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Thoracoscopic
Minimally
Invasive
Instruments



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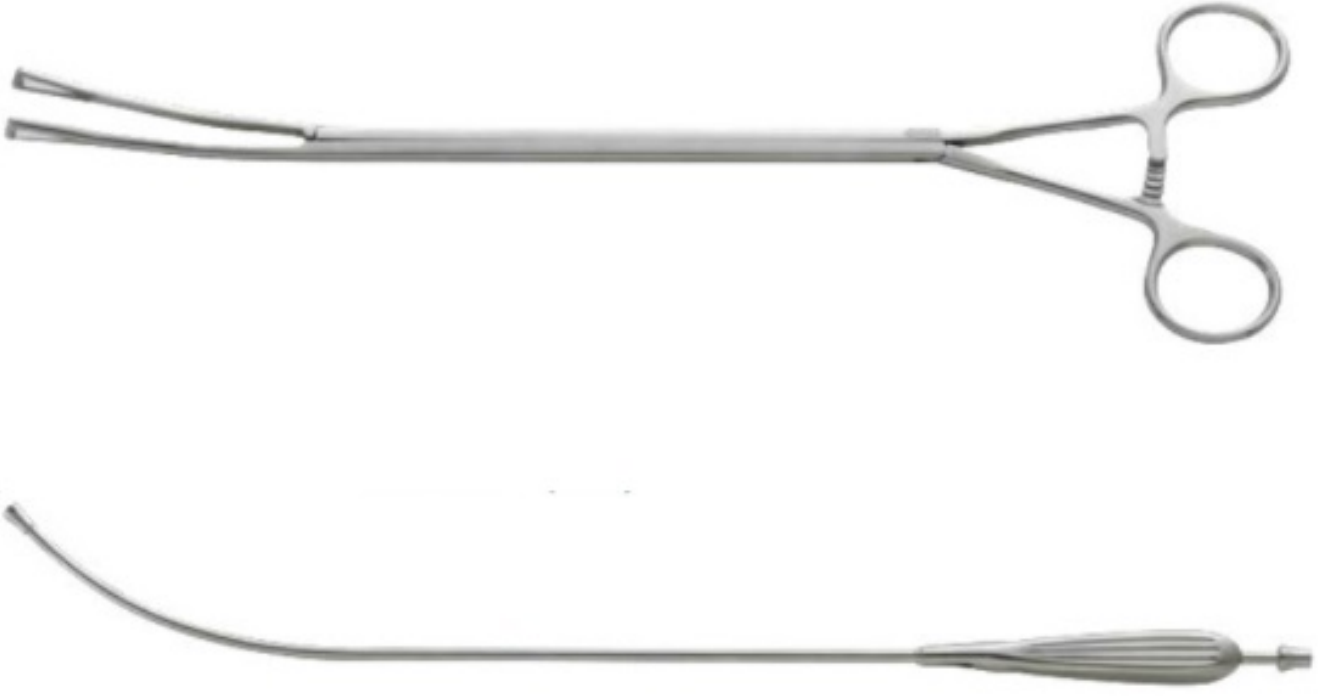
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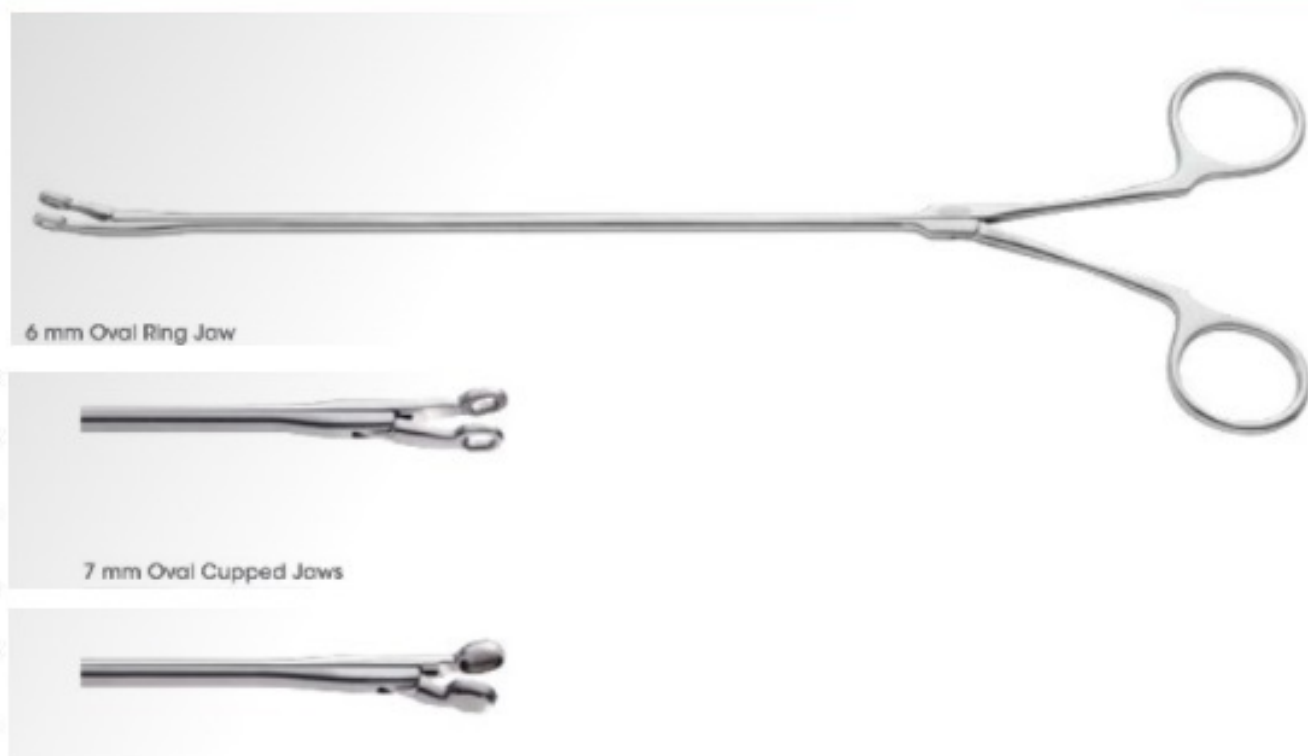
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D'Amico Biopsy Forceps, Ring Handle, Shorter Length

Developed in cooperation with Thomas A. D'Amico, MD

Cat. No.	Description	Shaft	Working Length	Total Length
VM-0302	6 mm Width Oval Ring Jaws Curved With Ratchet	5 mm Tapered to 7 mm	9" (23 cm)	13" (33 cm)
VM-0303	6 mm Width Oval Ring Jaws Curved Without Ratchet			
VM-0312	7 mm Width Oval Cupped Jaws Curved With Ratchet			
VM-0313	7 mm Width Oval Cupped Jaws Curved Without Ratchet			



