



ORTHOPEDIC INSTRUMENTS



www.intraopsurgical.com



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We are a family owned and managed manufacturing unit that aims to provide solutions to our customers' everyday surgical instruments needs and challenges.

We aim to provide excellent customer service and we promote a 'can do' culture. We aspire to being the easiest company in the market to deal with for any and all of your surgical instrument's needs.

At all times we aim to provide high-quality surgical products with quality matching German made instruments. Our instrument range is regularly updating and growing with the newest technological advances. We are proud to offer cutting edge surgical instruments at competitive, value for money prices.

Intraop Surgical attempts to continuously improve the quality, reliability, and cost of all its manufactured products and services. Intraop Surgical works closely with all our strategic managers to develop continuous improvement systems that will bring value to our organization. Systems may range in scope from:

- * Improved Quality
- * Customized products for special needs customers
- * New products or existing product enhancements
- * Provision of engineering diagrams
- * Cost Reductions
- * Productivity improvements
- * Package designing and innovation
- * Surgeries catalogue demonstration

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119-101

**Charriere Amputation Saw
Complete With Saw Blade
35 cm - 13 3/4"**



119-102

**Charriere Saw Blade Blade
Width 12 mm**



119-103

**Charriere Saw Blade Blade
Width 15 mm**



119-104

**Charriere Saw Blade Blade
Width 18 mm**



119-105

**Bier Amputation Saw Complete
With Saw Blade 40.5 cm - 16"**



119-106

**Bier Saw Blade Blade Width 4
mm**



119-107

**Bier Saw Blade Blade Width 6
mm**



119-108

**Bier Saw Blade Blade Width 8
mm**



119-109

**Langenbeck Amputation
Saw 24.5 cm - 9 3/4"**



119-110

**Charriere Amputation Saw
Complete With Saw Blade
26.5 cm - 10 1/2"**



119-111

**Satterlee Amputation Saw
Complete With Saw Blade
29 cm - 11 1/2"**



119-112

Satterlee Saw Blade Standard

Amputation Saws



120-101

**Stille Bone Chisel 20 cm - 8"
Blade Width 10 mm**



120-102

**Stille Bone Chisel 20 cm - 8"
Blade Width 15 mm**



120-103

**Stille Bone Chisel 20 cm - 8"
Blade Width 20 mm**



120-104

**Stille Bone Chisel 20 cm - 8"
Blade Width 25 mm**



120-105

**Hibbs Bone Chisel 24.5 cm - 9
3/4" Blade Width 6 mm**



120-106

**Hibbs Bone Chisel 24.5 cm - 9
3/4" Blade Width 13 mm**



120-107

**Hibbs Bone Chisel 24.5 cm - 9
3/4" Blade Width 19 mm**



120-108

**Hibbs Bone Chisel 24.5 cm - 9
3/4" Blade Width 25 mm**



120-109

**Hibbs Bone Chisel 24.5 cm - 9
3/4" Blade Width 32 mm**



120-110

**Bone Chisel 17 cm - 6 3/4"
Blade Width 4 mm**



120-111

**Gardner Bone Chisel Triangular
Shape 17 cm - 6 3/4" Blade
Width 4 mm**



120-112

**Gardner Bone Chisel Triangular
Shape - Curved Right 17 cm - 6
3/4" Blade Width 4 mm**



120-113

**Gardner Bone Chisel Triangular
Shape - Curved Left 17 cm - 6
3/4" Blade Width 4 mm**



120-114

**Bone Chisel 13.5 cm - 5 1/4"
Blade Width 8 mm**



120-115

**Bone Chisel 13.5 cm - 5 1/4"
Blade Width 10 mm**



120-116

**Bone Chisel 13.5 cm - 5 1/4"
Blade Width 12 mm**



120-117

**Bone Chisel 13.5 cm - 5 1/4"
Blade Width 14 mm**



120-118

**Bone Chisel 13.5 cm - 5 1/4"
Blade Width 16 mm**



120-119

**Partsch Bone Chisel 13.5 cm - 5
1/4" Blade Width 2 mm**



120-120

**Partsch Bone Chisel 13.5 cm - 5
1/4" Blade Width 3 mm**



120-121

**Partsch Bone Chisel 13.5 cm - 5
1/4" Blade Width 4 mm**



120-122

**Partsch Bone Chisel 13.5 cm - 5
1/4" Blade Width 5 mm**



120-123

**Partsch Bone Chisel 13.5 cm - 5
1/4" Blade Width 6 mm**



120-124

**Partsch Bone Chisel 13.5 cm - 5
1/4" Blade Width 7 mm**



120-125

**Partsch Bone Chisel 13.5 cm - 5
1/4" Blade Width 8 mm**



120-126

**Partsch Bone Chisel 17 cm - 6
3/4" Blade Width 2 mm**



120-127

**Partsch Bone Chisel 17 cm - 6
3/4" Blade Width 3 mm**



120-128

**Partsch Bone Chisel 17 cm - 6
3/4" Blade Width 4 mm**



120-129

**Partsch Bone Chisel 17 cm - 6
3/4" Blade Width 5 mm**



120-130

**Partsch Bone Chisel 17 cm - 6
3/4" Blade Width 6 mm**



120-131

**Partsch Bone Chisel 17 cm - 6
3/4" Blade Width 7 mm**



120-132

**Partsch Bone Chisel 17 cm - 6
3/4" Blade Width 8 mm**



120-133

**FiberGrip Lexer Bone Chisel 20
cm - 8"**



120-134

**FiberGrip Lexer Bone Chisel 20
cm - 8"**



120-135

**FiberGrip Lexer Bone Chisel 20
cm - 8"**



120-136

**FiberGrip Lexer Bone Chisel
Curved 20 cm - 8"**



120-137

FiberGrip Lexer Bone Chisel
Curved 20 cm - 8"



