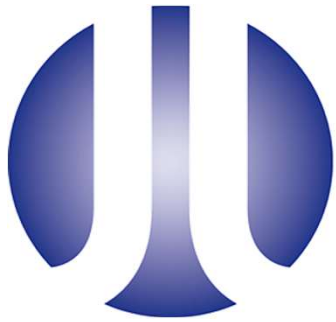


Universal

Parts • Tools



JL Smith

A N D C O M P A N Y



Contents

	Page
A	
Abrasive cloth Micromesh.....	6
Abrasive flat cord.....	6
ABS-Rod black.....	12
Apron.....	13
B	
Brass-Wire Wheel.....	4
Brush-Top-Can.....	9
Buffing-Compound.....	4
Buffing-Wheel.....	4
C	
Case-Repair-Parts.....	14
Curing-Accelerator for Super-Glue.....	9
D	
Delrin-Rod black.....	12
G	
Gloves.....	12
Glue (Super-Glue "Cyanoacrylate").....	9
Glue (Epoxy).....	9
H	
Handles (case-repair).....	14
Hard-Rubber Rod.....	12
Hinges (case-repair).....	14
I	
Industrial-Wipes.....	5
L	
Lacquer "Nikolas" (Aerosol can).....	12
Locks (case-repair).....	14
M	
Mother of Pearl Discs (Macassar).....	11
P	
Pearl-Powder.....	12
Penetrating Oil.....	12
Polishing-Paste.....	4
Poly-Tubing.....	10
R	
Ragging-Cloth impregnated for silver and gold.....	5
Rivet (Banana-Peel).....	14
S	
Sanding-Belts for Sanding-Stick.....	6
Sanding-Belts Micromesh.....	6
Sanding-Stick "Santaper".....	6
Shrink-Tubing.....	10
Silver-Solder.....	7
Simichrome® Silver-Polishing-Paste.....	4
Soft-Solder.....	7
Soldering-Tape.....	7
Spray-Lacquer.....	12
Swabs (cotton on wood stick).....	5
T	
Tarnish Ragging-Cloth for gold and silver.....	5
Teflon® (PTFE) tubing.....	10
Thread-Locker liquid.....	9
Tubing.....	10
W	
Wenol® Polishing-Paste.....	4
Wipe Strips.....	5
Work-Mat.....	13



Contents

	<u>Page</u>
Tools	
Alcohol-Burner.....	8
Brushes.....	18
Burnisher.....	18
Cutter.....	18
Flux/Acid Brush.....	7
Gas-Burner.....	8
Hammer.....	17
Hot-Air.....	8
Plier.....	19
Razor-Blades.....	18
Sanding-Sticks.....	6
Saw.....	19
Saw-Blades.....	19
Scraper.....	18
Screw-Driver.....	15-16
Tweezer.....	18
Vise.....	18



Polishing • Buffing

Buffing Compound

		CHF Net Price
S-110039	Burns Red-Rouge •0,680kg.....	1 piece 15.--
	The ultimate finish for brass, copper, silver and gold•Free of grit or other coarse matter•A special wetting agent makes the compound emulsify in hot water for easy removal of residue•Provides a mirror finish	
S-110040	Tripoli •0,900kg.....	1 piece 8.--
	Our high grease Tripoli is the bar to go to when removing scratches, tool marks and pits•Fast working on all non-ferrous metals•With our Tripoli the tech can easily buff of lacquer for touch-up purpose•A must have compound	
S-110036	Dark Green Rouge •0,450kg.....	1 piece 10.--
	Hand-rolled "Old-Style" - an excellent choice for touching up keys after a service job•Use a chamois buff at low speed for that purpose•Produces the same final finish with less mess than Red-Rouge•Easy clean up	
S-110037	Yellow Rouge •0,450kg.....	1 piece 6.--
	For cut and color on non-ferrous metals and plastics•Less cut and higher color than XXX White Diamond•Excellent on nickel plate	
S-110048	Fabulastre •0,450kg.....	1 piece 11.50
	The ultimate in buffing compounds•For all metals and plastics•Clean and greaseless and no residue•High finish at low cost•Excellent for nickel-keys when used with chamois wheel at low speed	



Polishing-Paste

		CHF Net Price
S-113024	Wenol 100ml Tube	1 piece 10.--
	Wenol Universal Metal Polish is great for gold, silver and brass•It also works wonders on nickel-keys that you just don't have time to buff•Quickly removes oxidation, water spots and tarnish	
S-113022	Simichrome 50gr Tube	1 piece 14.--
	Simichrome Polish is an industrial grade metal polish•Simichrome is preferred for removing scratches from silver and silver plate	



Buffing-Wheel

		CHF Net Price
S-110003	Ø 25cm white • small hole.....	1 piece 5.--
	made of high quality cotton•18-ply•only sewn around middle-hole	



Brass-Wire Wheel

		CHF Net Price
S-113068	Brass-Wire Wheel Ø 76mm•▶◀=12,7mm.....	1 piece 24.--
S-113069	Brass-Wire Wheel Ø 102mm•▶◀=25,4mm.....	1 piece 40.--
	for 6,35mm arbor or for tapered spindle•provides a fantastic Satin-Vintage-Finish Heavy-duty wheel allowing continuous usage at higher speeds and pressure	



Polishing • Cleaning

Tarnish-Ragging Cloth impregnated

CHF
Net Price

S-113007 Width 50,8mm • Spool ±91 Meter..... 1 piece 95.--

The ultimate for ragging silver and silver-plated surface•provides shiny finish
easy to use at even smallest places•does not remove scratches



