

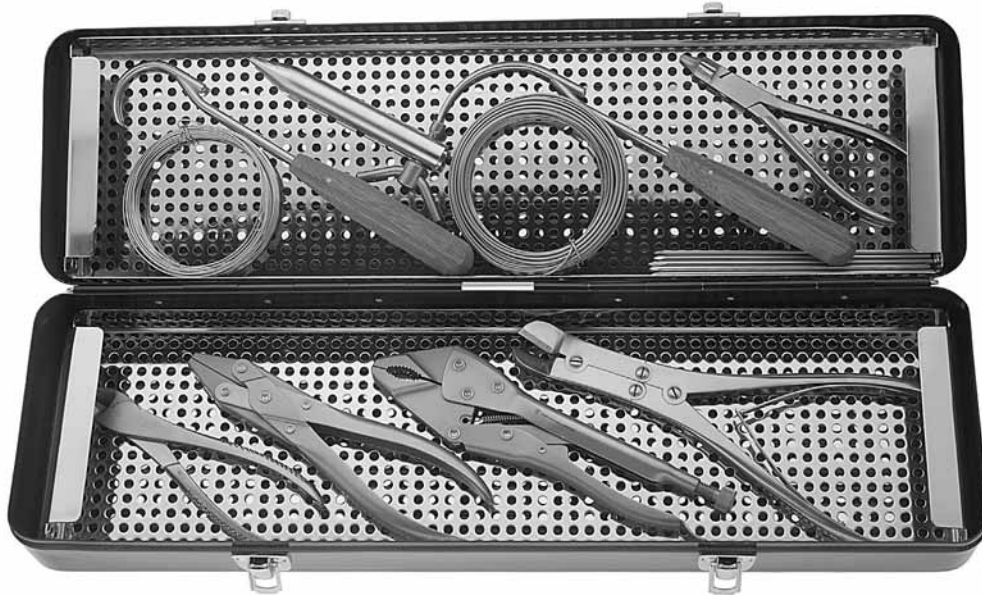


Wire Instruments, Kirschner Wires, Extension Bows



TREU = INSTRUMENTE

Wire Instrument Set



T 700	Wire Instrument Set	
T 111	Aluminium Case	
T 112	Upper Tray	
T 112	Lower Tray	
	Instruments	
	Tray (lower)	
7-416	Forceps for holding cerclage wire	2 units
7-418	Wire Bending-Cutting Pliers	
7-402	Flat-Nosed Parallel Pliers	
7-398	Vise Grip	
7-414	Wire Cutter, small	
7-434	Wire Cutter, large	
	Instruments	
	Tray (upper)	
7-375	Wire Guide 45 mm	
7-377	Wire Guide 70 mm	
7-378	Wire Tightener	
7-022	Cerclage Wires with eye, 1.0 mm \varnothing , 280 mm long	10 units
7-023	Cerclage Wires with eye, 1.2 mm \varnothing , 280 mm long	20 units
7-010	Wire Coil, 1.0 mm \varnothing , length 10 metres	1 units
7-012	Wire Coil, 1.2 mm \varnothing , length 10 metres	1 units
7-252-	1.0 / 1.2 / 2.0 / 2.5 / 3.0 mm \varnothing , 10 each Kirschner	50 units
7-270		
7-260	1.6 mm \varnothing	20 units



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Cerclage Wire soft,
in coils of 10 m

