

### Plastic handles

with rotation module and HF connection



Standard handle  
L3011100

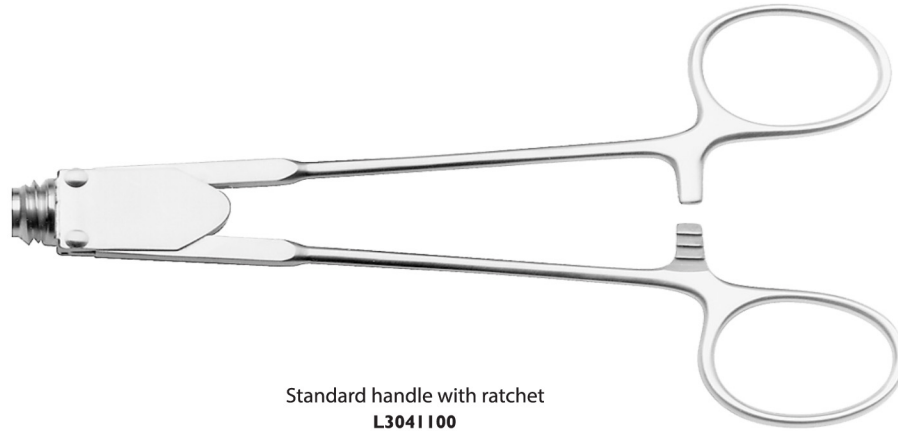


Standard handle with ratchet  
L3021100

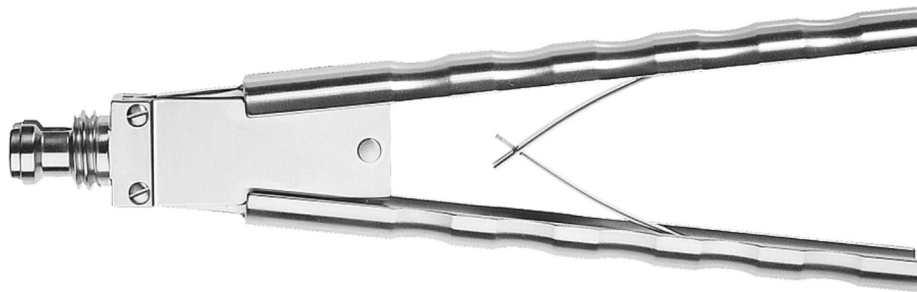


Standard handle with stepless ratchet  
L3031100

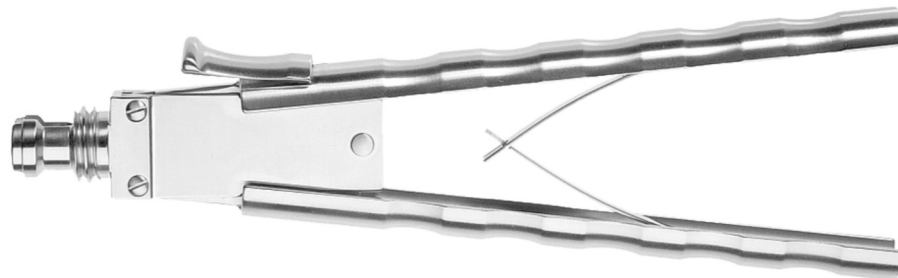
### Metal handles



Standard handle with ratchet  
**L3041100**



Standard handle with spring  
**L3061100**



Standard handle with spring and ratchet  
**L3051100**


### Tube shafts


With luer-lock





Code	Diameter	Length
L3501100	5,0 mm	330 mm
L3501200	5,0 mm	450 mm
L3501300	5,0 mm	360 mm
L3901100	10,0 mm	330 mm
L3901200	10,0 mm	360 mm
L4901200	10,0 mm	450 mm

### 3mm instrumentation


Insert	Handle	Length	Instrument
 <p>Universal grasping forceps Double action jaws L3300018</p>	L3011100	180 mm	L3310118
		210 mm	L3310018
		330 mm	L3310218
	L3021100	180 mm	L3320118
		210 mm	L3320018
		330 mm	L3320218
	L3031100	180 mm	L3330118
		210 mm	L3330018
		330 mm	L3330218


Insert	Handle	Length	Instrument
 <p>Maryland grasping forceps Double action jaws L3300043</p>	L3011100	180 mm	L3310143
		210 mm	L3310043
		330 mm	L3310243
	L3021100	180 mm	L3320143
		210 mm	L3320043
		330 mm	L3320243
	L3031100	180 mm	L3330143
		210 mm	L3330043
		330 mm	L3330243


Insert	Handle	Length	Instrument
 <p>Dissecting forceps, fenestrated Double action jaws L3300034</p>	L3011100	180 mm	L3310134
		210 mm	L3310034
		330 mm	L3310234
	L3021100	180 mm	L3320134
		210 mm	L3320034
		330 mm	L3320234
	L3031100	180 mm	L3330134
		210 mm	L3330034
		330 mm	L3330234


Insert	Handle	Length	Instrument
 <p>Grasping forceps with reservoir, blunt Double action jaws L3300010</p>	L3011100	180 mm	L3310110
		210 mm	L3310010
		330 mm	L3310210
	L3021100	180 mm	L3320110
		210 mm	L3320010
		330 mm	L3320210
	L3031100	180 mm	L3330110
		210 mm	L3330010
		330 mm	L3330210

