

 **KIRVAN**[®]
SURGICAL PRODUCTS LLC



DEVELOPING FINE SURGICAL PRODUCTS SINCE 1979

Lawrence T. Kirwan, Sr.
Founder

Lawrence T. Kirwan, Sr., a graduate of Boston Technical High School, who went on to Northeastern University, had a keen interest in mechanical engineering. That interest brought him to Codman & Shurtleff, Inc., a manufacturer of general and specialty surgical instruments and equipment. After 29 years at Codman, Mr. Kirwan decided to start his own company.

In November, 1979, New England Surgical Instruments was started by Mr. Kirwan and his wife, Jean. New England Surgical Instruments manufactured surgical instruments for microsurgical specialties such as neurosurgery, ophthalmology, and ear, nose and throat. Initially, the company was run from the basement of Mr. and Mrs. Kirwan's home in Duxbury, Massachusetts. After a year of having employees coming in and

out of their house, the Kirwans decided it was time to move to a bigger facility.

In 1980, New England Surgical Instruments moved to an old shoe factory in Rockland, Massachusetts. It was there, in 1989, that New England Surgical Instruments became Kirwan Surgical Products, Inc. The new name helped the company distinguish itself from others and emphasize that Kirwan is a family owned and operated business.

Kirwan Surgical Products continued its success and growth. Seventeen years and many more employees later, Kirwan outgrew the Rockland facility as well.

After many years of renting space at the Rockland, Massachusetts headquarters, the Kirwans built their own 30,000 square foot custom designed manufacturing facility in the seaside town of Marshfield, Massachusetts. Sadly, Lawrence T. Kirwan Sr. passed away before he could see his magnificent facility come to completion.

And Kirwan continues to grow. Construction was completed in September, 2002, expanding the facility by 20,000 square feet, bringing Kirwan's headquarters to 50,000 square feet.



OUR MISSION

Kirwan Surgical Products LLC is dedicated to creating and developing superior products for demanding microsurgical specialties such as neurosurgery, ophthalmology, ear, nose and throat, plastic and reconstructive surgery, and orthopaedic surgery. Our mission is to provide innovative high quality products at competitive prices. We continue to be an innovator in the field of electrosurgery and hold a number of patents on groundbreaking product designs and manufacturing techniques associated with the field.

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LEGEND

AU AURA Elite Non-stick	NS Non-stick	SS Stainless Steel	Ti Titanium
IN Insulated	Irrigated	Do Not Re-use	

BIPOLAR COAGULATORS

Kirwan Surgical's AURA™ line of coagulators include a 20-watt bipolar coagulator, a 70-watt bipolar coagulator and a 70-watt bipolar coagulator with irrigation pump.

Also complementing Kirwan Surgical's line of bipolar coagulators is the Coa-Comp 40-watt unit that is ideal for any surgical environment that demands precise bipolar coagulation.



BIPOLAR COAGULATORS

BIPOLAR COAGULATORS



26-2500

ITEM #	DESCRIPTION
26-2500	Aura 110/220V 20W bipolar coagulator with footswitch
26-2500P	Complete package includes: 26-2500 Aura 20W bipolar coagulator, 2 boxes of disposable cords, 1 reusable forceps



28-1900

28-1900	COA-COMP [®] 110/220V 40W bipolar coagulator with footswitch
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5 BIPOLAR COAGULATORS

5

AU AURA Elite Non-stick

NS Non-stick

SS Stainless Steel

Ti Titanium

IN Insulated

Irrigated

Do Not Re-use



28-2600

ITEM #	DESCRIPTION	FEATURES
28-2000	Aura 70W bipolar coagulator with footswitch	
28-2000P	Complete package includes: 28-2000 Aura 70W bipolar coagulator, 2 Aura non-irrigating forceps, a 2-forceps instrument tray, 2 boxes of disposable bipolar cords 1 rolling generator stand	
28-2600	Aura Plus 110/220V 70W bipolar irrigating coagulator with footswitch	⦿
28-2600P	Complete package includes: 28-2600 Aura 70W bipolar irrigating coagulator, 2 Aura irrigating forceps, a 2-forceps instrument tray, 2 boxes of irrigating tubing sets, 1 rolling generator stand	⦿



ITEM #	DESCRIPTION
10-9070	Generator stand for 70W bipolar coagulators

BIPOLAR COAGULATORS



CORDS

Since 1979, Kirwan Surgical Products LLC has built its reputation by manufacturing superior quality electro-surgical accessories.

Kirwan Surgical cords, renowned for their flexibility, suppleness and durability, are unsurpassed in the industry.

DISPOSABLE BIPOLAR CORDS



ITEM #	LENGTH	DESCRIPTION	FEATURES
10-4000	12' (3.6m)	Disposable bipolar cord sterile green	



ITEM #	LENGTH	DESCRIPTION	FEATURES
10-4000V	12' (3.6m)	Disposable bipolar cord with fixed pins, 28.6mm, sterile green	



ITEM #	LENGTH	DESCRIPTION	FEATURES
10-4001	12' (3.6m)	Disposable bipolar cord sterile clear	



ITEM #	LENGTH	DESCRIPTION	FEATURES
10-4001V	12' (3.6m)	Disposable bipolar cord with fixed pins, 28.6mm, sterile clear	



ITEM #	LENGTH	DESCRIPTION	FEATURES
10-4005	12' (3.6m)	Disposable Kleppinger bipolar cord (for Kleppinger forceps and banana pins)	



ITEM #	LENGTH	DESCRIPTION	FEATURES
10-4005V	12' (3.6m)	Disposable Kleppinger bipolar cord (for Kleppinger forceps and fixed banana pins, 28.6mm)	



ITEM #	LENGTH	DESCRIPTION	FEATURES
10-4006	12' (3.6m)	Disposable Kleppinger bipolar cord (for Kleppinger forceps and Wolf generator)	



ITEM #	DESCRIPTION	FEATURES
10-4601	Disposable bipolar irrigation tube and cord assembly	
10-4602	Disposable bipolar irrigation tube and cord assembly - M1000 type	
10-4611	Disposable dual irrigation bipolar cord assembly	

REUSABLE BIPOLAR CORDS



ITEM #	LENGTH	DESCRIPTION
10-5000	12' (3.6m)	Reusable TPR bipolar cord (Thermoplastic rubber)



ITEM #	LENGTH	DESCRIPTION
10-5000V	12' (3.6m)	Reusable TPR bipolar cord with fixed pins, 28.6mm



ITEM #	LENGTH	DESCRIPTION
10-6000	12' (3.6m)	Reusable silicone bipolar cord



ITEM #	LENGTH	DESCRIPTION
10-6000V	12' (3.6m)	Reusable silicone bipolar cord with fixed pins, 28.6mm



ITEM #	LENGTH	DESCRIPTION
10-6002	12' (3.6m)	Reusable silicone bipolar scissors cord



ITEM #	LENGTH	DESCRIPTION
10-6005	12' (3.6m)	Reusable Kleppinger bipolar cord (for Kleppinger forceps and banana pins)

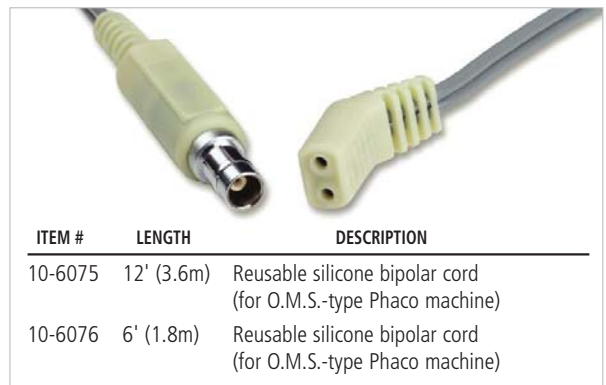
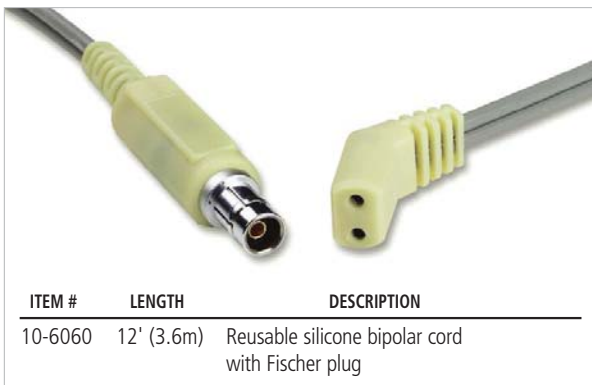
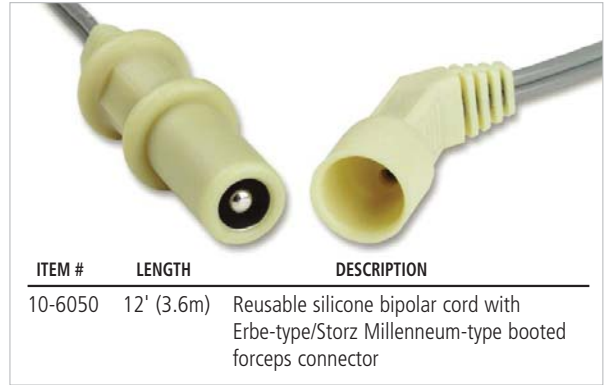
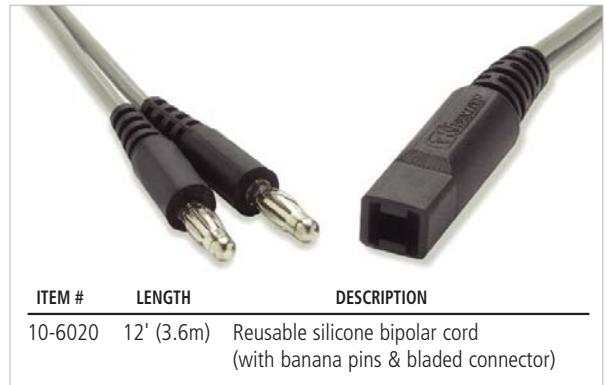
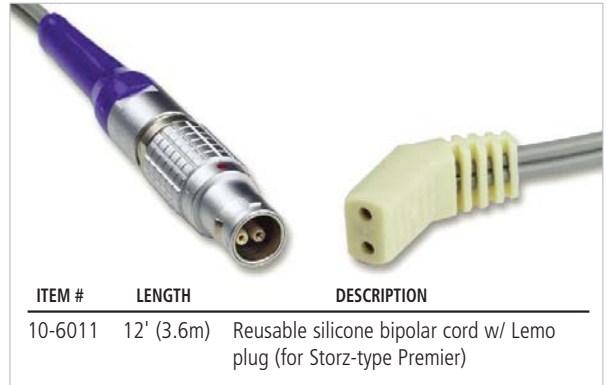
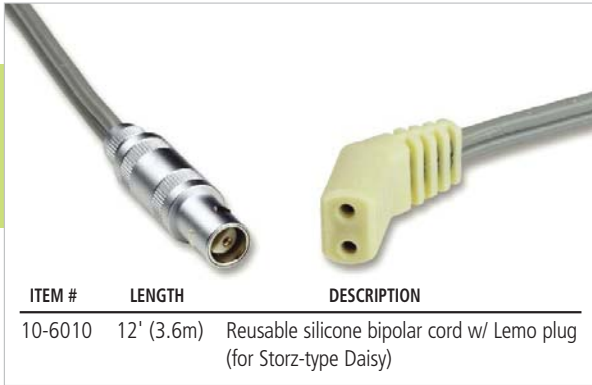


ITEM #	LENGTH	DESCRIPTION
10-6005V	12' (3.6m)	Reusable Kleppinger bipolar cord (for Kleppinger forceps and fixed banana pins, 28.6mm)



ITEM #	LENGTH	DESCRIPTION
10-6006	12' (3.6m)	Reusable Kleppinger bipolar cord (for Kleppinger forceps and Wolf generator)

REUSABLE BIPOLAR CORDS



REUSABLE BIPOLAR CORDS



ITEM #	LENGTH	DESCRIPTION
10-7001	12' (3.6m)	Reusable silicone bipolar handswitch cord



ITEM #	LENGTH	DESCRIPTION
10-7050	6'4" (1.9m)	Reusable blue silicone coaxial cord (for D.O.R.C.-type Phaco)

CORD ADAPTERS



ITEM #	DESCRIPTION
10-6500	Reusable Bipolar Erbe-type/Storz-Millennium-type adapter (Erbe-type to banana pin)



ITEM #	DESCRIPTION
10-6575	Reusable O.M.S.-type Phaco machine adapter






ITEM #	DESCRIPTION
30-5110	Reusable monopolar suction coagulator adapter (banana pin to Bovie)
30-5205	Reusable monopolar suction coagulator adapter (Resectoscope to Bovie)



ITEM #	DESCRIPTION
30-5210	Reusable monopolar suction coagulator adapter (Resectoscope to banana pin)


DISPOSABLE MONOPOLAR CORDS



ITEM #	LENGTH	DESCRIPTION	FEATURES
30-1203	10' (3m)	Disposable monopolar endoscopic cord, sterile green w/ Kirwan plug	
30-1201	10' (3m)	Disposable monopolar endoscopic cord, sterile green w/ straight Kirwan plug	



ITEM #	LENGTH	DESCRIPTION	FEATURES
30-1204	10' (3m)	Disposable monopolar endoscopic cord, sterile green w/ Kirwan plug and banana pin	



ITEM #	LENGTH	DESCRIPTION	FEATURES
30-1208	10' (3m)	Disposable monopolar endoscopic cord, sterile green w/ Luer connector	

REUSABLE MONOPOLAR CORDS




ITEM #	LENGTH	DESCRIPTION
30-1000	10' (3m)	Reusable silicone monopolar cord with Kirwan plug



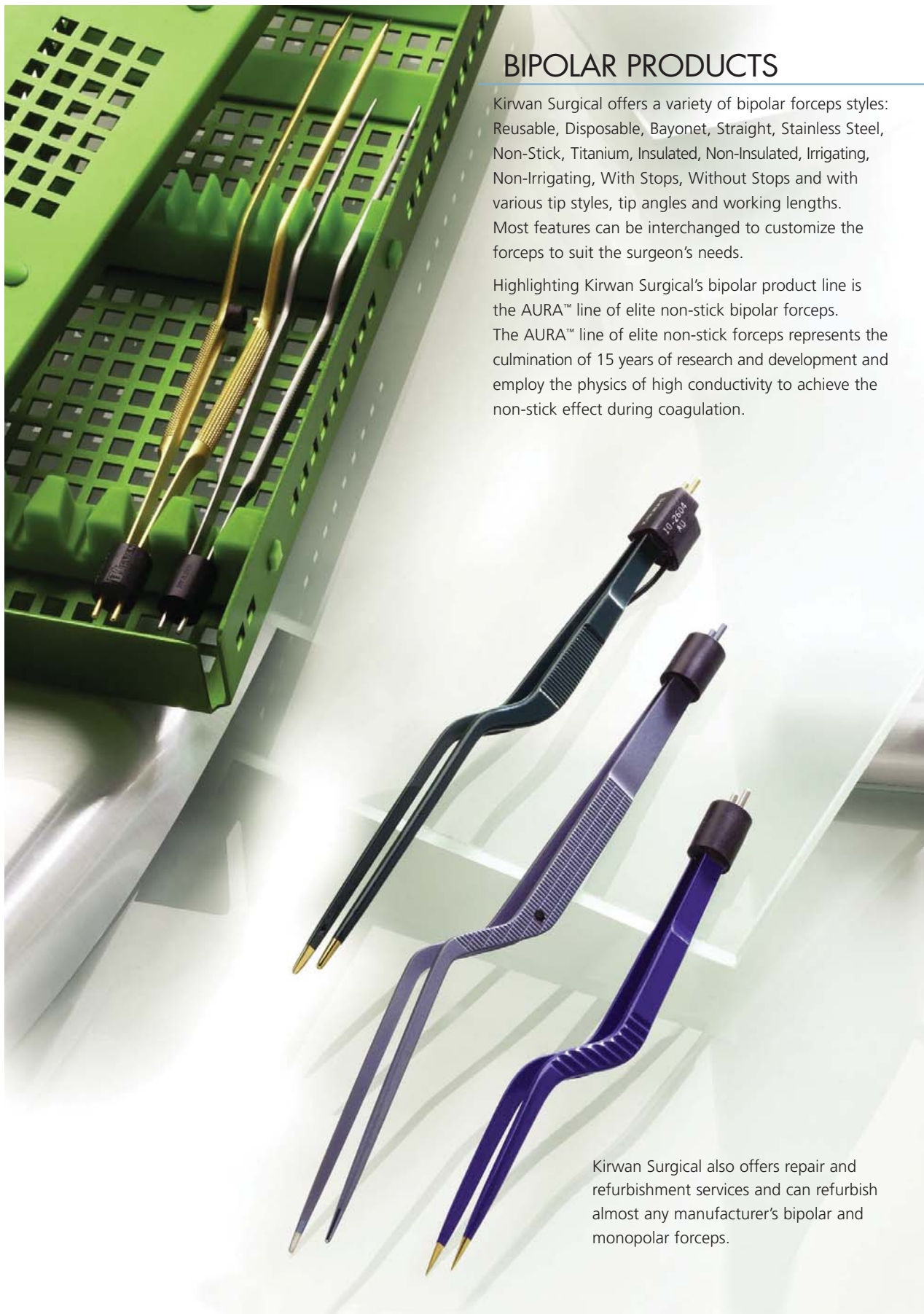
ITEM #	LENGTH	DESCRIPTION
30-1205	10' (3m)	Reusable silicone monopolar endoscopic cord with Kirwan plug



ITEM #	LENGTH	DESCRIPTION
30-1206	10' (3m)	Reusable silicone monopolar endoscopic cord with Kirwan plug & banana pin



ITEM #	LENGTH	DESCRIPTION
30-3003	10' (3m)	Reusable silicone monopolar cord with banana pins



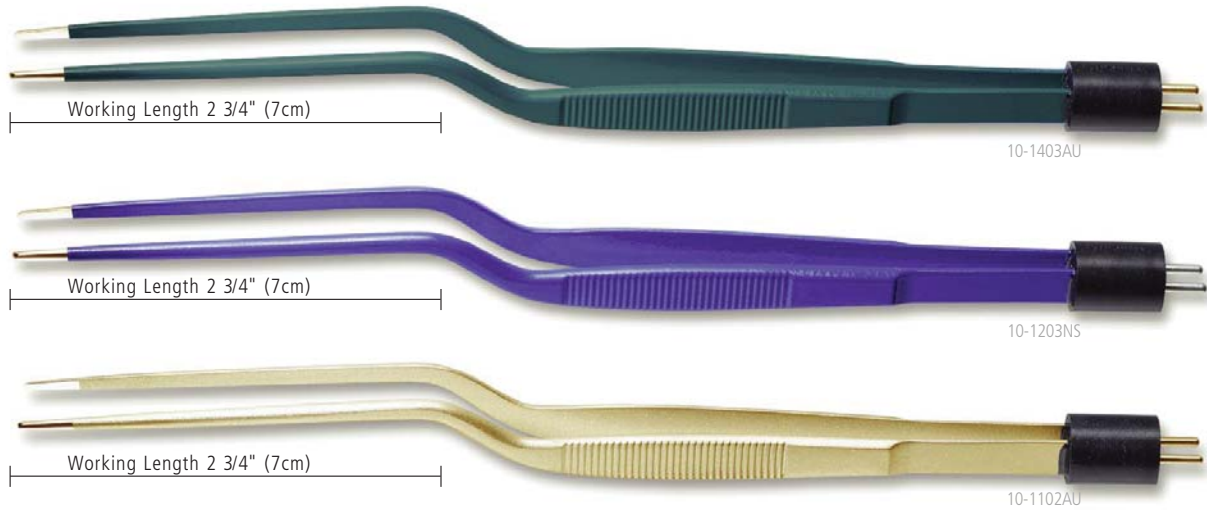
BIPOLAR PRODUCTS

Kirwan Surgical offers a variety of bipolar forceps styles: Reusable, Disposable, Bayonet, Straight, Stainless Steel, Non-Stick, Titanium, Insulated, Non-Insulated, Irrigating, Non-Irrigating, With Stops, Without Stops and with various tip styles, tip angles and working lengths. Most features can be interchanged to customize the forceps to suit the surgeon's needs.

Highlighting Kirwan Surgical's bipolar product line is the AURA™ line of elite non-stick bipolar forceps. The AURA™ line of elite non-stick forceps represents the culmination of 15 years of research and development and employ the physics of high conductivity to achieve the non-stick effect during coagulation.

Kirwan Surgical also offers repair and refurbishment services and can refurbish almost any manufacturer's bipolar and monopolar forceps.

