

# SPIRE OPTICAL TOOLS CATALOG

High-Quality Optical Instruments for Industrial and Laboratory Applications

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*Manufacturers & Exporters of Precision Tools*

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<b>Start-up Date:</b>	1969
<b>Managing Director and Owners:</b>	Mr. Tahir Mushtaq Mir / Mr. Abdullah Mir
<b>Manufacturing:</b>	We specialise in the design and manufacture of high-quality optical instruments and tools, using <b>Top grade German stainless steel</b> . Our production combines in-house expertise with carefully selected outsourcing partners, ensuring precision and reliability. The partnership between Spire and <b>Z Bon Optical in Pakistan</b> allows us to serve both local and international markets with efficiency and consistency.
<b>Key Brands:</b>	Spire Optical Pliers & Tools cater to the needs of the industry. A key segment of our business is O.E.M / private label, supporting customers who wish to promote their own brands with total support and enthusiasm.
<b>Distribution and Exports:</b>	Spire Professional Tools and Instruments are sold exclusively to wholesalers and distributors. Currently exporting to France, United Kingdom, Germany, Netherlands, Denmark, Italy, Switzerland, Spain, United States, Canada, South America, Korea, Hong Kong, UAE, Saudi Arabia, Morocco, Russia, and Fiji.
<b>Warranty Program:</b>	Due to strict procedures and rigorous quality control, we confidently offer all our customers a <b>LIFE-TIME WARRANTY</b> on all our instruments.
<b>Terms:</b>	Full payment via Telegraphic Transfer to our bank in Pakistan. Paypal and our account in the United Kingdom are also accepted. Quotes in Euro and USD\$ available on request. Some local currencies worldwide are accepted. Partial advance payment is accepted under certain circumstances.
<b>Pricing:</b>	All freight, shipping, documentation, customs clearance, and duties are the customer's responsibility. We offer competitive ex-factory pricing and assistance with door-to-door freight calculations.
<b>Structure and Product Range:</b>	Spire operates as a collaborative network between our <b>UK-based company</b> and our partner, <b>Z Bon Optical, Pakistan</b> , leveraging strengths in both regions. Production is maintained in-house as well as outsourced to trusted partners. With over <b>250 skilled and semi-skilled workers</b> at our Pakistan facility, we ensure instruments are <b>quality-checked before packaging and shipment</b> . Our product range includes professional optical tools, pliers, and instruments designed for both retail and O.E.M clients, providing innovation and reliability across global markets.

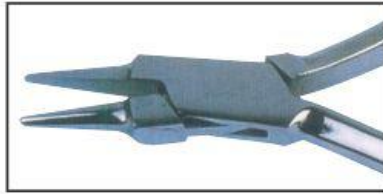
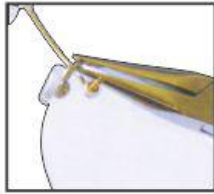
## Welcome to **Spire Instruments**

Thank you for taking the time to explore our catalog.

We don't follow convention—we focus on perfection.

From our instruments to our presentation, every detail reflects our commitment to precision and quality. Our products are designed to enhance your work and the value it brings to life.

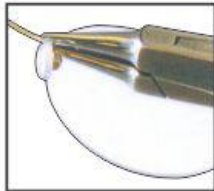
**Precision · Perfection · Persistence**



### PL 1108

#### Chain Nose Pliers

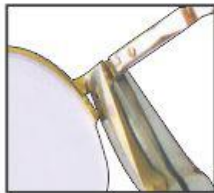
With slim tapered jaws  
Stainless steel - 140mm 100g



### PL 1112

#### Round Nose Pliers

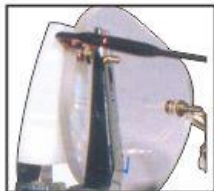
With fine tapered jaws  
Stainless steel - 140mm 105g



### PL 1118

#### Flat Nose Pliers

5mm Wide jaws  
Stainless Steel - 135mm 95g



### PL 2114

#### Inclination Pliers

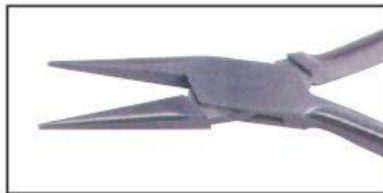
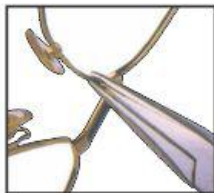
For Rimless Frame  
Stainless Steel - 135mm 120g  
PI 2114/1 Replacement Nylon  
Jaw (1 Piece + Screw)



### PL 1051

#### Full Size Chain Nose

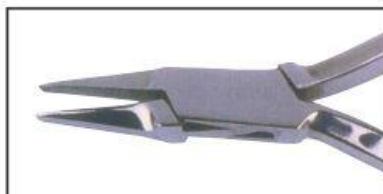
Jaws are flat on the inside and  
rounded on the outside, and taper  
from 9mm to 1.5mm, jaw length 30mm,  
Length 5 1/2"