### 3mm instrumentation


Insert	Handle	Length	Instrument
 <p>Grasping forceps with reservoir, sharp Double action jaws L3300011</p>	L3011100	180 mm	L3310111
		210 mm	L3310011
		330 mm	L3310211
	L3021100	180 mm	L3320111
		210 mm	L3320011
		330 mm	L3320211
	L3031100	180 mm	L3330111
		210 mm	L3330011
		330 mm	L3330211


Insert	Handle	Length	Instrument
 <p>Dolphin grasping forceps Double action jaws L3300024</p>	L3011100	180 mm	L3310124
		210 mm	L3310024
		330 mm	L3310224
	L3021100	180 mm	L3320124
		210 mm	L3320024
		330 mm	L3320224
	L3031100	180 mm	L3330124
		210 mm	L3330024
		330 mm	L3330224


Insert	Handle	Length	Instrument
 <p>Grasping forceps, sharp, crosswise teeth Double action jaws Length 12mm L3300019</p>	L3011100	180 mm	L3310119
		210 mm	L3310019
		330 mm	L3310219
	L3021100	180 mm	L3320119
		210 mm	L3320019
		330 mm	L3320219
	L3031100	180 mm	L3330119
		210 mm	L3330019
		330 mm	L3330219


Insert	Handle	Length	Instrument
 <p>Claw grasping forceps Single action jaws 2+3 teeth L3300001</p>	L3011100	180 mm	L3310101
		210 mm	L3310001
		330 mm	L3310201
	L3021100	180 mm	L3320101
		210 mm	L3320001
		330 mm	L3320201
	L3031100	180 mm	L3330101
		210 mm	L3330001
		330 mm	L3330201

### 3mm instrumentation


Insert	Handle	Length	Instrument
 Metzenbaum scissors, straight Double action jaws L3300150	L3011100	180 mm	L3310150
	L3061100	180 mm	L3360150
	L3011100	210 mm	L3310050
	L3061100	210 mm	L3360050
	L3011100	330 mm	L3310250
	L3061100	330 mm	L3360250


Insert	Handle	Length	Instrument
 Peritoneal scissors, straight Single action jaws L3300161	L3011100	180 mm	L3310161
	L3061100	180 mm	L3360161
	L3011100	210 mm	L3310061
	L3061100	210 mm	L3360061
	L3011100	330 mm	L3310261
	L3061100	330 mm	L3360261


Insert	Handle	Length	Instrument
 Hook scissors Single action jaws L3300165	L3011100	180 mm	L3310165
	L3061100	180 mm	L3360165
	L3011100	210 mm	L3310065
	L3061100	210 mm	L3360065
	L3011100	330 mm	L3610265
	L3061100	330 mm	L3660265

Insert	Handle	Length	Instrument
 Micro scissors straight Single action jaws L3300103	L3011100	180 mm	L3310103
	L3061100	180 mm	L3360103
	L3011100	210 mm	L3310003
	L3061100	210 mm	L3360003
	L3011100	330 mm	L3310203
	L3061100	330 mm	L3360203


### 3mm instrumentation


Insert	Handle	Length	Instrument
 <p>Biosy cup with thorn Double action jaws L3300106</p>	L3011100	180 mm	L3310106
		210 mm	L3310006
		330 mm	L3310206
	L3021100	180 mm	L3320106
		210 mm	L3320006
		330 mm	L3320206
	L3031100	180 mm	L3330106
		210 mm	L3330006
		330 mm	L3330206


Insert	Handle	Length	Instrument
 <p>Biosy cup without thorn Double action jaws L3300107</p>	L3011100	180 mm	L3310107
		210 mm	L3310007
		330 mm	L3310207
	L3021100	180 mm	L3320107
		210 mm	L3320007
		330 mm	L3320207
	L3031100	180 mm	L3330107
		210 mm	L3330007
		330 mm	L3330207


Insert	Handle	Length	Instrument
 <p>Metzenbaum scissor curved Double action jaws L3500151</p>	L3011100	180 mm	L3310151
		210 mm	L3310051
		330 mm	L3310251
	L3061100	180 mm	L3360151
		210 mm	L3360051
		330 mm	L3360251

### 5mm instrumentation


Insert	Handle	Length	Instrument
 <p>Claw grasping and extracting forceps Double action jaws 2x3 teeth L350001</p>	L3011100	330 mm	L3510001
		360 mm	L3510101
		450 mm	L4510001
	L3021100	330 mm	L3520001
		360 mm	L3520101
		450 mm	L4520001
	L3031100	330 mm	L3530001
		360 mm	L3530101
		450 mm	L4530001


Insert	Handle	Length	Instrument
 <p>Grasping forceps Double action jaws 2x4 teeth L3500005</p>	L3011100	330 mm	L3510005
		360 mm	L3510105
		450 mm	L4510005
	L3021100	330 mm	L3520005
		360 mm	L3520105
		450 mm	L4520005
	L3031100	330 mm	L3530005
		360 mm	L3530105
		450 mm	L4530005