SCOVILLE-GREENWOOD FORCEPS

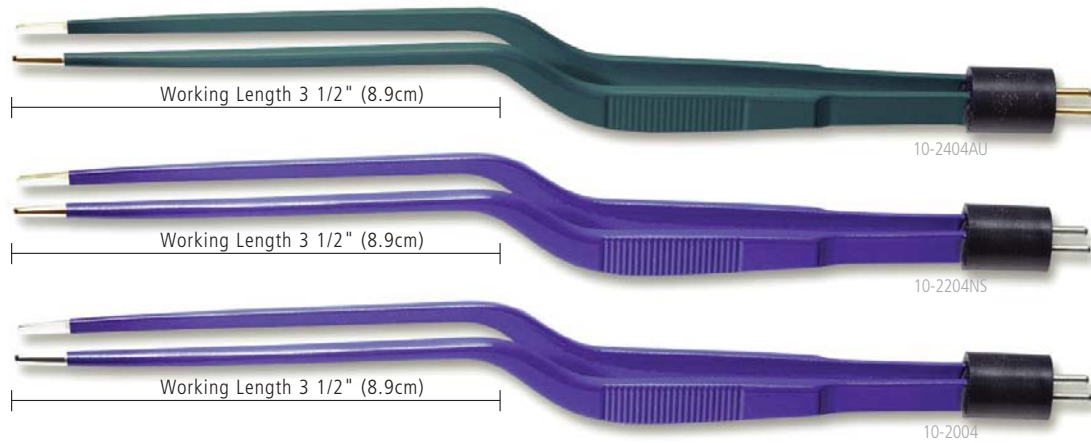


ITEM #	TOTAL LENGTH	DESCRIPTION	TIP	WORKING LENGTH	FEATURES
10-1403AU	7 3/4" (19.7cm)	Scoville-Greenwood bayonet non-stick bipolar forceps, insulated	1.5mm	2 3/4" (7cm)	AU IN
10-1203NS	7 3/4" (19.7cm)	Scoville-Greenwood bayonet non-stick bipolar forceps, insulated	1.5mm	2 3/4" (7cm)	NS IN
10-1003	7 3/4" (19.7cm)	Scoville-Greenwood bayonet bipolar forceps, insulated	1.5mm	2 3/4" (7cm)	SS IN
10-1102AU	7 3/4" (19.7cm)	Scoville-Greenwood bayonet non-stick bipolar forceps	1.5mm	2 3/4" (7cm)	AU
10-1202NS	7 3/4" (19.7cm)	Scoville-Greenwood bayonet non-stick bipolar forceps	1.5mm	2 3/4" (7cm)	NS
10-1002	7 3/4" (19.7cm)	Scoville-Greenwood bayonet bipolar forceps	1.5mm	2 3/4" (7cm)	SS



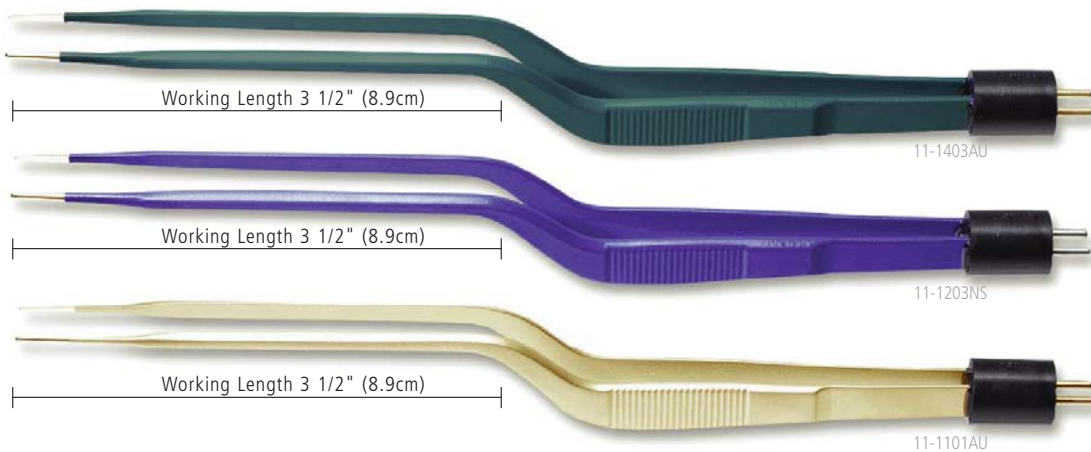
ITEM #	TOTAL LENGTH	DESCRIPTION	TIP	WORKING LENGTH	FEATURES
10-1413AU	7 1/2" (19cm)	Tonsil bayonet non-stick bipolar forceps, insulated	1.5mm	2 1/2" (6.4cm)	AU IN
10-1213NS	7 1/2" (19cm)	Tonsil bayonet non-stick bipolar forceps, insulated	1.5mm	2 1/2" (6.4cm)	NS IN

CUSHING FORCEPS



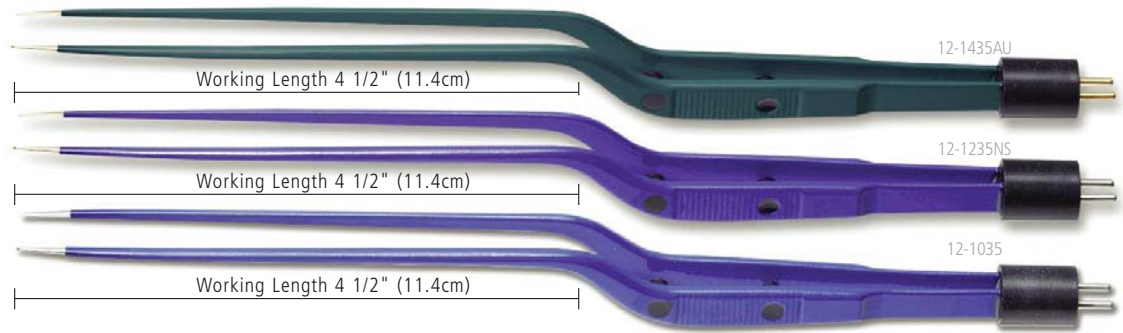
ITEM #	TOTAL LENGTH	DESCRIPTION	TIP	WORKING LENGTH	FEATURES
10-2404AU	7 1/2" (19cm)	Cushing bayonet non-stick bipolar forceps, insulated	2.0mm	3 1/2"(8.9cm)	AU IN
12-1400AU	7 1/2" (19cm)	Cushing bayonet non-stick bipolar forceps, insulated	0.7mm	3 1/2"(8.9cm)	AU IN
10-2204NS	7 1/2" (19cm)	Cushing bayonet non-stick bipolar forceps, insulated	2.0mm	3 1/2"(8.9cm)	NS IN
12-1200NS	7 1/2" (19cm)	Cushing bayonet non-stick bipolar forceps, insulated	0.7mm	3 1/2"(8.9cm)	NS IN
10-2004	7 1/2" (19cm)	Cushing bayonet bipolar forceps, insulated	2.0mm	3 1/2"(8.9cm)	SS IN
12-1000	7 1/2" (19cm)	Cushing bayonet bipolar forceps, insulated	0.7mm	3 1/2"(8.9cm)	SS IN

GERALD FORCEPS



ITEM #	TOTAL LENGTH	DESCRIPTION	TIP	WORKING LENGTH	FEATURES
11-1403AU	7 1/2" (19cm)	Gerald bayonet non-stick bipolar forceps, insulated	1.0mm	3 1/2"(8.9cm)	AU IN
11-1203NS	7 1/2" (19cm)	Gerald bayonet non-stick bipolar forceps, insulated	1.0mm	3 1/2"(8.9cm)	NS IN
11-1003	7 1/2" (19cm)	Gerald bayonet bipolar forceps, insulated	1.0mm	3 1/2"(8.9cm)	SS IN
11-1101AU	7 1/2" (19cm)	Gerald bayonet non-stick bipolar forceps	1.0mm	3 1/2"(8.9cm)	AU
11-1201NS	7 1/2" (19cm)	Gerald bayonet non-stick bipolar forceps	1.0mm	3 1/2"(8.9cm)	NS
11-1001	7 1/2" (19cm)	Gerald bayonet bipolar forceps	1.0mm	3 1/2"(8.9cm)	SS

HARDY FORCEPS



ITEM #	TOTAL LENGTH	DESCRIPTION	TIP	WORKING LENGTH	FEATURES
12-1429AU	8 1/2" (21.6cm)	Hardy bayonet non-stick bipolar forceps, with stop, insulated	2.0mm	4 1/2"(11.4cm)	AU IN
12-1432AU	8 1/2" (21.6cm)	Hardy bayonet non-stick bipolar forceps, with stop, insulated	1.5mm	4 1/2"(11.4cm)	AU IN
12-1433AU	8 1/2" (21.6cm)	Hardy bayonet non-stick bipolar forceps, with stop, insulated	1.2mm	4 1/2"(11.4cm)	AU IN
12-1434AU	8 1/2" (21.6cm)	Hardy bayonet non-stick bipolar forceps, with stop, insulated	0.7mm	4 1/2"(11.4cm)	AU IN
12-1435AU	8 1/2" (21.6cm)	Hardy bayonet non-stick bipolar forceps, with stop, insulated	0.5mm	4 1/2"(11.4cm)	AU IN
12-1235NS	8 1/2" (21.6cm)	Hardy bayonet non-stick bipolar forceps, with stop, insulated	0.5mm	4 1/2"(11.4cm)	NS IN
12-1035	8 1/2" (21.6cm)	Hardy bayonet bipolar forceps, w/ stop, insulated	0.5mm	4 1/2"(11.4cm)	SS IN



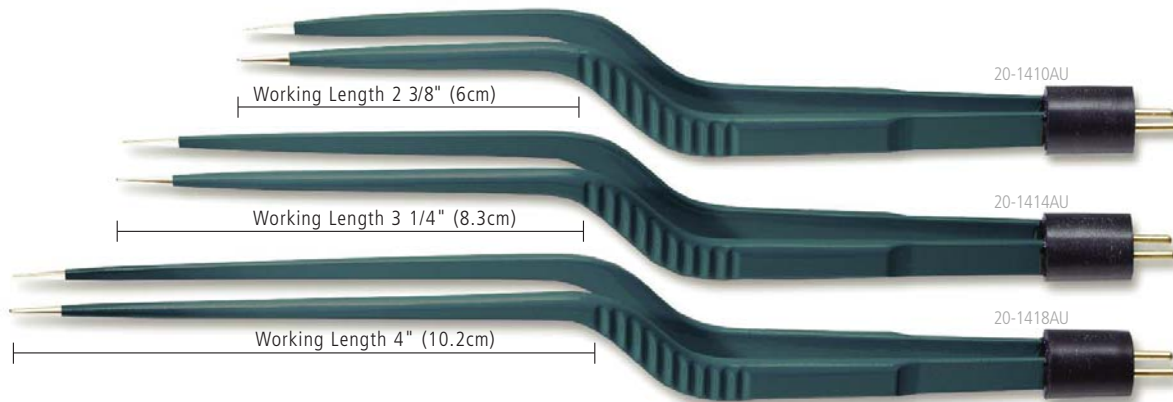
ITEM #	TOTAL LENGTH	DESCRIPTION	TIP	WORKING LENGTH	FEATURES
12-1130AU	8 1/2" (21.6cm)	Hardy bayonet non-stick bipolar forceps with stop	0.5mm	4 1/2"(11.4cm)	AU
12-1131AU	8 1/2" (21.6cm)	Hardy bayonet non-stick bipolar forceps with stop, angled left and up	1.5mm	4 1/2"(11.4cm)	AU
12-1132AU	8 1/2" (21.6cm)	Hardy bayonet non-stick bipolar forceps with stop, angled left	1.5mm	4 1/2"(11.4cm)	AU
12-1230NS	8 1/2" (21.6cm)	Hardy bayonet non-stick bipolar forceps with stop	0.5mm	4 1/2"(11.4cm)	NS
12-1231NS	8 1/2" (21.6cm)	Hardy bayonet non-stick bipolar forceps with stop, angled left and up	1.5mm	4 1/2"(11.4cm)	NS
12-1232NS	8 1/2" (21.6cm)	Hardy bayonet non-stick bipolar forceps with stop, angled left	1.5mm	4 1/2"(11.4cm)	NS
12-1030	8 1/2" (21.6cm)	Hardy bayonet bipolar forceps with stop	0.5mm	4 1/2"(11.4cm)	SS



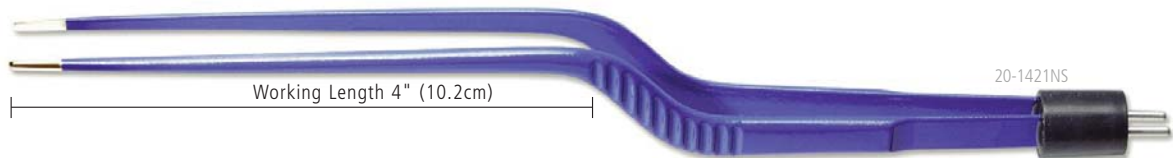
ITEM #	TOTAL LENGTH	DESCRIPTION	TIP	WORKING LENGTH	FEATURES
12-1436AU	9 1/2" (24.1cm)	Hardy bayonet non-stick bipolar forceps w/ stop, insulated	0.5mm	5 1/2"(14cm)	AU IN
12-1437AU	9 1/2" (24.1cm)	Hardy bayonet non-stick bipolar forceps w/ stop, insulated	1.0mm	5 1/2"(14cm)	AU IN
12-1438AU	9 1/2" (24.1cm)	Hardy bayonet non-stick bipolar forceps w/ stop, insulated	1.5mm	5 1/2"(14cm)	AU IN
12-1236NS	9 1/2" (24.1cm)	Hardy bayonet non-stick bipolar forceps w/ stop, insulated	0.5mm	5 1/2"(14cm)	NS IN
12-1237NS	9 1/2" (24.1cm)	Hardy bayonet non-stick bipolar forceps w/ stop, insulated	1.0mm	5 1/2"(14cm)	NS IN
12-1238NS	9 1/2" (24.1cm)	Hardy bayonet non-stick bipolar forceps w/ stop, insulated	1.5mm	5 1/2"(14cm)	NS IN

BIPOLAR PRODUCTS

YASARGIL FORCEPS

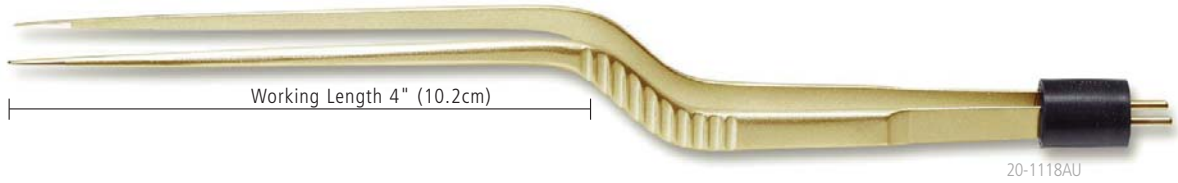


ITEM #	TOTAL LENGTH	DESCRIPTION	TIP	WORKING LENGTH	FEATURES
20-1410AU	6 1/4" (15.9cm)	Yasargil bayonet non-stick bipolar forceps, insulated	0.5mm	2 3/8" (6cm)	AU IN
20-1411AU	6 1/4" (15.9cm)	Yasargil bayonet non-stick bipolar forceps, insulated	0.7mm	2 3/8" (6cm)	AU IN
20-1412AU	6 1/4" (15.9cm)	Yasargil bayonet non-stick bipolar forceps, insulated	1.0mm	2 3/8" (6cm)	AU IN
20-1413AU	6 1/4" (15.9cm)	Yasargil bayonet non-stick bipolar forceps, insulated	1.3mm	2 3/8" (6cm)	AU IN
20-1414AU	7 1/8" (18.1cm)	Yasargil bayonet non-stick bipolar forceps, insulated	0.5mm	3 1/4" (8.3cm)	AU IN
20-1415AU	7 1/8" (18.1cm)	Yasargil bayonet non-stick bipolar forceps, insulated	0.7mm	3 1/4" (8.3cm)	AU IN
20-1416AU	7 1/8" (18.1cm)	Yasargil bayonet non-stick bipolar forceps, insulated	1.0mm	3 1/4" (8.3cm)	AU IN
20-1417AU	7 1/8" (18.1cm)	Yasargil bayonet non-stick bipolar forceps, insulated	1.3mm	3 1/4" (8.3cm)	AU IN
20-1418AU	7 7/8" (20cm)	Yasargil bayonet non-stick bipolar forceps, insulated	0.5mm	4" (10.2cm)	AU IN
20-1419AU	7 7/8" (20cm)	Yasargil bayonet non-stick bipolar forceps, insulated	0.7mm	4" (10.2cm)	AU IN
20-1420AU	7 7/8" (20cm)	Yasargil bayonet non-stick bipolar forceps, insulated	1.0mm	4" (10.2cm)	AU IN
20-1421AU	7 7/8" (20cm)	Yasargil bayonet non-stick bipolar forceps, insulated	1.3mm	4" (10.2cm)	AU IN

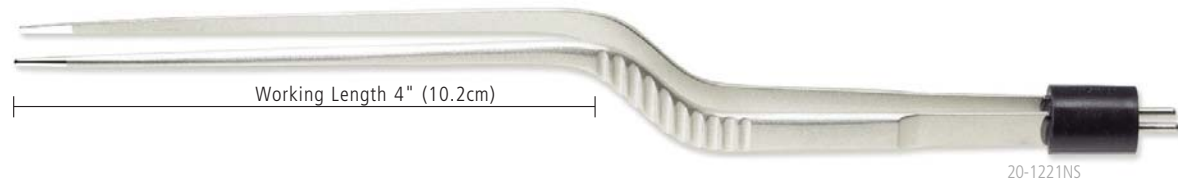


ITEM #	TOTAL LENGTH	DESCRIPTION	TIP	WORKING LENGTH	FEATURES
20-1410NS	6 1/4" (15.9cm)	Yasargil bayonet non-stick bipolar forceps, insulated	0.5mm	2 3/8" (6cm)	NS IN
20-1411NS	6 1/4" (15.9cm)	Yasargil bayonet non-stick bipolar forceps, insulated	0.7mm	2 3/8" (6cm)	NS IN
20-1412NS	6 1/4" (15.9cm)	Yasargil bayonet non-stick bipolar forceps, insulated	1.0mm	2 3/8" (6cm)	NS IN
20-1413NS	6 1/4" (15.9cm)	Yasargil bayonet non-stick bipolar forceps, insulated	1.3mm	2 3/8" (6cm)	NS IN
20-1414NS	7 1/8" (18.1cm)	Yasargil bayonet non-stick bipolar forceps, insulated	0.5mm	3 1/4" (8.3cm)	NS IN
20-1415NS	7 1/8" (18.1cm)	Yasargil bayonet non-stick bipolar forceps, insulated	0.7mm	3 1/4" (8.3cm)	NS IN
20-1416NS	7 1/8" (18.1cm)	Yasargil bayonet non-stick bipolar forceps, insulated	1.0mm	3 1/4" (8.3cm)	NS IN
20-1417NS	7 1/8" (18.1cm)	Yasargil bayonet non-stick bipolar forceps, insulated	1.3mm	3 1/4" (8.3cm)	NS IN
20-1418NS	7 7/8" (20cm)	Yasargil bayonet non-stick bipolar forceps, insulated	0.5mm	4" (10.2cm)	NS IN
20-1419NS	7 7/8" (20cm)	Yasargil bayonet non-stick bipolar forceps, insulated	0.7mm	4" (10.2cm)	NS IN
20-1420NS	7 7/8" (20cm)	Yasargil bayonet non-stick bipolar forceps, insulated	1.0mm	4" (10.2cm)	NS IN
20-1421NS	7 7/8" (20cm)	Yasargil bayonet non-stick bipolar forceps, insulated	1.3mm	4" (10.2cm)	NS IN