6 mm Oval Ring Jaws



7 mm Oval Cupped Jaws



D'Amico Mediastinoscopy Forceps

Developed in cooperation with Thomas A. D'Amico, MD

Cat. No.	Description	Shaft	Working Length	Total Length
VM-0300	6 mm Width Oval Ring Jaws Curved With Ratchet	7 mm	11" (28 cm)	15" (38 cm)
VM-0301	6 mm Width Oval Ring Jaws Curved Without Ratchet			
VM-0310	7 mm Width Oval Cupped Jaws Curved With Ratchet			
VM-0311	7 mm Width Oval Cupped Jaws Curved Without Ratchet			



3.0 cm inner diameter and 3.7 cm outer diameter



4.5 cm inner diameter and 5.2 cm outer diameter

Rocco Nodule Clamps

Developed in cooperation with Gastone Rocco, MD, FRCSEd, FEBTS, FCCP

Cat. No.	Description	Suggested Nodule Size*	Shaft	Working Length	Total Length
VM-0946	Curved left ring jaws 3.0 cm inner diameter and 3.7 cm outer diameter with ratchet	Up to 1 cm	10 mm	9 1/2" (24 cm)	13 1/4" (33.5 cm)
VM-0947	Curved left ring jaws 4.5 cm inner diameter and 5.2 cm outer diameter with ratchet	Between 1 and 1.5 cm			



Gonzalez-Rivas Lung Grasping Clamp

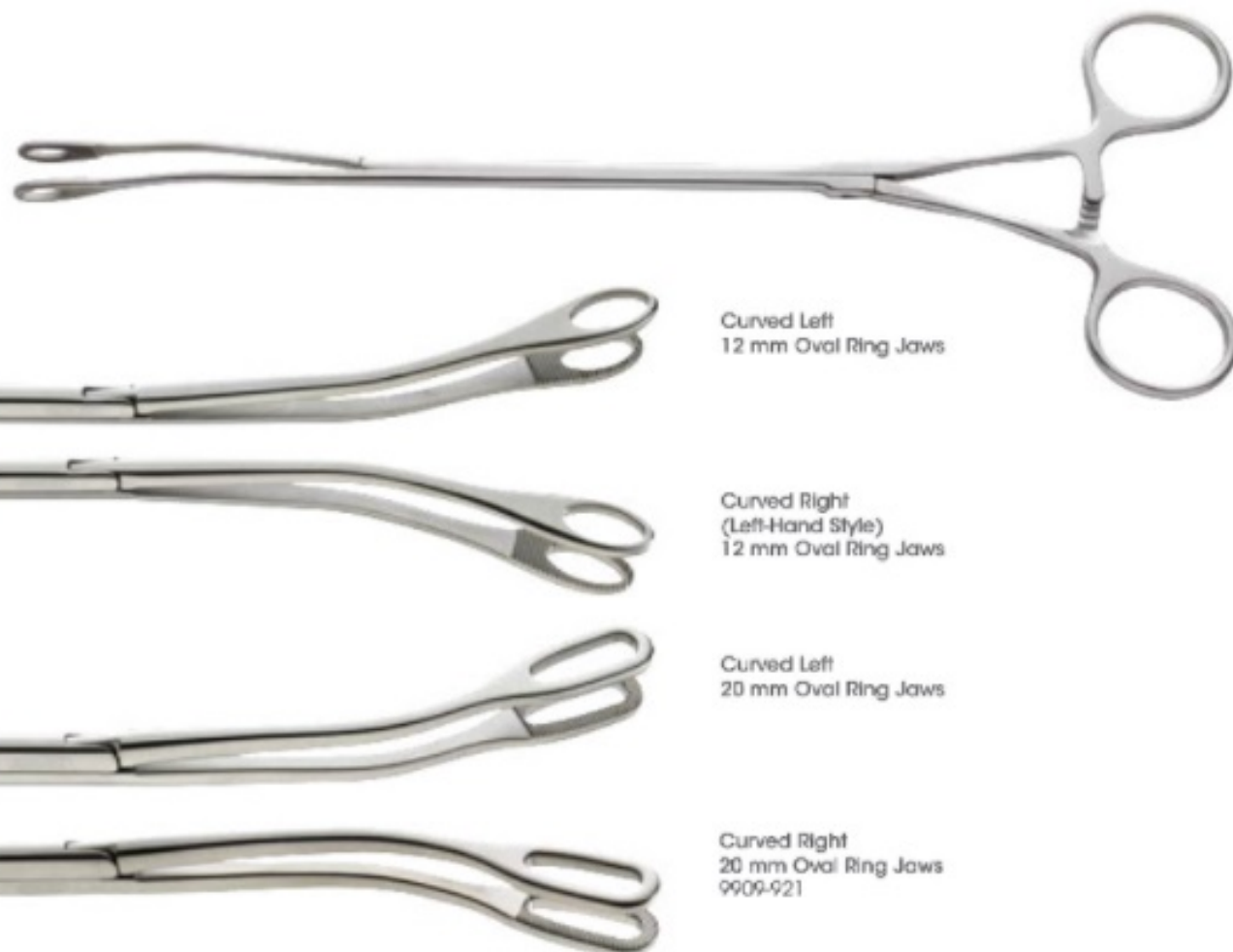
Developed in cooperation with Diego Gonzalez-Rivas, MD, FECTS

Cat. No.	Description	Shaft	Working Length	Total Length
VM-0230	High tension Curved left 20 mm oval ring jaws With ratchet	7 mm Tapered to 10 mm	5 3/4" (14.5 cm)	9 3/4" (24.5 cm)



Foerster Lung Grasping Clamp

Cat. No.	Description	Shaft	Working Length	Total Length
VM-0229	Curved left 20 mm oval ring jaws with ratchet	5 mm Tapered to 7 mm	9 1/4" (23.5 cm)	13 1/4" (33.5 cm)
VM-0237			12 1/2" (32 cm)	16 1/2" (41.9 cm)



Curved Left
12 mm Oval Ring Jaws

Curved Right
(Left-Hand Style)
12 mm Oval Ring Jaws

Curved Left
20 mm Oval Ring Jaws

Curved Right
20 mm Oval Ring Jaws
9909-921

Foerster Lung Grasping Clamp

Cat. No.	Description	Shaft	Working Length	Total Length
VM-0227	Curved Right Jaws (Left-Hand Style) 12 mm Oval Ring Jaws With Ratchet	7 mm	7 1/2" (19 cm)	11 1/2" (29 cm)
VM-0228	Curved Left Jaws 12 mm Oval Ring Jaws With ratchet			
VM-0921	Curved Right (Left-Hand Style) 20 mm Oval Ring Jaws With Ratchet	10 mm	7 1/2" (19 cm)	11 1/2" (29 cm)
VM-0922	Curved Left 20 mm Oval Ring Jaws With Ratchet			