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



Cerclage Wires
with eye, soft

	Diameter	Length
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



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7-031
Wire Tightner
260 mm



7-033
Long Forceps for
Twisting Wire
230 mm



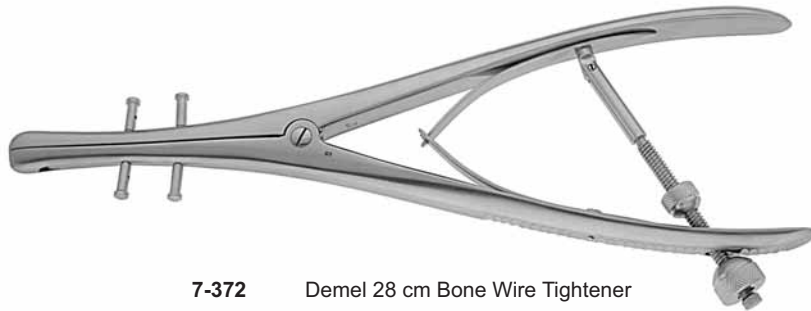
7-034
Plier Cum Wire Bender
155 mm



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



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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

easy to transport and storage



Wire Length	Wire ø 0,8 mm	Wire ø 1,0 mm	Wire ø 1,2 mm	Wire ø 1,4 mm	Wire ø 1,5 mm	Wire ø 1,6 mm	Wire ø 1,8 mm	Wire ø 2,0 mm	Wire ø 2,2 mm	Wire ø 2,5 mm
16,0 cm	7-850	7-852	7-854	7-856	7-857	7-858	7-859	7-860	7-862	7-864
31,0cm	7-870	7-872	7-874	7-876	7-877	7-878	7-879	7-880	7-882	7-884

Kirschner Wires



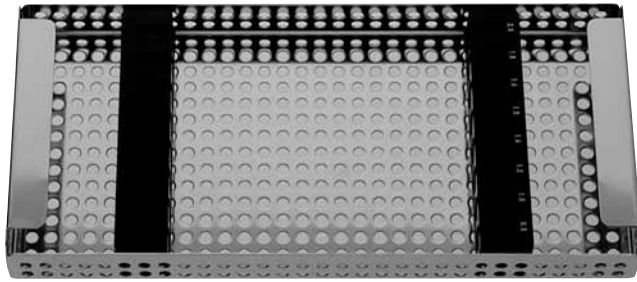
Point	Trocar	Trocar
Shaft End	round	Trocar
Length	310 mm	310 mm
ø 1.0 mm	7-120	7-140
ø 1.2 mm	7-121	7-141
ø 1.4 mm	7-122	7-142
ø 1.5 mm	7-123	7-143
ø 1.6 mm	7-124	7-144
ø 1.8 mm	7-126	7-145
ø 2.0 mm	7-127	7-146
ø 2.2 mm	7-128	7-147
ø 2.5 mm	7-129	7-148
ø 3.0 mm	7-130	

Point	Trocar	Trocar	Trocar
Shaft End	round	round	Trocar
Length	70 mm	150 mm	150 mm
ø 0.8 mm	7-200	7-250	7-280
ø 1.0 mm	7-201	7-252	7-282
ø 1.2 mm		7-254	7-284
ø 1.4 mm		7-256	7-286
ø 1.5 mm	7-208	7-258	7-288
ø 1.6 mm		7-260	7-290
ø 1.8 mm		7-262	7-292
ø 2.0 mm		7-264	7-294
ø 2.2 mm		7-266	7-296
ø 2.5 mm	7-210	7-268	7-298
ø 3.0 mm		7-270	



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Metall Rack for Kirschner Wires

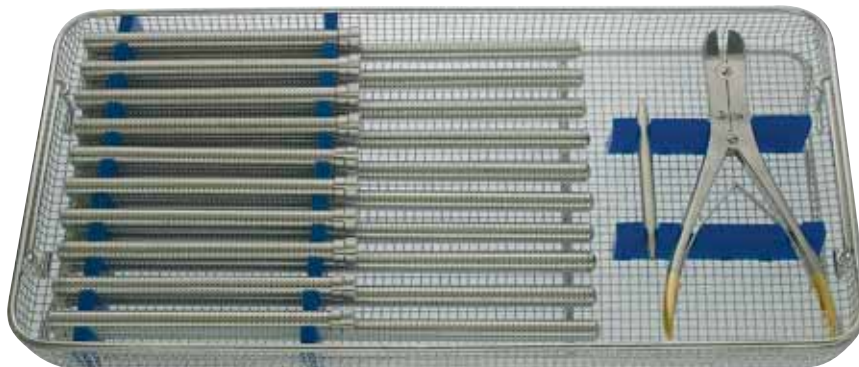


Metall Rack for Kirschner Wires

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)



