

Liston Bone Cutting Forceps Straight

Order #	Overall Length
ST1 72-8908	14.0 cm
ST1 72-8909	17.0 cm
ST1 72-8910	19.0 cm



Friedman Bone Rongeurs Curved

Order #	Jaw Length	Overall Length	Key Feature
ST1 72-8904	3.0 mm	13.5 cm	
ST1 72-8905	2.0 mm	14.0 cm	Delicate



Blumenthal Bone Rongeurs Curved

Order #	Jaw Length	Overall Length
ST1 72-8906	4.0 mm	14.5 cm



Blumenthal Bone Rongeurs 45° Angle

Order #	Jaw Length	Overall Length
ST1 72-8907	3.0 mm	15.0 cm



Round Knurled Chuck Handles, pkg. of 1

Order #	Diameter	Overall Length
ST1 56-5671	5.0 mm	7.5 cm
ST1 56-5655	5.0 mm	10.0 cm
ST1 56-5630	5.0 mm	13.0 cm

**Note: Use with Mini-Blade*, see below.*



Miniature Blade, pkg. of 24

Order #	Cutting Edge
ST1 56-5465	1.5 mm

**Note: Use with Chuck Handles, see above.*



Disposable Micro Scalpels without Handle, pkg. of 6

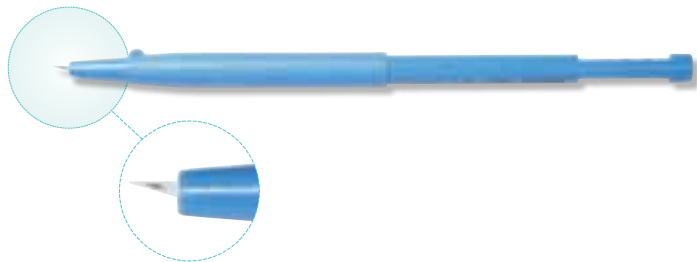
Order #	Blade Angle	Depth	Color
ST1 56-5754	15°	3.0 mm	Blue
ST1 56-5762	15°	5.0 mm	Green

**Note: Use with Chuck Handles, see above.*



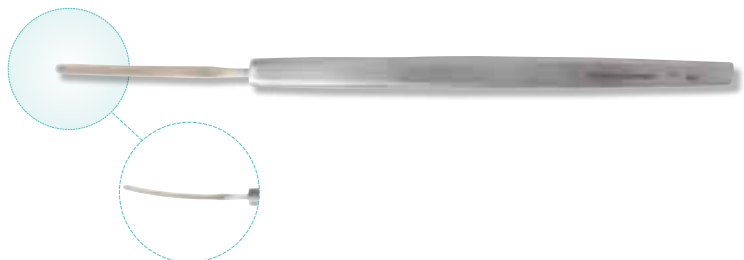
Disposable Micro Scalpels with Handle, pkg. of 6

Order #	Blade Angle	Depth	Color
ST1 56-5673	15°	3.0 mm	Blue
ST1 56-5657	15°	5.0 mm	Green
ST1 56-5624	45°	3.0 mm	Tan



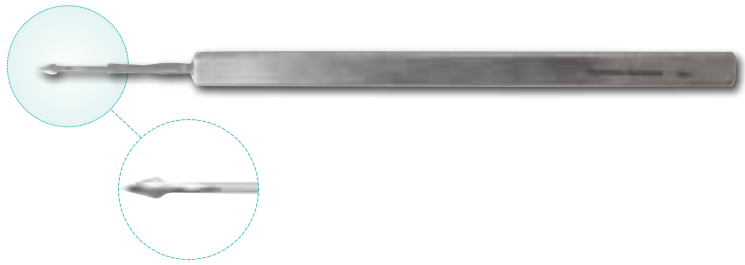
Wecker Micro Dissecting Spatula, pkg. of 1

Order #	Tip Width	Tip Thickness	Overall Length
ST1 52-2664	2.0 mm	0.3 mm	12.5 cm

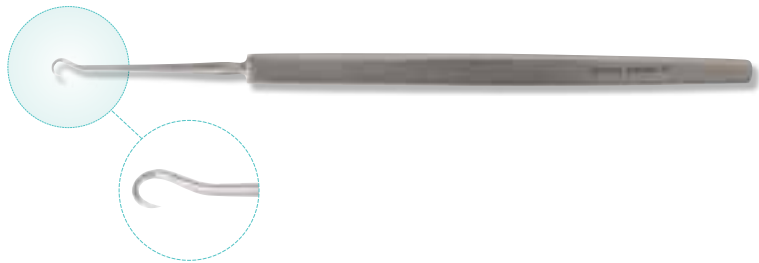


Bowman Knife, pkg. of 1

Order #	Blade Length	Overall Length	Key Feature
ST1 52-2730	3.0 mm	12.0 cm	Spear Point

**Frazier Micro Dissecting Hook, pkg. of 1**

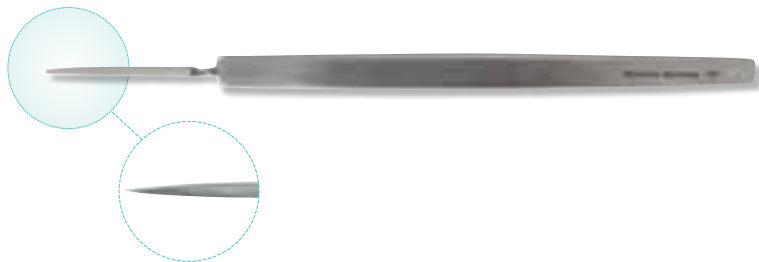
Order #	Loop Diameter	Overall Length	Key Feature
ST1 52-2706	2.0 mm	12.5 cm	Sharp
ST1 52-2714	2.0 mm	12.5 cm	Blunt

**Nugent Micro Dissecting Hook Angular Sharp, pkg. 1**

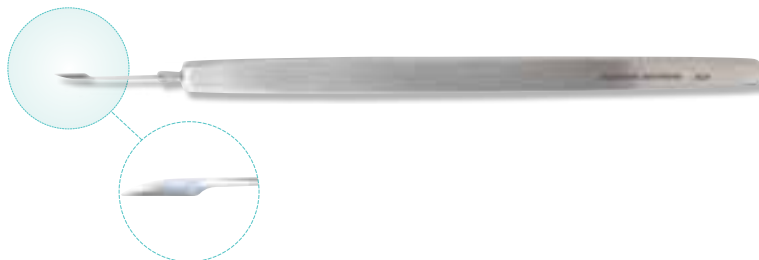
Order #	Overall Length	Key Feature
ST1 52-2722	12.5 cm	Angular, Sharp

**Graefe Micro Dissecting Knife, pkg. of 1**

Order #	Cutting Edge	Overall Length	Key Feature
ST1 60-3979	25.0 mm	12.0 cm	No. 1
ST1 60-3980	27.0 mm	12.0 cm	No. 2

**Ziegler Micro Dissecting Knife, pkg. of 1**

Order #	Cutting Edge	Overall Length	Key Feature
ST1 60-3975	3.0 mm	11.0 cm	No. 0
ST1 60-3976	5.0 mm	11.0 cm	No. 1
ST1 60-3978	7.0 mm	11.0 cm	No. 3



Sterile Scalpel Blades for use with No. 3 and No. 7 Handles

Order #	Product
ST1 72-8360	No. 10, Sterile, pkg. of 100
ST1 72-8362	No. 11, Sterile, pkg. of 100
ST1 72-8364	No. 12, Sterile, pkg. of 100
ST1 75-0086	No. 12d, Sterile, pkg. of 100
ST1 72-8366	No. 13, Sterile, pkg. of 100
ST1 72-8368	No. 15, Sterile, pkg. of 100
ST1 75-0087	No. 15c, Sterile, pkg. of 100



Disposable Scalpel with Plastic Handle

Order #	Product
ST1 72-8370	No. 10, Sterile, pkg. of 10
ST1 72-8372	No. 11, Sterile, pkg. of 10
ST1 72-8373	No. 12, Sterile, pkg. of 10
ST1 72-8374	No. 13, Sterile, pkg. of 10
ST1 72-8375	No. 15, Sterile, pkg. of 10



Scalpel Handle No. 3 Solid

Order #	Overall Length
ST1 72-8350	12.0 cm



Scalpel Handle No. 7 Solid

Order #	Overall Length
ST1 72-8354	16.5 cm



Sterile Scalpel Blades
for use with No. 4 Handles

Order #	Product
ST1 75-0088	No. 18, Sterile, pkg. of 100
ST1 75-0089	No. 19, Sterile, pkg. of 100
ST1 75-0090	No. 20, Sterile, pkg. of 100
ST1 75-0091	No. 21, Sterile, pkg. of 100
ST1 75-0092	No. 22 Sterile, pkg. of 100
ST1 75-0093	No. 23, Sterile, pkg. of 100
ST1 75-0094	No. 24, Sterile, pkg. of 100
ST1 75-0095	No. 25, Sterile, pkg. of 100
ST1 75-0096	No. 36, Sterile, pkg. of 100



Scalpel Handle
No. 4 Solid

Order #	Overall Length
ST1 72-8356	13.5 cm



Plastic Scalpel Handle
No. 4 Solid

Order #	Overall Length
ST1 810-112-04	13.5 cm



Scalpel Blade Remover

Order #
ST1 810-199-00



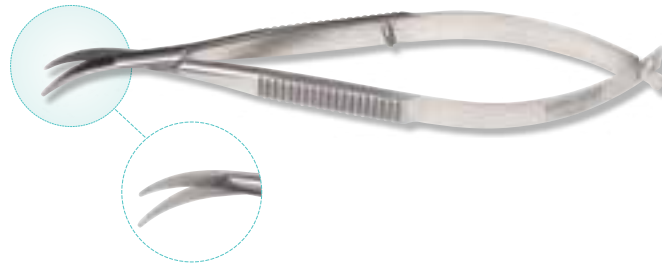
Castroviejo Spring Scissors Curved, Sharp/Sharp

Order #	Cutting Edge	Tip Width	Overall Length
ST1 72-8493	13.0 mm	0.8 mm	10.0 cm



Castroviejo Spring Scissors Curved, Blunt/Blunt

Order #	Cutting Edge	Tip Width	Overall Length
ST1 72-8494	13.0 mm	1.4 mm	10.0 cm



Castroviejo Spring Scissors Angled, Sharp/Sharp

Order #	Cutting Edge	Tip Width	Overall Length	Key Feature
ST1 72-8496	11.0 mm	1.4 mm	10.5 cm	Angled Left
ST1 72-8497	11.0 mm	1.4 mm	10.5 cm	Angled Right



Vannas Spring Scissors with Round Handles Straight, Sharp/Sharp

Order #	Cutting Edge	Tip Width	Overall Length
ST1 72-0143	8.0 mm	0.6 mm	12.0 cm



Vannas Spring Scissors Straight, Sharp/Sharp

Order #	Cutting Edge	Tip Width	Overall Length
ST1 72-8503	6.0 mm	0.5 mm	8.5 cm
ST1 72-8483	9.0 mm	0.6 mm	8.5 cm



Vannas Spring Scissors with Round Handles Curved, Sharp/Sharp

Order #	Cutting Edge	Tip Width	Overall Length
STI 72-0144	8.0 mm	0.6 mm	12.0 cm



Vannas Spring Scissors Curved, Sharp/Sharp

Order #	Cutting Edge	Tip Width	Overall Length
STI 72-8484	3.0 mm	0.4 mm	8.0 cm
STI 72-8504	6.0 mm	0.6 mm	8.0 cm



Vannas Spring Scissors Angled, Sharp/Sharp

Order #	Cutting Edge	Tip Width	Overall Length
STI 72-8485	4.0 mm	0.4 mm	8.0 cm
STI 72-8505	7.0 mm	0.4 mm	8.0 cm
STI 72-8506	4.0 mm	0.5 mm	8.0 cm
STI 72-8507	5.0 mm	0.7 mm	12.5 cm



Vannas Tübingen Spring Scissors Straight, Sharp/Sharp

Order #	Cutting Edge	Tip Width	Overall Length
STI 72-8508	10.0 mm	0.7 mm	8.5 cm

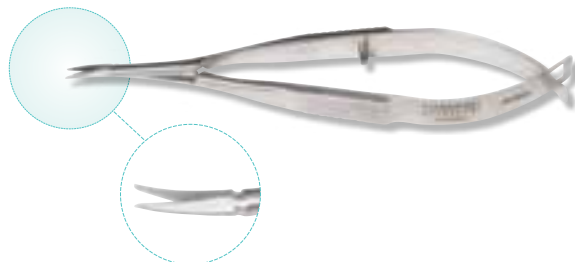
Note: The Tübingen model has a longer blade than the standard Vannas scissors.



Vannas Tübingen Spring Scissors Curved, Sharp/Sharp

Order #	Cutting Edge	Tip Width	Overall Length
STI 72-8509	8.0 mm	0.6 mm	8.0 cm

Note: The Tübingen model has a longer blade than the standard Vannas scissors.



Vannas Tübingen Spring Scissors Angled to Side, Sharp/Sharp

Order #	Cutting Edge	Tip Width	Overall Length
ST1 72-8510	8.0 mm	0.4 mm	8.0 cm

Note: The Tübingen model has a longer blade than the standard Vannas scissors.



Vannas Tübingen Spring Scissors Angled Up, Sharp/Sharp

Order #	Cutting Edge	Tip Width	Overall Length
ST1 72-8511	8.0 mm	0.4 mm	8.0 cm

Note: The Tübingen model has a longer blade than the standard Vannas scissors.



Troutman Spring Scissors Angled, Blunt/Blunt

Order #	Cutting Edge	Tip Width	Overall Length	Key Feature
ST1 72-8514	5.0 mm	0.5 mm	10.0 cm	Angled Left
ST1 72-8515	5.0 mm	0.5 mm	10.0 cm	Angled Right



Barraquer Spring Scissors Angled, Blunt/Blunt

Order #	Cutting Edge	Tip Width	Overall Length
ST1 72-8512	4.0 mm	0.5 mm	5.5 cm



Tungsten-Carbide Eye Scissors Straight, Sharp/Sharp

Order #	Blade Length	Overall Length
ST1 72-8480	24.0 mm	11.5 cm



Eye Scissors Straight, Sharp/Sharp

Order #	Blade Length	Overall Length	Key Feature
ST1 72-8438	28.0 mm	11.5 cm	Delicate



Eye Scissors Straight, Sharp/Sharp

Order #	Blade Length	Overall Length	Key Feature
ST1 72-8426	24.0 mm	10.5 cm	
ST1 72-8428	27.0 mm	11.5 cm	
ST1 75-0080	27.0 mm	11.5 cm	Left Handed
ST1 72-8430	32.0 mm	12.5 cm	



Eye Scissors Curved, Sharp/Sharp

Order #	Blade Length	Overall Length	Key Feature
ST1 72-8432	25.0 mm	10.5 cm	
ST1 72-8434	26.0 mm	11.5 cm	
ST1 75-0081	26.0 mm	11.5 cm	Left Handed
ST1 72-8436	32.0 mm	12.5 cm	



Eye Scissors Angled, Sharp/Sharp

Order #	Blade Length	Overall Length
ST1 72-8437	27.0 mm	11.5 cm



Special Cut Eye Scissors Straight, Sharp/Sharp

Order #	Blade Length	Overall Length
ST1 72-8440	24.0 mm	11.5 cm

Note: Our Special Cut Scissors are especially durable and delicate, signified by a black handle.



