

**OPERATING SCISSORS**

COMPLETE INSTRUMENT	REPLACEMENT INSERT	DIAMETER	LENGTH	FEATURES
31-9027XC	31-9027	10mm	33cm	Straight, XC Handle



**METZENBAUM SCISSORS**

COMPLETE INSTRUMENT	REPLACEMENT INSERT	DIAMETER	LENGTH	FEATURES
31-9005XC	31-9005	5mm	33cm	Straight, XC Handle
31-9005YC	31-9005	5mm	33cm	Straight, YC Handle



31-9010XC	31-9010	5mm	33cm	Curved, XC Handle
31-9010XC-45	31-9010-45	5mm	45cm	Curved, XC Handle



31-9012XC	31-9012	5mm	33cm	Curved, Serrated, XC Handle
31-9012XC-45	31-9012-45	5mm	45cm	Curved, Serrated, XC Handle



**HOOK SCISSORS**

COMPLETE INSTRUMENT	REPLACEMENT INSERT	DIAMETER	LENGTH	FEATURES
31-9016XC	31-9016	5mm	33cm	Standard, Flush Tips, XC Handle



**MARYLAND DISSECTORS**

COMPLETE INSTRUMENT	REPLACEMENT INSERT	DIAMETER	LENGTH	FEATURES
31-9030XC	31-9030	5mm	33cm	Cross Serration, XC Handle
31-9030XC-45	31-9030-45	5mm	45cm	Cross Serration, XC Handle



COMPLETE INSTRUMENT	REPLACEMENT INSERT	DIAMETER	LENGTH	FEATURES
31-9031XC	31-9031	5mm	33cm	Diamond Serration, XC Handle
31-9120XC	31-9120	10mm	33cm	Diamond Serration, XC Handle



**MIXTER FORCEPS**

COMPLETE INSTRUMENT	REPLACEMENT INSERT	DIAMETER	LENGTH	FEATURES
31-9033XC	31-9033	5mm	33cm	90° Angle, Cross Serration, XC Handle
31-9035XC	31-9035	5mm	33cm	90° Angle, Diamond Serration XC Handle
31-9125XC	31-9125	10mm	33cm	90° Angle, Diamond Serration XC Handle
31-9125XC-45	31-9125-45	10mm	45cm	90° Angle, Diamond Serration XC Handle



**KELLY FORCEP**

COMPLETE INSTRUMENT	REPLACEMENT INSERT	DIAMETER	LENGTH	FEATURES
31-9043XC	31-9043	5mm	33cm	Double Action, XC Handle



**GLASSMANN FORCEP**

COMPLETE INSTRUMENT	REPLACEMENT INSERT	DIAMETER	LENGTH	FEATURES
31-9096YC	31-9096	5mm	33cm	Atraumatic Clamp, YC Handle



**TENACULUM FORCEPS**

COMPLETE INSTRUMENT	REPLACEMENT INSERT	DIAMETER	LENGTH	FEATURES
31-9111YC	31-9111	5mm	33cm	1x1 Sharp Teeth, YC Handle
31-9113YC	31-9113	10mm	33cm	1x1 Sharp Teeth, YC Handle



**KOCHER FORCEP**

COMPLETE INSTRUMENT	REPLACEMENT INSERT	DIAMETER	LENGTH	FEATURES
31-9128XC	31-9128	10mm	33cm	60mm Jaws, Axial Serration, XC Handle



**SPOON FORCEP**

COMPLETE INSTRUMENT	REPLACEMENT INSERT	DIAMETER	LENGTH	FEATURES
31-9135XC	31-9135	10mm	33cm	XC Handle



**CLAW FORCEPS**

COMPLETE INSTRUMENT	REPLACEMENT INSERT	DIAMETER	LENGTH	FEATURES
31-9045XC	31-9045	5mm	33cm	Traumatic Jaws, XC Handle
31-9045YC	31-9045	5mm	33cm	Traumatic Jaws, YC Handle



**BABCOCK FORCEPS**

COMPLETE INSTRUMENT	REPLACEMENT INSERT	DIAMETER	LENGTH	FEATURES
31-9105YC	31-9105	5mm	33cm	YC Handle



**ALLIS FORCEPS**

COMPLETE INSTRUMENT	REPLACEMENT INSERT	DIAMETER	LENGTH	FEATURES
31-9067YC	31-9067	5mm	33cm	TC Inserted Jaws, Atraumatic Clamp, YC Handle