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Kirschner Wires with thread and trocar points, round end

	Diameter	Length	Threaded Length
7-310	1.6 mm	150 mm	5 mm
7-312	1.6 mm	150 mm	15 mm
7-314	2.0 mm	150 mm	15 mm
7-316	2.0 mm	200 mm	15 mm
7-318	2.5 mm	200 mm	15 mm
7-320	2.5 mm	230 mm	20 mm



7-348 Bending Iron for K-Wire \varnothing 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

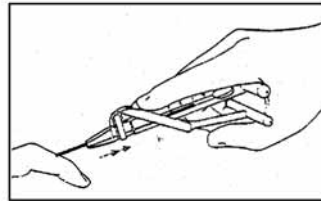
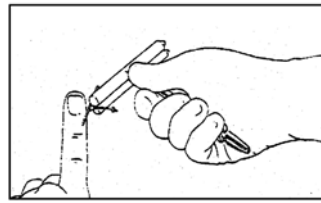
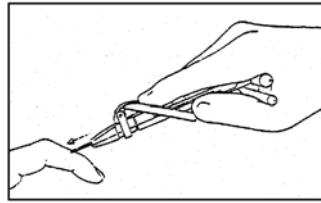


TREU = INSTRUMENTE



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



TREU = INSTRUMENTE



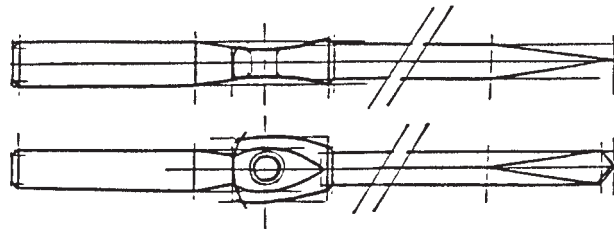
7-540	Larsen Pin Dia. 1.6 mm x Length 60 mm
7-541	Larsen Pin Dia. 1.6 mm x Length 80 mm
7-542	Larsen Pin Dia. 1.6 mm x Length 100 mm
7-543	Larsen Pin Dia. 1.6 mm x Length 120 mm

The Larsen Pin

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

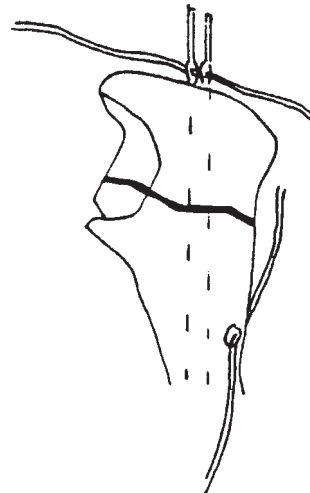
FEATURES

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.

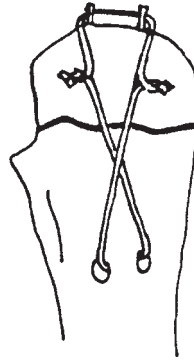




TREU = INSTRUMENTE

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.



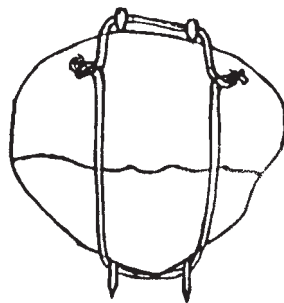
INDICATIONS

The operation technique when using the Larsen Pin is very simple, and in many ways similar to the routine used with conventional Kirschner 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 olecranon 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 olecranon 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.