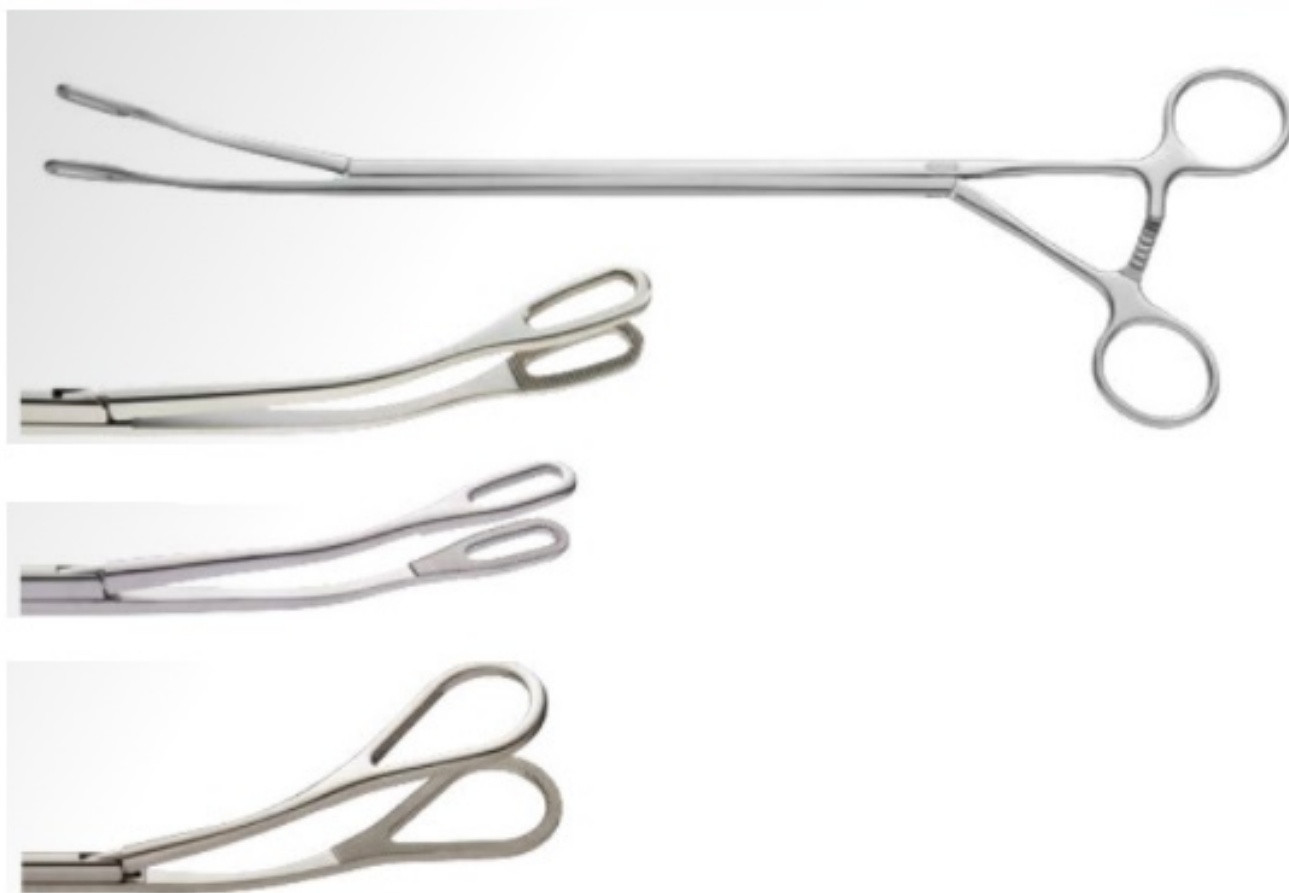
Foerster Lung Grasping Clamp

Cat. No.	Description	Shaft	Working Length	Total Length
VM-0226	Curved left jaws 12 mm oval ring jaws With ratchet	7 mm	9 1/4" (23.5 cm)	13 1/4" (33.5 cm)



Foerster Lung Grasping Clamp

Cat. No.	Description	Shaft	Working Length	Total Length
VM-0923	Deep curved left jaws 20 mm oval ring jaws With ratchet	10 mm	9 1/2" (24 cm)	13" (33 cm)
VM-0919	Deep curved left jaws 20 mm oval ring jaws With ratchet		12 1/2" (32 cm)	16 3/4" (42.4 cm)



Foerster Lung Grasping Clamp

Cat. No.	Description	Shaft	Working Length	Total Length
VM-0920	Curved left jaws 20 mm oval ring jaws With ratchet	10 mm	9 1/2" (24 cm)	13 1/4" (33.5 cm)
VM-0920-1	Curved left jaws 20 mm oval ring jaws Without ratchet			
VM-0925	Curved left jaws 20 mm oval ring jaws With ratchet		12 1/2" (32 cm)	16 3/4" (42.4 cm)
VM-0924	Curved left jaws 25 x 35 mm oval ring jaws With ratchet		9 1/2" (24 cm)	13 1/4" (33.5 cm)



Duval Lung Grasping Clamp

Cat. No.	Description	Shaft	Working Length	Total Length
VM-0926	Curved left jaws 1.0 cm width triangular ring jaws With ratchet	10 mm	9 1/4" (23.5 cm)	13 1/2" (34 cm)
VM-0928			12 1/2" (32 cm)	16 3/4" (42.4 cm)
VM-0927	Curved left jaws 2.5 cm width triangular ring jaws With ratchet		9 1/4" (23.5 cm)	13 1/2" (34 cm)



Node Grasping Clamp

Cat. No.	Description	Shaft	Working Length	Total Length
VM-0922	Straight jaws 11 mm oblong ring jaws With ratchet	5 mm	9" (23 cm)	13" (33 cm)
VM-0923	Curved jaws 11 mm oblong ring jaws With ratchet			
VM-0925	Curved jaws 11 mm oblong ring jaws Without ratchet			
VM-0990	Thoracoscopic Grasping Dissector Curved jaws 11 mm oblong ring jaws With ratchet NOTE: Ratchets are tuned to engage after jaws meet.			
VM-0920	Curved jaws 11 mm oblong ring jaws With ratchet	5 mm Tapered to 7 mm	12 1/2" (32 cm)	16 3/4" (42.4 cm)
VM-0921	Curved jaws 11 mm oblong ring jaws Without ratchet			



Khan Decortication Grasper Clamp

Developed in cooperation with Prof. Ali Zamir Khan, MS, FRCS(Glasg), FRCS(CTH), FEBTS, MBA

Cat. No.	Description	Shaft	Working Length	Total Length
VM-0940	Enhanced serrations Curved left jaws With ratchet	10 mm	9 1/2" (24 cm)	13 1/4" (33.5 cm)