120-138

FiberGrip Lexer Bone Chisel
Curved 20 cm - 8"



120-139

FiberGrip Bone Chisel 24.5 cm -
9 3/4"

Bone Chisels



120-140

FiberGrip Bone Chisel
Curved 26.5 cm - 10 1/2"



121-101

**Semb Bone Cutting Forcep
Compound Action 24.5 cm - 9
3/4"**



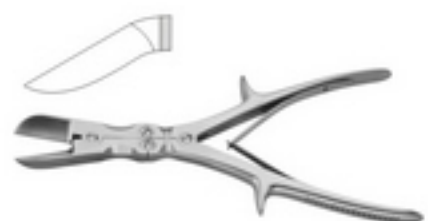
121-102

**Liston-Key Bone Cutting Forcep
Compound Action 25.5 cm - 10"**



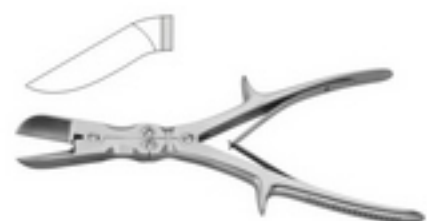
121-103

**Stille-Liston Bone Cutting
Forcep Compound Action 26 cm
- 10 1/4"**



121-104

**Stille-Liston Bone Cutting
Forcep Curved - Compound
Action 27.5 cm - 10 3/4"**



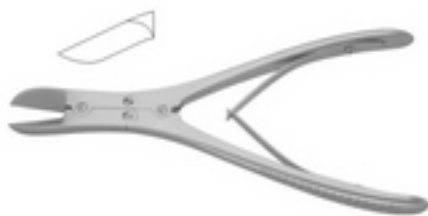
121-105

**Stille-Liston Bone Cutting
Forcep Curved - Compound
Action 23.5 cm - 9 1/4"**



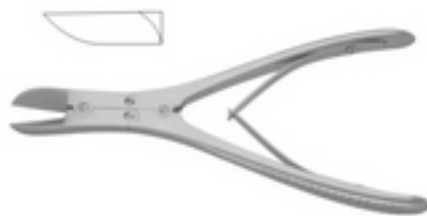
121-106

**Stille-Liston Bone Cutting
Forcep Straight - Compound
Action 27.5 cm - 10 3/4"**



121-107

**Ruskin-Liston Bone Cutting
Forcep Curved - Compound
Action 18 cm - 7"**



121-108

**Ruskin-Liston Bone Cutting
Forcep Straight - Compound
Action 18 cm - 7"**



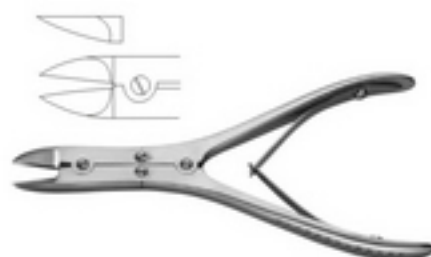
121-109

**Cleveland Bone Cutting
Forcep 16 cm - 6 1/4"**



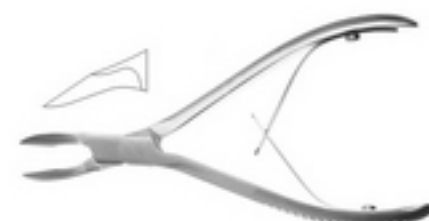
121-110

Bohler Bone Cutting Forcep
Compound Action 14.5 cm - 5
3/4"



121-111

Bohler Bone Cutting Forcep
Compound Action 14.5 cm - 5
3/4"



121-112

**Cleveland Bone Cutting
Forcep** 17 cm - 6 3/4"



121-113

**Cleveland Bone Cutting
Forcep** 14.5 cm - 5 3/4"



121-114

Liston Bone Cutting Forcep
Curved 22 cm - 8 3/4"



121-115

Liston Bone Cutting Forcep
Curved 20 cm - 8"



121-116

Liston Bone Cutting Forcep
Curved 17 cm - 6 3/4"



121-117

Liston Bone Cutting Forcep
Curved 14 cm - 5 1/2"



121-118

Liston Bone Cutting Forcep
Straight 22 cm - 8 3/4"