Industrial-Wipe Strips

CHF
Net Price

S-113004 Strips ±2,6cm x ±38,5cm..... 60 pieces 12.--

universal for many repair-shop uses•same as supplied with Pad-Juice



Standard-Swab

CHF
Net Price

S-113002 JLS Standard-Swab 15cm..... 100 pieces 11.50

wood-stick•cotton-ball 2-sided•universal for many purposes

S-113003 JLS Pointed Swab 7,8cm..... 10 pieces 4.--

plastic-stick•2-sided cotton-ball pointed•for many purposes



Sanding

Sanding-Belt

		CHF Net Price
S-127010	Micromesh Grit 1500.....	1 piece 51.--
S-127011	Micromesh Grit 1800.....	1 piece 51.--
S-127012	Micromesh Grit 2400.....	1 piece 51.--
S-127013	Micromesh Grit 3200.....	1 piece 51.--
S-127014	Micromesh Grit 3600.....	1 piece 51.--
S-127015	Micromesh Grit 4000.....	1 piece 51.--
S-127016	Micromesh Grit 6000.....	1 piece 51.--
S-127017	Micromesh Grit 8000.....	1 piece 51.--
S-127018	Micromesh Grit 12000.....	1 piece 51.--



S-127059 **Micromesh** assortment with 6 rolls..... 1 piece 250.--

in plastic case • Grit 1500 • 1800 • 2400 • 3200 • 4000 • 6000

Rolls ±2,5cm x Length ±762cm • flexible fabric-tape

it is recommended to use it with water (wet sanding)

Sanding-Sticks "Santaper"

		CHF Net Price
S-127019	Grit 120 • red.....	1 piece 5.20
S-127021	Grit 240 • blue.....	1 piece 5.20
S-127023	Grit 320 • green.....	1 piece 5.20
S-127025	Grit 400 • yellow.....	1 piece 5.20
S-127027	Grit 600 • black.....	1 piece 5.20



Sand with ease and control in small places using the Santaper Sticks • The sticks use a spring-loaded tensioner for easy belt replacement and perfect tension on sanding belts • Color coded to help you distinguish between grits

Sanding-Belts for Sanding-Stick "Santaper"

		CHF Net Price
S-127020	Grit 120.....	10 pieces 14.25
S-127022	Grit 240.....	10 pieces 14.25
S-127024	Grit 320.....	10 pieces 14.25
S-127026	Grit 400.....	10 pieces 14.25
S-127028	Grit 600.....	10 pieces 14.25



Abrasive cloth

		CHF Net Price
S-127001	Micromesh Grit 1500 • 30x30cm.....	1 piece 20.50
S-127002	Micromesh Grit 1800 • 30x30cm.....	1 piece 20.50
S-127003	Micromesh Grit 2400 • 30x30cm.....	1 piece 20.50
S-127004	Micromesh Grit 3200 • 30x30cm.....	1 piece 20.50
S-127005	Micromesh Grit 3600 • 30x30cm.....	1 piece 20.50
S-127006	Micromesh Grit 4000 • 30x30cm.....	1 piece 20.50
S-127007	Micromesh Grit 6000 • 30x30cm.....	1 piece 20.50
S-127008	Micromesh Grit 8000 • 30x30cm.....	1 piece 20.50
S-127009	Micromesh Grit 12000 • 30x30cm.....	1 piece 20.50



very long working life • highly flexible • use only with slight pressure

used wet stays longer then 7-15 as normal sanding-paper

sanding procedure with grit 1500, 1800, 2400, 3200, 3600

frosting finish with grit 4000

polishing finish with grit 6000, 8000, 12000 ► no longer eroding

Abrasive Cord

		CHF Net Price
S-127056	JLS Abrasive Flat Cord • Grit 180.....	1 piece 10.--

Aluminium Oxide • on roll • cord length ±365cm • flat cord width ±2,38mm



Soldering

Silver-Solder Low-Temperature

CHF
Net Price

S-131017 Wire 0,51mm x 17m..... 1 piece 75.--
Melting-Point 671° • Flow-Temperature 718°
Silver ±64,0-66,0%•Copper ±19,0-21,0%•Zinc ±13,0-17,0%



Silver Brazing Flux

CHF
Net Price

S-131003 Silver Ultra-Flux 450gr..... 1 piece 15.--
Great for silver soldering keys and other parts where a strong joint is needed
Ultra-Flux is a water-based paste consisting of a unique combination of potassium salts of fluorine and boric acid•**keep out of reach of children**

Soft-Solder

CHF
Net Price

ST-413049 **JLS with lead** Ø 1,0mm•lead 60%-zinc 40%..... 1 piece 31.--
spool with 1kg•melting-range ±183° ▶ ±238°
ST-631606 **JLS lead-free** Ø 1.0mm•zinc 97%-silver 3%..... 1 piece 22.--
spool with 250gr•melting-range ±217° ▶ ±224°



Soldering-Tape

CHF
Net Price

S-131004 Soldering-Tape..... 1 piece 25.--
Soldering-Tape is an essential tool for all types of solder repairs•This heat-resistant self-binding tape securely holds metal parts in place without harming finishes or metal surfaces and without transferring heat to other parts of fixtures
The tape will withstand temperatures in the soft solder range (no brazing) but will burn under direct flame
S-131005 Soldering-Tape•adhesive-back•13mm..... 1 piece 28.--
heat resistant•will burn under direct flame•easy to fix parts together
withstand temperatures in the soft solder range•more flexible than clamping



Flux/Acid Brush

CHF
Net Price

S-113034 JLS Flux/Acid Brush..... 1 piece 0.70
stiff black horsehair ±9,5mm x ±19mm•Tin-Handle•total length ±146mm



Heat-Tools

Portable Burner "Table-Top model"

CHF
Net Price

S-201075	Porta-Lab●angled head.....	1 piece	59.--
<p>A great bench top burner that can be used for all float-in pad work. The angled head tilts the flame to an angle that is very convenient for woodwind work. The easily adjustable flame can narrow or expand to cover sax work to piccolo metal gastank●refillable●piezo ignition</p>			
S-201076	Kisag Refill 600ml.....	1 piece	7.--



