



## KEY SURGICAL WIRE and PIN MANAGEMENT

Key Surgical's Wire and Pin Management line is designed to offer the highest quality and the broadest selection of products. We have the wires and pins to meet all of our clients needs – as well as the dispensers, covers, cutters and pliers to make sure the job is done precisely every time.

Key Surgical Wire Dispensers are available in several lengths and in single-chambered or multiple-chambered designs. Chamber dimension markings are clear and easy to read, and the dispensers are perforated for proper sterilization. Our K-Wire Ruler and Pin Gauge is a practical tool to measure inches, millimeters and 16 sizes of wires and pins.

Key Surgical K-Wires and Steinmann Pins are available in various diameters and lengths. Our high quality wires and pins are made from certified implantable stainless steel and are precision ground in Germany, with ends that are finished to an exact point.

Key Surgical K-Wire and Steinmann Pin Covers are now offered in an expanded selection of sizes. Thanks to more precise sizing, our covers stay put. And with two covers to a package and twelve packages to a box, customers can order quantities that are economical and fit individual or particular needs.

Key Surgical Wire and Pin Cutters, German Stainless Steel Pliers, Needle Nose Pliers and Slip Joint Pliers are available in a full range of sizes and tip configurations. We offer German stainless steel instruments as well as high-quality stainless steel instruments, and our entire line is designed to handle the most precise procedures.

Wire Dispensers

K-Wire Ruler and Pin Gauge

K-Wires and Steinmann Pins

K-Wire and Steinmann Pin Covers

German Wire and Pin Cutters

German Stainless Steel Pliers

Needle Nose Pliers and Slip Joint Pliers



## K-WIRES – DOUBLE TROCAR

Available in various diameters and lengths. All 1.6mm K-wires can be threaded. Made from certified implantable stainless steel and precision ground in Germany. Trocar ends taper to an exact point. 6 wires per tube, one tube per package.

Number	Length	Diameter inches	Diameter mm
KI-71-100	4"	.028"	0.7mm
KI-71-101	4"	.035"	0.9mm
KI-71-102	4"	.045"	1.1mm
KI-71-104	4"	.054"	1.4mm
KI-71-103	4"	.062"	1.6mm
KI-71-105	5"	.028"	0.7mm
KI-71-106	5"	.035"	0.9mm
KI-71-107	5"	.045"	1.1mm
KI-71-108	5"	.054"	1.4mm
KI-71-109	5"	.062"	1.6mm
KI-71-021	6"	.028"	0.7mm
KI-71-022	6"	.035"	0.9mm
KI-71-023	6"	.045"	1.1mm
KI-71-024	6"	.054"	1.4mm
KI-71-025	6"	.062"	1.6mm
KI-71-111	9"	.035"	0.9mm
KI-71-112	9"	.045"	1.1mm
KI-71-114	9"	.054"	1.4mm
KI-71-113	9"	.062"	1.6mm
KI-71-121	12"	.035"	0.9mm
KI-71-122	12"	.045"	1.1mm
KI-71-124	12"	.054"	1.4mm
KI-71-123	12"	.062"	1.6mm



## K-WIRES – SINGLE TROCAR with ROUND END

Available in various diameters and lengths. All 1.6mm K-wires can be threaded. Made from certified implantable stainless steel and precision ground in Germany. Trocar ends taper to an exact point. 6 wires per tube, one tube per package.

Number	Length	Diameter inches	Diameter mm
KI-71-130	4"	.028"	0.7mm
KI-71-131	4"	.035"	0.9mm
KI-71-132	4"	.045"	1.1mm
KI-71-133	4"	.054"	1.4mm
KI-71-134	4"	.062"	1.6mm
KI-71-170	5"	.028"	0.7mm
KI-71-171	5"	.035"	0.9mm
KI-71-172	5"	.045"	1.1mm
KI-71-174	5"	.054"	1.4mm
KI-71-175	5"	.062"	1.6mm
KI-71-176	6"	.028"	0.7mm
KI-71-177	6"	.035"	0.9mm
KI-71-182	6"	.045"	1.1mm
KI-71-184	6"	.054"	1.4mm
KI-71-185	6"	.062"	1.6mm
KI-71-151	9"	.035"	0.9mm
KI-71-152	9"	.045"	1.1mm
KI-71-154	9"	.054"	1.4mm
KI-71-153	9"	.062"	1.6mm
KI-71-161	12"	.035"	0.9mm
KI-71-162	12"	.045"	1.1mm
KI-71-164	12"	.054"	1.4mm
KI-71-163	12"	.062"	1.6mm



## Wire and Pin Management – K-Wires and Steinmann Pins

### K-WIRES – DOUBLE DIAMOND

Available in various diameters and lengths. All 1.6mm K-wires can be threaded. Made from certified implantable stainless steel and precision ground in Germany. Diamond ends taper to an exact point. 6 wires per tube, one tube per package.