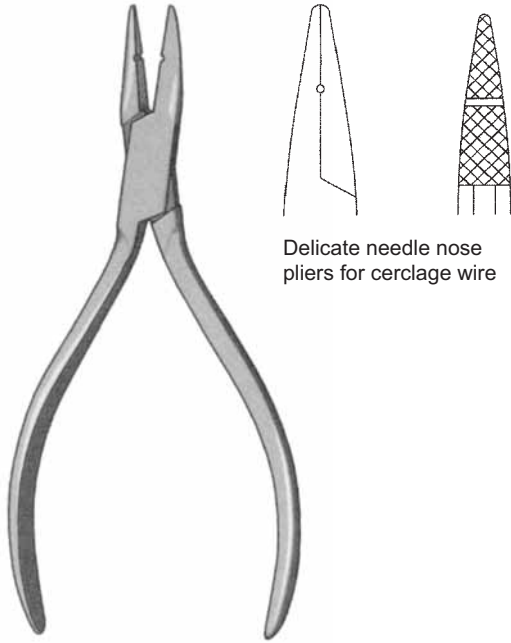
The pins are impacted until stopped by the pin heads. The importance of good impaction on the fracture side is emphasized. Further compression of the fracture is achieved by twisting the free ends of the cerclage wires, making sure that equal tension is reached on both sides. In cases of olecranon fractures, a figure-of-eight technique is recommended. The loop-ends are bent and placed properly, taking into account the risk of skin affection.





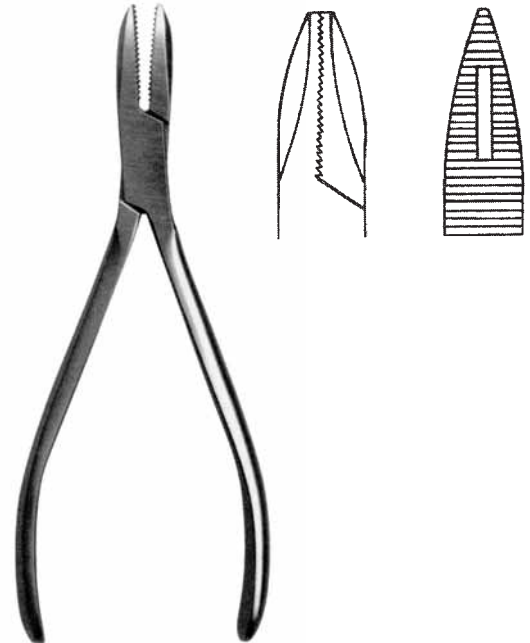
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PLIERS

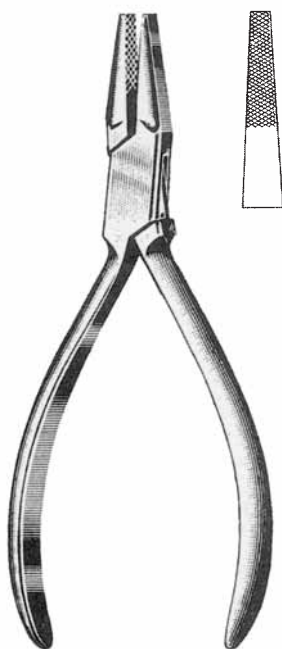


Delicate needle nose
pliers for cerclage wire

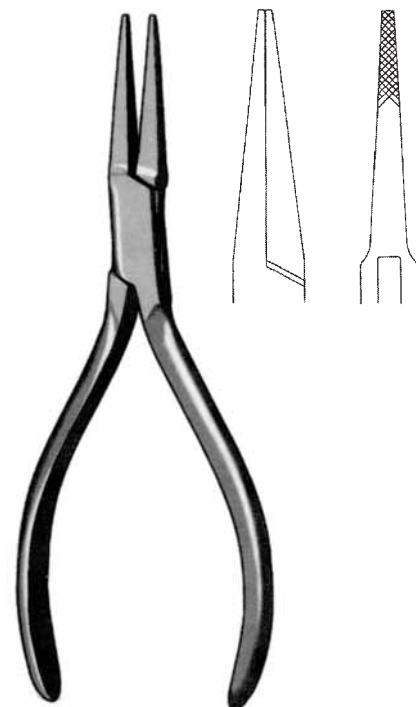
7-360 Needle Nose Pliers
delicate with wire guide
13,5 cm



