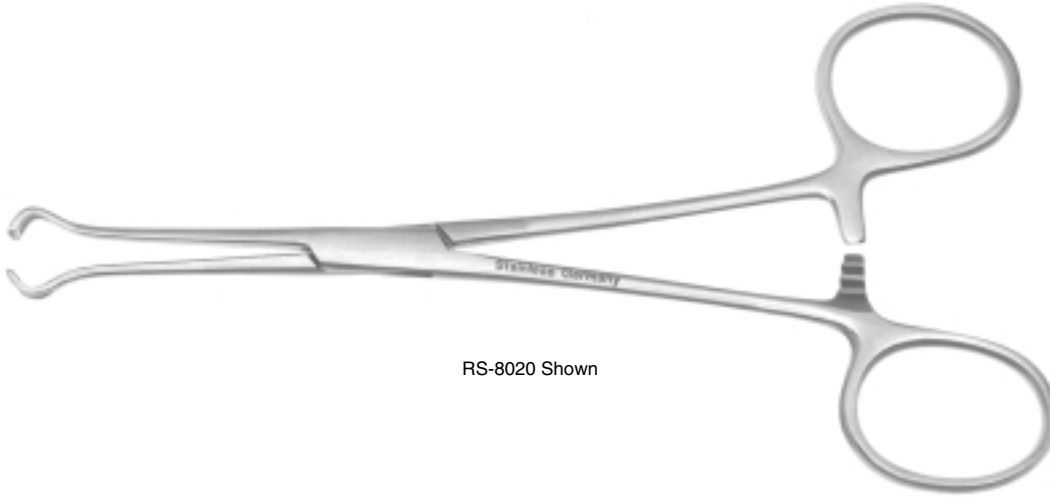


RS-8020

BABCOCK
jaw width 6mm
length 5 1/2"

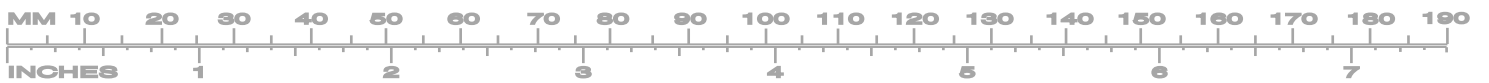
RS-8022

jaw width 9mm
length 6 1/4"



