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>
</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>

**Instruments (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>

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**Contact Information**

handke medizintechnik GmbH  
Gottlieb-Daimler-Straße 11  
D-30974 Wennigsen  
Phone +49 - 5103 - 70442 - 0  
Fax +49 - 5103 - 70442 - 11  
E-mail: info@handke-medizintechnik.de
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>Diameter</th>
<th>Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>7-020</td>
<td>0.8 mm</td>
</tr>
<tr>
<td>7-022</td>
<td>1.0 mm</td>
</tr>
<tr>
<td>7-023</td>
<td>1.2 mm</td>
</tr>
<tr>
<td>7-024</td>
<td>1.0 mm</td>
</tr>
<tr>
<td>7-025</td>
<td>1.2 mm</td>
</tr>
</tbody>
</table>

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 unmanted movement of dispenser
- Diameter is marked for easy identification
- Full Perforation allows for proper sterilization

<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 1,6 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>
</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>
</tr>
</tbody>
</table>

Kirschner Wires

<table>
<thead>
<tr>
<th>Point</th>
<th>Trocar</th>
<th>Trocar</th>
</tr>
</thead>
<tbody>
<tr>
<td>Shaft End</td>
<td>round</td>
<td>Trocar</td>
</tr>
<tr>
<td>Length</td>
<td>310 mm</td>
<td>310 mm</td>
</tr>
<tr>
<td>ø 1.0 mm</td>
<td>7-120</td>
<td>7-140</td>
</tr>
<tr>
<td>ø 1.2 mm</td>
<td>7-121</td>
<td>7-141</td>
</tr>
<tr>
<td>ø 1.4 mm</td>
<td>7-122</td>
<td>7-142</td>
</tr>
<tr>
<td>ø 1.5 mm</td>
<td>7-123</td>
<td>7-143</td>
</tr>
<tr>
<td>ø 1.6 mm</td>
<td>7-124</td>
<td>7-144</td>
</tr>
<tr>
<td>ø 1.8 mm</td>
<td>7-126</td>
<td>7-145</td>
</tr>
<tr>
<td>ø 2.0 mm</td>
<td>7-127</td>
<td>7-146</td>
</tr>
<tr>
<td>ø 2.2 mm</td>
<td>7-128</td>
<td>7-147</td>
</tr>
<tr>
<td>ø 2.5 mm</td>
<td>7-129</td>
<td>7-148</td>
</tr>
<tr>
<td>ø 3.0 mm</td>
<td>7-130</td>
<td>7-149</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>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>
</tr>
<tr>
<td>7-312</td>
<td>1.6 mm</td>
<td>150 mm</td>
</tr>
<tr>
<td>7-314</td>
<td>2.0 mm</td>
<td>150 mm</td>
</tr>
<tr>
<td>7-316</td>
<td>2.0 mm</td>
<td>200 mm</td>
</tr>
<tr>
<td>7-318</td>
<td>2.5 mm</td>
<td>200 mm</td>
</tr>
<tr>
<td>7-320</td>
<td>2.5 mm</td>
<td>230 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
**7-890**  
Vickers Easidriver  
- Single handed operation  
- Chuckless  
- Depthscale  
- Wire bending facility  
- No maintenance  
- No set-up  
- Autoclavable

**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.

**7-897**  
k-Wire Introducer, for 1.5 and 2.0 mm Wires
7-540 Larsen Pin Dia. 1.6 mm x Length 60 mm
7-541 Larsen Pin Dia. 1.6 mm x Length 80 mm
7-542 Larsen Pin Dia. 1.6 mm x Length 100 mm
7-543 Larsen Pin Dia. 1.6 mm x Length 120 mm

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.
**Pliers**

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
- 12.0 cm

**7-366** K-Wire and Plate Bender
- Max. (1.6) mm
- 14.0 cm
PLIERS

- 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

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

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
Diamond Pin Cutter

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

Kirschner, American type

<table>
<thead>
<tr>
<th>Size</th>
<th>Max. Jaw Opening</th>
</tr>
</thead>
<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>
</tr>
</tbody>
</table>

Kirschner

<table>
<thead>
<tr>
<th>Size</th>
<th>Dimensions</th>
</tr>
</thead>
<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

<table>
<thead>
<tr>
<th>Size</th>
<th>Dimensions</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

<table>
<thead>
<tr>
<th>Size</th>
<th>Dimensions</th>
</tr>
</thead>
<tbody>
<tr>
<td>7-490</td>
<td>14 x 17 mm</td>
</tr>
<tr>
<td>7-492</td>
<td>14 x 17 mm</td>
</tr>
</tbody>
</table>
Wire Extension

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

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