### PL 1152

#### Half Round Long Nose Snipe Pliers

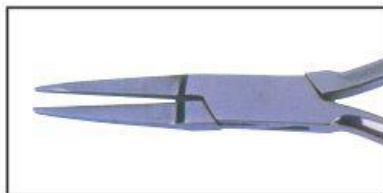
Stainless steel - 145mm 70g



### PL 1171

#### Flat Nose Pliers

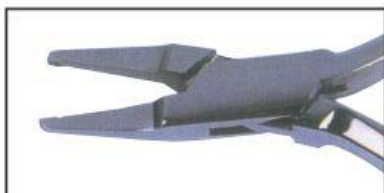
3mm wide jaws  
Stainless steel - 135mm 95g



### PL 1178

#### Flat Nose Pliers

3mm wide jaws  
Stainless steel - 145mm 70g



### PL 4111

#### Screw Holding Pliers

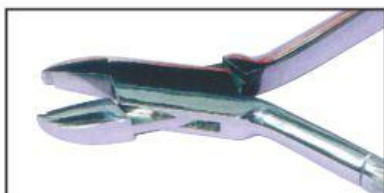
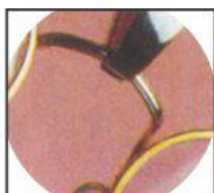
Stainless steel - 140mm 105g



### PL 1188

#### Short Nose Pliers

Stainless steel - 135mm 120g



### PL 1137

#### Numont Pliers

Specially designed for holding numont and nylon suspended frames when Adjusting temple and end piece angle in any direction 115mm



### PL 1203

#### Extracting Flat Pliers

3mm wide with scratched inside of jaws  
Stainless steel - 145mm 75g



### PL 12211

#### Curved Screw Holding Pliers

Stainless Steel - 155mm 105g



### PL 12212

#### Curved Screw Holding Pliers

With Locking System  
Stainless Steel - 155mm 105g



### PL 12907

#### Bent Snipe Pliers

Stainless steel

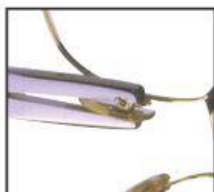


### PL 12908

#### Multi-Functional Pliers

Stainless steel





### PL 6102

#### Long Nose Pad Adjusting Pliers

Stainless steel - 140mm 80g



### PL 6103

#### Pad Adjusting Pliers

For box joint pads  
Stainless steel - 140mm 90g



### PL 4107

#### Clip On Nose Pad Removing Pliers

Stainless steel - 155mm 110g



### PL 6192

#### Pad Adjusting Pliers

Extra narrow jaws  
Stainless steel - 135mm 105g



### PL 6196

#### Pad Adjusting Pliers

With one nylon jaw (especially useful for soft silicone pads)

Stainless steel - 140mm 100g

PL 6196/1 Replacement nylon jaw  
(1 piece + screw)



### PL 6201

#### Circle Modifying Pliers

Comfort foam rubber handles  
Stainless steel. 145mm - 100g

PL 6201/1 Replacement jaw  
(1 piece + screw)

## Adjustment & Gripping Pliers



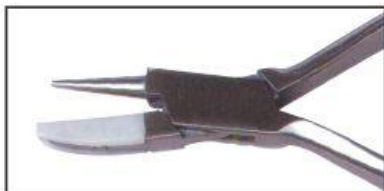
### PL 2117

#### Flat Holding Pliers

With two 11mm wide nylon jaws,  
Parallel when open 3mm

Stainless steel - 135mm 90g

PL 2117/1 Replacement nylon jaws  
(2pieces + screw)

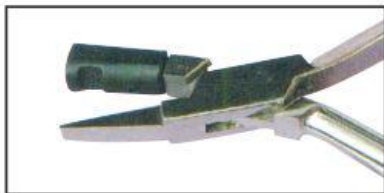
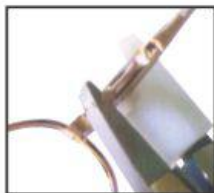


### PL 2130

#### Inclination Pliers

For adjustment of pad arms, temples and end pieces. One 7mm nylon jaw, one round metal jaw stainless steel - 140mm 95g

PL 2130/1 Replacement nylon jaw  
(1 piece + screw)

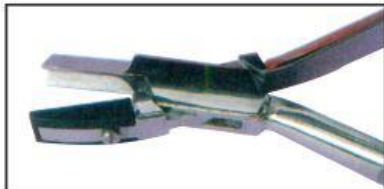


### PL 2131

#### Inclination Pliers

With grooved half round nylon jaw to prevent frame from slipping  
Stainless steel - 145mm 115g

**PL 2131/1** Replacement nylon jaw  
(1 piece + screw)



### PL 2150

#### Inclination Pliers

For adjustment of temples and end pieces.  
One 11 mm nylon jaw, one metal jaw in V  
Stainless steel - 135mm 100g

**PL 2150/1** Replacement nylon jaw  
(1 piece + screw)



### PL 3160

#### Temple Angling Pliers,

Grips the hinge with the 2 holes covering the hinge screw  
Stainless steel - 140mm 105g



### PL 2161

#### Flat Holding Pliers,

With two 7 mm wide nylon jaws  
Stainless steel - 140mm 115g

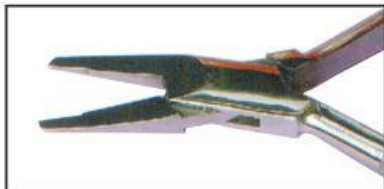
**PL 2161/1** Replacement nylon jaw  
(2 pieces + screw)