Number	Length	Diameter inches	Diameter mm
KI-71-200	4"	.028"	0.7mm
KI-71-201	4"	.035"	0.9mm
KI-71-202	4"	.045"	1.1mm
KI-71-203	4"	.054"	1.4mm
KI-71-204	4"	.062"	1.6mm
KI-71-205	5"	.028"	0.7mm
KI-71-206	5"	.035"	0.9mm
KI-71-207	5"	.045"	1.1mm
KI-71-208	5"	.054"	1.4mm
KI-71-209	5"	.062"	1.6mm
KI-71-030	6"	.028"	0.7mm
KI-71-031	6"	.035"	0.9mm
KI-71-032	6"	.045"	1.1mm
KI-71-034	6"	.054"	1.4mm
KI-71-033	6"	.062"	1.6mm
KI-71-211	9"	.035"	0.9mm
KI-71-212	9"	.045"	1.1mm
KI-71-214	9"	.054"	1.4mm
KI-71-213	9"	.062"	1.6mm



### STEINMANN PINS – SMOOTH

Available in 9" length with various diameters. Made from certified implantable stainless steel and precision ground in Germany. Trocar ends taper to an exact point. 6 wires per tube, one tube per package.

A Double Trocar			B Single Trocar with Round End		
Number	Diameter inches	Diameter mm	Number	Diameter inches	Diameter mm
KI-71-450	.078"	2.0mm	KI-71-510	.078"	2.0mm
KI-71-453	.093"	2.4mm	KI-71-513	.093"	2.4mm
KI-71-456	.109"	2.8mm	KI-71-516	.109"	2.8mm
KI-71-459	.125"	3.2mm	KI-71-519	.125"	3.2mm
KI-71-462	.141"	3.5mm	KI-71-522	.141"	3.5mm
KI-71-465	.156"	4.0mm	KI-71-525	.156"	4.0mm
KI-71-468	.177"	4.5mm	KI-71-528	.177"	4.5mm

C Single Trocar with 3 Shank End		
Number	Diameter inches	Diameter mm
KI-71-480	.078"	2.0mm
KI-71-483	.093"	2.4mm
KI-71-486	.109"	2.8mm
KI-71-489	.125"	3.2mm
KI-71-492	.141"	3.5mm
KI-71-495	.156"	4.0mm
KI-71-498	.177"	4.5mm



## STEINMANN PINS – SMOOTH

Available in 9" length with various diameters. Made from certified implantable stainless steel and precision ground in Germany. Diamond ends taper to an exact point. 6 wires per tube, one tube per package.

### A Double Diamond

Number	Diameter inches	Diameter mm
KI-71-600	.078"	2.0mm
KI-71-603	.093"	2.4mm
KI-71-606	.109"	2.8mm
KI-71-609	.125"	3.2mm
KI-71-612	.141"	3.5mm
KI-71-615	.156"	4.0mm
KI-71-618	.177"	4.5mm

### B Single Diamond with Round End

Number	Diameter inches	Diameter mm
KI-71-660	.078"	2.0mm
KI-71-663	.093"	2.4mm
KI-71-666	.109"	2.8mm
KI-71-669	.125"	3.2mm
KI-71-672	.141"	3.5mm
KI-71-675	.156"	4.0mm
KI-71-678	.177"	4.5mm

### C Single Diamond with 3 Shank End

Number	Diameter inches	Diameter mm
KI-71-630	.078"	2.0mm
KI-71-633	.093"	2.4mm
KI-71-636	.109"	2.8mm
KI-71-639	.125"	3.2mm
KI-71-642	.141"	3.5mm
KI-71-645	.156"	4.0mm
KI-71-648	.177"	4.5mm



## STEINMANN PINS – THREADED

Available in 9" length with various diameters. Made from certified implantable stainless steel and precision ground in Germany. Trocar and diamond ends taper to an exact point. 6 wires per tube, one tube per package.