Special Cut Eye Scissors Curved, Sharp/Sharp

Order #	Blade Length	Overall Length
ST1 72-8441	24.0 mm	11.5 cm

Note: Our Special Cut Scissors are especially durable and delicate, signified by a black handle.



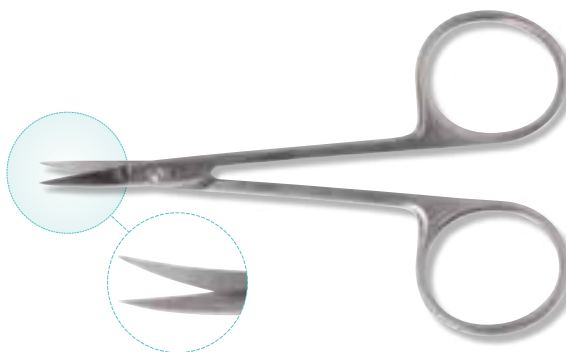
Extra Fine Bonn Eye Scissors Straight, Sharp/Sharp

Order #	Blade Length	Overall Length
ST1 72-8442	15.0 mm	9.0 cm



Extra Fine Bonn Eye Scissors Curved, Sharp/Sharp

Order #	Blade Length	Overall Length
ST1 72-8443	14.0 mm	9.0 cm



Operating Scissors Straight, Sharp/Sharp

Order #	Blade Length	Overall Length
ST1 72-8400	32.0 mm	10.5 cm
ST1 72-8402	44.0 mm	13.0 cm
ST1 72-8403	49.0 mm	14.5 cm
ST1 72-8405	55.0 mm	16.5 cm



Tungsten Carbide Operating Scissors Straight, Sharp/Sharp

Order #	Blade Length	Overall Length
ST1 72-8453	47.0 mm	14.0 cm



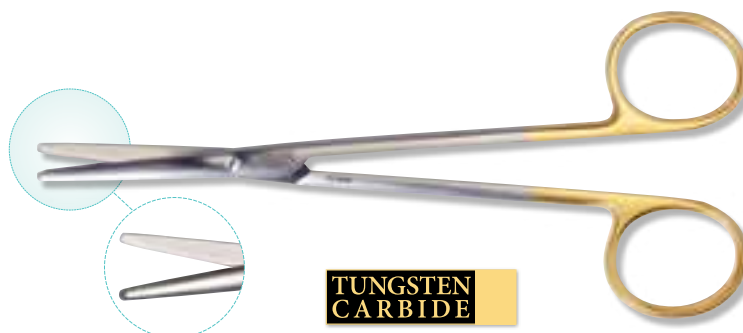
Operating Scissors Curved, Sharp/Sharp

Order #	Blade Length	Overall Length
ST1 72-8422	48.0 mm	14.5 cm
ST1 72-8424	55.0 mm	16.0 cm



Tungsten Carbide Metzenbaum Dissecting Scissors Straight, Blunt/Blunt

Order #	Blade Length	Overall Length
ST1 72-8481	29.0 mm	14.0 cm



Operating Scissors Straight, Blunt/Blunt

Order #	Blade Length	Overall Length
ST1 72-8379	32.0 mm	10.5 cm
ST1 72-8380	42.0 mm	12.0 cm
ST1 72-8384	46.0 mm	14.0 cm



UltraEdge Operating Scissors Straight, Blunt/Blunt

Order #	Blade Length	Overall Length
ST1 72-8383	48.0 mm	14.5 cm



Tungsten Carbide Mayo Operating Scissors Straight, Blunt/Blunt

Order #	Blade Length	Overall Length	Key Feature
ST1 72-8461	41.0 mm	14.5 cm	
ST1 72-8462	41.0 mm	14.5 cm	Left Handed
ST1 72-8463	51.0 mm	17.5 cm	
ST1 72-8464	51.0 mm	17.5 cm	Left Handed



Our technical support specialists are eager to assist you with product selection & questions, call today!

1-800-272-2775 & 508-893-8999

Tungsten Carbide Operating Scissors Straight, Blunt/Blunt

Order #	Blade Length	Overall Length
ST1 72-8456	47.0 mm	14.0 cm



**TUNGSTEN
CARBIDE**

Operating Scissors Curved, Blunt/Blunt

Order #	Blade Length	Overall Length
ST1 72-8409	47.0 mm	14.5 cm
ST1 72-8411	54.0 mm	16.5 cm



Tungsten Carbide Mayo Operating Scissors Curved, Blunt/Blunt

Order #	Blade Length	Overall Length	Key Feature
ST1 72-8466	41.0 mm	14.5 cm	
ST1 72-8467	41.0 mm	14.5 cm	Left Handed
ST1 72-8468	52.0 mm	17.0 cm	
ST1 72-8469	52.0 mm	17.0 cm	Left Handed



**TUNGSTEN
CARBIDE**

Operating Scissors Straight, Sharp/Blunt

Order #	Blade Length	Overall Length
ST1 72-8390	33.0 mm	10.5 cm
ST1 72-8392	43.0 mm	13.0 cm
ST1 72-8393	47.0 mm	14.0 cm
ST1 72-8395	52.0 mm	15.5 cm



UltraEdge Operating Scissors Straight, Sharp/Blunt

Order #	Blade Length	Overall Length
ST1 72-8394	49.0 mm	14.5 cm



Operating Scissors Curved, Sharp/Blunt

Order #	Blade Length	Overall Length
ST1 72-8415	45.0 mm	14.5 cm
ST1 72-8417	51.0 mm	16.5 cm



Lister Bandage Scissors Angled, Blunt/Blunt

Order #	Blade Length	Overall Length
ST1 72-8448	42.0 mm	17.0 cm



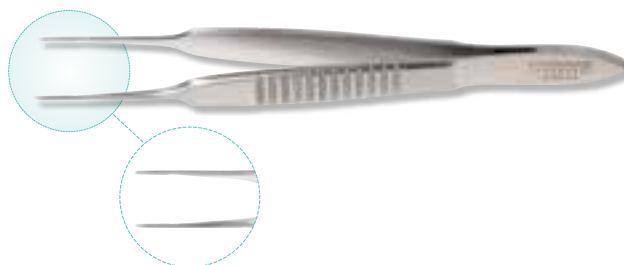
Universal Clothing Scissors Angled, Blunt/Blunt

Order #	Overall Length
ST1 72-8450	14.0 cm
ST1 72-8451	18.0 cm



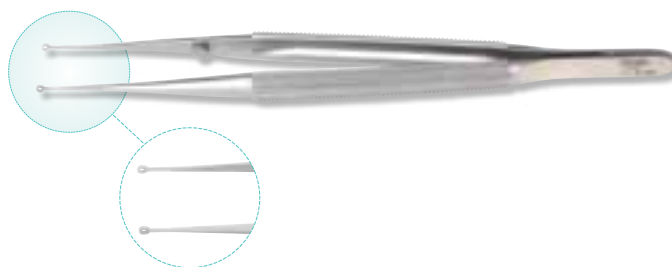
Micro Tweezer Straight, 1 x 2 Teeth

Order #	Tip Width	Overall Length	Key Feature
ST1 72-8715	0.5 mm	8.5 cm	Suture Platform



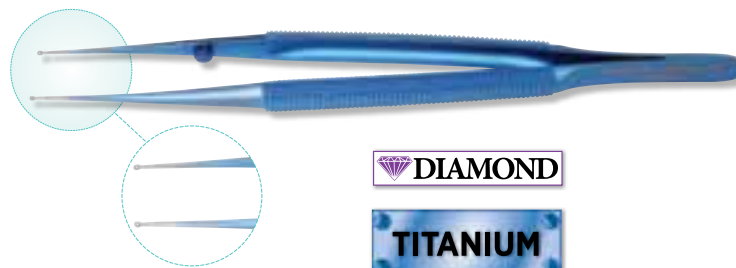
Micro Tweezer with Round Handle Straight, Smooth

Order #	Tip Width	Ring Dia.	Overall Length	Key Feature
ST1 72-8720	1.0 mm	2.0 mm	15.0 cm	Suture Platform & Ring



Diamond Coated Titanium Micro Tweezer with Round Handle Straight, Smooth

Order #	Tip Width	Ring Dia.	Overall Length	Key Feature
ST1 72-8718	1.0 mm	0.5 mm	15.0 cm	Suture Platform & Ring
ST1 72-8719	1.0 mm	0.5 mm	15.0 cm	Suture Platform & Ring
ST1 72-8722	2.0 mm	0.1 mm	15.0 cm	Suture Platform & Ring
ST1 72-8726	1.0 mm	0.5 mm	18.0 cm	Suture Platform & Ring



Diamond Coated Micro Tweezer with Round Handle Straight, Smooth

Order #	Tip Width	Ring Dia.	Overall Length	Key Feature
ST1 72-8717	1.0 mm	0.5 mm	15.0 cm	Suture Platform & Ring
ST1 72-8721	1.0 mm	0.2 mm	15.0 cm	Suture Platform & Ring
ST1 72-8725	1.0 mm	0.5 mm	15.0 cm	Suture Platform & Ring



Adson Tissue Forceps Straight, 1 x 2 Teeth

Order #	Tip Width	Overall Length	Key Feature
ST1 72-8547	0.1 mm	12.0 cm	
ST1 72-8548	0.1 mm	12.0 cm	Lightweight



Micro-Adson Tissue Forceps Straight, 1 x 2 Teeth

Order #	Tip Width	Overall Length	Key Feature
ST1 72-8555	0.8 mm	12.0 cm	No Finish
ST1 72-8556	0.7 mm	12.0 cm	Extra Delicate
ST1 72-8558	1.3 mm	15.0 cm	Extra Delicate



Micro-Adson Tissue Forceps Angled, 1 x 2 Teeth

Order #	Tip Width	Overall Length
ST1 72-8557	1.0 mm	11.5 cm



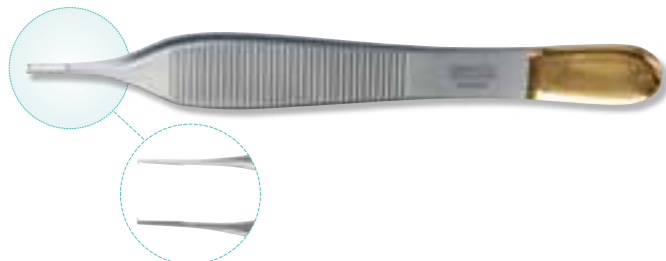
Extra Fine Micro-Adson-Biemer Tissue Forceps Straight, 1 x 2 Teeth

Order #	Tip Width	Overall Length	Key Feature
ST1 72-8575	1.0 mm	12.0 cm	Suture Platform



Adson Tissue Forceps Straight, 1 x 2 Teeth

Order #	Tip Width	Overall Length	Key Feature
ST1 72-8573	0.9 mm	12.0 cm	Suture Platform



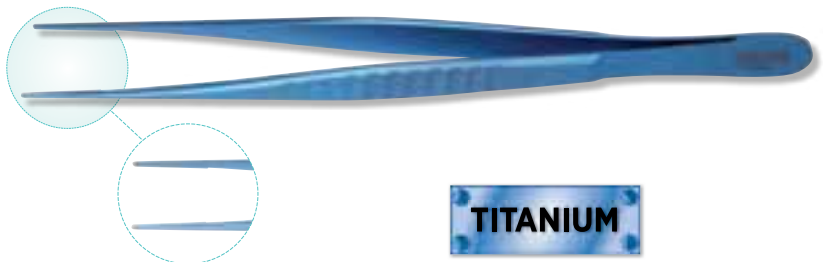
Adson Tissue Forceps Straight, 2 x 3 Teeth

Order #	Tip Width	Overall Length	Key Feature
ST1 72-8577	2.2 mm	12.0 cm	Light Weight



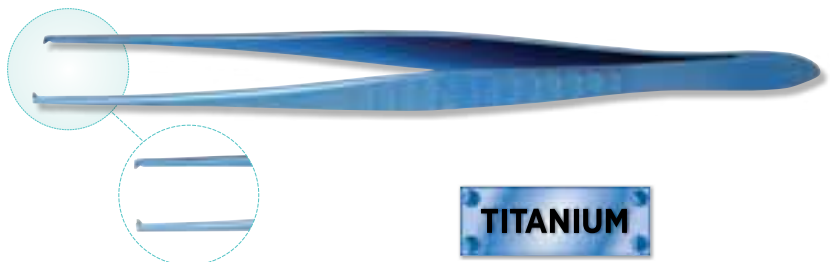
Titanium DeBakey Atraumatic Tissue Forceps Straight, Serrated

Order #	Tip Width	Overall Length
ST1 72-8782	1.0 mm	15.0 cm
ST1 72-8783	1.0 mm	20.0 cm
ST1 72-8784	1.0 mm	24.0 cm
ST1 72-8785	1.6 mm	15.0 cm
ST1 72-8786	1.6 mm	20.0 cm
ST1 72-8787	1.6 mm	24.5 cm
ST1 72-8788	1.8 mm	15.0 cm
ST1 72-8789	1.9 mm	20.0 cm
ST1 72-8790	1.8 mm	24.5 cm
ST1 72-8791	1.9 mm	15.0 cm
ST1 72-8792	2.0 mm	20.0 cm



Titanium Gillies Tissue Forceps with Round Handles Straight, 1 x 2 Teeth

Order #	Tip Width	Overall Length
ST1 72-8773	1.6 mm	15.0 cm



Graefe Iris Forceps Straight, Serrated

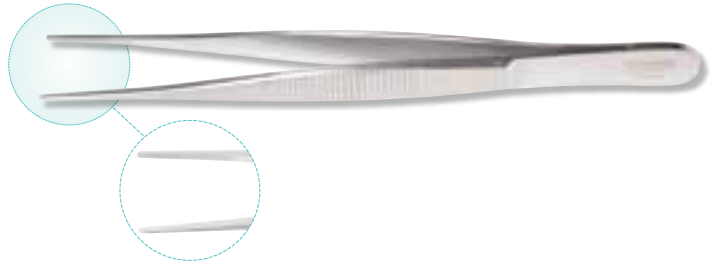
Order #	Tip Width	Overall Length	Key Feature
ST1 72-8590	0.7 mm	10.0 cm	
ST1 72-8591	1.0 mm	10.0 cm	Suture Platform
ST1 72-8593*	1.0 mm	10.0 cm	Non-Magnetic



**Note: These Non-Magnetic Forceps are made of German Stainless Steel #1.4301*

Iris Forceps Straight, Serrated

Order #	Tip Width	Overall Length
ST1 72-8595	1.0 mm	11.5 cm



Bishop-Harmon Iris Forceps Straight, Serrated

Order #	Tip Width	Overall Length
ST1 72-8649	1.3 mm	8.5 cm



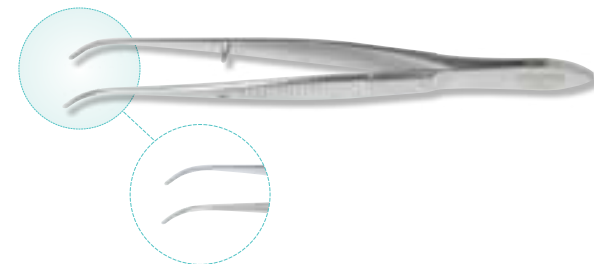
Bishop-Harmon Iris Forceps Straight, 1 x 2 Teeth

