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ORTHOPEDIC INSTRUMENTS**

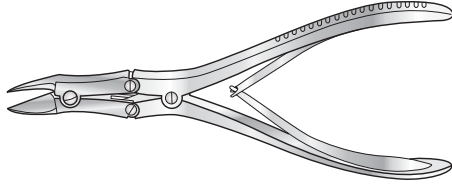


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# Bone Cutting Forceps

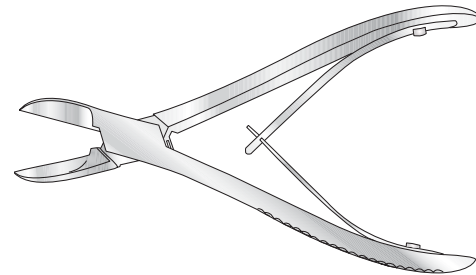
## McIndoe Bone Cutting Forcep

Lightweight, compound action, angled jaw with prismatic points



Code	DeTription
TI-OR/13b	165mm long
TI-OR/13c	191mm long

## Liston Box Joint Bone Cutting Forcep



### Straight

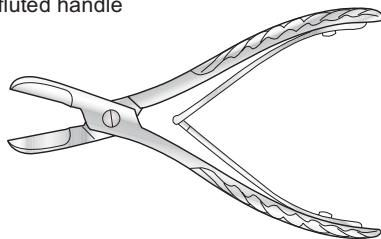
Code	DeTription
TI-OR/032	140mm long
TI-OR/033	200mm long
TI-OR/027	220mm long

### Angled

Code	DeTription
TI-OR/061	170mm long
TI-OR/062	220mm long

## Liston Trew Joint Bone Cutting Forcep

With fluted handle



### 150mm long

Code	DeTription
TI-OR/24	Straight
TI-OR/24a	Angled

### 200mm long

Code	DeTription
TI-OR/26	Straight

### 180mm long

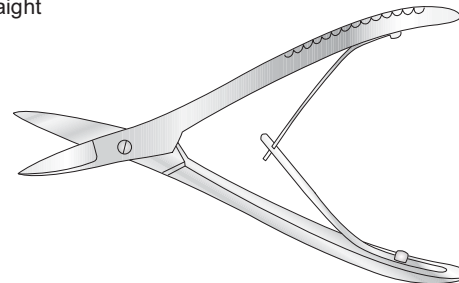
Code	DeTription
TI-OR/25	Straight
TI-OR/25a	Angled

### 230mm long

Code	DeTription
TI-OR/27	Straight

## Tirew Joint Bone Cutting Forcep

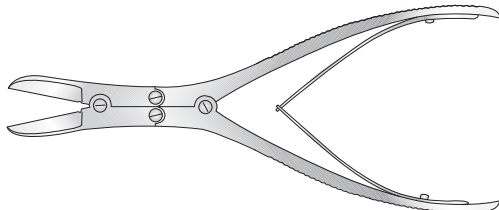
Straight



Code	DeTription
TI-OR/030	160mm long

## Liston Compound Action Bone Cutting Forcep

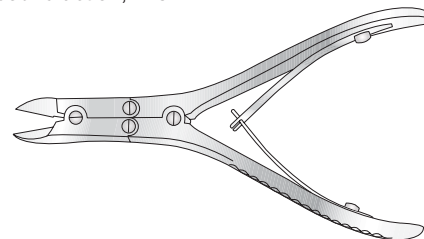
Straight, for heavy duty



Code	DeTription
TI-OR/27a	305mm long
TI-OR/27b	300mm long
TI-OR/27c	190mm long

## Ruskin-Liston Bone Cutting Forcep

Compound action, fine



### Straight

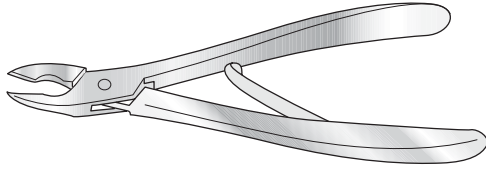
Code	DeTription
TI-OR/057	140mm long
TI-OR/074	145mm long
TI-OR/073	190mm long

### Angled

Code	DeTription
TI-OR/063	190mm long

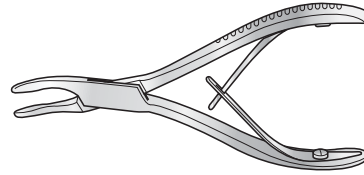
## Ward Bone Cutting Forceps

Slightly angled on flat



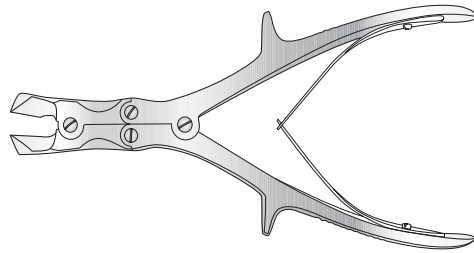
Code	DeTription
TI-GI/459	180mm long

## Kleinert Kutz Bone Rongeur



Code	DeTription
TI-OR/009a	Curved, 140mm, width 2mm
TI-OR/009	Curved, 155mm, width 2mm
TI-OR/011	Curved, 155mm, width 3mm

## Horsley Compound Action Bone Cutter



Code	DeTription
TI-OR/002	235mm long

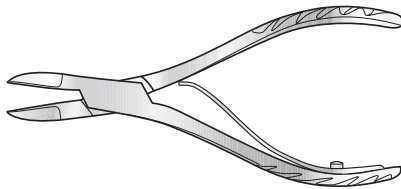
## Kleinert Kutz Skin Hooks



Code	DeTription
TI-PL/109	16cm large
TI-PL/108	16cm medium
TI-PL/107	16cm small

## Stamms Box Joint Bone Cutter

Standard, stainless steel

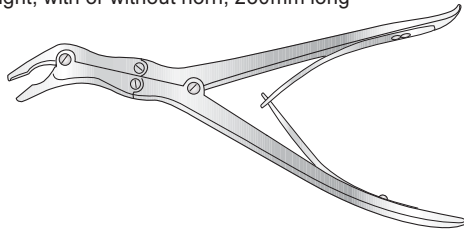


Code	DeTription
TI-OR/N056	140mm long

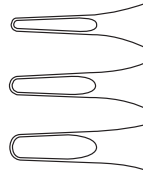
# Bone Rongeurs

## Echlin Compound Action Bone Rongeur

Straight, with or without horn, 230mm long

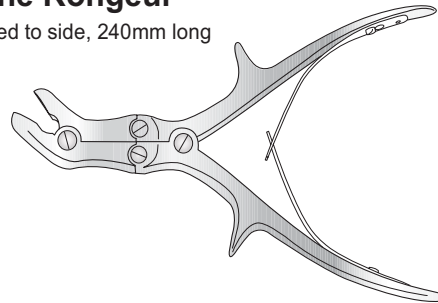


Code	DeTription
TI-OR/005	Width 2mm
TI-OR/006	Width 3mm
TI-OR/007	Width 4mm



## Stille Compound Action Bone Rongeur

Angled to side, 240mm long

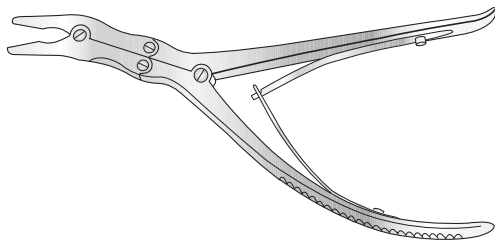


Code	DeTription
TI-OR/037	11mm bite

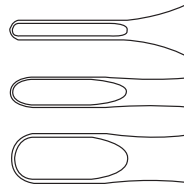


## Leksell Compound Action Bone Rongeur

250mm long

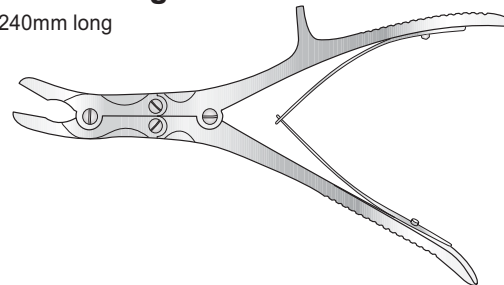


Code	DeTription
TI-OR/066	3mm bite
TI-OR/069	5mm bite
TI-OR/065	8mm bite



## Leksell Stille Compound Action Bone Rongeur

240mm long

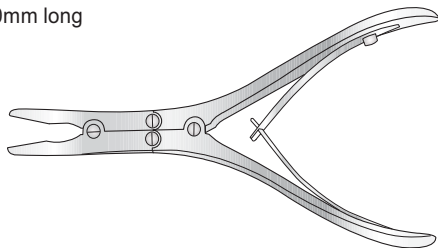


Code	DeTription
TI-OR/065a	8mm bite



## Leksell Compound Action Bone Rongeur

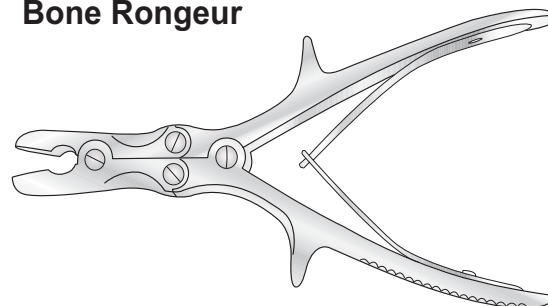
240mm long



Code	DeTription
TI-OR/008	Width 3mm



## Luer Stille Compound Action Bone Rongeur

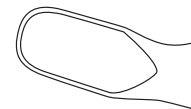


**Straight**

Code	DeTription
TI-OR/071	10mm bite, 220mm long
TI-OR/072	12mm bite, 260mm long

**Curved**

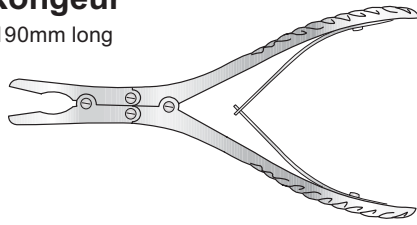
Code	DeTription
TI-OR/071a	10mm bite, 220mm long
TI-OR/071b	11mm bite, 230mm long



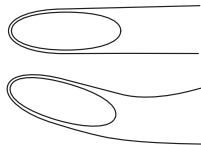


## Luer Compound Action Bone Rongeur

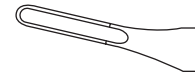
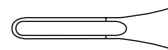
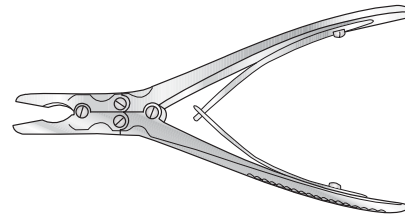
6mm bite, 190mm long



Code	DeTription
TI-OR/13	Straight
TI-OR/13a	Curved



## Ruskin Compound Action Bone Rongeur



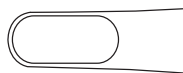
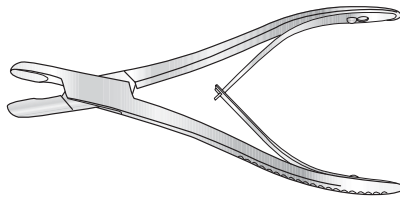
3mm bite, 150mm long

Code	DeTription
TI-OR/034	Straight
TI-OR/035	Curved

4mm bite, 185mm long

Code	DeTription
TI-OR/028	Straight
TI-OR/036	Curved

## Luer Box Joint Bone Rongeur



Straight, 185mm long

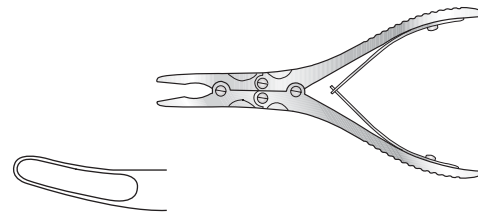
Code	DeTription
TI-OR/031	8mm bite
TI-OR/041	10mm bite

Curved, 210mm long

Code	DeTription
TI-OR/042	8mm bite

## Compound Action Bone Rongeur

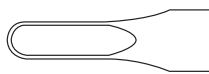
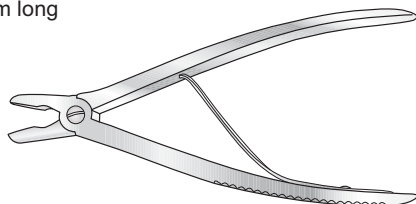
Lightweight pattern, curved, 150mm long



Code	DeTription
TI-OR/013d	4mm bite

## Cushing Trew Joint Bone Rongeur

190mm long



Straight

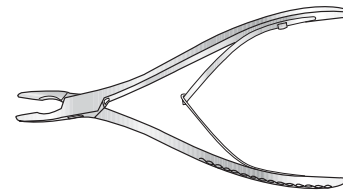
Code	DeTription
TI-OR/039	4mm bite
TI-OR/058	6mm bite
TI-OR/059	8mm bite