### A Double Trocar

Number	Diameter inches	Diameter mm
KI-71-750	.078"	2.0mm
KI-71-753	.093"	2.4mm
KI-71-756	.109"	2.8mm
KI-71-759	.125"	3.2mm
KI-71-762	.141"	3.5mm
KI-71-765	.156"	4.0mm
KI-71-768	.177"	4.5mm

### B Single Trocar with Round End

Number	Diameter inches	Diameter mm
KI-71-770	.078"	2.0mm
KI-71-773	.093"	2.4mm
KI-71-776	.109"	2.8mm
KI-71-779	.125"	3.2mm
KI-71-782	.141"	3.5mm
KI-71-785	.156"	4.0mm
KI-71-788	.177"	4.5mm

### C Double Diamond

Number	Diameter inches	Diameter mm
KI-71-730	.078"	2.0mm
KI-71-733	.093"	2.4mm
KI-71-736	.109"	2.8mm
KI-71-739	.125"	3.2mm
KI-71-742	.141"	3.5mm
KI-71-745	.156"	4.0mm
KI-71-748	.177"	4.5mm

### D Single Diamond with Round End

Number	Diameter inches	Diameter mm
KI-71-700	.078"	2.0mm
KI-71-703	.093"	2.4mm
KI-71-706	.109"	2.8mm
KI-71-709	.125"	3.2mm
KI-71-712	.141"	3.5mm
KI-71-715	.156"	4.0mm
KI-71-718	.177"	4.5mm



# Wire and Pin Management – K-Wire Dispensers and K-Wire Ruler & Pin Gauge



PRODUCTS SHOWN 50% ACTUAL SIZE

### SINGLE-CHAMBERED K-WIRE DISPENSERS

Conveniently dispense and sterilize one size of K-Wire. Dispenses one wire at a time. Perforated for proper sterilization. Clearly marked with diameter for quick identification. Available in two lengths: 6.25" and 12.25".

Number	Length	Diameter	Diameter	Quantity Held
<b>A</b> KI-71-001	up to 6"	.028"	0.7mm	100
<b>B</b> KI-71-002	up to 6"	.035"	0.9mm	50
<b>C</b> KI-71-003	up to 6"	.045"	1.1mm	40
<b>D</b> KI-71-004	up to 6"	.054"	1.4mm	25
<b>E</b> KI-71-006	up to 6"	.062"	1.6mm	20
<b>F</b> KI-71-012	up to 12"	.035"	0.9mm	50
<b>G</b> KI-71-013	up to 12"	.045"	1.1mm	40
<b>H</b> KI-71-014	up to 12"	.054"	1.4mm	25
<b>I</b> KI-71-016	up to 12"	.062"	1.6mm	20
<b>J</b> KI-71-017	up to 12"	.078125"	2.0mm	10
<b>K</b> KI-71-019	up to 12"	.09375"	2.4mm	5

### MULTI-CHAMBERED GERMAN K-WIRE DISPENSERS

Store, sterilize and dispense four different sizes of K-Wires. Dial on bottom allows for easy dispensing of one size at a time. Chambers are clearly marked for easy identification. German stainless steel for highest quality. Chamber details include inches and millimeter diameters and quantity of wires held.

Number	Length	Chamber One		Chamber Two		Chamber Three		Chamber Four	
		Diameter	Quantity	Diameter	Quantity	Diameter	Quantity	Diameter	Quantity
<b>L</b> KI-46-542	4"	.035"/0.9mm	30	.045"/1.1mm	24	.054"/1.4mm	24	.062"/1.6mm	12
<b>M</b> KI-46-541	6"	.035"/0.9mm	30	.045"/1.1mm	24	.054"/1.4mm	24	.062"/1.6mm	12
<b>N</b> KI-46-538	12"	.035"/.9mm	30	.045"/1.1mm	24	.054"/1.4mm	24	.062"/1.6mm	12
<b>O</b> KI-46-539	12"	.070"/1.8mm	18	.078"/2.0mm	12	.086"/2.2mm	12	.093"/2.4mm	6

### MULTI-CHAMBERED O.R.-QUALITY K-WIRE DISPENSERS

Store, sterilize and dispense four different sizes of K-Wires. Dial on bottom allows for easy dispensing of one size at a time. Chambers are clearly marked for easy identification. Economically priced. Chamber details include inches and mm diameters and quantity of wires held.