Insert	Handle	Length	Instrument
 <p>Grasping forceps Double action jaws L3500012</p>	L3011100	330 mm	L3510012
		360 mm	L3510112
		450 mm	L4510012
	L3021100	330 mm	L3520012
		360 mm	L3520112
		450 mm	L4520012
	L3031100	330 mm	L3530012
		360 mm	L3530112
		450 mm	L4530012


Insert	Handle	Length	Instrument
 <p>Extracting forceps with row of retrograde teeth Double action jaws L3500014</p>	L3011100	330 mm	L3510014
		360 mm	L3510114
		450 mm	L4510014
	L3021100	330 mm	L3520014
		360 mm	L3520114
		450 mm	L4520014
	L3031100	330 mm	L3530014
		360 mm	L3530114
		450 mm	L4530014

### 5mm instrumentation


Insert	Handle	Length	Instrument
 <p>Universal grasping forceps Double action jaws L3500018</p>	L3011100	330 mm	L3510018
		360 mm	L3510118
		450 mm	L4510018
	L3021100	330 mm	L3520018
		360 mm	L3520118
		450 mm	L4520018
	L3031100	330 mm	L3530018
		360 mm	L3530118
		450 mm	L4530018


Insert	Handle	Length	Instrument
 <p>Grasping forceps distal with arrow teeth Single action jaws L3500030</p>	L3011100	330 mm	L3510030
		360 mm	L3510130
		450 mm	L4510030
	L3021100	330 mm	L3520030
		360 mm	L3520130
		450 mm	L4520030
	L3031100	330 mm	L3530030
		360 mm	L3530130
		450 mm	L4530030


Insert	Handle	Length	Instrument
 <p>Grasping forceps smooth Double action jaws L3500009</p>	L3011100	330 mm	L3510009
		360 mm	L3510109
		450 mm	L4510009
	L3021100	330 mm	L3520009
		360 mm	L3520109
		450 mm	L4520009
	L3031100	330 mm	L3530009
		360 mm	L3530109
		450 mm	L4530009


Insert	Handle	Length	Instrument
 <p>Grasping forceps sharp, crosswise teeth Double action jaws L3500020 length 18 mm L3500019 length 14 mm</p>	L3011100	330 mm	L3510020
		360 mm	L3510120
		450 mm	L4510020
	L3021100	330 mm	L3520020
		360 mm	L3520120
		450 mm	L4520020
	L3031100	330 mm	L3530020
		360 mm	L3530120
		450 mm	L4530020

### 5mm instrumentation


Insert	Handle	Length	Instrument
 <p>Maryland grasping forceps Double action jaws L3500042</p>	L301   100	330 mm	L3510042
		360 mm	L3510142
		450 mm	L4510042
	L302   100	330 mm	L3520042
		360 mm	L3520142
		450 mm	L4520042
	L303   100	330 mm	L3530042
		360 mm	L3530142
		450 mm	L4530042


Insert	Handle	Length	Instrument
 <p>Kelly grasping forceps Double action jaws L3500043</p>	L301   100	330 mm	L3510043
		360 mm	L3510143
		450 mm	L4510043
	L302   100	330 mm	L3520043
		360 mm	L3520143
		450 mm	L4520043
	L303   100	330 mm	L3530043
		360 mm	L3530143
		450 mm	L4530043


Insert	Handle	Length	Instrument
 <p>Dolphin Grasping forceps Double action jaws L3500024</p>	L301   100	330 mm	L3510024
		360 mm	L3510124
		450 mm	L4510024
	L302   100	330 mm	L3520024
		360 mm	L3520124
		450 mm	L4520024
	L303   100	330 mm	L3530024
		360 mm	L3530124
		450 mm	L4530024


Insert	Handle	Length	Instrument
 <p>Dolphin Grasping forceps long, with reservoir Double action jaws L3500069</p>	L301   100	330 mm	L3510069
		360 mm	L3510169
		450 mm	L4510069
	L302   100	330 mm	L3520069
		360 mm	L3520169
		450 mm	L4520069
	L303   100	330 mm	L3530069
		360 mm	L3530169
		450 mm	L4530069

### 5mm instrumentation


Insert	Handle	Length	Instrument
 <p>Atraumatic grasping forceps with wavy teeth and reservoir Single action jaws L3500028</p>	L3011100	330 mm	L3510028
		360 mm	L3510128
		450 mm	L4510028
	L3021100	330 mm	L3520028
		360 mm	L3520128
		450 mm	L4520028
	L3031100	330 mm	L3530028
		360 mm	L3530128
		450 mm	L4530028


Insert	Handle	Length	Instrument
 <p>Atraumatic grasping forceps with wavy teeth and reservoir Double action jaws L3500029</p>	L3011100	330 mm	L3510029
		360 mm	L3510129
		450 mm	L4510029
	L3021100	330 mm	L3520029
		360 mm	L3520129
		450 mm	L4520029
	L3031100	330 mm	L3530029
		360 mm	L3530129
		450 mm	L4530029


Insert	Handle	Length	Instrument
 <p>Grasping forceps with reservoir, blunt Double action jaws L3500010</p>	L3011100	330 mm	L3510010
		360 mm	L3510110
		450 mm	L4510010
	L3021100	330 mm	L3520010
		360 mm	L3520110
		450 mm	L4520010
	L3031100	330 mm	L3530010
		360 mm	L3530110
		450 mm	L4530010