121-119

**Liston Bone Cutting Forcep
Straight 20 cm - 8"**



121-120

**Liston Bone Cutting Forcep
Straight 17 cm - 6 3/4"**



121-121

**Liston Bone Cutting Forcep
Straight 14 cm - 5 1/2"**



121-122

**Cottle-Kazanjian Bone Cutting
Forcep 18.5 cm - 7 1/4"**



122-101

**Gerster-Lowman Bone Holding
Clamp 18 cm - 7"**



122-102

**Gerster-Lowman Bone Holding
Clamp 20 cm - 8"**



122-103

**Gerster-Lowman Bone Holding
Clamp 22 cm - 8 3/4"**

Bone Holding Clamps



122-104

Gerster Traction Bar Standard



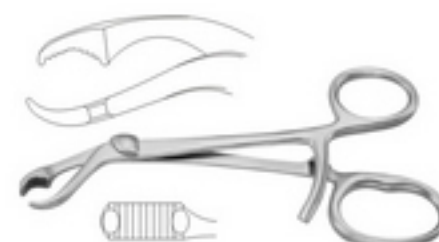
123-101

**Verbrugge Bone Holding
Forcep 17.5 cm - 7"**



123-102

**Verbrugge Bone Holding
Forcep 27 cm - 10 3/4"**



123-103

**Verbrugge Bone Holding
Forcep 26 cm - 10 1/4"**



123-105

**Verbrugge Bone Holding
Forcep 25 cm - 9 3/4"**



123-104

**Lane Bone Holding Forcep With
Ratchet 33 cm - 13 "**



123-106

**Lane Bone Holding Forcep
Without Ratchet 33 cm - 13 "**



123-107

**Bone Holding Forcep Self
Centering - With Thread
Fixation 28 cm - 11"**



123-108

**Bone Holding Forcep Self
Centering - With Thread
Fixation 26 cm - 10 1/4"**



123-109

**Bone Holding Forcep Self
Centering - With Thread
Fixation 24 cm - 9 1/2"**



123-111

**Bone Holding Forcep Self
Centering - With Thread
Fixation 19 cm - 7 1/2"**



123-110

**Bone Holding Forcep Self
Centering - With Thread
Fixation 15 cm - 6"**



123-112

**Ulrich Bone Holding Forcep
Curved - With Thread
Fixation 27 cm - 10 3/4"**



123-113

**Ulrich Bone Holding Forcep
Curved - With Thread
Fixation 24 cm - 9 1/2"**



123-114

**Ulrich Bone Holding Forcep
Curved - With Thread
Fixation 22 cm - 8 3/4"**



123-115

**Ulrich Bone Holding Forcep
Straight - With Thread
Fixation 28 cm - 11"**



123-116

**Ulrich Bone Holding Forcep
Straight - With Thread
Fixation 25 cm - 9 3/4"**



123-117

**Ulrich Bone Holding Forcep
Straight - With Thread
Fixation 23 cm - 9"**



123-118

**Lambotte Bone Holding Forcep
Straight - One Jaw Moveable 33
cm - 13"**



123-119

**Lambotte Bone Holding Forcep
Straight - One Jaw Moveable 26
cm - 10 1/4"**



123-120

**Lambotte Bone Holding Forcep
Straight 22 cm - 8 3/4"**



123-121

**Farabeuf Bone Holding Forcep
With Ratchet 26 cm - 10 1/4"**



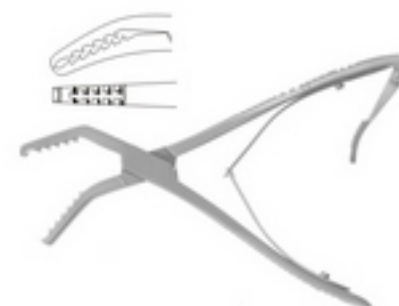
123-122

**Farabeuf Bone Holding
Forcep 26 cm - 10 1/4"**



123-123

**Farabeuf Bone Holding
Forcep 23 cm - 9"**



123-124

**Semb Bone Holding Forcep
Curved Sideways - With
Ratchet 19 cm - 7 1/2"**



123-125

**Hey-Groves Bone Holding
Forcep 30 cm - 12"**



123-126

**Hey-Groves Bone Holding
Forcep 27 cm - 10 3/4"**



123-127

**Hey-Groves Bone Holding
Forcep 21 cm - 8 1/4"**



123-128

**Kern Bone Holding Forcep 21
cm - 8 1/4"**



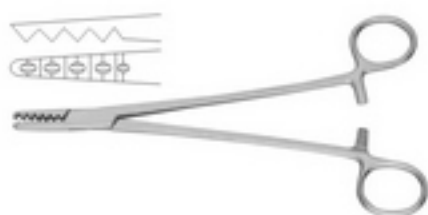
123-129

**Kern Bone Holding Forcep 17
cm - 6 3/4"**



123-130

**Frosch Bone Holding Forcep 18
cm - 7"**



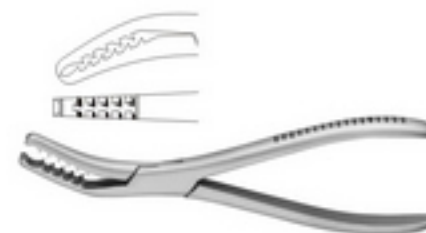
123-131

**Martin Catrilage Seizing
Forcep 18.5 cm - 7 1/4"**



123-132

**Dingmann Catrilage Seizing
Forcep 18.5 cm - 7 1/4"**



123-133

**Semb Bone Holding Forcep 19
cm - 7 1/2"**



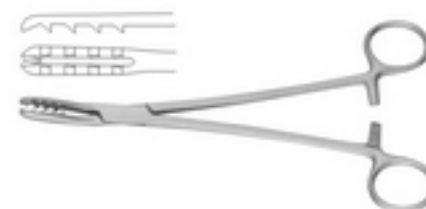
123-134

**Van Buren Bone Holding
Forcep 23 cm - 9"**



123-135

**Salyer Bone Holding Forcep 16
cm - 6 1/4"**



123-136

**Bircher-Ganske Catrilage
Seizing Forcep Curved
Sideways 20 cm - 8"**



124-101

**Chandler Bone Lever 25 cm - 9
3/4\"**



124-102

Chandler Bone Lever 23 cm - 9\"
Blade Width 25 mm



124-103

Chandler Bone Lever 20 cm - 8\"
Blade Width 19 mm



124-104

Chandler Bone Lever 18 cm - 7\"
Blade Width 13 mm



124-105

Bristow Bone Lever 23 cm - 9\"



124-106

Lane Bone Lever 25.5 cm - 10\"



124-107

**Lane-Trethowan Bone
Lever 21.5 cm - 8 1/2\"**



124-108

**Murphy-Lane Bone Lever Bone
Lever**



124-109

Bennett Bone Lever



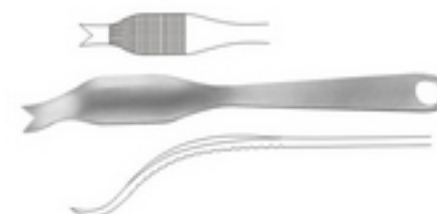
124-110

Bennett Bone Lever 24 cm - 9 1/2" Blade Width 43 mm



124-111

Watson-Jones Bone Lever 28 cm - 11"