YASARGIL FORCEPS

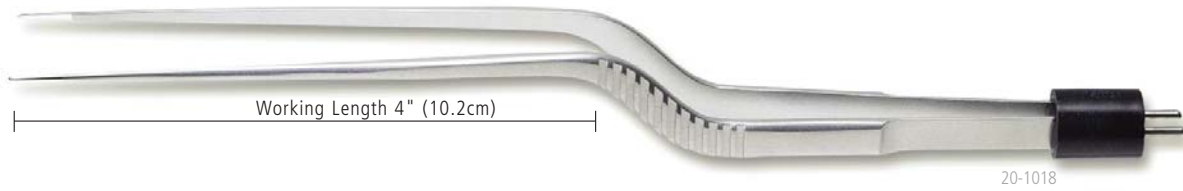


ITEM #	TOTAL LENGTH	DESCRIPTION	TIP	WORKING LENGTH	FEATURES
20-1110AU	6 1/4" (15.9cm)	Yasargil bayonet non-stick bipolar forceps	0.5mm	2 3/8" (6cm)	AU
20-1111AU	6 1/4" (15.9cm)	Yasargil bayonet non-stick bipolar forceps	0.7mm	2 3/8" (6cm)	AU
20-1112AU	6 1/4" (15.9cm)	Yasargil bayonet non-stick bipolar forceps	1.0mm	2 3/8" (6cm)	AU
20-1113AU	6 1/4" (15.9cm)	Yasargil bayonet non-stick bipolar forceps	1.3mm	2 3/8" (6cm)	AU
20-1114AU	7 1/8" (18.1cm)	Yasargil bayonet non-stick bipolar forceps	0.5mm	3 1/4" (8.3cm)	AU
20-1115AU	7 1/8" (18.1cm)	Yasargil bayonet non-stick bipolar forceps	0.7mm	3 1/4" (8.3cm)	AU
20-1116AU	7 1/8" (18.1cm)	Yasargil bayonet non-stick bipolar forceps	1.0mm	3 1/4" (8.3cm)	AU
20-1117AU	7 1/8" (18.1cm)	Yasargil bayonet non-stick bipolar forceps	1.3mm	3 1/4" (8.3cm)	AU
20-1118AU	7 7/8" (20cm)	Yasargil bayonet non-stick bipolar forceps	0.5mm	4" (10.2cm)	AU
20-1119AU	7 7/8" (20cm)	Yasargil bayonet non-stick bipolar forceps	0.7mm	4" (10.2cm)	AU
20-1120AU	7 7/8" (20cm)	Yasargil bayonet non-stick bipolar forceps	1.0mm	4" (10.2cm)	AU
20-1121AU	7 7/8" (20cm)	Yasargil bayonet non-stick bipolar forceps	1.3mm	4" (10.2cm)	AU



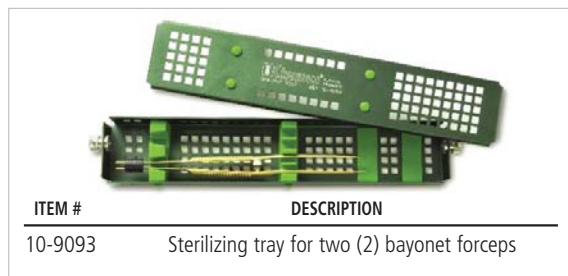
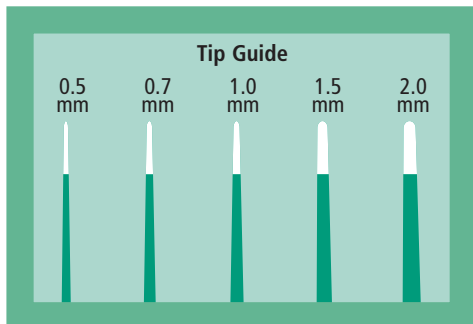
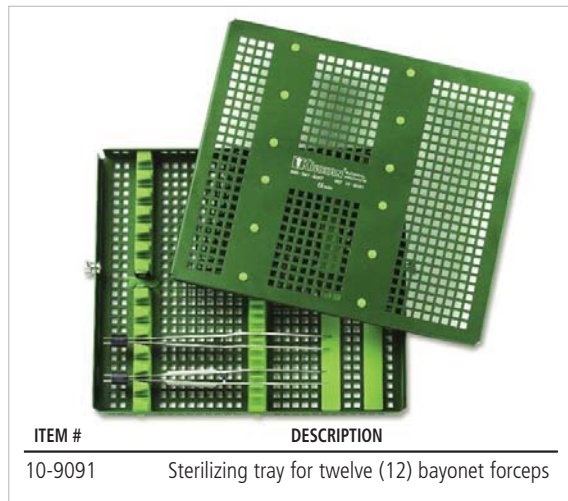
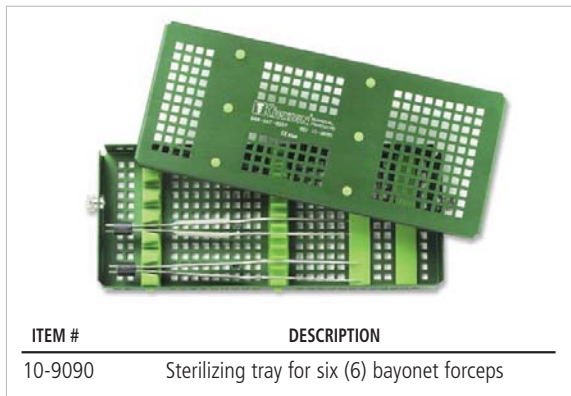
ITEM #	TOTAL LENGTH	DESCRIPTION	TIP	WORKING LENGTH	FEATURES
20-1210NS	6 1/4" (15.9cm)	Yasargil bayonet non-stick bipolar forceps	0.5mm	2 3/8" (6cm)	NS
20-1211NS	6 1/4" (15.9cm)	Yasargil bayonet non-stick bipolar forceps	0.7mm	2 3/8" (6cm)	NS
20-1212NS	6 1/4" (15.9cm)	Yasargil bayonet non-stick bipolar forceps	1.0mm	2 3/8" (6cm)	NS
20-1213NS	6 1/4" (15.9cm)	Yasargil bayonet non-stick bipolar forceps	1.3mm	2 3/8" (6cm)	NS
20-1214NS	7 1/8" (18.1cm)	Yasargil bayonet non-stick bipolar forceps	0.5mm	3 1/4" (8.3cm)	NS
20-1215NS	7 1/8" (18.1cm)	Yasargil bayonet non-stick bipolar forceps	0.7mm	3 1/4" (8.3cm)	NS
20-1216NS	7 1/8" (18.1cm)	Yasargil bayonet non-stick bipolar forceps	1.0mm	3 1/4" (8.3cm)	NS
20-1217NS	7 1/8" (18.1cm)	Yasargil bayonet non-stick bipolar forceps	1.3mm	3 1/4" (8.3cm)	NS
20-1218NS	7 7/8" (20cm)	Yasargil bayonet non-stick bipolar forceps	0.5mm	4" (10.2cm)	NS
20-1219NS	7 7/8" (20cm)	Yasargil bayonet non-stick bipolar forceps	0.7mm	4" (10.2cm)	NS
20-1220NS	7 7/8" (20cm)	Yasargil bayonet non-stick bipolar forceps	1.0mm	4" (10.2cm)	NS
20-1221NS	7 7/8" (20cm)	Yasargil bayonet non-stick bipolar forceps	1.3mm	4" (10.2cm)	NS

YASARGIL FORCEPS



ITEM #	TOTAL LENGTH	DESCRIPTION	TIP	WORKING LENGTH	FEATURES
20-1010	6 1/4" (15.9cm)	Yasargil bayonet bipolar forceps	0.5mm	2 3/8"(6cm)	SS
20-1011	6 1/4" (15.9cm)	Yasargil bayonet bipolar forceps	0.7mm	2 3/8"(6cm)	SS
20-1012	6 1/4" (15.9cm)	Yasargil bayonet bipolar forceps	1.0mm	2 3/8"(6cm)	SS
20-1013	6 1/4" (15.9cm)	Yasargil bayonet bipolar forceps	1.3mm	2 3/8"(6cm)	SS
20-1014	7 1/8" (18.1cm)	Yasargil bayonet bipolar forceps	0.5mm	3 1/4"(8.3cm)	SS
20-1015	7 1/8" (18.1cm)	Yasargil bayonet bipolar forceps	0.7mm	3 1/4"(8.3cm)	SS
20-1016	7 1/8" (18.1cm)	Yasargil bayonet bipolar forceps	1.0mm	3 1/4"(8.3cm)	SS
20-1017	7 1/8" (18.1cm)	Yasargil bayonet bipolar forceps	1.3mm	3 1/4"(8.3cm)	SS
20-1018	7 7/8" (20cm)	Yasargil bayonet bipolar forceps	0.5mm	4"(10.2cm)	SS
20-1019	7 7/8" (20cm)	Yasargil bayonet bipolar forceps	0.7mm	4"(10.2cm)	SS
20-1020	7 7/8" (20cm)	Yasargil bayonet bipolar forceps	1.0mm	4"(10.2cm)	SS
20-1021	7 7/8" (20cm)	Yasargil bayonet bipolar forceps	1.3mm	4"(10.2cm)	SS

STERILIZING TRAYS



AU AURA Elite Non-stick

NS Non-stick

SS Stainless Steel

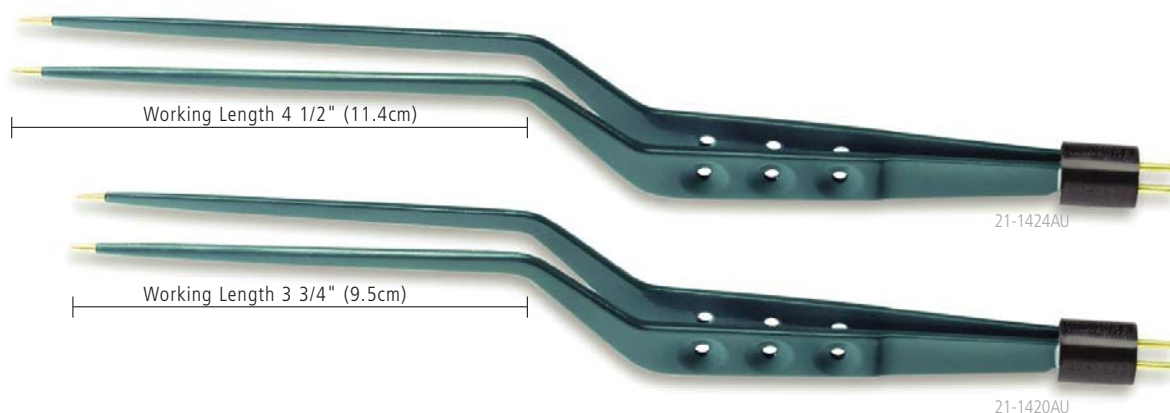
Ti Titanium

IN Insulated

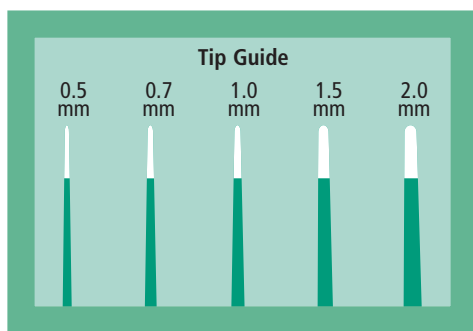
I Irrigated

20 Do Not Re-use

3-HOLE YASARGIL STYLE FORCEPS



ITEM #	TOTAL LENGTH	DESCRIPTION	TIP	WORKING LENGTH	FEATURES
21-1410AU	7" (17.5cm)	3-hole Yasargil style bipolar forceps, insulated	0.5mm	2 3/8"(6cm)	AU IN
21-1411AU	7" (17.5cm)	3-hole Yasargil style bipolar forceps, insulated	0.7mm	2 3/8"(6cm)	AU IN
21-1412AU	7" (17.5cm)	3-hole Yasargil style bipolar forceps, insulated	1.0mm	2 3/8"(6cm)	AU IN
21-1413AU	7" (17.5cm)	3-hole Yasargil style bipolar forceps, insulated	1.3mm	2 3/8"(6cm)	AU IN
21-1414AU	7 3/4" (19.7cm)	3-hole Yasargil style bipolar forceps, insulated	0.5mm	3"(7.5cm)	AU IN
21-1415AU	7 3/4" (19.7cm)	3-hole Yasargil style bipolar forceps, insulated	0.7mm	3"(7.5cm)	AU IN
21-1416AU	7 3/4" (19.7cm)	3-hole Yasargil style bipolar forceps, insulated	1.0mm	3"(7.5cm)	AU IN
21-1417AU	7 3/4" (19.7cm)	3-hole Yasargil style bipolar forceps, insulated	1.3mm	3"(7.5cm)	AU IN
21-1418AU	8 1/2" (21.6cm)	3-hole Yasargil style bipolar forceps, insulated	0.5mm	3 3/4"(9.5cm)	AU IN
21-1419AU	8 1/2" (21.6cm)	3-hole Yasargil style bipolar forceps, insulated	0.7mm	3 3/4"(9.5cm)	AU IN
21-1420AU	8 1/2" (21.6cm)	3-hole Yasargil style bipolar forceps, insulated	1.0mm	3 3/4"(9.5cm)	AU IN
21-1421AU	8 1/2" (21.6cm)	3-hole Yasargil style bipolar forceps, insulated	1.3mm	3 3/4"(9.5cm)	AU IN
21-1422AU	9 1/4" (23.5cm)	3-hole Yasargil style bipolar forceps, insulated	0.5mm	4 1/2"(11.4cm)	AU IN
21-1423AU	9 1/4" (23.5cm)	3-hole Yasargil style bipolar forceps, insulated	0.7mm	4 1/2"(11.4cm)	AU IN
21-1424AU	9 1/4" (23.5cm)	3-hole Yasargil style bipolar forceps, insulated	1.0mm	4 1/2"(11.4cm)	AU IN
21-1425AU	9 1/4" (23.5cm)	3-hole Yasargil style bipolar forceps, insulated	1.3mm	4 1/2"(11.4cm)	AU IN
21-1426AU	10 1/4" (25.5cm)	3-hole Yasargil style bipolar forceps, insulated	0.5mm	5 1/2"(14cm)	AU IN
21-1427AU	10 1/4" (25.5cm)	3-hole Yasargil style bipolar forceps, insulated	0.7mm	5 1/2"(14cm)	AU IN
21-1428AU	10 1/4" (25.5cm)	3-hole Yasargil style bipolar forceps, insulated	1.0mm	5 1/2"(14cm)	AU IN
21-1429AU	10 1/4" (25.5cm)	3-hole Yasargil style bipolar forceps, insulated	1.3mm	5 1/2"(14cm)	AU IN



MALIS STYLE FORCEPS



ITEM #	TOTAL LENGTH	DESCRIPTION	TIP	WORKING LENGTH	FEATURES
10-5401AU	8 3/4" (22cm)	Bayonet non-stick bipolar forceps with stop, insulated	1.5mm	3 3/4" (9.5cm)	AU IN
10-5402AU	8 3/4" (22cm)	Bayonet non-stick bipolar forceps with stop, insulated	0.5mm	3 3/4" (9.5cm)	AU IN
10-5403AU	8 3/4" (22cm)	Bayonet non-stick bipolar forceps with stop, insulated	1.0mm	3 3/4" (9.5cm)	AU IN
10-5405AU	8 3/4" (22cm)	Bayonet non-stick bipolar forceps with stop, insulated	0.25mm	3 3/4" (9.5cm)	AU IN
10-5401NS	8 3/4" (22cm)	Bayonet non-stick bipolar forceps with stop, insulated	1.5mm	3 3/4" (9.5cm)	NS IN
10-5402NS	8 3/4" (22cm)	Bayonet non-stick bipolar forceps with stop, insulated	0.5mm	3 3/4" (9.5cm)	NS IN
10-5403NS	8 3/4" (22cm)	Bayonet non-stick bipolar forceps with stop, insulated	1.0mm	3 3/4" (9.5cm)	NS IN
10-5405NS	8 3/4" (22cm)	Bayonet non-stick bipolar forceps with stop, insulated	0.25mm	3 3/4" (9.5cm)	NS IN
10-5101AU	8 3/4" (22cm)	Bayonet non-stick bipolar forceps with stop	1.5mm	3 3/4" (9.5cm)	AU
10-5102AU	8 3/4" (22cm)	Bayonet non-stick bipolar forceps with stop	0.5mm	3 3/4" (9.5cm)	AU
10-5103AU	8 3/4" (22cm)	Bayonet non-stick bipolar forceps with stop	1.0mm	3 3/4" (9.5cm)	AU
10-5105AU	8 3/4" (22cm)	Bayonet non-stick bipolar forceps with stop	0.25mm	3 3/4" (9.5cm)	AU
10-5201NS	8 3/4" (22cm)	Bayonet non-stick bipolar forceps with stop,	1.5mm	3 3/4" (9.5cm)	NS
10-5202NS	8 3/4" (22cm)	Bayonet non-stick bipolar forceps with stop	0.5mm	3 3/4" (9.5cm)	NS
10-5203NS	8 3/4" (22cm)	Bayonet non-stick bipolar forceps with stop	1.0mm	3 3/4" (9.5cm)	NS
10-5205NS	8 3/4" (22cm)	Bayonet non-stick bipolar forceps with stop	0.25mm	3 3/4" (9.5cm)	NS
15-5101	8 3/4" (22cm)	Titanium bayonet bipolar forceps with stop	1.5mm	3 3/4" (9.5cm)	Ti
15-5102	8 3/4" (22cm)	Titanium bayonet bipolar forceps with stop	0.5mm	3 3/4" (9.5cm)	Ti
15-5103	8 3/4" (22cm)	Titanium bayonet bipolar forceps with stop	1.0mm	3 3/4" (9.5cm)	Ti

AU AURA Elite Non-stick

NS Non-stick

SS Stainless Steel

Ti Titanium

IN Insulated

 Irrigated

 Do Not Re-use

MALIS STYLE FORCEPS

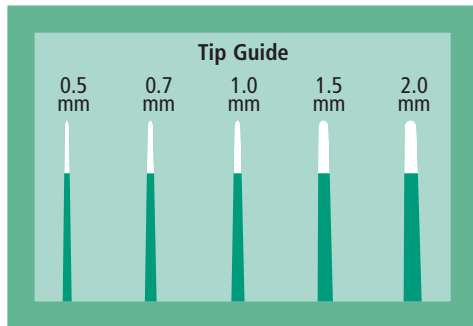


ITEM #	TOTAL LENGTH	DESCRIPTION	TIP	WORKING LENGTH	FEATURES
10-5404AU	8 3/4" (22cm)	Bayonet non-stick bipolar forceps with stop, angled up, insulated	0.5mm	3 3/4" (9.5cm)	AU IN
10-5404NS	8 3/4" (22cm)	Bayonet non-stick bipolar forceps with stop, angled up, insulated	0.5mm	3 3/4" (9.5cm)	NS IN
10-5104AU	8 3/4" (22cm)	Bayonet non-stick bipolar forceps with stop, angled up	0.5mm	3 3/4" (9.5cm)	AU
10-5204NS	8 3/4" (22cm)	Bayonet non-stick bipolar forceps with stop, angled up	0.5mm	3 3/4" (9.5cm)	NS
15-5104	8 3/4" (22cm)	Titanium bayonet bipolar forceps with stop, angled up	0.5mm	3 3/4" (9.5cm)	Ti



ITEM #	TOTAL LENGTH	DESCRIPTION	TIP	WORKING LENGTH	FEATURES
10-5400AU	8 3/4" (22cm)	Bayonet non-stick bipolar forceps with lightweight handle, insulated	1.0mm	3 3/4" (9.5cm)	AU IN
10-5400NS	8 3/4" (22cm)	Bayonet non-stick bipolar forceps with lightweight handle, insulated	1.0mm	3 3/4" (9.5cm)	NS IN
10-5100AU	8 3/4" (22cm)	Bayonet non-stick bipolar forceps with lightweight handle	1.0mm	3 3/4" (9.5cm)	AU
10-5200NS	8 3/4" (22cm)	Bayonet non-stick bipolar forceps with lightweight handle	1.0mm	3 3/4" (9.5cm)	NS