Kahn Decortication Grasper Jaws
Compared to
Foerster Clamp Jaws

Khan Decortication Grasper

VM-0940



Foerster Lung Clamp

VM-09920





VM-0910, VM-0911, VM-0914, VM-0915, VM-0916, VM-0917

1 x 2 DeBakey Jaws



VM-0912 and VM-0913

1 x 2 DeBakey Jaws Fine Tips



Gonzalez-Rivas Dissector

Developed in cooperation with Diego Gonzalez-Rivas, MD, FECTS

Cat. No.	Description	Shaft	Working Length	Total Length
VM-0910	Mixer-style 1 x 2 DeBakey jaws With ratchet	5 mm	7 1/2" (19 cm)	11 1/2" (29 cm)
VM-0911	Mixer-style 1 x 2 DeBakey jaws Without ratchet			
VM-0912	Mixer-style 1 x 2 DeBakey jaws fine tips With ratchet			
VM-0913	Mixer-style 1 x 2 DeBakey jaws fine tips Without ratchet			
VM-0914	Mixer-style 1 x 2 DeBakey jaws With ratchet	5 mm to 7 mm Tapered	9 1/2" (24 cm)	13 1/2" (34 cm)
VM-0915	Mixer-style 1 x 2 DeBakey jaws Without ratchet			
VM-0916	Mixer-style 1 x 2 DeBakey jaws With ratchet	5 mm to 7 mm Tapered	12 1/2" (32 cm)	16 1/2" (41.9 cm)
VM-0917	Mixer-style 1 x 2 DeBakey jaws Without ratchet			



Gening J SPH Snake™ Dissector

Developed in cooperation with Gening Jiang, MD

Cat. No.	Description	Shaft	Working Length	Total Length
VM-0984	Curved dissector jaws With ratchet	5 mm Tapered to 7 mm	9 1/4" (23.5 cm)	13 1/2" (34 cm)
VM-0985	Curved dissector jaws Without ratchet			
VM-0986	Curved dissector jaws With ratchet		12 1/2" (32 cm)	16 3/4" (42.4 cm)
VM-0987	Curved dissector jaws Without ratchet			



Curved Jaws

VM-0980 and VM-0981

Dennis Dissector

Cat. No.	Description	Shaft	Working Length	Total Length
VM-0980	Curved left jaws Serrated jaws With ratchet	7 mm	9" (23 cm)	13 1/4" (33.5 cm)
VM-0981	Curved left jaws Serrated jaws Without ratchet			
VM-0982	Curved left jaws Serrated jaws With ratchet	5 mm Tapered To 7 mm	12.50" (32 cm)	16 3/4" (42.4 cm)
VM-0983	Curved left jaws Serrated jaws Without ratchet			



90° Angled Jaws

VM-09902 and VM-09903

DeBakey Cooley Clamps

Cat. No.	Description	Shaft	Working Length	Total Length
VM-09902	DeBakey Cooley Jaws With Ratchet	10 mm	9 1/2" (24 cm)	13 1/2" (34 cm)
VM-09903	DeBakey Cooley Jaws Without Ratchet			



Harken #1
Tapered 1 x 2 DeBakey Jaws

Harken #2
Tapered 1 x 2 DeBakey Jaws

Harken Clamps

Cat. No.	Description	Shaft	Working Length	Total Length
VM-0950	7.5 cm jaws Tapered 1x2 DeBakey jaws Without ratchet	5 mm to 7 mm tapered	7 1/2" (19 cm)	11 1/2" (29 cm)
VM-0951	7.5 cm jaws Tapered 1x2 DeBakey jaws With ratchet			
VM-0952	7.5 cm jaws Tapered 1x2 DeBakey jaws Without ratchet	10 mm	9 7/8" (25 cm)	14" (35.6 cm)
VM-0953	7.5 cm jaws Tapered 1x2 DeBakey jaws With ratchet			
VM-09924	9.5 cm jaws Tapered 1x2 DeBakey jaws Without ratchet	10 mm	9 7/8" (25 cm)	14" (35.6 cm)
VM-09925	9.5 cm jaws Tapered 1x2 DeBakey jaws With ratchet			
VM-09926	9.5 cm jaws Tapered 1x2 DeBakey jaws Without ratchet	10 mm	9 7/8" (25 cm)	14" (35.6 cm)
VM-09927	9.5 cm jaws Tapered 1x2 DeBakey jaws With ratchet			

**VM-0970****VM-0974****VM-0975**

Allis Forceps

Cat. No.	Description	Shaft	Working Length	Total Length
VM-0970	Curved left jaws 6 mm width jaws With ratchet	7 mm	9" (23 cm)	13 1/4" (33.5 cm)
VM-0974	Straight jaws 4 mm width jaws With ratchet	5 mm Tapered to 7 mm	7 1/2" (19 cm)	11 1/2" (29 cm)
VM-0975	Curved left jaws 4 mm width jaws With ratchet			

**VM-09919 and VM-09921**

Curved 1 x 2 Tapered DeBakey Jaws

**D'Amico Tapered Jaw Tip
Compared to
Chitwood DeBakey Jaw Tip****VM-09919 and VM-09921**D'Amico curved tapered
1 x 2 DeBakey jaws**VM-09922**

Straight 1 x 2 Tapered DeBakey Jaws

**VM-09922**
Chitwood curved
1 x 2 DeBakey jaws

D'Amico DeBakey Clamps

Developed in cooperation with Thomas A. D'Amico, MD

Cat. No.	Description	Shaft	Working Length	Total Length
VM-09919	Curved left jaws Tapered 1x2 DeBakey jaws 11 cm jaw length Without ratchet	10 mm	10" (25.4 cm)	14 1/2" (37 cm)
VM-09921	Curved left jaws Tapered 1x2 DeBakey jaws 11 cm jaw length With ratchet			
VM-09922	Straight jaws Tapered 1x2 DeBakey jaws 11.5 cm jaw length With ratchet		10 1/2" (27 cm)	14 3/4" (37.5 cm)



1 x 2 DeBakey Jaws

Chitwood DeBakey Clamps

Developed in cooperation with W. Randolph Chitwood Jr., MD

Cat. No.	Description	Shaft	Working Length	Total Length
VM-0940	6 cm jaw length Curved left jaws 1 x 2 DeBakey jaws With ratchet	5 mm	8 1/4" (21 cm)	12 1/4" (31 cm)
VM-0941	6 cm jaw length Curved left jaws 1 x 2 DeBakey jaws Without ratchet			



1 x 2 DeBakey Jaws



1 x 2 DeBakey Jaws



2 x 3 DeBakey Jaws



Chitwood DeBakey Clamps

Developed in cooperation with W. Randolph Chitwood Jr., MD

Cat. No.	Description	Shaft	Working Length	Total Length
VM-09912	6.5 cm jaw length 1x2 DeBakey jaws Curved left jaws With ratchet	10 mm	9" (23 cm)	12 3/4" (32.5 cm)
VM-09912-13	10 cm jaw length 1x2 DeBakey jaws Curved left jaws With ratchet		10" (25.4 cm)	14 1/4" (36 cm)
VM-09932	10 cm jaw length 2x3 DeBakey jaws Curved left jaws With ratchet			