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

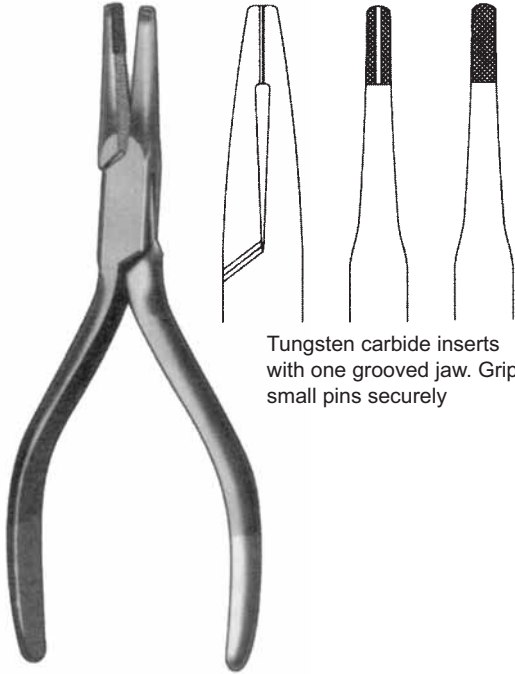


7-365 Needle Nose Pliers
delicate jaw tapers to 2 mm
for cerclage wire
15,0 cm



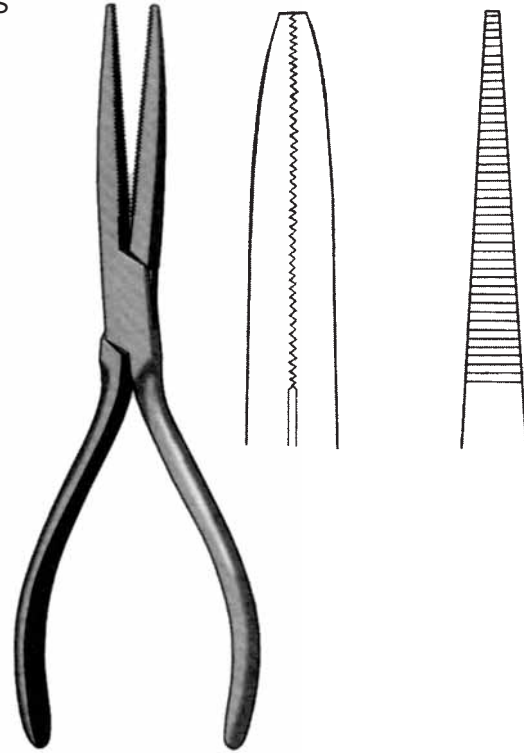
TREU = INSTRUMENTE

PLIERS

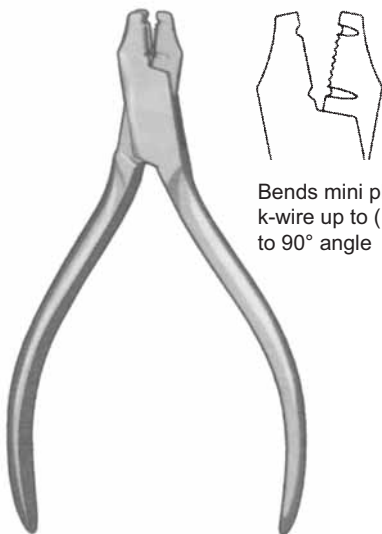


Tungsten carbide inserts
with one grooved jaw. Grips
small pins securely

7-367 Pin Puller
jaw tapers to 3 mm
tungsten carbide inserts
14,0 cm

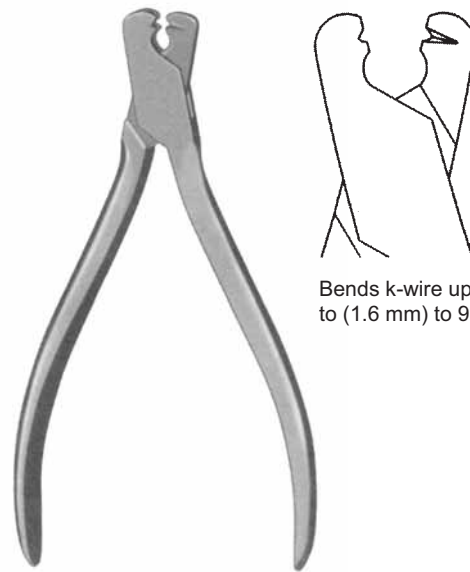