Curved

Code	DeTription
TI-OR/060	4mm bite
TI-OR/067	6mm bite
TI-OR/068	8mm bite

## Lempert Box Joint Bone Rongeur

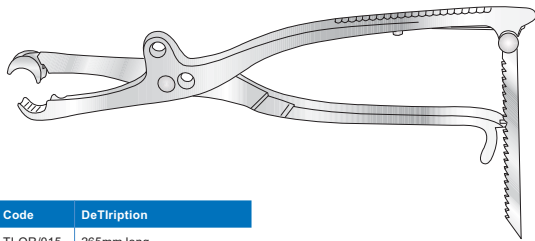
3mm bite, 155mm long



Code	DeTription
TI-OR/327	Straight
TI-OR/010	Curved

# Bone Holding Forceps

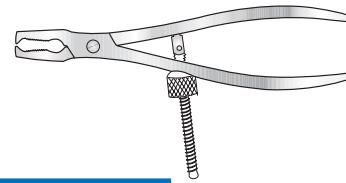
## Lambotte Bone Holding Forceps



Code	DeTriage
TI-OR/015	265mm long

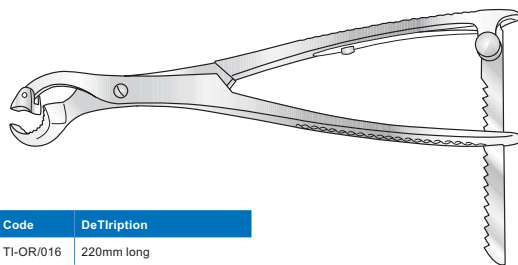
## Bone Holding Forceps

Tirew joint, with holding TIrew



Code	DeTriage
TI-OR/029	165mm long

## Lambotte Bone Holding Forceps



Code	DeTriage
TI-OR/016	220mm long
TI-OR/017	215mm long
TI-OR/022	330mm long

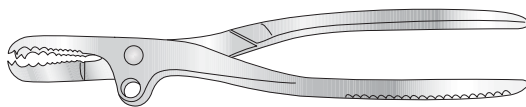
## Hey Groves Bone Holding Forceps

With TIrew locking device



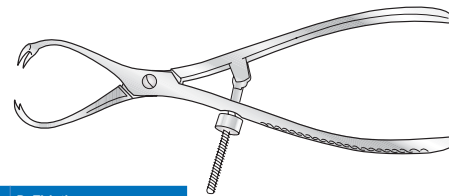
Code	DeTriage
TI-OR/29d	200mm long
TI-OR/29e	225mm long
TI-OR/29f	305mm long

## Farabeuf Bone Holding Forceps



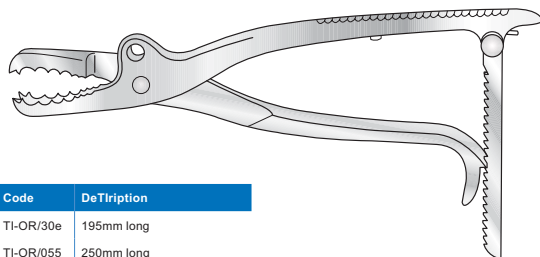
Code	DeTriage
TI-OR/021	230mm long
TI-OR/328	250mm long

## Bone Holding Forceps



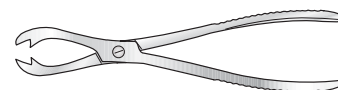
Code	DeTriage
TI-OR/13	140mm long
TI-OR/014	185mm long
TI-OR/018	215mm long
TI-OR/019	275mm long

## Farabeuf-Lambotte Bone Holding Forceps



Code	DeTriage
TI-OR/30e	195mm long
TI-OR/055	250mm long
TI-OR/30f	260mm long

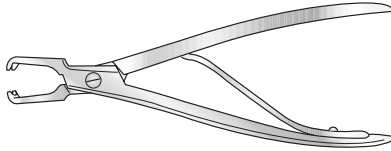
## Fergusson Bone Holding Forceps



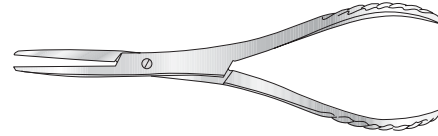
Code	DeTriage
TI-OR/30	150mm long
TI-OR/30a	200mm long
TI-OR/30b	230mm long

### Sequestrum (Necrosis) Forcep

Straight, long fine jaws

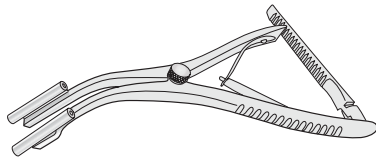


Code	DeTription
TI-OR/N061	180mm long



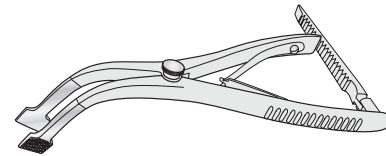
Code	DeTription
TI-OR/SEQ001	191mm long
TI-OR/SEQ002	203mm long

### Joint Calcaneal Spreader



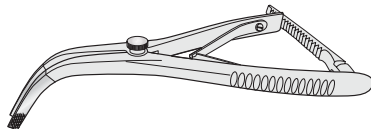
Code	DeTription
TI-OR/CAL001	40mm opening, 1.6mm ø, 170mm long

### Calcaneal Spreader



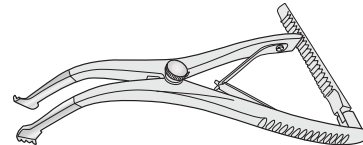
Code	DeTription
TI-OR/CAL002	40mm opening, 15mm wide tip, 70mm long

### Inge Type Lamina Spreader



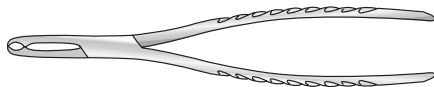
Code	DeTription
TI-OR/CAL003	40mm opening, no teeth, 5mm wide tip, 170mm long

### Inge Type Lamina Spreader



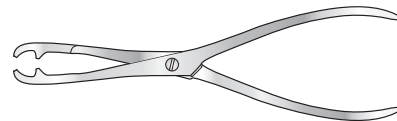
Code	DeTription
TI-OR/CAL004	Baby, 40mm opening, with teeth, 10mm wide tip, 160mm long
TI-OR/CAL004a	50mm opening, with teeth, 10mm wide tip, 240mm long

### Harrison Bone Holding Forceps



Code	DeTription
TI-OR/30d	190mm long

### St Thomas Bone Holding Forceps

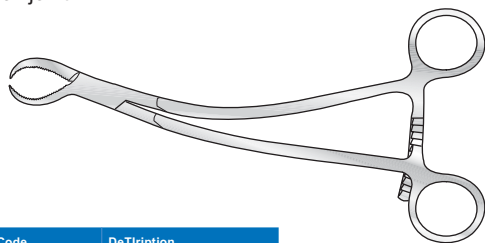


Code	DeTription
TI-OR/403c	182mm long

# Bone Holding Forceps and Clamps

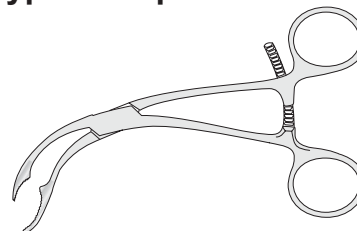
## Burns Bone Holding Forceps

Box joint



Code	DeTriage
TI-OR/29a	200mm long

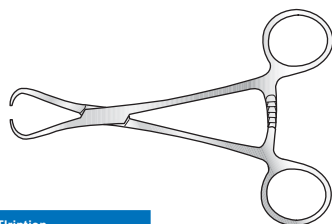
## Tiarf Type Clamp



Code	DeTriage
TI-OR/TIA	150mm long

## Orthopaedic Grasping Forceps

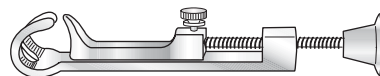
Box joint



Code	DeTriage
TI-OR/29b	125mm long
TI-OR/29c	165mm long

## Lowman Bone Holding Clamp

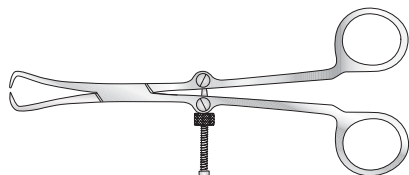
Infant 125mm long  
Child 175mm long  
Adult 205mm long



Code
TI-OR/28

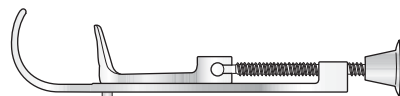
## Reduction Forcep

With adjustable lock



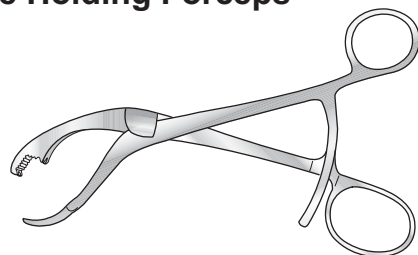
Code	DeTriage
TI-OR/RED001a	Small, 135mm long
TI-OR/RED001b	Large, 168mm long

## Parker Modified Lowman Bone Holding Clamp, Single



Code	DeTriage
TI-OR/5644	160mm long

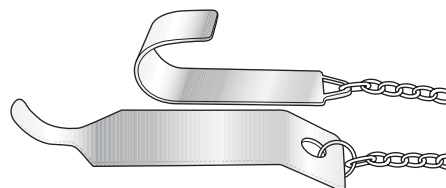
## Verbrugge Bone Holding Forceps



Code	DeTriage
TI-OR/30c	180mm long

## Parker Retractor

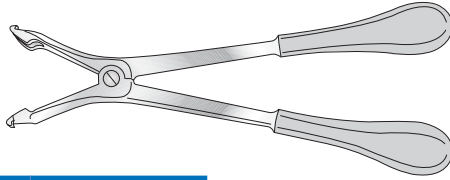
For use with Lowman clamp



Code	DeTriage
TI-OR/5643	Chain 850mm long

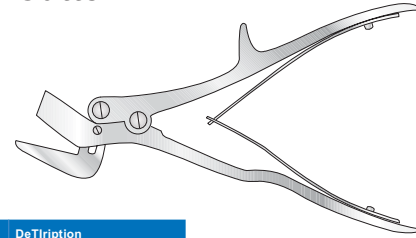
## Haglund Plaster Spreader

Working part curved in right



Code	DeTriage
TI-OR/207	280mm long

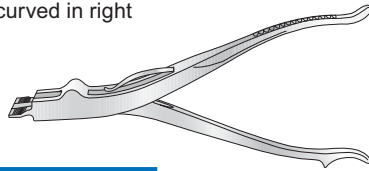
## Plaster Cutter



Code	DeTriage
TI-OR/40	240mm long

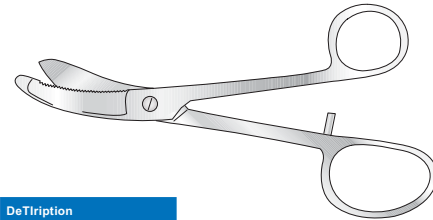
## Lawton Plaster Spreader

Working part curved in right



Code	DeTriage
TI-OR/208	220mm long

## Bohler Plaster Shears



Code	DeTriage
TI-OR/38	240mm long

## Henning Plaster Spreader



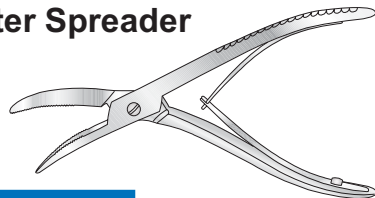
Code	DeTriage
TI-OR/211	270mm long

## Guys Plaster Shears



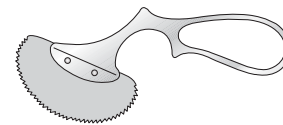
Code	DeTriage
TI-OR/39	240mm long

## Wolf Plaster Spreader



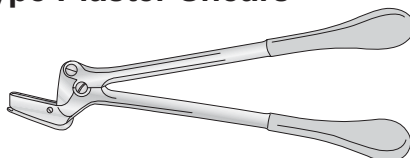
Code	DeTriage
TI-OR/212	180mm long
TI-OR/329	250mm long

## Engel Plaster Saw



Code	DeTriage
TI-OR/40b	150mm long

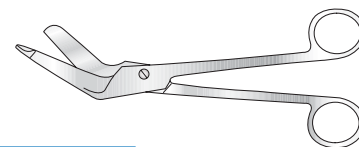
## Stille Type Plaster Shears



Code	DeTriage
TI-OR/210	380mm long
TI-OR/210a	330mm long
TI-OR/210b	460mm long

## Eccentric Plaster Shears

Without heavy serrated blade



Code	DeTriage
TI-OR/40a	190mm long

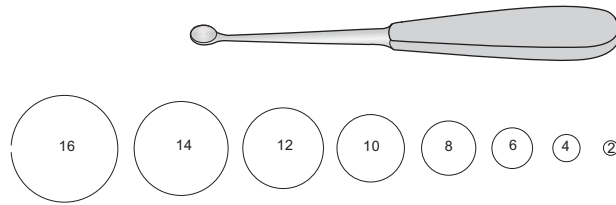
# Bone Curettes



## Bone Curette

Straight, 180mm long

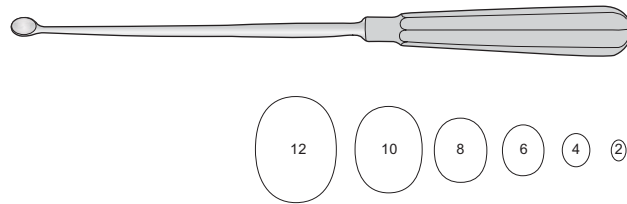
Code	DeTription	Code	DeTription
TI-OR/075	Width 2mm	TI-OR/079	Width 10mm
TI-OR/076	Width 4mm	TI-OR/080	Width 12mm
TI-OR/077	Width 6mm	TI-OR/081	Width 14mm
TI-OR/078	Width 8mm	TI-OR/082	Width 16mm



## Bone Curette

Straight, 260mm long

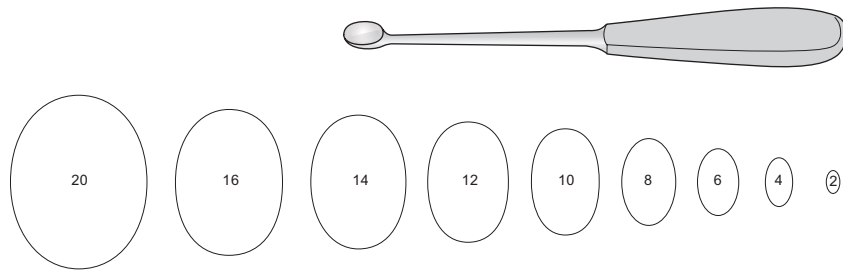
Code	DeTription	Code	DeTription
TI-OR/083	Width 2mm	TI-OR/086	Width 8mm
TI-OR/084	Width 4mm	TI-OR/087	Width 10mm
TI-OR/085	Width 6mm	TI-OR/088	Width 12mm