Order #	Tip Width	Overall Length
ST1 72-8650	1.3 mm	8.5 cm



Graefe Iris Forceps Curved, Serrated

Order #	Tip Width	Overall Length	Key Feature
ST1 72-8598	0.5 mm	7.0 cm	
ST1 72-8599	0.7 mm	7.0 cm	
ST1 72-8600	1.0 mm	7.0 cm	
ST1 72-8601	0.4 mm	9.5 cm	Suture Platform
ST1 72-8602	0.5 mm	9.5 cm	Suture Platform
ST1 72-8603	0.5 mm	7.0 cm	Slightly Curved
ST1 72-8604	0.7 mm	9.5 cm	
ST1 72-8605	0.8 mm	9.5 cm	Suture Platform



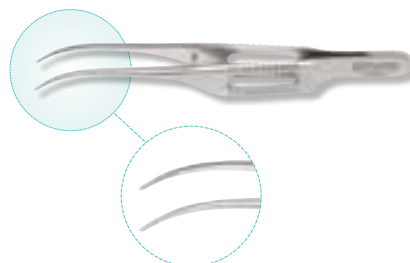
Graefe Iris Forceps Strongly Curved, Serrated

Order #	Tip Width	Overall Length	Key Feature
ST1 72-8611	0.5 mm	7.0 cm	
ST1 72-8612	0.7 mm	7.0 cm	
ST1 72-8614	0.4 mm	9.5 cm	
ST1 72-8615	0.5 mm	19.5 cm	Suture Platform



Gill Iris Forceps Curved, Serrated

Order #	Tip Width	Overall Length
ST1 72-8653	0.7 mm	7.5 cm



Gill Iris Forceps Curved, 1 x 2 Teeth

Order #	Tip Width	Overall Length
ST1 72-8654	0.5 mm	7.5 cm



Nevyas Capsulorhexis Forceps with Very Delicate Grasping Tips Angled, Smooth

Order #	Tip Width	Overall Length	Key Feature
ST1 72-8658	0.3 mm	10.0 cm	Long Shanks



Troutman Suture Forceps Double Angled, 1 x 2 Teeth

Order #	Tip Width	Overall Length
ST1 72-8660	0.7 mm	7.5 cm



Castroviejo Suture Forceps Straight, 1 x 2 Teeth

Order #	Tip Width	Overall Length	Key Feature
ST1 72-8662	0.5 mm	11.0 cm	
ST1 72-8663	0.5 mm	10.0 cm	Suture Platform
ST1 72-8664	0.6 mm	10.0 cm	Suture Platform
ST1 72-8665	1.0 mm	10.0 cm	Suture Platform



Castroviejo Suture Forceps Angled, 1 x 2 Teeth

Order #	Tip Width	Overall Length	Key Feature
ST1 72-8669	0.5 mm	9.5 cm	
ST1 72-8670	0.8 mm	10.5 cm	Suture Platform
ST1 72-8671	1.0 mm	10.5 cm	Suture Platform



Kuehne Cover Glass Forceps Angled, Smooth

Order #	Tip Width	Overall Length
ST1 72-8676	5.7 mm	10.0 cm



Jewelers Forceps with Extra Delicate Tips Straight, Smooth

Order #	Tip Width	Overall Length	Style	Key Feature
ST1 72-8689	0.5 mm	10.5 cm	No. 1	
ST1 72-8690	0.4 mm	10.5 cm	No. 2	
ST1 72-8691	0.3 mm	12.0 cm	No. 3	
ST1 72-8692	0.5 mm	11.0 cm	No. 4	
ST1 72-8693	0.3 mm	10.5 cm	No. 4	
ST1 72-8694	0.5 mm	10.5 cm	No. 4	Lightweight, 3 Holes
ST1 72-8696	0.5 mm	10.5 cm	No. 5	
ST1 72-8698*	0.4 mm	10.5 cm	No. 5	Non-Magnetic
ST1 72-8700	0.5 mm	11.5 cm	No. 7	

**Note: These Non-Magnetic Forceps are made of German Stainless Steel #1.4301.*



Jewelers Forceps Straight, Smooth

Order #	Tip Width	Overall Length	Style	Key Feature
ST1 72-8678	0.5 mm	11.5 cm	No. 1	
ST1 72-8679*	0.5 mm	11.5 cm	No. 1	Non-Magnetic
ST1 72-8680	0.6 mm	12.0 cm	No. 2	
ST1 72-8681	0.6 mm	11.5 cm	No. 3	
ST1 72-8682	0.6 mm	10.5 cm	No. 4	
ST1 72-8683*	0.4 mm	10.5 cm	No. 4	Non-Magnetic
ST1 72-8684	0.4 mm	10.5 cm	No. 5	
ST1 72-8687	0.6 mm	11.0 cm	No. 3c	



Jewelers Forceps with Extra Delicate Tips Curved, Smooth

Order #	Tip Width	Overall Length	Style
ST1 72-8701	0.5 mm	11.5 cm	No. 7



Jewelers Forceps with Extra Delicate Tips Curved, 1 x 2 Teeth

Order #	Tip Width	Overall Length	Style
ST1 72-8714	1.0 mm	11.5 cm	No. 7



Jewelers Forceps Curved, Smooth

Order #	Tip Width	Overall Length	Style
ST1 72-8685	0.8 mm	11.0 cm	No. 7



Jewelers Forceps Angled, Smooth

Order #	Tip Width	Overall Length	Style	Key Feature
ST1 72-8699	0.5 mm	11.0 cm	No. 6	Extra Delicate Tips
ST1 72-8686	0.4 mm	11.5 cm	No. 1	
ST1 72-8688	0.4 mm	10.5 cm	No. 5	



Gerald Dressing Forceps Straight, Serrated

Order #	Tip Width	Overall Length
ST1 72-0141	1.1 mm	17.5 cm



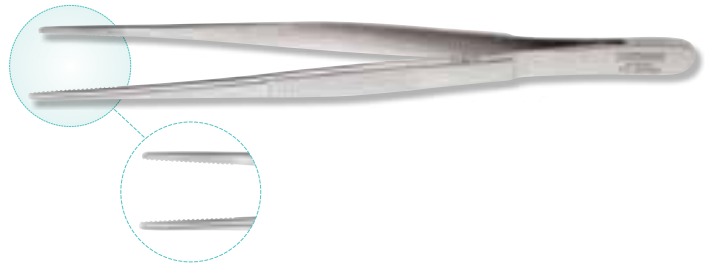
Gerald Dressing Forceps Curved, Serrated

Order #	Tip Width	Overall Length
ST1 72-0142	1.2 mm	17.5 cm



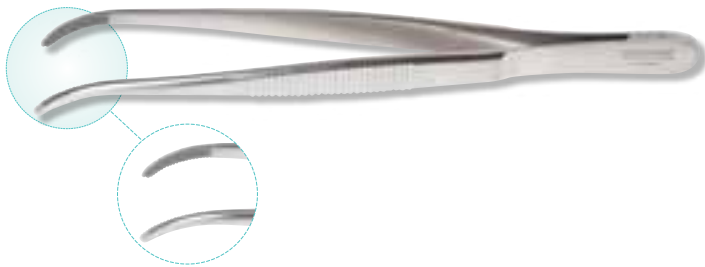
Dressing Forceps Straight, Serrated

Order #	Tip Width	Overall Length
ST1 72-8949	1.8 mm	13.0 cm
ST1 72-8950	2.2 mm	14.0 cm



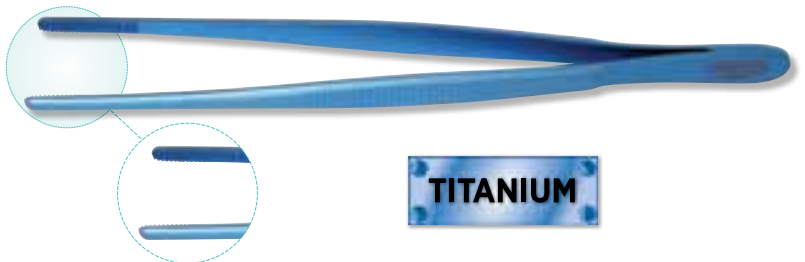
Dressing Forceps Curved, Serrated

Order #	Tip Width	Overall Length
ST1 72-8951	1.3 mm	8.5 cm
ST1 72-8952	1.7 mm	10.0 cm
ST1 72-8945	2.3 mm	11.5 cm
ST1 72-8946	1.2 mm	12.5 cm
ST1 72-8947	3.5 mm	14.0 cm
ST1 72-8948	2.7 mm	14.0 cm



Titanium Dressing Forceps Straight, Serrated

Order #	Tip Width	Overall Length
ST1 72-8760	3.5 mm	14.0 cm
ST1 72-8761	3.5 mm	18.0 cm
ST1 72-8763	2.0 mm	18.0 cm
ST1 72-8762	3.7 mm	24.0 cm



Titanium Dressing Forceps Straight, Smooth

Order #	Tip Width	Overall Length
ST1 72-8764	1.8 mm	18.0 cm



Micro Forceps Straight, Smooth

Order #	Tip Width	Overall Length	Key Feature
ST1 72-0442	0.8 mm	17.5 cm	Suture Platform
ST1 72-0441	0.7 mm	18.0 cm	Suture Platform and Handle



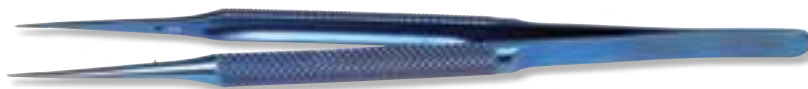
Micro Forceps Curved, Smooth

Order #	Tip Width	Overall Length	Key Feature
ST1 72-0445	0.4 mm	12.0 cm	Suture Platform and Handle
ST1 72-0443	0.6 mm	17.5 cm	Suture Platform
ST1 72-0444	0.4 mm	18.0 cm	Suture Platform



Titanium Micro Forceps with Round Handle Straight, Smooth

Order #	Tip Width	Overall Length	Key Feature
ST1 72-8768	0.5 mm	15.0 cm	Suture Platform
ST1 72-8769	0.5 mm	18.0 cm	Suture Platform



TITANIUM

Titanium Micro Forceps with Round Handle Curved, Smooth

Order #	Tip Width	Overall Length	Key Feature
ST1 72-8770	0.5 mm	15.0 cm	Suture Platform
ST1 72-8771	0.5 mm	18.0 cm	Suture Platform



TITANIUM

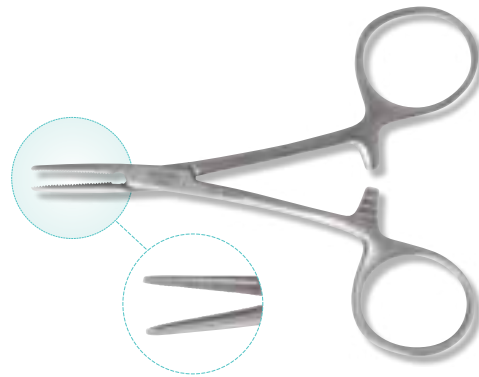
Hartmann Hemostatic Forceps Straight, Smooth

Order #	Tip Width	Overall Length
ST1 72-8953	1.5 mm	9.5 cm
ST1 72-8954	1.4 mm	12.5 cm
ST1 72-8959	1.7 mm	10.0 cm



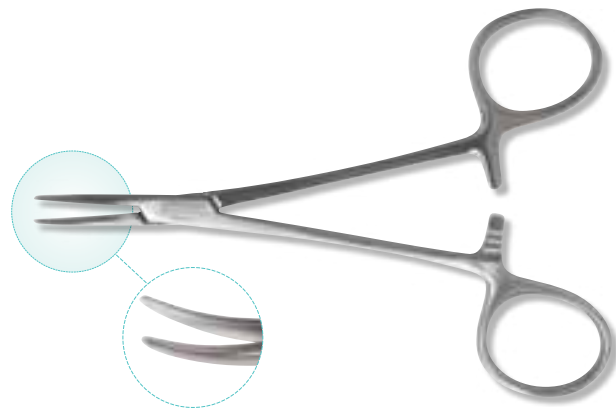
Hartmann Hemostatic Forceps Straight, Serrated

Order #	Tip Width	Overall Length	Key Feature
ST1 72-8957	1.4 mm	9.0 cm	
ST1 72-8958	0.7 mm	10.0 cm	Extra Fine



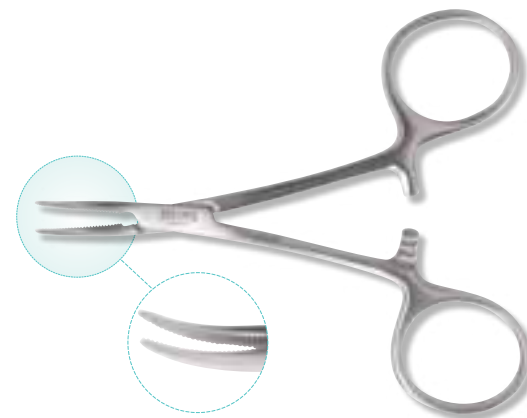
Hartmann Hemostatic Forceps Curved, Smooth

Order #	Tip Width	Overall Length
ST1 72-8955	1.5 mm	10.0 cm
ST1 72-8956	1.7 mm	12.0 cm
ST1 72-8962	1.5 mm	10.0 cm



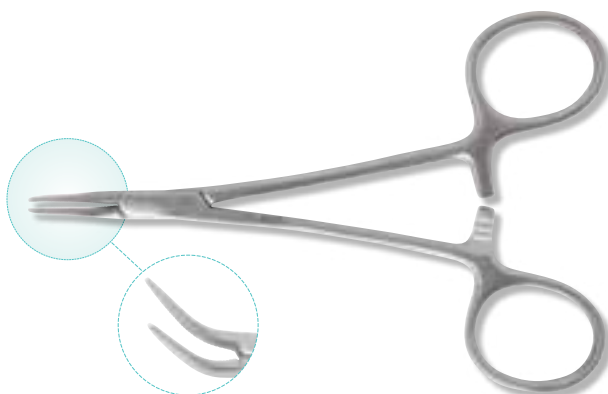
Hartmann Hemostatic Forceps Curved, Serrated

Order #	Tip Width	Overall Length	Key Feature
ST1 72-8960	2.2 mm	9.5 cm	
ST1 72-8961	1.0 mm	9.5 cm	Extra Fine

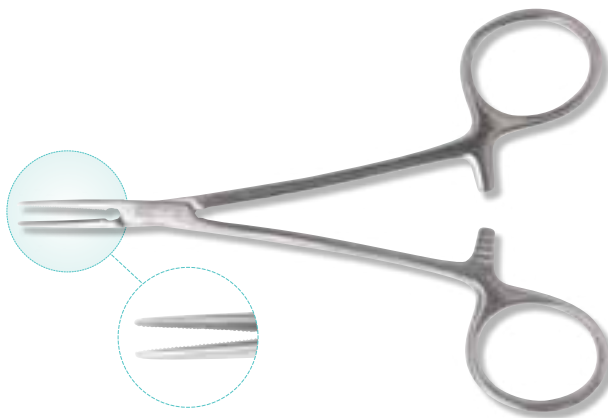


**Micro-Mosquito Hemostatic Forceps
Angled Right, Serrated**

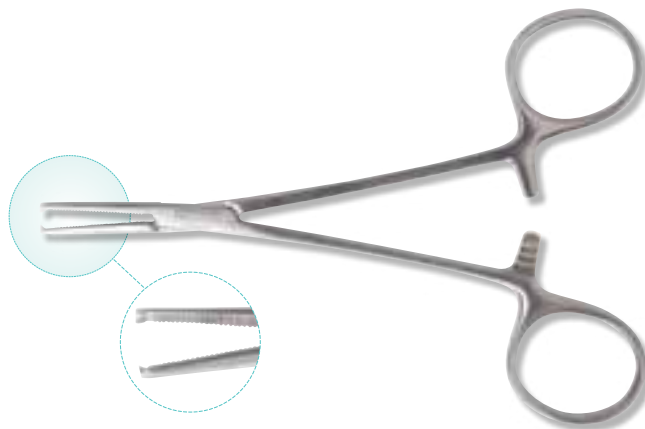
Order #	Tip Width	Overall Length
ST1 72-8963	1.3 mm	11.5 cm