BIPOLAR PRODUCTS



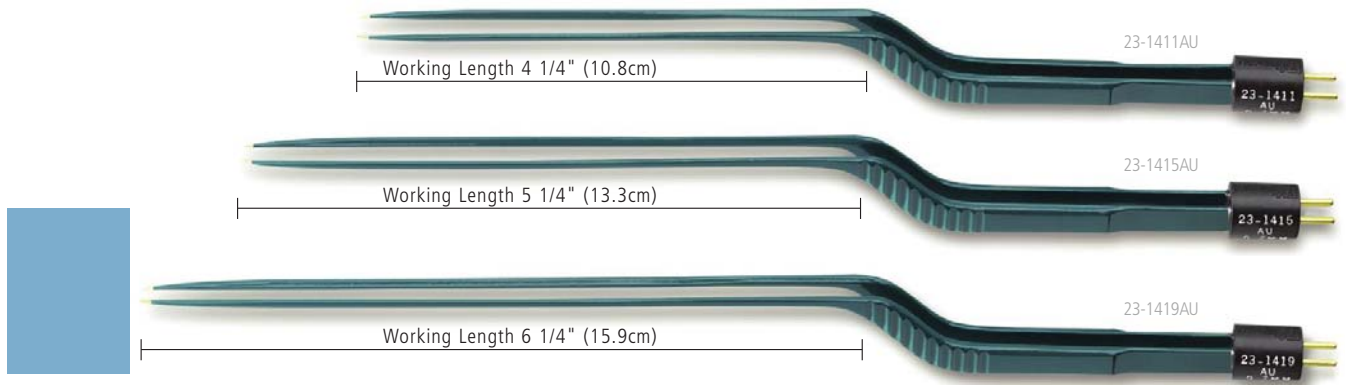
ROUND HANDLE FORCEPS



ITEM #	TOTAL LENGTH	DESCRIPTION	TIP	WORKING LENGTH	FEATURES
12-5100AU	8 1/2" (21.6cm)	Kirwan round handle bayonet non-stick bipolar forceps with stop	0.7mm	3"(7.5cm)	AU
12-5101AU	8 1/2" (21.6cm)	Kirwan round handle bayonet non-stick bipolar forceps with stop	1.0mm	3"(7.5cm)	AU
12-5102AU	8 1/2" (21.6cm)	Kirwan round handle bayonet non-stick bipolar forceps with stop	1.3mm	3"(7.5cm)	AU
12-5103AU	8 1/2" (21.6cm)	Kirwan round handle bayonet non-stick bipolar forceps with stop	1.5mm	3"(7.5cm)	AU
12-5104AU	9 1/2" (24.1cm)	Kirwan round handle bayonet non-stick bipolar forceps with stop	0.7mm	4"(10.2cm)	AU
12-5105AU	9 1/2" (24.1cm)	Kirwan round handle bayonet non-stick bipolar forceps with stop	1.0mm	4"(10.2cm)	AU
12-5106AU	9 1/2" (24.1cm)	Kirwan round handle bayonet non-stick bipolar forceps with stop	1.3mm	4"(10.2cm)	AU
12-5107AU	9 1/2" (24.1cm)	Kirwan round handle bayonet non-stick bipolar forceps with stop	1.5mm	4"(10.2cm)	AU
12-5108AU	10 1/2" (27cm)	Kirwan round handle bayonet non-stick bipolar forceps with stop	0.7mm	5"(12.7cm)	AU
12-5109AU	10 1/2" (27cm)	Kirwan round handle bayonet non-stick bipolar forceps with stop	1.0mm	5"(12.7cm)	AU
12-5110AU	10 1/2" (27cm)	Kirwan round handle bayonet non-stick bipolar forceps with stop	1.3mm	5"(12.7cm)	AU
12-5111AU	10 1/2" (27cm)	Kirwan round handle bayonet non-stick bipolar forceps with stop	1.5mm	5"(12.7cm)	AU



MIS STYLE FORCEPS



ITEM #	TOTAL LENGTH	DESCRIPTION	TIP	WORKING LENGTH	FEATURES
23-1413AU	8 1/2" (21.6cm)	Minimally invasive bipolar forceps, parallel working length, straight	1.2mm	4 1/4"(10.8cm)	AU IN
23-1411AU	8 1/2" (21.6cm)	Minimally invasive bipolar forceps, parallel working length, straight	0.7mm	4 1/4"(10.8cm)	AU IN
23-1431AU	8 1/2" (21.6cm)	Minimally invasive bipolar forceps, parallel working length, angled up 45°	0.7mm	4 1/4"(10.8cm)	AU IN
23-1417AU	9 1/2" (24.1cm)	Minimally invasive bipolar forceps, parallel working length, straight	1.2mm	5 1/4"(13.3cm)	AU IN
23-1415AU	9 1/2" (24.1cm)	Minimally invasive bipolar forceps, parallel working length, straight	0.7mm	5 1/4"(13.3cm)	AU IN
23-1432AU	9 1/2" (24.1cm)	Minimally invasive bipolar forceps, parallel working length, angled up 45°	0.7mm	5 1/4"(13.3cm)	AU IN
23-1421AU	10 1/2" (27cm)	Minimally invasive bipolar forceps, parallel working length, straight	1.2mm	6 1/4"(15.9cm)	AU IN
23-1419AU	10 1/2" (27cm)	Minimally invasive bipolar forceps, parallel working length, straight	0.7mm	6 1/4"(15.9cm)	AU IN
23-1433AU	10 1/2" (27cm)	Minimally invasive bipolar forceps, parallel working length, angled up 45°	0.7mm	6 1/4"(15.9cm)	AU IN

REVERSE ACTION STYLE FORCEPS



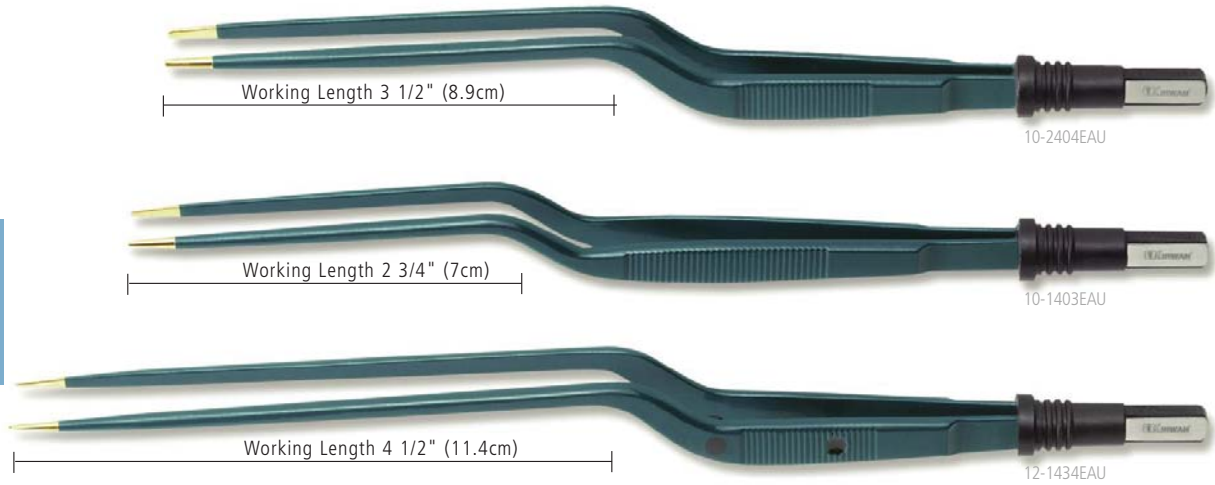
ITEM #	TOTAL LENGTH	DESCRIPTION	TIP	WORKING LENGTH	FEATURES
23-1451AU	10" (25.4cm)	Reverse action style bipolar forceps, insulated	0.7mm	6"(15.2cm)	AU IN
23-1452AU	10" (25.4cm)	Reverse action style bipolar forceps, insulated	1.0mm	6"(15.2cm)	AU IN

TITANIUM AURA FORCEPS

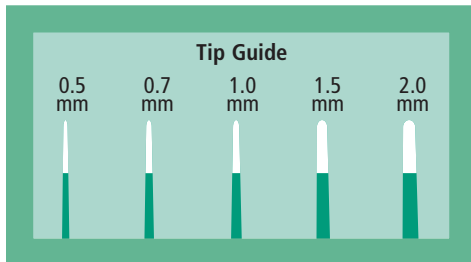


ITEM #	TOTAL LENGTH	DESCRIPTION	TIP	WORKING LENGTH	FEATURES
15-1400AU	7 1/2" (19cm)	Cushing titanium bayonet non-stick bipolar forceps, insulated	0.7mm	3 1/2"(8.9cm)	Ti AU IN
15-2404AU	7 1/2" (19cm)	Cushing titanium bayonet non-stick bipolar forceps, insulated	2.0mm	3 1/2"(8.9cm)	Ti AU IN
15-1403AU	7 3/4" (19.7cm)	Scoville-Greenwood titanium bayonet non-stick bipolar forceps, insulated	1.5mm	2 3/4"(7cm)	Ti AU IN
15-1432AU	8 1/2" (21.6cm)	Hardy titanium bayonet non-stick bipolar forceps with stop, insulated	1.5mm	4 1/2"(11.4cm)	Ti AU IN
15-1433AU	8 1/2" (21.6cm)	Hardy titanium bayonet non-stick bipolar forceps with stop, insulated	1.2mm	4 1/2"(11.4cm)	Ti AU IN
15-1434AU	8 1/2" (21.6cm)	Hardy titanium bayonet non-stick bipolar forceps with stop, insulated	0.7mm	4 1/2"(11.4cm)	Ti AU IN
15-1435AU	8 1/2" (21.6cm)	Hardy titanium bayonet non-stick bipolar forceps with stop, insulated	0.5mm	4 1/2"(11.4cm)	Ti AU IN
15-1436AU	9 1/2" (24.1cm)	Hardy titanium bayonet non-stick bipolar forceps with stop, insulated	0.5mm	5 1/2"(14cm)	Ti AU IN
15-1437AU	9 1/2" (24.1cm)	Hardy titanium bayonet non-stick bipolar forceps with stop, insulated	1.0mm	5 1/2"(14cm)	Ti AU IN
15-1438AU	9 1/2" (24.1cm)	Hardy titanium bayonet non-stick bipolar forceps with stop, insulated	1.5mm	5 1/2"(14cm)	Ti AU IN
15-5401AU	8 3/4" (22cm)	Titanium bayonet non-stick bipolar forceps with stop, insulated	1.5mm	3 3/4"(9.5cm)	Ti AU IN
15-5402AU	8 3/4" (22cm)	Titanium bayonet non-stick bipolar forceps with stop, insulated	0.5mm	3 3/4"(9.5cm)	Ti AU IN
15-5403AU	8 3/4" (22cm)	Titanium bayonet non-stick bipolar forceps with stop, insulated	1.0mm	3 3/4"(9.5cm)	Ti AU IN
15-5404AU	8 3/4" (22cm)	Titanium bayonet non-stick bipolar forceps with stop, insulated, angled up	0.5mm	3 3/4"(9.5cm)	Ti AU IN

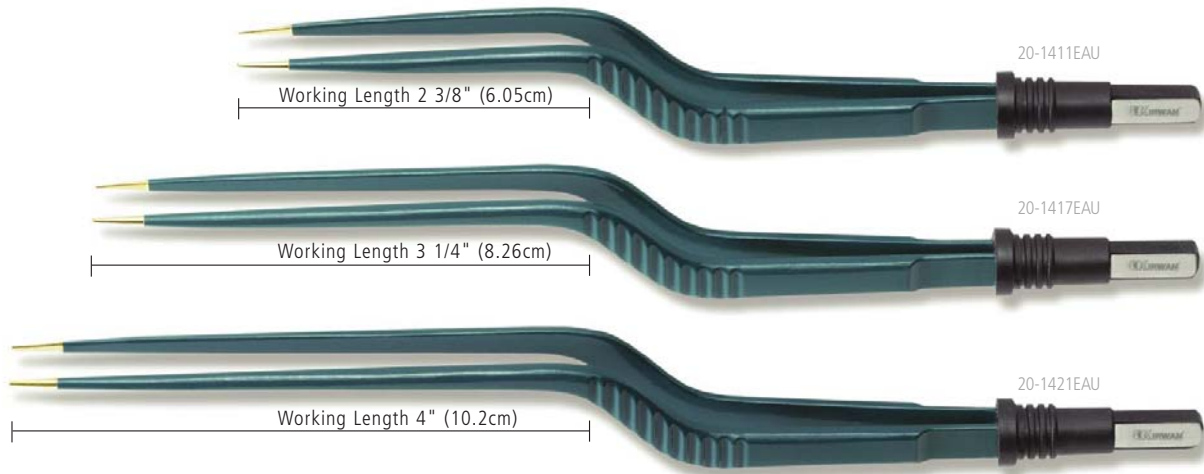
FORCEPS WITH EUROPEAN BLADED CONNECTOR



ITEM #	TOTAL LENGTH	DESCRIPTION	TIP	WORKING LENGTH	FEATURES
10-1403EAU	7 3/4" (19.7cm)	Scoville-Greenwood bayonet non-stick bipolar forceps, insulated, with EU connector	1.5mm	2 3/4"(7cm)	AU IN
12-1400EAU	7 1/2" (19cm)	Cushing bayonet non-stick bipolar forceps, insulated, with EU connector	0.7mm	3 1/2"(8.9cm)	AU IN
10-2404EAU	7 1/2" (19cm)	Cushing bayonet non-stick bipolar forceps, insulated, with EU connector	2.0mm	3 1/2"(8.9cm)	AU IN
10-5400EAU	8 3/4" (22cm)	Bayonet non-stick bipolar forceps, insulated, with lightweight handle, with EU connector	1.0mm	3 3/4"(9.5cm)	AU IN
10-5401EAU	8 3/4" (22cm)	Bayonet non-stick bipolar forceps with stop, insulated, with EU connector	1.5mm	3 3/4"(9.5cm)	AU IN
10-5403EAU	8 3/4" (22cm)	Bayonet non-stick bipolar forceps with stop, insulated, with EU connector	1.0mm	3 3/4"(9.5cm)	AU IN
12-1432EAU	8 1/2" (21.6cm)	Hardy bayonet non-stick bipolar forceps with stop, insulated, with EU connector	1.5mm	4 1/2"(11.4cm)	AU IN
12-1433EAU	8 1/2" (21.6cm)	Hardy bayonet non-stick bipolar forceps with stop, insulated, with EU connector	1.2mm	4 1/2"(11.4cm)	AU IN
12-1434EAU	8 1/2" (21.6cm)	Hardy bayonet non-stick bipolar forceps with stop, insulated, with EU connector	0.7mm	4 1/2"(11.4cm)	AU IN
12-1437EAU	9 1/2" (24.1cm)	Hardy bayonet non-stick bipolar forceps with stop, insulated, with EU connector	1.0mm	5 1/2"(14cm)	AU IN
12-1438EAU	9 1/2" (24.1cm)	Hardy bayonet non-stick bipolar forceps with stop, insulated, with EU connector	1.5mm	5 1/2"(14cm)	AU IN



FORCEPS WITH EUROPEAN BLADED CONNECTOR



ITEM #	TOTAL LENGTH	DESCRIPTION	TIP	WORKING LENGTH	FEATURES
20-1410EAU	6 1/4" (15.9cm)	Yasargil bayonet non-stick bipolar forceps, insulated, with EU connector	0.5mm	2 3/8"(6.05cm)	AU IN
20-1411EAU	6 1/4" (15.9cm)	Yasargil bayonet non-stick bipolar forceps, insulated, with EU connector	0.7mm	2 3/8"(6.05cm)	AU IN
20-1412EAU	6 1/4" (15.9cm)	Yasargil bayonet non-stick bipolar forceps, insulated, with EU connector	1.0mm	2 3/8"(6.05cm)	AU IN
20-1413EAU	6 1/4" (15.9cm)	Yasargil bayonet non-stick bipolar forceps, insulated, with EU connector	1.3mm	2 3/8"(6.05cm)	AU IN
20-1414EAU	7 1/8" (18.1cm)	Yasargil bayonet non-stick bipolar forceps, insulated, with EU connector	0.5mm	3 1/4"(8.26cm)	AU IN
20-1415EAU	7 1/8" (18.1cm)	Yasargil bayonet non-stick bipolar forceps, insulated, with EU connector	0.7mm	3 1/4"(8.26cm)	AU IN
20-1416EAU	7 1/8" (18.1cm)	Yasargil bayonet non-stick bipolar forceps, insulated, with EU connector	1.0mm	3 1/4"(8.26cm)	AU IN
20-1417EAU	7 1/8" (18.1cm)	Yasargil bayonet non-stick bipolar forceps, insulated, with EU connector	1.3mm	3 1/4"(8.26cm)	AU IN
20-1418EAU	7 7/8" (20cm)	Yasargil bayonet non-stick bipolar forceps, insulated, with EU connector	0.5mm	4"(10.2cm)	AU IN
20-1419EAU	7 7/8" (20cm)	Yasargil bayonet non-stick bipolar forceps, insulated, with EU connector	0.7mm	4"(10.2cm)	AU IN
20-1420EAU	7 7/8" (20cm)	Yasargil bayonet non-stick bipolar forceps, insulated, with EU connector	1.0mm	4"(10.2cm)	AU IN
20-1421EAU	7 7/8" (20cm)	Yasargil bayonet non-stick bipolar forceps, insulated, with EU connector	1.3mm	4"(10.2cm)	AU IN



COMPATIBLE CORD

ITEM #	LENGTH	DESCRIPTION
10-6020	12' (3.6m)	Reusable silicone bipolar cord (with banana pins & bladed connector)

STRAIGHT FORCEPS

12-1175AU



ITEM #	TOTAL LENGTH	DESCRIPTION	TIP	FEATURES
12-1175AU	3 1/2" (9cm)	Iris straight non-stick bipolar forceps	0.4mm	AU
12-1275NS	3 1/2" (9cm)	Iris straight non-stick bipolar forceps	0.4mm	NS
12-1075	3 1/2" (9cm)	Iris straight bipolar forceps	0.4mm	SS

12-1180AU



ITEM #	TOTAL LENGTH	DESCRIPTION	TIP	FEATURES
12-1180AU	3 1/2" (9cm)	Iris curved non-stick bipolar forceps	0.4mm	AU
12-1280NS	3 1/2" (9cm)	Iris curved non-stick bipolar forceps	0.4mm	NS
12-1080	3 1/2" (9cm)	Iris curved bipolar forceps	0.4mm	SS

10-3402AU



ITEM #	TOTAL LENGTH	DESCRIPTION	TIP	FEATURES
10-3402AU	4" (10.2cm)	Jewelers straight non-stick bipolar forceps, insulated	0.4mm	AU IN
10-3202NS	4" (10.2cm)	Jewelers straight non-stick bipolar forceps, insulated	0.4mm	NS IN
10-3002	4" (10.2cm)	Jewelers straight bipolar forceps, insulated	0.4mm	SS IN

10-3100AU



ITEM #	TOTAL LENGTH	DESCRIPTION	TIP	FEATURES
10-3100AU	4" (10.2cm)	Jewelers straight non-stick bipolar forceps	0.4mm	AU
10-3200NS	4" (10.2cm)	Jewelers straight non-stick bipolar forceps	0.4mm	NS
10-3000	4" (10.2cm)	Jewelers straight bipolar forceps	0.4mm	SS

10-3101AU



ITEM #	TOTAL LENGTH	DESCRIPTION	TIP	FEATURES
10-3101AU	4" (10.2cm)	Jewelers curved non-stick bipolar forceps	0.4mm	AU
10-3201NS	4" (10.2cm)	Jewelers curved non-stick bipolar forceps	0.4mm	NS
10-3001	4" (10.2cm)	Jewelers curved bipolar forceps	0.4mm	SS

10-3105AU



ITEM #	TOTAL LENGTH	DESCRIPTION	TIP	FEATURES
10-3105AU	4" (10.2cm)	Tenzel non-stick bipolar forceps, with stop	0.4mm	AU
10-3205NS	4" (10.2cm)	Tenzel non-stick bipolar forceps, with stop	0.4mm	NS
10-3005	4" (10.2cm)	Tenzel bipolar forceps, with stop	0.4mm	SS

STRAIGHT FORCEPS

12-1192AU



ITEM #	TOTAL LENGTH	DESCRIPTION	TIP	FEATURES
12-1192AU	4" (10.2cm)	Nadler style coaptation non-stick bipolar forceps, with spacer	0.4mm	AU
12-1292NS	4" (10.2cm)	Nadler style coaptation non-stick bipolar forceps, with spacer	0.4mm	NS
12-1092	4" (10.2cm)	Nadler style coaptation bipolar forceps, with spacer	0.4mm	SS

12-1190AU



ITEM #	TOTAL LENGTH	DESCRIPTION	TIP	FEATURES
12-1190AU	4 1/4" (11cm)	Coaptation non-stick bipolar forceps	0.5mm	AU
12-1290NS	4 1/4" (11cm)	Coaptation non-stick bipolar forceps	0.5mm	NS
12-1090	4 1/4" (11cm)	Coaptation bipolar forceps	0.5mm	SS

12-1195AU



ITEM #	TOTAL LENGTH	DESCRIPTION	TIP	FEATURES
12-1195AU	4 1/4" (11cm)	Coaptation non-stick bipolar forceps, x-fine	0.4mm	AU
12-1295NS	4 1/4" (11cm)	Coaptation non-stick bipolar forceps, x-fine	0.4mm	NS
12-1095	4 1/4" (11cm)	Coaptation bipolar forceps, x-fine	0.4mm	SS

10-3415AU



ITEM #	TOTAL LENGTH	DESCRIPTION	TIP	FEATURES
10-3415AU	5" (13cm)	Adson non-stick bipolar forceps, insulated	1.0mm	AU IN
10-3215NS	5" (13cm)	Adson non-stick bipolar forceps, insulated	1.0mm	NS IN
10-3015	5" (13cm)	Adson bipolar forceps, insulated	1.0mm	SS IN

10-3110AU



ITEM #	TOTAL LENGTH	DESCRIPTION	TIP	FEATURES
10-3110AU	5" (13cm)	Adson non-stick bipolar forceps	1.0mm	AU
10-3210NS	5" (13cm)	Adson non-stick bipolar forceps	1.0mm	NS
10-3010	5" (13cm)	Adson bipolar forceps	1.0mm	SS

12-1140AU



ITEM #	TOTAL LENGTH	DESCRIPTION	TIP	FEATURES
12-1140AU	5 1/2" (14cm)	Semkin straight non-stick bipolar forceps, with stop	0.7mm	AU
12-1240NS	5 1/2" (14cm)	Semkin straight non-stick bipolar forceps, with stop	0.7mm	NS
12-1040	5 1/2" (14cm)	Semkin straight bipolar forceps, with stop	0.7mm	SS



