7

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

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>T 700</td>
<td>Wire Instrument Set</td>
<td></td>
</tr>
<tr>
<td>T 111</td>
<td>Aluminium Case</td>
<td></td>
</tr>
<tr>
<td>T 112</td>
<td>Upper Tray</td>
<td></td>
</tr>
<tr>
<td>T 112</td>
<td>Lower Tray</td>
<td></td>
</tr>
</tbody>
</table>

**Instruments**

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Quantity</th>
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<tbody>
<tr>
<td>T 700</td>
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<tr>
<td>T 111</td>
<td>Aluminium Case</td>
<td></td>
</tr>
<tr>
<td>T 112</td>
<td>Upper Tray</td>
<td></td>
</tr>
<tr>
<td>T 112</td>
<td>Lower Tray</td>
<td></td>
</tr>
</tbody>
</table>

**Tray (lower)**

<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>7-418</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>

**Tray (upper)**

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Quantity</th>
</tr>
</thead>
<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>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>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>
</thead>
<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

<table>
<thead>
<tr>
<th></th>
<th>Diameter</th>
<th>Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>7-020</td>
<td>0.8 mm</td>
<td>280 mm</td>
</tr>
<tr>
<td>7-022</td>
<td>1.0 mm</td>
<td>280 mm</td>
</tr>
<tr>
<td>7-023</td>
<td>1.2 mm</td>
<td>280 mm</td>
</tr>
<tr>
<td>7-024</td>
<td>1.0 mm</td>
<td>600 mm</td>
</tr>
<tr>
<td>7-025</td>
<td>1.2 mm</td>
<td>600 mm</td>
</tr>
</tbody>
</table>

### Parham Martin Band Tightener

### 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
7.4

TREU - INSTRUMENTE

7-370 Loute 22 cm Bone Wire Tightener

7-372 Demel 28 cm Bone Wire Tightener

7-375 Wire Guide 45 mm

7-377 Wire Guide 70 mm

7-378 Wire Tightener
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>
<th>Wire Ø 3.0 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>
<td></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>
<td></td>
</tr>
</tbody>
</table>

Kirschner Wires

<table>
<thead>
<tr>
<th>Point</th>
<th>Trocar</th>
<th>Trocar</th>
<th>Trocar</th>
</tr>
</thead>
<tbody>
<tr>
<td>Shaft End</td>
<td>round</td>
<td>round</td>
<td>round</td>
</tr>
<tr>
<td>Length</td>
<td>310 mm</td>
<td>310 mm</td>
<td></td>
</tr>
<tr>
<td>Ø 1.0 mm</td>
<td>7-120</td>
<td>7-140</td>
<td></td>
</tr>
<tr>
<td>Ø 1.2 mm</td>
<td>7-121</td>
<td>7-141</td>
<td></td>
</tr>
<tr>
<td>Ø 1.4 mm</td>
<td>7-122</td>
<td>7-142</td>
<td></td>
</tr>
<tr>
<td>Ø 1.5 mm</td>
<td>7-123</td>
<td>7-143</td>
<td></td>
</tr>
<tr>
<td>Ø 1.6 mm</td>
<td>7-124</td>
<td>7-144</td>
<td></td>
</tr>
<tr>
<td>Ø 1.8 mm</td>
<td>7-126</td>
<td>7-145</td>
<td></td>
</tr>
<tr>
<td>Ø 2.0 mm</td>
<td>7-127</td>
<td>7-146</td>
<td></td>
</tr>
<tr>
<td>Ø 2.2 mm</td>
<td>7-128</td>
<td>7-147</td>
<td></td>
</tr>
<tr>
<td>Ø 2.5 mm</td>
<td>7-129</td>
<td>7-148</td>
<td></td>
</tr>
<tr>
<td>Ø 3.0 mm</td>
<td>7-130</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Metall Rack for Kirschner Wires

For storage and sterilization of Kirschner Wires only Dispenser

for 8 different sizes 310 mm  **7-840**  0,8 - 1,0 mm - 1,2 mm - 1,4 mm - 1,5 mm - 1,6 mm - 1,8 mm - 2,0 mm

for 8 different sizes 150 mm  **7-842**  0,8 - 1,0 mm - 1,2 mm - 1,4 mm - 1,5 mm - 1,6 mm - 1,8 mm - 2,0 mm

**7-895**  Basket for Dispensers for K-wires

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

empty · nicht gefüllt

**7-896**  Basket for Dispensers for K-wires complete

7-850 - 7-884 (20 pieces)

7-434 Wire Cutter (1 piece)

7-350 Bending Iron (1 piece)
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>

7-350 Bending Iron for K-Wire ø 0.8 bis 1.25 mm

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.
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.

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

Tungsten carbide inserts with one grooved jaw. Grips small pins securely

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
to 90° angle
12.0 cm

Bends mini plates and k-wire up to (1.1 mm) to 90° angle

7-366 K-Wire and Plate Bender
max. (1.6) mm
to (1.6 mm) to 90° angle
14.0 cm

Bends k-wire up to (1.6 mm) to 90° angle
**PLIERS**

7-371  2 mm jaw  
2” maximum opening  
20,0 cm

- 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

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

7-404 Extraction Pliers, 190 mm TC

7-406 Extraction Pliers, 200 mm TC
Needle Nosed Locking Pliers

- 7-407 30,0 cm
- 7-408 25,0 cm
- 7-409 22,0 cm
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
Pin Cutter / Side cutter
max. 4 mm
38,0 cm

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

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

Double Action Pin Cutter
cuts plates and wires max. 3,2 mm
24,0 cm
Wire Extension

Kirschner, American type
Size                        | Max. Jaw Opening  |
---                         |------------------|
7-460 Medium               | 130 mm           |
7-462 Large                | 185 mm           |
7-464 Extra Large          | 220 mm           |

Kirschner
7-468 40 x 140 mm
7-470 60 x 220 mm

Wire Strainer for Kirschner Extension Bow
7-490

Kirschner
7-472 20.0 cm x 15.5 cm
7-474 15.5 cm x 15.5 cm
7-476 13.5 cm x 13.0 cm
7-478 12.0 cm x 12.0 cm
7-480 10.5 cm x 10.0 cm
7-482 9.5 cm x 11.0 cm
7-484 9.5 cm x 7.0 cm

Screw Nut Wrench
7-492 14 x 17 mm
Wire Extension

- **7-496**: 90 mm Inside Length, 75 mm Inside Width
- **7-498**: 160 mm Inside Length, 90 mm Inside Width
- **7-500**: 210 mm Inside Length, 110 mm Inside Width
- **7-502**: 210 mm Inside Length, 150 mm Inside Width

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

- **7-524**: Tibia Bolt ø 2.4 mm, 180 mm length
- **7-526**: Tibia Bolt ø 3.2 mm, 180 mm length

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