124-112

Schumacher Bone Lever 29 cm - 11 1/2" Blade Width 35 mm - 18 mm



124-113

Schumacher (Wagner) Bone Lever Toothed Edge 34.5 cm - 13 1/2" Blade Size 37 mm - 18 mm



124-114

Hohmann-Aldinger Bone Lever 27 cm - 10 3/4" Blade Width 24 mm



124-115

Bone Lever 30 cm - 12" Blade Width 22 mm



124-116

Bone Lever 29 cm - 11 1/2" Blade Width 40 mm



124-117

Verbrugge-Muller Bone Lever 25.5 cm - 10" Blade Width 65 mm



124-118

Verbrugge-Muller Bone Lever 24 cm - 9 1/2" Blade Width 44 mm



124-119

**Lange-Hohmann Modif Bone
Lever 29 cm - 11 1/2" Blade
Width 33 mm**



124-120

**Lange-Hohmann Modif Bone
Lever 26.5 cm - 10 1/2" Blade
Width 30 mm**



124-121

**Lange-Hohmann Bone Lever
Wide Tip with Groove 25 cm - 9
3/4" Blade Width 22 mm**



124-122

**Hohmann Bone Lever Wide
Round Tip 27.5 cm - 10 3/4"
Blade Width 24 mm**



124-123

**Hohmann Bone Lever Wide
Tip 29 cm - 11 1/2" Blade Width
35 mm**



124-124

**Hohmann Bone Lever Wide
Tip 25.5 cm - 10" Blade Width
22 mm**



125-101

**Collin Bone Mallet 20 cm - 8"
Head Diameter - Weight 30.0
mm Ø - 220 Grams**



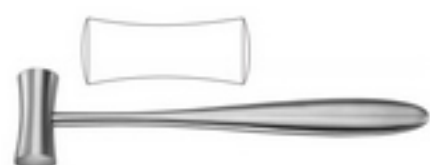
125-102

**Hajek Bone Mallet 21.5 cm - 8
1/2" Head Diameter - Weight
27.0 mm Ø - 140 Grams**



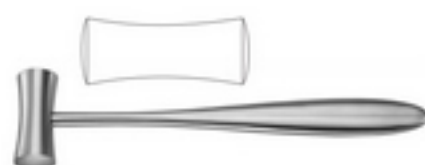
125-103

**Gerzog Bone Mallet 19 cm - 7
1/2" Head Diameter - Weight
25.0 mm Ø - 225 Grams**



125-104

**Lucae Bone Mallet 19.5 cm - 7
3/4" Head Diameter - Weight
19.0 mm Ø - 230 Grams**



125-105

**Lucae Bone Mallet 19.5 cm - 7
3/4" Head Diameter - Weight
25.0 mm Ø - 260 Grams**



125-106

**Bergmann Bone Mallet 24 cm - 9
1/2" Head Diameter - Weight
45.0 mm Ø - 300 Grams**



125-107

**Bergmann Bone Mallet 23.5 cm -
9 1/4" Head Diameter - Weight
30.0 mm Ø - 245 Grams**



125-108

**Bone Mallet 24 cm - 9 1/2" 30.0
mm Ø - 42.0 mm Ø - 285 Grams**



125-109

**Cottle Bone Mallet Plain -
Convex 19 cm - 7 1/2" Head
Diameter - Weight 30.0 mm Ø -
300 Grams**



125-110

Ombredanne Bone Mallet 24 cm
- 9 1/2" Head Diameter -
Weight 40.0 mm Ø - 520 Grams



125-111

Heath Bone Mallet 18.5 cm - 7
1/4" Head Diameter - Weight
40.0 mm Ø - 660 Grams



125-113

Williger Bone Mallet 16.5 cm - 6
1/2" Head Diameter - Weight
20.0 mm Ø - 140 Grams



125-114

Mallet Spare Plastic Discs Pair



125-115

Partsch Mallet With Hollow
Handle 19 cm - 7 1/2" Head
Diameter - Weight 22.0 mm Ø -
200 Grams



125-116

FiberGrip Bone Mallet With
Plastic Handle 26 cm - 10 1/4"
Head Diameter - Weight 30.0
mm Ø - 510 Grams



125-117

FiberGrip Mallet With Lead
Filling 26 cm - 10 1/4" Head
Diameter - Weight 42.0 mm Ø -
400 Grams



125-118

FiberGrip Mallet Without Lead
Filling 26 cm - 10 1/4" Head
Diameter - Weight 42.0 mm Ø -
250 Grams



125-119

FiberGrip Mallet With Lead
Filling 26 cm - 10 1/4" Head
Diameter - Weight 42.0 mm Ø -
400 Grams


125-120

**FiberGrip Mallet Plane (Nylon) -
Convex (Stainless Steel) 26.5
cm - 10 1/2" Head Diameter -
Weight 30.0 mm Ø - 675 Grams**


125-121

**FiberGrip Mallet 26 cm - 10
1/4" Head Diameter1 - Head
Diameter 2 - Weight 42.0 mm Ø
- 30.0 mm Ø - 530 Grams**


125-122

**FiberGrip Mallet 24 cm - 9 1/2"
Head Diameter - Weight 30.0
mm Ø - 480 Grams**


125-123

**FiberGrip Mallet With
Interchangeable Plastic
Discs 24 cm - 9 1/2" Head
Diameter - Weight 37.0 mm Ø -
370 Grams**


125-124

Mallet Spare Plastic Discs Pair


125-125

**FiberGrip Mallet 22 cm - 8 3/4"
Head Diameter - Weight 30.0
mm Ø - 125 Grams**


125-126

**FiberGrip Mallet 26.5 cm - 10
1/2" Head Diameter - Weight
30.0 mm Ø - 450 Grams**


125-127

**FiberGrip Mallet 26.5 cm - 10
1/2" Head Diameter - Weight
50.0 mm Ø - 900 Grams**


125-128

**FiberGrip Vickers Mallet With
Interchangeable Nylon Discs 19
cm - 7 1/2" Head Diameter -
Weight 25.0 mm Ø - 300 Grams**