**STRONG ATRAUMATIC CLAMP**

COMPLETE INSTRUMENT	REPLACEMENT INSERT	DIAMETER	LENGTH	FEATURES
31-9145YC	31-9145	10mm	33cm	40mm Jaws, Straight, YC Handle



**GRASPING FORCEPS**

COMPLETE INSTRUMENT	REPLACEMENT INSERT	DIAMETER	LENGTH	FEATURES
31-9050XC	31-9050	5mm	33cm	Standard, Cross Serrations, XC Handle
31-9050YC	31-9050	5mm	33cm	Standard, Cross Serrations, YC Handle
31-9050YC-45	31-9050-45	5mm	45cm	Standard, Cross Serrations, YC Handle



31-9051YC	31-9051	5mm	33cm	Tapered, Rounded Jaws, YC Handle
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31-9055YC	31-9055	5mm	33cm	Endo Clinch, Extremely Atraumatic Serrations, YC Handle
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31-9100YC	31-9100	5mm	33cm	Maxi (Fundus), YC Handle
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31-9085YC	31-9085	5mm	33cm	Pointed with Spoon, YC Handle
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**WAVE FORCEPS**

COMPLETE INSTRUMENT	REPLACEMENT INSERT	DIAMETER	LENGTH	FEATURES
31-9061YC	31-9061	5mm	33cm	Atraumatic Wave like Serrations, Double Action, YC Handle



**DEBAKEY FORCEPS**

COMPLETE INSTRUMENT	REPLACEMENT INSERT	DIAMETER	LENGTH	FEATURES
31-9065YC	31-9065	5mm	33cm	40mm Jaws, YC Handle
31-9065XC	31-9065	5mm	33cm	40mm Jaws, XC Handle
31-9065YC-45	31-9065-45	5mm	45cm	40mm Jaws, YC Handle
31-9065XC-45	31-9065-45	5mm	45cm	40mm Jaws, XC Handle



**COBRA FORCEP**

COMPLETE INSTRUMENT	REPLACEMENT INSERT	DIAMETER	LENGTH	FEATURES
31-9075YC	31-9075	5mm	33cm	2x3 Teeth, Double Action, YC Handle



**ALLIGATOR FORCEP**

COMPLETE INSTRUMENT	REPLACEMENT INSERT	DIAMETER	LENGTH	FEATURES
31-9070YC	31-9070	5mm	33cm	Double Action, YC Handle



**ATRAUMATIC GRASPERS**

COMPLETE INSTRUMENT	REPLACEMENT INSERT	DIAMETER	LENGTH	FEATURES
31-9098YC	31-9098	5mm	33cm	Single Action, YC Handle



31-9097XC	31-9097	5mm	33cm	Diamond Serrations, XC Handle
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31-9097YC	31-9097	5mm	33cm	Diamond Serrations, YC Handle
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**FENESTRATED GRASPING FORCEPS**

COMPLETE INSTRUMENT	REPLACEMENT INSERT	DIAMETER	LENGTH	FEATURES
31-9090YC	31-9090	5mm	33cm	22mm Double Action Jaw, YC Handle

31-9090XC-45	31-9090-45	5mm	45cm	22mm Double Action Jaw, XC Handle
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31-9095XC	31-9095	5mm	33cm	40mm Double Action Jaw, XC Handle
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31-9095XC-45	31-9095-45	5mm	45cm	40mm Double Action Jaw, XC Handle
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**FENESTRATED GRASPING DISSECTOR**

COMPLETE INSTRUMENT	REPLACEMENT INSERT	DIAMETER	LENGTH	FEATURES
31-9042XC	31-9042	5mm	33cm	16mm Double Action Jaw, XC Handle