## Bone Curette

Straight, 210mm long

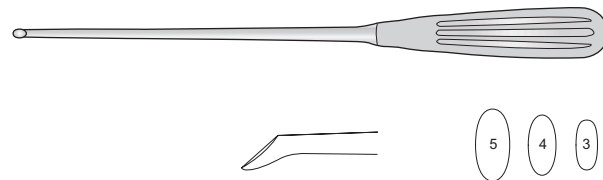
Code	DeTription
TI-OR/089	Width 2mm
TI-OR/090	Width 4mm
TI-OR/091	Width 6mm
TI-OR/092	Width 8mm
TI-OR/093	Width 10mm
TI-OR/094	Width 12mm
TI-OR/095	Width 14mm
TI-OR/096	Width 16mm
TI-OR/097	Width 20mm



## BuThe Bone Curette

Angled, 250mm long

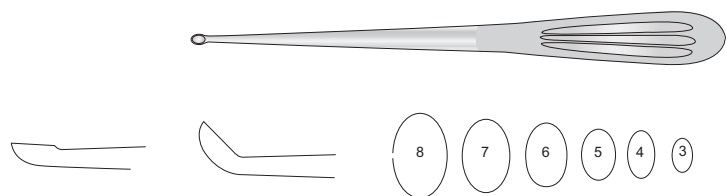
Code	DeTription
TI-OR/138	Width 3mm
TI-OR/139	Width 4mm
TI-OR/140	Width 5mm



## Bruns Bone Curette

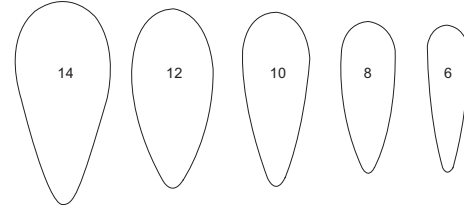
225mm long

Straight		Angled	
Code	DeTription	Code	DeTription
TI-OR/189	Width 3mm	TI-OR/195	Width 3mm
TI-OR/190	Width 4mm	TI-OR/196	Width 4mm
TI-OR/191	Width 5mm	TI-OR/197	Width 5mm
TI-OR/192	Width 6mm	TI-OR/198	Width 6mm
TI-OR/193	Width 7mm	TI-OR/199	Width 7mm
TI-OR/194	Width 8mm	TI-OR/200	Width 8mm



## Gourdet Bone Curette

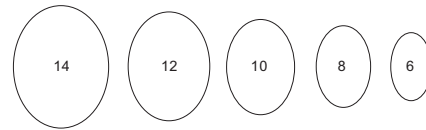
Straight, blunt  
280mm long



Code	DeTscription
TI-OR/157	Width 6mm
TI-OR/158	Width 8mm
TI-OR/159	Width 10mm
TI-OR/160	Width 12mm
TI-OR/161	Width 14mm

## Shroeder Bone Curette

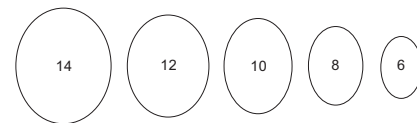
Straight, 310mm long



Code	DeTscription
TI-OR/151	Width 6mm
TI-OR/152	Width 8mm
TI-OR/153	Width 10mm
TI-OR/154	Width 12mm
TI-OR/155	Width 14mm

## Simon Bone Curette

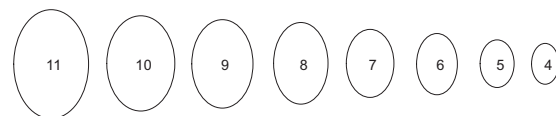
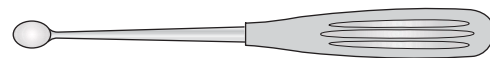
Straight, 240mm long



Code	DeTscription
TI-OR/145	Width 6mm
TI-OR/146	Width 8mm
TI-OR/147	Width 10mm
TI-OR/148	Width 12mm
TI-OR/149	Width 14mm

## Spinal Curette

Oval, 205mm long

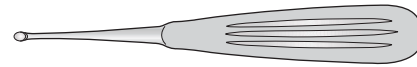


Code	DeTscription	Code	DeTscription
TI-OR/031a	Width 4mm	TI-OR/031e	Width 8mm
TI-OR/031b	Width 5mm	TI-OR/031f	Width 9mm
TI-OR/031c	Width 6mm	TI-OR/031g	Width 10mm
TI-OR/031d	Width 7mm	TI-OR/031h	Width 11mm

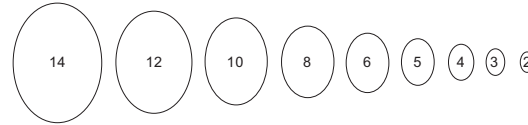
# Bone Curettes

## Volkman Bone Curette

Straight, 170mm long



Code	DeTription	Code	DeTription
TI-OR/112	Width 2mm	TI-OR/117	Width 8mm
TI-OR/113	Width 3mm	TI-OR/118	Width 10mm
TI-OR/114	Width 4mm	TI-OR/119	Width 12mm
TI-OR/115	Width 5mm	TI-OR/120	Width 14mm
TI-OR/116	Width 6mm		



## Volkman Bone Curette

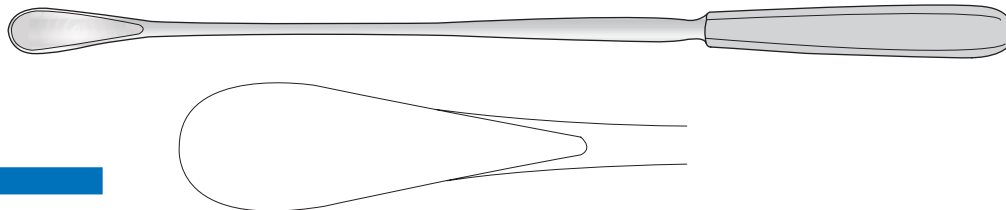
Straight, 230mm long



Code	DeTription
TI-OR/SH.5687	Bowl width 10mm, bowl length 14.5mm

## Wallich Bone Curette

Blunt



Code	DeTription
TI-OR/162	420mm long

## Williger Bone Curette

Straight, 170mm long

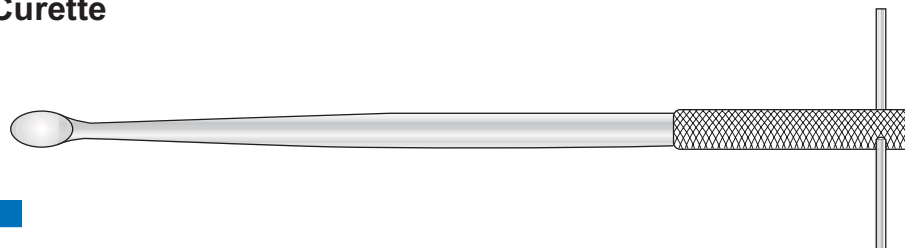


Code	DeTription
TI-OR/122	Width 3.5mm
TI-OR/123	Width 5.5mm



## Charnley Bone Curette

With T handle,  
380mm long



Code	DeTription
TI-OR/N040	Large, 20 x 14mm
TI-OR/N041	Medium, 17 x 12mm
TI-OR/N042	Small, 11 x 8mm



## Sypert Bone Curette

Blue acetal "Suregrip" handle, 380mm long



### Straight

Code	DeTription
TI-OR/236	Width 3mm
TI-OR/237	Width 4mm
TI-OR/238	Width 5mm

### Angled

Code	DeTription
TI-OR/240	Width 3mm
TI-OR/241	Width 4mm
TI-OR/245	Width 5mm



## Bone Curette

Blue acetal "Suregrip" handle, 410mm long



### Straight

Code	DeTription
TI-OR/249	Width 3mm
TI-OR/250	Width 4mm
TI-OR/251	Width 5mm

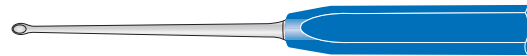
### Angled

Code	DeTription
TI-OR/252	Width 3mm
TI-OR/253	Width 4mm
TI-OR/254	Width 5mm



## Caspar Bone Curette

Blue acetal "Suregrip" handle, 220mm long

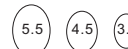


### Straight

Code	DeTription
TI-OR/230	Width 3.5mm
TI-OR/231	Width 4.5mm
TI-OR/232	width 5.5mm

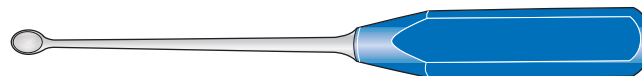
### Angled

Code	DeTription
TI-OR/233	Width 3.5mm
TI-OR/234	Width 4.5mm
TI-OR/235	Width 5.5mm

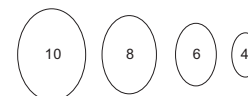


## Bone Curette

Blue acetal "Suregrip" handle, 270mm long, straight



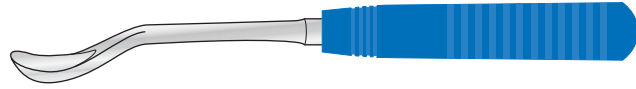
Code	DeTription
TI-OR/226	Width 4mm
TI-OR/227	Width 6mm
TI-OR/228	Width 8mm
TI-OR/229	Width 10mm



# Bone Curettes

## Capener Spoon

Blue acetal "Suregrip" handle 285mm long



Code	DeTription
TI-OR/389a	Width 16mm
TI-OR/389b	Width 20mm

## Capener Lamina Curette

Blue acetal "Suregrip" handle 300mm long



Code	DeTription
TI-OR/389c	12 x 32mm
TI-OR/389d	6 x 18mm

## Stanley Boyd Curette

Double ended



Code	DeTription
TI-OR/162a	Small - 50mm long
TI-OR/162b	Medium - 200mm long
TI-OR/162c	Large - 250mm long

## Volkman Bone Tloop

Double-ended, straight



Code	DeTription
TI-OR/31	175mm long
TI-OR/213	220mm long
TI-OR/175	220mm long

## Martini Bone Curette

Shown at half size  
double-ended, straight 140mm long



Code	DeTription
TI-OR/170	Small and medium
TI-OR/171	Medium and large

## Lane Bone Lever

240mm long

6mm

Code	DeTription
TI-OR/N011	Slight curve
TI-OR/N012	Full curve

8mm

Code	DeTription
TI-OR/N013	Slight curve
TI-OR/N014	Full curve



## Lane Bone Lever

For small bones

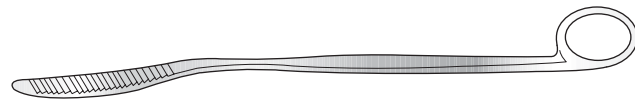
Code	DeTription
TI-OR/N015	10mm wide, 265mm long



## Lane Bone Lever

For small bones, serrated end

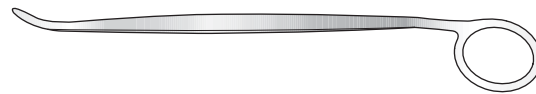
Code	DeTription
TI-OR/N016	10mm wide, 260mm long



## Trethowan Bone Lever

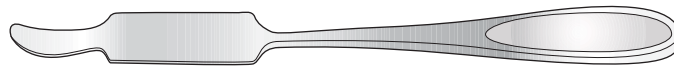
Ring handle

Code	DeTription
TI-OR/N017	220mm long



## Watson-Jones Bone Lever

Code	DeTription
TI-OR/N054	275mm long



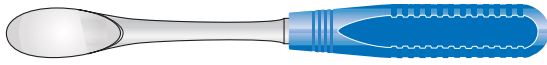
## Bankhart Bone Lever

Code	DeTription
TI-OR/SH.5315	300mm long



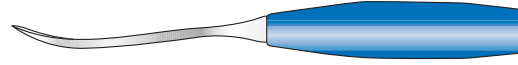
# Retractors

## Hip Set



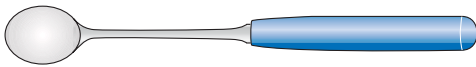
**Femoral Dislocation Lever 285mm**

Code	DeTription
TI-OR/N059A	Spoon elevator 25mm with blue acetal suregrip handle – large



**Curved Osteotome 260mm**

Code	DeTription
TI-OR/N059D	With blue acetal suregrip handle - 2



**Muller Curette 240mm**

Code	DeTription
TI-OR/N059B	Curette 27mm with blue acetal suregrip handle – large



**Small Gouge 240mm**

Code	DeTription
TI-OR/N059E	8mm cranked blue acetal suregrip handle

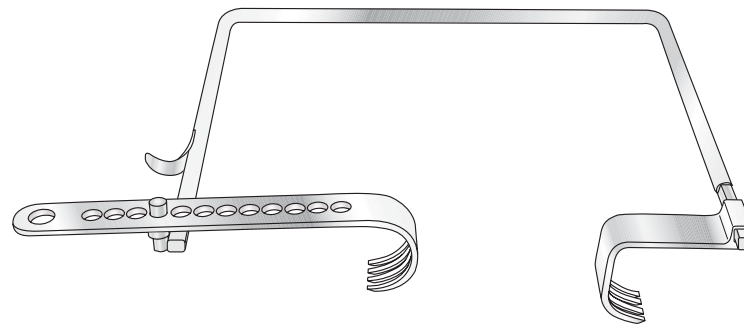


**Muller Curette 270mm**

Code	DeTription
TI-OR/N059C	Curette 9mm with blue acetal suregrip handle – small

## Charnley Initial Incision Retractor

Code	DeTription
TI-OR/N038a	Frame only
TI-OR/N038b	Weight only, 75mm x 50mm ø
TI-OR/N038s	Goal post pins and chain

