Wire Instruments, Kirschner Wires, Extension Bows
### Wire Instrument Set

#### T 700  Wire Instrument Set

**T 111** Aluminium Case

**T 112** Upper Tray

**T 112** Lower Tray

#### Instruments

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>7-416</td>
<td>Forceps for holding cerclage wire</td>
<td>2 units</td>
</tr>
<tr>
<td>7-419</td>
<td>Wire Bending-Cutting Pliers</td>
<td></td>
</tr>
<tr>
<td>7-402</td>
<td>Flat-Nosed Parallel Pliers</td>
<td></td>
</tr>
<tr>
<td>7-398</td>
<td>Vise Grip</td>
<td></td>
</tr>
<tr>
<td>7-414</td>
<td>Wire Cutter, small</td>
<td></td>
</tr>
<tr>
<td>7-434</td>
<td>Wire Cutter, large</td>
<td></td>
</tr>
</tbody>
</table>

#### Instruments (Tray (upper))

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Quantity</th>
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<tbody>
<tr>
<td>7-375</td>
<td>Wire Guide 45 mm</td>
<td></td>
</tr>
<tr>
<td>7-377</td>
<td>Wire Guide 70 mm</td>
<td></td>
</tr>
<tr>
<td>7-378</td>
<td>Wire Tightener</td>
<td></td>
</tr>
<tr>
<td>7-022</td>
<td>Cerclage Wires with eye, 1.0 mm ø, 280 mm long</td>
<td>10 units</td>
</tr>
<tr>
<td>7-023</td>
<td>Cerclage Wires with eye, 1.2 mm ø, 280 mm long</td>
<td>20 units</td>
</tr>
<tr>
<td>7-010</td>
<td>Wire Coil, 1.0 mm ø, length 10 metres</td>
<td>1 units</td>
</tr>
<tr>
<td>7-012</td>
<td>Wire Coil, 1.2 mm ø, length 10 metres</td>
<td>1 units</td>
</tr>
<tr>
<td>7-252-</td>
<td>Cerclage Wires with eye, 1.0 / 1.2 / 2.0 / 2.5 / 3.0 mm ø, 10 each Kirschner</td>
<td>50 units</td>
</tr>
<tr>
<td>7-270</td>
<td>1.6 mm ø</td>
<td></td>
</tr>
<tr>
<td>7-260</td>
<td></td>
<td>20 units</td>
</tr>
</tbody>
</table>
Cerclage Wire soft, in coils of 10 m

<table>
<thead>
<tr>
<th>ø mm</th>
<th>0.2</th>
<th>0.3</th>
<th>0.4</th>
<th>0.5</th>
<th>0.6</th>
<th>0.7</th>
<th>0.8</th>
<th>0.9</th>
<th>1.0</th>
<th>1.2</th>
<th>1.5</th>
</tr>
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<tbody>
<tr>
<td>Gauge</td>
<td>31</td>
<td>29</td>
<td>27</td>
<td>25</td>
<td>23</td>
<td>22</td>
<td>21</td>
<td>20</td>
<td>19</td>
<td>18</td>
<td>17</td>
</tr>
<tr>
<td>Cat. No.:</td>
<td>7-002</td>
<td>7-003</td>
<td>7-004</td>
<td>7-005</td>
<td>7-006</td>
<td>7-007</td>
<td>7-008</td>
<td>7-009</td>
<td>7-010</td>
<td>7-012</td>
<td>7-015</td>
</tr>
</tbody>
</table>

Cerclage Wires with eye, soft

- 7-020: 0.8 mm, 280 mm
- 7-022: 1.0 mm, 280 mm
- 7-023: 1.2 mm, 280 mm
- 7-024: 1.0 mm, 600 mm
- 7-025: 1.2 mm, 600 mm