VM-09915
1 x 2 DeBakey Jaws



VM-09914
1 x 2 DeBakey Jaws



Chitwood DeBakey Clamps

Developed in cooperation with W. Randolph Chitwood Jr., MD

Cat. No.	Description	Shaft	Working Length	Total Length
VM-09914	7 cm jaw length Curved left jaw 1x2 DeBakey jaws With ratchet	10 mm	6 3/4" (17 cm)	10 3/8" (26.4 cm)
VM-09915	7 cm jaw length Curved right jaw 1x2 DeBakey jaws With ratchet			

**VM-09934**

2 x 3 DeBakey Jaws

VM-09934

Chitwood DeBakey Clamps

Developed in cooperation with W. Randolph Chitwood Jr., MD

Cat. No.	Description	Shaft	Working Length	Total Length
VM-09934	8 cm jaw length Curved left jaws 2 x 3 DeBakey jaws Angled shanks	10 mm	6 1/8" (13 cm)	8" (20.5 cm)

VM-09913

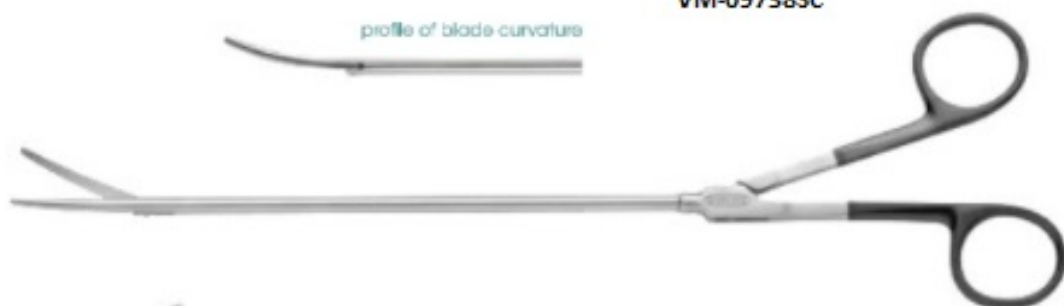
Chitwood DeBakey Clamps

Developed in cooperation with W. Randolph Chitwood Jr., MD

Cat. No.	Description	Shaft	Working Length	Total Length
VM-09913	7 cm jaw length Curved left jaws 1 x 2 DeBakey jaws Angled shanks	10 mm	6 3/4" (17 cm)	9 3/4" (24.5 cm)

**VM-09738SC**

profile of blade curvature



Straight Fine Blades

VM-09716SC

Curved Blades

VM-09718SC

Curved Blades

VM-09738SC

Chitwood Dissecting Scissors

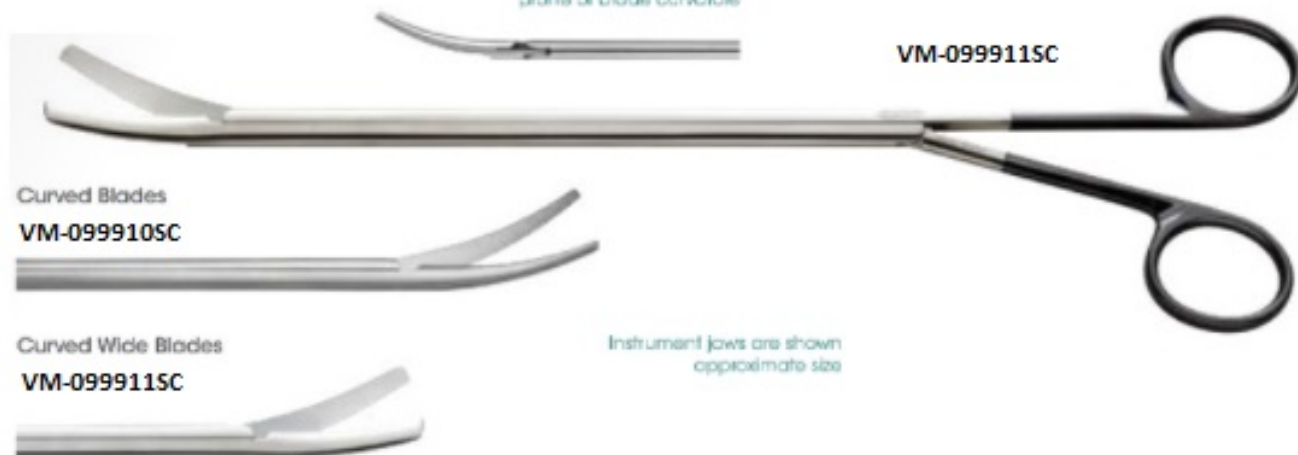
Developed in cooperation with W. Randolph Chitwood Jr., MD

Cat. No.	Description	Shaft	Working Length	Total Length
VM-09716SC	Straight fine blades 1 cm blade length Blunt micro tips	5 mm	6 1/2" (16.5 cm)	10 1/2" (27 cm)
VM-09718SC	Curved Fine Blades 1 cm Blade Length Blunt Micro Tips		6 1/2" (16.5 cm)	10 1/2" (27 cm)
VM-09738SC	Chitwood dissecting scissors Curved blades 3 cm blade length Blunt tips		7 1/4" (18.5 cm)	11 1/2" (29 cm)

**VM-09710SC****Metzenbaum Scissors**

Cat. No.	Description	Shaft	Working Length	Total Length
VM-09710SC	Curved blades 3.1 cm blade length Blunt tips	8 mm	12 1/2" (32 cm)	16 1/2" (42.1 cm)

profile of blade curvature

VM-099911SC**Curved Blades**
VM-099910SC**Curved Wide Blades**
VM-099911SCInstrument jaws are shown
approximate size**Metzenbaum Scissors**

Cat. No.	Description	Shaft	Working Length	Total Length
VM-099910SC	Curved blades 3.5 cm blade length Blunt tips	10 mm	7 3/4" (19.5 cm)	11 1/2" (29 cm)
VM-099911SC	Curved wide blades 3.5 cm blade length Blunt tips			



VM-09530

Curved DeBakey Jaws, 2.5 mm Width

VM-09530

Gonzalez-Rivas Forceps

Developed in cooperation with Diego Gonzalez-Rivas, MD, FECTS

Cat. No.	Description	Shaft	Working Length	Total Length
VM-09530	8 mm diamond knurling 2.5 mm width curved DeBakey jaws without ratchet	5 mm	6 3/8" (16.2 cm)	12 3/4" (32.5 cm)
VM-09532			8" (20 cm)	14-3/8" (36.5 cm)

Axial Handle Forceps

VM-09528

DeBakey Jaws, 2.5 mm Width

VM-09528

Instrument jaws are shown
approximate size

Axial Handle Forceps

Round Handle | 8 mm Diameter Knurling

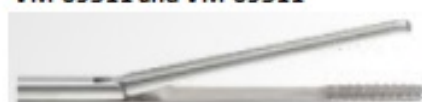
Cat. No.	Description	Shaft	Working Length	Total Length
VM-09528	2.5 mm width DeBakey jaws Without ratchet	5 mm	6 1/4" (16 cm)	12 1/2" (32 cm)