Number	Length	Chamber One		Chamber Two		Chamber Three		Chamber Four	
		Diameter	Quantity	Diameter	Quantity	Diameter	Quantity	Diameter	Quantity
<b>P</b> KE-1210	4"	.035"/0.9mm	30	.045"/1.1mm	24	.054"/1.4mm	24	.062"/1.6mm	12
<b>Q</b> KE-1220	12"	.035"/0.9mm	30	.045"/1.1mm	24	.054"/1.4mm	24	.062"/1.6mm	12

### K-WIRE RULER AND PIN GAUGE

Practical tool to measure inches, millimeters and 16 sizes of wires and pins. Made from 420-series stainless steel with .025" thickness for durability. One per package.

Number	Details
<b>R</b> KI-39-710	6" ruler



## Wire and Pin Management – K-Wire and Steinmann Pin Covers



### K-WIRE AND STEINMANN PIN COVERS

Post-surgical covers and sheaths for protruding pins or wires. Available in twelve different sizes.

Sold sterile or non-sterile. NS designates non-sterile.

2 covers with sheaths per sterile package. 12 packages per box.

50 covers with sheaths per non-sterile package.

Number	Size inches	Size mm	Color	Quantity
<b>A</b> C-028	.028"	0.7	yellow	12 packages of 2
C-028NS	.028"	0.7	yellow	50 per package
<b>B</b> C-035	.035"	0.9	blue	12 packages of 2
C-035NS	.035"	0.9	blue	50 per package
<b>C</b> C-045	.045"	1.1	white	12 packages of 2
C-045NS	.045"	1.1	white	50 per package
<b>D</b> C-054	.054"	1.4	red	12 packages of 2
C-054NS	.054"	1.4	red	50 per package
<b>E</b> C-062	.062"	1.6	green	12 packages of 2
C-062NS	.062"	1.6	green	50 per package
<b>F</b> C-078	.078"	2.0	pink	12 packages of 2
C-078NS	.078"	2.0	pink	50 per package
<b>G</b> C-093	.093"	2.4	gray	12 packages of 2
C-093NS	.093"	2.4	gray	50 per package
<b>H</b> C-109	.109"	2.8	tan	12 packages of 2
C-109NS	.109"	2.8	tan	50 per package
<b>I</b> C-125	.125"	3.2	lavender	12 packages of 2
C-125NS	.125"	3.2	lavender	50 per package
<b>J</b> C-141	.141"	3.5	brown	12 packages of 2
C-141NS	.141"	3.5	brown	50 per package
<b>K</b> C-156	.156"	4.0	navy	12 packages of 2
C-156NS	.156"	4.0	navy	50 per package
<b>L</b> C-188	.188"	4.5	orange	12 packages of 2
C-188NS	.188"	4.5	orange	50 per package

PRODUCTS LARGER THAN ACTUAL SIZE. USE CHART FOR CORRECT SIZING.

## Wire and Pin Management – German Wire and Pin Cutters



### GERMAN WIRE AND PIN CUTTERS

Expertly cuts everything from delicate cerclage wire to 1/4" pins. German stainless steel for highest quality.

Number	Description	Overall Length	Details
<b>A</b> KI-46-622	delicate wire cutter	4.75"	side cutting with tungsten carbide inserts
<b>B</b> KI-49-734	K-wire side cutter	6"	side cutting with tungsten carbide inserts
<b>C</b> KI-46-621	side cutter	7"	side cutting with tungsten carbide inserts
<b>D</b> KI-46-623	double action wire cutter	7"	angled side cutting with tungsten carbide inserts
<b>E</b> KI-46-625	front and side wire cutter	7"	front and side cutting with tungsten carbide inserts
<b>F</b> KI-46-631	flush wire and cable cutter	7"	front and side cutting with tungsten carbide inserts
<b>G</b> KI-46-647	cannulated pin cutter	7.5"	end cutting
<b>H</b> KI-46-651	diamond pin cutter	6.5"	end cutting, leaves flat-cut pins
<b>I</b> KI-46-624	double action wire cutter	8.5"	angled side cutting with tungsten carbide inserts
<b>J</b> KI-49-736	side cutter	9"	side cutting with tungsten carbide inserts
<b>K</b> KI-46-626	large pin cutter	21"	side cutting