7-380 Wire Tightener

7-030 Parham Martin Band Tightener

7-032 Parham Metal Bone Bands 19 cm x 0.5 mm
7-031  Wire Tightner
        260 mm

7-033  Long Forceps for Twisting Wire
        230 mm

7-034  Plier Cum Wire Bender
        155 mm
Dispenser for Kirschner Wires

- Stores, sterilizes, and dispenses one size at a time
- Sharp points are protected by silicone insert in cap
- To avoid injury, load wire with blunt end down
- Hexagonal shape of cap prevents unwanted movement of dispenser
- Diameter is marked for easy identification
- Full Perforation allows for proper sterilization

easy to transport and storage

<table>
<thead>
<tr>
<th>Wire Length</th>
<th>Wire ø 0.8 mm</th>
<th>Wire ø 1.0 mm</th>
<th>Wire ø 1.2 mm</th>
<th>Wire ø 1.4 mm</th>
<th>Wire ø 1.5 mm</th>
<th>Wire ø 1.6 mm</th>
<th>Wire ø 1.8 mm</th>
<th>Wire ø 2.0 mm</th>
<th>Wire ø 2.2 mm</th>
<th>Wire ø 2.5 mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>16.0 cm</td>
<td>7-850</td>
<td>7-852</td>
<td>7-854</td>
<td>7-856</td>
<td>7-857</td>
<td>7-858</td>
<td>7-859</td>
<td>7-860</td>
<td>7-862</td>
<td>7-864</td>
</tr>
<tr>
<td>31.0 cm</td>
<td>7-870</td>
<td>7-872</td>
<td>7-874</td>
<td>7-876</td>
<td>7-877</td>
<td>7-878</td>
<td>7-879</td>
<td>7-880</td>
<td>7-882</td>
<td>7-884</td>
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</table>

Kirschner Wires

<table>
<thead>
<tr>
<th>Point</th>
<th>Shaft End</th>
<th>Wire ø 0.8 mm</th>
<th>Wire ø 1.0 mm</th>
<th>Wire ø 1.2 mm</th>
<th>Wire ø 1.4 mm</th>
<th>Wire ø 1.5 mm</th>
<th>Wire ø 1.6 mm</th>
<th>Wire ø 1.8 mm</th>
<th>Wire ø 2.0 mm</th>
<th>Wire ø 2.2 mm</th>
<th>Wire ø 2.5 mm</th>
<th>Wire ø 3.0 mm</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>round</td>
<td>7-120</td>
<td>7-121</td>
<td>7-122</td>
<td>7-123</td>
<td>7-124</td>
<td>7-125</td>
<td>7-126</td>
<td>7-127</td>
<td>7-128</td>
<td>7-129</td>
<td>7-130</td>
</tr>
<tr>
<td></td>
<td>round</td>
<td>7-120</td>
<td>7-121</td>
<td>7-122</td>
<td>7-123</td>
<td>7-124</td>
<td>7-125</td>
<td>7-126</td>
<td>7-127</td>
<td>7-128</td>
<td>7-129</td>
<td>7-130</td>
</tr>
</tbody>
</table>
Metall Rack for Kirschner Wires

For storage and sterilization of Kirschner Wires only Dispenser

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Description</th>
<th>Sizes</th>
</tr>
</thead>
<tbody>
<tr>
<td>7-840</td>
<td>310 mm Dispenser</td>
<td>0.8 - 1.0 mm - 1.2 mm - 1.4 mm - 1.5 mm - 1.6 mm - 1.8 mm - 2.0 mm</td>
</tr>
<tr>
<td>7-842</td>
<td>150 mm Dispenser</td>
<td>0.8 - 1.0 mm - 1.2 mm - 1.4 mm - 1.5 mm - 1.6 mm - 1.8 mm - 2.0 mm</td>
</tr>
</tbody>
</table>