AURA Elite Non-stick



Non-stick



Stainless Steel



Titanium



Insulated



Irrigated



Do Not Re-use

STRAIGHT FORCEPS



ITEM #	TOTAL LENGTH	DESCRIPTION	TIP	FEATURES
10-2100AU	6" (15cm)	Cushing straight non-stick bipolar forceps	0.7mm	AU
10-2200NS	6" (15cm)	Cushing straight non-stick bipolar forceps	0.7mm	NS
10-2000	6" (15cm)	Cushing straight bipolar forceps	0.7mm	SS



ITEM #	TOTAL LENGTH	DESCRIPTION	TIP	FEATURES
12-1445AU	6" (15cm)	Semkin straight non-stick bipolar forceps, insulated	1.5mm	AU IN
12-1245NS	6" (15cm)	Semkin straight non-stick bipolar forceps, insulated	1.5mm	NS IN
12-1045	6" (15cm)	Semkin straight bipolar forceps, insulated	1.5mm	SS IN



ITEM #	TOTAL LENGTH	DESCRIPTION	TIP	FEATURES
11-1402AU	7" (18cm)	Gerald straight non-stick bipolar forceps, insulated	1.0mm	AU IN
11-1202NS	7" (18cm)	Gerald straight non-stick bipolar forceps, insulated	1.0mm	NS IN
11-1002	7" (18cm)	Gerald straight bipolar forceps, insulated	1.0mm	SS IN



ITEM #	TOTAL LENGTH	DESCRIPTION	TIP	FEATURES
11-1100AU	7" (18cm)	Gerald straight non-stick bipolar forceps	1.0mm	AU
11-1200NS	7" (18cm)	Gerald straight non-stick bipolar forceps	1.0mm	NS
11-1000	7" (18cm)	Gerald straight bipolar forceps	1.0mm	SS




ITEM #	TOTAL LENGTH	DESCRIPTION	TIP	FEATURES
10-2402AU	7" (18cm)	Cushing straight non-stick bipolar forceps, insulated	1.5mm	AU IN
10-2202NS	7" (18cm)	Cushing straight non-stick bipolar forceps, insulated	1.5mm	NS IN
10-2002	7" (18cm)	Cushing straight bipolar forceps, insulated	1.5mm	SS IN



ITEM #	TOTAL LENGTH	DESCRIPTION	TIP	FEATURES
10-2101AU	7" (18cm)	Cushing straight non-stick bipolar forceps	1.5mm	AU
10-2201NS	7" (18cm)	Cushing straight non-stick bipolar forceps	1.5mm	NS
10-2001	7" (18cm)	Cushing straight bipolar forceps	1.5mm	SS

TITANIUM STRAIGHT FORCEPS



ITEM #	TOTAL LENGTH	DESCRIPTION	TIP	FEATURES
15-2103	3 1/2" (9cm)	Titanium Jeweler's bipolar forceps, 30 degree angled	0.4mm	Ti



ITEM #	TOTAL LENGTH	DESCRIPTION	TIP	FEATURES
15-2104	3 1/2" (9cm)	Titanium Jeweler's bipolar forceps, curved	0.4mm	Ti



ITEM #	TOTAL LENGTH	DESCRIPTION	TIP	FEATURES
15-2105	3 1/2" (9cm)	Titanium Jeweler's bipolar forceps, straight	0.4mm	Ti



ITEM #	TOTAL LENGTH	DESCRIPTION	TIP	FEATURES
15-2107	3 3/4" (9.5cm)	Titanium Iris bipolar forceps, with stop, curved	0.5mm	Ti



ITEM #	TOTAL LENGTH	DESCRIPTION	TIP	FEATURES
15-2108	3 3/4" (9.5cm)	Titanium eye bipolar forceps, with stop	0.4mm	Ti



ITEM #	TOTAL LENGTH	DESCRIPTION	TIP	FEATURES
15-2109	4" (10.2cm)	Titanium coaptation bipolar forceps, with stop, curved	0.5mm	Ti



ITEM #	TOTAL LENGTH	DESCRIPTION	TIP	FEATURES
15-3103	4 1/4" (10.8cm)	Titanium Jeweler's bipolar forceps, 90 degree angled	0.4mm	Ti

TITANIUM STRAIGHT FORCEPS



ITEM #	TOTAL LENGTH	DESCRIPTION	TIP	FEATURES
15-3104	4 1/4" (10.8cm)	Titanium Jewelers bipolar forceps, straight	0.4mm	Ti



ITEM #	TOTAL LENGTH	DESCRIPTION	TIP	FEATURES
15-3110	4 1/2" (11.4cm)	Titanium bipolar forceps, straight	0.4mm	Ti



ITEM #	TOTAL LENGTH	DESCRIPTION	TIP	FEATURES
15-3109	4 1/2" (11.4cm)	Titanium bipolar forceps, reverse angle	0.4mm	Ti



ITEM #	TOTAL LENGTH	DESCRIPTION	TIP	FEATURES
15-3101	4 3/4" (12.1cm)	Titanium bipolar forceps, with wide serrations, straight	0.4mm	Ti



ITEM #	TOTAL LENGTH	DESCRIPTION	TIP	FEATURES
15-3105	4 3/4" (12.1cm)	Titanium bipolar forceps, with fine serrations, straight	0.4mm	Ti



ITEM #	TOTAL LENGTH	DESCRIPTION	TIP	FEATURES
15-5110	6" (15.2cm)	Titanium bipolar forceps, straight	0.25mm	Ti
15-5112	6" (15.2cm)	Titanium bipolar forceps, straight	0.5mm	Ti

BIPOlar PRODUCTS

OVER MOLDED FORCEPS

14-3000



ITEM #	TOTAL LENGTH	DESCRIPTION	TIP	FEATURES
14-3000	4" (10.2cm)	Disposable Jewelers/Iris non-stick bipolar forceps, straight	0.4mm	IN 2
16-3000	4" (10.2cm)	Reusable TPR Jewelers/Iris non-stick bipolar forceps, straight	0.4mm	IN

14-1080



ITEM #	TOTAL LENGTH	DESCRIPTION	TIP	FEATURES
14-1080	4" (10.2cm)	Disposable Jewelers/Iris non-stick bipolar forceps, curved	0.4mm	IN 2
16-1080	4" (10.2cm)	Reusable TPR Jewelers/Iris non-stick bipolar forceps, curved	0.4mm	IN

14-1090



ITEM #	TOTAL LENGTH	DESCRIPTION	TIP	FEATURES
14-1090	4" (10.2cm)	Disposable coaptation non-stick bipolar forceps, straight	0.4mm	IN 2
16-1090	4" (10.2cm)	Reusable TPR coaptation non-stick bipolar forceps, straight	0.4mm	IN

14-2001



ITEM #	TOTAL LENGTH	DESCRIPTION	TIP	FEATURES
14-2001	5 1/2" (14cm)	Disposable Semkin non-stick bipolar forceps w/ 12' cord, straight	0.7mm	IN 2
16-2000	5 1/2" (14cm)	Reusable TPR Semkin non-stick bipolar forceps, straight	0.7mm	IN

14-2103



ITEM #	TOTAL LENGTH	DESCRIPTION	TIP	FEATURES
14-2103	7" (18cm)	Disposable Cushing non-stick bipolar forceps with 12' cord, straight	1.5mm	IN 2
16-2102	7" (18cm)	Reusable TPR Cushing non-stick bipolar forceps, straight	1.5mm	IN



OVER MOLDED FORCEPS

14-1213



ITEM #	TOTAL LENGTH	DESCRIPTION	TIP	WORKING LENGTH	FEATURES
14-1213	7 1/2" (19cm)	Disposable tonsil bayonet non-stick bipolar forceps with 12' cord	1.5mm	2 5/8" (6.7cm)	IN
16-1213	7 1/2" (19cm)	Reusable TPR tonsil bayonet non-stick bipolar forceps	1.5mm	2 5/8" (6.7cm)	IN

14-4103



ITEM #	TOTAL LENGTH	DESCRIPTION	TIP	WORKING LENGTH	FEATURES
14-4103	7 3/4" (19.7cm)	Disposable Scoville-Greenwood bayonet non-stick bipolar forceps with 12' cord	1.5mm	3" (7.5cm)	IN
14-4404	7 3/4" (19.7cm)	Disposable Scoville-Greenwood bayonet bipolar forceps with 12' cord	1.5mm	3" (7.5cm)	SS IN
16-4102	7 3/4" (19.7cm)	Reusable TPR Scoville-Greenwood bayonet non-stick bipolar forceps	1.5mm	3" (7.5cm)	IN
16-4403	7 3/4" (19.7cm)	Reusable TPR Scoville-Greenwood bayonet bipolar forceps	1.5mm	3" (7.5cm)	SS IN

14-4003



ITEM #	TOTAL LENGTH	DESCRIPTION	TIP	WORKING LENGTH	FEATURES
14-4003	8 1/4" (21cm)	Disposable Gerald bayonet non-stick bipolar forceps with 12' cord	1.0mm	3 1/2" (8.9cm)	IN
16-4002	8 1/4" (21cm)	Reusable TPR Gerald bayonet non-stick bipolar forceps	1.0mm	3 1/2" (8.9cm)	IN

14-1031



ITEM #	TOTAL LENGTH	DESCRIPTION	TIP	WORKING LENGTH	FEATURES
14-1031	9" (22.9cm)	Disposable Hardy bayonet non-stick bipolar forceps with 12' cord	0.7mm	4" (10.2cm)	IN
16-1030	9" (22.9cm)	Reusable TPR Hardy bayonet non-stick bipolar forceps	0.7mm	4" (10.2cm)	IN



LIBERTY[®]

DISPOSABLE FORCEPS

Kirwan Surgical's successful Liberty[®] Disposable Forceps are manufactured using the same procedures as our high-quality reusable forceps. Superior in look, feel and finish and available in many styles, each forceps comes standard with a detachable cord.

- Freedom From High Prices
- Freedom From Autoclaving and Reprocessing
- Freedom From Repeated Handling
- Freedom From Repair

Liberty AURA Elite[®] Non-Stick Disposable Bipolar Forceps

offer advanced non-stick technology in a disposable forceps. This product line is the perfect marriage of the popular Liberty[®] disposable bipolar forceps with the widely acclaimed AURA Elite[®] non-stick reusable bipolar forceps. Like Kirwan's AURA Elite[®] reusable bipolar forceps, these disposable forceps rapidly conduct energy and heat away from the tips. As a result, tissue is not coagulated onto the tips, and the non-stick effect is ensured. Liberty AURA Elite[®] Non-Stick Disposable Bipolar Forceps are insulated, include a 12-foot detachable cord and are sterile-packaged five to a pack.

- Non-stick disposable at affordable prices
- Complete out of the package with attached cord
- Comparable in size to a standard reusable forceps



Liberty AURA Elite[®]



ITEM #	TOTAL LENGTH	DESCRIPTION	TIP	WORKING LENGTH	FEATURES
19-1003AU	7 3/4" (19.7cm)	Disposable Scoville bayonet non-stick bipolar forceps, insulated with 12' cord	1.5mm	2 3/4" (7cm)	AU IN
19-1103AU	7 1/2" (19cm)	Disposable Gerald bayonet non-stick bipolar forceps, insulated with 12' cord	1.0mm	3 1/2" (8.9cm)	AU IN
19-1200AU	7 1/2" (19cm)	Disposable Cushing bayonet non-stick bipolar forceps, insulated with 12' cord	0.7mm	3 1/2" (8.9cm)	AU IN
19-2004AU	7 1/2" (19cm)	Disposable Cushing bayonet non-stick bipolar forceps, insulated with 12' cord	2.0mm	3 1/2" (8.9cm)	AU IN
19-1227AU	8 1/2" (21.6cm)	Disposable Hardy bayonet non-stick bipolar forceps, insulated with 12' cord	0.5mm	4 1/2" (11.4cm)	AU IN
19-1228AU	8 1/2" (21.6cm)	Disposable Hardy bayonet non-stick bipolar forceps, insulated with 12' cord	1.0mm	4 1/2" (11.4cm)	AU IN
19-1229AU	8 1/2" (21.6cm)	Disposable Hardy bayonet non-stick bipolar forceps, insulated with 12' cord	1.5mm	4 1/2" (11.4cm)	AU IN
19-1230AU	8 1/2" (21.6cm)	Disposable Hardy bayonet non-stick bipolar forceps, insulated with 12' cord	0.7mm	4 1/2" (11.4cm)	AU IN
19-1231AU	8 1/2" (21.6cm)	Disposable Hardy bayonet non-stick bipolar forceps, insulated with 12' cord	2.0mm	4 1/2" (11.4cm)	AU IN
19-1235AU	10" (25.4cm)	Disposable Hardy bayonet non-stick bipolar forceps, insulated with 12' cord	1.0mm	5 3/4" (14.6cm)	AU IN
19-1236AU	10" (25.4cm)	Disposable Hardy bayonet non-stick bipolar forceps, insulated with 12' cord	1.5mm	5 3/4" (14.6cm)	AU IN
19-3002AU	4" (10.2cm)	Disposable Jewelers non-stick bipolar straight forceps, insulated with 12' cord	0.4mm		AU IN
19-3010AU	5" (13cm)	Disposable Adson non-stick bipolar forceps, insulated with 12' cord	1.0mm		AU IN
19-1240AU	5 1/2" (14cm)	Disposable Semkin non-stick bipolar forceps, insulated with 12' cord	0.7mm		AU IN
19-2000AU	6" (15.2cm)	Disposable Cushing non-stick bipolar forceps, insulated with 12' cord	1.0mm		AU IN
19-2002AU	7" (17.5cm)	Disposable Cushing non-stick bipolar forceps, insulated with 12' cord	1.5mm		AU IN

BIPOLAR PRODUCTS

19-1275



ITEM #	TOTAL LENGTH	DESCRIPTION	TIP	FEATURES
19-1275C	3 1/2" (8.9cm)	Disposable Iris bipolar forceps, insulated with 12' cord	0.4mm	SS IN
19-1275	3 1/2" (8.9cm)	Disposable Iris bipolar forceps with 12' cord	0.4mm	SS

19-1280



ITEM #	TOTAL LENGTH	DESCRIPTION	TIP	FEATURES
19-1280C	3 1/2" (8.9cm)	Disposable Iris curved bipolar forceps, insulated with 12' cord	0.4mm	SS IN
19-1280	3 1/2" (8.9cm)	Disposable Iris curved bipolar forceps with 12' cord	0.4mm	SS

19-3002



ITEM #	TOTAL LENGTH	DESCRIPTION	TIP	FEATURES
19-3002C	4" (10.2cm)	Disposable jewelers straight bipolar forceps, insulated with 12' cord	0.4mm	SS IN
19-3002	4" (10.2cm)	Disposable jewelers straight bipolar forceps with 12' cord	0.4mm	SS

19-1290



ITEM #	TOTAL LENGTH	DESCRIPTION	TIP	FEATURES
19-1290C	4 1/2" (11.4cm)	Disposable coaptation bipolar forceps, insulated with 12' cord	0.5mm	SS IN
19-1290	4 1/2" (11.4cm)	Disposable coaptation bipolar forceps with 12' cord	0.5mm	SS
19-1295C	4 1/2" (11.4cm)	Disposable coaptation bipolar forceps, insulated x-fine with 12' cord	0.4mm	SS IN
19-1295	4 1/2" (11.4cm)	Disposable coaptation bipolar forceps, x-fine, with 12' cord	0.4mm	SS



19-3010C



ITEM #	TOTAL LENGTH	DESCRIPTION	TIP	FEATURES
19-3010C	5" (13cm)	Disposable Adson bipolar forceps, insulated with 12' cord	1.0mm	SS IN
19-3010	5" (13cm)	Disposable Adson bipolar forceps with 12' cord	1.0mm	SS

19-1240



ITEM #	TOTAL LENGTH	DESCRIPTION	TIP	FEATURES
19-1240C	5 1/2" (14cm)	Disposable Semkin bipolar forceps, insulated with 12' cord	0.7mm	SS IN
19-1240	5 1/2" (14cm)	Disposable Semkin bipolar forceps with 12' cord	0.7mm	SS

19-2000



ITEM #	TOTAL LENGTH	DESCRIPTION	TIP	FEATURES
19-2000C	6" (15cm)	Disposable Cushing bipolar forceps, insulated with 12' cord	1.0mm	SS IN
19-2000	6" (15cm)	Disposable Cushing bipolar forceps with 12' cord	1.0mm	SS
19-2002C	7" (18cm)	Disposable Cushing bipolar forceps, insulated with 12' cord	1.5mm	SS IN
19-2002	7" (18cm)	Disposable Cushing bipolar forceps with 12' cord	1.5mm	SS



19-1003C



ITEM #	TOTAL LENGTH	DESCRIPTION	TIP	WORKING LENGTH	FEATURES
19-1003C	7 3/4" (19.7cm)	Disposable Scoville bayonet bipolar forceps, insulated with 12' cord	1.5mm	2 3/4" (7cm)	SS IN
19-1003	7 3/4" (19.7cm)	Disposable Scoville bayonet bipolar forceps w/12' cord	1.5mm	2 3/4" (7cm)	SS













19-1200C

ITEM #	TOTAL LENGTH	DESCRIPTION	TIP	WORKING LENGTH	FEATURES
19-1200C	7 1/2" (19cm)	Disposable Cushing bayonet bipolar forceps, insulated with 12' cord	0.7mm	3 1/2" (8.9cm)	SS IN
19-1200	7 1/2" (19cm)	Disposable Cushing bayonet bipolar forceps w/ 12' cord	0.7mm	3 1/2" (8.9cm)	SS
19-2004C	7 1/2" (19cm)	Disposable Cushing bayonet bipolar forceps, insulated with 12' cord	2.0mm	3 1/2" (8.9cm)	SS IN
19-2004	7 1/2" (19cm)	Disposable Cushing bayonet bipolar forceps w/ 12' cord	2.0mm	3 1/2" (8.9cm)	SS







ITEM #	TOTAL LENGTH	DESCRIPTION	TIP	WORKING LENGTH	FEATURES
19-1103C	7 1/2" (19cm)	Disposable Gerald bayonet bipolar forceps, insulated with 12' cord	1.0mm	3 1/2" (8.9cm)	SS IN 
19-1103	7 1/2" (19cm)	Disposable Gerald bayonet bipolar forceps with 12' cord	1.0mm	3 1/2" (8.9cm)	SS 



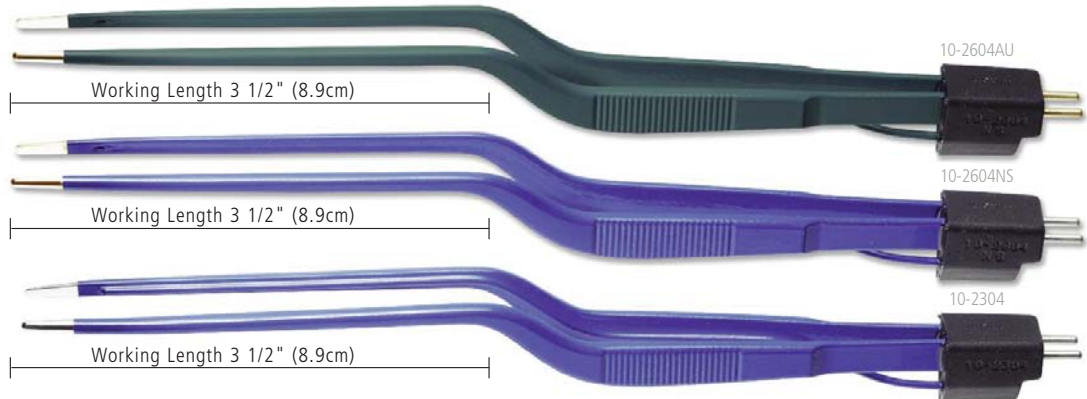
ITEM #	TOTAL LENGTH	DESCRIPTION	TIP	WORKING LENGTH	FEATURES
19-1228C	8 1/2" (21.6cm)	Disposable Hardy bayonet bipolar forceps, insulated with 12' cord	1.0mm	4 1/2" (11.4cm)	SS IN 
19-1228	8 1/2" (21.6cm)	Disposable Hardy bayonet bipolar forceps w/ 12' cord	1.0mm	4 1/2" (11.4cm)	SS 
19-1229C	8 1/2" (21.6cm)	Disposable Hardy bayonet bipolar forceps, insulated with 12' cord	1.5mm	4 1/2" (11.4cm)	SS IN 
19-1229	8 1/2" (21.6cm)	Disposable Hardy bayonet bipolar forceps w/ 12' cord	1.5mm	4 1/2" (11.4cm)	SS 
19-1230C	8 1/2" (21.6cm)	Disposable Hardy bayonet bipolar forceps, insulated with 12' cord	0.5mm	4 1/2" (11.4cm)	SS IN 
19-1230	8 1/2" (21.6cm)	Disposable Hardy bayonet bipolar forceps w/ 12' cord	0.5mm	4 1/2" (11.4cm)	SS 
19-1231C	8 1/2" (21.6cm)	Disposable Hardy bayonet bipolar forceps, insulated with 12' cord	2.0mm	4 1/2" (11.4cm)	SS IN 
19-1235C	10" (25.4cm)	Disposable Hardy bayonet bipolar forceps, insulated with 12' cord	1.0mm	5 3/4" (14.6cm)	SS IN 
19-1235	10" (25.4cm)	Disposable Hardy bayonet bipolar forceps w/ 12' cord	1.0mm	5 3/4" (14.6cm)	SS 
19-1236C	10" (25.4cm)	Disposable Hardy bayonet bipolar forceps, insulated with 12' cord	1.5mm	5 3/4" (14.6cm)	SS IN 