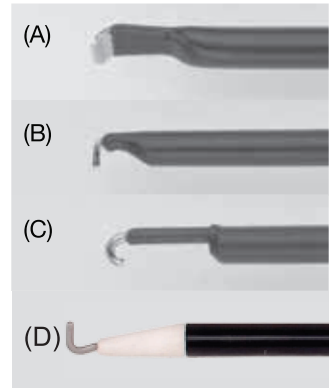




**ELECTROSURGERY**

**INSULATED ELECTRODES WITHOUT SUCTION**

INSTRUMENT	DIAMETER	FEATURES
31-4325 (A)	5mm	Spatula
31-4326 (B)	5mm	L-Hook
31-4327 (C)	5mm	J-Hook
31-4328 (D)	5mm	L-Hook



**ELECTROSURGICAL CABLE**

INSTRUMENT	LENGTH	FEATURES
31-2242	9'	4mm Tip, Monopolar: Compatible with Martin, Berchtold, Erb T-Series
31-2253	10'	8mm Tip, Monopolar: Compatible with ValleyLab, Bovie, Conmed



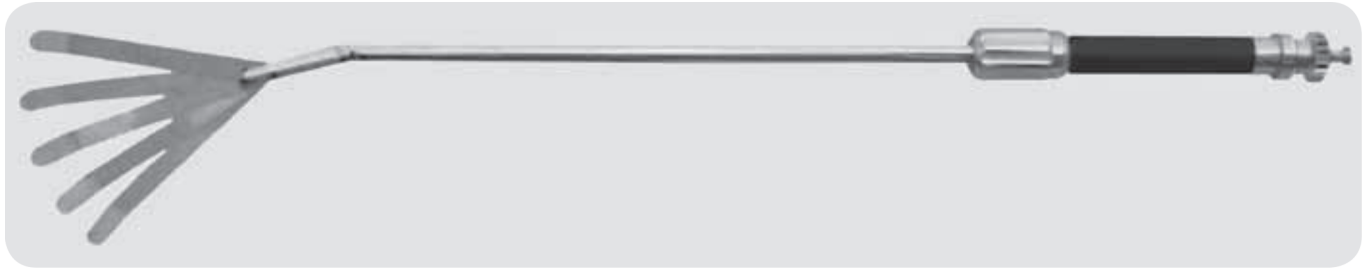
**VERRES NEEDLE WITH STOPCOCK**

INSTRUMENT	DIAMETER	LENGTH	FEATURES
31-2327	2.3mm	100mm	Stopcock
31-2350	2.3mm	120mm	Stopcock
31-2352	2.3mm	150mm	Stopcock



**NEEDLE FOR INJECTION AND IRRIGATION**

INSTRUMENT	DIAMETER	LENGTH	FEATURES
31-2355	5mm	33cm	Luer Lock, 2mm Hollow Needle
31-2355-45	5mm	45cm	Luer Lock, 2mm Hollow Needle



**FAN RETRACTOR**

INSTRUMENT	DIAMETER	LENGTH	FEATURES
31-4563	10mm	33cm	5 Finger Articulating Fan, Slightly Bent
31-4562	5mm	33cm	3 Finger Articulating Fan, Slightly Bent