### PL 4170

#### Three Points Pliers

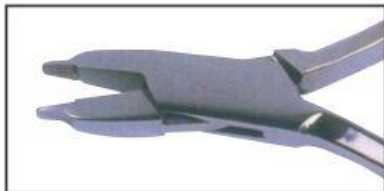
Smooth round jaws for pad arm adjustment  
Stainless steel - 125mm 90g



### PL 3179

#### Hinge Adjustment Pliers

Stainless steel - 145mm 70g



### PL 4182

#### Hinge Loop Setting Pliers

Stainless steel - 135mm 100g



## PL 2190

### Inclination Pliers

With one 7mm nylon jaw and one 2.7mm  
Cylindrical metal jaw  
Stainless steel - 145mm 120g

**PL 2190/1** Replacement nylon jaw  
(1 piece + screw)



## PL 4202

### Inclination Pliers

With one 6mm nylon jaw  
Stainless steel - 135mm 10g

**PL 4202/1** Replacement nylon jaw  
(1 piece + screw)

## Cutting Pliers



## PL 7100

### Side Cutting Pliers

Lap joint. V cut cutting capacity: half hard  
Metals up to 1.5mm  
Stainless steel - 145mm 120g



## PL 7105

### Side Cutting Pliers,

Box jointed. V cut. Cutting capacity: half  
Hard metals up to 1.5mm  
Stainless steel - 140mm 125g



## PL 7114

### Side Screw Cutting Pliers

It enable to cut silver nickel screw  
From 1.2 to 1.5mm.  
Stainless steel - 150mm 100g

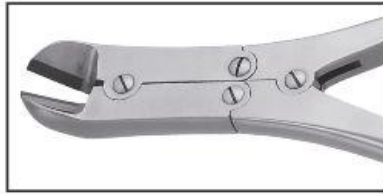


## PL 7140

### Diagonal Cutting Pliers

V cut. Cutting capacity: half hard metal  
Up to 1.2mm  
Stainless steel - 135mm 105g

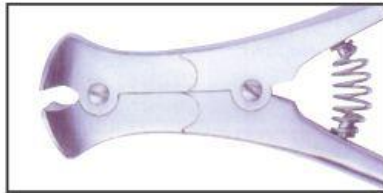




### PL 7142

#### Side Cutting Pliers

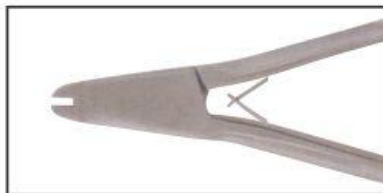
With compound action and return spring  
Stainless steel with tungsten carbide  
jaws - 180mm 180g



### PL 7143

#### Side Cutting Pliers

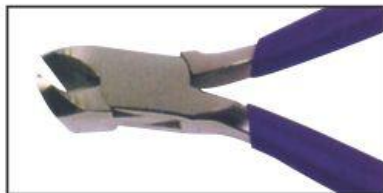
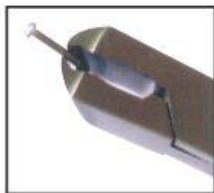
With compound action and return spring  
Stainless steel with tungsten carbide  
jaws - 150mm 117g



### PL 7145

#### Cutting Pliers

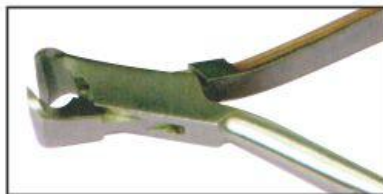
For temples  
Stainless steel



### PL 7151

#### Diagonal Cutting Pliers V Cut.

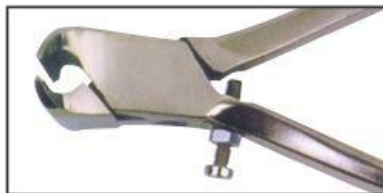
Cutting capacity: half hard metals  
up to 1.2mm  
Stainless steel - 120mm 65g



### PL 7104

#### Front Cutting Pliers

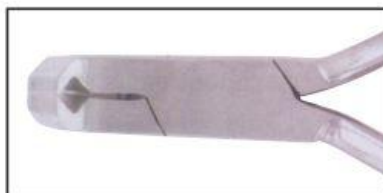
Stainless steel - 130mm 105g



### PL 7187

#### Front Cutting Pliers - with screw lock

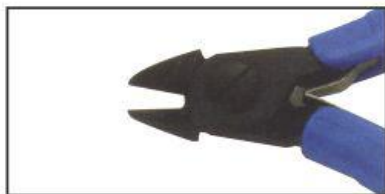
Allows to avoid the transmission of the  
shock effect to the glass during the cutting  
of a screw  
Stainless steel - 130mm 105g



### PL 7216

#### 45° Cutting Pliers,

for screws  
Stainless steel



### PL 21139

#### Diagonal Cutter

With rounded jaws standard beveled cutting. Rockwell hardness 61-62. Hardened and treated handles grips. Will not spin or rotate. 135mm



### PL 21212

#### Clip Cutting Face Pliers

140mm with high cutting capacity chrome random steel. Quenching oil hardness of 63 HRC sharp. Polished laminated PVC grip.