19-4601 Irrigation line for non-insulated Liberty forceps, sterile 
 19-4601C Irrigation line for insulated Liberty forceps, sterile 



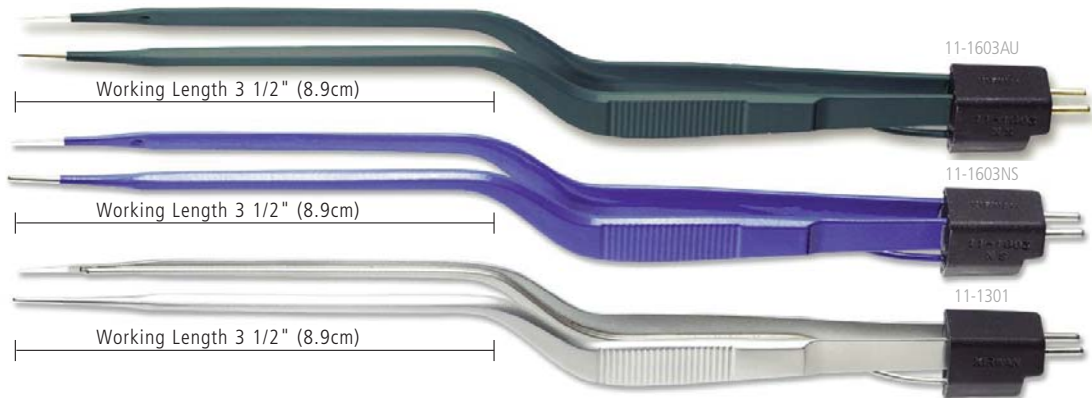
ITEM #	TOTAL LENGTH	DESCRIPTION	TIP	WORKING LENGTH	FEATURES
19-8020C	9" (22.9cm)	Disposable bayonet monopolar forceps, insulated, straight, serrated, with 10' cord	2.0mm	4 1/4" (10.8cm)	SS IN 
19-8021C	9" (22.9cm)	Disposable bayonet monopolar forceps, insulated with 10' cord	1.0mm	4 1/4" (10.8cm)	SS IN 
19-8025C	9" (22.9cm)	Disposable bayonet monopolar forceps, insulated, angled up and serrated with 10' cord	2.0mm	4 1/4" (10.8cm)	SS IN 
19-8026C	9" (22.9cm)	Disposable bayonet monopolar curved forceps, insulated with 10' cord	1.0mm	4 1/4" (10.8cm)	SS IN 

CUSHING IRRIGATING BIPOLAR FORCEPS



ITEM #	TOTAL LENGTH	DESCRIPTION	TIP	WORKING LENGTH	FEATURES
10-2604AU	7 1/2" (19cm)	Cushing bayonet non-stick bipolar forceps buried irrigation, insulated	2.0mm	3 1/2"(8.9cm)	AU IN
10-2604NS	7 1/2" (19cm)	Cushing bayonet non-stick bipolar forceps buried irrigation, insulated	2.0mm	3 1/2"(8.9cm)	NS IN
10-2304	7 1/2" (19cm)	Cushing bayonet bipolar forceps, buried irrigation, insulated	2.0mm	3 1/2"(8.9cm)	SS IN
12-1600AU	7 1/2" (19cm)	Cushing bayonet non-stick bipolar forceps buried irrigation, insulated	0.7mm	3 1/2"(8.9cm)	AU IN
12-1600NS	7 1/2" (19cm)	Cushing bayonet non-stick bipolar forceps buried irrigation, insulated	0.7mm	3 1/2"(8.9cm)	NS IN
12-1300	7 1/2" (19cm)	Cushing bayonet bipolar forceps, irrigating, insulated	0.7mm	3 1/2"(8.9cm)	SS IN

GERALD IRRIGATING BIPOLAR FORCEPS



ITEM #	TOTAL LENGTH	DESCRIPTION	TIP	WORKING LENGTH	FEATURES
11-1603AU	7 1/2" (19cm)	Gerald bayonet non-stick bipolar forceps buried irrigation, insulated	1.0mm	3 1/2"(8.9cm)	AU IN
11-1603NS	7 1/2" (19cm)	Gerald bayonet non-stick bipolar forceps buried irrigation, insulated	1.0mm	3 1/2"(8.9cm)	NS IN
11-1301	7 1/2" (19cm)	Gerald bayonet bipolar forceps, irrigating	1.0mm	3 1/2"(8.9cm)	SS
11-1303	7 1/2" (19cm)	Gerald bayonet bipolar forceps, irrigating, insulated	1.0mm	3 1/2"(8.9cm)	SS IN

SCOVILLE-GREENWOOD IRRIGATING BIPOLAR FORCEPS



ITEM #	TOTAL LENGTH	DESCRIPTION	TIP	WORKING LENGTH	FEATURES
10-1603AU	7 3/4" (19.7cm)	Scoville-Greenwood bayonet non-stick bipolar forceps buried irrigation, insulated	1.5mm	2 3/4"(7cm)	AU IN
10-1603NS	7 3/4" (19.7cm)	Scoville-Greenwood bayonet non-stick bipolar forceps buried irrigation, insulated	1.5mm	2 3/4"(7cm)	NS IN
10-1302	7 3/4" (19.7cm)	Scoville-Greenwood bayonet irrigating bipolar forceps	1.5mm	2 3/4"(7cm)	SS
10-1303	7 3/4" (19.7cm)	Scoville-Greenwood bayonet irrigating bipolar forceps, insulated	1.5mm	2 3/4"(7cm)	SS IN

HARDY IRRIGATING BIPOLAR FORCEPS



ITEM #	TOTAL LENGTH	DESCRIPTION	TIP	WORKING LENGTH	FEATURES
12-1629AU	8 1/2" (21.6cm)	Hardy bayonet non-stick bipolar forceps with stop, buried irrigation, insulated	2.0mm	4 1/2"(11.4cm)	AU IN
12-1632AU	8 1/2" (21.6cm)	Hardy bayonet non-stick bipolar forceps with stop, buried irrigation, insulated	1.5mm	4 1/2"(11.4cm)	AU IN
12-1633AU	8 1/2" (21.6cm)	Hardy bayonet non-stick bipolar forceps with stop, buried irrigation, insulated	1.2mm	4 1/2"(11.4cm)	AU IN
12-1634AU	8 1/2" (21.6cm)	Hardy bayonet non-stick bipolar forceps with stop, buried irrigation, insulated	0.7mm	4 1/2"(11.4cm)	AU IN
12-1635AU	8 1/2" (21.6cm)	Hardy bayonet non-stick bipolar forceps with stop, buried irrigation, insulated	0.5mm	4 1/2"(11.4cm)	AU IN
12-1636AU	9 1/2" (24.1cm)	Hardy bayonet non-stick bipolar forceps with stop, buried irrigation, insulated	0.5mm	5 1/2"(14cm)	AU IN
12-1637AU	9 1/2" (24.1cm)	Hardy bayonet non-stick bipolar forceps with stop, buried irrigation, insulated	1.0mm	5 1/2"(14cm)	AU IN
12-1638AU	9 1/2" (24.1cm)	Hardy bayonet non-stick bipolar forceps with stop, buried irrigation, insulated	1.5mm	5 1/2"(14cm)	AU IN
12-1635NS	8 1/2" (21.6cm)	Hardy bayonet non-stick bipolar forceps with stop, buried irrigation, insulated	0.5mm	4 1/2"(11.4cm)	NS IN
12-1330	8 1/2" (21.6cm)	Hardy bayonet bipolar forceps with stop, irrigating	0.5mm	4 1/2"(11.4cm)	SS
12-1335	8 1/2" (21.6cm)	Hardy bayonet bipolar forceps with stop, irrigating, insulated	0.5mm	4 1/2"(11.4cm)	SS IN



AURA Elite Non-stick



Non-stick



Stainless Steel



Titanium



Insulated

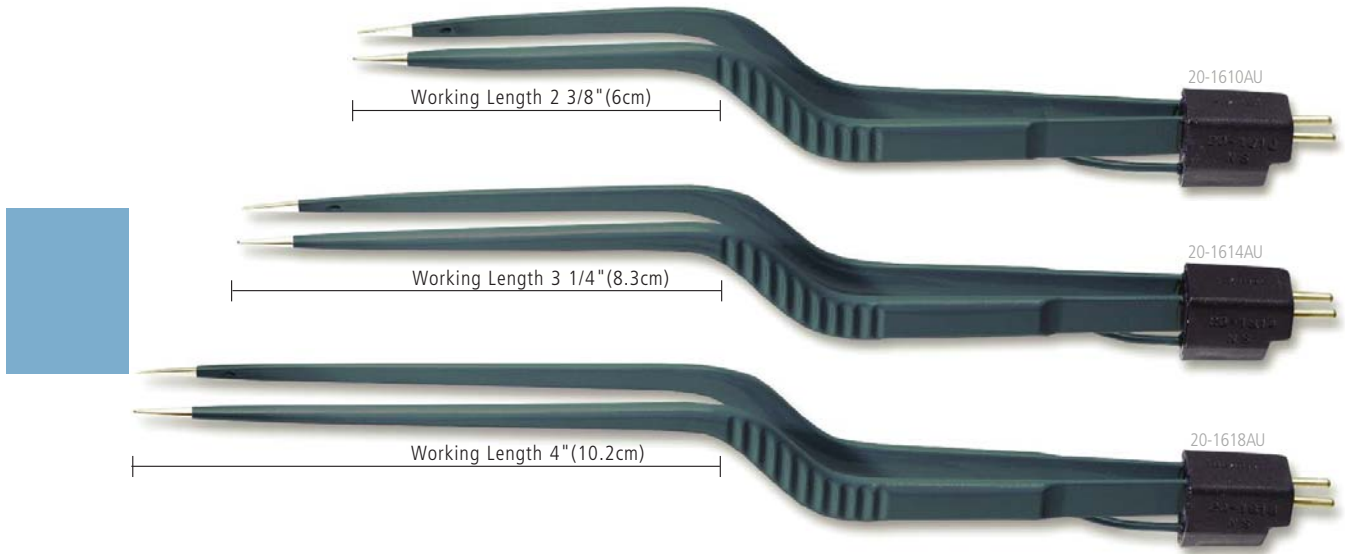


Irrigated



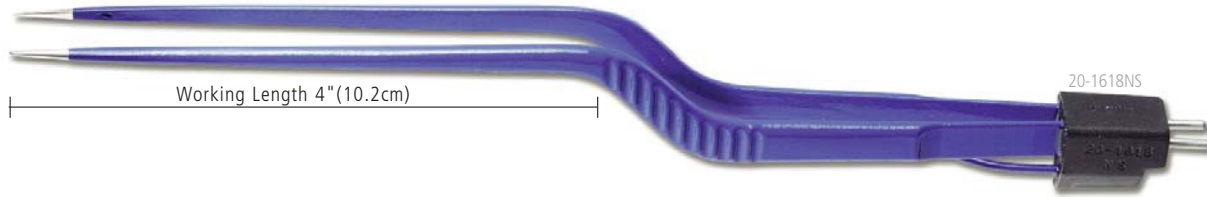
Do Not Re-use













YASARGIL IRRIGATING BIPOLAR FORCEPS














ITEM #	TOTAL LENGTH	DESCRIPTION	TIP	WORKING LENGTH	FEATURES
20-1610AU	6 1/4" (15.9cm)	Yasargil bayonet non-stick bipolar forceps, buried irrigation, insulated	0.5mm	2 3/8"(6cm)	AU IN
20-1611AU	6 1/4" (15.9cm)	Yasargil bayonet non-stick bipolar forceps, buried irrigation, insulated	0.7mm	2 3/8"(6cm)	AU IN
20-1612AU	6 1/4" (15.9cm)	Yasargil bayonet non-stick bipolar forceps, buried irrigation, insulated	1.0mm	2 3/8"(6cm)	AU IN
20-1613AU	6 1/4" (15.9cm)	Yasargil bayonet non-stick bipolar forceps, buried irrigation, insulated	1.3mm	2 3/8"(6cm)	AU IN
20-1614AU	7 1/8" (18.1cm)	Yasargil bayonet non-stick bipolar forceps, buried irrigation, insulated	0.5mm	3 1/4"(8.3cm)	AU IN
20-1615AU	7 1/8" (18.1cm)	Yasargil bayonet non-stick bipolar forceps, buried irrigation, insulated	0.7mm	3 1/4"(8.3cm)	AU IN
20-1616AU	7 1/8" (18.1cm)	Yasargil bayonet non-stick bipolar forceps, buried irrigation, insulated	1.0mm	3 1/4"(8.3cm)	AU IN
20-1617AU	7 1/8" (18.1cm)	Yasargil bayonet non-stick bipolar forceps, buried irrigation, insulated	1.3mm	3 1/4"(8.3cm)	AU IN
20-1618AU	7 7/8" (20cm)	Yasargil bayonet non-stick bipolar forceps, buried irrigation, insulated	0.5mm	4"(10.2cm)	AU IN
20-1619AU	7 7/8" (20cm)	Yasargil bayonet non-stick bipolar forceps, buried irrigation, insulated	0.7mm	4"(10.2cm)	AU IN
20-1620AU	7 7/8" (20cm)	Yasargil bayonet non-stick bipolar forceps, buried irrigation, insulated	1.0mm	4"(10.2cm)	AU IN
20-1621AU	7 7/8" (20cm)	Yasargil bayonet non-stick bipolar forceps, buried irrigation, insulated	1.3mm	4"(10.2cm)	AU IN

YASARGIL IRRIGATING BIPOLAR FORCEPS

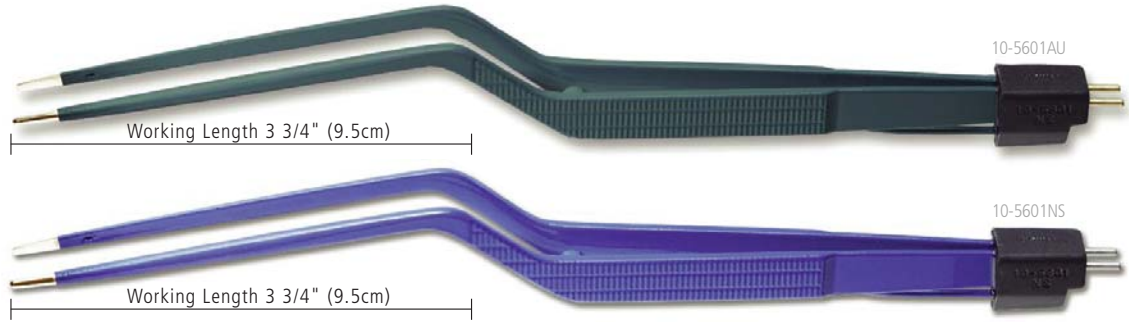


ITEM #	TOTAL LENGTH	DESCRIPTION	TIP	WORKING LENGTH	FEATURES
20-1610NS	6 1/4" (15.9cm)	Yasargil bayonet non-stick bipolar forceps, buried irrigation, insulated	0.5mm	2 3/8" (6cm)	NS IN 
20-1611NS	6 1/4" (15.9cm)	Yasargil bayonet non-stick bipolar forceps, buried irrigation, insulated	0.7mm	2 3/8" (6cm)	NS IN 
20-1612NS	6 1/4" (15.9cm)	Yasargil bayonet non-stick bipolar forceps, buried irrigation, insulated	1.0mm	2 3/8" (6cm)	NS IN 
20-1613NS	6 1/4" (15.9cm)	Yasargil bayonet non-stick bipolar forceps, buried irrigation, insulated	1.3mm	2 3/8" (6cm)	NS IN 
20-1614NS	7 1/8" (18.1cm)	Yasargil bayonet non-stick bipolar forceps, buried irrigation, insulated	0.5mm	3 1/4" (8.3cm)	NS IN 
20-1615NS	7 1/8" (18.1cm)	Yasargil bayonet non-stick bipolar forceps, buried irrigation, insulated	0.7mm	3 1/4" (8.3cm)	NS IN 
20-1616NS	7 1/8" (18.1cm)	Yasargil bayonet non-stick bipolar forceps, buried irrigation, insulated	1.0mm	3 1/4" (8.3cm)	NS IN 
20-1617NS	7 1/8" (18.1cm)	Yasargil bayonet non-stick bipolar forceps, buried irrigation, insulated	1.3mm	3 1/4" (8.3cm)	NS IN 
20-1618NS	7 7/8" (20cm)	Yasargil bayonet non-stick bipolar forceps, buried irrigation, insulated	0.5mm	4" (10.2cm)	NS IN 
20-1619NS	7 7/8" (20cm)	Yasargil bayonet non-stick bipolar forceps, buried irrigation, insulated	0.7mm	4" (10.2cm)	NS IN 
20-1620NS	7 7/8" (20cm)	Yasargil bayonet non-stick bipolar forceps, buried irrigation, insulated	1.0mm	4" (10.2cm)	NS IN 
20-1621NS	7 7/8" (20cm)	Yasargil bayonet non-stick bipolar forceps, buried irrigation, insulated	1.3mm	4" (10.2cm)	NS IN 



ITEM #	TOTAL LENGTH	DESCRIPTION	TIP	WORKING LENGTH	FEATURES
20-1310	6 1/4" (15.9cm)	Yasargil bayonet irrigating bipolar forceps	0.5mm	2 3/8" (6cm)	SS 
20-1311	6 1/4" (15.9cm)	Yasargil bayonet irrigating bipolar forceps	0.7mm	2 3/8" (6cm)	SS 
20-1312	6 1/4" (15.9cm)	Yasargil bayonet irrigating bipolar forceps	1.0mm	2 3/8" (6cm)	SS 
20-1313	6 1/4" (15.9cm)	Yasargil bayonet irrigating bipolar forceps	1.3mm	2 3/8" (6cm)	SS 
20-1314	7 1/8" (18.1cm)	Yasargil bayonet irrigating bipolar forceps	0.5mm	3 1/4" (8.3cm)	SS 
20-1315	7 1/8" (18.1cm)	Yasargil bayonet irrigating bipolar forceps	0.7mm	3 1/4" (8.3cm)	SS 
20-1316	7 1/8" (18.1cm)	Yasargil bayonet irrigating bipolar forceps	1.0mm	3 1/4" (8.3cm)	SS 
20-1317	7 1/8" (18.1cm)	Yasargil bayonet irrigating bipolar forceps	1.3mm	3 1/4" (8.3cm)	SS 
20-1318	7 7/8" (20cm)	Yasargil bayonet irrigating bipolar forceps	0.5mm	4" (10.2cm)	SS 
20-1319	7 7/8" (20cm)	Yasargil bayonet irrigating bipolar forceps	0.7mm	4" (10.2cm)	SS 
20-1320	7 7/8" (20cm)	Yasargil bayonet irrigating bipolar forceps	1.0mm	4" (10.2cm)	SS 
20-1321	7 7/8" (20cm)	Yasargil bayonet irrigating bipolar forceps	1.3mm	4" (10.2cm)	SS

MALIS STYLE IRRIGATING BIPOLAR FORCEPS



ITEM #	TOTAL LENGTH	DESCRIPTION	TIP	WORKING LENGTH	FEATURES
10-5601AU	8 3/4" (22cm)	Bayonet non-stick bipolar forceps with stop, buried irrigation, insulated	1.5mm	3 3/4"(9.5cm)	AU IN
10-5602AU	8 3/4" (22cm)	Bayonet non-stick bipolar forceps with stop, buried irrigation, insulated	0.5mm	3 3/4"(9.5cm)	AU IN
10-5603AU	8 3/4" (22cm)	Bayonet non-stick bipolar forceps with stop, buried irrigation, insulated	1.0mm	3 3/4"(9.5cm)	AU IN
10-5605AU	8 3/4" (22cm)	Bayonet non-stick bipolar forceps with stop, buried irrigation, insulated	0.25mm	3 3/4"(9.5cm)	AU IN
10-5601NS	8 3/4" (22cm)	Bayonet non-stick bipolar forceps with stop, buried irrigation, insulated	1.5mm	3 3/4"(9.5cm)	NS IN
10-5602NS	8 3/4" (22cm)	Bayonet non-stick bipolar forceps with stop, buried irrigation, insulated	0.5mm	3 3/4"(9.5cm)	NS IN
10-5603NS	8 3/4" (22cm)	Bayonet non-stick bipolar forceps with stop, buried irrigation, insulated	1.0mm	3 3/4"(9.5cm)	NS IN
10-5605NS	8 3/4" (22cm)	Bayonet non-stick bipolar forceps with stop, buried irrigation, insulated	0.25mm	3 3/4"(9.5cm)	NS IN
15-5301	8 3/4" (22cm)	Titanium bayonet bipolar forceps with stop, irrigating, insulated	1.5mm	3 3/4"(9.5cm)	Ti IN
15-5302	8 3/4" (22cm)	Titanium bayonet bipolar forceps with stop, irrigating, insulated	0.5mm	3 3/4"(9.5cm)	Ti IN
15-5303	8 3/4" (22cm)	Titanium bayonet bipolar forceps with stop, irrigating, insulated	1.0mm	3 3/4"(9.5cm)	Ti IN
15-5310		Stylets for irrigating forceps, 5/pk			



ITEM #	TOTAL LENGTH	DESCRIPTION	TIP	WORKING LENGTH	FEATURES
10-5604AU	8 3/4" (22cm)	Bayonet non-stick bipolar forceps with stop, buried irrigation, insulated, angled up	0.5mm	3 3/4"(9.5cm)	AU IN
10-5604NS	8 3/4" (22cm)	Bayonet non-stick bipolar forceps with stop, buried irrigation, insulated, angled up	0.5mm	3 3/4"(9.5cm)	NS IN
15-5304	8 3/4" (22cm)	Titanium bayonet bipolar forceps with stop, irrigating, insulated, angled up	0.5mm	3 3/4"(9.5cm)	Ti IN

The Kirwan Bipolar Pencil

Kirwan Surgical manufactures a variety of bipolar pencils for performing pinpoint hemostasis in delicate tissue structures. The main feature of the bipolar pencil is the insulated wire and sleeve that form the coaxial harness assembly. The harness assembly extends from the rear pins and continues out the front of the instrument. The area of coagulation is restricted to the space between the two elements. This permits discrete coagulation without excessive damage to peripheral tissue structures.