125-129

Mallet Spare Plastic Discs Pair



125-130

**FiberGrip Herbert Mallet 19 cm
- 7 1/2"**



125-131

**Williger Bone Mallet Lead
Filled 24 cm - 9 1/2" Head
Diameter - Weight 26.0 mm Ø -
300 Grams**



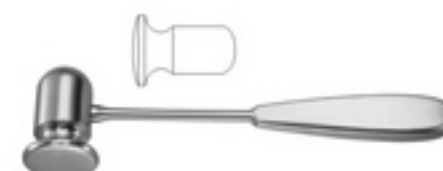
125-132

**Williger Bone Mallet Lead
Filled 24 cm - 9 1/2" Head
Diameter - Weight 28.0 mm Ø -
340 Grams**



125-133

**Williger Bone Mallet Lead
Filled 24 cm - 9 1/2" Head
Diameter - Weight 30.0 mm Ø -
400 Grams**



125-134

**Doyen Bone Mallet 20.5 cm - 8"
Head Diameter - Weight 25.0
mm Ø - 120 Grams**



125-135

**Doyen Bone Mallet 21 cm - 8
1/4" Head Diameter - Weight
30.0 mm Ø - 180 Grams**



125-136

**Doyen Bone Mallet 21.5 cm - 8
1/2" Head Diameter - Weight
35.0 mm Ø - 260 Grams**



126-101

**Putti Bone Rasp Round - Semi
Round 30 cm - 11 3/4"**



126-102

**Putti Bone Rasp Curved -
Straight 27 cm - 10 3/4"**



126-103

**Bone File Semi-Round 28 cm -
11"**



TD-126-104

**Bone File Semi-Round 24.5 cm -
9 3/4"**



126-105

Bone File Flat 22 cm - 8 3/4"

Bone Rasps and Bone Files



127-101

Bone Reamer 13.5 cm - 5 1/4"



127-102

Perthes Bone Reamer 18 cm - 7"



127-103

Perthes Bone Reamer 21.5 cm - 8 1/2"



127-104

Bone Reamer 14 cm - 5 1/2"



127-105

**Drill Handle With Chuck T-Form
- With Key Standard**



127-106

Key Standard



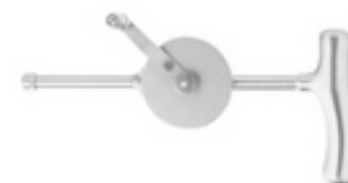
127-107

**Drill Handle With Chuck
Longitudinally Board - With Key
Standard**



127-108

Key Standard



127-109

**Stille-Sherman Hand Drill
Complete With Twist Drill 25 cm
- 9 3/4"**



127-110

**Stille Hand Drill Complete With
Twist Drill 20.5 cm - 8"**



127-111

**Twist Drill Fig. 1 Diameter 2.5
mm Ø**



127-112

**Twist Drill Fig. 2 Diameter 3.0
mm Ø**



127-113



127-114



127-115



127-116



127-117



127-118



127-119



127-120



127-121



127-122



127-123



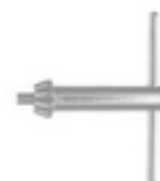
127-124



127-125



127-126



127-127



128-101

**Repositioning Forcep /
Malleolar Forcep 21 cm - 8
1/4"**



128-102

**Repositioning Forcep / Patella
Forcep Self - Centering 18.5 cm
- 7 1/4"**



128-103

**Repositioning Forcep
Delicate 14 cm - 5 1/2"**



128-104

**Lewin Repositioning Forcep 18.5
cm - 7 1/4"**



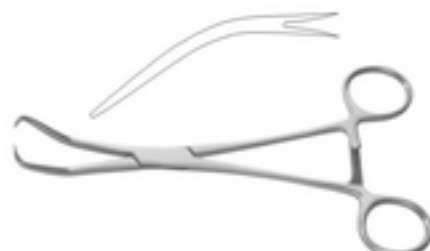
128-105

**Repositioning Forcep Long
Ratchet - Pointed 13.5 cm - 5
1/4"**



128-106

**Repositioning Forcep 20.5 cm -
8"**



128-107

**Reill Repositioning Forcep 17
cm - 6 3/4"**



128-108

**Steinhauser Repositioning
Forcep 13 cm - 5"**



128-109

**Repositioning Forcep Long
Ratchet - Pointed 15 cm - 6"**



128-110

**Repositioning Forcep Long
Ratchet - Pointed 9 cm - 3 1/2"**

Bone Repositioning Forceps



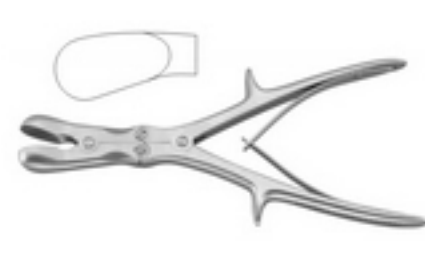
129-101

Sauerbruch Bone Rongeur
Compound Action 31 cm - 12
1/4"



129-102

Sauerbruch Bone Rongeur
Compound Action 31 cm - 12
1/4"



129-103

Stille-Luer Bone Rongeur
Curved - Compound Action 26.5
cm - 10 1/2"