Insert	Handle	Length	Instrument
 <p>Grasping forceps with reservoir, sharp Double action jaws L3500011</p>	L3011100	330 mm	L3510011
		360 mm	L3510111
		450 mm	L4510011
	L3021100	330 mm	L3520011
		360 mm	L3520111
		450 mm	L4520011
	L3031100	330 mm	L3530011
		360 mm	L3530111
		450 mm	L4530011

### 5mm instrumentation


Insert	Handle	Length	Instrument
 Dissecting forceps, fenestrated, slim Double action jaws L3500031	L3011100	330 mm	L3510031
		360 mm	L3510131
		450 mm	L4510031
	L3021100	330 mm	L3520031
		360 mm	L3520131
		450 mm	L4520031
	L3031100	330 mm	L3530031
		360 mm	L3530131
		450 mm	L4530031


Insert	Handle	Length	Instrument
 Dissecting forceps fenestrated Double action jaws L3500033	L3011100	330 mm	L3510033
		360 mm	L3510133
		450 mm	L4510033
	L3021100	330 mm	L3520033
		360 mm	L3520133
		450 mm	L4520033
	L3031100	330 mm	L3530033
		360 mm	L3530133
		450 mm	L4530033


Insert	Handle	Length	Instrument
 Dissecting forceps fenestrated Double action jaws L3500034	L3011100	330 mm	L3510034
		360 mm	L3510134
		450 mm	L4510034
	L3021100	330 mm	L3520034
		360 mm	L3520134
		450 mm	L4520034
	L3031100	330 mm	L3530034
		360 mm	L3530134
		450 mm	L4530034


Insert	Handle	Length	Instrument
 Dunk-Bill grasping forceps fenestrated Single action jaws L3500035	L3011100	330 mm	L3510035
		360 mm	L3510135
		450 mm	L4510035
	L3021100	330 mm	L3520035
		360 mm	L3520135
		450 mm	L4520035
	L3031100	330 mm	L3530035
		360 mm	L3530135
		450 mm	L4530035

### 5mm instrumentation


Insert	Handle	Length	Instrument
 <p>Dorsey grasping forceps fenestrated Double action jaws length 20 mm L3500032</p>	L3011100	330 mm	L3510032
		360 mm	L3510132
		450 mm	L4510032
	L3021100	330 mm	L3520032
		360 mm	L3520132
		450 mm	L4520032
	L3031100	330 mm	L3530032
		360 mm	L3530132
		450 mm	L4530032


Insert	Handle	Length	Instrument
 <p>Dorsey grasping forceps fenestrated Single action jaws length 20 mm L3500036</p>	L3011100	330 mm	L3510036
		360 mm	L3510136
		450 mm	L4510036
	L3021100	330 mm	L3520036
		360 mm	L3520136
		450 mm	L4520036
	L3031100	330 mm	L3530036
		360 mm	L3530136
		450 mm	L4530036


Insert	Handle	Length	Instrument
 <p>Dorsey grasping forceps fenestrated Double action jaws length 40 mm L3500039</p>	L3011100	330 mm	L3510039
		360 mm	L3510139
		450 mm	L4510039
	L3021100	330 mm	L3520039
		360 mm	L3520139
		450 mm	L4520039
	L3031100	330 mm	L3530039
		360 mm	L3530139
		450 mm	L4530039


Insert	Handle	Length	Instrument
 <p>Mixer grasping forceps 90° Double action jaws L3500008</p>	L3011100	330 mm	L3510008
		360 mm	L3510108
		450 mm	L4510008
	L3021100	330 mm	L3520008
		360 mm	L3520108
		450 mm	L4520008
	L3031100	330 mm	L3530008
		360 mm	L3530108
		450 mm	L4530008

### 5mm instrumentation


Insert	Handle	Length	Instrument
 <p>Mixer grasping forceps 45° Double action jaws L3500077</p>	L3011100	330 mm	L3510077
		360 mm	L3510177
		450 mm	L4510077
	L3021100	330 mm	L3520077
		360 mm	L3520177
		450 mm	L4520077
	L3031100	330 mm	L3530077
		360 mm	L3530177
		450 mm	L4530077


Insert	Handle	Length	Instrument
 <p>Grasping forceps with DeBaky teeth Double action jaws L3500038</p>	L3011100	330 mm	L3510038
		360 mm	L3510138
		450 mm	L4510038
	L3021100	330 mm	L3520038
		360 mm	L3520138
		450 mm	L4520038
	L3031100	330 mm	L3530038
		360 mm	L3530138
		450 mm	L4530038


Insert	Handle	Length	Instrument
 <p>De Baky clamp Double action jaws length 30 mm L3500037</p>	L3011100	330 mm	L3510037
		360 mm	L3510137
		450 mm	L4510037
	L3021100	330 mm	L3520037
		360 mm	L3520137
		450 mm	L4520037
	L3031100	330 mm	L3530037
		360 mm	L3530137
		450 mm	L4530037