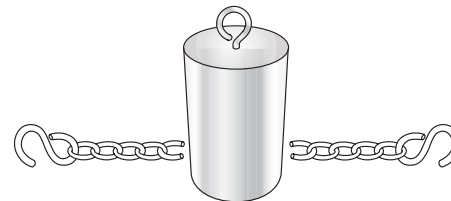


### Short blades

Code	DeTription
TI-OR/N038r	Short blade, 25mm deep
TI-006084	Short blade, 35mm deep
TI-OR/N038c	Short blade, 50mm deep
TI-OR/N038l	Short blade, 65mm
TI-OR/N038e	Short blade, 75mm deep
TI-OR/N038q	Short blade, 80mm deep
TI-OR/N038g	Short blade, 100mm deep
TI-003879	Short blade, 125mm
TI-003880	Short blade, 150mm

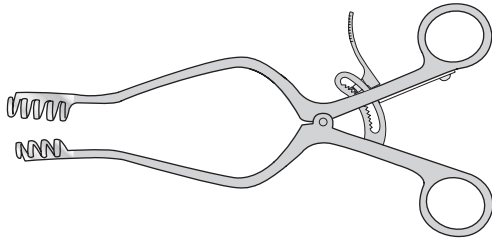
### Long blades

Code	DeTription
TI-006085	Long blade, 35mm deep
TI-OR/N038d	Long blade, 50mm deep
TI-OR/N038k	Long blade, 65mm
TI-OR/N038p	Long blade, 70mm deep
TI-OR/N038f	Long blade, 75mm deep
TI-OR/N038h	Long blade, 100mm deep
TI-003877	Long blade, 125mm
TI-003878	Long blade, 150mm
TI-OR/N038m	Long round blade, 50mm deep



## Travers Retractor

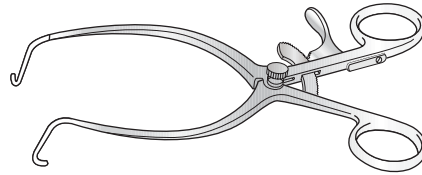
Self retaining, internal rack, 210mm long



Code	DeTraction
TI-GI/323	4 x 5 teeth, 95mm fully open

## Jackson Burrows Retractor

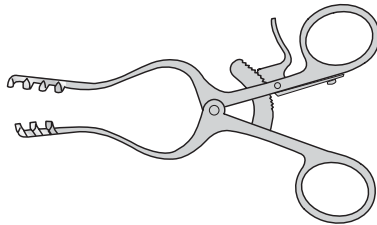
Self retaining



Code	DeTraction
TI-GI/377	175mm

## West Retractor

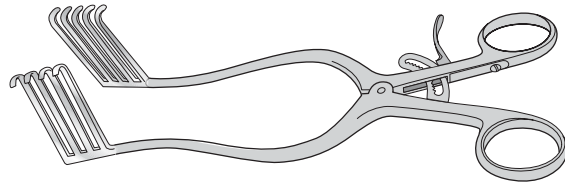
Self retaining, 140mm long



Code	DeTraction
TI-GI/326	3 x 4 teeth, 60mm fully open
TI-GI/326cr	3 x 4 teeth, 60mm fully open, with cam rack

## Norfolk and Norwich Retractor

4 x 5 teeth 50mm blades x 223mm long



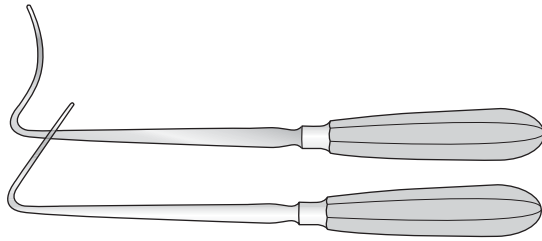
Code	DeTraction
TI-GI/325	Standard rack

# Retractors, Dissecting Forceps and Hooks



## Jackson Burrows Hand Retractor

225mm long



Code	DeTription
TI-OR/N050	Narrow curve, 13mm blade
TI-OR/N050a	Broad, angular, 20mm blade

## Kocher Bone Hook

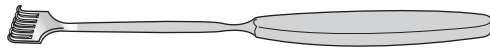
220mm long



Code	DeTription
TI-OR/N036	Sharp
TI-OR/N036a	Blunt

## Ballance (Volkman) Retractor

203mm long



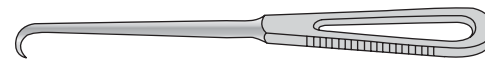
### Sharp

Code	DeTription
TI-GI/463	1 prong
TI-GI/463a	2 prong
TI-GI/463b	3 prong
TI-GI/463c	4 prong
TI-GI/463d	6 prong

### Blunt

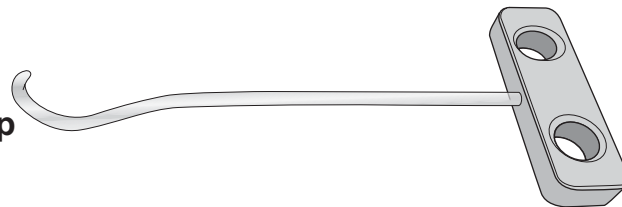
Code	DeTription
TI-GI/463e	1 prong
TI-GI/463f	2 prong
TI-GI/463g	3 prong
TI-GI/463h	4 prong
TI-GI/463i	6 prong

## Langenbeck Bone Hook



Code	DeTription
TI-OR/391	200mm long

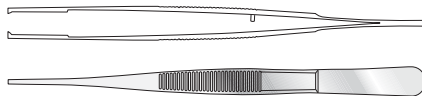
## Dislocation Hook



Code	DeTription
TI-OR/SH-5703	253mm long

## Jackson Burrows Dissecting Forcep

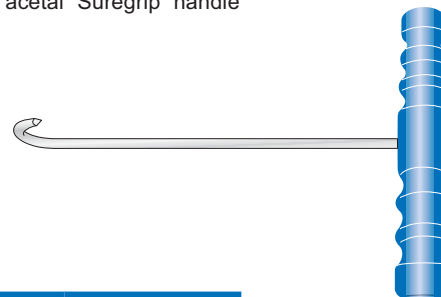
140mm long



Code	DeTription
TI-OR/N037	Tongue and groove only
TI-OR/N037a	Tongue and groove, 1-2 teeth

## Dislocation Hip Hook

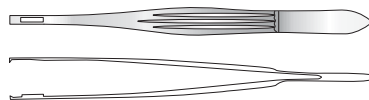
Blue acetal "Suregrip" handle



Code	DeTription
TI-OR/420	185mm long

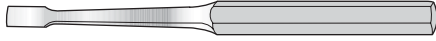
## Charnley-McIndoe Dissecting Forceps

150mm long



Code	DeTription
TI-OR/N045a	2-3 teeth

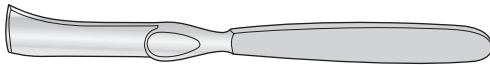
## Key Raspatories



Code	DeTription
TI-OR/310	Width 6.4mm 180mm long
TI-OR/313	Width 9.5mm 190mm long
TI-OR/311	Width 12.7mm 190mm long
TI-OR/312	Width 19mm 200mm long
TI-OR/314	Width 25.4mm 210mm long

## Lambotte Raspatory

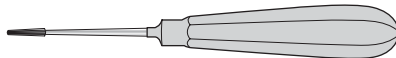
205mm Long



Code	DeTription
TI-OR/242	Width 10mm
TI-OR/243	Width 15mm
TI-OR/244	Width 20mm

## Paton Bone Burr

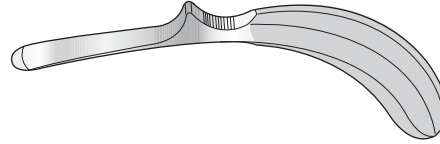
Satin handle, 155mm long



Code	DeTription
TI-OR/403	3.5mm ø x 17mm
TI-OR/403a	4.5mm ø x 17mm
TI-OR/403b	5.0mm ø x 17mm

## Robert Jones Rugine

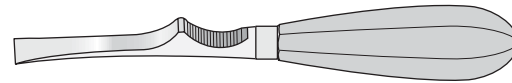
Convex sharp edge, fan shaped end, with solid pistol handle



Code	DeTription
TI-OR/N035	185mm long

## Mitchell Rugine

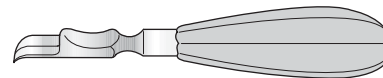
Straight, sharp edge, fan shaped, hollow handle



Code	DeTription
TI-OR/N034	210mm long

## Farabeuf Rugine

Curved end, chisel edge, hollow handle



Code	DeTription
TI-OR/N033	160mm long

# Osteotomes, Chisels and Gouges



## Lexer Osteotome

Blue acetal "Suregrip" handle, 180mm long



Code	DeTription
TI-OR/SH5347a	4mm

## Capener Lamina Gouge

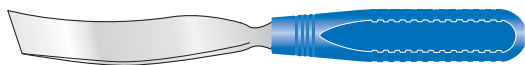
Blue acetal "Suregrip" handle, straight, 265mm long



Code	DeTription	Code	DeTription
TI-OR/362	Width 6mm	TI-OR/365	Width 15mm
TI-OR/363	Width 10mm	TI-OR/366	Width 20mm
TI-OR/364	Width 12mm	TI-OR/367	Width 25mm

## Capener Osteotome

Blue acetal "Suregrip" handle, 250mm long



### Shallow curved

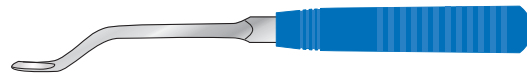
Code	DeTription
TI-OR/384	Width 6mm
TI-OR/385	Width 10mm
TI-OR/386	Width 12mm
TI-OR/387	Width 15mm
TI-OR/388	Width 20mm
TI-OR/389	Width 25mm
TI-OR/390	Width 30mm

### Acute curved

Code	DeTription
TI-OR/390a	Width 6mm
TI-OR/390b	Width 10mm
TI-OR/390c	Width 15mm
TI-OR/390d	Width 20mm
TI-OR/390e	Width 25mm

## Capener Lamina Gouge

Cranked, blue acetal "Suregrip" handle, 250mm long



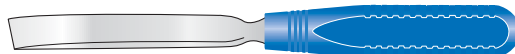
### With reversed edge

Code	DeTription	Code	DeTription
TI-OR/373c	Width 6mm	TI-OR/373cre	Width 6mm
TI-OR/373d	Width 8mm	TI-OR/373dre	Width 8mm
TI-OR/373j	Width 10mm	TI-OR/373je	Width 10mm
TI-OR/373e	Width 11mm	TI-OR/373er	Width 11mm
TI-OR/373f	Width 16mm	TI-OR/373fre	Width 16mm
TI-OR/373k	Width 17mm	TI-OR/373kre	Width 17mm

OTHER LENGTHS AND SIZES AVAILABLE

## Capener Osteotome

Blue acetal "Suregrip" handle, straight, 255mm long



Code	DeTription	Code	DeTription
TI-OR/374	Width 6mm	TI-OR/379	Width 15mm
TI-OR/375	Width 8mm	TI-OR/380	Width 18mm
TI-OR/376	Width 10mm	TI-OR/381	Width 20mm
TI-OR/377	Width 12mm	TI-OR/382	Width 25mm
TI-OR/378	Width 13mm	TI-OR/383	Width 30mm

## Capener Lamina Gouge

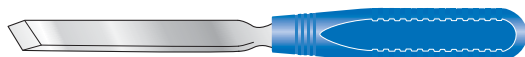
Swan neck, blue acetal "Suregrip" handle, 250mm long



Code	DeTription
TI-OR/373g	Width 8mm

## Capener Chisel

Blue acetal "Suregrip" handle straight, 250mm long



Code	DeTription	Code	DeTription
TI-OR/368	Width 6mm	TI-OR/371	Width 15mm
TI-OR/369	Width 10mm	TI-OR/372	Width 20mm
TI-OR/370	Width 12mm	TI-OR/373	Width 25mm

## Capener Lamina Gouge

Reverse cranked, blue acetal "Suregrip" handle, 245mm long



Code	DeTription	Code	DeTription
TI-OR/373ar	Width 11mm	TI-OR/3730r	Width 6mm
TI-OR/373nr	Width 16mm	TI-OR/3731r	Width 8mm
TI-OR/373jr	Width 17mm	TI-OR/373mr	Width 10mm



## Read Osteotome

Serrated head  
180mm long



Code	DeTription
TI-OR/335	Width 4mm
TI-OR/336	Width 5mm

## Read Gouge

Serrated head, 180mm long



Code	DeTription	Code	DeTription
TI-OR/344	Width 2mm	TI-OR/341	Width 6mm
TI-OR/345	Width 3mm	TI-OR/342	Width 7mm
TI-OR/346	Width 4mm	TI-OR/343	Width 8mm
TI-OR/347	Width 5mm		

## Read Chisel

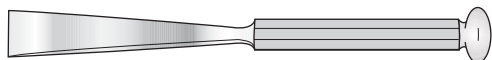
Serrated head, 180mm long



Code	DeTription	Code	DeTription
TI-OR/337	Width 2mm	TI-OR/341	Width 6mm
TI-OR/338	Width 3mm	TI-OR/342	Width 7mm
TI-OR/339	Width 4mm	TI-OR/343	Width 8mm
TI-OR/340	Width 5mm		

## Swedish Pattern Osteotome

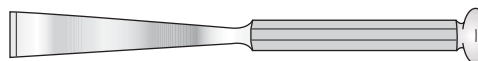
200mm long



Code	DeTription	With tungsten carbide edge	
Code	DeTription	Code	DeTription
TI-OR/348	Width 10mm	TI-OR/348tc	Width 10mm
TI-OR/349	Width 15mm	TI-OR/349tc	Width 15mm
TI-OR/350	Width 20mm	TI-OR/350tc	Width 20mm
TI-OR/351	Width 25mm	TI-OR/351tc	Width 25mm
TI-OR/352	Width 30mm	TI-OR/352tc	Width 30mm