**Micro-Mosquito Hemostatic Forceps
Straight, Serrated**

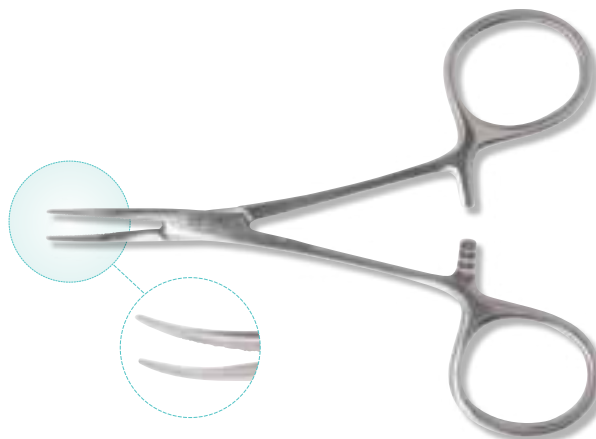
Order #	Tip Width	Overall Length
ST1 72-8964	1.0 mm	9.5 cm
ST1 72-8965	1.0 mm	12.0 cm

**Micro-Mosquito Hemostatic Forceps
Straight, Serrated, 1 x 2 Teeth**

Order #	Tip Width	Overall Length
ST1 72-8968	1.6 mm	10.0 cm
ST1 72-8969	1.7 mm	12.0 cm

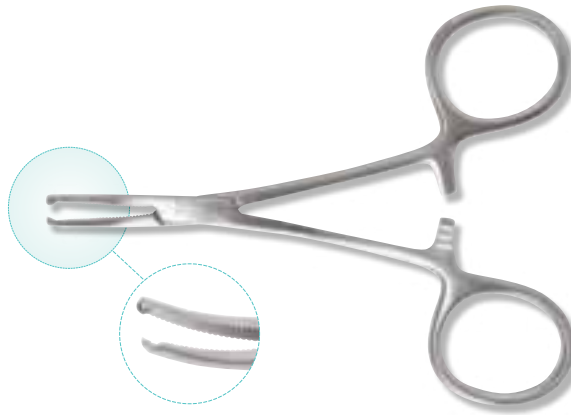
**Micro-Mosquito Hemostatic Forceps
Curved, Serrated**

Order #	Tip Width	Overall Length
ST1 72-8966	1.4 mm	10.0 cm
ST1 72-8967	1.2 mm	12.0 cm



Micro-Mosquito Hemostatic Forceps Curved, Serrated, 1 x 2 Teeth

Order #	Tip Width	Overall Length
ST1 72-8970	1.7 mm	9.5 cm
ST1 72-8971	1.7 mm	12.5 cm



Halstead-Mosquito Hemostatic Forceps Straight, Smooth

Order #	Tip Width	Overall Length
ST1 72-8972	1.5 mm	12.5 cm
ST1 72-8975	1.4 mm	12.5 cm
ST1 72-8980	2.0 mm	12.0 cm



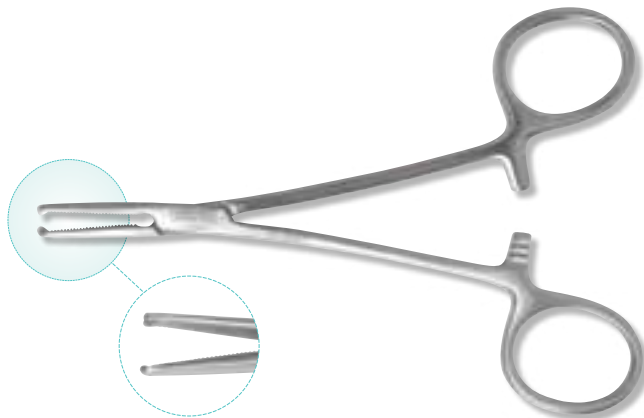
Halstead-Mosquito Hemostatic Forceps Straight, Serrated

Order #	Tip Width	Overall Length	Key Feature
ST1 72-8973	1.5 mm	12.0 cm	
ST1 72-8974	0.8 mm	12.0 cm	Extra Fine



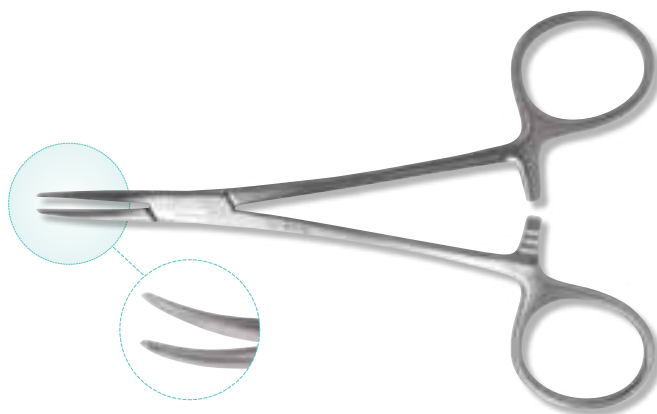
Halstead-Mosquito Hemostatic Forceps Straight, Serrated, 1 x 2 Teeth

Order #	Tip Width	Overall Length
ST1 72-8982	1.8 mm	12.0 cm
ST1 72-8983	2.2 mm	14.0 cm



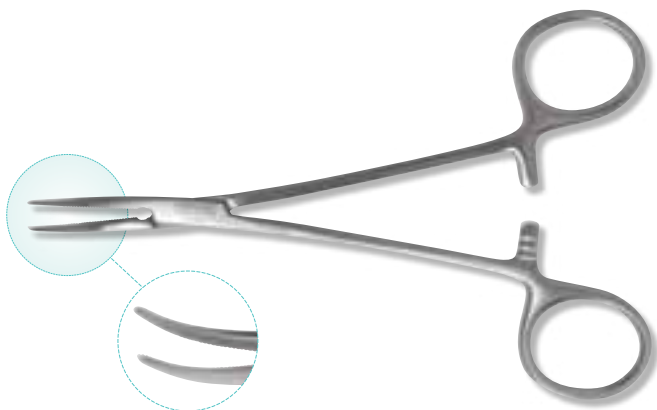
Halstead-Mosquito Hemostatic Forceps Curved, Smooth

Order #	Tip Width	Overall Length
ST1 72-8976	1.6 mm	12.5 cm
ST1 72-8977	1.9 mm	12 cm



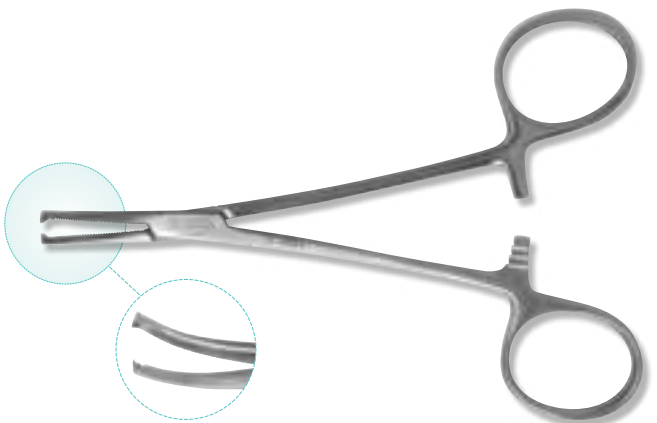
Halstead-Mosquito Hemostatic Forceps Curved, Serrated

Order #	Tip Width	Overall Length
ST1 72-8978	1.5 mm	12.0 cm
ST1 72-8979	0.9 mm	12.0 cm
ST1 72-8981	1.4 mm	14.0 cm



Halstead-Mosquito Hemostatic Forceps Curved, Serrated, 1 x 2 Teeth

Order #	Tip Width	Overall Length
ST1 72-8984	2.0 mm	12.0 cm
ST1 72-8985	2.0 mm	14.0 cm



**Barraquer Needle Holders
with Round Handle
Straight, Smooth**



Order #	Overall Length	Key Feature
ST1 72-0145	14.0 cm	with Lock
ST1 72-0146	14.5 cm	with Lock



**Micro Needle Holders
with Round Handle
Straight, Smooth**

Order #	Overall Length	Key Feature
ST1 72-8865	18.0 cm	without Lock



**Micro Needle Holders
with Round Handle
Curved, Smooth**

Order #	Overall Length	Key Feature
ST1 72-8866	17.5 cm	without Lock



**Castroviejo Needle Holders
Straight, Smooth**

Order #	Overall Length	Key Feature
ST1 72-8872	14.0 cm	without Lock



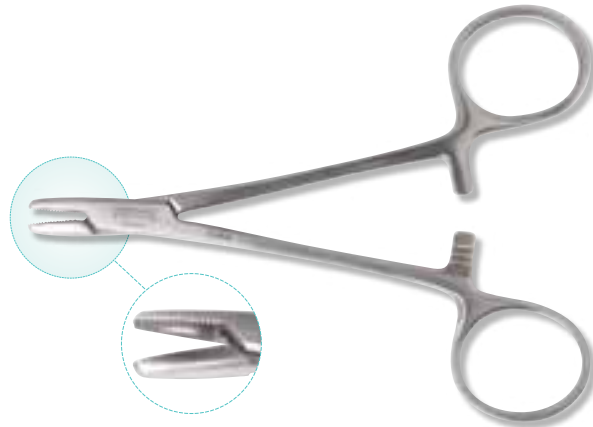
Derf Needle Holders with Tungsten Carbide Jaws Straight, Smooth

Order #	Overall Length	Key Feature
ST1 72-8884	11.5 cm	Extra Delicate Jaw
ST1 72-8885	12.0 cm	Extra Delicate Jaw



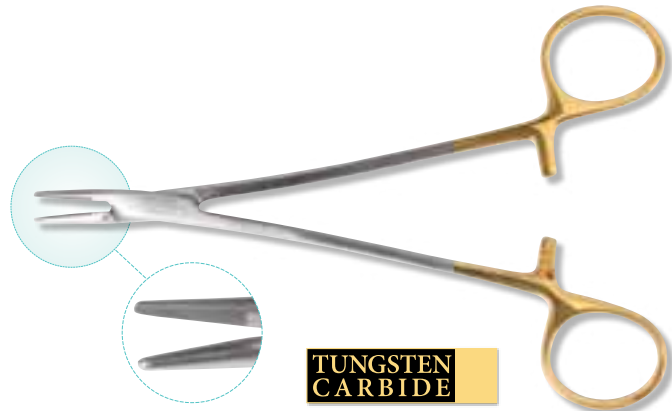
Derf Needle Holders Straight, Serrated

Order #	Overall Length
ST1 72-8826	12.0 cm



De Bakey Needle Holders with Tungsten Carbide Jaws Straight, Serrated

Order #	Overall Length	Key Feature
ST1 72-8897	15.5 cm	
ST1 75-0081	18.0 cm	Left Hand



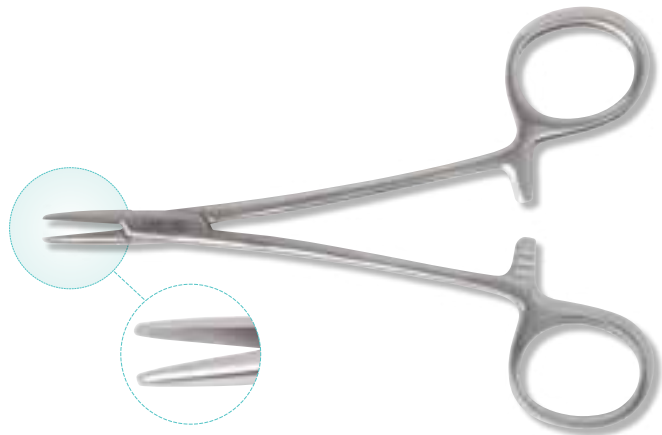
Gillies Mini Needle Holders with Scissors and Tungsten Carbide Jaws Curved, Smooth

Order #	Overall Length
ST1 72-8902	13.0 cm
ST1 72-8903	16.0 cm



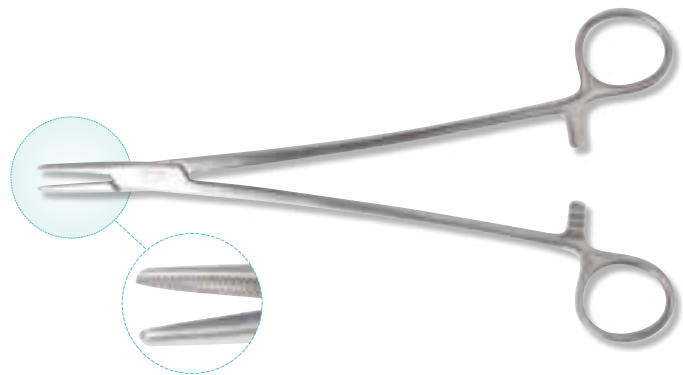
Webster Needle Holders Straight, Smooth

Order #	Overall Length
ST1 72-8828	13.0 cm



Crile-Wood Needle Holders Straight, Serrated

Order #	Overall Length
ST1 72-8830	15.0 cm
ST1 72-8831	18.0 cm
ST1 72-8832	20.5 cm



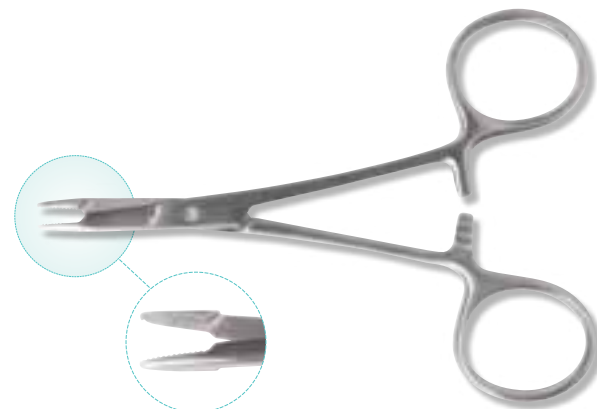
Mayo-Hegar Needle Holders Straight, Serrated

Order #	Overall Length
ST1 72-8834	14.0 cm
ST1 72-8835	16.0 cm
ST1 72-8836	18.5 cm