RS-8020 Shown

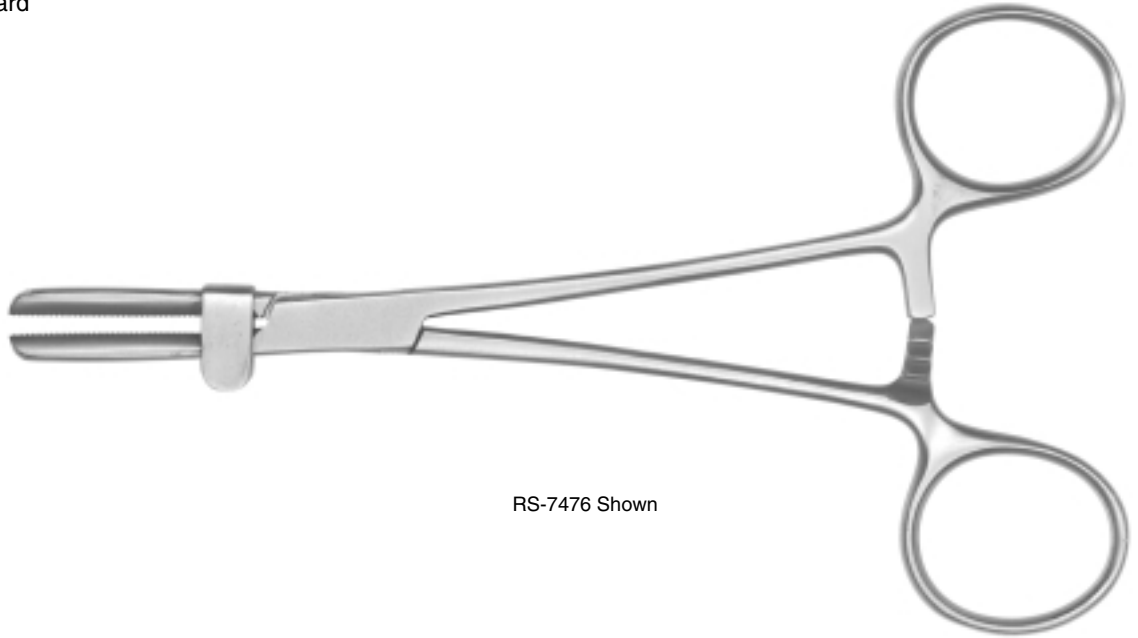
1-800-424-2984
www.roboz.com



ST. VINCENT
Tube Occluding Forceps
narrow jaws
straight, serrated
with lockguard

RS-7476
RS-7478

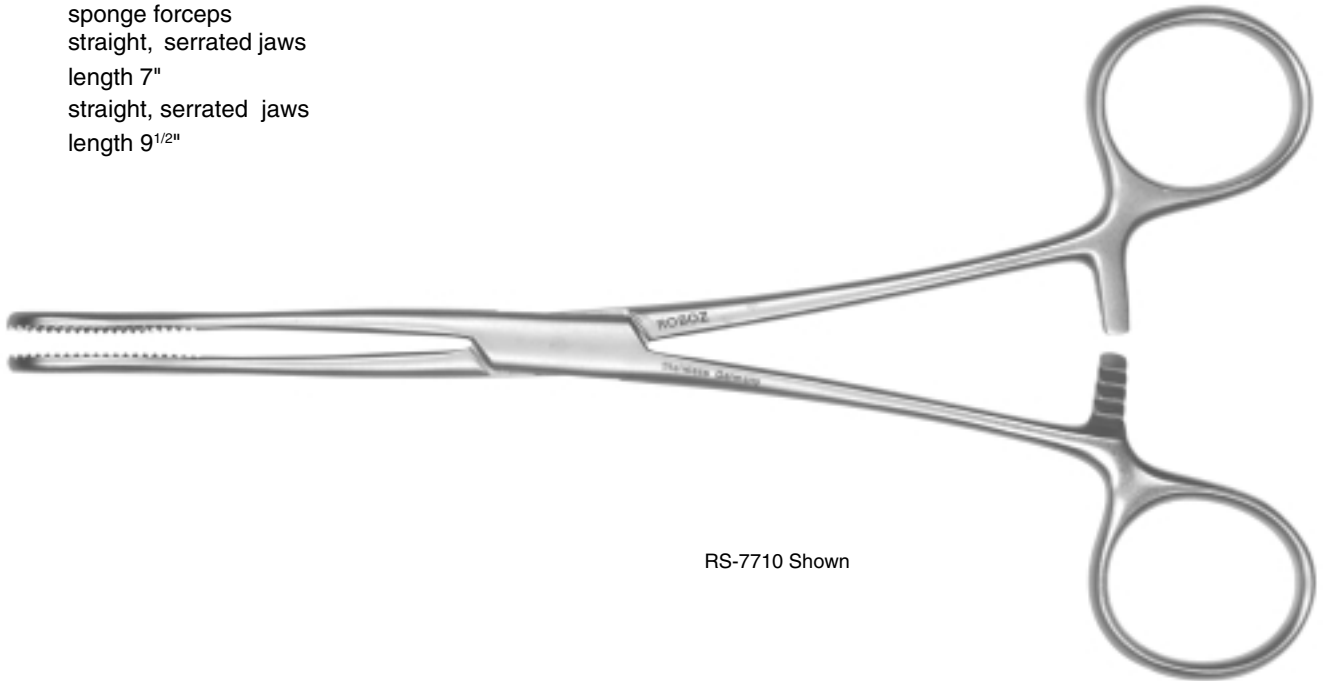
length 5³/₄"
length 7¹/₂"



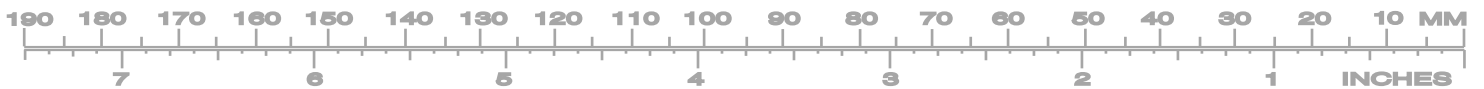
RS-7476 Shown

RS-7710
RS-7720

FOERSTER
sponge forceps
straight, serrated jaws
length 7"
straight, serrated jaws
length 9¹/₂"



RS-7710 Shown





65-7480 Shown

65-7480**65-7490**

Tube Occluding
Forceps
smooth jaws, straight
length 4¹/₂"
length 7"

65-7487

ST. VINCENT
tube occluding
forceps
smooth jaws, curved
length 6¹/₂"