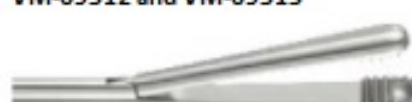
VM-09524



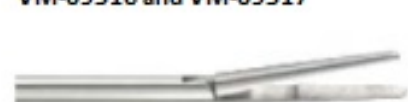
Resano Jaws, 2.5 mm Width
VM-09511 and VM-09511



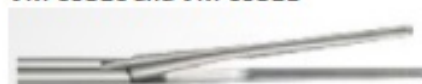
Russian Jaws, 6 mm Width
VM-09512 and VM-09513



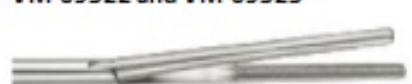
Platform DIAMOND DUST™, 2 mm Width
VM-09516 and VM-09517



DeBakey Jaws, 1.5 mm Width
VM-09520 and VM-09521



DeBakey Jaws, 2.5 mm Width
VM-09522 and VM-09523



DeBakey Jaws, 3.5 mm Width
VM-09524 and VM-09525



Axial Handle Forceps

Round Handle | 10 mm Diameter Knurling

Cat. No.	Description	Shaft	Working Length	Total Length
VM-09510	2.5 mm width Resano jaws Without ratchet	5 mm	8" (20 cm)	14 1/4" (36 cm)
VM-09511	2.5 mm width Resano jaws With ratchet			
VM-09512	6 mm width Russian jaws Without ratchet			
VM-09513	6 mm width Russian jaws With ratchet			
VM-09516	2 mm width Platform DIAMOND DUST™ jaws Without ratchet			
VM-09517	2 mm width Platform DIAMOND DUST™ jaws With ratchet			
VM-09520	1.5 mm width DeBakey jaws Without ratchet			
VM-09521	1.5 mm width DeBakey jaws With ratchet			
VM-09522	2.5 mm width DeBakey jaws Without ratchet			
VM-09523	2.5 mm width DeBakey jaws With ratchet			
VM-09524	3.5 mm width DeBakey jaws Without ratchet			
VM-09525	3.5 mm width DeBakey jaws With ratchet			



Rocco Adventitia Elevator (Forceps)

Developed in cooperation with Gaetano Rocco, MD, FRCScd, FETCS, FCCP

Cat. No.	Description	Shaft	Working Length	Total Length
VM-09500	DIAMOND DUST™ Jaws Curved Down Without Ratchet Ring Handle Curved Down	5 mm	8" (20 cm)	12 3/4" (32.5 cm)

Spring Style Forceps



DeBakey Jaws, 1 mm Width

VM-09420

DeBakey Jaws, 2 mm Width

VM-09422

Jacobson Spring Style Forceps

Round Handle | 8 mm Diameter Knurling

Cat. No.	Description	Shaft	Working Length	Total Length
VM-09420	1 mm width straight DeBakey jaws Without ratchet	5 mm	7 3/4" (19.5 cm)	16" (41 cm)
VM-09422	2 mm width straight DeBakey jaws Without ratchet			



Straight DIAMOND DUST™ Jaws,
for 5-0 Suture

VM-09648

Curved DIAMOND DUST™ Jaws,
for 5-0 Suture

VM-09650



Jacobson Spring Style Needle Holders

Round Handle | 8 mm Diameter Knurling

Cat. No.	Description	Suture Size	Shaft	Working Length	Total Length
VM-09648	Straight DIAMOND DUST™ Jaws With Ratchet	5-0 and Smaller	5 mm	6 1/2" (16.5 cm)	16 3/8" (38.5 cm)
VM-09650	Curved DIAMOND DUST™ Jaws With Ratchet				



Straight DIAMOND DUST™ Jaws for 5-0 Suture

VM-09618



Instrument jaws are shown
approximate size



Ring Handle Needle Holders

Cat. No.	Description	Suture Size	Shaft	Working Length	Total Length
VM-09618	Straight jaws Fine DIAMOND DUST™ jaws With ratchet	5-0 and Smaller	5 mm	6 1/2" (16.5 cm)	10 1/2" (27 cm)



Straight Carbon-Inlay Jaws for 4-0 Suture

VM-09636



Curved Carbon-Inlay Jaws for 4-0 Suture

VM-09637



Straight Carbon-Inlay Jaws for 2-0 Suture

VM-09638



Curved Carbon-Inlay Jaws for 2-0 Suture

VM-09639



Instrument jaws are shown
approximate size

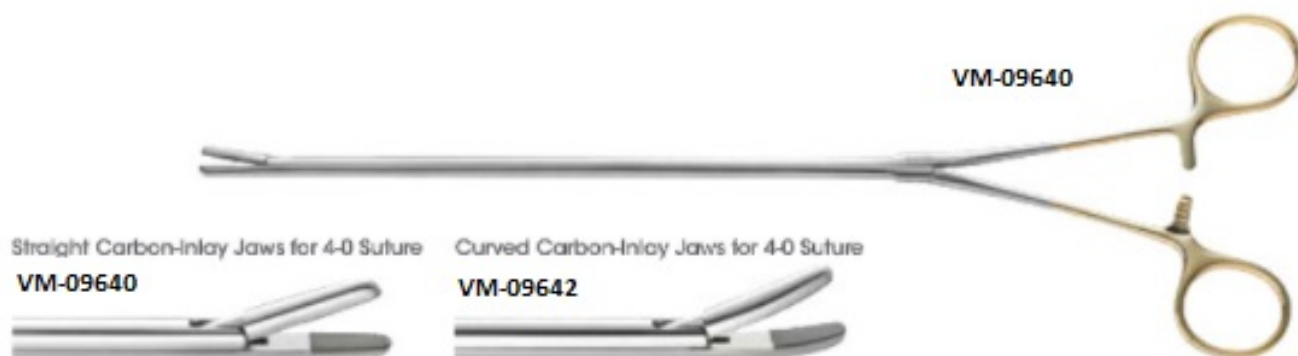
Ring Handle Needle Holders

Cat. No.	Description	Suture Size	Shaft	Working Length	Total Length
VM-09636	Straight jaws Carbon-inlay jaws Gold ring handle With ratchet	4-0 and Smaller	7 mm	6 1/4" (16 cm)	11 1/4" (28.5 cm)
VM-09637	Curved jaws Carbon-inlay jaws Gold ring handle With ratchet				
VM-09638	Straight jaws Carbon-inlay jaws Gold ring handle With ratchet	2-0 and Smaller			
VM-09639	Curved jaws Carbon-inlay jaws Gold ring handle With ratchet				



Ring Handle Needle Holders

Cat. No.	Description	Suture Size	Shaft	Working Length	Total Length
VM-09644	Straight jaws Carbon-inlay jaws Gold ring handle With ratchet	2-0 and Smaller	7 mm	12 1/2" (32 cm)	17 1/2" (44.5 cm)
VM-09645	Curved jaws Carbon-inlay jaws Gold ring handle With ratchet				