Alcohol Lamp

CHF
Net Price

S-201033	Glas.....	1 piece	18.--
<p>Flame can be adjusted by raising or lowering split sleeve holds 88ml of denatured alcohol</p>			
S-201037	Replacement Wick.....	1 piece	2.--



Hot-Air Heat-Station 230V

CHF
Net Price

S-201084	Heat-Station.....	1 piece	115.--
<p>Perfect for sax padding and many other shop uses. Saves precious lacquer and key bumpers. Out Heat-Station allows the technician to control for different situations. Heat is adjustable from ± 100°C to ± 500°C. The Airflow is adjustable of up to 120 liters per minute. It's also great for heating parts when using penetrating oil, removing case rivets and so many other uses.</p>			



Adhesives

Cyanoacrylate (Super-Glue)

CHF
Net Price

S-105100	JLS Insta-Cure thin 29ml.....	1 piece 7.--
<p>Cure-Time 1-3 seconds•water-thin viscosity•wicks deep into joints by capillary action•surfaces to be bonded must be tight fitting and should be held together while you apply the glue around the edges of the seam•works nicely when closing gaps with wood-dust•Caution-when applying the glue a vapor can show up which can irritate nose and eyes•works great with grenadilla since the thin glue penetrates perfectly</p>		
S-105101	JLS Insta-Cure+ medium 29ml.....	1 piece 7.--
<p>Cure-Time 5-15 seconds•medium viscosity•normally this glue is applied to one surface and then the parts are held tightly together•to prevent premature curing, don't spread the glue into a thin film</p>		
S-105102	JLS Maxi-Cure thick 29ml.....	1 piece 7.50
<p>Cure-Time 10-25 seconds•thick viscosity•works best with most plastics and fiberglass, hardwood, metal and rubber•great to fill up large voids can be perfectly worked after curing with knife, razor-blade or sandpaper</p>		



Curing accelerator

CHF
Net Price

S-105102	JLS Insta-Set Accelerator 59ml.....	1 piece 7.--
<p>Spray-Bottle•works best with thick glue like Maxi-Cure the use gives a nice putty for modifying or filling voids</p>		



Cyanoacrylate Debonder

CHF
Net Price

S-105109	JLS Un-Cure Cyanoacrylate Debonder 29ml.....	5.--
----------	--	------

Shelf-Life of superglue is limited. Non confirmed sources recommend to store new unopened bottles in the domestic freezer at ± -20° for a much extended freshness. Once opened bottles shall be stored in the refrigerator to prevent coagulation. In both cases before opening the bottle, the glue must reach room temperature to prevent condensation. Super-Glue is hazardous and should not come in contact with skin or eyes. While glue on the fingers for example will come off by itself after about 4 days, the contact with eyes or eyelids is highly dangerous. Contact immediately your doctor and don't try any actions by yourself. Wear always safety glasses when working with Super-Glue and gloves to prevent fingers glued together. ► **Keep this glue always out of reach of children** ◀



Thread-Locker

CHF
Net Price

S-105085	IC-LOC Blue 29ml.....	1 piece 8.--
<p>medium thickness•medium strength•full strength reached in 1-3 hours</p>		

Brush Top Can

CHF
Net Price

S-105007	JLS Brush-Top-Can 118ml (4oz).....	1 piece 5.--
<p>Metal-Can with brush in the top•many uses as for example contact cement</p>		

Epoxy glue (2-component)

CHF
Net Price

S-105103	JLS Quick-Cure 5-Minute.....	1 set 16.--
<p>open time ±5 minutes•resilient after ±15 minutes•full strength after ±60 minutes the cured glue remains slightly flexible•resin and hardener ±64gr each</p>		
S-105104	JLS Slow-Cure 30-Minute.....	1 set 16.--
<p>open time ±30 minutes•resilient after ±8 hours•full strength after ±24 hours highest strength glue•waterproof•resin and hardener ±64gr each can be mixed with filler like wood-dust=reduces open-time by ±25%</p>		



► **keep all glue and related products out of reach of children** ◀

Tubing

PTFE Tube (Polytetrafluorethylen)

CHF
Net Price

S-450001	Ø innen 1,68mm • Länge 91cm • weiss.....	1 piece 6.--
S-450002	Ø innen 1,93mm • Länge 91cm • weiss.....	1 piece 8.--
S-450033	Ø innen 2,16mm • Länge 91cm • weiss	1 piece 8.--
S-450034	Ø innen 2,41mm • Länge 91cm • weiss	1 piece 8.--
S-450035	Ø innen 2,69mm • Länge 91cm • weiss	1 piece 8.--
S-450003	Ø innen 3,18mm • Länge 91cm • weiss	1 piece 11.--
S-450036	Ø innen 3,38mm • Länge 91cm • weiss.....	1 piece 12.--
S-450037	Ø innen 3,76mm • Länge 91cm • weiss	1 piece 12.--
S-450004	Ø innen 4,22mm • Länge 91cm • weiss.....	1 piece 12.--



PTFE is also known as Teflon®•Surface is extremely slippery
Resistant against oil, solvent and humidity•A very long lasting and reliable solution
for pins and connecting pins

Poly Tubing (Polyurethan)

CHF
Net Price

S-450006	Ø innen 1,59mm • Länge 91cm • schwarz.....	1 piece 4.--
S-450007	Ø innen 1,98mm • Länge 91cm • schwarz.....	1 piece 4.--
S-450008	Ø innen 2,38mm • Länge 91cm • schwarz.....	1 piece 5.--
S-450009	Ø innen 3,18mm • Länge 91cm • schwarz.....	1 piece 5.--
S-450010	Ø innen 3,97mm • Länge 91cm • schwarz.....	1 piece 6.--
S-450011	Ø innen 1,59mm • Länge 91cm • transparent.....	1 piece 4.--
S-450012	Ø innen 1,98mm • Länge 91cm • transparent.....	1 piece 4.--
S-450013	Ø innen 2,38mm • Länge 91cm • transparent.....	1 piece 5.--
S-450014	Ø innen 3,18mm • Länge 91cm • transparent.....	1 piece 5.--
S-450015	Ø innen 3,97mm • Länge 91cm • transparent.....	1 piece 5.50