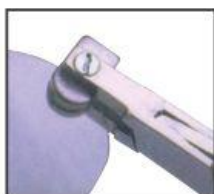


### PL 21210

#### "V" Cutter

140mm with large capacity cutting chrome vanadium steel. "V" Cut for greater durability. Quenching oil. length 4 1/2" hardness of approximately 64 HTC sharp. Polished. laminated PVC handles.

## Glass Chipping Pliers



### PL 8116

#### Glass Chipping Pliers

with interchangeable jaws stainless steel - 135mm 110g

PL 8116/1 Replacement nylon jaws (1 piece + screw)



### PL 8167

#### Glass Chipping Pliers

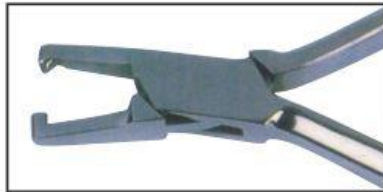
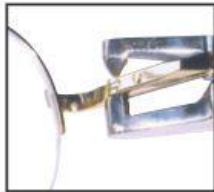
8mm wide jaws stainless steel - 140mm 130g



### PL 8168

#### Glass Chipping Pliers

30mm wide jaws stainless steel - 155mm 175g



### PL 5113

#### Flaring Pliers

For flaring screws and rivets  
Stainless steel - 135mm 95g

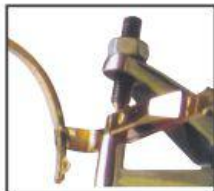


### PL 5172

#### Flaring Pliers

Wide jaws  
Stainless steel - 135mm 105g

PL 5172/1 Replacement point



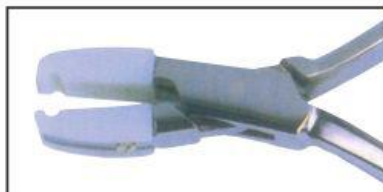
### PL 5186

#### Flaring Pliers

With adjustable pin  
Stainless steel - 140mm 110g

PL 5186/1 Replacement pin

## Forming Pliers



### PL 2132

#### Meniscus Pliers

With nylon jaws for adjusting metal bridges,  
Bending ear pieces and angling temples  
(12mm wide jaws)  
Stainless steel - 140mm 100g

PL 5132/1 Replacement nylon jaw  
(2 pieces + 1 screw)



### PL 3133

#### Nylon Eye Wire Forming Pliers

24mm wide nylon jaws  
Stainless steel - 130mm 110g

PL 3133/1 Replacement nylon jaws  
(2 pieces + 1 screw)



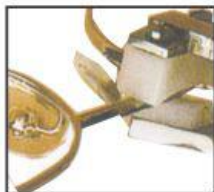
### PL 3176

#### Nylon EyeWire Forming Pliers

18mm wide nylon jaws  
Stainless steel - 130mm 100g

PL 3176/1 Replacement nylon jaws  
(2 pieces + 1 screw)



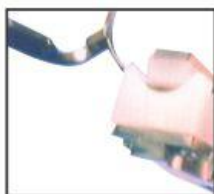


### PL 3146

#### Nylon Eyewire Forming Pliers

18mm wide nylon jaws +  
Nylon eyewire forming pliers  
7mm wide nylon jaw  
Stainless steel - 130mm 100g

**PL 3146/1** Replacement nylon jaws  
( 2 pieces + screws)



### PL 3205

#### Meniscus Pliers

With blocking notch  
Stainless steel - 145mm 100g

**PL 3205/1** Replacement nylon jaws  
(2 pieces + screws)



### PL 9168

#### Adjusting Pliers

(flat rocking nylon)  
Stainless steel

**PL 9168/1** Replacement nylon jaws  
(2 pieces + screws)

## Specials Pliers



### PL 4106

#### Lens Axis Pliers

1 fixed jaw 32mm and 1 mobile jaw 26mm  
stainless steel - 170mm 190g

**PL 4106/5** Replacement rubber pads (1 pair)



### PL 9161

#### Midget Aligner Lens Axis Pliers

Oval jaw pads 19mm x 12mm,  
Conventional handle. 5 1/2"

### PL 9161/1

Replacement rubber pads (1 pair)



### PL 46809

#### Midget Aligner Lens Axis Pliers

Oval jaw pads 19mm x 12mm,  
Conventional handle. 5 1/2"

### PL 46809/1

Replacement rubber pads (1 pair)

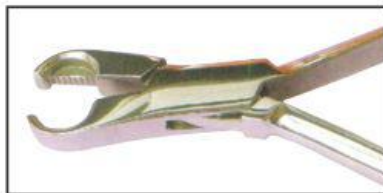


### PL 4120

#### <<Indo>> Sucker Removing Pliers

Stainless steel - 140mm 110g





### PL 4153

<<Briot>> Sucker Removing Pliers

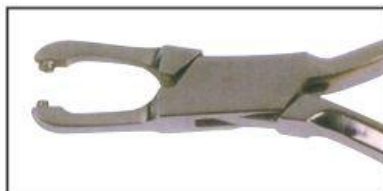
Stainless steel - 140mm 110g



### PL 4173

<<Weco>> Sucker Removing Pliers

Stainless steel - 140mm 110g



### PL 4156

Peening Pliers

For flattening ends of screws which have been cut off or flared

Stainless steel - 140mm 105g



### PL 4180

Strap Adjusting Pliers

For adjusting strap and finger pieces on metal frames

Stainless steel - 130mm 95g



### PL 4185

Nylon Cord Compressing Pliers

Stainless steel - 135mm 100g



### PL 4194

Hollow Drop Pliers

(one flat nylon jaw and one convex metal jaw)