## Swedish Pattern Chisel

200mm long

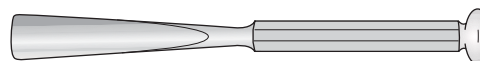


With tungsten carbide edge

Code	DeTription	Code	DeTription
TI-OR/353	Width 10mm	TI-OR/355tc	Width 20mm
TI-OR/354	Width 15mm	TI-OR/356tc	Width 25mm
TI-OR/355	Width 20mm	TI-OR/357tc	Width 30mm
TI-OR/356	Width 25mm	TI-OR/356tc	Width 25mm
TI-OR/357	Width 30mm	TI-OR/357tc	Width 30mm

## Swedish Pattern Gouge

200mm long



With tungsten carbide edge

Code	DeTription	Code	DeTription
TI-OR/358	Width 10mm	TI-OR/358tc	Width 10mm
TI-OR/359	Width 15mm	TI-OR/359tc	Width 15mm
TI-OR/360	Width 20mm	TI-OR/360tc	Width 20mm
TI-OR/361	Width 25mm	TI-OR/361tc	Width 25mm

## Lambotte Osteotome

230mm long



Straight

Code	DeTription
TI-OR/392	2mm wide
TI-OR/392a	4mm wide
TI-OR/392b	7mm wide
TI-OR/392c	15mm wide
TI-OR/392d	20mm wide
TI-OR/392e	25mm wide
TI-OR/392f	30mm wide
TI-OR/392g	38mm wide
TI-OR/392h	44mm wide
TI-OR/392i	50mm wide

Curved

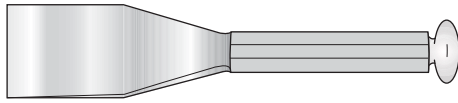
Code	DeTription
TI-OR/392j	15mm wide
TI-OR/392k	20mm wide
TI-OR/392m	25mm wide
TI-OR/392n	30mm wide
TI-OR/392o	38mm wide
TI-OR/392p	40mm wide
TI-OR/392q	44mm wide
TI-OR/392r	50mm wide

# Osteotomes, Chisels and Gouges



## Albee Osteotome

190mm long



Code	DeTription
TI-OR/NO62a	Width 38mm
TI-OR/NO62b	Width 50mm

## Small Gouges

150mm long



Code	DeTription
TI-OR/16-4	4mm wide
TI-OR/16-6	6mm wide
TI-OR/16-8	8mm wide

## Moore Hollow Osteotome

Rectangular, for curved standard stems



Code	DeTription
TI-OR/N008	135mm long
TI-OR/N008a	255mm long

## Box Chisel

Blue acetal "Suregrip" handle, 285mm long



Code
TI-OR/N008b

## Small Osteotomes

150mm long



Code	DeTription
TI-OR/14-4	4mm wide
TI-OR/14-6	6mm wide
TI-OR/14-8	8mm wide

## Alexander Gouge

Straight, 170mm long



Code	DeTription	Code	DeTription
TI-OR/290	Width 5mm	TI-OR/292	Width 9mm
TI-OR/291	Width 7mm	TI-OR/293	Width 11mm

## Small Chisels

150mm long



Code	DeTription
TI-OR/18-4	4mm wide
TI-OR/18-4	6mm wide
TI-OR/18-4	8mm wide

## PartTlh Gouge

Straight



140mm long

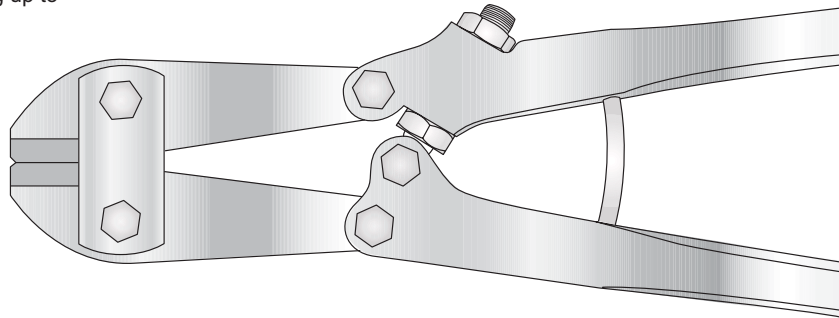
Code	DeTription
TI-OR/283	Width 3mm
TI-OR/284	Width 4mm
TI-OR/285	Width 5mm
TI-OR/286	Width 6mm

170mm long

Code	DeTription
TI-OR/294	Width 3mm
TI-OR/287	Width 4mm
TI-OR/295	Width 5mm
TI-OR/288	Width 6mm
TI-OR/289	Width 7mm

## Wire Cutting Pliers

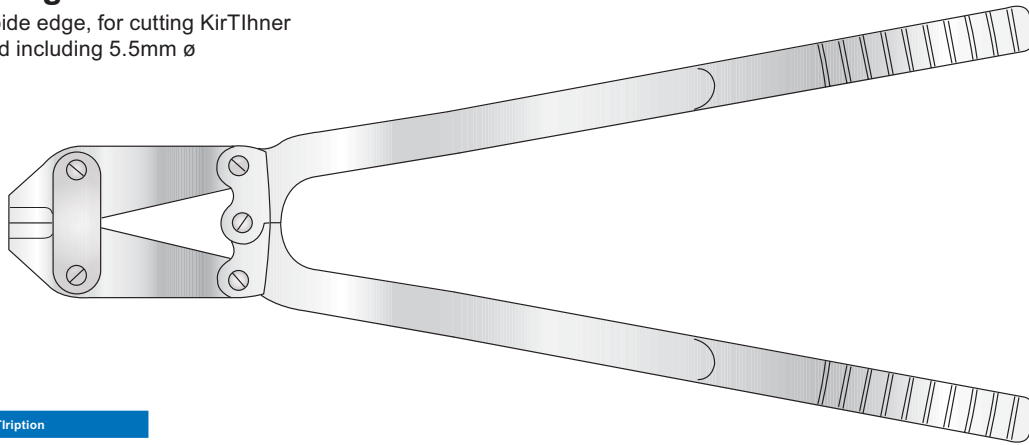
Tungsten carbide edge, for cutting up to and including 6mm  $\varnothing$



Code	DeTcription
TI-OR/258	450mm long
TI-OR/259	560mm long

## Wire Cutting Pliers

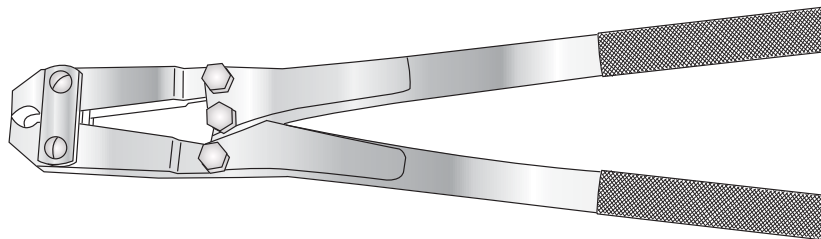
Tungsten carbide edge, for cutting KirTIhner wires up to and including 5.5mm  $\varnothing$



Code	DeTcription
TI-OR/07a	480mm long

## Wire Cutting Pliers

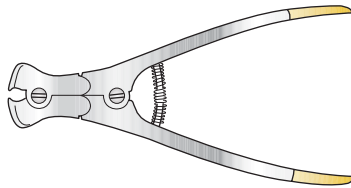
Tungsten carbide edge, for cutting KirTIhner wires up to 4mm  $\varnothing$



Code	DeTcription
TI-OR/261	380mm long

### Top Cutter

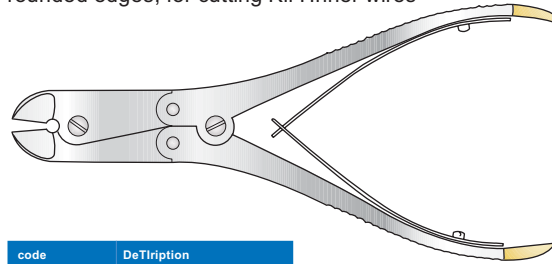
Gold handles, tungsten carbide edge, for cutting KirTIhner wire



Code	DeTription
TI-OR/06	Up to 2.5mm, 215mm long
TI-OR/06a	Up to 1.5mm, 145mm long

### Side Cutter

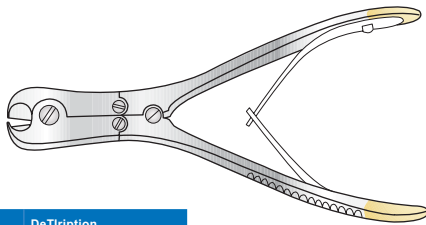
Gold handles, tungsten carbide edge, jaws have rounded edges, for cutting KirTIhner wires



code	DeTription
TI-OR/331	Up to 2.5mm ø, 230mm long
TI-OR/332	Up to 2.2mm ø, 215mm long
TI-OR/333	Up to 1.5mm ø, 145mm long

### Top and Side Cutter

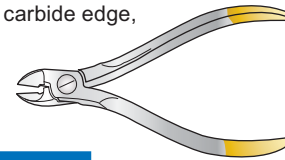
Small, gold handles, tungsten carbide edge, for cutting KirTIhner wires up to 1.5mm ø



Code	DeTription
TI-OR/06b	175mm long

### Wire Cutting Pliers

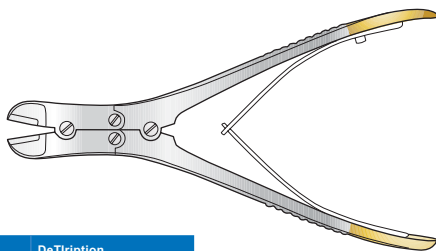
Gold handles, tungsten carbide edge, 120mm long



Code	DeTription
TI-OR/263	For wire up to 0.2mm ø
TI-OR/267	For wire up to 0.3mm ø
TI-OR/262	For wire up to 0.5mm ø
TI-OR/269	For wire up to 0.5mm ø 115mm long
TI-OR/268	For wire up to 0.7mm ø

### Side Cutter

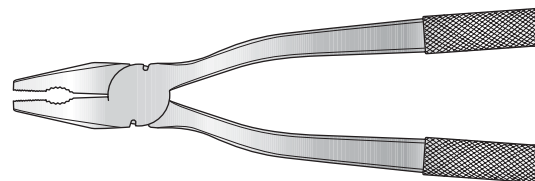
Compound action, angled tungsten carbide jaw, gold handles, for KirTIhner wire up to 1.6mm ø



Code	DeTription
TI-OR/N060	180mm long

### Orthopaedic Plier/Cutter

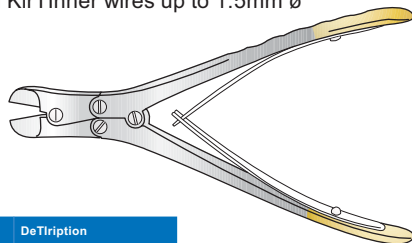
Stainless steel



Code	DeTription
TI-OR/271b	180mm long
TI-OR/271c	220mm long

### Side Cutter

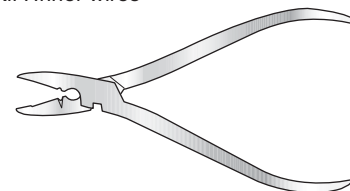
Gold handles, tungsten carbide edge, for cutting KirTIhner wires up to 1.5mm ø



Code	DeTription
TI-OR/260	170mm long

### Bone Plate Bender/Wire Cutter Pliers

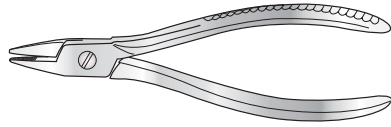
For nipping and breaking of soft wire only  
Not suitable for KirTIhner wires



Code	DeTription
TI-OR/32a	150mm long

## Pliers for Wire

175mm long



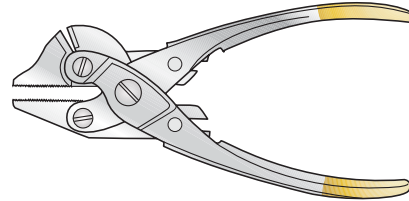
Code  
TI-OR/273



Code  
TI-OR/275

## Orthopaedic Plier/Cutter

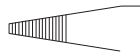
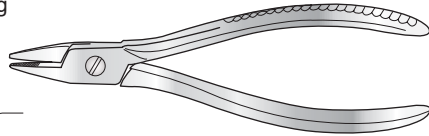
Stainless steel, tungsten carbide edge, for cutting KirTIhner wire up to 1.6mm



Code	DeTription
TI-OR/271a	TC 180mm long
TI-OR/271b	Non TC for cutting soft wire only, max cut 1.6mm, 180mm long