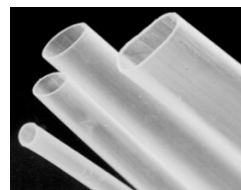
This tubing is exceptional for octave key pins, connecting pins etc. •It has an excellent grip on the inside and superior slip on the outside•Attractive, quiet and economical•For a tight fit, put a small drop of silicone adhesive in the end of the tubing•Slides onto key part effortlessly•Trim tubing to length after installation

S-800012 Sortiment in Schachtel..... 1 piece 61.--
1 piece each of all diameters and colors

Shrink Tubing (Polyolefin)

CHF
Net Price

S-450022	Ø innen 1,59mm • Länge 91cm • transparent.....	1 piece 5.--
S-450023	Ø innen 3,18mm • Länge 91cm • transparent.....	1 piece 5.--
S-450024	Ø innen 4,76mm • Länge 91cm • transparent.....	1 piece 7.--
S-450025	Ø innen 6,35mm • Länge 91cm • transparent.....	1 piece 9.--



Shrink-Ratio 2:1•This transparent heat shrink tubing, when applied to key parts, increases the viscosity - which in turn eliminates friction and key binding
It is extremely versatile and has many uses in the instrument repair-shop

Mother of pearl

Makassar Disks

CHF
Net Price

P90-0020	Ø 2,0mm ● thickness ± 1,6mm.....	1 piece 1.--
P90-0025	Ø 2,5mm ● thickness ± 1,6mm.....	1 piece 1.--
P90-0030	Ø 3,0mm ● thickness ± 1,6mm.....	1 piece 1.--
P90-0035	Ø 3,5mm ● thickness ± 1,6mm.....	1 piece 1.--
P90-0040	Ø 4,0mm ● thickness ± 1,6mm.....	1 piece 1.--
P90-0045	Ø 4,5mm ● thickness ± 1,6mm.....	1 piece 1.--
P90-0050	Ø 5,0mm ● thickness ± 1,6mm.....	1 piece 1.--
P90-0055	Ø 5,5mm ● thickness ± 1,6mm.....	1 piece 1.--
P90-0060	Ø 6,0mm ● thickness ± 1,6mm.....	1 piece 1.--
P90-0065	Ø 6,5mm ● thickness ± 1,6mm.....	1 piece 1.--
P90-0070	Ø 7,0mm ● thickness ± 1,6mm.....	1 piece 1.--
P90-0075	Ø 7,5mm ● thickness ± 1,6mm.....	1 piece 1.--
P90-0080	Ø 8,0mm ● thickness ± 1,6mm.....	1 piece 1.--
P90-0085	Ø 8,5mm ● thickness ± 1,6mm.....	1 piece 1.--
P90-0090	Ø 9,0mm ● thickness ± 1,6mm.....	1 piece 1.--
P90-0095	Ø 9,5mm ● thickness ± 1,6mm.....	1 piece 1.--
P90-0100	Ø 10,0mm ● thickness ± 1,6mm.....	1 piece 2.50
P90-0105	Ø 10,5mm ● thickness ± 1,6mm.....	1 piece 2.50
P90-0110	Ø 11,0mm ● thickness ± 1,6mm.....	1 piece 2.50
P90-0115	Ø 11,5mm ● thickness ± 1,6mm.....	1 piece 2.50
P90-0120	Ø 12,0mm ● thickness ± 1,6mm.....	1 piece 2.50
P90-0125	Ø 12,5mm ● thickness ± 1,6mm.....	1 piece 2.50
P90-0130	Ø 13,0mm ● thickness ± 1,6mm.....	1 piece 2.50
P90-0135	Ø 13,5mm ● thickness ± 1,6mm.....	1 piece 2.50
P90-0140	Ø 14,0mm ● thickness ± 1,6mm.....	1 piece 3.--
P90-0145	Ø 14,5mm ● thickness ± 1,6mm.....	1 piece 3.--
P90-0150	Ø 15,0mm ● thickness ± 1,6mm.....	1 piece 3.--
P90-0155	Ø 15,5mm ● thickness ± 1,6mm.....	1 piece 3.--
P90-0160	Ø 16,0mm ● thickness ± 1,6mm.....	1 piece 4.--
P90-0165	Ø 16,5mm ● thickness ± 1,6mm.....	1 piece 4.--
P90-0170	Ø 17,0mm ● thickness ± 1,6mm.....	1 piece 4.--
P90-0175	Ø 17,5mm ● thickness ± 1,6mm.....	1 piece 4.--
P90-0180	Ø 18,0mm ● thickness ± 1,6mm.....	1 piece 5.--
P90-0185	Ø 18,5mm ● thickness ± 1,6mm.....	1 piece 5.--
P90-0190	Ø 19,0mm ● thickness ± 1,6mm.....	1 piece 5.--
P90-0195	Ø 19,5mm ● thickness ± 1,6mm.....	1 piece 5.--
P90-0200	Ø 20,0mm ● thickness ± 1,6mm.....	1 piece 6.--
P90-0210	Ø 21,0mm ● thickness ± 3,0mm.....	1 piece 6.--
P90-0310	Ø 31,0mm ● thickness ± 3,0mm.....	1 piece 8.--
P90-0315	Ø 31,5mm ● thickness ± 3,0mm.....	1 piece 8.--
P90-0320	Ø 32,0mm ● thickness ± 3,0mm.....	1 piece 8.--
P90-0330	Ø 33,0mm ● thickness ± 3,0mm.....	1 piece 8.--
P90-0340	Ø 34,0mm ● thickness ± 3,0mm.....	1 piece 8.--

disk even sanded●machine polished●no high-gloss
as this is a natural product the thicknesses can vary slightly