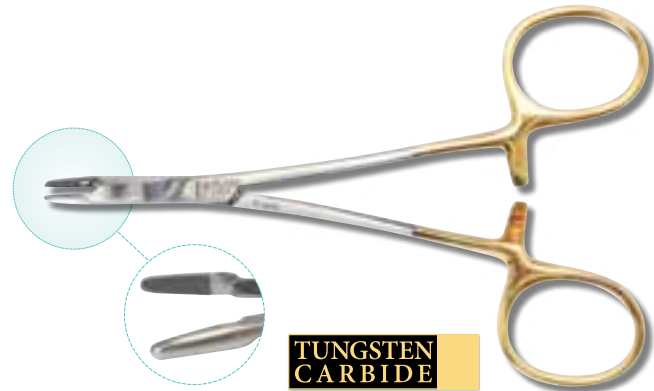
Olsen-Hegar Needle Holders with Scissors Straight, Serrated

Order #	Overall Length	Key Feature
ST1 72-8844	11.0 cm	
ST1 72-8845	11.5 cm	Extra Delicate Jaw
ST1 72-8846	14.0 cm	
ST1 72-8847	18.5 cm	
ST1 72-8848	18.0 cm	



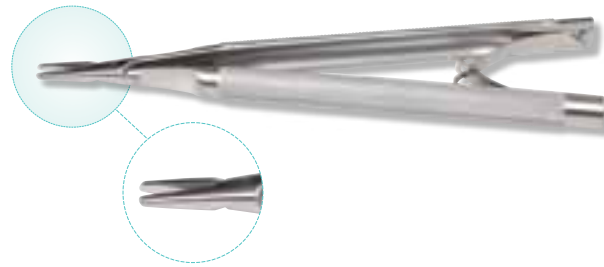
Olsen-Hegar Needle Holders with Scissors and Tungsten Carbide Jaws Straight, Serrated

Order #	Overall Length
ST1 72-8898	12.0 cm
ST1 72-8899	13.5 cm
ST1 72-8900	16.0 cm



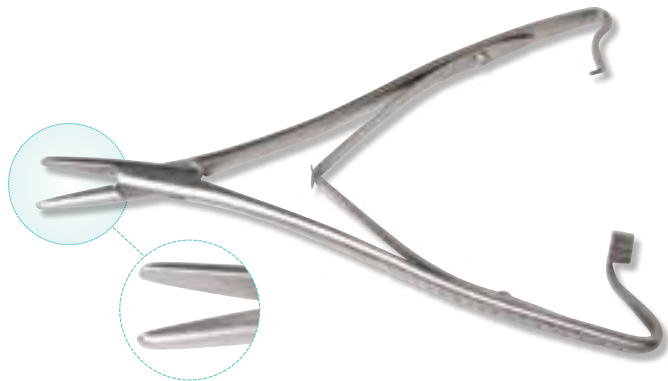
Castroviejo Needle Holders with Round Handle Straight, Smooth

Order #	Overall Length	Key Feature
ST1 72-8879	13.0 cm	without Lock



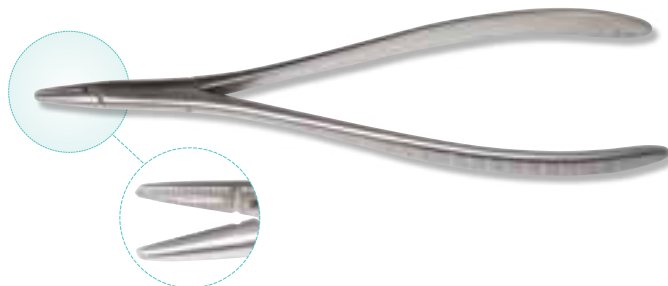
Mathieu Needle Holders Straight, Serrated

Order #	Overall Length	Key Feature
ST1 72-8851	14.0 cm	with Lock
ST1 72-8854	14.0 cm	with Lock and Groove
ST1 72-8857	16.5 cm	with Lock
ST1 72-8858	19.5 cm	with Lock



Crile Needle Holders Straight, Serrated

Order #	Overall Length
ST1 72-8850	15.0 cm





LOOK® Sutures

- Needles penetrate smoothly
- Sutures stay secure
- Superior packaging with easy to identify markings

LOOK® sutures and needles are the highest quality available. Their proprietary in-house manufacturing processes give them maximum control over the quality of all products. From the receipt of raw material to the shipping of finished products, they oversee every aspect of the production cycle and hold it to the highest standards.

Rigid inspections make certain sutures meet or exceed exacting U.S.P. standards. Indeed, LOOK® tolerances have long been considered among the tightest in the industry. The end result is a suture that performs exactly the way you expect it to!

Suture Diameter Equivalents				
	European Pharmacopeia			
U.S.P. Size	Natural Catgut	Non-Absorbable Materials	Suture Diameter Minimum	Suture Diameter Maximum
6-0	1.0	0.7	0.07 mm	0.099 mm
5-0	1.5	1.0	0.10 mm	0.149 mm
4-0	2	1.5	0.15 mm	0.199 mm
3-0	3	2	0.20 mm	0.249 mm
2-0	3.5	3	0.30 mm	0.339 mm
0	4	3.5	0.35 mm	0.399 mm
1	5	4	0.40 mm	0.499 mm
2	6	5	0.50 mm	0.599 mm



Polyglycolic Acid Absorbable

This material is a synthetic absorbable suture that provides extraordinary smoothness from its proprietary coating, low friction, and reduced tissue trauma. Absorption is essentially complete in 50-90 days. Available in green and undyed versions.



Nylon Monofilament

This black and clear nylon monofilament is smooth and nonporous, resulting in excellent tensile strength and ease of passage through tissue, while reducing tissue trauma, and preventing tissue ingrowth.



Silk Black Braided

Surgical black braided silk is specially processed for optimum handling and knot security without excess capillarity.



Polyviolene® Polyester

This green and white braided Polyviolene® polyester suture material has a unique combination of strength, excellent handling, and knot-tying security. Special braiding offers a uniform surface which minimizes tissue trauma.



Gut Plain-Absorbable

Plain gut is manufactured from the highest quality raw material to ensure ease of handling, dependable absorption, and high tensile strength. All strands are precision polished to a uniform diameter.



Gut Chromic-Absorbable

Chromic gut has the same high quality characteristics as our plain gut, with special treatment to maintain tensile strength within the tissue while prolonging absorption.

	Suture Length	U.S.P. Size 6-0	5-0	4-0	3-0	2-0	0	1	2
Non-Sterile Spool*									
Silk Black Brd.	22.9 m	ST1 72-3287	ST1 51-7607	ST1 51-7615	ST1 51-7623	ST1 51-7631	-	-	-
Silk Black Brd.	91.4 m	ST1 72-3288	ST1 51-7680	ST1 51-7698	ST1 51-7706	ST1 51-7714	ST1 51-7722	ST1 51-7730	-
Nylon Black Brd.	91.4 m	-	ST1 51-7763	ST1 51-7771	-	-	-	-	-
Nylon Black Mono.	91.4 m	-	ST1 51-7821	ST1 51-7839	ST1 51-7847	ST1 51-7854	ST1 51-7862	ST1 51-7870	-
Polyviolene Green Brd.	91.4 m	-	ST1 51-7896	-	ST1 51-7912	ST1 51-7920	-	ST1 51-7946	ST1 51-7953

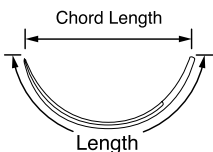
*Note: Non-Sterile suture spools are the specified length and supplied as an individual spool.

Polyviolene® and Look® are registered trademarks of Angiotech.

Needles

- Remarkably consistent and reliable
- Penetrates cleanly with minimal drag
- Resists bending, catching and breaking

These Harvard LOOK® Suture Needles are manufactured from top quality surgical stainless steel and are designed to stay sharp to ensure continued passage through tissue. They are attached to the suture by a swagging technique providing one continuous, even, smooth strand between the needle and suture material.



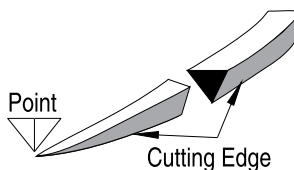
These needles are tempered to the right combination of hardness and tensile strength. They hold their fine cutting edge/point and resist bending when the necessary pressure is applied. They provide a secure attachment for the suture material. Regular tests gauge needles sharpness and ductility.

These Needles with Sutures are individually packaged in sterile, peelable, double envelopes for maximum protection. They are supplied in boxes of 12.

Sutures with Reverse Cutting $\frac{3}{8}$ Circle Needles

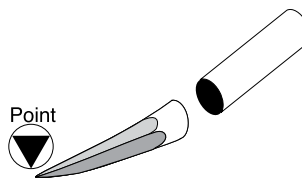


Needles Shown Actual Size.



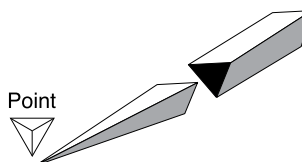
Reverse Cutting Needles

Cutting Edge on Outer Curve. For tough, difficult-to-penetrate tissues.



Cut Taper Needles

Cutting tip and taper body. For tough tissues. Like two needles in one.



Straight Cutting Needles

Smooth penetration for passage through tissues.

Reverse Cutting Precision Point - $\frac{3}{8}$ Circle, pkg. of 12					U.S.P. Size			
Needles		Suture Material	Suture Length		7-0	6-0	5-0	4-0
C1	Curvature	130°	Silk Black Brd.	45 cm (18 in)	-	ST1 59-6860	-	-
	Chord Length	9.0 mm	Nylon Black Mono.	45 cm (18 in)	ST1 72-3305	ST1 72-3306	-	-
	Length	11 mm	Gut-Chromic	30 cm (12 in)	-	ST1 72-3308	-	-
C3	Curvature	158°	Nylon Black Mono.	20 cm (12 in)	-	-	ST1 72-3311	-
	Chord Length	9.6 mm	Nylon Black Mono.	45 cm (18 in)	-	ST1 72-3312	ST1 72-3313	ST1 72-3314
	Length	13 mm	Nylon Clear Mono.	45 cm (18 in)	-	-	ST1 72-3317	-
			Silk Black Brd.	45 cm (18 in)	-	-	ST1 72-3318	-
			Gut-Chromic	45 cm (18 in)	-	-	ST1 72-3322	-
			Gut-Plain	45 cm (18 in)	-	-	-	ST1 72-3325

Reverse Cutting Precision Point - $\frac{3}{8}$ Circle, pkg. of 12					U.S.P. Size				
Needles		Suture Material	Suture Length		6-0	5-0	4-0	3-0	2-0
C3			PolyGlycolic Undyed Brd.	45 cm (18 in)	ST1 72-3326	ST1 72-3327	ST1 72-3328	-	-
PC31	Curvature	135°	PolyGlycolic Undyed Brd.	45 cm (18 in)	-	-	ST1 72-3329	ST1 72-3330	ST1 72-3331
	Chord Length	15.1 mm	-	-	-	-	-	-	-
	Length	19 mm	-	-	-	-	-	-	-
PC33	Curvature	135°	PolyGlycolic Undyed Brd.	45 cm (18 in)	-	-	-	-	ST1 72-3332
	Chord Length	19.6 mm	-	-	-	-	-	-	-
	Length	24 mm	-	-	-	-	-	-	-

Sutures with Reverse Cutting $\frac{3}{8}$ Circle Needles (continued)



Needles Shown Actual Size.

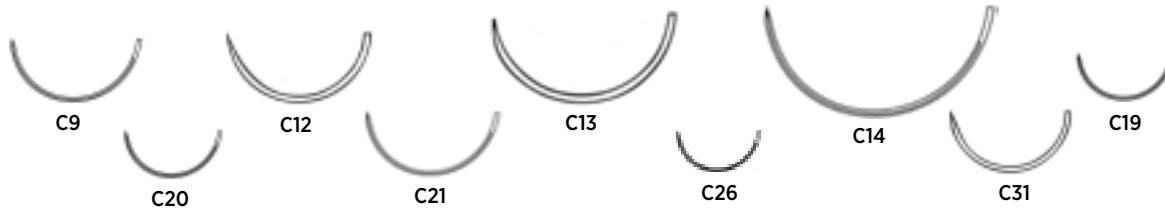
Reverse Cutting Precision Point - ⅜ Circle, pkg. of 12								
					U.S.P. Size			
Needles			Suture Material	Suture Length	5-0	4-0	3-0	2-0
C6	Curvature	135°	Silk Black Brd.	75 cm (30 in)	–	–	ST1 72-3333	–
	Chord Length	14.5 mm	Silk Black Brd.	45 cm (18 in)	ST1 51-0545	ST1 51-0552	ST1 51-0560	–
	Length	18 mm	Gut-Plain	70 cm (27 in)	ST1 51-0578	ST1 51-0586	ST1 51-0594	–
			Gut-Chromic	70 cm (27 in)	ST1 51-0602	ST1 51-0610	ST1 51-0628	–
			Nylon Black Mono.	25 cm (10 in)	ST1 72-3334	–	–	–
			Nylon Black Mono.	45 cm (18 in)	ST1 51-0636	ST1 51-0644	ST1 51-0651	–
			PolyGlycolic Undyed Brd.	70 cm (27 in)	ST1 72-3336	ST1 72-3337	ST1 72-3338	–
C7	Curvature	135°	Silk Black Brd.	45 cm (18 in)	–	ST1 72-3341	ST1 51-0735	–
	Chord Length	19 mm	Gut-Plain	70 cm (27 in)	–	–	ST1 51-0743	ST1 51-0750
	Length	24 mm	Gut-Chromic	70 cm (27 in)	–	–	–	ST1 51-0768



Needles Shown Actual Size.

Reverse Cutting - $\frac{3}{8}$ Circle, pkg. of 12				U.S.P. Size					
Needles		Suture Material	Suture Length	6-0	5-0	4-0	3-0	2-0	0
C7	Length	24 mm	Nylon Black Mono.	25 cm (10 in)	-	-	ST1 72-3342	-	-
			Nylon Black Mono.	45 cm (18 in)	-	-	ST1 51-0776	ST1 51-0784	-
			PolyGlycolic Undyed Brd.	70 cm (27 in)	-	-	ST1 72-3344	ST1 72-3345	ST1 72-3346
C8	Curvature	135°	Silk Black Brd.	45 cm (18 in)	-	-	-	ST1 51-6609	-
	Chord Length	21 mm	Gut-Chromic	70 cm (27 in)	-	-	-	-	ST1 51-6625
	Length	26 mm	Nylon Black Mono.	45 cm (18 in)	-	-	-	ST1 51-6633	-
C10	Curvature	135°	Silk Black Brd.	45 cm (18 in)	-	-	-	ST1 51-6674	ST1 51-6690
	Chord Length	30 mm	Nylon Clear Mono.	70 cm (27 in)	-	-	-	ST1 72-3348	-
C17	Curvature	135°	Silk Black Brd.	45 cm (18 in)	ST1 51-0461	ST1 51-0479	ST1 51-0487	-	-
	Chord Length	12 mm	Gut-Chromic	45 cm (18 in)	-	ST1 51-6146	-	-	-
	Length	12 mm	Nylon Black Mono.	45 cm (18 in)	ST1 51-0511	ST1 51-0529	ST1 51-0537	-	-
			Nylon Black Mono.	25 cm (10 in)	ST1 72-3350	ST1 72-3351	ST1 72-3352	-	-
			Gut-Plain	25 cm (10 in)	-	ST1 72-3353	ST1 72-3354	-	-
			PolyGlycolic Undyed Brd.	25 cm (10 in)	-	ST1 72-3355	-	-	-
C22	Curvature	135°	Nylon Black Mono.	45 cm (18 in)	ST1 51-6203	ST1 51-6211	-	-	-
	Chord Length	13 mm	Polyviolene Green Brd.	45 cm (18 in)	-	ST1 51-6237	-	-	-
	Length	16 mm		45 cm (18 in)	-	ST1 72-3356	-	-	-

Sutures with Reverse Cutting 1/2 Circle Needles



Needles Shown Actual Size.