Ring Handle Needle Holders

Cat. No.	Description	Suture Size	Shaft	Working Length	Total Length
VM-09640	Straight jaws Carbon-inlay jaws Gold ring handle With ratchet	4-0 and Smaller	7 mm	8 1/2" (21.5 cm)	13 1/2" (34 cm)
VM-09642	Curved jaws Carbon-inlay jaws Gold ring handle With ratchet				



Straight Carbon-Inlay Jaws for 2-0 Suture

VM-099610

Curved Carbon-Inlay Jaws for 2-0 Suture

VM-099612



Ring Handle Needle Holders

Cat. No.	Description	Suture Size	Shaft	Working Length	Total Length
VM-099610	Straight jaws Carbon-inlay jaws Gold ring handle With ratchet	2-0 and Smaller	10 mm	8 1/4" (21 cm)	13 1/2" (34 cm)
VM-099612	Curved jaws Carbon-inlay jaws Gold ring handle With ratchet				



VM-09541



Straight DIAMOND DUST™
Jaws, for 7-0 Suture

VM-09540 and VM-09541



Curved DIAMOND DUST™
Jaws, for 7-0 Suture

VM-09542 and VM-09543



Straight DIAMOND DUST™
Jaws, for 5-0 Suture

VM-09550 and VM-09551



Curved DIAMOND DUST™
Jaws, for 5-0 Suture

VM-09552 and VM-09553



Axial Handle Needle Holders

Cat. No.	Description	Suture Size	Shaft	Working Length	Total Length
VM-09540	Straight DIAMOND DUST™ Jaws Without ratchet	7-0 and Smaller	5 mm	8" (20 cm)	14 3/8" (36.5 cm)
VM-09541	Straight DIAMOND DUST™ Jaws With ratchet				
VM-09542	Curved DIAMOND DUST™ Jaws Without ratchet				
VM-09543	Curved DIAMOND DUST™ Jaws With ratchet				
VM-09550	Straight DIAMOND DUST™ Jaws Without ratchet	5-0 and Smaller	6 mm	8" (20 cm)	14 3/8" (36.5 cm)
VM-09551	Straight DIAMOND DUST™ Jaws With ratchet				
VM-09552	Curved DIAMOND DUST™ Jaws Without ratchet				
VM-09553	Curved DIAMOND DUST™ Jaws With ratchet				



VM-09571



Straight Carbon-Inlay Jaws,
for 2-0 Suture
VM-09570 and VM-09571



Curved Carbon-Inlay Jaws,
for 2-0 Suture
VM-09572 and VM-09573



Straight Carbon-Inlay Jaws,
for 4-0 Suture
VM-09560 and VM-09561



Curved Carbon-Inlay Jaws,
for 4-0 Suture
VM-09562 and VM-09563



Axial Handle Needle Holders

Cat. No.	Description	Suture Size	Shaft	Working Length	Total Length
VM-09570	Straight Carbon-inlay jaws Gold tipped handle Without ratchet	2-0 and Smaller	7 mm	8" (20 cm)	14 3/8" (36.5 cm)
VM-09571	Straight Carbon-inlay jaws Gold tipped handle With ratchet				
VM-09572	Curved Carbon-Inlay jaws Gold tipped handle Without ratchet				
VM-09573	Curved Carbon-Inlay jaws Gold tipped handle With ratchet				
VM-09560	Straight Carbon-inlay jaws Gold tipped handle Without ratchet	4-0 and Smaller			
VM-09561	Straight Carbon-inlay jaws Gold tipped handle With ratchet				
VM-09562	Curved Carbon-Inlay jaws Gold tipped handle Without ratchet				
VM-09563	Curved Carbon-Inlay jaws Gold tipped handle With ratchet				

**VM-09826-14**

Gonzalez-Rivas Knot Pusher

Developed in cooperation with Diego Gonzalez-Rivas, MD, FECTS

Cat. No.	Description	Shaft	Working Length	Total Length
VM-09826-14	Curved U-tip	5 mm	10 1/2" (27 cm)	14 3/4" (37.5 cm)
VM-09826-17			12 1/2" (32 cm)	16 3/4" (42.4 cm)



VM-09827-11



Chitwood Knot Pusher Mini "Trap Model"

Developed in cooperation with W. Randolph Chitwood Jr. MDS

Cat. No.	Description	Suture Size	Shaft	Working Length	Total Length
VM-09827-11	"Trap Model"	2-0 and Smaller	5 mm	5 1/8" (13 cm)	11" (28 cm)
VM-09827-12				5 1/2" (14 cm)	12" (30.5 cm)
VM-09827-13				6 3/4" (17 cm)	13 5/8" (34.6 cm)
VM-09827-15				8 1/2" (21.5 cm)	15 3/8" (39.1 cm)

VM-09828



Chitwood Knot Pusher Original "Trap Model"

Developed in cooperation with W. Randolph Chitwood Jr. MD

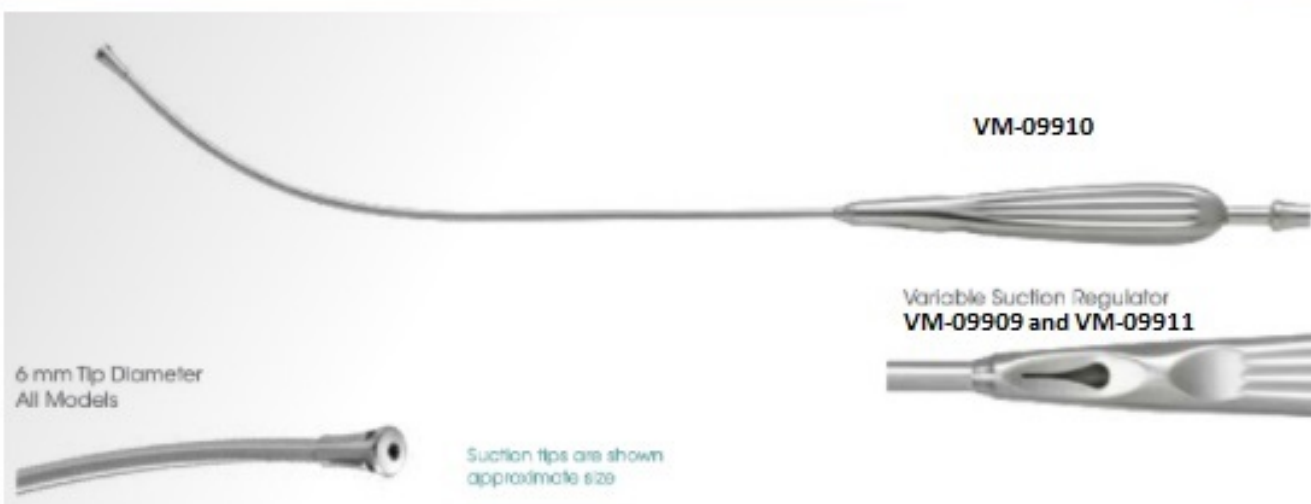
Cat. No.	Description	Suture Size	Shaft	Working Length	Total Length
VM-09828	Original "Trap Model"	2-0 and Smaller	5 mm	6 1/8" (15.5 cm)	12 1/2" (32 cm)
VM-09828-15	Original "Trap Model"			8 1/2" (21.5 cm)	15 3/8" (39.1 cm)
VM-09828-16	Original "Trap Model" Long Handle			7 1/4" (18.5 cm)	15 3/4" (40 cm)