Insert	Handle	Length	Instrument
 <p>Babcock clamp Double action jaws L3500045</p>	L3011100	330 mm	L3510045
		360 mm	L3510145
		450 mm	L4510045
	L3021100	330 mm	L3520045
		360 mm	L3520145
		450 mm	L4520045
	L3031100	330 mm	L3530045
		360 mm	L3530145
		450 mm	L4530045

### 5mm instrumentation


Insert	Handle	Length	Instrument
 <p>Maxigrip grasping forceps Double action jaws L3500070</p>	L3011100	330 mm	L3510070
		360 mm	L3510170
		450 mm	L4510070
	L3021100	330 mm	L3520070
		360 mm	L3520170
		450 mm	L4520070
	L3031100	330 mm	L3530070
		360 mm	L3530170
		450 mm	L4530070


Insert	Handle	Length	Instrument
 <p>Grasping forceps Single action jaws 2+4 teeth L3500071</p>	L3011100	330 mm	L3510071
		360 mm	L3510171
		450 mm	L4510071
	L3021100	330 mm	L3520071
		360 mm	L3520171
		450 mm	L4520071
	L3031100	330 mm	L3530071
		360 mm	L3530171
		450 mm	L4530071


Insert	Handle	Length	Instrument
 <p>Grasping forceps distal with row of teeth Double action jaws L3500072</p>	L3011100	330 mm	L3510072
		360 mm	L3510172
		450 mm	L4510072
	L3021100	330 mm	L3520072
		360 mm	L3520172
		450 mm	L4520072
	L3031100	330 mm	L3530072
		360 mm	L3530172
		450 mm	L4530072


Insert	Handle	Length	Instrument
 <p>Grasping forceps Double action jaws L3500073</p>	L3011100	330 mm	L3510073
		360 mm	L3510173
		450 mm	L4510073
	L3021100	330 mm	L3520073
		360 mm	L3520173
		450 mm	L4520073
	L3031100	330 mm	L3530073
		360 mm	L3530173
		450 mm	L4530073

### 5mm instrumentation


Insert	Handle	Length	Instrument
 <p>Grasping forceps with fine crosswise teeth Double action jaws L3500074</p>	L3011100	330 mm	L3510074
		360 mm	L3510174
		450 mm	L4510074
	L3021100	330 mm	L3520074
		360 mm	L3520174
		450 mm	L4520074
	L3031100	330 mm	L3530074
		360 mm	L3530174
		450 mm	L4530074


Insert	Handle	Length	Instrument
 <p>Grasping forceps with mouse teeth Double action jaws L3500075</p>	L3011100	330 mm	L3510075
		360 mm	L3510175
		450 mm	L4510075
	L3021100	330 mm	L3520075
		360 mm	L3520175
		450 mm	L4520075
	L3031100	330 mm	L3530075
		360 mm	L3530175
		450 mm	L4530075


Insert	Handle	Length	Instrument
 <p>Grasping forceps with mouse teeth Single action jaws L3500076</p>	L3011100	330 mm	L3510076
		360 mm	L3510176
		450 mm	L4510076
	L3021100	330 mm	L3520076
		360 mm	L3520176
		450 mm	L4520076
	L3031100	330 mm	L3530076
		360 mm	L3530176
		450 mm	L4530076


Insert	Handle	Length	Instrument
 <p>Tenaculum grasping forceps Double action jaws L3500078</p>	L3011100	330 mm	L3510078
		360 mm	L3510178
		450 mm	L4510078
	L3021100	330 mm	L3520078
		360 mm	L3520178
		450 mm	L4520078
	L3031100	330 mm	L3530078
		360 mm	L3530178
		450 mm	L4530078

### 5mm instrumentation


Insert	Handle	Length	Instrument
 <p>Aggresiv claw grasping forceps Double action jaws L3500079</p>	L3011100	330 mm	L3510079
		360 mm	L3510179
		450 mm	L4510079
	L3021100	330 mm	L3520079
		360 mm	L3520179
		450 mm	L4520079
	L3031100	330 mm	L3530079
		360 mm	L3530179
		450 mm	L4530079


Insert	Handle	Length	Instrument
 <p>Aligator Grasping forceps Double action jaws L3500015</p>	L3011100	330 mm	L3510015
		360 mm	L3510115
		450 mm	L4510015
	L3021100	330 mm	L3520015
		360 mm	L3520115
		450 mm	L4520015
	L3031100	330 mm	L3530015
		360 mm	L3530115
		450 mm	L4530015


Insert	Handle	Length	Instrument
 <p>Wave grasping forceps fenestrated Single action jaws L3500080</p>	L3011100	330 mm	L3510080
		360 mm	L3510180
		450 mm	L4510080
	L3021100	330 mm	L3520080
		360 mm	L3520180
		450 mm	L4520080
	L3031100	330 mm	L3530080
		360 mm	L3530180
		450 mm	L4530080


Insert	Handle	Length	Instrument
 <p>Biopsy punch without thorn Single action jaws L3500068</p>	L3011100	330 mm	L3510068
		360 mm	L3510168
		450 mm	L4510068
	L3021100	330 mm	L3520068
		360 mm	L3520168
		450 mm	L4520068
	L3031100	330 mm	L3530068
		360 mm	L3530168
		450 mm	L4530068