Reverse Cutting Precision Point - ½ Circle, pkg. of 12							
				U.S.P. Size			
Needles			Suture Material	Suture Length	4-0	3-0	1
C9	Curvature	180°	Silk Black Brd.	45 cm (18 in)	-	ST1 51-6955	-
	Chord Length	16.5 mm	Nylon Black Mono.	45 cm (18 in)	-	ST1 72-3358	-
	Length	23 mm					
C14	Curvature	180°	PolyGlycolic Green Brd.	-	-	-	-
	Chord Length	29 mm	-	70 cm (27 in)	-	-	ST1 72-3367
	Length	40 mm					
C19	Curvature	180°	Silk Black Brd.	45 cm (18 in)	-	ST1 59-6867	-
	Chord Length	13 mm					
	Length	18 mm					
C20	Curvature	180°	Silk Black Brd.	45 cm (18 in)	ST1 51-6930	-	-
	Chord Length	13.5 mm					
	Length	20 mm					
C21	Curvature	180°	Silk Black Brd.	45 cm (18 in)	-	ST1 59-6863	-
	Chord Length	17.5 mm	Gut-Plain	45 cm (18 in)	-	ST1 59-6864	-
	Length	26 mm					
C31	Curvature	180°	Silk Black Brd.	45 cm (18 in)	-	ST1 59-6861	-
	Chord Length	16 mm	Gut-Plain	45 cm (18 in)	-	ST1 59-6862	-
	Length	24 mm					

Sutures with Taper Point 1/2 Circle Needles



Needles Shown Actual Size.

Reverse Cutting Precision Point - ½ Circle, pkg. of 12								
				U.S.P. Size				
Needles			Suture Material	Suture Length	3-0	2-0	0	1
T14	Curvature	180°	PolyGlycolic Green Brd.	70 cm (27 in)	ST1 72-3371	-	-	-
	Chord Length	13.1 mm						
	Length	20.0 mm						
T5	Curvature	175°	PolyGlycolic Green Brd.	70 cm (27 in)	ST1 72-3372	ST1 72-3373	-	-
	Chord Length	18.5 mm						
	Length	26.5 mm						
T	Curvature	170°	PolyGlycolic Green Brd.	70 cm (27 in)	ST1 72-3374	ST1 72-3375	-	-
	Chord Length	18.1 mm						
	Length	26.0 mm						
T8	Curvature	175°	PolyGlycolic Green Brd.	70 cm (27 in)	-		ST1 72-3381	ST1 72-3382
	Chord Length	24.8 mm	Gut-Chromic	70 cm (27 in)				
	Length	36.6 mm						
T10	Curvature	160°	PolyGlycolic Green Brd.	70 cm (27 in)	-	-	ST1 72-3386	ST1 72-3387
	Chord Length	29.4 mm						
	Length	40.0 mm						

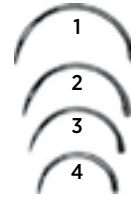
Eye Needles, $\frac{3}{8}$ Circle, Cutting Edge



Eye of needle = 1 mm

Order #	Product
ST1 60-4157	Size 1, pkg. of 12
ST1 60-4158	Size 2, pkg. of 12
ST1 60-4159	Size 3, pkg. of 12
ST1 60-4160	Size 4, pkg. of 12

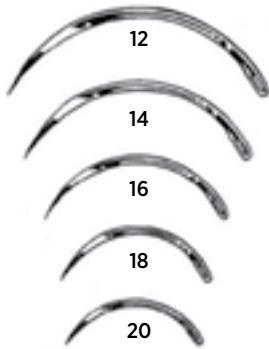
Eye Needles, $\frac{1}{2}$ Circle, Cutting Edge



Eye of needle = 1 mm

Order #	Product
ST1 60-4161	Size 1, pkg. of 12
ST1 60-4162	Size 2, pkg. of 12
ST1 60-4163	Size 3, pkg. of 12
ST1 60-4164	Size 4, pkg. of 12

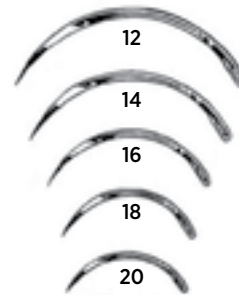
Regular Surgeon's, $\frac{3}{8}$ Circle, Cutting Edge



Eye of needle = 2 mm

Order #	Product
ST1 60-4171	Size 12, pkg. of 12
ST1 60-4173	Size 14, pkg. of 12
ST1 60-4175	Size 16, pkg. of 12
ST1 60-4177	Size 18, pkg. of 12
ST1 60-4179	Size 20, pkg. of 12

Regular Surgeon's, $\frac{1}{2}$ Circle, Cutting Edge



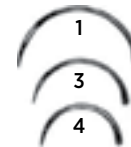
Eye of needle = 2 mm

Order #	Product
ST1 60-4182	Size 12, pkg. of 12
ST1 60-4184	Size 14, pkg. of 12
ST1 60-4186	Size 16, pkg. of 12
ST1 60-4188	Size 18, pkg. of 12
ST1 60-4190	Size 20, pkg. of 12

Umbilical Tape

Product	Length	$\frac{1}{8}$ inch	$\frac{1}{4}$ inch	$\frac{3}{8}$ inch
Umbilical Tape	20 Yards	ST1 72-3388	ST1 72-3389	ST1 72-3390
Umbilical Tape	100 Yards	ST1 72-3391	-	-

Eye Needles, $\frac{1}{2}$ Circle, Taper Point



Order #	Product
ST1 60-4165	Size 1, pkg. of 12
ST1 60-4167	Size 3, pkg. of 12
ST1 60-4168	Size 4, pkg. of 12



Reflex™ Skin Closure System

- Small 7 or 9 mm clip size
- Innovative wound clip system

The Reflex™ Skin Closure System is a fast and effective method to close wounds on animals. This system eliminates the need for suture material and a needle. The Reflex™ Clips are available in two sizes, 7 mm and 9 mm. The remover forceps will work in conjunction with all Reflex™ wound clips. Applicator, remover and clips make a complete set. Each sold separately.

Order #	Product
ST1 72-6060	Reflex™ Applicator for 7 mm Clips
ST1 72-6061	Reflex™ Applicator for 9 mm Clips
ST1 72-6062	Reflex™ Clips, 7 mm, Box of 100
ST1 72-6063	Reflex™ Clips, 9 mm, Box of 100
ST1 72-6064	Reflex™ Remover Forceps for both 7 mm and 9 mm clips

ST1 34-0557
Autoclip® Starter Set



Autoclip® Wound Closure System

- In use for over 40 years
- Provides maximum holding force with minimal trauma
- Starter Set includes 9 mm wound clips, applicator, and removal forcep
- Automatic, spring-fed applicators permit rapid, unassisted application

This Autoclip® wound closure system provides a rapid, easy to use method to securely close wounds. When the wound is healed, simply remove the clip using the handy removal forcep. A convenient starter set is offered for first time buyers which includes an Autoclip® applicator, Autoclips®, and removal forcep. The stainless steel Autoclips® are 9 mm in size. Instruments and wound clips are supplied non-sterile, but may be autoclaved.

Order #	Product
ST1 34-0557	Autoclip® Starter Set, Includes ST1 34-0554 Applicator, ST1 34-0556 Removal Forcep, 100 x 9 mm clips, in a Handy Plastic Case
ST1 34-0554	Autoclip® Applicator for 9 mm Clips
ST1 52-3748	Autoclips®, 9 mm, Stainless Steel, Pkg. of 100
ST1 34-0556	Autoclip® Removal Forcep



Micro Aneurysm Clips

- Ideal for temporary clamping of small animal vessels
- Stainless steel

These micro aneurysm clips provide an easy and secure way to stop blood flow while performing procedures on vessels. Using one of the applying forceps listed below, simply grasp the clip to open the jaw, slide it over the vessel and release. To remove, just perform the procedure in reverse. It's that simple. They do not compromise the vessel integrity. Package of 1.

Order #	Product
ST1 61-0186	Micro Aneurysm Clip, Straight, 70 gm Pressure, 0.8 mm width, 5 mm long
ST1 61-0187	Micro Aneurysm Clip, Straight, 70 gm Pressure, 0.75 mm width, 6 mm long
ST1 61-0188	Micro Aneurysm Clip, Slight Curve, 70 gm Pressure, 1 mm Width, 6 mm Long
ST1 61-0189	Micro Aneurysm Clip, Strong Curve, 70 gm Pressure, 1 mm Width, 6 mm Long
ST1 61-0190	Micro Aneurysm Clip, 45° Angle, 85 gm Pressure, 1 mm Width, 6 mm Long
ST1 61-0191	Applying Forcep for Micro Aneurysm Clips, 14 cm (5.5 in) Long
ST1 61-0192	Applying Forcep for Micro Aneurysm Clips with Lock, 14.6 cm (5.75 in) Long



Micro Vascular Clips

- For temporary occlusion of flow through a vessel
- Stainless steel

These stainless steel clips are available in three sizes. They are easy to apply using ST1 61-0198 forcep listed below. Package of 1.

Order #	Product
ST1 61-0195	Micro Vascular Clip for 1 mm Diameter Vessels, Occlusion Pressure 30 to 35 g, 8 mm long
ST1 61-0196	Micro Vascular Clip for 1 to 2 mm Diameter Vessels, Occlusion Pressure 35 to 40 g, 11 mm long
ST1 61-0197	Micro Vascular Clip for 2 to 3 mm Diameter Vessels, Occlusion Pressure 50 to 60 g, 14 mm long
ST1 61-0198	Applying Forcep for Vascular Clips, 12.1 cm (4.75 in) Long

Autoclip is a registered trademark of Mikron Precision, Inc.

Dieffenbach Vessel Clips Straight

Order #	Overall Length
ST1 72-8815	35.0 mm



Diethrich Mini Bulldog Clamp

Order #	Overall Length	Clamp Pressure
ST1 72-8817	50.0 mm	50.0 g



Vessel Clips Straight

Order #	Jaw Width	Overall Length	Clamp Pressure
ST1 72-8816	0.75 mm	4.0 mm	125.0 g
ST1 72-8993	Applying Forceps		



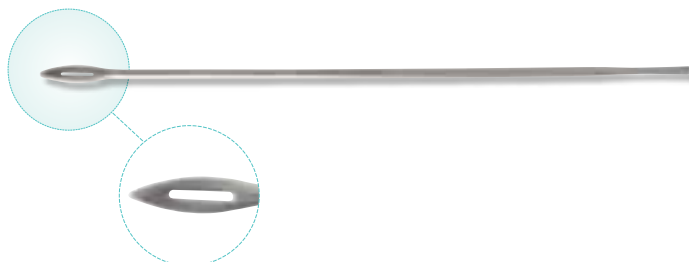
Double Ended Probes

Order #	Tips	Overall Length
ST1 72-8911	1.0 mm	13.0 cm
ST1 72-8912	1.0 mm	14.0 cm
ST1 72-8913	1.0 mm	16.0 cm
ST1 72-8914	1.0 mm	18.0 cm



Probes

Order #	Tips	Overall Length
ST1 72-8915	2.0 mm	14.5 cm
ST1 72-8916	2.0 mm	16.0 cm
ST1 72-8917	2.0 mm	18.0 cm





Harvard Apparatus Tissue Clips

- For suspending biological preparations in tissue vessels
- Rapid sample attachment
- Even clamping pressure
- Lightweight; small size
- Extremely low drug absorption
- Easily cleaned

A pair of these tissue clips provides a quick and simple means of attaching small pieces of biological tissue for suspension in isolated tissue vessels. Preparations such as vascular smooth muscle, papillary muscle, skeletal muscle and intestinal sections are particularly well suited for this type of clip. The clip provides firm uniform pressure across the clamping region by means of a stainless steel spring.

Specifications	
Overall Size	3.8 x 11.4 mm (0.150 x 0.450 in)
Clamping Pressure	No Slip at 40 g min
Materials:	
Clip	Barex 210, Vistron Corp.
Axle/Spring	Stainless Steel Tube
Weight	250 mg

Order #	Product
ST1 56-5119	Harvard Tissue Clips, pkg. of 2



Harvard Apparatus Heart Clips

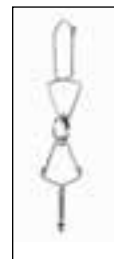
These light, spring wire heart clips are used to attach a thread to a frog or mammalian heart. Both clips are made of stainless steel wire and ensure a firm grip.

Order #	Product	Clip Length	Clip Speed Maximum
ST1 50-5909	Frog Heart Clips	16 mm (0.6 in)	7 mm (¼ in)
ST1 50-5917	Mammalian Heart Clips	32 mm (1¼ in)	10 mm (0.4 in)

*Note: Supplied in package of 5.

Thread Connection Clip

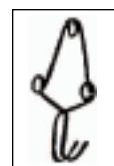
This clip permits simple attachment of the tension thread to the transducers. The special feature of the thread clip is that the length of the thread can easily be adjusted without having to undo or make a knot. This clip provides reliable and secure clamping even with fine threads. The Thread Connection Clip is constructed from stainless steel wire which is 0.5 mm in diameter. The overall length of the clip is 45 mm.



Order #	Product
ST1 73-0572	Thread Connection Clip, pkg. of 1

Flat Serrated Hook Clip

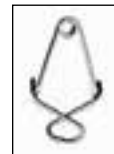
This clip has flat serrated stainless steel hook jaws and side loops. The Flat Serrated Hook Clip is constructed from stainless steel wire which is 0.5 mm in diameter. The overall length of the clip is 17 mm.



Order #	Product
ST1 73-0573	Flat Serrated Hook Clip, pkg. of 1

Pointed Jaw Clip

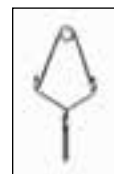
This clip features pointed jaws and side loops for simple operation. The Pointed Jaw Clip is constructed from stainless steel wire which is 0.5 mm in diameter. The overall length of the clip is 14 mm. An Extra Fine Pointed Jaw Clip is also available. It is constructed from stainless steel wire which is 0.4 mm in diameter. The overall length of the clip is 10 mm.



Order #	Product
ST1 73-0574	Pointed Jaw Clip, pkg. of 1
ST1 73-3563	Extra Fine Pointed Jaw Clip, pkg. of 1

Long Flat Jaw Clip

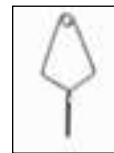
This clip features long flat jaws and side loops for simple operation. The Long Flat Jaw Clip is constructed from stainless steel wire which is 0.5 mm in diameter. The overall length of the clip is 18 mm. The jaw size is 0.5 x 5 mm.



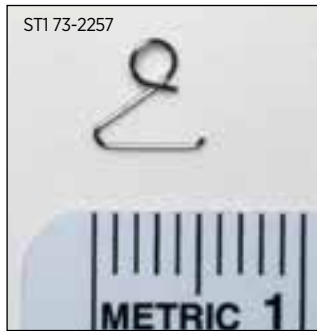
Order #	Product
ST1 73-0575	Long Flat Jaw Clip, pkg. of 1

Long Jaw Clip

This Long Jaw Clip has longer jaws. The jaw size is 0.7 x 5 mm. The Long Jaw Clip is constructed from stainless steel wire which is 0.5 mm in diameter. The overall length of the clip is 18 mm.