Basket for Dispensers for K-wires

- Basket for Dispensers for K-wires
- Basket for Dispensers for K-wires complete

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Description</th>
<th>Sizes</th>
</tr>
</thead>
<tbody>
<tr>
<td>7-895</td>
<td>Basket for Dispensers for K-wires</td>
<td>0.8 - 1.0 mm - 1.2 mm - 1.4 mm - 1.5 mm - 1.6 mm - 1.8 mm - 2.0 mm - 2.5 mm</td>
</tr>
<tr>
<td>7-896</td>
<td>Basket for Dispensers for K-wires complete</td>
<td>7-850 - 7-884 (20 pieces)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Description</th>
<th>Additional Items</th>
</tr>
</thead>
<tbody>
<tr>
<td>7-350</td>
<td>Bending Iron</td>
<td>1 piece</td>
</tr>
<tr>
<td>7-434</td>
<td>Wire Cutter</td>
<td>1 piece</td>
</tr>
<tr>
<td>7-350</td>
<td>Bending Iron</td>
<td>1 piece</td>
</tr>
</tbody>
</table>
Kirschner Wires with thread and trocar points, round end

<table>
<thead>
<tr>
<th></th>
<th>Diameter</th>
<th>Length</th>
<th>Threaded Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>7-310</td>
<td>1.6 mm</td>
<td>150 mm</td>
<td>5 mm</td>
</tr>
<tr>
<td>7-312</td>
<td>1.6 mm</td>
<td>150 mm</td>
<td>15 mm</td>
</tr>
<tr>
<td>7-314</td>
<td>2.0 mm</td>
<td>150 mm</td>
<td>15 mm</td>
</tr>
<tr>
<td>7-316</td>
<td>2.0 mm</td>
<td>200 mm</td>
<td>15 mm</td>
</tr>
<tr>
<td>7-318</td>
<td>2.5 mm</td>
<td>200 mm</td>
<td>15 mm</td>
</tr>
<tr>
<td>7-320</td>
<td>2.5 mm</td>
<td>230 mm</td>
<td>20 mm</td>
</tr>
</tbody>
</table>

7-348  Bending Iron for K-Wire ø 0.8 bis 1.25 mm

7-350  Bending Iron for Kirschner Wires
7-353  Pliers with serrated jaws and groove
7-356  Pliers with serrated jaws without groove
7-358  Rounded Pliers with serrated jaws
No manual device has ever achieved this function
For years, surgeons have sought a simple pin driver that could actually be fully controlled with one hand. The new Vickers Easidriver leaves the other hand free to manipulate tissue, leaving the patient in better hands.

Ideal back up unit for official and hospital
What do you use when your power equipment fails during surgery? Now you have the handy Vickers Easidriver. Without loss of precious time, it is ready for use. In cases where power equipment is not indicated or available, the Vickers can become your primary driver, allowing for feel and control that power units don’t offer

7-890 Vickers Easidriver
- Single handed operation
- Chuckless
- Depthscale
- Wire bending facility
- No maintenance
- No set-up
- Autoclavable

7-897 k-Wire Introducer, for 1.5 and 2.0 mm Wires
The Larsen Pin

A non-sliding device for Tension Absorbing Wire (TAW) technique

FEATURES
The stainless steel (W14310 - AISI 302) pin is a high polished 1.6 mm diamond shaped implant, which is available in 4 sizes, 60, 80, 100 and 120 mm of length. The head of the pin is 2.5 mm thick, and the anchoring hole is 1.2 mm to facilitate a 1 mm cerclage wire. The proximal part of the Larsen Pin is prepared for cutting, and fits in conventional as well as mini drivers. This part of the pin is 2 mm thick. No special device or tool is required for the insertion, and a normal wire cutter will suffice for cutting off the pin.

GENERAL OPERATIVE TECHNIQUES
When using tension absorbing wire techniques in connection with this non-sliding pin, the risk of skin problems, sliding off the cerclage wire, pin migration and fragmentation of small bone fragments will be excluded.
TECHNIQUE
The Larsen Pin is designed for the treatment of transverse or oblique fractures of the olecranon and the patella, but is also well suited in all cases where the tension absorbing wire techniques is desirable.

INDICATIONS
The operation technique when using the Larsen Pin is very simple, and in many ways similar to the routine used with conventional Kischner wires. The fracture and joint is exposed through a postero-lateral approach. The fracture is reduced, and the two Larsen Pins are drilled in parallel to the axis of the diaphyseal part of the ulna. The holes of the pins should at this stage be left 0.5 - 1 cm apart from the aligcranon bone. The pins are then positioned with the holes aligned to facilitate the insertion of the cerclage wire.