### 5mm instrumentation


Insert	Handle	Length	Instrument
 <p>Biopsy cup with thorn Double action jaws L3500006</p>	L3011100	330 mm	L3510006
		360 mm	L3510106
		450 mm	L4510006
	L3021100	330 mm	L3520006
		360 mm	L3520106
		450 mm	L4520006
	L3031100	330 mm	L3530006
		360 mm	L3530106
		450 mm	L4530006


Insert	Handle	Length	Instrument
 <p>Biopsy cup without thorn Double action jaws L3500007</p>	L3011100	330 mm	L3510007
		360 mm	L3510107
		450 mm	L4510007
	L3021100	330 mm	L3520007
		360 mm	L3520107
		450 mm	L4520007
	L3031100	330 mm	L3530007
		360 mm	L3530107
		450 mm	L4530007


Insert	Handle	Length	Instrument
 <p>Hook scissors Single action jaws L3500065</p>	L3011100	330 mm	L3510065
		L3061100	330 mm
	L3011100	360 mm	L3510165
		L3061100	360 mm
	L3011100	450 mm	L4510065
		L3061100	450 mm

Insert	Handle	Length	Instrument
 <p>Micro scissors, straight Single action jaws L3500003</p>	L3011100	330 mm	L3510003
		L3061100	330 mm
	L3011100	360 mm	L3510103
		L3061100	360 mm
	L3011100	450 mm	L4510003
		L3061100	450 mm


### 5mm instrumentation


Insert	Handle	Length	Instrument
 <p>Metzenbaum scissors, straight Single action jaws L3500050</p>	L3011100	330 mm	L3510050
	L3061100	330 mm	L3560050
	L3011100	360 mm	L3510150
	L3061100	360 mm	L3560150
	L3011100	450 mm	L4510050
	L3061100	450 mm	L4560050


Insert	Handle	Length	Instrument
 <p>Peritoneal scissors, straight Single action jaws L3500061</p>	L3011100	330 mm	L3510061
	L3061100	330 mm	L3560061
	L3011100	360 mm	L3510161
	L3061100	360 mm	L3560161
	L3011100	450 mm	L4510061
	L3061100	450 mm	L4560061

Insert	Handle	Length	Instrument
 <p>Metzenbaum scissors, curved Double action jaws L3500051</p>	L3011100	330 mm	L3510051
	L3061100	330 mm	L3560051
	L3011100	360 mm	L3510151
	L3061100	360 mm	L3560151
	L3011100	450 mm	L4510051
	L3061100	450 mm	L4560051


### 5mm instrumentation ( Needle holder )


Insert	Handle	Length	Instrument
 <p>Needle holder right curved,TC Single action jaws L3500047</p>	L3041100	330 mm	L3540047
		360 mm	L3540147
		450 mm	L4540047
	L3051100	330 mm	L3550047
		360 mm	L3550147
		450 mm	L4550047
	L3061100	330 mm	L3560047
		360 mm	L3560147
		450 mm	L4560047


Insert	Handle	Length	Instrument
 <p>Needle holder left curved,TC Single action jaws L3500048</p>	L3041100	330 mm	L3540048
		360 mm	L3540148
		450 mm	L4540048
	L3051100	330 mm	L3550048
		360 mm	L3550148
		450 mm	L4550048
	L3061100	330 mm	L3560048
		360 mm	L3560148
		450 mm	L4560048


Insert	Handle	Length	Instrument
 <p>Needle holder /positioner, convex concave shaped jaws, with fixation teeth with TC Single action jaws L3500049</p>	L3041100	330 mm	L3540049
		360 mm	L3540149
		450 mm	L4540049
	L3051100	330 mm	L3550049
		360 mm	L3550149
		450 mm	L4550049
	L3061100	330 mm	L3560049
		360 mm	L3560149
		450 mm	L4560049

### 10mm instrumentation


Insert	Handle	Length	Instrument
 <p>Claw grasping and extracting forceps Single action jaws 2x3 teeth L390001</p>	L3011100	330 mm	L3910001
		360 mm	L3910101
		450 mm	L3910201
	L3021100	330 mm	L3920001
		360 mm	L3920101
		450 mm	L3920201
	L3031100	330 mm	L3930001
		360 mm	L3930101
		450 mm	L3930201


Insert	Handle	Length	Instrument
 <p>Maryland grasping forceps Double action jaws L3900042</p>	L3011100	330 mm	L3910042
		360 mm	L3910142
		450 mm	L3910242
	L3021100	330 mm	L3920042
		360 mm	L3920142
		450 mm	L3920242
	L3031100	330 mm	L3930042
		360 mm	L3930142
		450 mm	L3930242


Insert	Handle	Length	Instrument
 <p>Mixer grasping forceps Double action jaws L3900008</p>	L3011100	330 mm	L3910008
		360 mm	L3910108
		450 mm	L3910208
	L3021100	330 mm	L3920008
		360 mm	L3920108
		450 mm	L3920208
	L3031100	330 mm	L3930008
		360 mm	L3930108
		450 mm	L3930208