TD-129-104

Stille-Luer Bone Rongeur
Curved - Compound Action 23
cm - 9"



129-105

Stille-Luer Bone Rongeur
Straight - Compound
Action 26.5 cm - 10 1/2"



129-106

Stille-Luer Bone Rongeur
Straight - Compound Action 23
cm - 9"



129-107

Stille-Luer Bone Rongeur
Curved - Compound Action 22
cm - 8 3/4"



129-108

Stille-Luer Bone Rongeur
Straight - Compound
Action 22.5 cm - 8 3/4"



129-109

Frykholm Bone Rongeur
Compound Action 24.5 cm - 9
3/4"



129-110

**Leksell-Stille Bone Rongeur
Compound Action 24.5 cm - 9
3/4"**



129-111

**Leksell-Stille Bone Rongeur
Compound Action 24.5 cm - 9
3/4"**



129-112

**Roettgen-Ruskin Bone Rongeur
Compound Action 24.5 cm - 9
3/4"**



129-113

**Stille-Ruskin Bone Rongeur
Compound Action 23.5 cm - 9
1/4"**



129-114

**Echlin Bone Rongeur Compound
Action 23 cm - 9" Bite Size 4 x
10 mm**



129-115

**Echlin Bone Rongeur Compound
Action 23 cm - 9" Bite Size 3 x
10 mm**



129-116

**Echlin Bone Rongeur Compound
Action 23 cm - 9" Bite Size 2 x
10 mm**



129-117

**Stille Bone Rongeur Compound
Action 22.5 cm - 8 3/4"**



129-118

**Semb Bone Rongeur Compound
Action 23.5 cm - 9 1/4"**



129-119

Ruskin Bone Rongeur Compound
Action 24 cm - 9 1/2"



129-120

Ruskin Bone Rongeur Compound
Action 19 cm - 7 1/2"



129-121

Marquard Bone Rongeur Compound
Action 20.5 cm - 8"



129-122

Meyfield Bone Rongeur Compound
Action 18 cm - 7"



129-123

Zaufal-Jansen Bone Rongeur Compound
Action 18 cm - 7"



129-124

Beyer Bone Rongeur Compound
Action 18 cm - 7"



129-125

Bohler Bone Rongeur Curved - Compound
Action 15.5 cm - 6"



129-126

Bohler Bone Rongeur Straight - Compound
Action 15.5 cm - 6"



129-127

Luer Bone Rongeur 14.5 cm - 5 3/4"



129-128

Luer Bone Rongeur 14.5 cm - 5 3/4"



129-129

Luer Bone Rongeur 14.5 cm - 5 3/4"



129-130

Luer Bone Rongeur Curved 18 cm - 7"



129-131

Luer Bone Rongeur Straight 18.5 cm - 7 1/4"



129-132

Blumenthal Bone Rongeur 14 cm - 5 1/2"



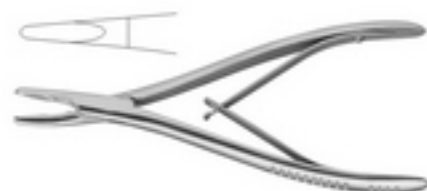
129-133

Blumenthal Bone Rongeur 15 cm - 6"



129-134

Blumenthal Bone Rongeur 15 cm - 6"



129-135

Lempert Bone Rongeur 19 cm - 7 1/2"



129-136

Jansen Bone Rongeur Curved 18 cm - 7"



129-137

Jansen Bone Rongeur
Straight 18 cm - 7"



129-138

Hartmann Bone Rongeur 17.5
cm - 7"



129-139

Mead Bone Rongeur 16.5 cm - 6
1/2"



129-140

Cleveland Bone Rongeur 16.5
cm - 6 1/2"



129-141

Cleveland Bone Rongeur 13.5
cm - 5 1/4"



129-142

Friedmann Bone Rongeur 13.5
cm - 5 1/4"



129-143

Friedmann Bone Rongeur 13.5
cm - 5 1/4"



129-144

Friedmann Bone Rongeur 12.5
cm - 5"



129-145

Stellbrink Bone Rongeur 16.5
cm - 6 1/2"



129-146

**Stellbrink Bone Rongeur 17.5
cm - 7"**

Bone Rongeurs



130-101

**Passow Bone Tamper 12 cm - 4
3/4" Tip Size 2.5 mm**



130-102

**Passow Bone Tamper 12 cm - 4
3/4" Tip Size 3.5 mm**



130-103

**Bone Tamper 15.5 cm - 6"
Diameter 2.0 mm Ø**

Bone Tampers



130-104

**Bone Tamper 15.5 cm - 6"
Diameter 3.0 mm Ø**



130-106

**Bone Tamper 15.5 cm - 6"
Diameter 5.0 mm Ø**



130-107

**Bone Tamper 15.5 cm - 6"
Diameter 6.0 mm Ø**



130-108

**Bone Tamper 15.5 cm - 6"
Diameter 8.0 mm Ø**



130-109

**Bone Tamper 15.5 cm - 6"
Diameter 10.0 mm Ø**



130-110

**Caspar Bone Tamper 20 cm - 8"
Diameter 3.0 mm Ø**



130-111

Caspar Bone Tamper 20 cm - 8"
Diameter 5.0 mm Ø



130-112

Caspar Bone Tamper 20 cm - 8"
Diameter 8.0 mm Ø

Bone Tampers



131-101

Hibbs Retractor 23.5 cm - 9
1/4" Blade Size 25 x 75 mm



131-102

Hibbs Retractor 23.5 cm - 9
1/4" Blade Size 20 x 50 mm



131-103

Hibbs Retractor 23.5 cm - 9
1/4" Blade Size 13 x 25 mm



131-104

Taylor Retractor 16 cm - 6 1/4"
Blade Size 100 x 30 mm



131-105

Taylor Retractor 16 cm - 6 1/4"
Blade Size 75 x 30 mm



131-106

Blount Retractor 17.5 cm - 7"