A 2 mm hole is drilled perpendicular to the long axis of the on and 3 - 4 mm distally of the fracture line.

A 1 mm cerclage wire is inserted through the holes in the pin heads, and another similar cerclage is placed through the hole in the ulnar bone. The pins are impacted until stopped by the pin heads. The importance of good impaction on the fracture side is emphasised. Further compression of the fracture is achieved by twisting the free ends of the cerclage wires, making sure that equal tension is reached on both sides. In cases of olecranon fractures, a figure-of-eight technique is recommended. The loop-ends are bent and placed properly, taking into account the risk of skin affection.
7-360 Needle Nose Pliers delicate with wire guide 13.5 cm

7-362 Needle Nose Pliers serrated jaw 2 mm tip 14.0 cm

7-364 Needle Nose Pliers serrated jaw 5 mm tip 14.0 cm

7-365 Needle Nose Pliers delicate jaw tapers to 2 mm for cerclage wire 15.0 cm
**7-367** 
**Pin Puller**  
Jaw tapers to 3 mm  
Tungsten carbide inserts  
14.0 cm

**7-368** 
**Needle Nose Pliers**  
2" long delicate jaw  
Tapers to 2 mm at tip  
18.0 cm

**7-369** 
**K-Wire and Plate Bender**  
Max. (1.1) mm  
Bends mini plates and k-wire up to (1.1 mm) to 90° angle  
12.0 cm

**7-366** 
**K-Wire and Plate Bender**  
Max. (1.6) mm  
Bends k-wire up to (1.6 mm) to 90° angle  
14.0 cm
All purpose pliers for wires, pins, screws and rods

7-371 2 mm jaw
2" maximum opening
20.0 cm

Universal Pliers
serrated with spring and cutting edge
(1.1 mm) max cut

· Combination pliers and wire cutter
· Precision serrated jaws produce firm and secure gripping action
· Tungsten carbide welded jaws cut all sizes of cerclage wire and k-wire up to 1.1 mm
· Heavy duty spring for strong return

7-381 6½" square 7 mm jaw
7-382 7" tapers from 8 mm to 2 mm at tip
7-383 8" needle nose 2" long jaw tapers to 2 mm at tip
7-388 Extraction Pliers for boring wire 130 mm
7-390 Extraction Pliers for boring wire 180 mm

7-392 Extraction Pliers for wire 180 mm
7-394 Extraction Pliers TC jaws

7-396 Vise Grip 180 mm
Chrom Vanadium

7-398 Vise Grip 180 mm
Stainless Steel

7-397 Vise Grip 200 mm
Stainless Steel

7-399 Vise Grip 240 mm
Stainless Steel

7-400 Flat-nosed Pliers, parallel, with lateral Wire Cutter, 180 mm
Chrom Vanadium Steel

7-401 Flat-nosed Pliers, parallel, without lateral Wire Cutter, 180 mm
Chrom Vanadium Steel

7-402 Flat-nosed Pliers, parallel, without lateral Wire Cutter, 180 mm
Stainless Steel

7-403 Flat-nosed Pliers, parallel, with lateral Wire Cutter, 180 mm
Stainless Steel
Needle Nosed Locking Pliers

- 7-407 30,0 cm
- 7-408 25,0 cm
- 7-409 22,0 cm
7-410 Universal Scissors
7-412 Universal Scissors with TC cutting edges

7-414 Wire Cutter

7-416 Wire Tightening Pliers TC

7-418 Wire Bending Pliers
soft wire 1.5 mm
hard wire 1.0 mm

7-420 Pliers

7-422 Wire Cutter
soft wire 2.0 mm
hard wire 1.2 mm
Wire Cutters

7-430  TC 180 mm
soft wire 2.0 mm
hard wire 1.5 mm

7-432  180 mm frontal and lateral cutting action TC
soft wire 2.0 mm
hard wire 1.5 mm