Insert	Handle	Length	Instrument
 <p>Tenaculum forceps L3900078</p>	L3011100	330 mm	L3910078
		360 mm	L3910178
		450 mm	L3910278
	L3021100	330 mm	L3920078
		360 mm	L3920178
		450 mm	L3920278
	L3031100	330 mm	L3930078
		360 mm	L3930178
		450 mm	L3930278

### 10mm instrumentation


Insert	Handle	Length	Instrument
 <p>Dorsey grasping forceps Double action jaws L3900032</p>	L3011100	330 mm	L3910032
		360 mm	L3910132
		450 mm	L3910232
	L3021100	330 mm	L3920032
		360 mm	L3920132
		450 mm	L3920232
	L3031100	330 mm	L3930032
		360 mm	L3930132
		450 mm	L3930232


Insert	Handle	Length	Instrument
 <p>Grasping forceps with De Bakey teeth, fenestrated Double action jaws L3900038</p>	L3011100	330 mm	L3910038
		360 mm	L3910138
		450 mm	L3910238
	L3021100	330 mm	L3920038
		360 mm	L3920138
		450 mm	L3920238
	L3031100	330 mm	L3930038
		360 mm	L3930138
		450 mm	L3930238


Insert	Handle	Length	Instrument
 <p>Babcock grasping forceps with crosswise teeth Double action jaws L3900074</p>	L3011100	330 mm	L3910074
		360 mm	L3910174
		450 mm	L3910274
	L3021100	330 mm	L3920074
		360 mm	L3920174
		450 mm	L3920274
	L3031100	330 mm	L3930074
		360 mm	L3930174
		450 mm	L3930274


Insert	Handle	Length	Instrument
 <p>De Bakey Clamp, double teeth Double action jaws length 40 mm L3900037</p>	L3011100	330 mm	L3910037
		360 mm	L3910137
		450 mm	L3910237
	L3021100	330 mm	L3920037
		360 mm	L3920137
		450 mm	L3920237
	L3031100	330 mm	L3930037
		360 mm	L3930137
		450 mm	L3930237

### 10mm instrumentation


Insert	Handle	Length	Instrument
 <p><b>Babcock clamp</b> Double action jaws L3900045</p>	L3011100	330 mm	L3910045
		360 mm	L3910145
		450 mm	L3910245
	L3021100	330 mm	L3920045
		360 mm	L3920145
		450 mm	L3920245
	L3031100	330 mm	L3930045
		360 mm	L3930145
		450 mm	L3930245


Insert	Handle	Length	Instrument
 <p><b>Babcock grasping forceps</b> Double action jaws L3900073</p>	L3011100	330 mm	L3910073
		360 mm	L3910173
		450 mm	L3910273
	L3021100	330 mm	L3920073
		360 mm	L3920173
		450 mm	L3920273
	L3031100	330 mm	L3930073
		360 mm	L3930173
		450 mm	L3930273


Insert	Handle	Length	Instrument
 <p><b>Collin clamp</b> Double action jaws L3900035</p>	L3011100	330 mm	L3910035
		360 mm	L3910135
		450 mm	L3910235
	L3021100	330 mm	L3920035
		360 mm	L3920135
		450 mm	L3920235
	L3031100	330 mm	L3930035
		360 mm	L3930135
		450 mm	L3930235


Insert	Handle	Length	Instrument
 <p><b>Pennington</b> Double action jaws L3900031</p>	L3011100	330 mm	L3910031
		360 mm	L3910131
		450 mm	L3910231
	L3021100	330 mm	L3920031
		360 mm	L3920131
		450 mm	L3920231
	L3031100	330 mm	L3930031
		360 mm	L3930131
		450 mm	L3930231

### 10mm instrumentation

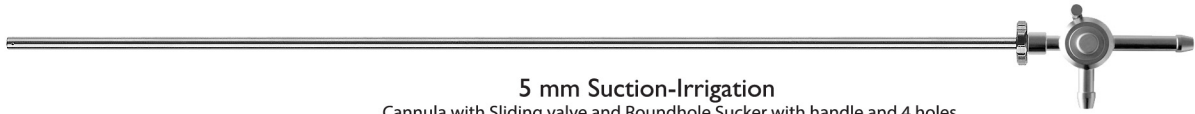
Insert	Handle	Length	Instrument
 <p>Claw grasping forceps Double action jaws 2+3 teeth L3900005</p>	L3011100	330 mm	L3910005
		360 mm	L3910105
		450 mm	L3910205
	L3021100	330 mm	L3920005
		360 mm	L3920105
		450 mm	L3920205
	L3031100	330 mm	L3930005
		360 mm	L3930105
		450 mm	L3930205

Insert	Handle	Length	Instrument
 <p>Claw with fine teeth, curved L3900043</p>	L3011100	330 mm	L3910043
		360 mm	L3910143
		450 mm	L3910243
	L3021100	330 mm	L3920043
		360 mm	L3920143
		450 mm	L3920243
	L3031100	330 mm	L3930043
		360 mm	L3930143
		450 mm	L3930243

Insert	Handle	Length	Instrument
 <p>Large cup biopsy forceps Single action jaws L3900072</p>	L3011100	330 mm	L3910072
		360 mm	L3910172
		450 mm	L3910272
	L3021100	330 mm	L3920072
		360 mm	L3920172
		450 mm	L3920272
	L3031100	330 mm	L3930072
		360 mm	L3930172
		450 mm	L3930272