Miscellaneous

Pearl-Powder

		CHF Net Price
S-110053	JLS Dose mit 14gr.....	1 piece 8.--

This product can be mixed with any clear finish or color for that shimmering pearl look and can be mixed with epoxy to make your own finger button pearls etc
open time of epoxy is reduced by ± 25% if mixed with the powder



Gloves Cotton

		CHF Net Price
S-113030	String Knit Gloves large.....	1 pair 3.--
S-113008	Thin fabric white.....	12 pairs 14.--

Good feel when buffing and easier to replace than skin on your hand
Protects fine metals from fingerprints, spotting and tarnishing•Universal one size



Penetrating-Oil

		CHF Net Price
S-700107	Valentino 15ml.....	1 piece 4.--

Glas-Bottle•Dropping-Glass for exact application of the oil



Spray Lacquer

		CHF Net Price
S-110051	Nikolas Clear-Lacquer.....	1 piece 24.--
S-110052	Nikolas Gold-Lacquer.....	1 piece 26.--

Industry-Standard•Can with 340gr•quick air drying nitrocellulose lacquer especially for nonferrous metals like brass, silver, bronze, copper
► observe warning and sequence of processing advises on can
► due transportation regulations air-shipment is not possible



Delrin-Rod black

		CHF Net Price
S-455014	Ø±6,35mm•length ±305mm.....	1 piece 3.--
S-455038	Ø±9,53mm•length ±305mm.....	1 piece 4.--
S-455012	Ø±12,7mm•length ±305mm.....	1 piece 6.10
S-455058	Ø±15,88mm•length ±305mm.....	1 piece 6.70
S-455034	Ø±19,05mm•length ±305mm.....	1 piece 9.20
S-455100	Ø±25,4mm•length ±305mm.....	1 piece 14.30
S-455114	Ø±31,75mm•length ±305mm.....	1 piece 20.--
S-455112	Ø±38,1mm•length ±305mm.....	1 piece 29.--
S-455200	Ø±50,8mm•length ±305mm.....	1 piece 49.40



ABS-Rod black

		CHF Net Price
S-454014	Ø±6,35mm•length ±305mm.....	1 piece 10.10
S-454038	Ø±9,53mm•length ±305mm.....	1 piece 12.20
S-454012	Ø±12,7mm•length ±305mm.....	1 piece 14.10
S-454058	Ø±15,88mm•length ±305mm.....	1 piece 18.30
S-454034	Ø±19,05mm•length ±305mm.....	1 piece 16.30
S-454100	Ø±25,4mm•length ±305mm.....	1 piece 22.80
S-454112	Ø±38,1mm•length ±305mm.....	1 piece 44.--



Hard-Rubber Rod black

		CHF Net Price
S-457001	Ø±14mm•length ±305mm.....	1 piece 32.--
S-457002	Ø±20mm•length ±305mm.....	1 piece 36.--
S-457003	Ø±24mm•length ±305mm.....	1 piece 48.--
S-457004	Ø±34mm•length ±305mm.....	1 piece 79.--



Miscellaneous

Bench Workmat

		CHF Net Price
S-123021	JLS Silicone WorkMat.....	1 piece 46.--
<p>Size ± 508mm x ± 584mm●heat resistant●isn't damaged by splashed solder dried adhesives as hot-melt, epoxy etc. can easily removed</p>		
S-123022	JLS Q2 Felt WorkMat.....	1 piece 39.--
<p>Size ± 350mm x ± 600mm●made from 100% recycled materiels very dense but still soft material to prevent scratches●won't get hard with age</p>		



Apron

		CHF Net Price
S-123020	JLS Cowhide brown●soft texture.....	1 piece 110.--
<p>2x large pocket at waist level●1x small chest-pocket●adjustable neck-strap tie-strap long enough to go around your back●for men and women the ultimate protection in your work-shop</p>		
S-123011	JLS Denim blue.....	1 piece 15.--
<p>Universal-Size●washable●good choice to use for dirty works like at the buffing wheel</p>		



Case-Repair

Locks nickel-plated

		CHF Net Price
S-162001	Drawbolt 34,9x60,3mm.....	1 piece 7.--
S-162002	Drawbolt 33,3x54mm.....	1 piece 7.--
S-162007	Drawbolt 44,5x82,6mm.....	1 piece 6.--
S-162008	Drawbolt 38,1x69,9mm.....	1 piece 8.--
S-162003	Drawbolt Bundy 15,9x50,8mm.....	1 piece 5.--
S-162004	Latch for Wood-Case ±32x±34mm.....	1 piece 6.--
S-162005	Latch for molded Case ±30,2x±45,7mm.....	1 piece 8.--



Flutecase Lock nickel-plated

		CHF Net Price
S-162029	Left •19,1x47,6mm•Standard-Quality.....	1 piece 8.--
S-162028	Right •19,1x47,6mm•Standard-Quality.....	1 piece 8.--



Hinges nickel-plated

		CHF Net Price
S-162014	Stop-Hinge D-Shape 28,6x50,8mm.....	1 piece 3.--
S-162015	Stop-Hinge D-Shape 38,1x63,5mm.....	1 piece 4.--
S-162016	Stop-Hinge 28,6x47,6mm.....	1 piece 3.--
S-162017	Stop-Hinge 38,1x69,9mm.....	1 piece 4.--



D-Shape

Case-Angles

		CHF Net Price
S-162022	Width 15,9mm•Corner to end 34,9mm.....	1 piece 2.--
S-162023	Width 12,7mm•Corner to end 34,9mm.....	1 piece 2.--