**VM-098385C**

Chitwood Super Cut™ Suture Cutter

Developed in cooperation with W. Randolph Chitwood Jr. MD

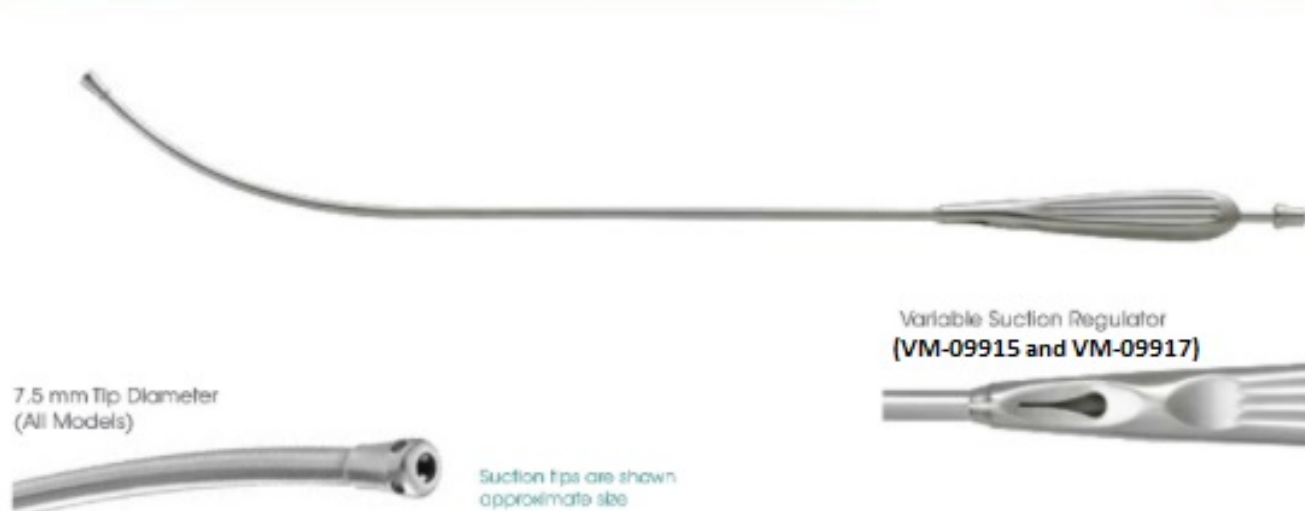
Cat. No.	Description	Suture Size	Shaft	Working Length	Total Length
VM-098385C	"Trap Model"	2-0 and Smaller	5 mm	7" (18 cm)	11" (28 cm)
VM-098405C				9" (23 cm)	13" (33 cm)
VM-098425C				11" (28 cm)	15" (38 cm)



Wolf Suction Instrument

Developed in cooperation with Randall K. Wolf, MD

Cat. No.	Description	Shaft	Working Length	Total Length
VM-09908	Curved blunt tip 6 mm width tip	3.2 mm	6 3/4" (17 cm)	12 1/4" (31 cm)
VM-09909	Variable suction Curved blunt tip 6 mm width tip			
VM-09910	Curved blunt tip 6 mm width tip		8 3/4" (22 cm)	14 1/4" (36 cm)
VM-09911	Variable suction Curved blunt tip 6 mm width tip			
VM-09912	Curved blunt tip 6 mm width tip	3.2 mm to 5 mm	8 3/4" (22 cm)	14 1/4" (36 cm)
VM-09913	Variable suction Curved blunt tip 6 mm width tip			



Dennis Suction Instrument

Cat. No.	Description	Shaft	Working Length	Total Length
VM-09914	Curved blunt tip 7.5 mm width tip	5 mm	8 3/4" (22 cm)	14 1/4" (36 cm)
VM-09915	Variable suction Curved blunt tip 7.5 mm width tip			
VM-09916	Curved blunt tip 7.5 mm width tip		12 1/2" (32 cm)	17 3/4" (45.5 cm)
VM-09917	Variable suction Curved blunt tip 7.5 mm width tip			



D' Amico Suction Instrument

Developed in cooperation with Thomas A. D'Amico, MD

Cat. No.	Description	Shaft	Working Length	Total Length
VM-09900	Straight blunt tip 5 mm width tip	5 mm	12 1/2" (32 cm)	17 3/4" (45.5 cm)
VM-09901	Variable suction Straight blunt tip 5 mm width tip			



10 mm Tip Diameter
(VM-09920 and VM-09921)



Suction tips are shown
approximate size

Variable Suction Regulator
VM-09921



D' Amico Suction Instrument

Developed in cooperation with Thomas A. D'Amico, MD

Cat. No.	Description	Shaft	Working Length	Total Length
VM-09920	Straight blunt tip 10 mm width tip	10 mm	12 1/2" (32 cm)	17 3/4" (45.5 cm)
VM-09921	Variable suction Straight blunt tip 10 mm width tip			
VM-09924	Curved blunt tip 10 mm width tip			
VM-09925	Variable suction Curved blunt tip 10 mm width tip			

**VM-099900****VM-099900****VM-099902****VM-099904**

Dennis Rib Cutter

Cat. No.	Description	Cutting Width	Blade Height	Shaft	Working Length	Total Length
VM-099900	Straight shaft	16 mm	10 mm	10 mm	11 1/2" (29 cm)	13 1/2" (34 cm)
VM-099902	Straight shaft	25 mm	15 mm			
VM-099904	Straight shaft	25 mm	20 mm			

**VM-09823-14**

Perosteal Elevator

Cat. No.	Description	Working Length	Total Length
VM-09823-14	Perosteal Elevator	10 3/4" (27.3 cm)	14 3/4" (37.5 cm)
VM-09823-17		12 3/4" (32.5 cm)	16 3/4" (43.4 cm)

**VM-04185**

Stern™ Chest Tube Passer

Cat. No.	Description	Shaft	Working Length	Total Length
VM-04185	Without ratchet	10 mm	6 7/8" (17.5 cm)	9 3/4" (24.8 cm)
VM-04186	With ratchet			
VM-04189	Without ratchet		11" (28 cm)	14" (35.6 cm)



VM-09816



3.1 mm Tip
VM-09820



1.75 mm Tip
VM-09816



Chitwood Suture Puller

Developed in cooperation with W. Randolph Chitwood Jr., MD

Cat. No.	Description	Shaft	Working Length	Total Length
VM-09816	Straight 1.75 mm Tip	3.1 mm	7 1/2" (19 cm)	11 1/2" (29 cm)
VM-09820	Straight 3.1 mm Tip			