Insert	Handle	Length	Instrument
 <p>Large op scissors Single action jaws L3500002</p>	L3011100	330 mm	L3910002
		L3061100	330 mm
	L3011100	360 mm	L3910102
		L3061100	360 mm
	L3011100	450 mm	L3910202
		L3061100	450 mm

Handle and modular instruments for irrigation and aspiration



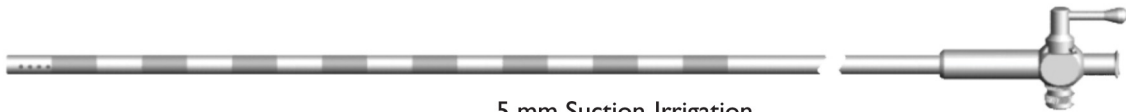
**5 mm Suction-Irrigation**  
Cannula with Sliding valve and Roundhole Sucker with handle and 4 holes  
**L2999220** 330 mm



**5 mm Suction-Irrigation**  
Cannula with Tube connection and Roundhole Sucker with 4 holes  
**L2999201** 330 mm



**Suction and irrigation tubes with interchangeable tubes 5 mm and 10 mm**  
With Luer-lock  
**L2999202** 330 mm



**5 mm Suction-Irrigation**  
Cannula with Luer-lock connection and stopcock, suction tube graduated, 16 drilling  
**L2999213** 330 mm  
**L2999212** 450 mm



**Exchangeable suction irrigation shaft**  
With thread M8 x 1 and 4 sidewise drilling 340 mm  
**L2999270** 3 mm diameter  
**L2999260** 5 mm diameter  
**L2999280** 10 mm diameter



**Suction irrigation pistol handle**  
With sliding valve for exchangeable shafts with M8 x 1  
2 combined Luer-lock/Tube connectors  
**L2999250**

### Knot pushers



4 mm Knot pusher with open eye

**L2999400** 330 mm

**L2999450** 450 mm



4 mm Knot guide with slot

**L2999401** 330 mm



4 mm Knot pusher with closed eye

**L2999403** 330 mm

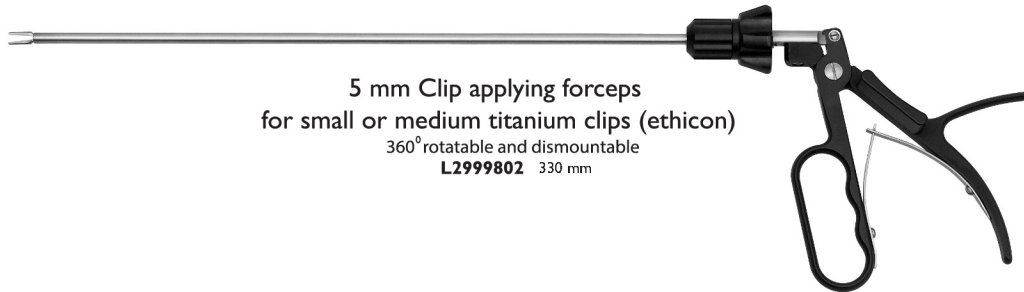
**L2999453** 450 mm

### Facial closure



2.3 mm Facial closure  
L2999402 140 mm

### Clip applying forceps



5 mm Clip applying forceps  
for small or medium titanium clips (ethicon)  
360° rotatable and dismountable  
L2999802 330 mm



10 mm Clip applying forceps  
for small or medium - large titanium clips (ethicon)  
360° rotatable and dismountable  
L2999800 330 mm

### Accessories



5 mm Palpation probe, graduated

**L2999300** 330 mm  
**L2999299** 450 mm



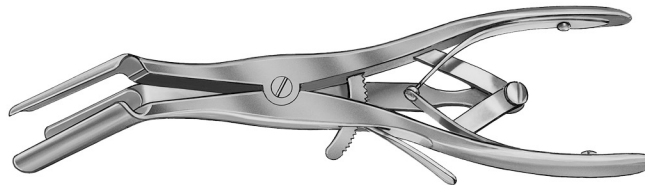
5 mm Injection puncture needles

**L2999301** 330 mm  
**L2999302** 450 mm



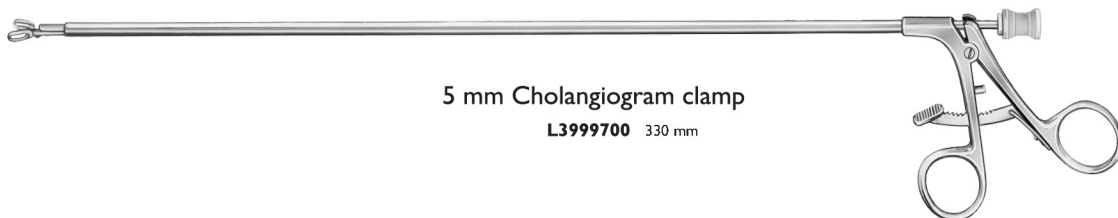
10 mm Liver elevator with double function

**L2995001** 330 mm



Extractor (abdominal speula)

**L2996002**



5 mm Cholangiogram clamp

**L3999700** 330 mm