## Pliers for Bone Burrs

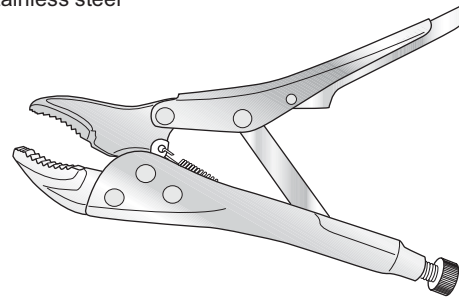
190mm long



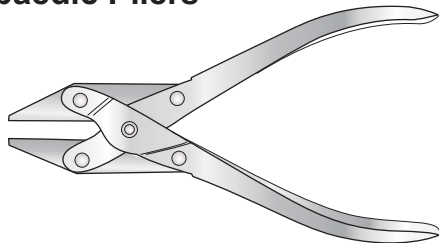
Code  
TI-OR/274

## Mole Grip Type Wrench

Stainless steel



## Orthopaedic Pliers



Code	DeTription
TI-OR/49b	185mm

Code	DeTription
TI-OR/N052	190mm long

# Accessories



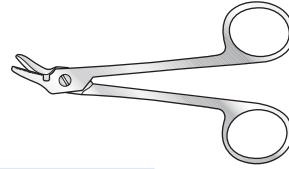
## Wire Twister Biomet Type



Code	Description
TI-OR/49a	150mm long

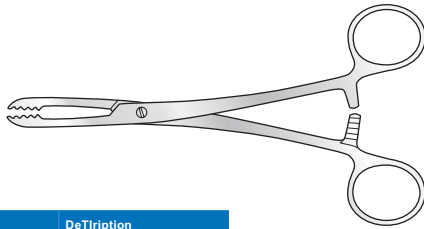
## Suture Wire Cutting Tissors

Angled to cut soft wire only, max cut 1.2mm



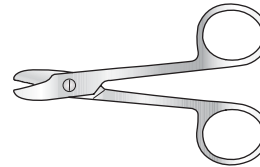
Code	Description
TI-OR/07b	120mm long

## Martin Cartilage Forceps



Code	Description
TI-OR/393	180mm long

## Suture Wire Cutting Tissors



Code	Description
TI-OR/07c	110mm long

## Charnley Suture Forcep

Slotted, 1-2 teeth



Code	Description
TI-OR/N045	180mm long

## Mallet

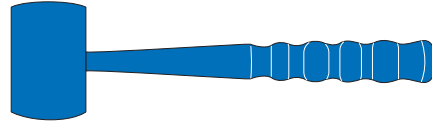
With serrated head, 170mm long



Code	DeTription
TI-OR/023	190 grams

## Mallet

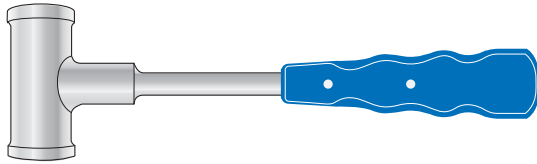
Blue acetal, 240mm long



Code	DeTription
TI-OR/LE1001	340 grams, vertical end

## Mallet

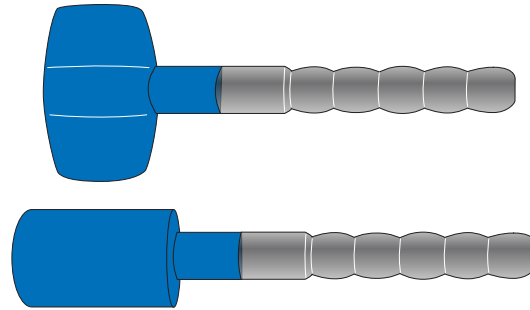
Blue acetal "Suregrip" handle, 275mm long



Code
TI-OR/270A-BH

## Mallet

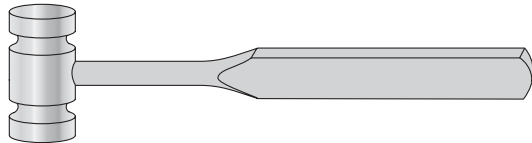
Blue acetal, 255mm long



Code	DeTription
TI-OR/22a	520 grams, vertical end
TI-OR/22	650 grams, horizontal end

## Mallet

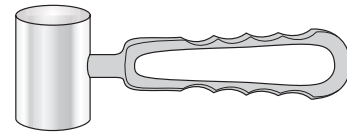
Stainless steel, 270mm long



Code	DeTription
TI-OR/270	640 grams
TI-OR/271	1020 grams

## Heath Mallet

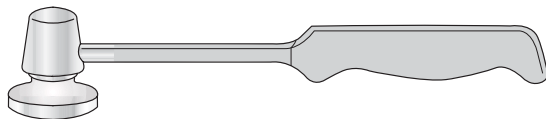
Stainless steel, 135mm long



Code	DeTription	Code	DeTription
TI-OR/N044c	650 grams	TI-OR/N044	1150 grams
TI-OR/N044b	920 grams	TI-OR/N044a	1340 grams

## Mallet

Stainless steel, with pistol grip\*  
240mm long

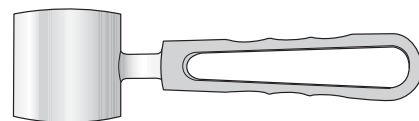


Code	DeTription
TI-OR/20	580 grams

**\*ALSO AVAILABLE WITH  
BLUE ACETAL HANDLE**

## Royal Cornwall Mallet

Stainless steel, with extended handle and strong welded head, 190mm long

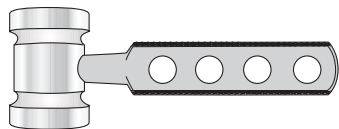


Code	DeTription
TI-OR/N044rc	1000 grams

# Mallets

## Orthopaedic Mallet

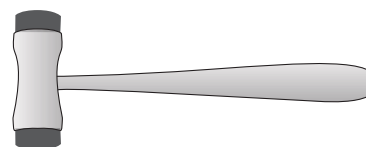
Surgical Holdings pattern, stainless steel, 170mm long



Code	DeTRIPTION
TI-OR/N055b	800 grams
TI-OR/N055	880 grams
TI-OR/N055a	1020 grams

## Kelsey Fry Mallet

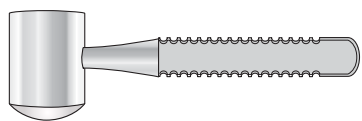
With renewable acetal ends, 190mm long



Code	DeTRIPTION
TI-OR/N047a	280 grams
TI-OR/N048	Replacement end - pair

## Orthopaedic Mallet

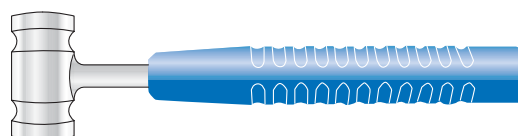
Stainless steel, Surgical Holdings pattern, one flat and one domed end, 180mm long



Code	DeTRIPTION
TI-OR/272a	960 grams
TI-OR/272c	750 grams

## Surgical Holdings Orthopaedic Mallet

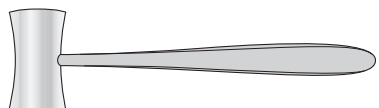
Stainless steel with blue acetal "Suregrip" handle 270mm long



Code	DeTRIPTION	Code	DeTRIPTION
TI-OR/410	720 grams	TI-OR/412	900 grams
TI-OR/411	800 grams	TI-OR/413	970 grams

## Toëe Hammer

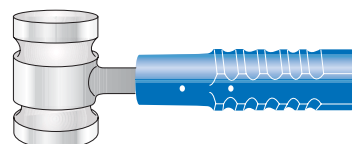
Stainless steel, one plain and one serrated side, 190mm long



Code	DeTRIPTION
TI-OR/N047	280 grams

## Surgical Holdings Orthopaedic Mallet

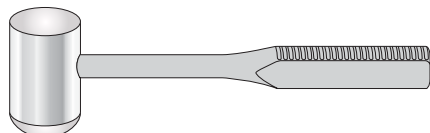
Stainless steel with blue acetal "Suregrip" handle 200mm long



Code	DeTRIPTION	Code	DeTRIPTION
TI-OR/414BH	660 grams	TI-OR/416BH	1020 grams
TI-OR/415BH	790 grams	TI-OR/417BH	1400 grams

## Ombredanne Mallet

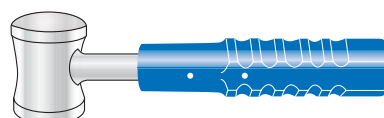
Stainless steel, one flat and one domed end



Code	DeTRIPTION
TI-OR/272	950 grams, 240mm long
TI-OR/272b	1110 grams, 270mm long

## Surgical Holdings Mallet

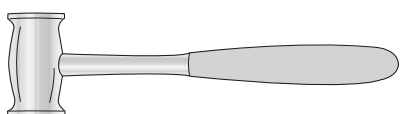
Stainless steel with blue acetal "Suregrip" handle domed faced head, 200mm long



Code	DeTRIPTION
TI-OR/418BH	650 grams

## Collin Mallet

Stainless steel, 205mm long



Code	DeTRIPTION
TI-OR/23	270 grams



## Putti Raspatory



Code	DeTription
TI-OR/12	300mm long

OTHER SHAPES AND CONFIGURATIONS ON REQUEST

## Miller Bone File

180mm long



Code	DeTription
TI-OR/318	Short end
TI-OR/319	Slight curve
TI-OR/322	Full curve

## Bone File and Raspatory

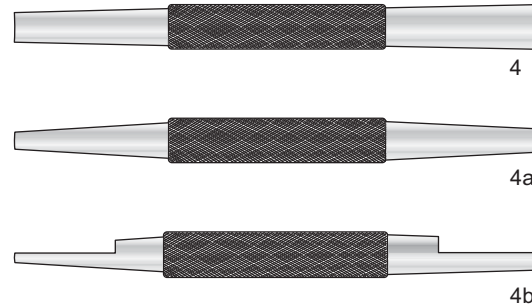
Stainless steel



Code	DeTription
TI-OR/12a	215mm long

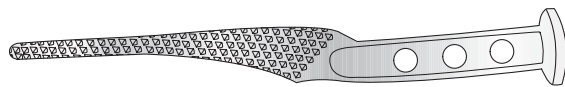
## McGoey Punch

Double ended, 220mm long



## Austin Moore Type Raspatory

Including tommy bar, 295mm long

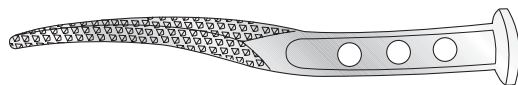


Code	DeTription
TI-OR/HP001	Standard
TI-OR/HP002	Narrow (not illustrated)

Code	DeTription
TI-OR/N04	13 x 19mm
TI-OR/N04a	6 x 10mm
TI-OR/N04b	13 x 6mm half round

## Thompson Type Raspatory

Including tommy bar



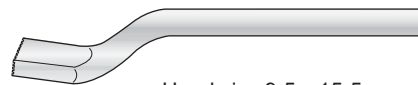
Many other types available  
Supply a drawing of the prosthesis - we will make the rasp in any batch size you require. The teeth will be chipped up at 0.75mm per face over and above the size of the prosthesis stem, to allow for cementing.

Code	DeTription
TI-OR/HP003	270mm long

## Smillie Bone Punch



Head size 15 x 19.5mm



Head size 9.5 x 15.5mm

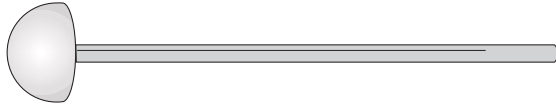
Code	DeTription
TI-OR/N018	Straight 140mm long
TI-OR/N019	Cranked 175mm long

# Pushers, Impactors and SkidT



## Iharnley Cup Pusher

With nylon head



Code	DeTription
TI-OR/N020	295mm long

## Hardinge Cement Restrictor

With T handle



Code	DeTription
TI-OR/HR001	335mm long

## Charnley Prosthesis Pusher

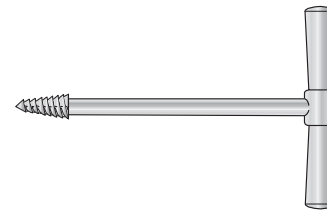
Stainless steel handle  
with nylon insert



Code	DeTription
TI-OR/N021	180mm long

## Moore Femoral Head Extractor

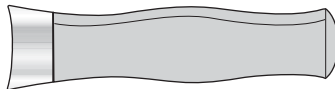
With T handle



Code	DeTription
TI-OR/N005	150mm long
TI-OR/N006	205mm long

## Judet Impactor

Stainless steel handle  
with nylon head



Code	DeTription
TI-OR/N009	140mm long

## Murphy Skids

Double ended, 355mm long



Code	DeTription
TI-OR/N007	Uncoated
TI-DIA/111	Coated

## Femoral Pusher

Head impactor, white Pomalux



Code	DeTription
TI-OR/N053	31mm ø x 180mm long

## Murphy Skids

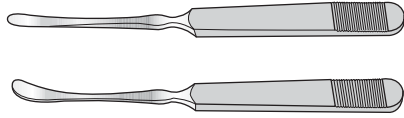
Single ended, 330mm long



Code	DeTription
TI-OR/N007a	Coated

## Adson Periosteal Elevator

Serrated grip, 165mm long



### straight

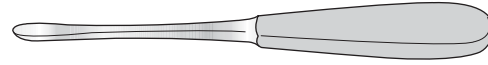
Code	DeTription
TI-OR/N028	7mm wide

### curved

Code	DeTription
TI-OR/N029	5mm wide
TI-OR/N030	7mm wide

## Langenbeck Elevator

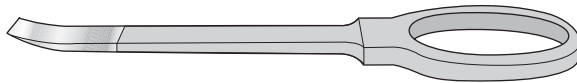
Straight



Code	DeTription
TI-OR/302	200mm long

## Bristow Periosteal Elevator

Sharp edge



Code	DeTription
TI-OR/N010	240mm long

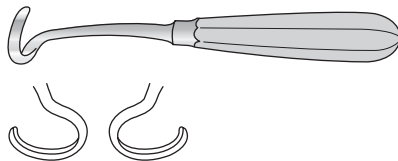
## MacDonald Dissector Double Ended



Code	DeTription
TI-GI/285	191mm long

## Doyen Periosteal Elevator

Satin finish handle



### 165mm long

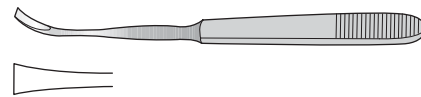
Code	DeTription
TI-OR/N031	Right
TI-OR/N032	Left

### 180mm long

Code	DeTription
TI-OR/256	Right
TI-OR/255	Left

## Pennybacker Elevator

Curved, sharp, 6mm wide



Code	DeTription
TI-OR/N025	170mm long

## Key Periosteal Elevator

190mm long



Code	DeTription
TI-OR/N023	10mm wide
TI-OR/N024	13mm wide

## Periosteal Elevator

Straight



Code	DeTription
TI-OR/19a	175mm long

# Elevators

## Periosteal Elevator

Straight, 12 x 20mm, with blue acetal "Suregrip" handle



Code	DeTription
TI-OR/SH-5695	195mm long

## Periosteal Elevator

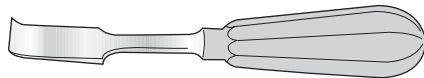
Curved, 5 x 25mm, with blue acetal "Suregrip" handle