ADDITIONAL INSTRUMENTS AVAILABLE ON REQUEST

### EMPLOYEE FEATURE

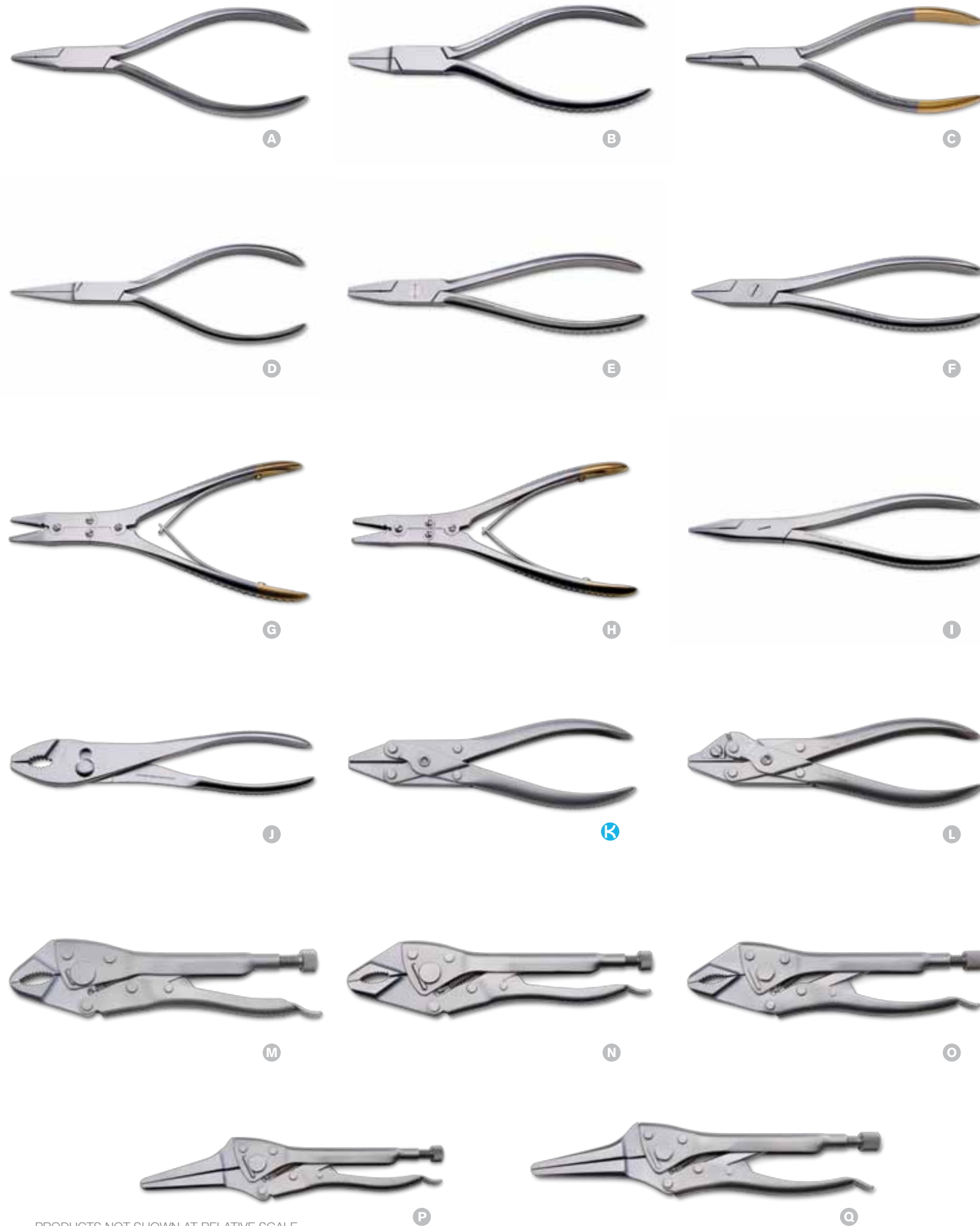
#### Dan Woodcock

Job Title: **Business Systems Manager**

AKA: **The Software Geek**

What do you think the greatest invention of your lifetime is and why? **It's a tie between the internet and the Snuggie.** What is your favorite pasta shape? **Orzo.** What's your dream job? **Traveling wine taster and movie critic.** Do you have any secret talents? **I can juggle.** What's the most exotic food you've ever eaten? **Octopus.** What are more likely to exist, UFO's, ghosts, or Bigfoot? **The Loch Ness Monster.** If you could be any animal, what would it be and why? **A bird that flies south for the winter.** What is your favorite movie? **Crouching Tiger, Hidden Dragon.** What is your favorite TV show? **The Office.** What is your favorite section of the newspaper? **They still have newspapers?** What is your favorite place on earth? **48.626196, -122.455469.**

## Wire and Pin Management – German Stainless Steel Pliers



### GERMAN STAINLESS STEEL PLIERS

Bend, pull and remove pins with durable, finely finished pliers. German stainless steel for highest quality.

Number	Description	Overall Length	Details
<b>A</b> KI-48-242	needle nose pliers	5"	delicate
<b>B</b> KI-48-246	flat nose pliers	5.5"	broad 5mm tip
<b>C</b> KI-46-578	pin puller	5.5"	with groove, tungsten carbide
<b>D</b> KI-48-248	flat nose pliers	6"	delicate
<b>E</b> KI-48-254	flat nose pliers	7"	with K-wire and side groove
<b>F</b> KI-48-256	flat nose pliers	7"	cross-serrated surface
<b>G</b> KI-46-572	wire extraction pliers	7"	2mm delicate jaw, tungsten carbide
<b>H</b> KI-46-573	wire extraction pliers	7"	3mm delicate jaw, tungsten carbide
<b>I</b> KI-48-253	narrow nose pliers	7.5"	tapers to 3mm
<b>J</b> KI-48-262	slip joint pliers	8"	10mm tip
<b>K</b> KI-48-604	parallel pliers	7"	10mm tip
<b>L</b> KI-48-605	parallel pliers	7.25"	with cutter