Bipolar pencils are single-piece injection molded – solid throughout.

The solid single-piece construction eliminates potential fluid seepage that could lead to a product failure. The seamless design provides electrical insulation to the internal components. The exterior surface has a knurled finish that gives a non-slip grip. An indicator is located at 12:00 on the front end and confirms the orientation of the tip. In addition, the single-piece design allows the pencil to be injection molded with autoclavable materials for repeated use as well as low cost disposable materials. Most of the bipolar pencil product line is available in both reusable and disposable styles.

Bipolar pencils are manufactured in a variety of styles and wire gauges,

including: 18 gauge, 20 gauge, 20/23 gauge tapered, 23 gauge and 25 gauge.

Reusable pencils:

The tip configurations and working lengths vary throughout the product line and, like all Kirwan reusable products, the features of the reusable bipolar pencils can be customized to suit any specific surgical indication.

PENCILS

14-5000



ITEM #	DESCRIPTION	GAUGE	FEATURES
14-5000	Disposable non-stick bipolar pencil, straight	18	
14-7000	Reusable TPR non-stick bipolar pencil, straight	18	

14-5002



ITEM #	DESCRIPTION	GAUGE	FEATURES
14-5002	Disposable non-stick bipolar pencil, curved	18	
14-7002	Reusable TPR non-stick bipolar pencil, curved	18	

14-5010



ITEM #	DESCRIPTION	GAUGE	FEATURES
14-5010	Disposable Widestroke™ dual coagulating non-stick bipolar pencil, 30 degree angle	18	
14-7010	Reusable Widestroke™ dual coagulating non-stick bipolar pencil, 30 degree angle	18	

14-5004



ITEM #	DESCRIPTION	GAUGE	FEATURES
14-5004	Disposable bipolar pencil, straight	20	
14-7006	Reusable TPR bipolar pencil, straight	20	

14-5006



ITEM #	DESCRIPTION	GAUGE	FEATURES
14-5006	Disposable bipolar pencil, tapered tip, sharp	20/23	
14-7008	Reusable TPR bipolar pencil, tapered tip, sharp	20/23	

PENCILS



ITEM #	DESCRIPTION	GAUGE	FEATURES
14-5009	Disposable bipolar pencil, tapered tip, blunt	20/23	
14-7009	Reusable TPR bipolar pencil, tapered tip, blunt	20/23	



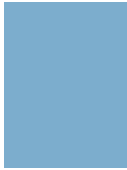
ITEM #	DESCRIPTION	GAUGE	FEATURES
14-5007	Disposable bipolar pencil, straight	23	
14-7007	Reusable TPR bipolar pencil, straight	23	



ITEM #	DESCRIPTION	GAUGE	FEATURES
14-5011	Disposable bipolar pencil, straight	25	



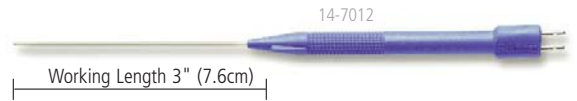
ITEM #	DESCRIPTION	GAUGE	FEATURES
14-7013	Reusable bipolar pencil, with 10mm extended center tip	20	



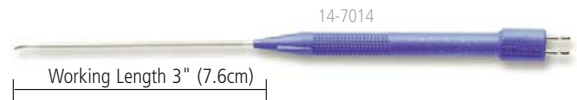
PENCILS



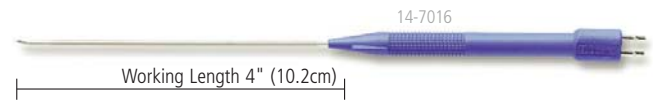
ITEM #	DESCRIPTION	FEATURES
14-5020	Disposable Abernathie bipolar pencil probe	



ITEM #	TOTAL LENGTH	DESCRIPTION	GAUGE	WORKING LENGTH	FEATURES
14-7012	7" (17.8cm)	Reusable TPR sinusoidal non-stick bipolar pencil, straight	18	3" (7.6cm)	



ITEM #	TOTAL LENGTH	DESCRIPTION	GAUGE	WORKING LENGTH	FEATURES
14-7014	7" (17.8cm)	Reusable TPR sinusoidal non-stick bipolar pencil, angled	18	3" (7.6cm)	



ITEM #	TOTAL LENGTH	DESCRIPTION	GAUGE	WORKING LENGTH	FEATURES
14-7016	8" (20.3cm)	Reusable TPR non-stick bipolar pencil, 10 degree angled, pencil point tip	18	4" (10.2cm)	




ITEM #	TOTAL LENGTH	DESCRIPTION	GAUGE	WORKING LENGTH	FEATURES
14-7017	12" (30.5cm)	Reusable TPR non-stick bipolar pencil, dome tip	18	8" (20.3cm)	



ITEM #	TOTAL LENGTH	DESCRIPTION	GAUGE	WORKING LENGTH	FEATURES
14-7018	15 3/4" (40cm)	Reusable TPR non-stick bipolar pencil, 10 degree angled, pencil point tip	18	11 3/4" (29.9cm)	

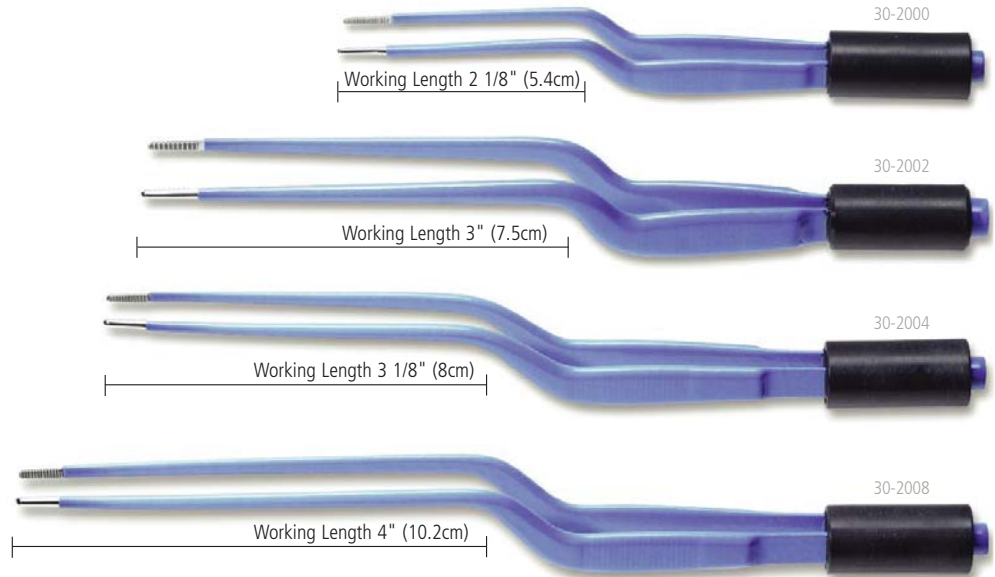
BIPOLAR PRODUCTS



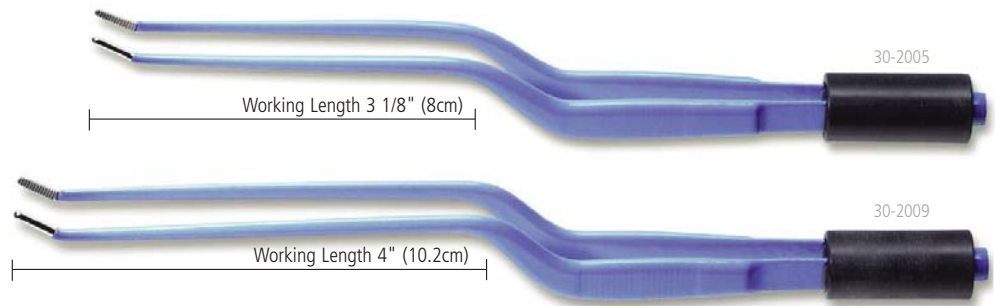
MONOPOLAR PRODUCTS

Kirwan offers a variety of reusable and disposable bayonet monopolar forceps with serrated tips. Kirwan's monopolar forceps are also offered in a straight version and a handswitch version.

BAYONET MONOPOLAR FORCEPS

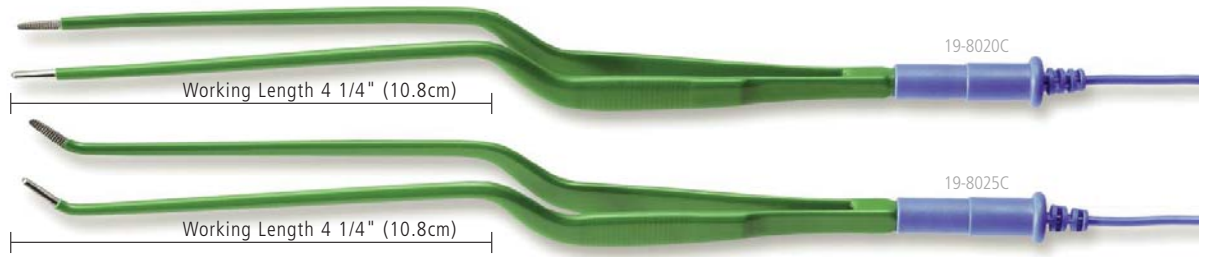


ITEM #	TOTAL LENGTH	DESCRIPTION	TIP	WORKING LENGTH	FEATURES
30-2000	5 1/4" (13.3cm)	Bayonet monopolar forceps, insulated, serrated	1.5mm	2 1/8"(5.4cm)	SS IN
30-2002	6 1/4" (15.9cm)	Bayonet monopolar forceps, insulated, serrated	1.5mm	3"(7.5cm)	SS IN
30-2004	7 1/2" (19cm)	Bayonet monopolar forceps, insulated, serrated	2.0mm	3 1/8"(8cm)	SS IN
30-2008	8 1/4" (21cm)	Bayonet monopolar forceps, insulated, serrated	2.0mm	4"(10.2cm)	SS IN



ITEM #	TOTAL LENGTH	DESCRIPTION	TIP	WORKING LENGTH	FEATURES
30-2005	7 1/2" (19cm)	Bayonet monopolar forceps, insulated, angled, serrated	2.0mm	3 1/8"(8cm)	SS IN
30-2009	8 1/4" (21cm)	Bayonet monopolar forceps, insulated, angled, serrated	2.0mm	4"(10.2cm)	SS IN

BAYONET / STRAIGHT MONOPOLAR FORCEPS




ITEM #	TOTAL LENGTH	DESCRIPTION	TIP	WORKING LENGTH	FEATURES
19-8020C	9" (22.9cm)	Disposable bayonet monopolar forceps, insulated, straight, serrated, with 10' cord	2.0mm	4 1/4 (10.8cm)	SS IN
19-8021C	9" (22.9cm)	Disposable bayonet monopolar forceps, insulated, with 10' cord	1.0mm	4 1/4 (10.8cm)	SS IN
19-8025C	9" (22.9cm)	Disposable bayonet monopolar forceps, insulated, angled up, serrated, with 10' cord	2.0mm	4 1/4 (10.8cm)	SS IN
19-8026C	9" (22.9cm)	Disposable bayonet monopolar curved forceps, insulated, with 10' cord	1.0mm	4 1/4 (10.8cm)	SS IN

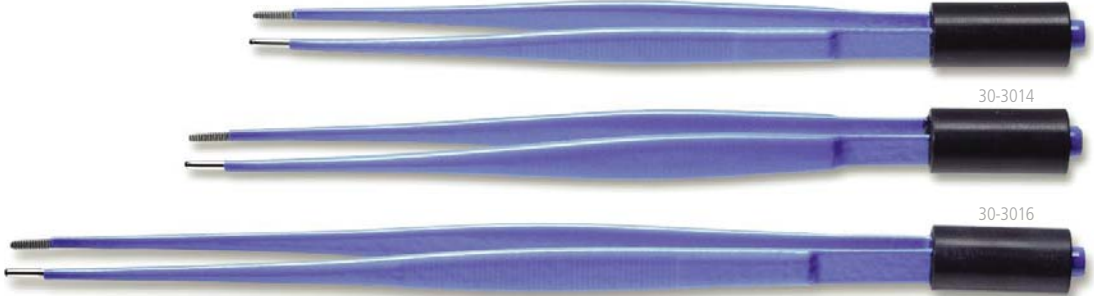
STRAIGHT MONOPOLAR FORCEPS



ITEM #	TOTAL LENGTH	DESCRIPTION	TIP	FEATURES
30-3000	4 1/2" (11.4cm)	Jewelers straight monopolar forceps, insulated, smooth	0.4mm	SS IN



ITEM #	TOTAL LENGTH	DESCRIPTION	TIP	FEATURES
30-3010	4 3/4" (12.1cm)	Adson monopolar forceps, insulated, smooth	1.0mm	SS IN



ITEM #	TOTAL LENGTH	DESCRIPTION	TIP	FEATURES
30-3012	7" (17.5cm)	Potts-Smith monopolar forceps, insulated, serrated	2.0mm	SS IN
30-3014	8 1/4" (21cm)	Potts-Smith monopolar forceps, insulated, serrated	2.0mm	SS IN
30-3016	9 1/2" (24.1cm)	Potts-Smith monopolar forceps, insulated, serrated	2.0mm	SS IN

MONOPOLAR PRODUCTS

HANDSWITCH FORCEPS



ITEM #	TOTAL LENGTH	DESCRIPTION	TIP	WORKING LENGTH	FEATURES
30-7000	5 1/2" (14cm)	Handswitch monopolar forceps, insulated, serrated, with 10' cord	2.0mm	3 1/8" (8cm)	SS IN



ITEM #	TOTAL LENGTH	DESCRIPTION	TIP	WORKING LENGTH	FEATURES
30-7001	5 1/2" (14cm)	Handswitch monopolar forceps, insulated, curved serrated, with 10' cord	2.0mm	3 1/8" (8cm)	SS IN



ITEM #	TOTAL LENGTH	DESCRIPTION	TIP	WORKING LENGTH	FEATURES
30-7002	7 1/2" (19cm)	Handswitch monopolar forceps, insulated, serrated, with 10' cord	2.0mm	3 1/4" (8.3cm)	SS IN



ITEM #	TOTAL LENGTH	DESCRIPTION	TIP	WORKING LENGTH	FEATURES
30-7003	7 1/2" (19cm)	Handswitch monopolar forceps, insulated, curved serrated, with 10' cord	2.0mm	3 1/4" (8.3cm)	SS IN



ITEM #	TOTAL LENGTH	DESCRIPTION	TIP	WORKING LENGTH	FEATURES
30-7004	8 1/2" (21.6cm)	Handswitch monopolar forceps, insulated, serrated, with 10' cord	2.0mm	4" (10.2cm)	SS IN



ITEM #	TOTAL LENGTH	DESCRIPTION	TIP	WORKING LENGTH	FEATURES
30-7005	8 1/2" (21.6cm)	Handswitch monopolar forceps, insulated, curved serrated, with 10' cord	2.0mm	4" (10.2cm)	SS IN

MICRODISSECTION NEEDLES, ELECTRODES & HANDLES

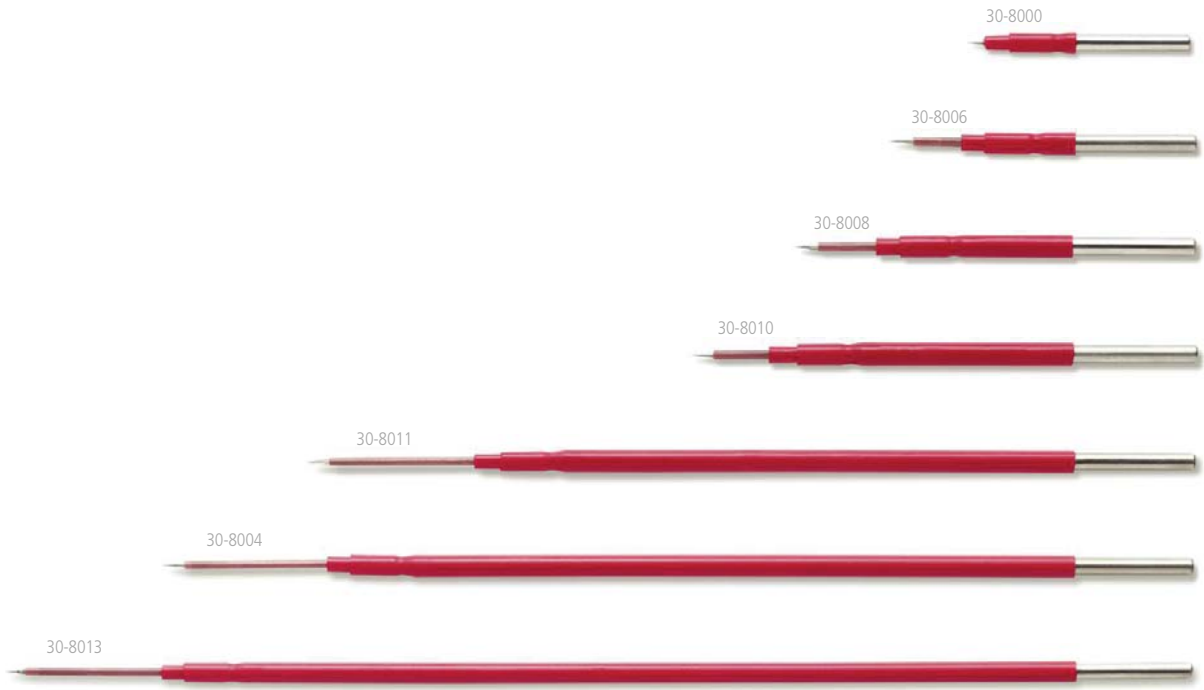


By design, Kirwan Surgical's Microdissection needles are effective at focusing monopolar energy to the target tissue thereby achieving a precise cut with minimal burning or charring and with minimal damage to peripheral tissue.

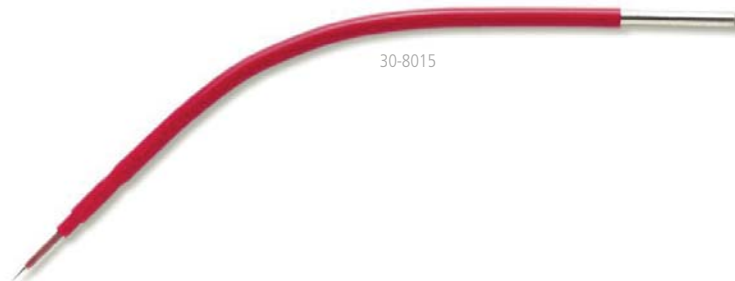
The tungsten needle will withstand the rigors of monopolar electro-surgery while maintaining an extremely sharp point. The needle is insulated with a high temperature dielectric coating confining the energy to the tip. The tungsten needle is set into a stainless steel holder which fits a standard cutting/coagulation handpiece.