Code	DeTription
TI-OR/SH-5696	185mm long

## Tudor Edwards Periosteal Elevator

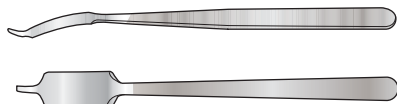
For first rib, satin finish handle, 175mm long



Code	DeTription
TI-OR/N026	12mm wide
TI-OR/N027	18mm wide

## Hohmann Bone Elevator

Matt finish, 160mm long



Code	DeTription
TI-OR/307a	6mm wide
TI-OR/307b	8mm wide
TI-OR/307d	10mm wide
TI-OR/307e	15mm wide

## Hohmann-Muller Spike Elevator

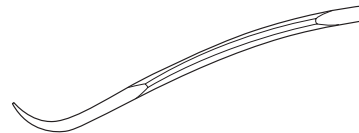
With narrow spade



Code	DeTription
TI-OR/307f	220mm long, 10mm wide
TI-OR/307	230mm long, 12mm wide
TI-OR/308	240mm long, 18mm wide

## Hohmann-Aldinger Bone Elevator

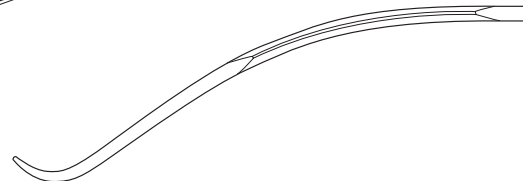
Curved



Code	DeTription
TI-OR/304	270mm long x 24mm wide

## Hohmann Bone Elevator

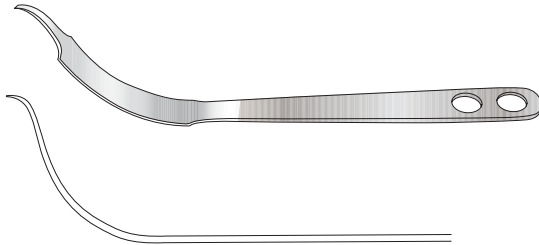
Curved



Code	DeTription
TI-OR/305	285mm long x 34mm wide

## Hohmann Bone Lever

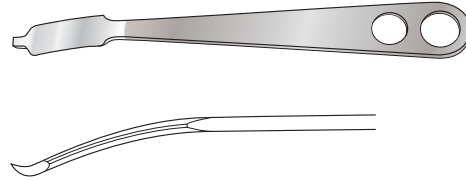
Curved, Leicester Royal Infirmary pattern



Code	DeTription
TI-OR/LGH-HOH	340mm long x 23mm wide

## Wagner Bone Elevator

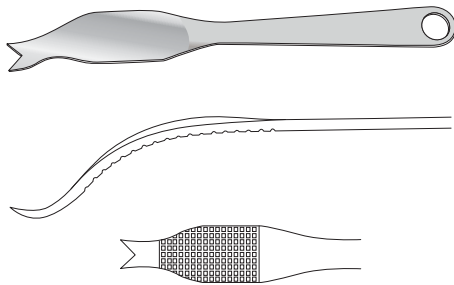
220mm long



Code	DeTription
TI-OR/307h	17mm wide

## Tihumacher Bone Elevator

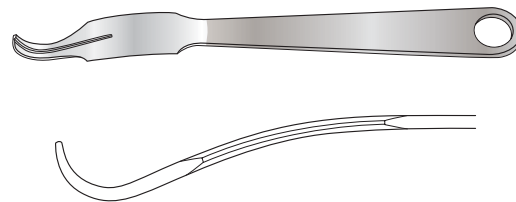
290mm long



Code	DeTription
TI-OR/307k	35mm wide, 18mm at edge

## Lange-Hohmann Bone Elevator

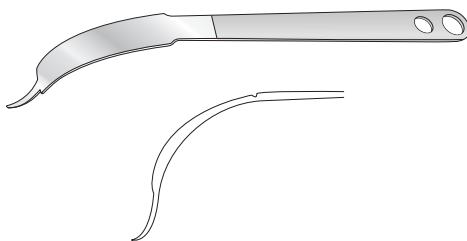
250mm long



Code	DeTription
TI-OR/307i	24mm wide

## Muller Soft Tissue Retractor

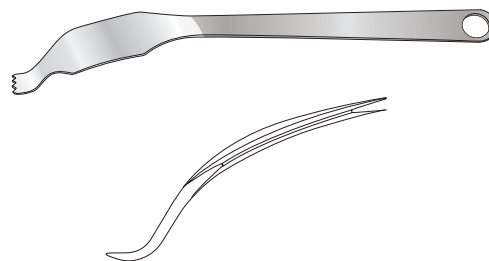
40mm wide



Code	DeTription
TI-OR/307aNOR	410mm long
TI-OR/307bNOR	300mm long

## Tihumacher Bone Elevator

345mm long

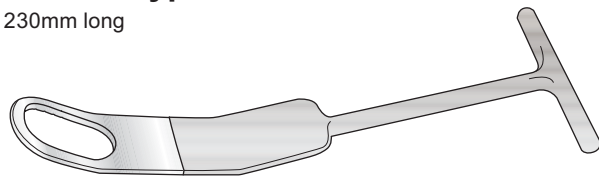


Code	DeTription
TI-OR/307j	37mm wide, 18mm at edge

# Retractors and Bone Levers

## Fakuda Type Retractor

230mm long

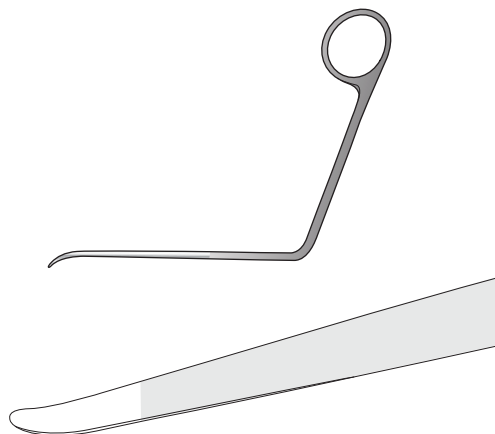


**Code**

TI-OR/SH5507

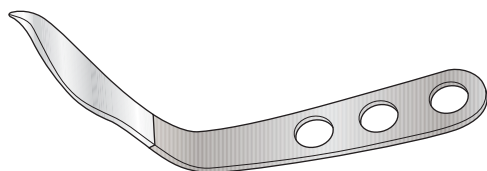
## Trethowan Bone Lever

Bent, ring handle 222mm long, 280mm long



## Hohmann Retractor

45° angle, 200mm long



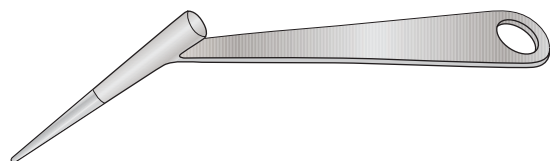
**Code**

TI-OR/SH5394

Code	Description
TI-OR/no17b	90° angle
TI-OR/no17c	70° angle (illustrated)
TI-OR/no17d	45° angle

## Hohmann Tapered Spike Retractor

225mm overall length

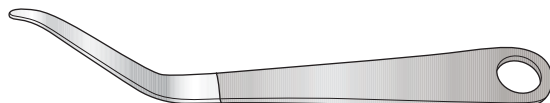


**Code**

TI-OR/308a

## Posterior Bone Lever

230mm long

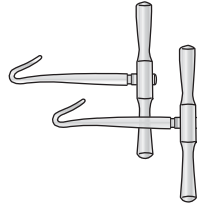


**Code**

TI-OR/308r

## Gigli Saw Handles

Per pair



Code	DeTription
TI-OR/08	65mm long

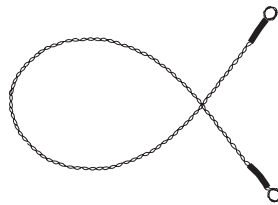
## Guys Tenotomy Knife



Code	DeTription
TI-OR/N046	140mm long

## Charnley Saws

Code	DeTription
TI-OR/10c	500mm long
TI-OR/11c	700mm long

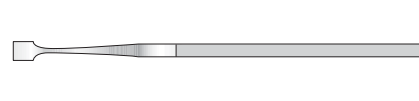


## Gigli Saws

Code	DeTription
TI-OR/09	300mm long
TI-OR/10	500mm long
TI-OR/11	700mm long

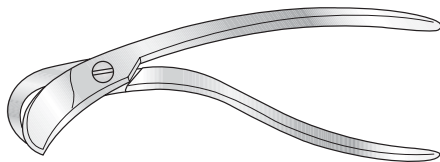
## Smillie Menisectomy Knife

175mm long



Code	DeTription
TI-OR/048	Straight

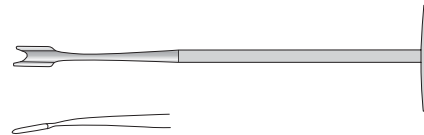
## Collin Rib Shears



Code	DeTription
TI-OR/001	195mm long

## Smillie Menisectomy Knife

Protruding beak at base, 175mm long

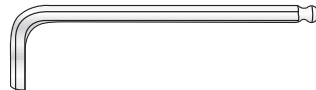


Code	DeTription
TI-OR/NO048a	Curved to right
TI-OR/NO048b	Curved to left

# Tirew and Plate Instruments

## Allen Key Sets

Bright guard



Code	DeTription
TI-OR/N051	1.5mm - 10mm

To order quote TI-OR/N051  
then add size required  
e.g. TI-OR/N051-1.5

Size mm	Overall Length
1.5	63mm
2.0	77mm
2.5	87mm
3.0	93mm
4.0	104mm
5.0	120mm
6.0	141mm
7.0	147mm
8.0	158mm
10.0	180mm

## Orthopaedic Ruler Stainless Steel



Code	DeTription
TI-OR/51a	Metric, 300mm

# Pins



## Denham Pin

Temporary implants, material conforms to BS 7252: Part 1: 1997. ISO 5832-1: 1997. Comp.D. CE marking available on request.



Code	Size
TI-DP/1-3SE	3.96mm dia x 203mm long trocar/3 side end
TI-DP/1SQ	3.96mm dia x 203mm long trocar/square end
TI-DP/2-3SE	3.96mm dia x 229mm long trocar/3 side end
TI-DP/2SQ	3.96mm dia x 229mm long trocar/square end

Code	Size
TI-DP/3-3SE	4.76mm dia x 203mm long trocar/3 side end
TI-DP/3SQ	4.76mm dia x 203mm long trocar/square end
TI-DP/4-3SE	4.76mm dia x 229mm long trocar/3 side end
TI-DP/4SQ	4.76mm dia x 229mm long trocar/square end

THREE SIDED END OR SQUARE END IN STOCK  
OTHER SIZES AVAILABLE

## Steinmann Pins

Temporary implants, material conforms to BS 7252: Part 1: 1997. ISO 5832-1: 1997. Comp.D. CE marking available on request



IPTT = trocar/trocar ends

Various specs available – contact us for full information

Ø mm*	Ø mm*
1.58	3.96
2.00	4.36
2.38	4.76
2.78	6.00
3.17	6.35
3.57	8.00



IPTS = trocar/trocar with one Tlrew end

LENGTHS 150, 180, 200, 250mm  
\*Other lengths and diameters available

When ordering, use prefix letters with size following  
e.g. Trocar with one Tlrew end  
Ø4.76mm = IPTS/476

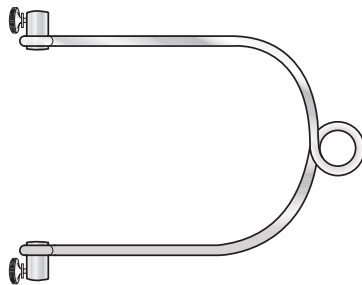


IPTSE = trocar/square end



IPTSE3 = trocar/with 3 sided end

## Bohler Stirrup



Code	DeTription
TI-OR/N001	Small 89 x 102mm
TI-OR/N002	Medium 114 x 165mm
TI-OR/N003	Large 152 x 241mm

## Steinmann Pin Cap with Tlrew

Code	DeTription
TI-OR/54b-4	4mm e
TI-OR/54c	Replacement Tlrew



TI-OR 54b



## Sterile KirTlhner and Arthrodesis Wires

Temporary implants, material conforms to BS 7252: Part 1: 1997. ISO 5832-1: 1997. Comp.D.