Order #	Product
ST1 73-3340	Long Jaw Clip, pkg. of 1



Triangular Hooks

- Three sizes available for tissue rings
- Ideal for cylindrical vessel segments and tracheal rings
- Holder for vessel segments up to 8 mm (0.3 in) in length

These Triangular Hooks are used to support tissue rings for cylindrical vessel segments and tracheal rings. All 3 sizes are constructed from stainless steel wire which is 0.3 mm in diameter.

Order #	Product
ST1 73-2257	Triangular Hook Size 0, Hook Width 5.0 mm, Height 5.4 mm, Loop Ø 2.0 mm, pkg. of 1
ST1 73-2249	Triangular Hook Size 1, Hook Width 8.0 mm, Height 9.0 mm, Loop Ø 2.5 mm, pkg. of 1
ST1 73-2258	Triangular Hook Size 2, Hook Width 12.0 mm, Height 11.0 mm, Loop Ø 3.0 mm, pkg. of 1



Long Loop Clip

The Long Loop Clip is constructed from stainless steel wire which is 0.3 mm in diameter. It is similar to the ST1 73-3340, but is finer in dimensions. The overall length of the clip is 16 mm. The jaw diameter is 2 mm.

Order #	Product
ST1 73-0577	Long Loop Clip, pkg. of 1



Organ Hook

The Organ Hook Clip has a pointed hook that permits easy mounting of organs. It is constructed from stainless steel wire which is 0.5 mm in diameter. The overall length of the hook is 7.5 mm.

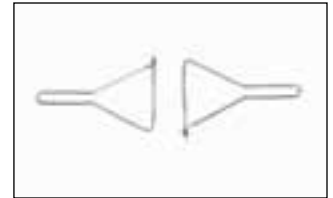
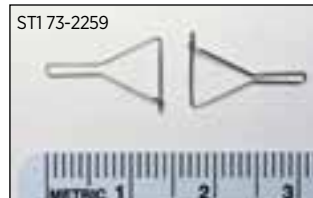
Order #	Product
ST1 73-0578	Organ Hook, pkg. of 1



Serre Fine Tip Closing Clip

This Serre Fine Tip Closing Clip features tip closing jaws for securing tissues. It is constructed from stainless steel wire which is 0.5 mm in diameter. The jaw measures 3 mm. The overall length of the clip is 17 mm.

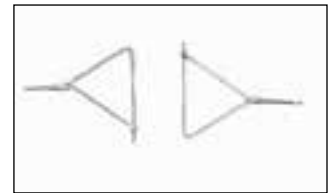
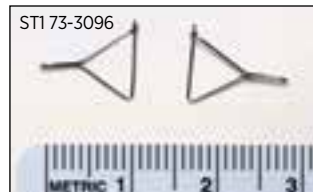
Order #	Product
ST1 73-3339	Serre Fine Tip Closing Clip, pkg. of 1



Holder for Vessel Segments

This triangular holder is used for holding vessel segments. One pair is required per vessel segment. It is constructed from stainless steel wire which is 0.3 mm in diameter. The maximum vessel segment length is 8 mm (0.3 in).

Order #	Product
ST1 73-2259	Holder for Vessel Segments, 1 pair



Holder for Vessel Segments, Twisted 90°

This triangular holder is used for holding vessel segments. One pair is required per vessel segment. The bottom triangle is twisted to hold the tissue at 90° from top holder. It is constructed from stainless steel wire which is 0.3 mm in diameter. The maximum vessel segment length is 8 mm (0.3 in).

Order #	Product
ST1 73-3096	Holder for Vessel Segments, Lower Triangle Twisted by 90°, 1 pair

Barraquer (Colibri) Retractor

Order #	Overall Length
ST1 72-8918	3.0 cm
ST1 72-8919	4.0 cm



Graefe Retractor

Order #	Overall Length
ST1 72-8920	6.5 cm



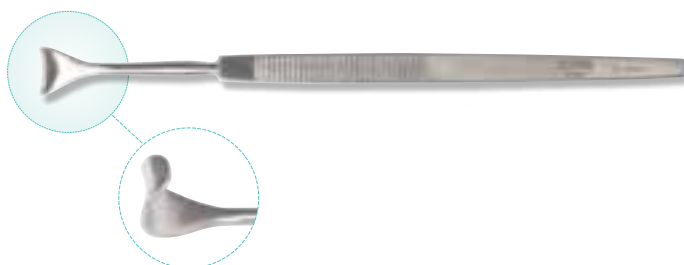
Castroviejo Retractor

Order #	Overall Length
ST1 72-8925	9.5 cm



Desmarres Lid Retractors

Order #	Tip Width	Overall Length
ST1 72-8926	12.0 mm	16.0 cm
ST1 72-8927	14.0 mm	14.0 cm
ST1 72-8928	16.0 mm	14.0 cm
ST1 72-8929	18.0 mm	14.0 cm



CARE AND MAINTENANCE

Protect your investment by taking care of your surgical instruments. Properly cleaning and maintaining your surgical tools is extremely important and far less costly than replacing instruments. Proper care and maintenance includes cleaning, lubricating, sterilizing, and storing your instruments. This will ensure longevity and optimum performance.

Glass Bead Dry Sterilizer

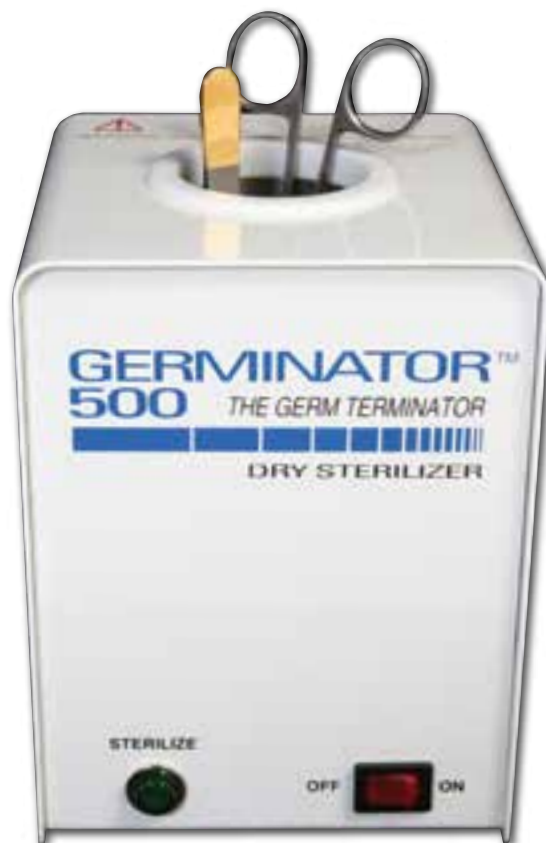
- Quick and inexpensive way to sterilize surgical instruments
- Glass bead bath maintains constant 233°C
- Sterilize in 15 seconds
- No messy chemicals or open flames in the laboratory

This compact unit provides a quick and easy way to sterilize surgical instruments. The stainless steel, central well is filled with dry glass beads that are heated to 233°C. Simply insert an instrument into the beads and, within 15 seconds, the submerged portion of the instrument is sterilized. It's that easy! This unit is supplied ready to use. Replacement glass beads are available separately. This product is a must for any laboratory doing small animal surgery. It is recommended that you replace the beads every six months.

Specifications

Warm Up Time	20 min
Working Temperature	233°C
Sterilization Time	15 sec
Well Size, OD x D	51 x 102 mm (2 x 4 in)
Dimensions, H x W x D	17.2 x 13.3 x 13.3 cm (6.75 x 5.25 x 5.25 in)
Weight	2 kg (4.5 lbs)

Order #	Product
ST1 61-0183	Hot Bead Sterilizer, 120 VAC, 60 Hz
ST1 61-0185	Replacement Glass Beads, 1.5 mm OD, 10 oz. Bag
ST1 72-0120	Hot Bead Sterilizer, Ireland
ST1 72-0121	Hot Bead Sterilizer, UK
ST1 72-0122	Hot Bead Sterilizer, Australia & China
ST1 72-0123	Hot Bead Sterilizer, Denmark
ST1 72-0124	Hot Bead Sterilizer, Sweden
ST1 72-0125	Hot Bead Sterilizer, Netherlands
ST1 72-0126	Hot Bead Sterilizer, Belgium
ST1 72-0127	Hot Bead Sterilizer, Germany
ST1 72-0128	Hot Bead Sterilizer, Finland
ST1 72-0129	Hot Bead Sterilizer, Luxembourg
ST1 72-0130	Hot Bead Sterilizer, Austria
ST1 72-0131	Hot Bead Sterilizer, France
ST1 72-0132	Hot Bead Sterilizer, Spain
ST1 72-0133	Hot Bead Sterilizer, Portugal
ST1 72-0134	Hot Bead Sterilizer, Italy





Plastic Sterilizing Instrument Trays

- Ideal for sterilization of surgical instruments
- Includes silicone mat for safe placement of instruments
- Perforated, see through lid for visibility of all instruments

This sterilization instrument tray is made of medical grade plastic. Perforated lid is removable and see through so all instruments are visible.

There are several different tray options available; different sizes and different components, but all trays include at least one silicone mat for safe placement of instruments.

This sterilization instrument tray is suitable for autoclaving or gas sterilization of surgical instruments.

Order #	Product
ST1 75-0105	Plastic Sterilization Instrument Tray with Base, Lid and 1 Silicone Mat, 15.2 x 6.4 x 1.9 cm (6.0 x 2.5 x 0.75 in)
ST1 75-0106	Plastic Sterilization Instrument Tray with Base, Lid and 1 Silicone Mat, 16.5 x 10.2 x 1.9 cm (6.5 x 4.0 x 0.75 in)
ST1 75-0107	Plastic Sterilization Instrument Tray with Base, Lid, Insert and 2 Silicone Mats, 25.4 x 15.2 x 3.8 cm (10.0 x 6.0 x 1.5 in)
ST1 75-0108	Plastic Sterilization Instrument Tray with Base, Lid and 1 Silicone Mat, 38.1 x 25.4 x 1.9 cm (15.0 x 10.0 x 0.75 in)
ST1 75-0109	Plastic Sterilization Instrument Tray with Base, Lid, Insert and 2 Silicone Mats, 38.1 x 25.4 x 3.8 cm (15.0 x 10.0 x 1.5 in)



Stainless Steel Sterilizing Instrument Case

- Ideal for sterilization of surgical instruments
- Silicone rubber inserts protect instruments
- Includes two racks with silicone rubber inserts
- Includes two long-term textile filters to maintain sterility of instruments

This sterilization instrument case is a heavy duty stainless steel case built to withstand even the harshest lab conditions. The lid is hinged and can lock in place.

This case includes two removable racks with silicone rubber inserts to protect your surgical instruments. It also contains two long-term textile filters attached by removable interior plates; one on the top and one to the bottom of the case. These filters prevent contamination thus keeping the instruments sterile while inside the case.

This sterilization instrument case is suitable for autoclaving or gas sterilization of surgical instruments.

Order #	Product
ST1 75-0097	Stainless Steel Sterilization Instrument Case, 20 x 14 x 6.5 cm (7.87 x 5.51 x 2.56 in)



Sterilizing/Instrument Trays

- Ideal for use in autoclave or chemical soak
- Can be used to clean, rinse, sterilize and lubricate instruments
- Excellent for organizing, storing and protecting instruments

These heavy-duty trays are constructed of 304 18-8 stainless steel so they will not chip or break like glass trays. They can be used for autoclaving or cold chemical soaks. Use a shallow perforated tray within a deeper tray to create a closed draining container for cleaning, rinsing, sterilizing or lubricating your instruments.

Micro Instrument Sterilizing Trays

- Ideal for sterilization of delicate and microsurgical instruments
- Separating pins provide instrument stability
- Silicone rubber inserts protect instruments
- Removable cover

This stainless steel instrument tray provides a convenient and effective way to protect your expensive surgical instruments during the sterilization process. Silicone rubber inserts protect the instruments, while separating pins help to keep the instruments from touching each other. Trays are available with and without adjustable cushions. Available in two sizes. All sizes are 32 mm (1.25 in) deep.

Order #	Product
ST1 61-0215	Micro Instrument Sterilizing Tray, 20.3 x 21.6 cm (8 x 8.5 in)
ST1 61-0216	Micro Instrument Sterilizing Tray with Adjustable Cushions, 20.3 x 21.6 cm (8 x 8.5 in)
ST1 61-0217	Micro Instrument Sterilizing Tray, 20.3 x 31.8 cm (8 x 12.5 in)
ST1 61-0218	Micro Instrument Sterilizing Tray with Adjustable Cushions, 20.3 x 31.8 cm (8 x 12.5 in)

Order #	Product
ST1 61-0199	Sterilizing/Instrument Tray, solid, 22.9 x 12.7 cm (9 x 5 in), 5.1 cm (2 in) deep
ST1 61-0200	Sterilizing/Instrument Tray, perforated, 22.9 x 12.7 cm (9 x 5 in), 5.1 cm (2 in) deep
ST1 61-0201	Lid for Sterilizing/Instrument Tray, 22.9 x 12.7 cm (9 x 5 in)
ST1 61-0211	Sterilizing/Instrument Tray, solid, 25.4 x 16.5 cm (10 x 6.5 in), 1.9 cm (0.75 in) deep
ST1 61-0202	Sterilizing/Instrument Tray, solid, 25.4 x 16.5 cm (10 x 6.5 in), 5.1 cm (2 in) deep
ST1 61-0203	Sterilizing/Instrument Tray, perforated, 25.4 x 16.5 cm (10 x 6.5 in), 5.1 cm (2 in) deep
ST1 61-0204	Lid for Sterilizing/Instrument Tray, 25.4 x 16.5 cm (10 x 6.5 in)
ST1 61-0205	Sterilizing/Instrument Tray, solid, 31.1 x 19.7 cm (12.25 x 7.75 in), 5.7 cm (2.25 in) deep
ST1 61-0206	Sterilizing/Instrument Tray, perforated, 31.1 x 19.7 cm (12.25 x 7.75 in), 5.7 cm (2.25 in) deep
ST1 61-0207	Lid for Sterilizing/Instrument Tray, 31.1 x 19.7 cm (12.25 x 7.75 in)
ST1 61-0213	Sterilizing/Instrument Tray, solid, 33.7 x 24.8 cm (13.5 x 9.75 in), 1.9 cm (0.75 in) deep



Surgical Drapes

- Built-in moisture barrier
- Double central panel made from medical fabric that prevents outside contaminants from permeating through
- Autoclavable

These Drapes have a built-in moisture barrier. This double central panel is made from a medical fabric that prevents outside contaminants from permeating through the drape to the work area. They are manufactured of color fast, pre-shrunk, surgical sheeting and may be safely washed and autoclaved. Supplied as a single drape or box of 12 as noted.