Case-Handle

		CHF Net Price
S-162021	Plastic black 10,8cm.....	1 piece 7.--
S-162019	Leather•black•▶◀170mm.....	1 piece 44.--
<i>both side steel-hook•both side buckles with leather-straps</i>		
S-162018	Leather•black•▶◀±130mm.....	1 piece 35.--
<i>both side buckles with leather-straps to fasten on existing rings</i>		
S-162032	Leather black•handle length ±15,5cm.....	1 piece 37.--
<i>metal parts brass trim•handle with internal steel reinforcement</i>		
S-162031	Leather black•handle length ±15,5cm.....	1 piece 25.--
<i>metal parts nickel trim•handle with internal steel reinforcement</i>		



S-162021



S-162019



S-162018



S-162032•S-162031

"Banana-Peel" Rivet

		CHF Net Price
S-162027	JLS "Banana-Peel-Rivet" Ø 3,2mm x ±12,7mm.....	25 pieces 5.--
S-162026	JLS "Banana-Peel-Rivet" Ø 3,2mm x ±14,3mm.....	25 pieces 5.--
S-162025	JLS "Banana-Peel-Rivet" Ø 3,2mm x ±15,9mm.....	25 pieces 5.--

Great for riveting in tight or inaccessible places where a backer washer can't be used•no need to loosen the lining inside the case•big time-saver



Screw-Driver

JLS "Gold-Grip" Blades only Shaft Ø 3,175mm

		CHF Net Price
S-254038	Tip Width ▶ 1,5mm ◀ • Length 63,5mm.....	1 piece 20.--
S-254039	Tip Width ▶ 1,5mm ◀ • Length 101,6mm.....	1 piece 20.--
S-254041	Tip Width ▶ 1,8mm ◀ • Length 63,5mm.....	1 piece 20.--
S-254042	Tip Width ▶ 1,8mm ◀ • Length 101,6mm.....	1 piece 20.--
S-254043	Tip Width ▶ 1,8mm ◀ • Length 177,8mm.....	1 piece 20.--
S-254044	Tip Width ▶ 2,2mm ◀ • Length 101,6mm.....	1 piece 20.--
S-254045	Tip Width ▶ 2,2mm ◀ • Length 177,8mm.....	1 piece 20.--
S-254046	Tip Width ▶ 2,5mm ◀ • Length 101,6mm.....	1 piece 20.--
S-254047	Tip Width ▶ 2,5mm ◀ • Length 177,8mm.....	1 piece 20.--
S-254048	Tip Width ▶ 3,2mm ◀ • Length 101,6mm.....	1 piece 20.--
S-254049	Tip Width ▶ 3,2mm ◀ • Length 177,8mm.....	1 piece 20.--

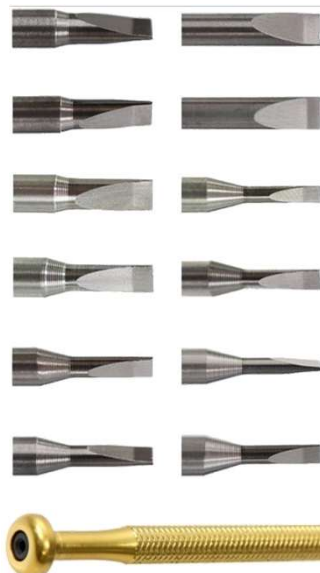
▶ blade-shaft Ø3,175mm

All of our tool-steel blades are carefully machined to strict tolerances and hardened and our flathead blades are compound cut for more exact contact with screw heads

S-254034	Handle Small Ø 9,5mm • length ±9,3cm.....	1 piece 28.50
S-254035	Handle Large Ø 12,7mm • length ±11,2cm.....	1 piece 34.--

▶ for blade-shaft Ø3,175mm

Gold anodized aluminium • Cross-milled for a positive grip • Ball-End swiveling



JLS "Gold-Grip" Blades only Shaft Ø 3,962mm

		CHF Net Price
S-254051	Tip Width ▶ 3,96mm ◀ • Length 101,6mm.....	1 piece 20.--
S-254052	Tip Width ▶ 3,96mm ◀ • Length 177,8mm.....	1 piece 20.--
S-254053	Tip Width ▶ 3,96mm ◀ • Length 228,6mm.....	1 piece 20.--

▶ blade-shaft Ø3,962mm

All of our tool-steel blades are carefully machined to strict tolerances and hardened and our flathead blades are compound cut for more exact contact with screw heads

S-254036	Handle Large Ø 12,7mm • length ±11,2cm.....	1 piece 34.--
----------	---	---------------

▶ for blade-shaft Ø3,962mm

Gold anodized aluminium • Cross-milled for a positive grip • Ball-End swiveling



Spare-Parts "Gold-Grip Handle"

		CHF Net Price
S-901039	JLS Hex-Key 0,050".....	1 piece 0.50
S-901680	JLS Screw for fixing blade.....	1 piece 0.40

Hex-Key to fix the blade in the grip

Screw Holding Screwdriver

		CHF Net Price
S-254033	Tip Width ▶ 2mm ◀ • total length 123mm.....	1 piece 20.--

Under every workbench there is a magical spot where small screws fall and never seen again • Our top-quality screw holding screwdriver might just save your sanity



Screw-Driver

JLS "Versa-Grip" handle only

CHF
Net Price

S-254134	Handle Small Ø 9,5mm • length ±9,3cm.....	1 piece	38.50
S-254135	Handle Large Ø 12,7mm • length ±11,2cm.....	1 piece	38.50

Magnetic square shaped female housing which secures a square composite tipped male tool • economical method and easy and fast changing of blades
Gold anodized aluminium • Cross-milled for a positive grip • Ball-End rotatable