131-107

Blount Retractor 26.5 cm - 10
1/2"



131-108

Blount Retractor Blunt 26.5 cm -
10 1/2"



131-109

Smillie Retractor 14 cm - 5 1/2"
Blade Size 12 x 13 mm



131-110

Smillie Retractor 14 cm - 5 1/2"
Blade Size 52 x 13 mm



131-111

Smillie Retractor 14 cm - 5 1/2"
Blade Size 57 x 19 mm



131-112

Smillie Retractor 14 cm - 5 1/2"
Blade Size 48 x 19 mm

Knee Retractors



132-101

Salenius Meniscus Knife 21 cm - 8 1/4"



132-102

Salenius Meniscus Knife 21 cm - 8 1/4"



132-103

Neff Meniscus Knife 22 cm - 8 3/4"



132-104

Neff Meniscus Knife 22 cm - 8 3/4"



132-105

Meniscus Knife 18 cm - 7"



132-106

Smillie Meniscus Knife 17.5 cm - 7"



132-107

Smillie Meniscus Knife 17.5 cm - 7"



132-108

Smillie Meniscus Knife 17.5 cm - 7"



133-101

**Radolf Nail Extracting Forcep 14
cm - 5 1/2"**



133-102

**Anvil Nail Extracting
Forcep 12.5 cm - 5"**



133-103

Spare Saw Blade Standard



133-104

Finger Ring Saw 17 cm - 6 3/4"



133-105

Spare Saw Blade Standard



133-106

**Walton Finger Ring Saw 16 cm -
6 1/4"**



133-107

Spare Saw Blade Standard



133-108

**Martin Finger Ring Saw 18.5 cm
- 7 1/4"**



133-109

Spare Drill Large Standard



133-110

Spare Drill Medium Standard



133-111

Spare Drill Small Standard



133-112

**Ideal Finger Nail Drill Complete
With Drills Standard**

Nail Instruments



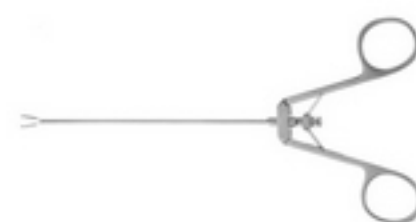
134-101

Tending Interlacing Forcep
Pointed 15 cm - 6"



134-102

Tending Interlacing Forcep
Pointed 15.5 cm - 6"



134-103

Kleinert-Kutz Tending Holding
Forcep 1 x 2 Teeth 21 cm - 8
1/4"



134-104

Tending Holding Forcep 11.5 cm
- 4 1/2"



134-105

Carroll Tendon Tunnelling
Forcep 11.5 cm - 4 1/2"



134-106

Tendon Tunnelling Forcep 1 x 2
Teeth 21 cm - 8 1/4"



134-107

Tendon Tunnelling Forcep 1 x 2
Teeth 21 cm - 8 1/4"



134-108

Brand Tendon Tunnelling
Forcep 1 x 2 Teeth 21 cm - 8
1/4"



134-109

Brand Tendon Tunnelling
Forcep 1 x 2 Teeth 24.5 cm - 9
3/4"



134-111

**Steinmann Tendon Holding
Forcep 15 cm - 6"**



134-112

**Bunnell Tendon Passer
Malleable 16 cm - 6 1/4"**



134-113

Tendon Stripper 23 cm - 9"



134-114

**Fischer Tendon Stripper
Blunt 28.5 cm - 11 1/4"**



134-115

**Screw for Tendon Passing
Instrument 31 cm - 12 1/4"**



134-116

**Tendon Passing
Instrument 33.5 cm - 13 1/4"**



134-117

**Tendon Stripper Flexible
Shaft 23 cm - 9"**



134-118

**Tendon Stripper Flexible
Shaft 23 cm - 9"**



134-119

**Tendon Stripper Flexible
Shaft 23 cm - 9"**



134-120

**Bunnell Tendon Stripper Fig.
5 15 cm - 6"**



134-121

**Bunnell Tendon Stripper Fig.
4 15 cm - 6"**



134-122

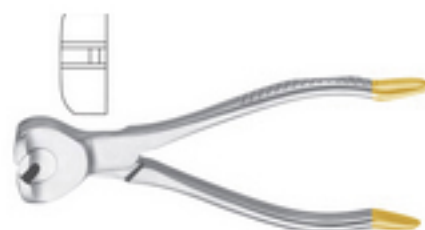
**Bunnell Tendon Stripper Fig.
3 15 cm - 6"**

Tendon Instruments



135-101

**TC Wire Cutting Plier For Soft
Wires up to 1.5 mm Ø - For Hard
Wires up to 1.0 mm Ø 13 cm - 5
1/4"**



135-102

**TC Wire Cutting Plier For Soft
Wires up to 3.5 mm Ø - For Hard
Wires up to 2.5 mm Ø 16.5 cm -
6 1/2"**



135-103

**TC Wire Cutting Plier For Soft
Wires up to 2.0 mm Ø - For Hard
Wires up to 1.7 mm Ø 17.5 cm -
7"**



135-104

**TC Wire Cutting Plier For Soft
Wires up to 2.8 mm Ø - For Hard
Wires up to 2.2 mm Ø 22.5 cm -
8 3/4"**



135-105

**TC Wire Cutting Plier For Soft
Wires up to 3.0 mm Ø - For Hard
Wires up to 2.2 mm Ø 23 cm -
9"**



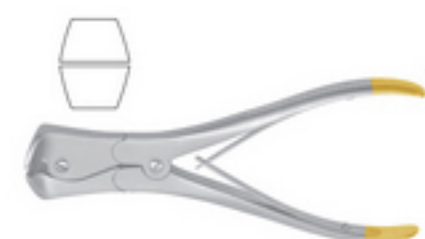
135-106

**TC Wire Cutting Plier For Soft
Wires up to 2.0 mm Ø - For Hard
Wires up to 1.2 mm Ø 15 cm -
6"**



135-107

**TC Wire Cutting Plier / Plate
Cutter For Wires Up to 6 mm
Ø 47 cm - 18 1/2"**



135-108

**TC Wire Cutting Plier For Soft
Wires up to 3.0 mm Ø - For Hard
Wires up to 2.0 mm Ø 22 cm - 8
3/4"**



136-101

TC Wire Twisting Forcep 15.5
cm - 6"