7-434  Wire Cutter 220 mm TC
soft wire 3.0 mm
hard wire 2.5 mm

7-436  Wire Cutter 220 mm TC
soft wire 2.5 mm
hard wire 2.2 mm

7-438  Wire Cutter TC 140 mm
soft wire 1.2 mm
hard wire 0.8 mm
7-442 Wire Cutter
  cannulated 180 mm
  soft wire 2.4 mm
  hard wire 1.6 mm

7-443 Wire Cutter
  Hard Wire 2.0 mm

7-441 Wire Cutter TC
  Hard Wire 1.2 mm
Wire Cutters

7-444  Cutter for cutting of Kirschner wires
       Steinmann Pins up to 6 mm ø hard
       540 mm TC

7-446  Cutter for cutting of Kirschner wires
       Steinmann Pins up to 6 mm ø hard
       460 mm TC

7-450  575 mm
       Hard wire 6.0 mm
7-453
Pin Cutter / Side cutter
max. 4 mm
38,0 cm

7-454
End Cutter
end cutting max. 4,8 mm
38,0 cm

7-452
End Cutter
end cutting jaws max. 3,2 mm
26,0 cm

7-456
Double Action Pin Cutter
cuts plates and wires max. 3.2 mm
24,0 cm
Wire Extension

Kirscher, American type

<table>
<thead>
<tr>
<th>Size</th>
<th>Max. Jaw Opening</th>
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<tbody>
<tr>
<td>7-460</td>
<td>Medium 130 mm</td>
</tr>
<tr>
<td>7-462</td>
<td>Large 185 mm</td>
</tr>
<tr>
<td>7-464</td>
<td>Extra Large 220 mm</td>
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</table>

Kirscher

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
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<tbody>
<tr>
<td>7-468</td>
<td>40 x 140 mm</td>
</tr>
<tr>
<td>7-470</td>
<td>60 x 220 mm</td>
</tr>
</tbody>
</table>

Wire Strainer for Kirschner Extension Bow

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>7-472</td>
<td>20.0 cm x 15.5 cm</td>
</tr>
<tr>
<td>7-474</td>
<td>15.5 cm x 15.5 cm</td>
</tr>
<tr>
<td>7-476</td>
<td>13.5 cm x 13.0 cm</td>
</tr>
<tr>
<td>7-478</td>
<td>12.0 cm x 12.0 cm</td>
</tr>
<tr>
<td>7-480</td>
<td>10.5 cm x 10.0 cm</td>
</tr>
<tr>
<td>7-482</td>
<td>9.5 cm x 11.0 cm</td>
</tr>
<tr>
<td>7-484</td>
<td>9.5 cm x 7.0 cm</td>
</tr>
</tbody>
</table>

Screw Nut Wrench

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
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</thead>
<tbody>
<tr>
<td>7-490</td>
<td>Wire Strainer for Kirschner Extension Bow</td>
</tr>
<tr>
<td>7-492</td>
<td>14 x 17 mm</td>
</tr>
</tbody>
</table>
Wire Extension

<table>
<thead>
<tr>
<th>Code</th>
<th>Inside Length</th>
<th>Inside Width</th>
</tr>
</thead>
<tbody>
<tr>
<td>7-496</td>
<td>90 mm</td>
<td>75 mm</td>
</tr>
<tr>
<td>7-498</td>
<td>160 mm</td>
<td>90 mm</td>
</tr>
<tr>
<td>7-500</td>
<td>210 mm</td>
<td>110 mm</td>
</tr>
<tr>
<td>7-502</td>
<td>210 mm</td>
<td>150 mm</td>
</tr>
</tbody>
</table>

**7-520** Hexagonal Wrench for Tibia Bolt

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>7-524</td>
<td>Tibia Bolt ø 2.4 mm, 180 mm length</td>
</tr>
<tr>
<td>7-526</td>
<td>Tibia Bolt ø 3.2 mm, 180 mm length</td>
</tr>
</tbody>
</table>

**7-530** Charnley-Mueller Compression Clamp