Overall Size	Opening Size		
	5.1 x 2.5 cm (2 x 1 in)	10.2 x 1.9 cm (4 x ¾ in)	17.8 x 3.2 cm (7 x 1¼ in)
51 x 51 cm (20 x 20 in)	-	ST1 59-7421	-
76 x 76 cm (30 x 30 in)	ST1 59-7422*	ST1 59-7423	-
102 x 102 cm (40 x 40 in)	-	ST1 59-7425	ST1 59-7426



Instrument Cleaner and Lubricant (Milk)

- A must for every laboratory
- Concentrated cleaner that is pH neutral
- Instrument Milk recommended for all instruments with metal to metal action before autoclaving

This Cleaner and Lubricant are the perfect companions for all of your surgical instruments. No laboratory should be without them.

The Instrument Cleaner is a perfect cleaner for your surgical instruments. This phosphate free formula is ideal for manual or ultrasonic cleaning or soaking of surgical instrument. Supplied in an 8 ounce bottle.

The Lubricant (Milk) is ideal for lubricating all moving parts. Supplied in an 8 ounce spray bottle for easy application. Steam compatible.

Order #	Product
ST1 61-0221	Instrument Cleaner, 8 oz. Bottle
ST1 61-0222	Instrument Lubricant (Milk), 8 oz. Spray Bottle



Surgical Towels

- Ideal for surgery
- Highly absorbent

These highly absorbent, 100% cotton, durable towels are for use in surgery and measure 46 x 84 cm (18 x 33 in). They are autoclavable and are supplied in a package of 12.

Order #	Product
ST1 59-7435	Surgical Towels, pkg. of 12



Instrument Wraps

- Autoclavable

These Instrument Wraps are manufactured of double thick, pre-shrunk, colorfast, surgical sheeting and may be safely washed and autoclaved. Supplied as a single wrap.

Order #	Product
ST1 59-7430	51 x 51 cm (20 x 20 in)
ST1 59-7431	61 x 61 cm (24 x 24 in)
ST1 59-7432	76 x 76 cm (30 x 30 in)
ST1 59-7433	102 x 102 cm (40 x 40 in)



STI 59-9864
Bone Wax

Bone Wax

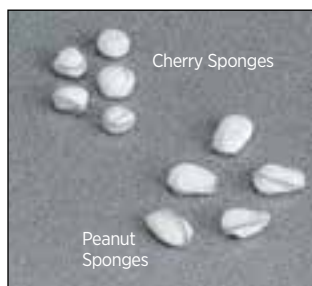
- To stop bleeding during surgery and to patch holes made in the skull

Bone Wax is a sterile mixture of beeswax and isopropyl palmitate, a wax-softening

agent, used to help control bleeding from bone surfaces. It can achieve local hemostasis of bone by acting as a mechanical (tamponade) barrier. It does not act biochemically and is minimally resorbable. Supplied in two sterile 2.5 g (0.09 oz) packets.

Order #	Product
STI 59-9864	Bone Wax*

**Note: Bone Wax should not be used where rapid osseous regeneration and fusion are desired. It may inhibit osteogenesis and act as a physical barrier to the reparative process.*



Cherry Sponges

Peanut Sponges

Dissecting Sponges

These small, firm, top quality gauze sponges are for use in delicate surgical procedures. They are double wrapped and have a locked-in X-Ray detectable element. They are available in peanut or cherry shapes.

The all gauze peanut sponges are 9.5 mm ($\frac{3}{8}$ in) in diameter and are used when precise sponging is necessary in delicate procedures. Cherry sponges are also all gauze and measure 12.7 mm ($\frac{1}{2}$ in). Both are carefully folded to encompass the X-Ray element and eliminate loose edges. These sponges are available sterile or non-sterile and are supplied 500 sponges per case.

Order #	Product
STI 59-8431	Peanut Sponges, Sterile Standard pkg. of 5, 500 per case
STI 59-8433	Cherry Sponges, Sterile Standard pkg. of 5, 500 per Case

Spear-Shaped Sponges



- Absorbs with only the tip immersed
- Economical and convenient
- Integral, bendable plastic handle for added flexibility
- Disposable
- 200 sponges supplied

These sterile, cellulose sponges are for the removal of fluids during microsurgery.

Order #	Product
STI 59-8422	Spear-Shaped Sponges, pkg. of 200



STI 59-9863

Absorbable Gelatin Sponges

- Highly absorbent
- Holds many times its weight in blood
- Completely absorbed within four to six weeks

These small, sterile, surgical sponges are prepared from

specially treated, purified gelatin solution. Each sponge is a hemostatic device that is capable of absorbing and holding within its meshes many times its weight in whole blood. These sponges can be implanted during surgery and will be completely absorbed within four to six weeks.

These Gelatin Sponges measure 20 x 20 mm ($\frac{3}{4}$ x $\frac{3}{4}$ in) and are 7 mm ($\frac{1}{4}$ in) thick. They are supplied sterile in a jar of 12 sponges. They may be cut into smaller sizes.

Note: Gelatin Sponges should not be used in closure of skin incisions because they may interfere with healing of skin edges. These sponges will expand so special care must be taken when placing in a cavity or in closed tissue spaces.

Order #	Product
STI 59-9863	Absorbable Gelatin Sponges, pkg. of 12



Instant Ice® Skin Refrigerant

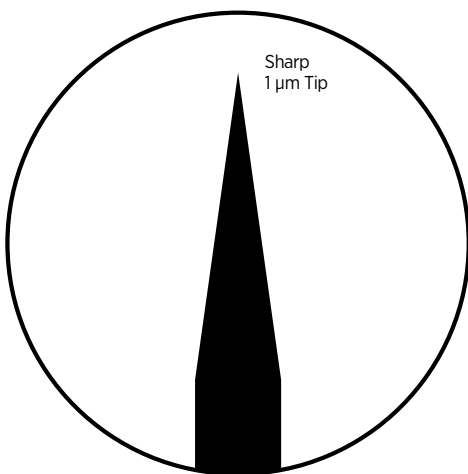
- Topical anesthetic for use on small animals
- Non-prescription
- Non-flammable
- Mist or stream spray

This Skin Refrigerant is a vapocoolant used to control pain associated with pre-injection anesthesia, minor surgical procedures, and starting intravenous lines. Use Instant Ice® to ease animal discomfort

from muscle spasms, minor pain and swelling from sprains, strains, bruising and contusions. Instant Ice® is available in a mist or stream spray in a 3.5 oz (103.5 ml) aerosol can.

Order #	Product
STI 72-6805	Instant Ice® Skin Refrigerant Mist Spray
STI 72-6806	Instant Ice® Skin Refrigerant Stream Spray

Instant Ice is a registered trademark of Gebaurer Company.



Etched Tungsten Micro-Needles

- For very fine micro-dissections
- Sharp or blunt tips available
- Provides lateral stability
- Minimal spring action

These micro-needles are for micro-dissections. They are made from high quality tungsten. Select from either a sharp 1 micron tip or a blunted 3 or 5 micron tip.

All micro-needles provide lateral stability as well as minimal spring action during manipulation.

These micro-needles are 12 mm (0.5 in) long and are supplied in a package of 10. Select from either a 127 or 254 micron shaft.

Order #	Product
ST1 72-0422	Etched Tungsten Micro-Needle, Sharp 1 µm Tip, 127 Micron Shaft, pkg. of 10
ST1 72-0423	Etched Tungsten Micro-Needle, Sharp 1 µm Tip, 254 Micron Shaft, pkg. of 10
ST1 72-0424	Etched Tungsten Micro-Needle, Blunted 5 µm Tip, 254 Micron Shaft, pkg. of 10
ST1 72-0425	Etched Tungsten Micro-Needle, Blunted 3 µm Tip, 127 Micron Shaft, pkg. of 10



Gemini Cautery Kit

- Simple tip design for easy replacement
- Uses standard AA batteries
- Easy screw cap for convenient battery replacement
- Hard plastic case with die cut foam for convenient storage
- Battery spacer for optional temperature operation

The Gemini Cautery Kit is the perfect tool for your cauterizing needs. The unique tip sizes combined with two different operating temperatures allow for maximum versatility. The convenient battery spacer converts the hand piece from high temperature to low temperature.

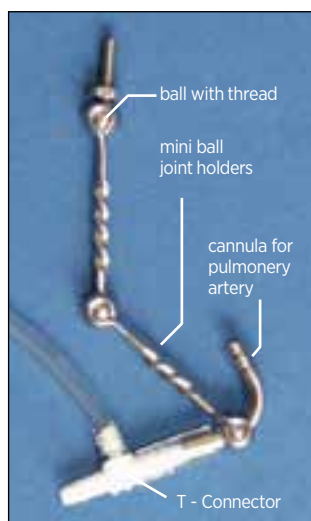
This kit includes: case, handle, two 5 mm tips and two 10 mm tips.

Specifications	
Length	160.75 mm (without tip)
Weight	78 g (with two AA batteries)
Electrical	3 V, 1.5 V
Tip Sizes	5 x 1 mm and 10 x 1 mm

Order #	Product
ST1 72-6067	Gemini Cautery Kit
ST1 72-6068	Replacement Gemini 5 mm Cautery Tip
ST1 72-6069	Replacement Gemini 10 mm Cautery Tip

Ball Joint Holder and Cannulating System for Pulmonary Artery

This special holder was designed to cannulate the pulmonary artery on isolated perfused heart. In combination with the mini ball joint holders a precise fixation without stress load from the cannula on the heart and vessel is possible. It is used for collecting the effluente of the heart for measuring gas concentrations or metabolism analysis. It allows also to measure coronary flow on a working heart by connecting the appropriate flow sensor.



Order #	Product
STI 73-2934	Ball Joints and Cannulating System for Pulmonary Artery on Rat / Guinea Pig Hearts to IH-SR
STI 73-0206	Ball Joints and Cannulating System for Pulmonary Artery on Rat / Guinea Pig Hearts for any system

Aortic Cannulae to IH-SR System

These special cannulae were designed for cannulating isolated heart to mount specifically on the IH-SR System.



Order #	Product
STI 73-2816	Aortic Cannula to IH-SR, OD 1.0 mm
STI 73-2857	Aortic Cannula to IH-SR, OD 1.3 mm
STI 73-2858	Aortic Cannula to IH-SR, OD 1.5 mm
STI 73-2859	Aortic Cannula to IH-SR, OD 1.8 mm
STI 73-2860	Aortic Cannula to IH-SR, OD 2.0 mm
STI 73-2814	Aortic Cannula to IH-SR, OD 2.3 mm
STI 73-2861	Aortic Cannula to IH-SR, OD 2.5 mm
STI 73-2862	Aortic Cannula to IH-SR, OD 3.0 mm

Note: IH-SR Cannulae are not compatible with Luer fittings

Aortic Cannulae to IH-5 System

These special cannulae were designed for cannulating isolated heart to mount specifically on the IH-5 System.

Order #	Product
STI 73-3065	Aortic Cannula to IH-5, OD 2.0 mm
STI 73-2875	Aortic Cannula to IH-5, OD 2.5 mm
STI 73-2876	Aortic Cannula to IH-5, OD 3.0 mm
STI 73-2877	Aortic Cannula to IH-5, OD 3.5 mm
STI 73-2878	Aortic Cannula to IH-5, OD 4.0 mm
STI 73-2879	Aortic Cannula to IH-5, OD 5.0 mm
STI 73-2880	Aortic Cannula to IH-5, OD 6.0 mm



Cannulae for Isolated Liver or Kidney Perfusion

These special cannulae were designed for non traumatic cannulation of an isolated perfused liver or kidney. The cannulae are equipped with a basket like tip to avoid any occlusion of the vessel during preparation and experiment. The cannulae are available at different sizes depending on the species and with or without side port for pressure measurement or drug application.

The cannulae are also available as cannulating system to the moist chamber.

These cannulae can also be combined with Mini Ball Joint Holders to build universal perfusion cannulating systems.

Order #	Product
STI 73-3308	In Situ Cannula with Basket OD 1.0 mm
STI 73-3310	In Situ Cannula with Basket OD 1.3 mm
STI 73-3312	In Situ Cannula with Basket OD 2.0 mm
STI 73-3314	In Situ Cannula with Basket OD 2.3 mm
STI 73-3309	In Situ Cannula with Basket and Side Port OD 1.0 mm
STI 73-3311	In Situ Cannula with Basket and Side Port OD 1.3 mm
STI 73-3313	In Situ Cannula with Basket and Side Port OD 2.0 mm
STI 73-3315	In Situ Cannula with Basket Ex Vivo Cannula with Basket OD 1.0 mm and Holder to Moist Chamber
STI 73-0729	Ex Vivo Cannula with Basket OD 1.3 mm and Holder to Moist Chamber
STI 73-2947	Ex Vivo Cannula with Basket and Side Port OD 1.0 mm and Holder to Moist Chamber
STI 73-2777	Ex Vivo Cannula with Basket and Side Port OD 1.3 mm and Holder to Moist Chamber
STI 73-2778	Ex Vivo Cannula with Basket and Side Port OD 2.3 mm and Holder to Moist Chamber

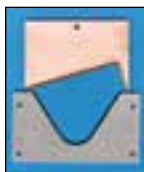


HSE Guillotines

- Two different sizes:
 - For mouse and rat
 - For guinea pig and rabbit
- Cuts through bone tissue
- Protecting sheet at handle
- Protecting plexiglas cover at knife
- Locking device prevents unintentional fall of knife
- Bolting of knife in final position
- Knife can only be moved when security trigger guard is activated



Blades for mouse and rat



Blades for guinea pig and rabbit

The Guillotine provides instant decapitation of laboratory animals. It is available in two versions. The small version has a maximum opening of 65 mm and is used for small rodents; mice and rats. The large version has a maximum opening of 85 mm and is used for guinea pigs and rabbits. A swift downward thrust of the handle dispatches rats, mice and other experimental subjects quickly and without trauma. The blades consist of two different metals - the fixed blade is stainless steel, the movable blade is bronze - ensuring excellent cut and avoiding scuffing tendency because of the excellent anti-friction properties of these two metals. Spare blades are available. A security guard ensures that the movable blade stays up when guillotine is not in use so that no unexpected movement down may take place. Protecting cover and locking devices provide a maximum of safety for the user.

The entire unit is completely washable. No need to disassemble.

Also ideal for cutting plastic tubing.

Order #	Product
ST1 73-1918	Small Guillotine for Mouse and Rat
ST1 73-1920	Large Guillotine for Guinea Pig and Rabbit
ST1 73-1919	Replacement Blades for Small Guillotine

Decapitators

- Cuts through bone tissue; sharp enough to cut hair
- Handle can be relocated for right- or left-hand use

These decapitators have two hardened, grounded and polished surgical stainless steel blades, a cast aluminum base and stainless steel hardware. The base has four holes for permanent mounting to a table top.

Two sizes of decapitator are offered; small and large. The small decapitator has a maximum blade opening of 38 mm (1½ in) square and weighs 1.8 kg (1 lbs). It is used for rats, mice and other small animals. The large decapitator has a maximum blade opening of 102 mm (4 in) square and weighs 4.1 kg (9 lbs). It is used for rabbits, small monkeys and similar sized animals.

Order #	Product
ST1 55-0012	Small Decapitator, 20 x 15 x 20 cm (8 x 6 x 8 in), Dimensions, H x W x D
ST1 55-0020	Large Decapitator, 42.5 x 22.5 x 35 cm (17 x 9 x 14 in), Dimensions, H x W x D
ST1 55-0013	Replacement Top Blade for Small Decapitator
ST1 55-0014	Replacement Bottom Blade for Small Decapitator
ST1 0135004	Replacement Top Blade for Large Decapitator
ST1 0135007	Replacement Top Blade for Large Decapitator