Stainless steel - 140mm 110g

PL 4194/1 Replacement nylon jaw  
(1 piece + screw)



### PL 10200

#### Pliers For Flex Templates

Enable to put flex template on frames  
Stainless steel - 193mm 95g



### PL 4175

#### Closure Pliers

For testing the lens form  
Stainless steel - 140mm 115g



### PL 5207

#### Assembly Pliers

Enables to bring circles of metal frames together and to set and screw on assembly screws. The screw is inserted in the hollow of one of the jaws and screwed thanks to a long bladed screwdriver  
Stainless steel - 155mm 110g



### PL 46854

#### Flaring Pliers

Protective nylon cap is removable for a closer fit length 5 1/2" 141.8g

### PL 46845/1

Replacement Jaws (1 pieces + screws)

## Pliers Grips



### Non Cushioned Pliers

To replace broken grips, add to non Cushioned Pliers or identify specific usage Pliers. available in 5 Coloures (bag of 5 Pairs)

PL 19250  
Dark blue

PL 19255  
Red

PL 19260  
Yellow

PL 19265  
Light blue

PL 19270  
Green

PL 19275  
Assortment



### PL 10208

#### Pliers To Crimp Plastic Riders

Stainless steel - 145mm 105g

PL 10208/1 Replacement Nylon Jaws  
(2 Pieces + Screws)

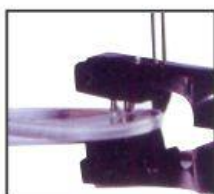


### PL 10215

#### Pliers To Crimp Plastic Riders

Stainless steel - 145mm 105g

PL 10215/1 Replacement nylon jaws  
( 2 pieces + screws)

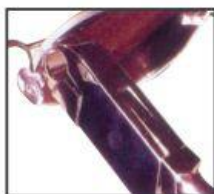


### PL 10209

#### Pliers For Extracting Riders (Silhouette Type)

Stainless steel - 140mm 90g

PL 10209/1 Replacement nylon jaws  
(2 pieces + screws)



### PL 7213

#### Pliers For Extract Riders

Cutting pliers for riders  
Stainless steel - 145mm 115g



### PL 7210

#### Cutting Pliers For Riders

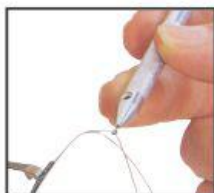
Stainless steel - 145mm 115g



### PL 9027

#### Front Cutting Pliers

For plastic staples  
Stainless steel - 130mm 105g



### HK 71348

#### Rimless Mounting Tool

permits easy insertion of lenses into all nylon banded rimless frames, elimination the need for a roll of ribbon.

HK 71348/1 Pack of 3 replacement hooks.





**15. 155**

**Small Tool Case**

compact black leatherette case holds pliers and small adjusting tools. measures 8 3/4" L x 6" W x 1 1/2" H when closed and will hold up to 5 pliers, screwdriver, PD stick, files, and 4 screw vials. Ideal for small student kits. Ship weight: 226.80 grams.



**15. 151**

**Medium Tool Case**

same as 15.155 but large. Holds 8 to 10 pliers, lens clock PD sticks, screwdrivers, and various adjusting tools. measures 7 1/2" x 11 1/4" x 1 3/4". compact size useful for student kits. Best quality case. Ship weight: 226.80 grams.



**15. 153**

**Large Tool Case**

Black leatherette tool case has a reinforced zipper and strong wide spine. Holds the most commonly used adjusting tools. Measures 13 1/2" L x 7 3/4" W x 1 3/4" H. Ship weight: 454 grams.



**15.156**

**Portable Dispensing Bag**

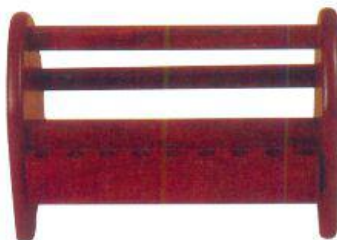
constructed with polyester PVC reinforced fabric and heavy duty stitching. Interior is accessed by a zipper top closure. Outside multiple sized pockets hold a multitude of tool and supplies. Ship weight: 226.80 grams.



**SK-89550**

**Ergo Basic Dispensing**

All new ergonomic pliers combination. packed in a leatherette case. kit includes 7 dispensing pliers. 1 each: nose pad adjuster, long jaw chain /snipe nose, angling/panto adjuster, most popular endpiece angler, wide jaw nylon flat bracer, compression bushing bracer and midjet lens aligner.