<b>M</b> KI-48-600	small locking pliers	6.75"	tip width 7mm
<b>N</b> KI-48-602	medium locking pliers	8"	tip width 9mm
<b>O</b> KI-48-608	large locking pliers	10"	tip width 13mm
<b>P</b> KI-48-606	needle nose locking pliers	9.5"	jaw length 2.5", tip width 5mm
<b>Q</b> KI-48-610	large needle nose locking pliers	12"	jaw length 3", tip width 7mm

ADDITIONAL INSTRUMENTS AVAILABLE ON REQUEST

PRODUCTS NOT SHOWN AT RELATIVE SCALE

## Wire and Pin Management – Needle Nose and Slip Joint Pliers



A



B



C



D



E

### NEEDLE NOSE PLIERS

Available in tapered, prolong or wide jaw design, with smooth or serrated tips.

Number	Details	Overall Length
A KS-503	tapered jaw with smooth tip	5.5"
B KS-504	tapered jaw with serrated tip	5.5"
C KS-505	prolong jaw with smooth tip	6"
D KS-507	wide jaw with smooth tip	5.5"

### SLIP JOINT PLIERS

Available in three sizes.

Number	Description	Overall Length
E KS-500	small slip joint pliers	6"
KS-509	medium slip joint pliers	8"
KS-510	large slip joint pliers	10"

ADDITIONAL INSTRUMENTS AVAILABLE UPON REQUEST

### EMPLOYEE FEATURE

#### Sharon

Job Title: **Production Specialist**

AKA: **Been Here Since the Beginning**

What kinds of pets do you have, and what are their names? **1 dog, Sammie, and 3 cats, Mittens, Squeaky (Cuddles), and Bob.** Is there a comic strip you like to read regularly? **Peanuts.** Name three exotic countries you'd like to visit? **China, Holland and Australia.** What is your dream car? **Cadillac Escalade.** Do you have any phobias, and if so, what are they? **Heights and elevators.** If you had to eat one food for the rest of your life what would it be? **Lasagna.** What is your favorite TV show? **Law & Order.** What were you doing the last time you really had a good laugh? **Production room at Key Surgical!** Describe your dancing style? **Polka.** When you were a child what did you want to be when you grew up? **Nurse.**