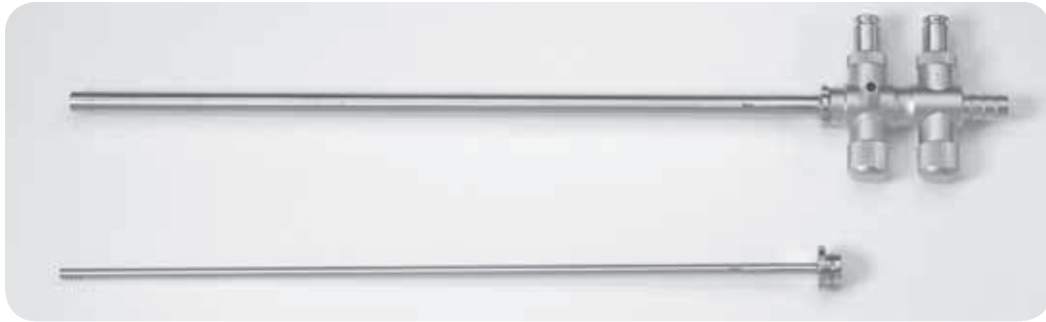


**TC NEEDLEHOLDER**

**NON-INSULATED WITH TUNGSTEN CARBIDE JAW INSERTS AND AXIAL HANDLE**

COMPLETE INSTRUMENT	DIAMETER	LENGTH	FEATURES
31-2550	5mm	33cm	Standard, Straight, Flushable Shaft, 10mm Jaw Axial Handle
31-2550-45	5mm	45cm	Standard, Straight, Flushable Shaft, 10mm Jaw Axial Handle
31-2551	5mm	33cm	Standard, Curved Right, Flushable Shaft, 10mm Jaw Axial Handle
31-2552	5mm	33cm	Standard, Curved Left, Flushable Shaft, 10mm Jaw Axial Handle
31-2552-45	5mm	45cm	Standard, Curved Left, Flushable Shaft, 10mm Jaw Axial Handle
31-2553	5mm	33cm	Standard, Straight, Solid Shaft, 8mm Jaw Axial Handle



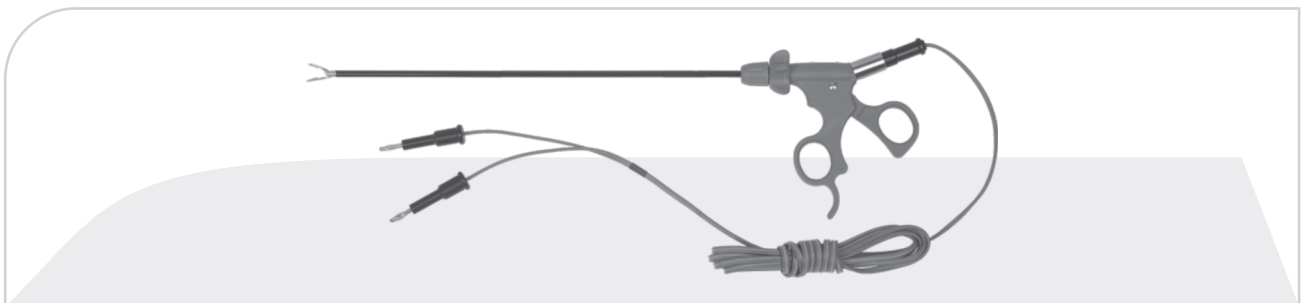


**HIGH-VOLUME SUCTION IRRIGATION SYSTEM**

COMPLETE INSTRUMENT	DIAMETER	LENGTH	FEATURES
31-2239	5mm 10mm	33cm	Dual Trumpet Valve (includes both 5mm and 10mm Sheaths)
31-2347	5mm	33cm	Sheath Only
31-2349	10mm	33cm	Sheath Only



Item No.	Description
ZJ-F251 ZJ-F105	Single jaw action
ZJ-F107	Right angled
ZJ-F106	Double jaw action
ZJ-F108.1	Biological



Item No.	Description	Size
ZJ-F364	Bipolar-dissecting forceps	φ 5x330mm

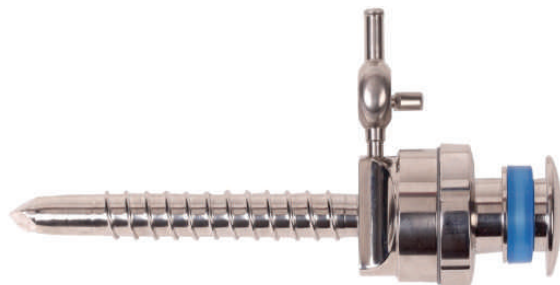
## TROCAR CANNULA



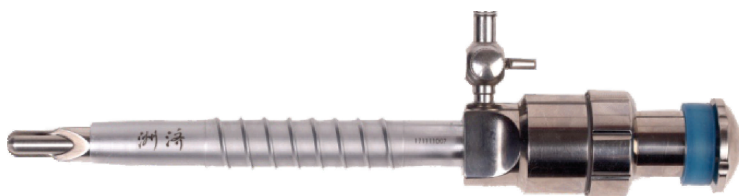
Item No.	Description	Size
ZJ-F163.2	TROCAR Magnetic	φ 5x95mm



Item No.	Description	Size
ZJ-F161.01	TROCAR Magnetic(with safety)	φ 5x95mm



Item No.	Description	Size
ZJ-F162.04	TROCAR Magnetic,Screw rod	φ 5x95mm



Item No.	Description	Size
ZJ-F161.03	TROCAR Magnetic,screw-thread(with safety)	φ 5x95mm