**RA 110**

**Rack for Pliers & Varied Tools.**

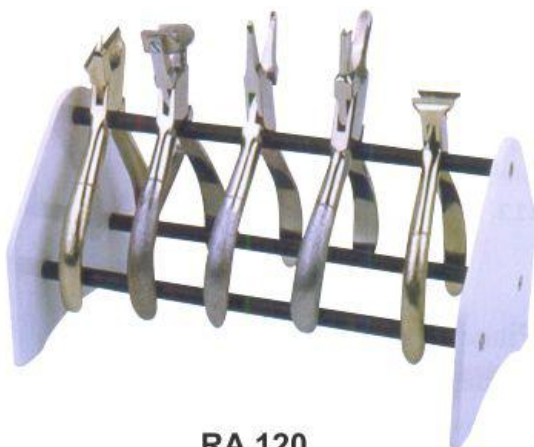
varnished wood width 210mm  
Capacity approx. 7 pliers + tools



**RA 115**

**Pliers Rack Stainless Steel**

Width 20mm  
Capacity Approx. 7 Pliers



**RA 120**

**Pliers Rack**

20cm (rack only)

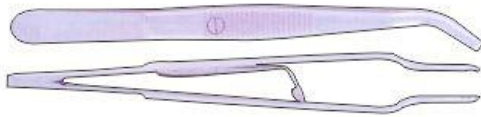


**RA 121**

**Pliers Rack**

8cm (rack only)





**TR 70301**  
**Self Closed Tweezer**



**TR 70103**  
**Screw Holding Tweezer**  
With bent nose



**TR 70104**  
**Tweezer**  
With fine points in stainless steel



**TR 8016**  
**Tweezer**  
With fine points in stainless steel



**TR 70105**  
**Screw Holding Tweezer**  
In stainless steel



**TR 70106**  
**Screw Holding Tweezer**  
In Stainless Steel



**TR 70107**  
**Self Closing Screw Holding Tweezer**  
In stainless steel



**TR 70108**  
**Screw Holding Tweezer**  
With locking ring



**TR 70109**  
**Tweezer**  
With straight serrated points



**TR 70110**  
**Tweezer**  
With bent serrated points in stainless steel



**TR 70111**  
**Self Closing Tweezer**  
Straight nose insulated



**TR 70112**  
**Self Closing Tweezer**  
Bent nose insulated



**TR 70114**  
**Tweezer**  
With bent points in stainless steel  
& also available in titanium, antimagnetic  
avoiding the solder deposite on the point.



**TR 7029**  
**Push On Pad Removal Tweezer**  
in stainless steel



**35306**

**Sliding Caliper**

Vernier 1/50° chrome plated



**35310**

**Electronic Digital Caliper**

1/100° (mm or inches)



**35102**

**Lens thickness Gauge**

With nylon tips



**35102/1** Replacement tips (1 pair)

**35101**

**Jaws Lens Thickness Gauge Wide**

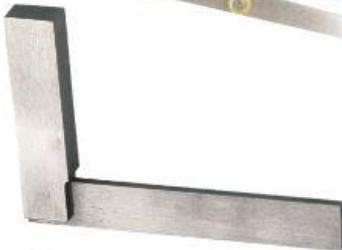
**35101/1** Replacement tips (1 pair)



**35024**

**Degree Gauge**, 150mm

Gives accurate readings for all lens  
Blanks up to 86mm. Graduated in 1/10mm  
With nylon tips. Throat depth 43mm



**EQ 400**

**Precision Secure**



**JA 400**

**Polimeter**



**CO 400**

**Divider**



**RE 104**

**Steel ruler**, 150mm



**RE 105**

**Steel ruler**, 200mm



**BR 103099**

**Scriber**

With 3 replacement pins in handle



**KPL 12**

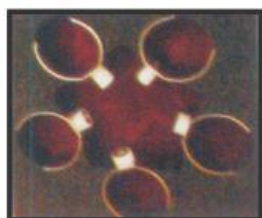


### SW-5030

#### Lockunt Set

1 Handle + 5 Nut Wrenches

Art No.	Style	Size	screw drivers	Blades
SW-5031	Star nut wrench	2.2mm	A0	B0
SW-5032	Star nut wrench	2.5mm	A4	B4
SW-5033	Star nut wrench	2.8mm	A3	B3
SW-5034	5 points star nut wrench	2.8mm	A8	B8
SW-5035	Hexagonal nut wrench	2.2mm	A1	B1
SW-5036	Hexagonal nut wrench	2.5mm	A7	B7
SW-5037	Slided nut wrench	/	A2	B2
SW-5038	Square nut wrench	/	A5	B5



### SW 5060

#### Set of 5 Screwing Rings

To be slipped on a finger in order to block one side of the screw/nut Couple while working on the side.  
including: hexagonal: 2.0 - 2.3 & 2.5mm,  
Flat blade : 1.8mm, cross blade: 1.8mm

### SW-5010

Assortment of screwdrivers and wrenches in storage box

Art No.	Style	Size	Blades (3 pcs)
SW-5011	Flat Blade	1.5mm	A15
SW-5012	Flat Blade	1.8mm	A18
SW-5013	Flat Blade	2.0mm	A20
SW-5014	Flat Blade	2.5mm	A25
SW-5015	Flat Blade	3.0mm	A30
SW-5016	Star nut wrench blade	2.2mm	B03
SW-5017	Star nut wrench blade	2.4mm	B05
SW-5018	Star nut wrench blade	2.5mm	B04
SW-5019	Star nut wrench blade	2.6mm	B06
SW-5020	Cross Blade	1.8mm	C18
SW-5021	Cross Blade	2.0mm	C20
SW-5022	Cross Blade	2.5mm	C25
SW-5023	Nut 6 pans blade	2.2mm	D01
SW-5024	Nut 6 pans blade	2.5mm	D03
SW-5025	Extractor	/	D02
SW-5026	Cup Cutter	/	D04