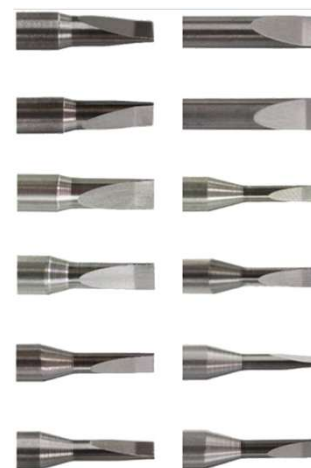


JLS "Versa-Grip" blades only

CHF
Net Price

S-254138	Tip Width ▶ 1,5mm ◀ • Length 63,5mm.....	1 piece	23.--
S-254139	Tip Width ▶ 1,5mm ◀ • Length 101,6mm.....	1 piece	25.--
S-254140	Tip Width ▶ 1,5mm ◀ • Length 177,8mm.....	1 piece	27.--
S-254141	Tip Width ▶ 1,8mm ◀ • Length 63,5mm.....	1 piece	23.--
S-254142	Tip Width ▶ 1,8mm ◀ • Length 101,6mm.....	1 piece	25.--
S-254143	Tip Width ▶ 1,8mm ◀ • Length 177,8mm.....	1 piece	27.--
S-254144	Tip Width ▶ 2,2mm ◀ • Length 101,6mm.....	1 piece	25.--
S-254145	Tip Width ▶ 2,2mm ◀ • Length 177,8mm.....	1 piece	27.--
S-254146	Tip Width ▶ 2,5mm ◀ • Length 101,6mm.....	1 piece	25.--
S-254147	Tip Width ▶ 2,5mm ◀ • Length 177,8mm.....	1 piece	27.--
S-254148	Tip Width ▶ 3,2mm ◀ • Length 101,6mm.....	1 piece	25.--
S-254149	Tip Width ▶ 3,2mm ◀ • Length 177,8mm.....	1 piece	27.--
S-254151	Tip Width ▶ 3,96mm ◀ • Length 101,6mm.....	1 piece	25.--
S-254152	Tip Width ▶ 3,96mm ◀ • Length 177,8mm.....	1 piece	27.--

All of our tool-steel blades are carefully machined to strict tolerances and hardened and our flathead blades are compound cut for more exact contact with screw heads
Versa Grips have a magnetic square shaped female housing which secures a square composite tipped male tool



Hammer

JLS Hammer

CHF
Net Price

S-230001	JLS "A" with plastic-handle.....	1 piece	78.--
S-230001B	JLS "A" with brass-handle.....	1 piece	110.--
<p>Features two same sized but differing radius faces•The smaller radius provides power to small dents in crooks•The large face allows for removing larger dents and easy blending•Head Ø 19mm both sides The brass handle provides more power and less "feedback" from the tool</p>			
S-230002	JLS "B" with plastic-handle.....	1 piece	78.--
<p>Side 1 head Ø 19mm flat curved•Side 2 head Ø 11,5mm flat curved Our most popular dent hammer•Features two different size faces•The smaller face allows maximum vision when working small dents•The larger face allows for removing larger dents and blending The brass handle provides more power and less "feedback" from the tool</p>			
S-230003	JLS "C" with plastic-handle.....	1 piece	78.--
S-230003B	JLS "C" with brass-handle.....	1 piece	110.--
<p>Our most popular woodwind hammer•The narrow face allows concentration in tight quarters•The Flip-Side is perfectly balanced and capable of light encouragement when aligning cups, hinges and posts•Head Ø 15,8mm The brass handle provides more power and less "feedback" from the tool</p>			
S-230005B	JLS "E" with brass-handle.....	1 piece	110.--
<p>Head Ø 15,8mm•both faces beveled•A very cool and versatile woodwind hammer Easily access all areas of key cups, hinges etc The brass handle provides more power and less "feedback" from the tool</p>			
S-230006	JLS "F" with plastic-handle.....	1 piece	77.--
S-230006B	JLS "F" with brass-handle.....	1 piece	110.--
<p>Head Ø 15,8mm•both faces flat•"All-Purpose"•Many technicians buy them in order to shape the heady themselves according to there needs</p>			



There are many advantages of JLS Hammers over the traditional dent hammer that most shops use including:

- ▶ Virtually eliminates hammer marks
- ▶ Hammer faces fabricated from a material that is more dense than Teflon®
- ▶ Eliminates the need of adding Teflon® or other materials to the face of your steel hammers
- ▶ No scratches when rubbing out dents for example next to the bell rim

Hammer with wood-handle

CHF
Net Price

S-230010	# 0 Rawhide Mallet ±57gr	1 piece	43.--
<p>Head Ø ±25,6mm x Length ±50mm Our smallest mallet is excellent for general part alignment on brass instruments as well as key work on woodwinds</p>			
S-230011	# 2 Rawhide Mallet ±170gr	1 piece	46.50
<p>Head Ø ±38mm x Length ±75mm Useful in applications such as straightening bell rims etc</p>			
S-230012	# 4 Rawhide Mallet ±312gr	1 piece	64.--
<p>Head Ø ±50mm x Length ±83mm Heavy mallet for many uses as delivering a solid dead blow when rebounding</p>			
S-230009	Plastic-Head Mallet ±176gr	1 piece	22.--
<p>Head Ø ±40mm x Length 90mm Light-weight plastic head can be shaped and polished for applications in dent work Good size and balance for glancing blows</p>			
S-230007	Riveting-Hammer ±114gr	1 piece	55.--
<p>Use for peening springs at the post end•Lengthen keys by swaging</p>			



Tools

Razor Blades

		CHF Net Price
S-127029	Single-Edge Blades..... made of surgical Carbon Steel	100 Pieces 14.--
S-127030	Single-Edge Blades..... made of surgical Carbon Steel coated•There is no drag when making your cut We call them our "designer" razor blades	100 Pieces 23.80
S-127058	"Feather-Cut" Single-Edge..... Narrow blade coated•Stainless-Steel•easy to handle	12 pieces 10.--