### Sterile Trocar/ Sterile Trocar Arthrodesis Wires

Code	Size	Code	Size	Code	Size
TI-325A-S	0.8mm x 70mm	TI-290-S	1.1mm x 200mm	TI-005-S	1.6mm x 50mm
TI-037-S	0.9mm x 70mm	TI-0019B-S	1.25mm x 150mm	TI-041-S	1.6mm x 70mm
TI-055-S	0.9mm x 75mm	TI-039-S	1.2mm x 70mm	TI-095-S	1.6mm x 100mm
TI-091-S	0.9mm x 100mm	TI-093-S	1.2mm x 100mm	TI-113-S	1.6mm x 115mm
TI-127-S	0.9mm x 125mm	TI-129-S	1.2mm x 125mm	TI-131-S	1.6mm x 125mm
TI-145-S	0.9mm x 140mm	TI-147-S	1.2mm x 140mm	TI-0012-S	1.6mm x 150mm
TI-0009-S	0.9mm x 150mm	TI-0010B-S	1.2mm x 150mm	TI-167-S	1.6mm x 180mm
TI-163-S	0.9mm x 180mm	TI-165-S	1.2mm x 180mm	TI-185-S	1.6mm x 200mm
TI-038-S	1.0mm x 70mm	TI-183-S	1.2mm x 200mm	TI-283-S	1.8mm x 200mm
TI-056-S	1.0mm x 75mm	TI-040-S	1.4mm x 70mm	TI-096-S	2.0mm x 100mm
TI-092-S	1.0mm x 100mm	TI-094-S	1.4mm x 100mm	TI-114-S	2.0mm x 115mm
TI-269-S	1.1mm x 90mm	TI-112-S	1.4mm x 115mm	TI-132-S	2.0mm x 125mm
TI-272-S	1.1mm x 100mm	TI-130-S	1.4mm x 125mm	TI-0013-S	2.0mm x 150mm
TI-275-S	1.1mm x 115mm	TI-148-S	1.4mm x 140mm	TI-168-S	2.0mm x 180mm
TI-278-S	1.1mm x 125mm	TI-0011-S	1.4mm x 150mm	TI-186-S	2.0mm x 200mm
TI-281-S	1.1mm x 140mm	TI-166-S	1.4mm x 180mm		
TI-0010C-S	1.1mm x 150mm	TI-184-S	1.4mm x 200mm		

### Sterile Trocar/Sterile KirTlhner Wires (Pack of 10 Sterile Singles)

Code	Size	Code	Size	Code	Size
TI-325-S	0.8mm x 70mm	TI-291-S	1.1mm x 200mm	TI-011-S	1.6mm x 50mm
TI-043-S	0.9mm x 70mm	TI-0015A-S	1.25mm x 150mm	TI-047-S	1.6mm x 70mm
TI-061-S	0.9mm x 75mm	TI-045-S	1.2mm x 70mm	TI-101-S	1.6mm x 100mm
TI-097-S	0.9mm x 100mm	TI-099-S	1.2mm x 100mm	TI-119-S	1.6mm x 115mm
TI-133-S	0.9mm x 125mm	TI-135-S	1.2mm x 125mm	TI-137-S	1.6mm x 125mm
TI-151-S	0.9mm x 140mm	TI-153-S	1.2mm x 140mm	TI-0017-S	1.6mm x 150mm
TI-0014A-S	0.9mm x 150mm	TI-0019-S	1.2mm x 150mm	TI-173-S	1.6mm x 180mm
TI-169-S	0.9mm x 180mm	TI-171-S	1.2mm x 180mm	TI-191-S	1.6mm x 200mm
TI-044-S	1.0mm x 70mm	TI-189-S	1.2mm x 200mm	TI-475-S	1.8mm x 200mm
TI-062-S	1.0mm x 75mm	TI-046-S	1.4mm x 70mm	TI-102-S	2.0mm x 100mm
TI-098-S	1.0mm x 100mm	TI-100-S	1.4mm x 100mm	TI-120-S	2.0mm x 115mm
TI-270-S	1.1mm x 90mm	TI-118-S	1.4mm x 115mm	TI-138-S	2.0mm x 125mm
TI-273-S	1.1mm x 100mm	TI-136-S	1.4mm x 125mm	TI-0018-S	2.0mm x 150mm
TI-276B-S	1.1mm x 115mm	TI-154-S	1.4mm x 140mm	TI-174-S	2.0mm x 180mm
TI-279-S	1.1mm x 125mm	TI-0021-S	1.4mm x 150mm	TI-192-S	2.0mm x 200mm
TI-282-S	1.1mm x 140mm	TI-172-S	1.4mm x 180mm		
TI-285-S	1.1mm x 150mm	TI-190-S	1.4mm x 200mm		

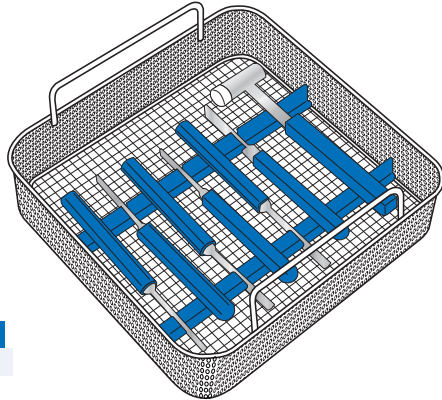
OTHER SIZES, FULL AND PARTIALLY THREADED STYLES ARE ALSO AVAILABLE PLEASE CONTACT US WITH YOUR REQUIREMENTS.

# Extremities Instruments and Sets



## Fine Hand Set

Includes: small stille type mallet 17cm long and 2mm, 4mm, 6mm, 8mm, 10mm and 12mm osteotomes



**Code**  
SH-6969

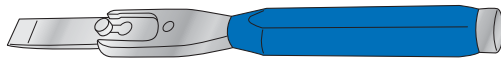
## Mini-Lexer Gouges

With blue acetal handle



Code	DeTcription
TI-OR/587-04	4mm wide, 18cm long
TI-OR/587-06	6mm wide, 18cm long
TI-OR/587-08	8mm wide, 18cm long
TI-OR/587-10	10mm wide, 18cm long

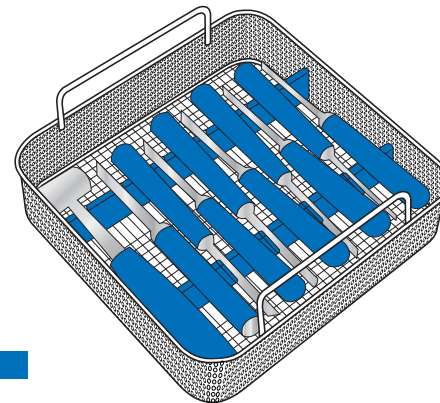
## Flexible Chisels and Blades



Code	DeTcription
TI-OR/593	Allen key for flat chisel blades introducer handle 185mm long
TI-OR/594	Chisel blade 5mm for introducer handle
TI-OR/594A	Chisel blade 5mm curved for introducer handle
TI-OR/595	Chisel blade 10mm for introducer handle
TI-OR/595A	Chisel blade 10mm curved for introducer handle
TI-OR/596	Chisel blade 15mm for introducer handle
TI-OR/596A	Chisel blade 15mm curved for introducer handle
TI-6954	Introducer handle for flat chisel blades 185mm long

## Mini-Lexer Osteotome and Gouge Set

Includes 4mm, 6mm, 8mm, 10mm gouges 18cm long and 2mm, 4mm, 6mm, 8mm and 10mm osteotomes 18cm long



**Code**  
TI-OR/587

## Mini Fine Hand Osteotomes

With blue acetal handle



Code	DeTcription
TI-6956	2mm wide, 165mm long
TI-6957	4mm wide, 165mm long
TI-6958	6mm wide, 165mm long
TI-6959	8mm wide, 165mm long
TI-6960	10mm wide, 165mm long
TI-6961	12mm wide, 165mm long

## Mini-Lexer Osteotomes

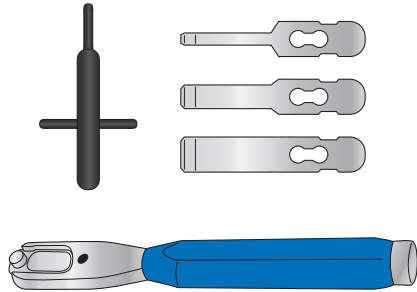
With blue acetal handle



Code	DeTcription
TI-OR/588-02	2mm wide, 18cm long
TI-OR/588-04	4mm wide, 18cm long
TI-OR/588-06	6mm wide, 18cm long
TI-OR/588-08	8mm wide, 18cm long
TI-OR/588-10	10mm wide, 18cm long

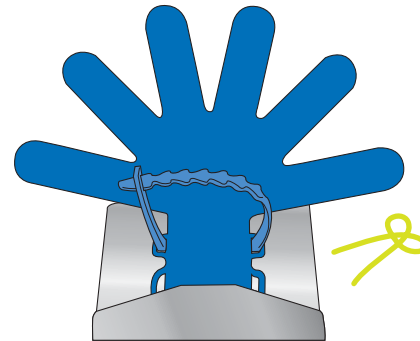
## Removable Flexible Chisel and Blade Set

With blue acetal handle



Code	DeTription
SH-7002	5mm, 10mm and 16mm straight
SH-7002A	5mm, 10mm and 16mm curved

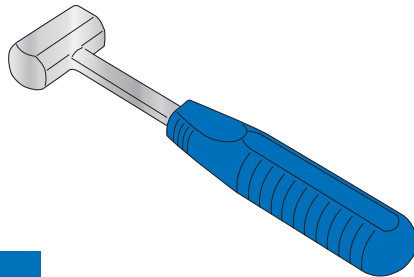
## Chirobloc Hand Immobiliser



Code	DeTription
CB3	Chirobloc 3 with wrist strap and 5 ForgetMeNots
CBL	Chirobloc Ballast
CBM	Chirobloc Large
CBP	Chirobloc Small
FMN2B.B	Chirobloc ForgetMeNot Blue
FMN2B.Y	Chirobloc ForgetMeNot Yellow

## Small Mallet

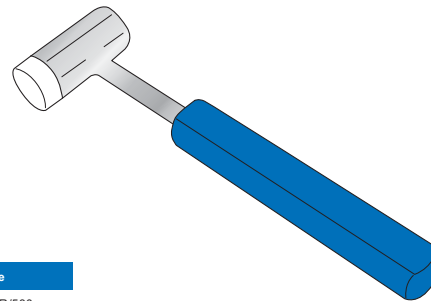
Small mallet 340 gram 210mm long with one flat and one round end fitted with blue acetal handle



Code
SH-6955

## Small Stille Type Mallet

Ultra fine mallet 180mm long with one nylon head fitted with a blue acetal handle 180 gram

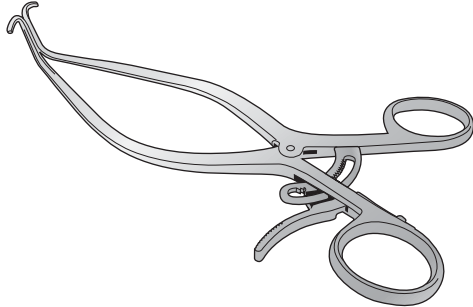


Code
TI-OR/580

# Shoulder Instruments

## Kolbel Soft Tissue Retractor

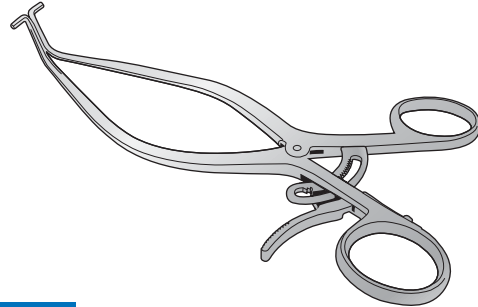
Single-pronged, angled, 190mm



Code  
TI-004637943

## Kolbel Soft Tissue Retractor

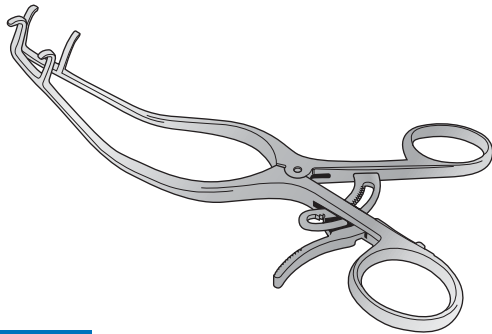
Single-pronged, straight, very fine tips, 190mm



Code  
TI-004636943

## Kolbel Soft Tissue Retractor

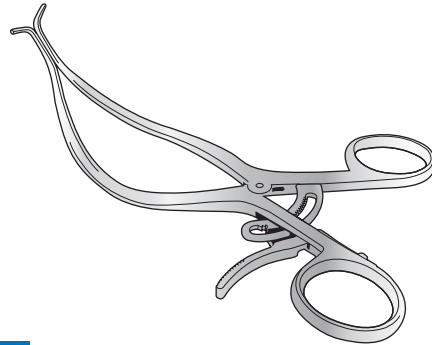
Double pronged, angled, 190mm



Code  
TI-004454965

## Capsule Spreader

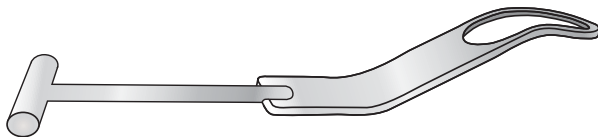
Single-pronged, fine, 90° curved, 165mm



Code  
TI-004455954

## Fukuda-Kujat Humeral Head Retractor

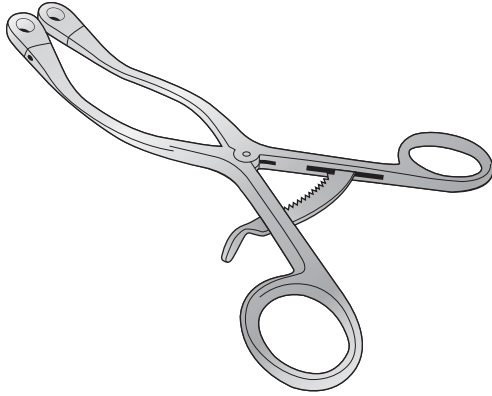
35mm, wide blade, 225mm



Code  
TI-0046351113

## Kolbel Self Retaining Glenoid Retractor

With ball snap-fit, slightly curved, 200mm



**Code**  
TI-004459965

## Kolbel Glenoid Retractor

Double-pronged, angled tips, 300mm, 18mm straight



**Code**  
TI-004458416

## Kolbel Glenoid Retractor

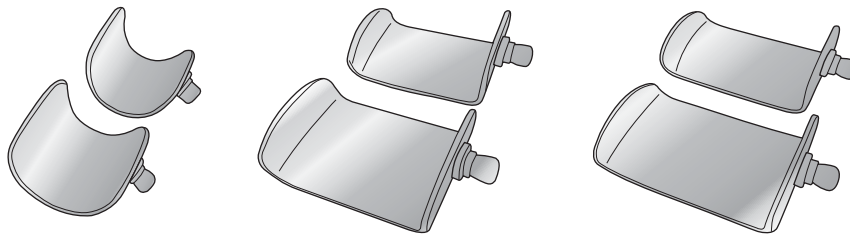
Double-pronged, angled tips, 300mm, 15mm strongly curved



**Code**  
TI-004457V318416

## Pair of Kolbel Self Retaining Glenoid Retractor Blades

With ball fit



Code	Description
TI-004460954	Pair of blades size 36 x 36mm
TI-004461V316	Pair of blades size 53 x 36mm
TI-004462V319	Pair of blades size 68 x 36mm



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ایران صنعت و تجارت سہیل گارٹ

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COMPANY'S EXPOSURE