### NW-899

#### Nut Wrench



Art No.	Style / Size
NW-899	star 2 mm
NW-900	Hexagonal 2.2mm
NW-901	Hexagonal and star 2.5mm



### SW-5050

#### Set of screwdrivers, nut wrenches and screwing rings

Including: 5 handles and 10 blades (2 flat blades 1.5 et 1.7mm, 2 cross blades 1.5 et 1.7mm, 3 nut wrenches star 2.2, 2.5 et 2.8, 2 hexagonal nut wrenches 2.0 et 2.3mm, 1 square nut wrench 2.2mm)

Art No.	Style	Size	Tool	Blades
SW-5051	Flat	1.7mm	A2	B2
SW-5052	Cross	1.5mm	A3	B3
SW-5053	Cross	1.7mm	A4	B4
SW-5054	Star	2.2mm	A5	B5
SW-5055	Star	2.5mm	A6	B6
SW-5056	Star	2.8mm	A7	B7
SW-5057	Hexagonal	2.0mm	A8	B8
SW-5058	Hexagonal	2.3mm	A9	B9
SW-5059	Square	/	A10	B10





### NW-900902

**Universal Nut Tool** and pin vice for screws



### NW-900903

**Universal Nut Tool**



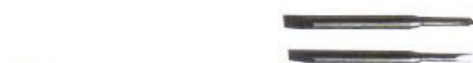
### WKW 4

Bearing handle screw driver  
comes with flat/philip blades.



### WKW 7

Bearing handle screw driver-deluxe  
model come in flat and philip blades.



### WKW 19

Ball bearing screw drivers  
& flat blades 1.5mm & 2.0mm



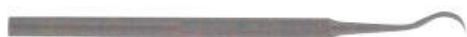
### WKW 30

very comfortable and good quality screwdriver  
with additional pins



### BR 103100

**Scraper With Reversible And Interchangeable Blade**  
BR 103100/1 Replacement blades



### BR 103098

**Scraper**



### BR 103105

**Scraper With Wood Handle**



### BR 104099

**Broach or Tap Holder**

Square head 2 chucks  
Capacity : 0 to 1.2mm - 8 cm long



### BR 104100

**Broach or Tap Holder**

Square head 2 chucks  
Capacity : 0 to 1.6mm - 10 cm long



### BR 104101

**Swivel Head**

Broach or tap holder 2 reversible chucks  
Capacity : 0 to 3.2mm



### BR 104105

**Double End Broach**

Or tap holder with 2 reversible chucks  
Capacity : 0 to 3.2mm

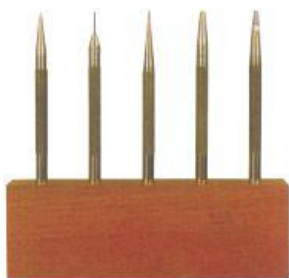


### BR 104107

**Broach or Tap Holder**

With oversized wood handle  
Capacity : 2.3mm





### VH 090091

#### Assortment of Punching Tools on Wood Stand

(2 blunt punch, 1 pointed punch & 2 cup punch)



### BO 099

#### Cup Punch 1.6mm

Milled handle nickel plated



### BO 100

#### Cup Punch 2.0mm

Milled handle nickel plated



### PO 080

#### Pointed Punch

Milled handle nickel plated



### CH 039

#### Blunt Punch 0.9mm

CH 039/1 Replacement pointes

Milled handle nickel plated



### CH 038

#### Blunt Punch Conical 1.0mm

Milled handle nickel plated



### BR 100100

#### Automatic Punch

Adjustable power - interchangeable points

punch is furnished with cup point and pointed point

BR 100100/1 Replacement cut point

BR 100100/2 Replacement pointed point



### VH 090101

#### Swiss Style Hammer

Nickel plated 80mm wide head

Milled handle nickel plated, weight 100g



### VH 090102

#### Riveting Hammer

Chrome Plated 75mm Wide Head.



### KN-11109

#### Heavy Duty Bench Knife

blade is firmly set in hardwood handle.

available in two lengths.

blade length 1 3/4" overall lengths. 5 3/4"

blade length 2 5/8" overall lengths. 6 5/8"



### KN-11121

#### Gritman Plaster Knife

overall lengths. 7", with 2 1/2" blade

and blunt pry on opposite end.