Dual Blade Cutter

		CHF Net Price
S-201065	Blade adjustable 3,2mm▶15,9mm..... Great for cutting narrow cork strips for key work	1 piece 17.--
S-201066	Replacement-Blade.....	1 piece 10.--



Scraper with handle

		CHF Net Price
S-201042	Machinist's Scraper 635mm•wooden handle..... With hollow straight blade•General purpose scraper for cleaning brasswind parts prior to soldering, cleaning pad cups of old shellac, removing neck corks etc This type of scraper is usually not sharpened to a fine edge	1 piece 17.--
S-227022H	JLS "Flutemakers's Scraper" HSS-Steel..... Because of its geometry the scraper allows cleaning solder next to ribs and into blind holes such as boxes and ferrules•With a little hand honing the scraper becomes a perfect flute headjoint cutting scraper	1 piece 82.--



Brush

		CHF Net Price
S-113045	JLS Platers Brush..... used for general cleaning•hardwood-handle length ±330mm•handle-width ±31mm•brush ±133mm	1 piece 6.--



Hand-Vise

		CHF Net Price
S-201026	JLS Vise 0▶1,19mm..... Aluminium-Grip•perfect for holding key pins, springs or pad pins	1 piece 14.--
S-201025	JLS Vise 2,44▶3,25mm..... Aluminium-Grip with swivel-knob	1 piece 11.--
S-201028	JLS Vise 0▶1,68mm + 1,91▶3,18mm..... Wood-Grip•with 2 jaw-chucks	1 piece 14.--



Burnisher

		CHF Net Price
S-212001	JLS Burnisher 2,5" (63,5mm) curved.....	22.--
S-212002	JLS Burnisher 1,75" (44,4mm) slim•curved.....	21.--
S-212003	JLS Burnisher 2,5" (63,5mm) straight..... with wood-handle	16.--



Tweezer

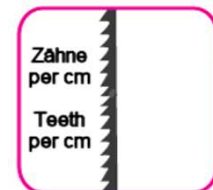
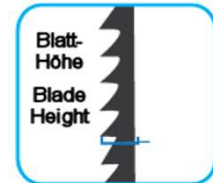
		CHF Net Price
S-201011	Precision Tweezer..... Stainless Steel•length 14,5cm•rounded tips	23.--



Tools

Jewelers Saw

		CHF Net Price
S-233054	70mm Frame●adjustable.....	1 piece 26.--
This is a wonderful tool●The handle is large, soft and balanced in the hand The frame is easily adjustable and the blades mount effortlessly		
S-127031	# 8-0 Replacement Blade.....	12 pieces 6.--
Thickness 0,15mm●33 Teeth per cm●Blade-Height 0,33mm		
S-127032	# 6-0 Replacement Blade.....	12 pieces 5.--
Thickness 0,18mm●30 Teeth per cm●Blade-Height 0,36mm		
S-127033	# 5-0 Replacement Blade.....	12 pieces 5.--
Thickness 0,20mm●26 Teeth per cm●Blade-Height 0,41mm		
S-127034	# 4-0 Replacement Blade.....	12 pieces 4.--
Thickness 0,23mm●25 Teeth per cm●Blade-Height 0,43mm		
S-127035	# 2-0 Replacement Blade.....	12 pieces 4.--
Thickness 0,25mm●21 Teeth per cm●Blade-Height 0,53mm		
S-127036	# 1-0 Replacement Blade.....	12 pieces 4.--
Thickness 0,28mm●20 Teeth per cm●Blade-Height 0,58mm		
S-127037	# 1 Replacement Blade.....	12 pieces 4.--
Thickness 0,30mm●19 Teeth per cm●Blade-Height 0,64mm		
S-127038	# 2 Replacement Blade.....	12 pieces 4.--
Thickness 0,33mm●17 Teeth per cm●Blade-Height 0,69mm		
S-127039	# 3 Replacement Blade.....	12 pieces 4.--
Thickness 0,36mm●16 Teeth per cm●Blade-Height 0,74mm		
S-127040	# 4 Replacement Blade.....	12 pieces 4.--
Thickness 0,38mm●15 Teeth per cm●Blade-Height 0,79mm		
S-127041	# 5 Replacement Blade.....	12 pieces 4.--
Thickness 0,41mm●14 Teeth per cm●Blade-Height 0,84mm		
S-127042	# 6 Replacement Blade.....	12 pieces 5.--
Thickness 0,43mm●13 Teeth per cm●Blade-Height 0,94mm		
S-127043	# 8 Replacement Blade.....	12 pieces 6.--
Thickness 0,51mm●11 Teeth per cm●Blade-Height 1,14mm		
S-127044	# 10 Replacement Blade.....	12 pieces 7.--
Thickness 0,61mm●10 Teeth per cm●Blade-Height 1,35mm		



Plier

		CHF Net Price
S-252045	JLS Small Round Nose.....	1 piece 12.--
Stainless-Steel●length ±130mm●tip length ±25mm●rounded tips black rubber foam grips		
S-252046	JLS Small Flat Nose.....	1 piece 12.--
Stainless-Steel●length ±130mm●tip length ±25mm●flat tips black rubber foam grips		
S-252047	JLS Small Chain Nose.....	1 piece 12.--
Stainless-Steel●length ±130mm●tip length ±25mm●pointed tips black rubber foam grips		
S-252040	JLS Brass Jaw Parallel.....	1 piece 25.--
chrome plated spring loaded grips●length ±145mm●brass inserts 8mm wide the brass prevents scratching and avoid marring		
S-252041	JLS Nylon Jaw Parallel.....	1 piece 25.--
S-252042	Jaw-Tip Nylon 8mm wide.....	1 piece 2.50
chrome plated spring loaded grips●length ±145mm●nylon jaws 8mm wide the nylon prevents scratching and avoid marring while offering maximum surface contact for gripping		