136-102

TC Wire Twisting Forcep 18 cm -
7"



136-103

TC Wire Twisting Forcep 15.5
cm - 6"



136-104

TC Wire Twisting Forcep 18 cm -
7"



136-105

TC Wire Twisting Forcep 15.5
cm - 6"



136-106

TC Wire Twisting Forcep 20 cm -
8"



136-107

TC Baumgartner Wire Twisting
Forcep 20 cm - 8"



136-108

TC Wire Twisting Forcep 14.5
cm - 5 3/4"



136-109

TC Corwin Wire Twisting
Forcep 16 cm - 6 1/4"



136-110

**TC Combi Wire Twisting
Forcep 18.5 cm - 7 1/4"**



136-111

**TC Berry Wire Twisting Forcep
Heavy Pattern - With Tungsten
Carbide Inserts 19 cm - 7 1/2"**



136-112

**Combi-Flat Nose Plier Parallel
Grip - Compound Action 18 cm -
7"**

TC Wire Holding Forceps



136-113

**Combi-Flat Nose Plier Parallel
Grip - Compound Action 18 cm -
7"**



136-114

**Combi-Flat Nose Plier Parallel
Grip - Compound Action 18 cm -
7"**



137-101

**Demel Wire Guides Fig. 1 31 cm
- 12 1/4"**



137-102

**Demel Wire Guides Fig. 2 29 cm
- 11 1/2"**



137-103

**Demel Wire Guides Fig. 3 28 cm
- 11"**



137-104

**Loute Wire Tightener 21 cm - 8
1/4"**



137-105

**Demel Wire Tightener and
Twister 27 cm - 10 3/4"**



137-106

**Steinmann Extension Pins With
Trocar Point 14 cm - 5 1/2"**



137-107

**Steinmann Extension Pins With
Trocar Point 16 cm - 6 1/4"**



137-108

**Steinmann Extension Pins With
Trocar Point 18 cm - 7"**



137-109

**Steinmann Extension Pins With
Trocar Point 20 cm - 8"**



137-110

**Bohler Extension Bows For
Femur and Knee Inner Width
210 x 150 mm - 8" x 6"**



137-111

**Bohler Extension Bows For
Arm Inner Width 160 x 90 mm -
6 1/4" x 4 1/2"**



137-112

**Bohler Extension Bows For
Femur and Knee Inner Width
210 x 110 mm - 8 1/4" x 4 1/2"**



137-113

**Kirschner Extension Bows For
Children - With 3 Traction
Hooks Inner Width 95 x 70 mm**



137-114

**Kirschner Extension Bows For
Wrist and Ankle - With 3
Traction Hooks Inner Width 105
x 105 mm**



137-115

**Kirschner Extension Bows For
Elbow - With 3 Traction
Hooks Inner Width 120 x 120
mm**



137-116

**Kirschner Extension Bows For
Knee - With 3 Traction
Hooks Inner Width 155 x 155
mm**



137-117

**Kirschner Extension Bows For
Femur - With 3 Traction
Hooks Inner Width 200 x 155
mm**



137-118

**Kirschner Extension Bows Small
Pattern - With 3 Traction
Hooks 18.5 cm - 7 1/4"**



137-119

**Kirschner Extension Bows Small
Pattern - With 3 Traction
Hooks 26.5 cm - 10 1/2"**



137-121

Wrench 20 cm - 8"



137-122

**Extension Bows Inner Width 270
x 160 mm - 10 1/2" x 6 1/4"**



137-123

**Extension Bows Inner Width 180
x 100 mm - 7" x 4"**

Wire Guides & Extension Bows



138-101

Flat Nose Plier 13.5 cm - 5 1/4"



138-102

Flat Nose Plier 14 cm - 5 1/2"



138-103

Flat Nose Plier 14 cm - 5 1/2"



138-104

Flat Nose Plier 17.5 cm - 7"



138-105

Flat Nose Plier With Crosswise Groove 17 cm - 6 3/4"



138-106

Flat Nose Plier Pointed 19.5 cm - 7 3/4"



138-107

Flat Nose Plier With Longitudinal Groove 16 cm - 6 1/4"



138-108

Combi-Flat Nose Plier For Bending and Cutting 15 cm - 6"



138-109

Flat Nose Plier Parallel Grip 18.5 cm - 7 1/4"



138-110

Vise Grip Plier 20.5 cm - 8"



138-111

Combi-Flat Nose Plier Parallel Grip - Compound Action 18 cm - 7"



138-112

Combi-Flat Nose Plier Parallel Grip - Compound Action 18 cm - 7"



138-113

Combi-Flat Nose Plier Parallel Grip - Compound Action 18 cm - 7"



138-114

Flat Nose Plier 18 cm - 7"



138-115

Wire Cutting Plier For Soft Wires up to 2.4 mm Ø - For Hard Wiers up to 1.8 mm Ø 18.5 cm - 7 1/4"

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