### KN-39104

#### Bench Knife

handy, all-purpose knife with sharp, well-

tempered blade firmly mounted in hardwood

handle. overall lengths. 5" blade length 1 3/4"



### SC 80110

#### Scissors

150mm in stainless steel



### CP 85240

#### Clamping Pliers

In stainless steel, 140mm 33g



### SC 80140

#### Scissors Multi Usage



### SP 140

#### Metal Scalpel

SP 140/1 Replacement blade 1 pcs



### PO 151

#### Third Hand With (Flat, Cross and Nut Wrench)

Other model available

PO 151/1 Replacement blades



The wheel is used to push the screw with a damaged screw head with precision. Can be used to extract all kind of Screws : Temple, screw, barrel Screw, hinge

### PO 106

#### Screw Extractor

To shoot out broken screws by hand and without efforts. Screw extractor sold with 2 different size tips and 1 rivet tip

PO 106/1 Replacement blades

PO 106/2 Large replacement blades

PO 106/3 Flat replacement blade

PO 106/4 Replacement blade with large hole

PO 106/5 Replacement blade with small hole



### EQ 122

**Set of Hand Cutting Broaches,**  
5 flutes, knurled handle  
(diameter 1.14 to 2.01mm)  
In plastic pouch



### EQ 126

**Set of Hand Cutting Broaches Square Handle**  
(diameter 1.14 to 2.01mm)  
in metal case



### EQ 100

**Hand Cutting Broaches Knurled Handle**  
Ø1.14mm    Ø1.40mm    Ø1.6mm  
Ø1.75mm    Ø1.9mm    Ø2.00mm



### EQ 110

**Hand Cutting Broaches Square Handle**  
Ø1.14mm    Ø1.40mm    Ø1.6mm  
Ø1.75mm    Ø1.9mm    Ø2.00mm



### BO 390

**Saw Frame,**  
depth 60mm



### BO 395

**Saw Frame,**  
depth 150mm

**LI 110****Flat Hand File**

150x15x3.5mm

**LI 113****Half Round Hand File**

150x16x4.5mm

**LI 118****Round Hand File**

150x6mm

**LI 130****Flat Handle File**

Double cut - 135 x 12 x 3mm  
(cut 0 one side, cut 2 other side)

**LI 165****Half Round Zyl File**

For plastic - and rubber (special cut)  
115 x 14 x 4.5mm

**LI 250****Screw Head File**

Cut = 0.5mm - 75 x 9.5 x 0.5mm

**LI 252****Screw Finishing File**

(cut 2) - 60 x 5 x 1.2mm

**LI 253****Needle Joint Files**

Edges only cut. Enable to make notches  
Length 160  
Cut 2 - flat edges - th. 1.45mm

**LI 254****Needle Joint Files**

Edges only cut. Enable to make notches  
Length 160  
Cut 2 - round edges - th. 1.3mm

**LI 190****Pliers Diamond Needle File**

Length 120, fineness 125/100

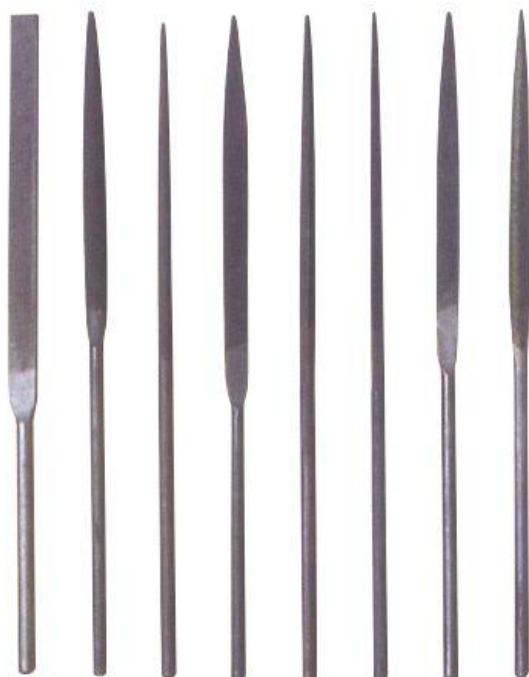
**LI 192****Round Diamond Needle File**

Length 120, fineness 125/100

**CA 100****File Cleaner****LI 320****Protect Frame When Filling****LI 300****Wood Handle**

12mm (3 Pieces)





### SL-022

Needle File, Length 140 mm

Cut		Form
0	2	
LI 170	LI 150	Flat
LI 172	LI 151	Round
LI 171	LI 152	Half Round
LI 173	LI 153	Pointed
LI 174	LI 154	3 Squares
LI 175	LI 155	Square
LI 176	LI 156	Barette
LI 177	LI 157	Grossing



### LI 148

Needle File, Set of 12

Cut 0 and 2

LI 150 to LI 157

LI 170 to LI 177



### LI 149

Needle File, Set of 06

Cut 2

LI 150 to LI 155



LI 140 1.1mm

LI 142 1.6mm

Cylindrical File,  
(length : 100mm)



**AP 500**  
Rubber Covered  
Bench Block



**AP 510**  
Combinaison Anvil  
& bench pin with screw  
clamp

AP 510/1 Replacement pin



**BI 100**  
Horn Anvil  
on Iron Base



**EN 200**  
Optician anvil  
with interchangeable  
pointed punch



**EN 220**  
Horn Anvil



**ET 110**  
Bench Vice  
in steel with 40mm  
wide jaws



**ET 108**  
Multi Angle Aluminium vice  
75mm  
Fits 10 to 52mm thick benches  
pivoting at 360°



**ET 107**  
Vice  
with nylon jaws

ET 107/08 Replacement set  
of jaws