7-368 Needle Nose Pliers
2" long delicate jaw
tapers to 2 mm at tip
18,0 cm



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

7-369 K-Wire and Plate Bender
max. (1.1) mm
12,0 cm



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

7-366 K-Wire and Plate Bender
max. (1.6) mm
14,0 cm



TREU = INSTRUMENTE

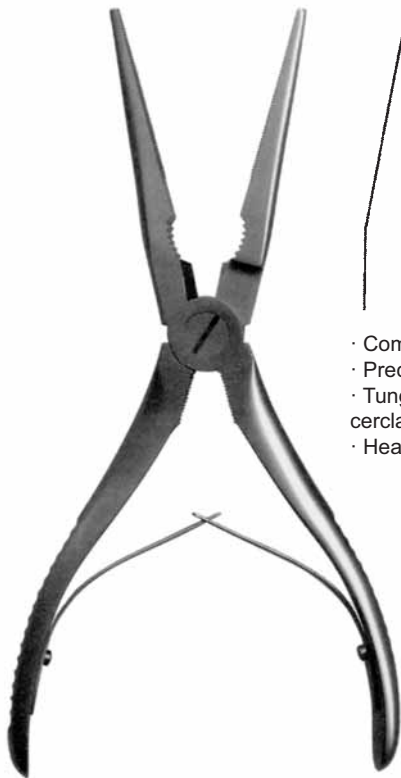
PLIERS



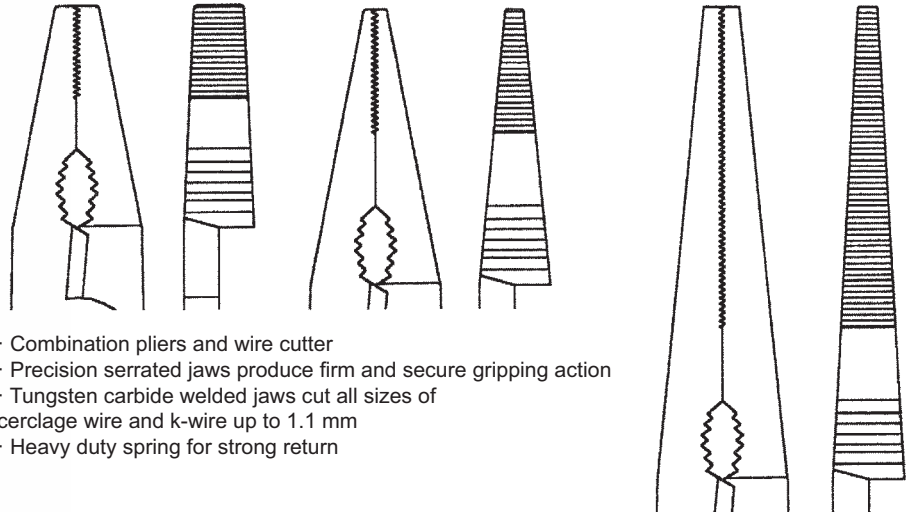
7-371 2 mm jaw
2" maximum opening
20,0 cm