MICRODISSECTION NEEDLES,
ELECTRODES & HANDLES

MICRODISSECTION NEEDLES



ITEM #	TOTAL LENGTH	DESCRIPTION	FEATURES
30-8000	1 1/4" (3.2cm)	Disposable Tungsten microdissection needle, insulated, straight	IN
30-8006	1 5/8" (4.1cm)	Disposable Tungsten microdissection needle, insulated, straight	IN
30-8008	2" (5.1cm)	Disposable Tungsten microdissection needle, insulated, straight	IN
30-8010	2 1/2" (6.4cm)	Disposable Tungsten microdissection needle, insulated, straight	IN
30-8011	4 5/8" (11.8cm)	Disposable Tungsten microdissection needle, insulated, straight	IN
30-8004	5 1/2" (14cm)	Disposable Tungsten microdissection needle, insulated, straight	IN
30-8013	6 5/8" (16.8cm)	Disposable Tungsten microdissection needle, insulated, straight	IN



ITEM #	TOTAL LENGTH	DESCRIPTION	FEATURES
30-8015	4" (10.2cm)	Disposable Tungsten microdissection curved needle, insulated	IN

MICRODISSECTION NEEDLES,
ELECTRODES & HANDLES

MICRODISSECTION NEEDLES

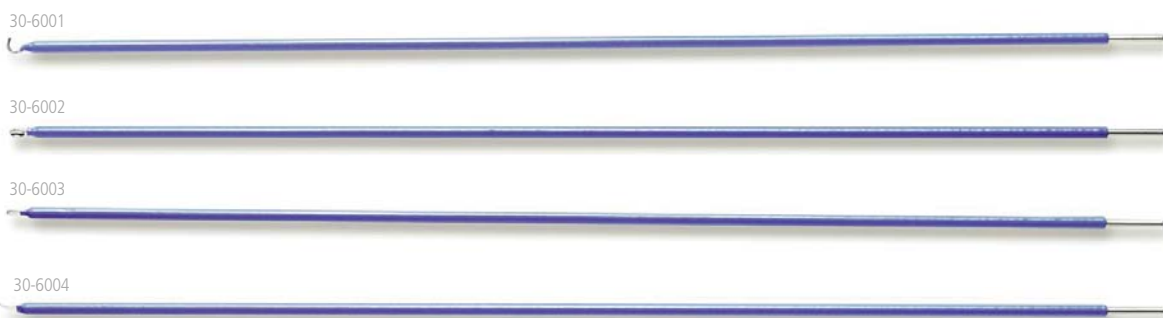


ITEM #	TOTAL LENGTH	DESCRIPTION	FEATURES
30-8007	1 5/8" (4.1cm)	Disposable Tungsten microdissection needle, insulated, angled 45 degrees	IN
30-8009	2" (5.1cm)	Disposable Tungsten microdissection needle, insulated, angled 45 degrees	IN
30-8012	4 1/2" (11.4cm)	Disposable Tungsten microdissection needle, insulated, angled 45 degrees	IN
30-8014	6 1/2" (16.5cm)	Disposable Tungsten microdissection needle, insulated, angled 45 degrees	IN
30-8017	4 7/8" (12.4cm)	Disposable Tungsten microdissection needle, insulated, angled 45 degrees	IN
30-8018	6 7/8" (17.5cm)	Disposable Tungsten microdissection needle, insulated, angled 45 degrees	IN

ITEM #	TOTAL LENGTH	DESCRIPTION	FEATURES
30-8016	5 7/8" (14.9cm)	Disposable Tungsten microdissection curved needle, insulated	IN

MICRODISSECTION NEEDLES,
ELECTRODES & HANDLES

ELECTRODES



ITEM #	TOTAL LENGTH	DESCRIPTION	FEATURES
30-6001	15" (38cm)	Monopolar electrode, insulated, hook tip	IN
30-6002	15" (38cm)	Monopolar electrode, insulated, spoon tip	IN
30-6003	15" (38cm)	Monopolar electrode, insulated, spatula tip	IN
30-6004	15" (38cm)	Monopolar electrode, insulated, knife tip	IN

CHUCK HANDLES



ITEM #	TOTAL LENGTH	DESCRIPTION
30-4000	6" (15cm)	Monopolar chuck handle with 6" cord
30-4001	6" (15cm)	Monopolar chuck handle with 10" cord
30-4002	6" (15cm)	Monopolar chuck handle with 15" cord
30-4003	8 1/2" (22cm)	Monopolar chuck handle with 6" cord
30-4004	8 1/2" (22cm)	Monopolar chuck handle with 10" cord
30-4005	8 1/2" (22cm)	Monopolar chuck handle with 15" cord

CUT AND COAG PUSH BUTTON PENCIL



ITEM #	DESCRIPTION
30-4100	Reusable monopolar cut and coag. push button pencil with 10' cord



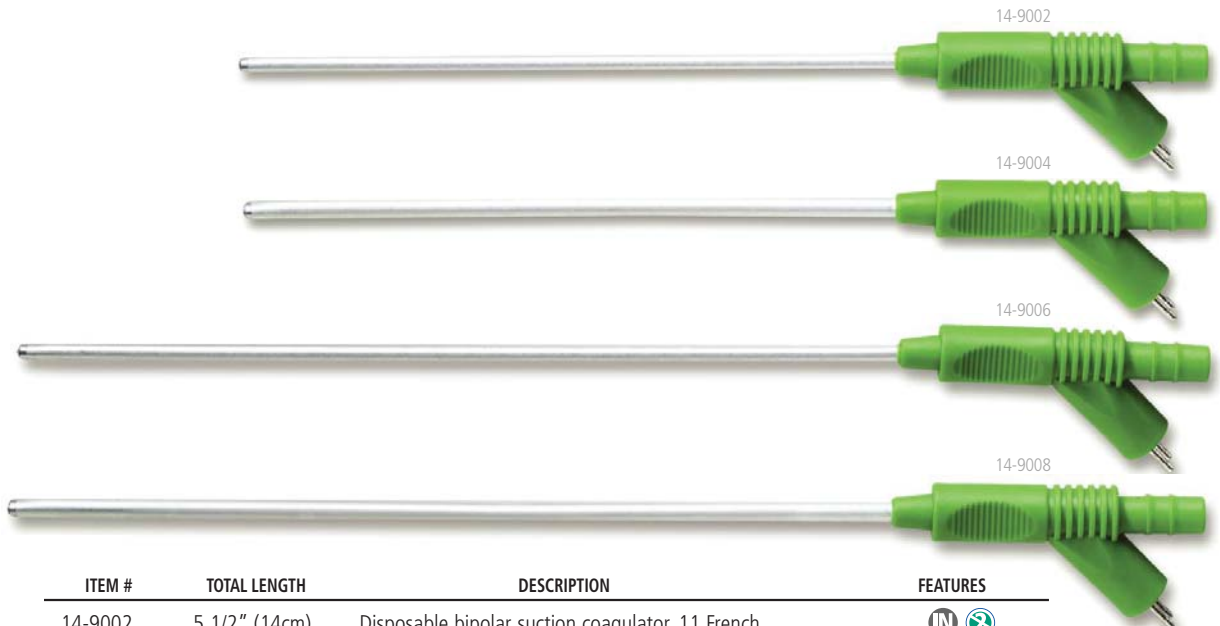
SUCTION COAGULATORS

Kirwan Surgical Products LLC offers both disposable bipolar and disposable monopolar suction coagulators.

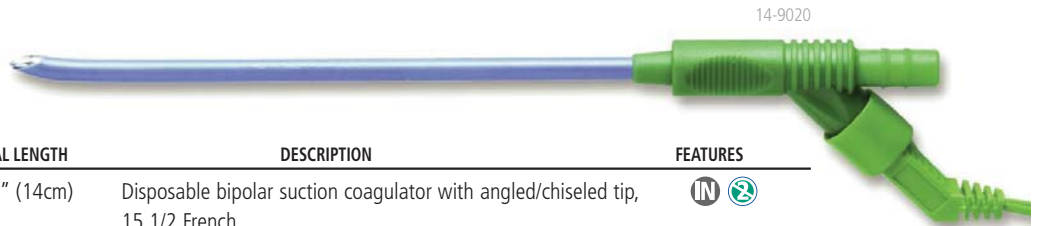
The disposable bipolar suction coagulators are offered in two lengths with two diameters, are malleable and are used with a standard bipolar cord.

The disposable monopolar suction coagulators are offered in two lengths and include an attached cord with a standard resectoscope pin connector.

BIPOLAR SUCTION COAGULATOR



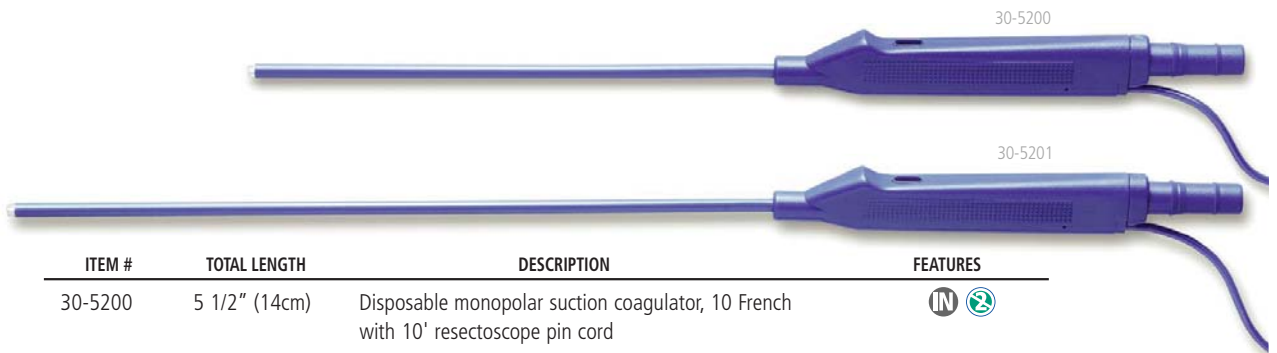
ITEM #	TOTAL LENGTH	DESCRIPTION	FEATURES
14-9002	5 1/2" (14cm)	Disposable bipolar suction coagulator, 11 French	IN ②
14-9004	5 1/2" (14cm)	Disposable bipolar suction coagulator, 13 French	IN ②
14-9006	7 1/2" (19cm)	Disposable bipolar suction coagulator, 11 French	IN ②
14-9008	7 1/2" (19cm)	Disposable bipolar suction coagulator, 13 French	IN ②



ITEM #	TOTAL LENGTH	DESCRIPTION	FEATURES
14-9020	5 1/2" (14cm)	Disposable bipolar suction coagulator with angled/chiseled tip, 15 1/2 French	IN ②

SUCTION COAGULATORS

MONOPOLAR SUCTION COAGULATORS



ITEM #	TOTAL LENGTH	DESCRIPTION	FEATURES
30-5200	5 1/2" (14cm)	Disposable monopolar suction coagulator, 10 French with 10' resectoscope pin cord	IN ②
30-5201	8" (20cm)	Disposable monopolar suction coagulator, 10 French with 10' resectoscope pin cord	IN ②



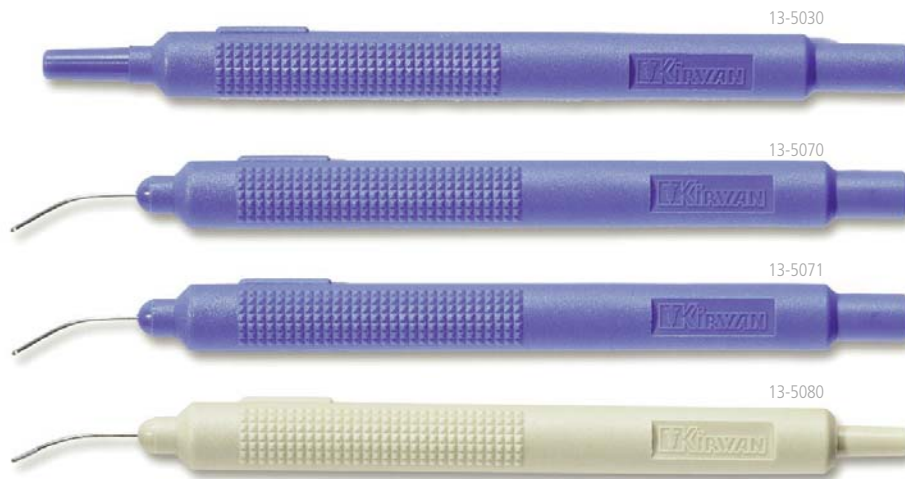
MISCELLANEOUS

Kirwan Surgical Products LLC offers a variety of miscellaneous items including manifold tubing sets, disposable battery cauteries, reusable I/A Handpieces, Bankart instruments, a disposable wire pass drill, a disposable cranio-blade, and sterilizing trays for 2, 6, and 12 bayonet forceps.

I/A HANDPIECES



ITEM #	DESCRIPTION	PORT
13-5000	Reusable I/A handpiece, straight	0.3mm aspiration port
13-5010	Reusable I/A handpiece, curved 45 degree	0.3mm aspiration port
13-5020	Reusable I/A handpiece, Binkhorst-type	0.3mm aspiration port
13-5040	Reusable I/A handpiece, curved 90 degree	0.3mm aspiration port
13-5050	Reusable I/A handpiece, curved shaft	0.3mm aspiration port



ITEM #	DESCRIPTION	GAUGE	PORT
13-5030	Reusable I/A handpiece, irrigation or aspiration		
13-5070	Reusable bimanual irrigation handpiece, curved	21	Dual 0.5mm side ports
13-5071	Reusable bimanual irrigation handpiece, curved	23	Dual 0.5mm side ports
13-5080	Reusable bimanual aspiration handpiece, curved	23	0.3mm aspiration port

MISCELLANEOUS

61

AU AURA Elite Non-stick

NS Non-stick

SS Stainless Steel

Ti Titanium

IN Insulated

I Irrigated

Do Not Re-use

RETRACTOR



ITEM #	DESCRIPTION
50-1020	Fukuda retractor

BANKART SETS



50-1010 Basic set with sterilizing case.

A	50-1004	7 1/2" Curved Awl
B	50-1005	7 1/2" Curved Hook
C	50-1007	7 1/2" Ligature Carrier
D	50-1002	8 1/4" Curved Spike #2
E	50-1003	7 3/4" Glenoid Reaming Forceps
F	50-1000	7" Improved Humeral Head Retractor
G	50-1001	10" Capsule Retractor
H	50-1006	10 1/2" Bone Skid
I	50-1009	Sterilizing Case

50-1017 Complete set with sterilizing case.

The complete set includes the basic shoulder repair set plus:

J	50-1011	7" Capsule Fork (Pickle Fork)
K	50-1012	11" Muscle Retractor
L	50-1013	8 1/4" Scaphoid Gouge
M	50-1014	7 1/2" Fine Curved Awl
N	50-1015	7 1/2" Curved Spike #3
O	50-1016	Expanded Sterilizing Case



MISCELLANEOUS

AU AURA Elite Non-stick

NS Non-stick

SS Stainless Steel

Ti Titanium

IN Insulated

Irrigated

Do Not Re-use

62

DRILL / CRANIO BLADE



40-1000

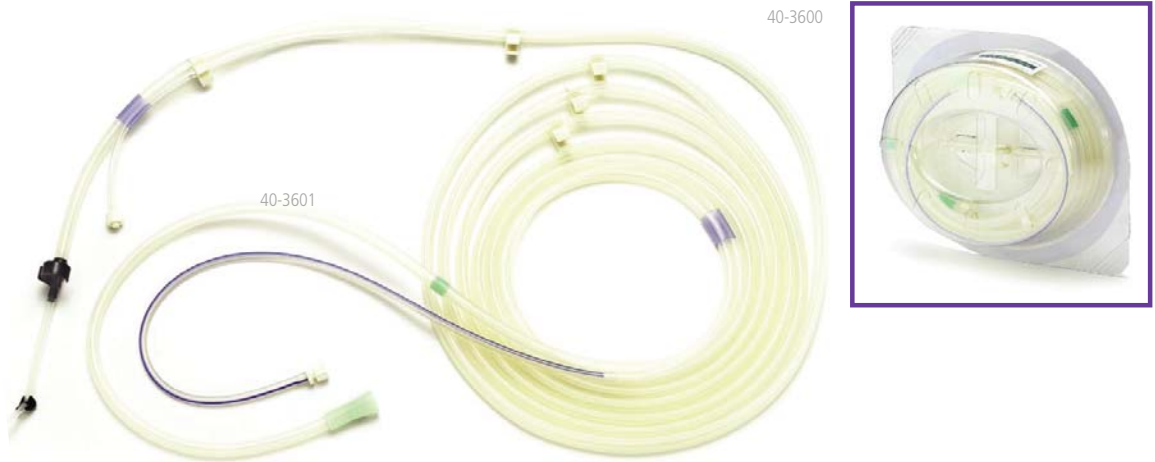
ITEM #	DESCRIPTION	FEATURES
40-1000	Disposable wire pass drill, sterile	



40-1001

ITEM #	DESCRIPTION	FEATURES
40-1001	Disposable cranioblast, sterile	

MANIFOLD TUBING SETS



40-3600

40-3601

ITEM #	DESCRIPTION	FEATURES
40-3600	23kHz Manifold tubing set, sterile	
40-3601	36kHz Manifold tubing set, sterile	

BATTERY CAUTERIES



41-6120



41-6125



41-6130



41-6140



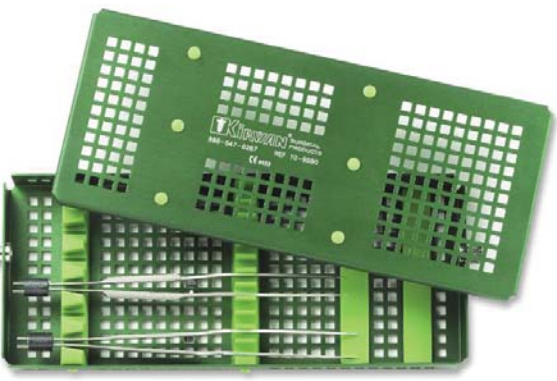
41-6145

ITEM #	DESCRIPTION	FEATURES
41-6120	Disposable cautery, low temperature, fine tip	
41-6125	Disposable cautery, variable low temperature, fine tip	
41-6130	Disposable cautery, high temperature, loop tip	
41-6140	Disposable cautery, high temperature, fine tip	
41-6145	Disposable cautery, variable high temperature, fine tip	



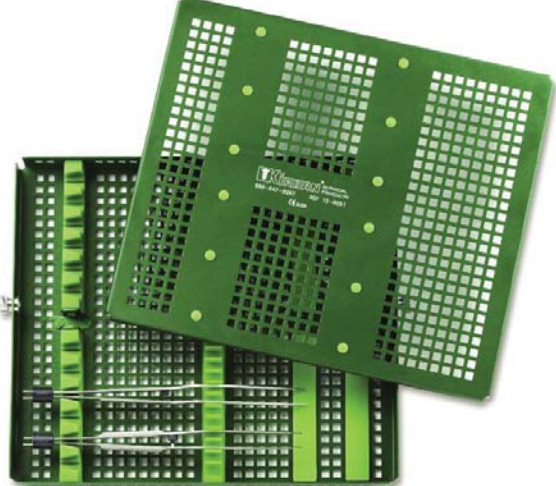
MISCELLANEOUS

STERILIZING TRAYS



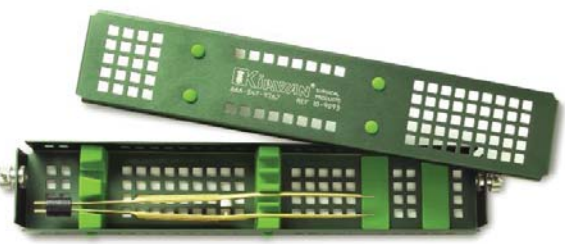
ITEM # DESCRIPTION

10-9090 Sterilizing tray for six (6) bayonet forceps



ITEM # DESCRIPTION

10-9091 Sterilizing tray for twelve (12) bayonet forceps



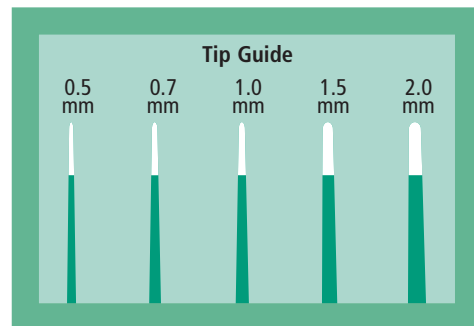
ITEM # DESCRIPTION

10-9093 Sterilizing tray for two (2) bayonet forceps

ITEM # DESCRIPTION

10-9095 Silicone inserts for the 10-9090 and 10-9091 (1 set of 6) (2 sets required for 10-9091)

10-9096 Locks for the 10-9090, 10-9091 and 10-9093



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