All purpose pliers for wires,
pins, screws and rods



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



TREU = INSTRUMENTE



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



TREU - INSTRUMENTE

Extraction Instruments



7-404 Extraction Pliers, 190 mm TC



7-406 Extraction Pliers, 200 mm TC



TREU - INSTRUMENTE

Needle Nosed Locking Pliers



7-407 30,0 cm



7-408 25,0 cm



7-409 22,0 cm



TREU = INSTRUMENTE



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 Wire Bending Cutting
Pliers
soft wire 1.5 mm
hard wire 1.0 mm



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



TREU = INSTRUMENTE

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



TREU = INSTRUMENTE

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



TREU = INSTRUMENTE

Wire Cutters



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

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



7-450 575 mm
Hard wire 6.0 mm



TREU = INSTRUMENTE



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



TREU - INSTRUMENTE

Wire Extension



Kirscher, American type

	Size	Max. Jaw Opening
7-460	Medium	130 mm
7-462	Large	185 mm
7-464	Extra Large	220 mm



Kirscher

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



Kirscher

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



7-490 Wire Strainer for Kirscher Extension Bow

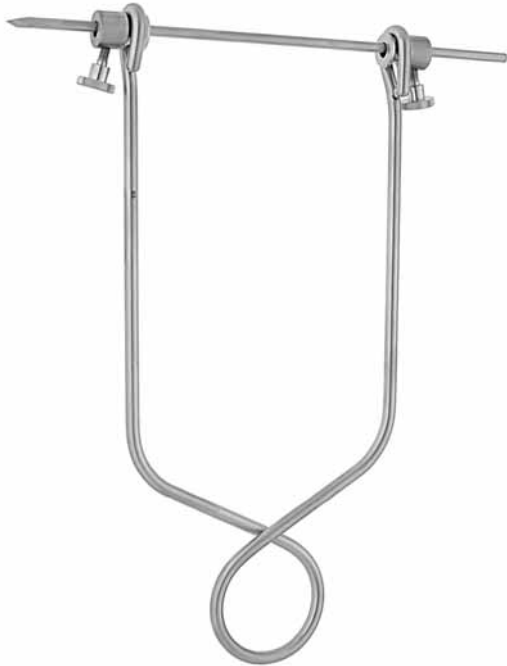


7-492 Screw Nut Wrench
14 x 17 mm



TREU = INSTRUMENTE

Wire Extension



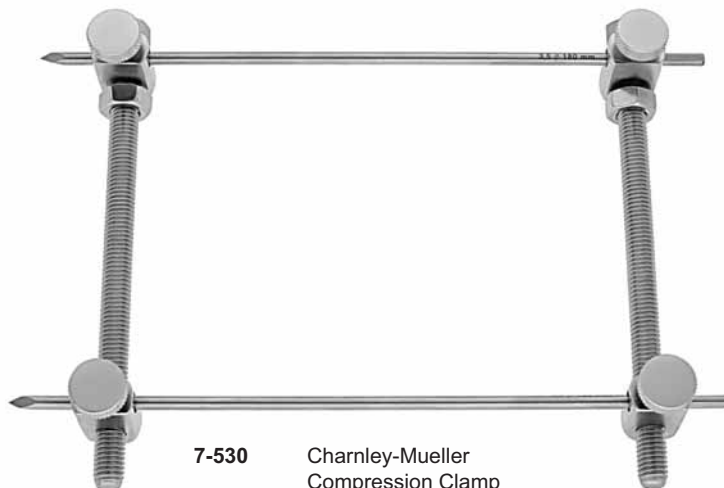
	Inside Length	Inside Width
7-496	90 mm	75 mm
7-498	160 mm	90 mm
7-500	210 mm	110 mm
7-502	210 mm	150 mm



7-520 Hexagonal Wrench for Tibia Bolt



7-524 Tibia Bolt \varnothing 2.4 mm, 180 mm length
7-526 Tibia Bolt \varnothing 3.2 mm, 180 mm length



7-530 Charnley-Mueller
Compression Clamp



TREU = INSTRUMENTE